

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049773.D
 Acq On : 12 Jul 2018 12:58
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:11 PM

Quant Time: Jul 13 02:24:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1322943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1932994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1803629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	987786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	2220538	127.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	254.20%	
35) Dibromofluoromethane	7.59	113	2147587	148.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.22%	
50) Toluene-d8	10.09	98	7296215	128.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.98%	
62) 4-Bromofluorobenzene	12.40	95	2808936	145.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1698124	113.90	ug/l	97
3) Chloromethane	2.06	50	2241235	120.36	ug/l	99
4) Vinyl Chloride	2.18	62	2514900	125.75	ug/l	100
5) Bromomethane	2.55	94	1544542	147.03	ug/l	99
6) Chloroethane	2.69	64	1601011	126.48	ug/l	100
7) Trichlorofluoromethane	3.01	101	3455157	151.25	ug/l	98
8) Diethyl Ether	3.41	74	1297480	140.12	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2206412	134.24	ug/l	99
10) Methyl Iodide	3.95	142	3323877	161.59	ug/l	100
11) Tert butyl alcohol	4.80	59	782790	780.81	ug/l	98
12) 1,1-Dichloroethene	3.73	96	2031240	130.72	ug/l	99
13) Acrolein	3.61	56	697844	745.20	ug/l	98
14) Allyl chloride	4.32	41	3509848	164.44	ug/l	99
15) Acrylonitrile	5.00	53	3921121	757.28	ug/l	99
16) Acetone	3.82	43	2836966	655.63	ug/l	100
17) Carbon Disulfide	4.05	76	5524786	117.30	ug/l	100
18) Methyl Acetate	4.33	43	1934633	73.49	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	6084512	151.90	ug/l	100
20) Methylene Chloride	4.55	84	2352149	130.75	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	2210364	138.22	ug/l	99
22) Diisopropyl ether	5.96	45	7387290	152.98	ug/l	96
23) Vinyl Acetate	5.90	43	25604790	817.67	ug/l	100
24) 1,1-Dichloroethane	5.85	63	4280673	140.71	ug/l	99
25) 2-Butanone	6.84	43	4563402	786.81	ug/l	99
26) 2,2-Dichloropropane	6.83	77	3653909	144.62	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	2626361	147.02	ug/l	100
28) Bromochloromethane	7.20	49	1960563	151.85	ug/l	98
29) Tetrahydrofuran	7.22	42	2916885	789.06	ug/l	99
30) Chloroform	7.37	83	4359892	140.59	ug/l	99
31) Cyclohexane	7.65	56	3634723	121.33	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	3764848	143.40	ug/l	98
36) 1,1-Dichloropropene	7.79	75	3283164	150.97	ug/l	100
37) Ethyl Acetate	6.93	43	1983325	156.36	ug/l	99
38) Carbon Tetrachloride	7.78	117	3330474	157.43	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3660866	153.53	ug/l	100
40) Benzene	8.04	78	9742921	146.72	ug/l	100
41) Methacrylonitrile	7.18	41	1136954	159.01	ug/l	97
42) 1,2-Dichloroethane	8.13	62	3097679	146.17	ug/l	99
43) Isopropyl Acetate	8.17	43	3665793	122.31	ug/l	96
44) Trichloroethene	8.84	130	2586522	129.16	ug/l	99
45) 1,2-Dichloropropane	9.12	63	2605516	151.87	ug/l	100
46) Dibromomethane	9.21	93	1538494	148.23	ug/l	99
47) Bromodichloromethane	9.40	83	3433633	155.40	ug/l	99
48) Methyl methacrylate	9.20	41	1913466	169.76	ug/l	98
49) 1,4-Dioxane	9.20	88	482449	3183.69	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	9954235	800.41	ug/l	99
52) Toluene	10.16	92	6106989	152.23	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	3688645	174.35	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	4123844	166.78	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	2243225	150.17	ug/l	99
56) Ethyl methacrylate	10.43	69	3046072	173.97	ug/l	98
57) 1,3-Dichloropropane	10.71	76	3761957	155.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	7160421	878.48	ug/l	100
59) 2-Hexanone	10.75	43	6794164	826.17	ug/l	99
60) Dibromochloromethane	10.90	129	2667003	165.19	ug/l	100
61) 1,2-Dibromoethane	11.01	107	2220972	155.18	ug/l	98
64) Tetrachloroethene	10.63	164	2274781	93.15	ug/l	99
65) Chlorobenzene	11.44	112	6844734	145.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	2601769	153.89	ug/l	100
67) Ethyl Benzene	11.51	91	11917184	153.22	ug/l	99
68) m/p-Xylenes	11.62	106	9101017	305.33	ug/l	94
69) o-Xylene	11.95	106	4439414	155.57	ug/l	97
70) Styrene	11.97	104	7451532	161.38	ug/l	99
71) Bromoform	12.13	173	1872294	166.67	ug/l #	100
73) Isopropylbenzene	12.25	105	11833317	150.39	ug/l	100
74) N-amyl acetate	12.07	43	3312996	154.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	2755521	148.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	2377117m	150.05	ug/l	
77) Bromobenzene	12.53	156	3031727	141.70	ug/l	99
78) n-propylbenzene	12.59	91	13573131	150.52	ug/l	99
79) 2-Chlorotoluene	12.68	91	8034364	140.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	9675585	147.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	889767	190.76	ug/l	96
82) 4-Chlorotoluene	12.78	91	8305028	144.73	ug/l	100
83) tert-Butylbenzene	12.99	119	8467464	150.76	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	9901152	147.37	ug/l	100
85) sec-Butylbenzene	13.17	105	11392270	153.09	ug/l	100
86) p-Isopropyltoluene	13.29	119	10070241	156.23	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	5465236	138.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	5357416	135.87	ug/l	99
89) n-Butylbenzene	13.62	91	8748471	158.54	ug/l	99
90) Hexachloroethane	13.88	117	1866212	275.64	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5168035	134.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	437284	134.88	ug/l	96

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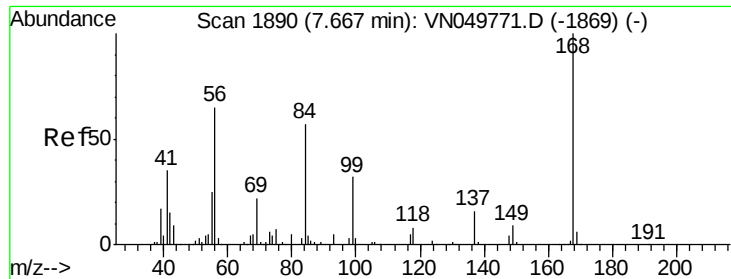
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3227400	182.55	ug/l	100
94) Hexachlorobutadiene	15.01	225	1672810	136.43	ug/l	100
95) Naphthalene	15.14	128	7099098	187.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	3043585	167.32	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 1322943

Ion Ratio Lower Upper

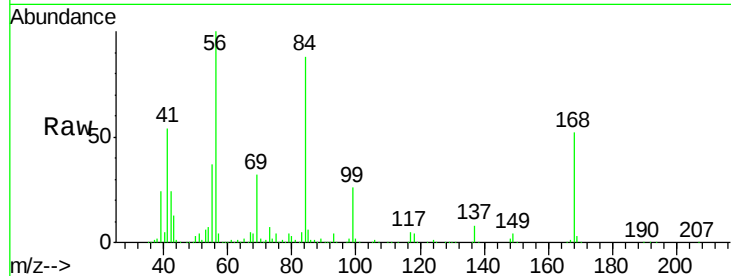
168 100

99 50.6 40.6 61.0

Manual Integrations
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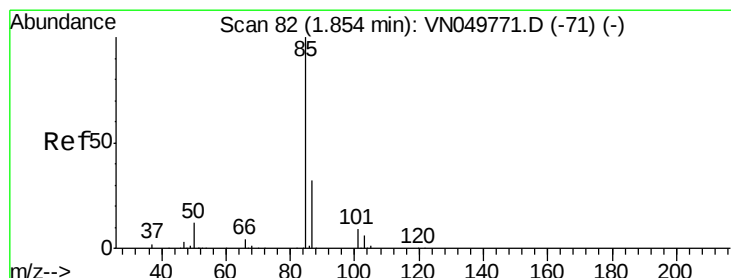
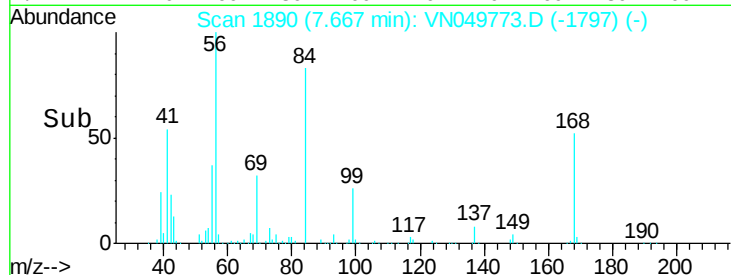
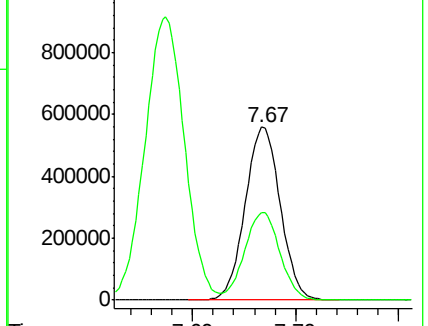
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 113.90 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049773.D

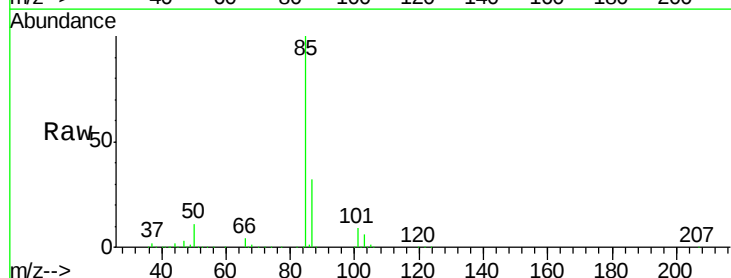
Acq: 12 Jul 2018 12:58

Tgt Ion: 85 Resp: 1698124

Ion Ratio Lower Upper

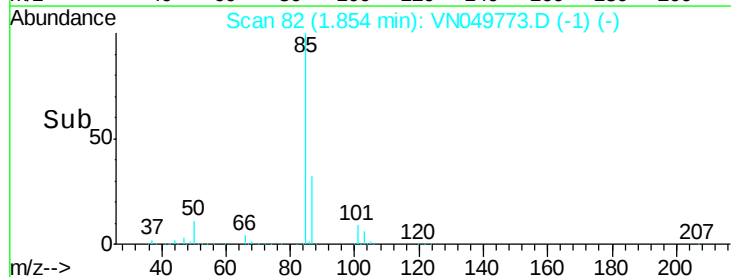
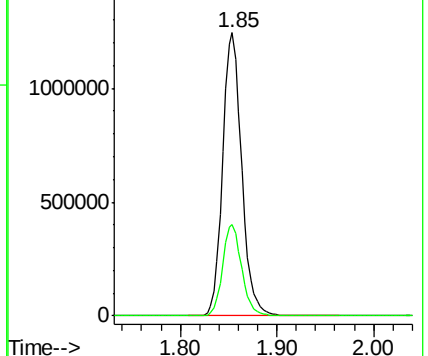
85 100

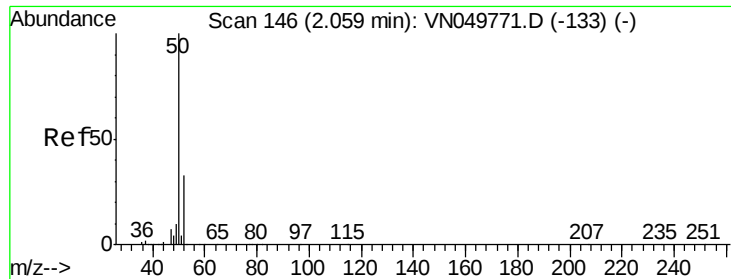
87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 120.36 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 2241235

Ion Ratio Lower Upper

50 100

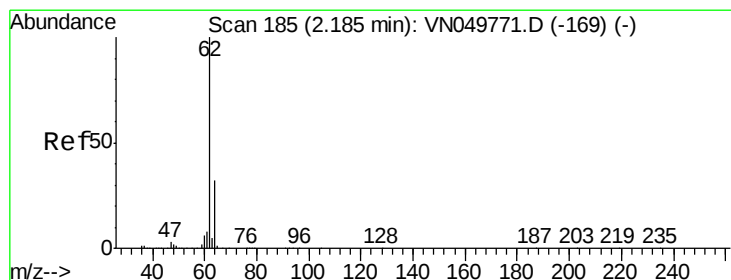
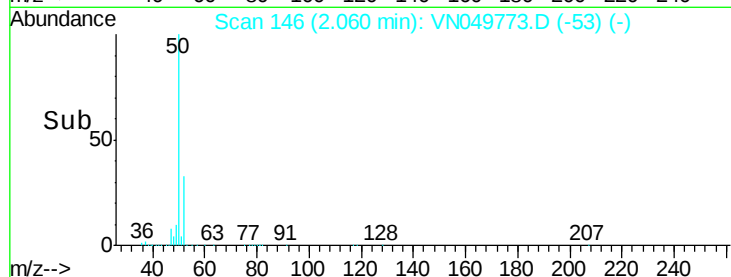
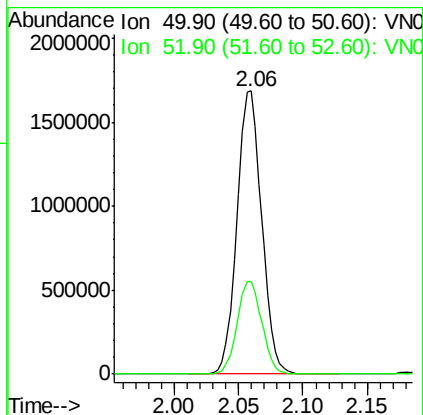
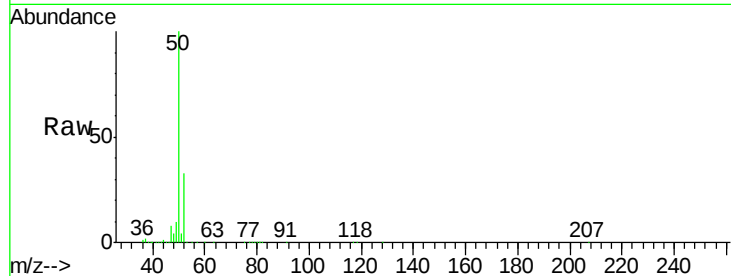
52 32.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 125.75 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049773.D

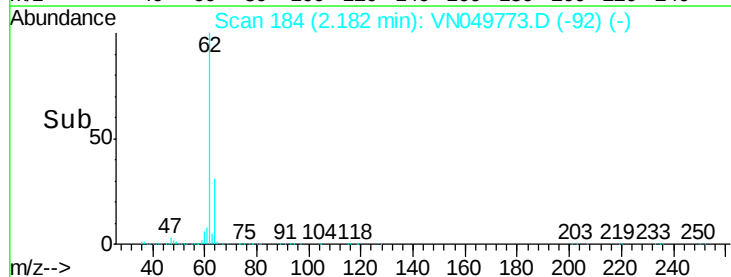
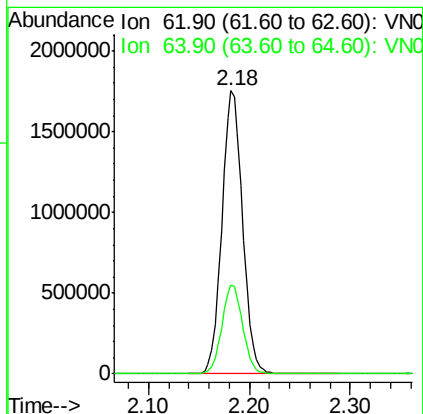
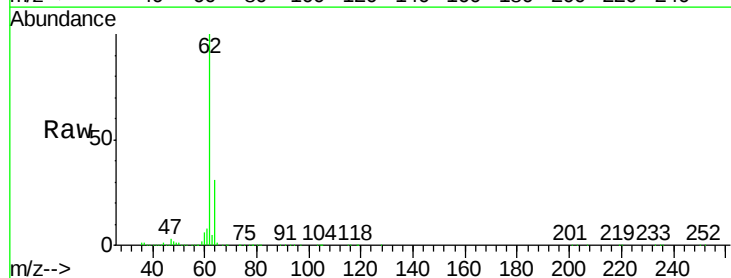
Acq: 12 Jul 2018 12:58

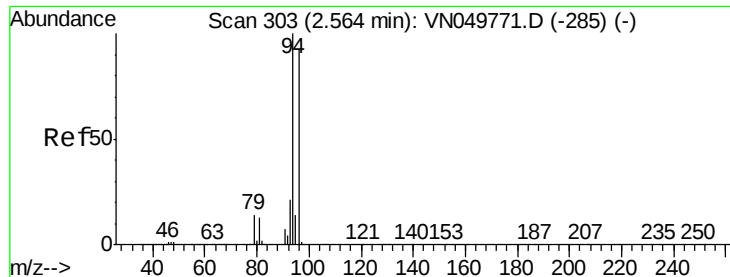
Tgt Ion: 62 Resp: 2514900

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 147.03 ug/l

RT: 2.55 min Scan# 297

Delta R.T. -0.02 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1544542

Ion Ratio Lower Upper

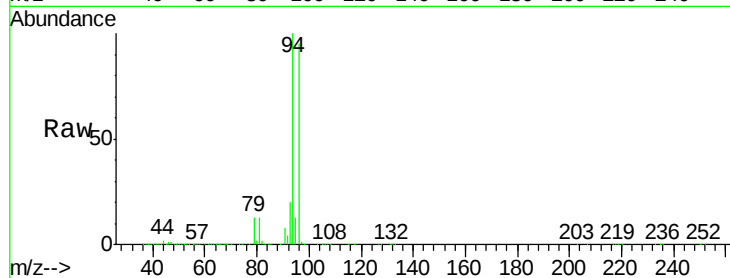
94 100

96 95.4 75.7 113.5

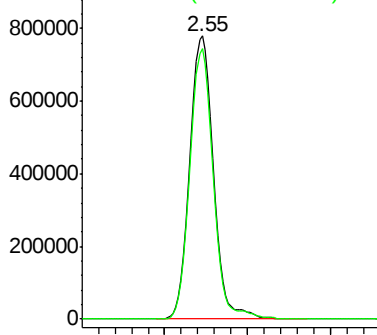
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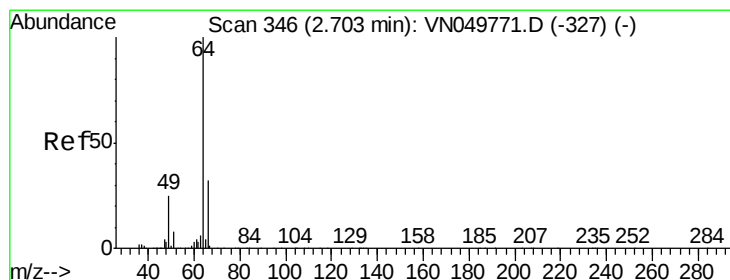
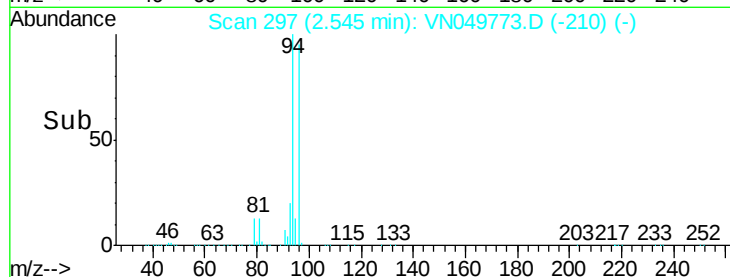
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 126.48 ug/l

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN049773.D

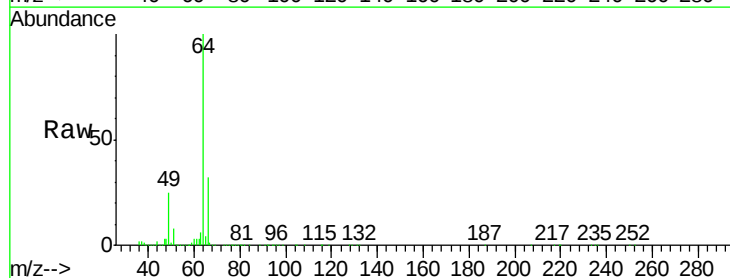
Acq: 12 Jul 2018 12:58

Tgt Ion: 64 Resp: 1601011

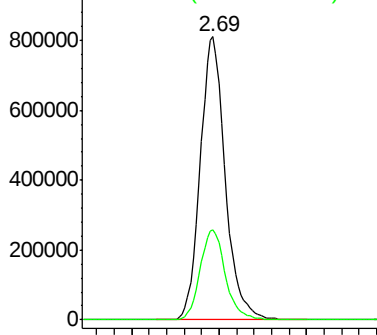
Ion Ratio Lower Upper

64 100

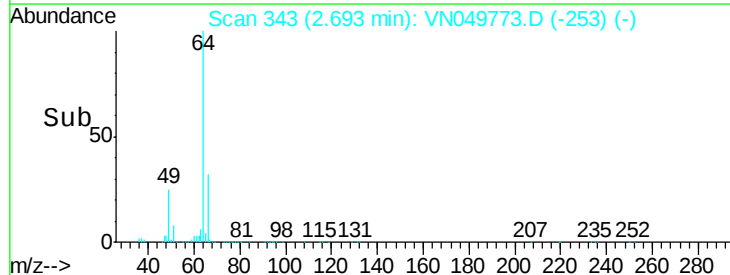
66 32.0 25.6 38.4

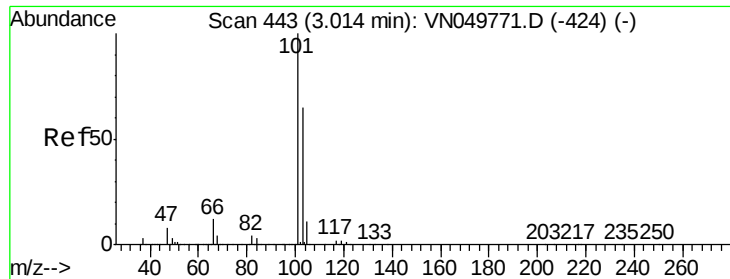


Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

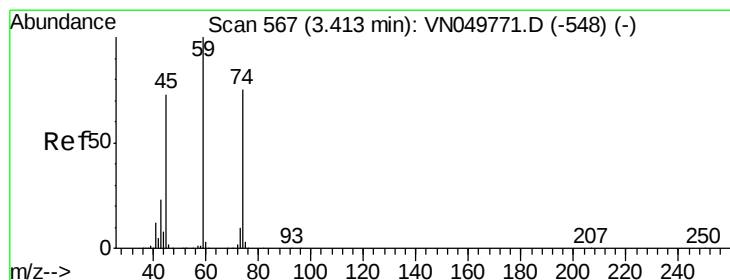
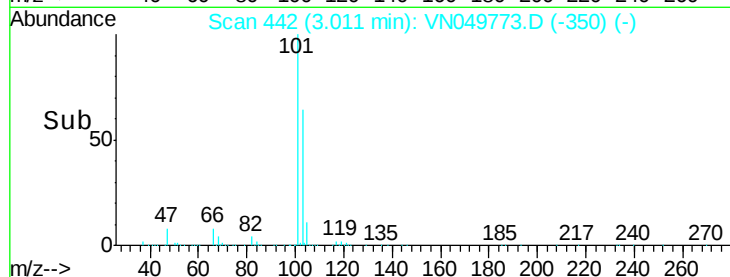
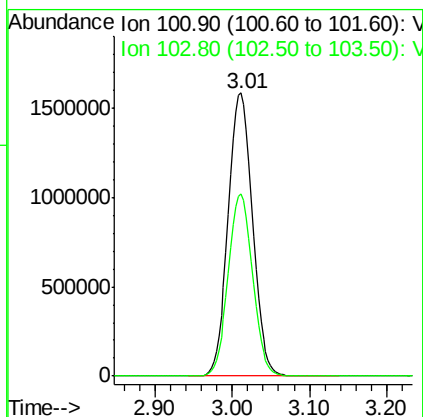
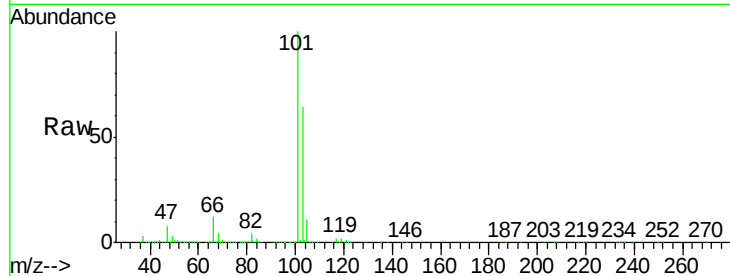
Trichlorofluoromethane
Concen: 151.25 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 3455157
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2

Manual Integrations
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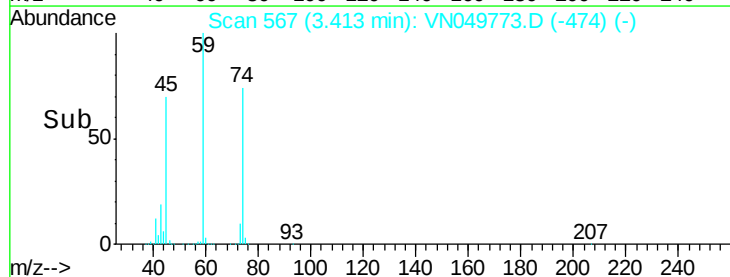
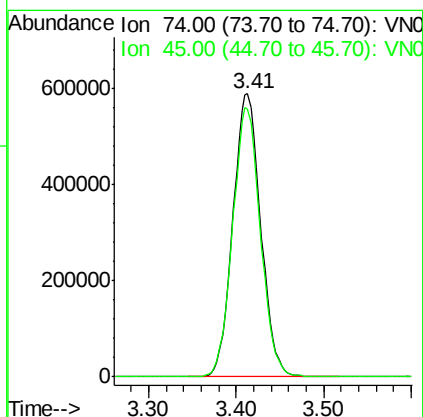
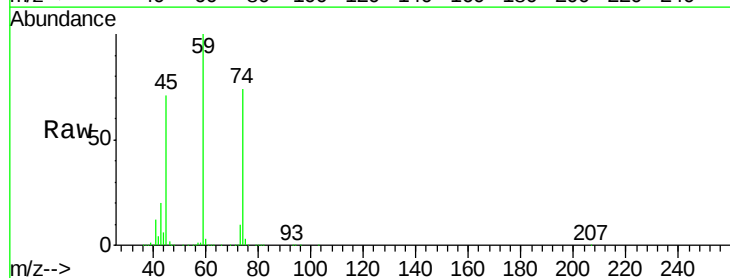
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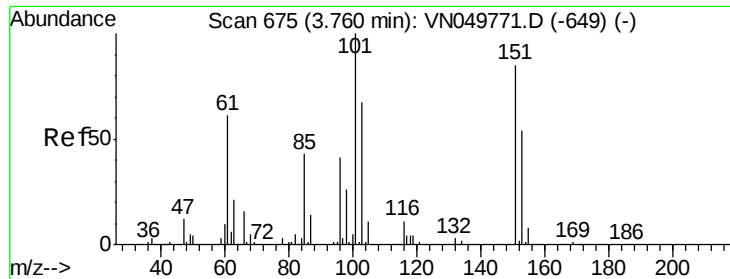


#8

Diethyl Ether
Concen: 140.12 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 74 Resp: 1297480
Ion Ratio Lower Upper
74 100
45 95.0 48.4 145.2





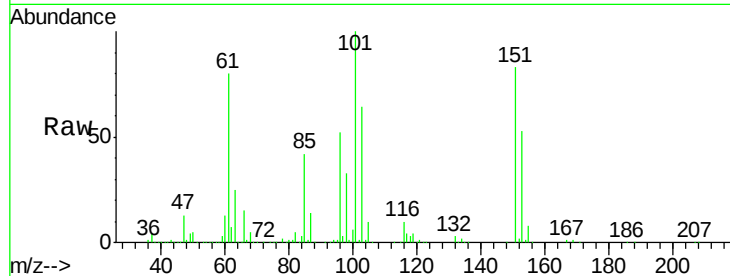
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 134.24 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN049773.D
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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

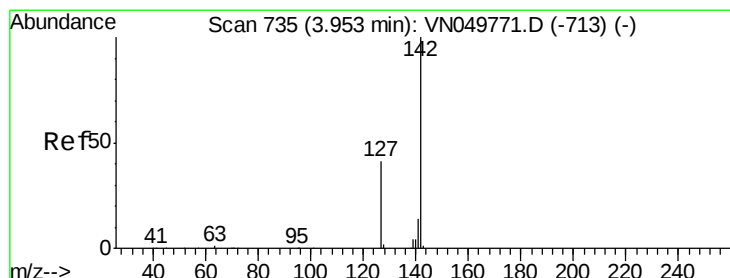
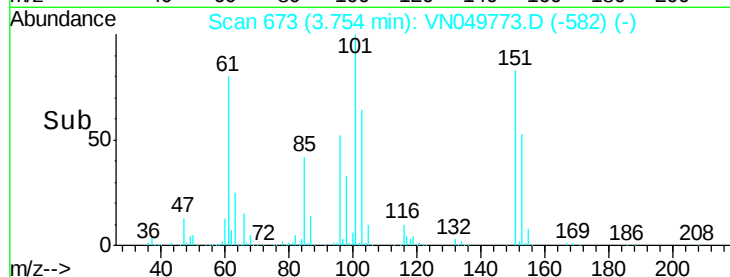
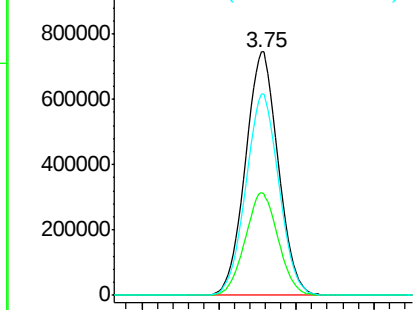
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	34.4	51.6
151	83.6	66.2	99.4

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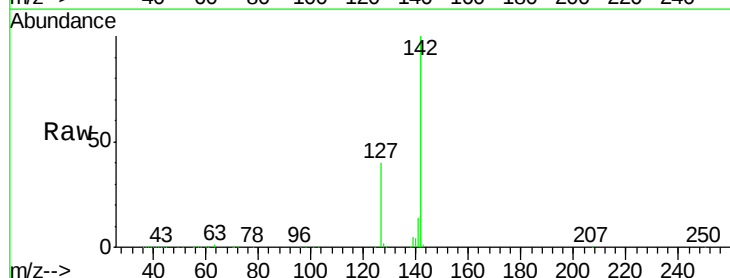


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

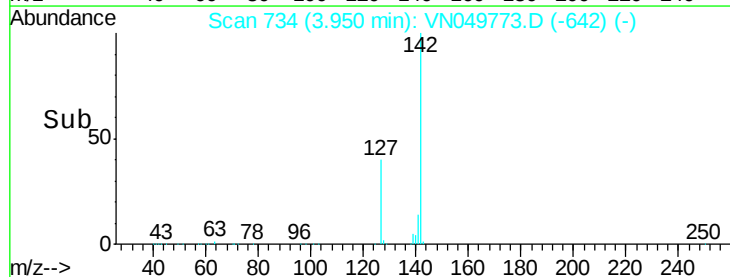
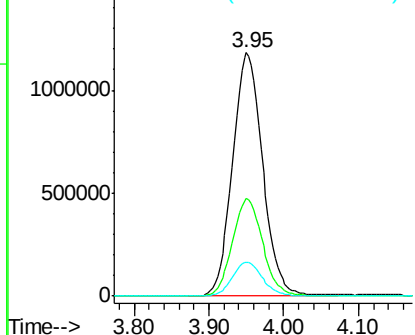


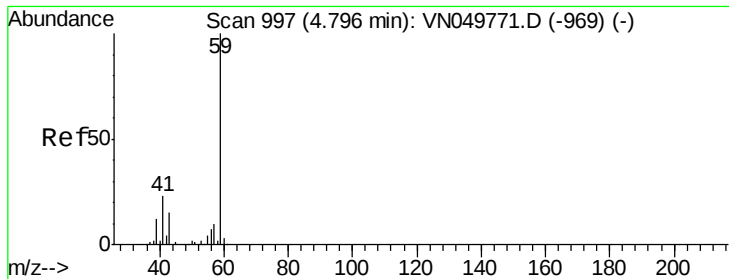
#10
 Methyl Iodide
 Concen: 161.59 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.3	32.5	48.7
141	13.9	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

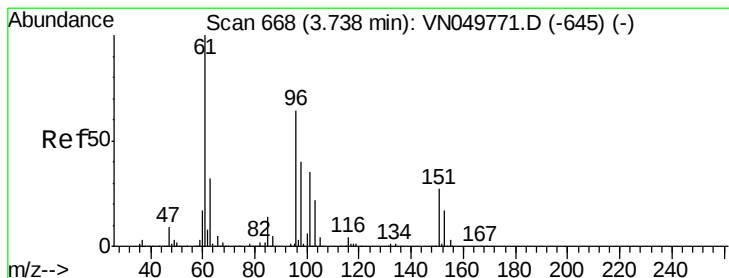
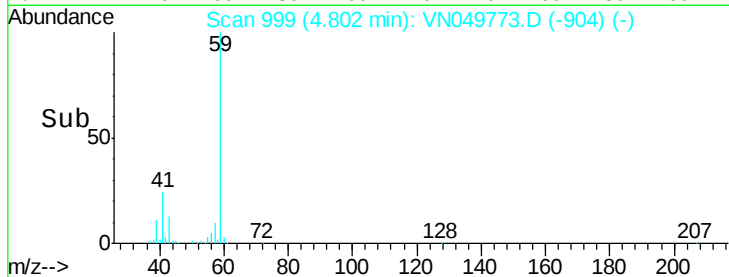
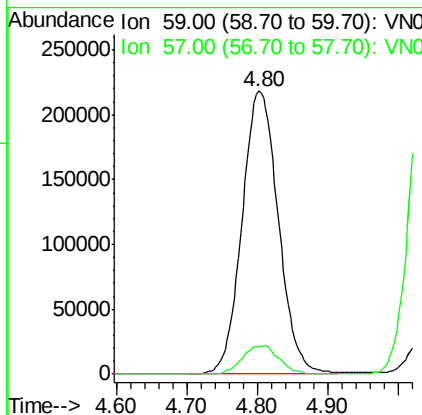
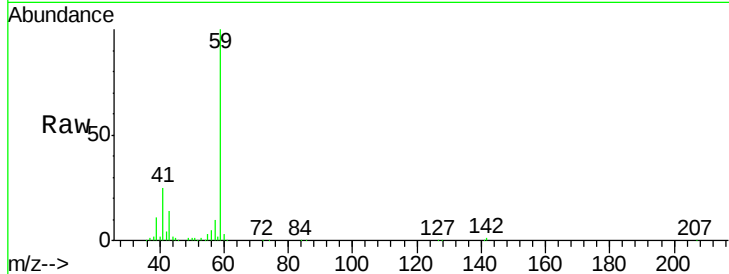
Tert butyl alcohol
 Concen: 780.81 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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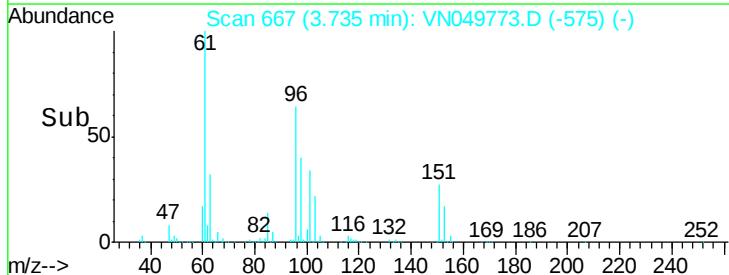
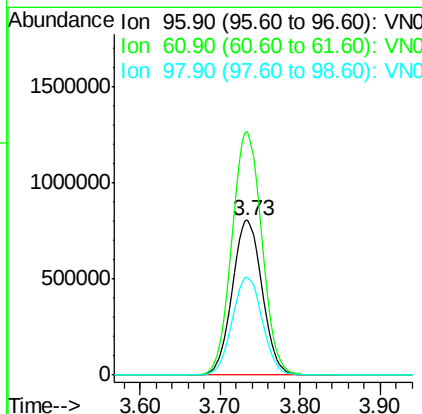
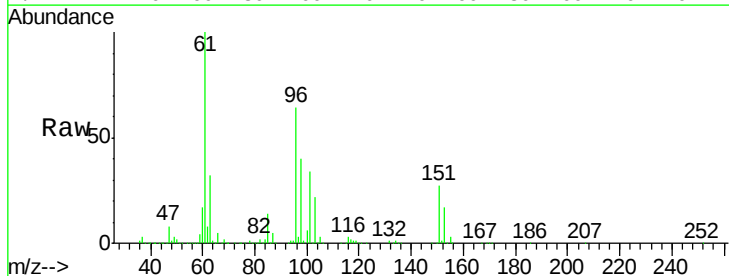
MMDadoda
 7/13/2018 1:35:11 PM

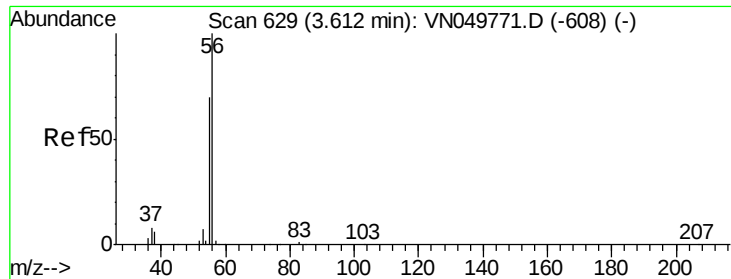


#12

1,1-Dichloroethene
 Concen: 130.72 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	126.5	189.7
98	63.1	51.0	76.6





#13

Acrolein

Concen: 745.20 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 697844

Ion Ratio Lower Upper

56 100

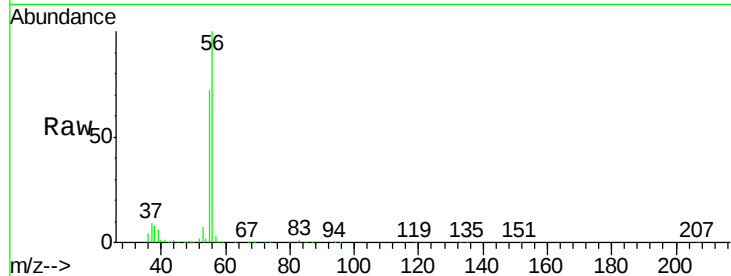
55 71.4 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN049773.D (-536) (-)

Ion 55.00 (54.70 to 55.70): VN049773.D (-536) (-)

3.61

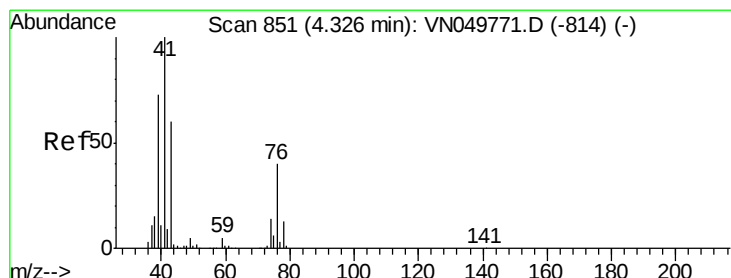
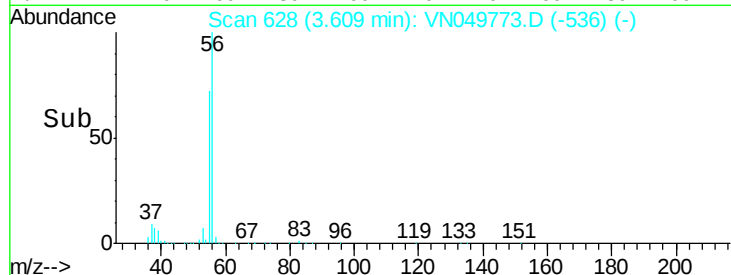
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 164.44 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

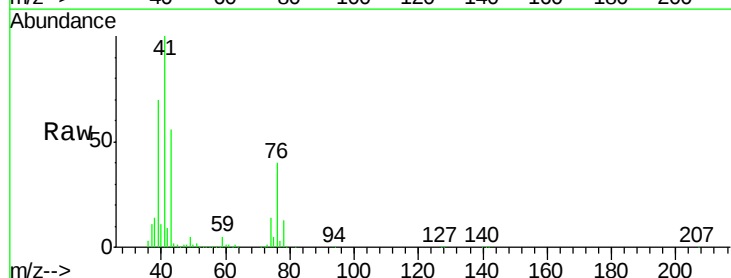
Tgt Ion: 41 Resp: 3509848

Ion Ratio Lower Upper

41 100

39 65.5 53.2 79.8

76 37.2 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN049773.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN049773.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN049773.D (-758) (-)

2500000

2000000

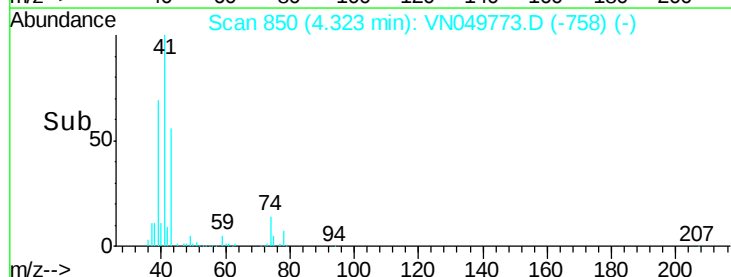
1500000

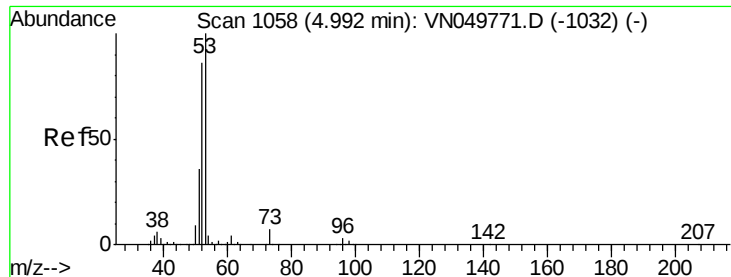
1000000

500000

0

Time-->





#15

Acrylonitrile

Concen: 757.28 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 3921121

Ion Ratio Lower Upper

53 100

52 81.9 64.8 97.2

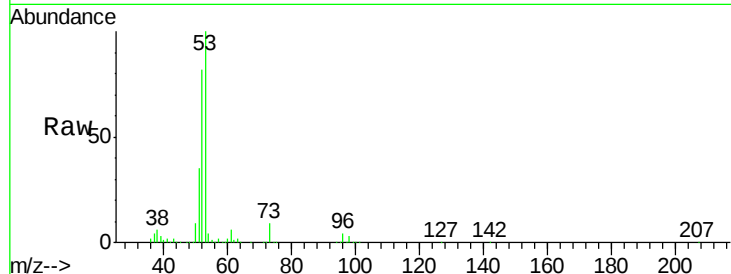
51 35.9 28.9 43.3

Manual Integrations

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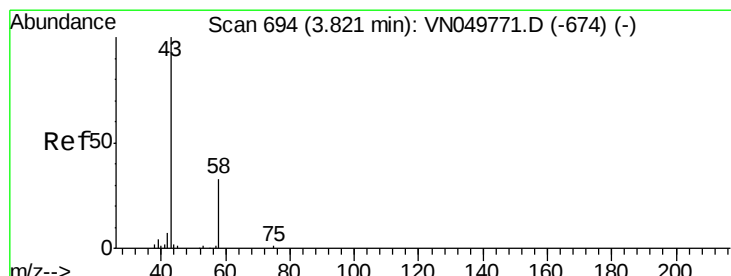
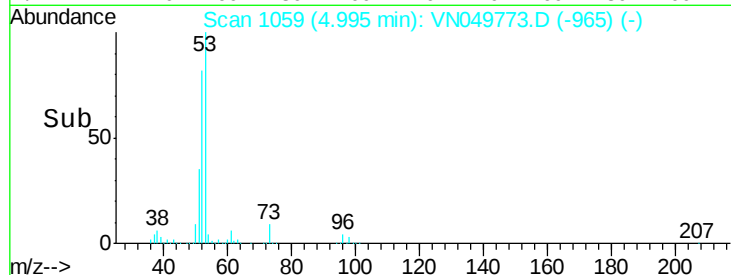
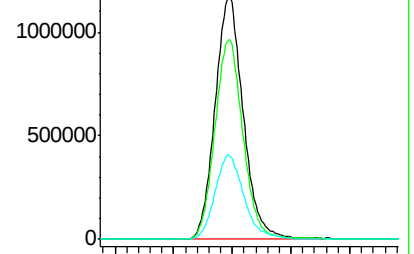
7/13/2018 1:35:11 PM



Abundance Ion 53.00 (52.70 to 53.70): VN049773.D (-1032) (-)

Ion 52.00 (51.70 to 52.70): VN049773.D (-1032) (-)

Ion 51.00 (50.70 to 51.70): VN049773.D (-1032) (-)



#16

Acetone

Concen: 655.63 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049773.D

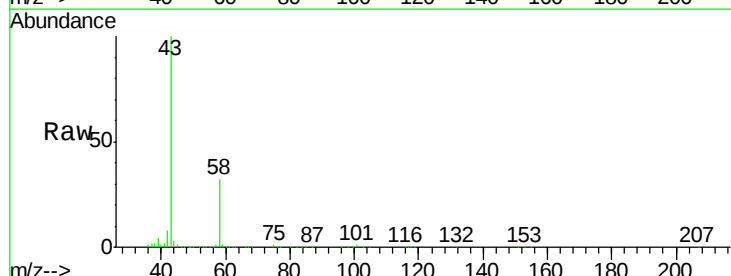
Acq: 12 Jul 2018 12:58

Tgt Ion: 43 Resp: 2836966

Ion Ratio Lower Upper

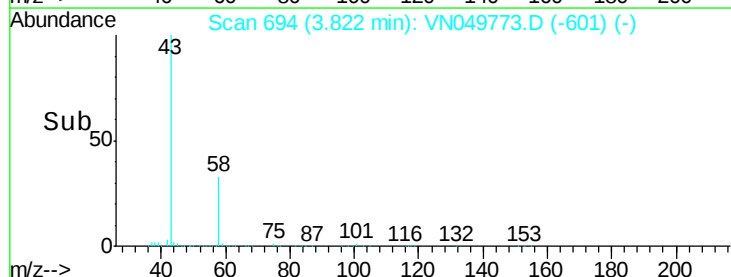
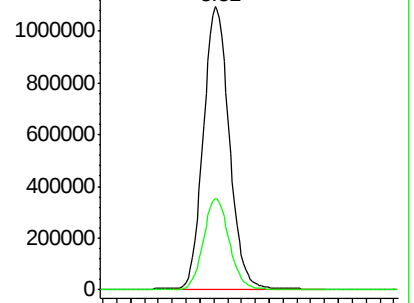
43 100

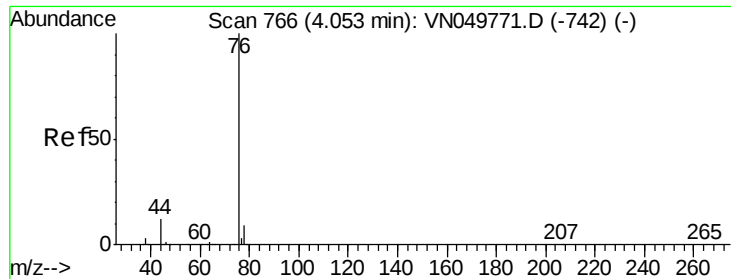
58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049773.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049773.D (-601) (-)





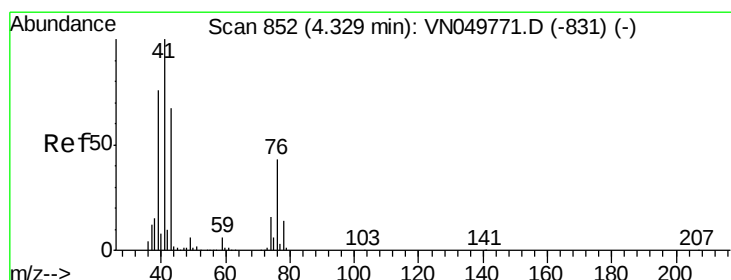
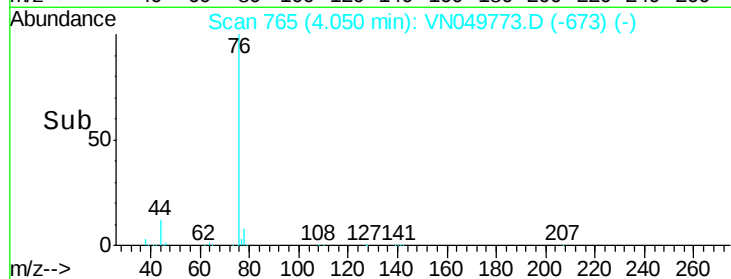
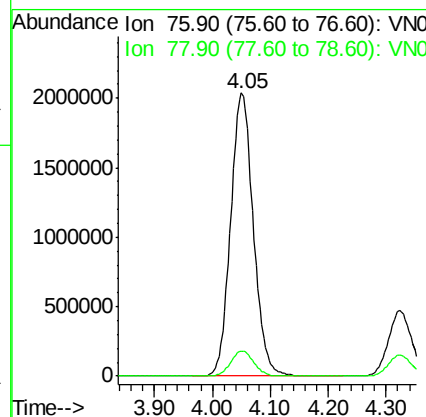
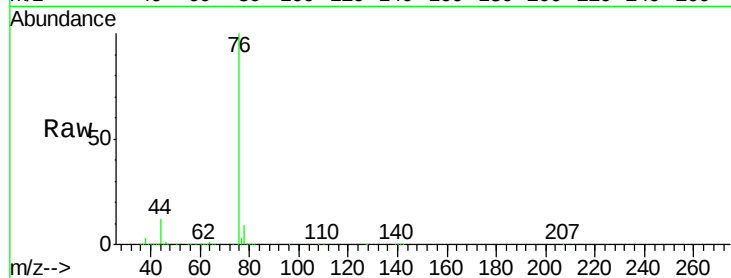
#17
Carbon Disulfide
Concen: 117.30 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 5524786
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

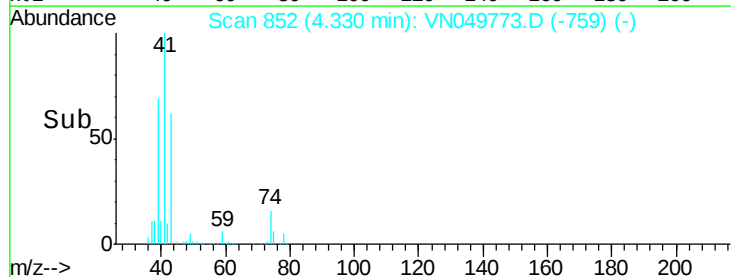
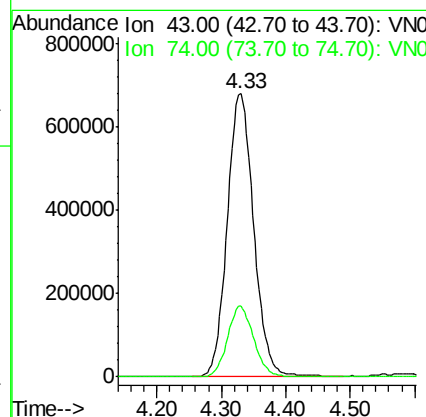
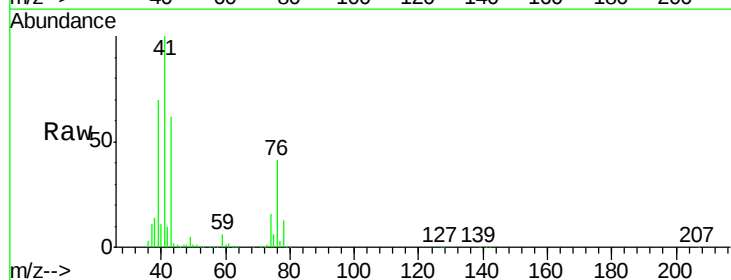
Manual Integrations
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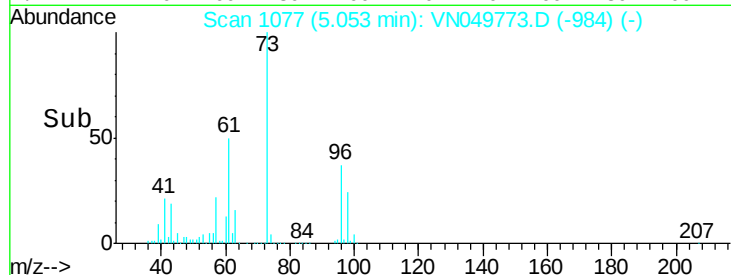
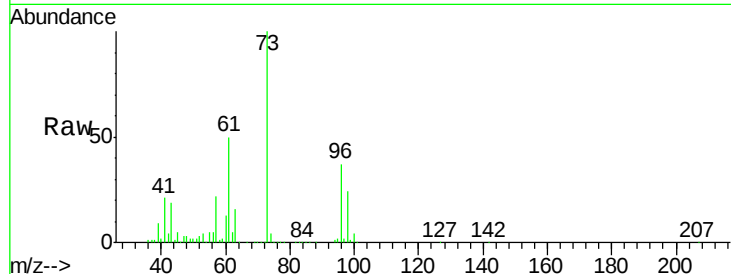
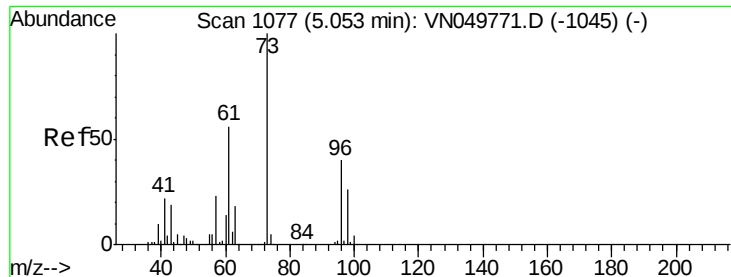
MMDadoda
7/13/2018 1:35:11 PM



#18
Methyl Acetate
Concen: 73.49 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 43 Resp: 1934633
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8





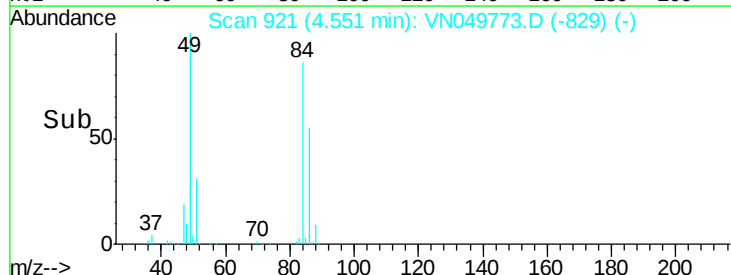
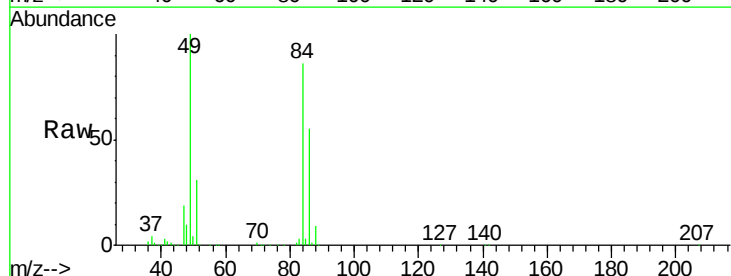
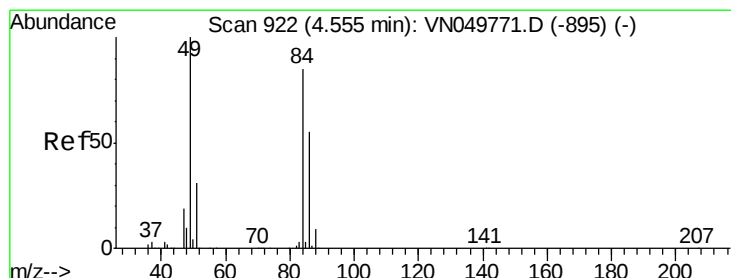
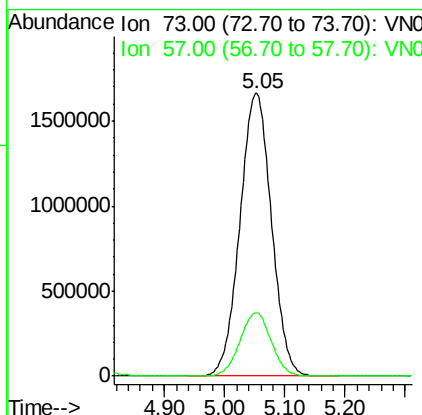
#19
Methvl tert-butvl Ether
Concen: 151.90 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tot Ion: 73 Resp: 6084512
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

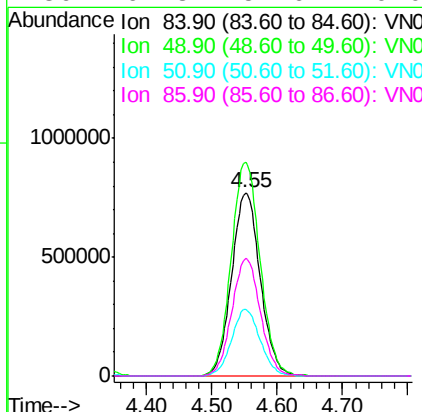
Manual Integrations
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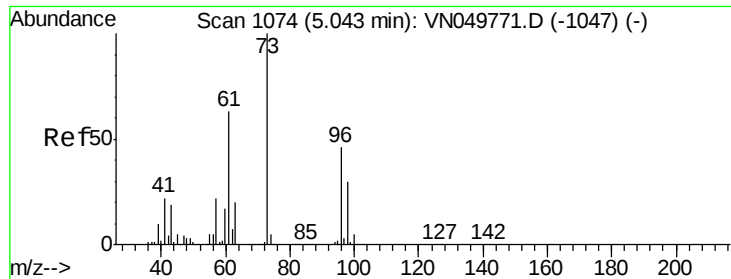
MMDadoda
7/13/2018 1:35:11 PM



#20
Methylene Chloride
Concen: 130.75 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 84 Resp: 2352149
Ion Ratio Lower Upper
84 100
49 116.4 95.4 143.2
51 36.5 28.4 42.6
86 64.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 138.22 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2210364

Ion Ratio Lower Upper

96 100

61 137.8 109.0 163.6

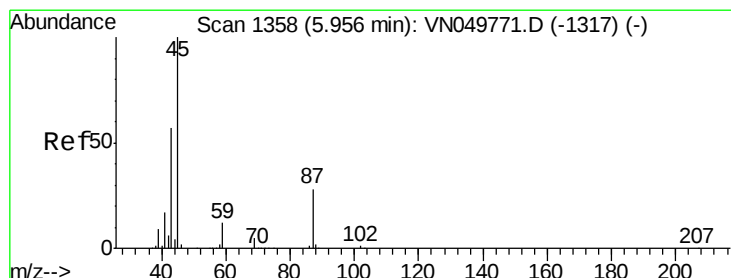
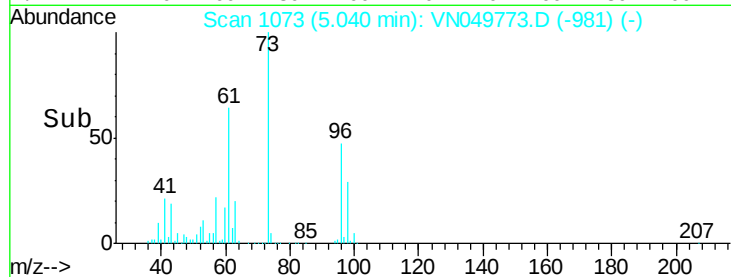
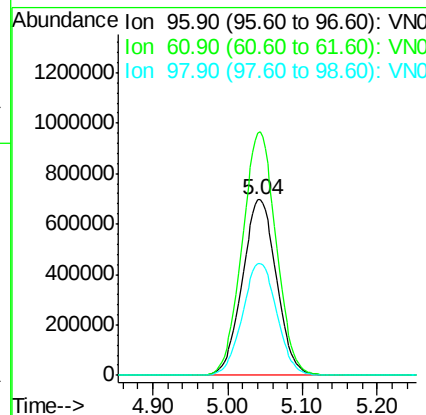
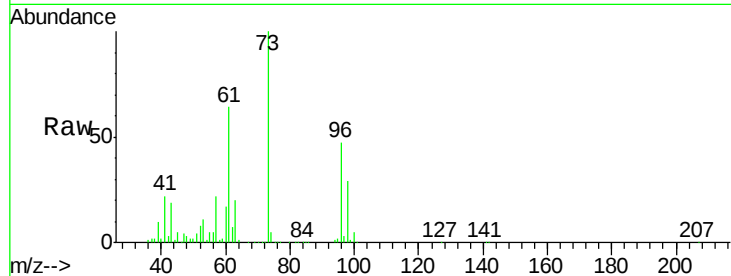
98 63.3 51.1 76.7

Manual Integrations

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7/13/2018 1:35:11 PM



#22

Diisopropyl ether

Concen: 152.98 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion: 45 Resp: 7387290

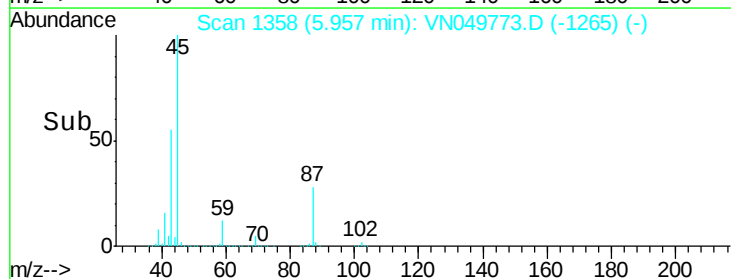
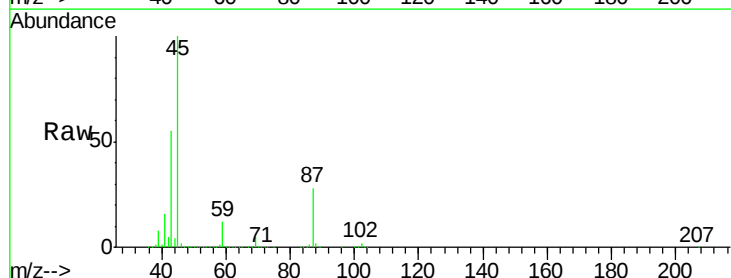
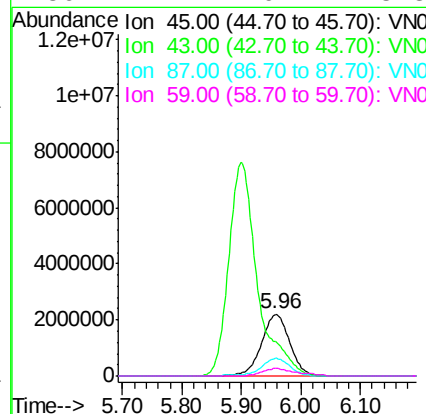
Ion Ratio Lower Upper

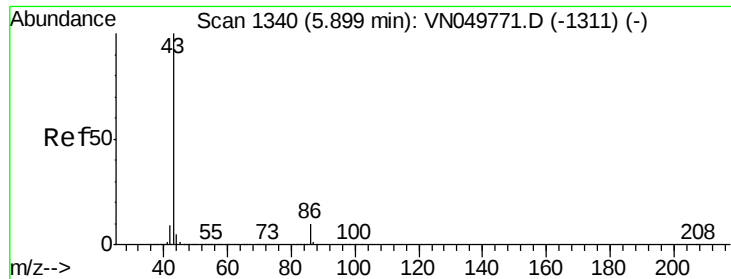
45 100

43 54.9 48.1 72.1

87 28.1 22.6 34.0

59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 817.67 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 25604790

Ion Ratio Lower Upper

43 100

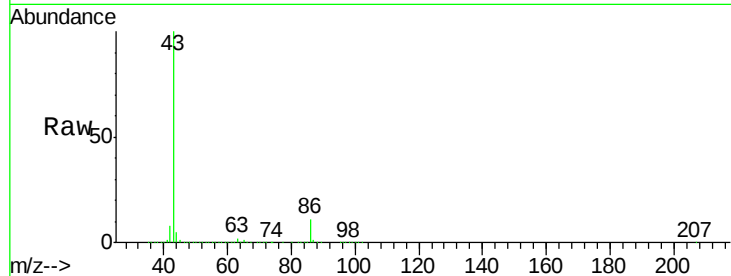
86 10.6 8.4 12.6

Manual Integrations

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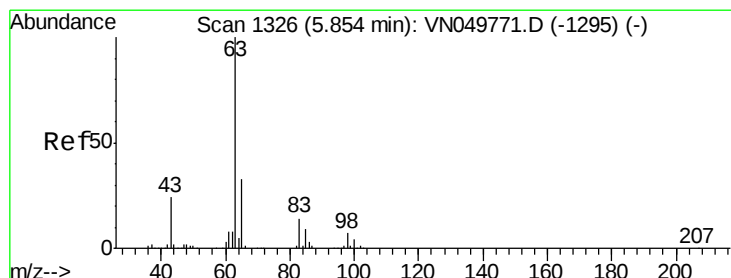
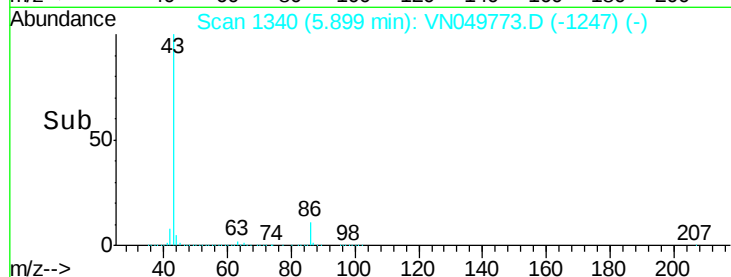
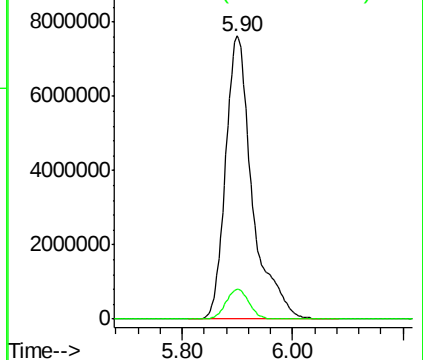
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 140.71 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

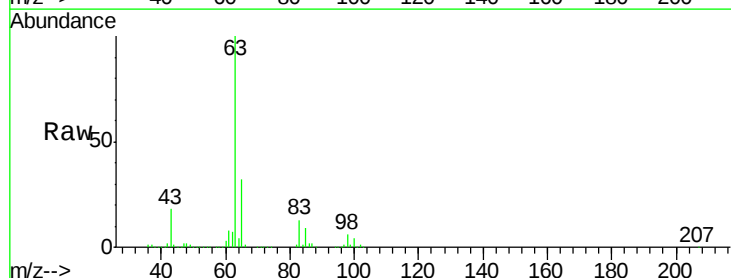
Tgt Ion: 63 Resp: 4280673

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

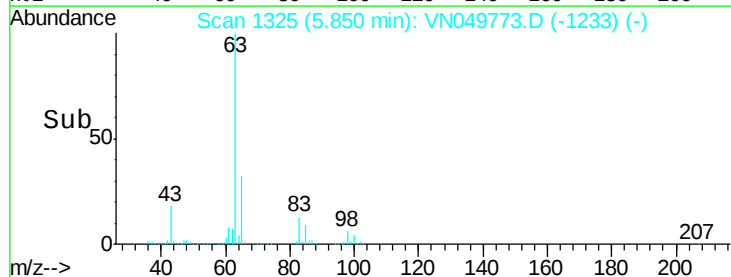
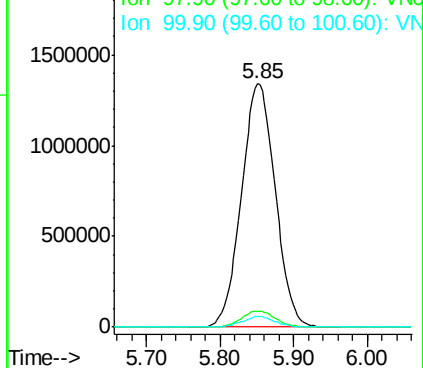
100 4.3 2.2 6.6

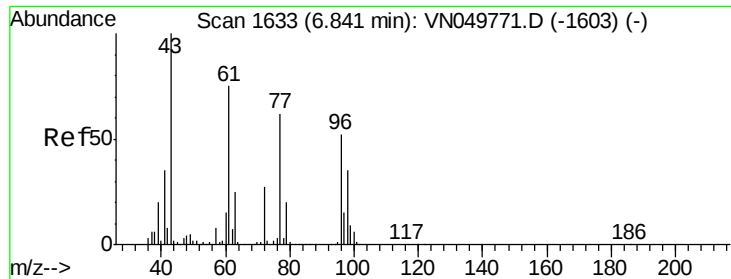


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 786.81 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4563402

Ion Ratio Lower Upper

43 100

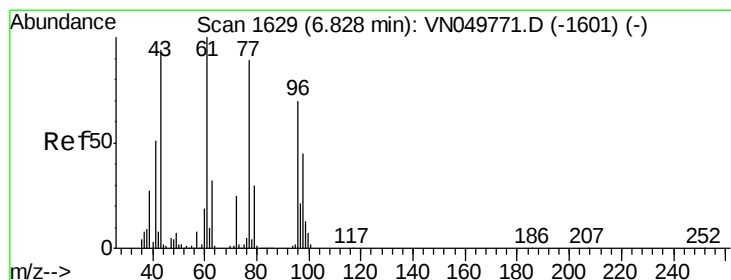
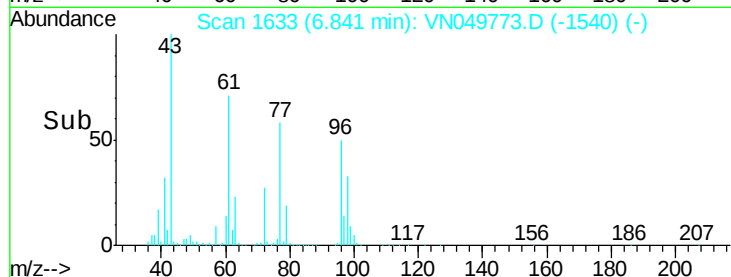
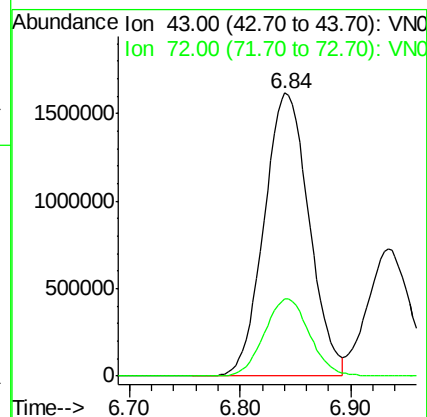
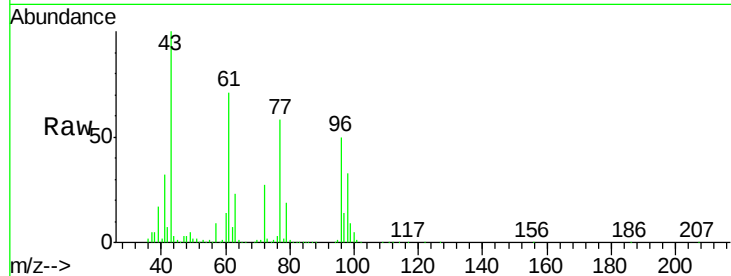
72 27.3 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 144.62 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049773.D

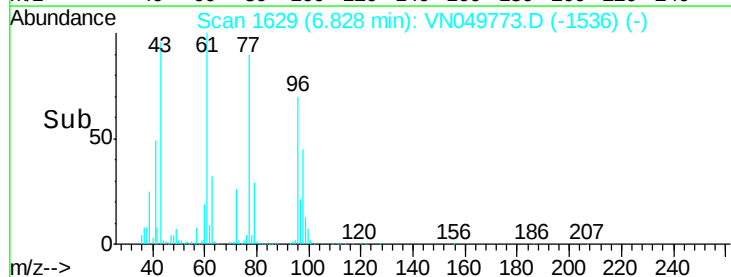
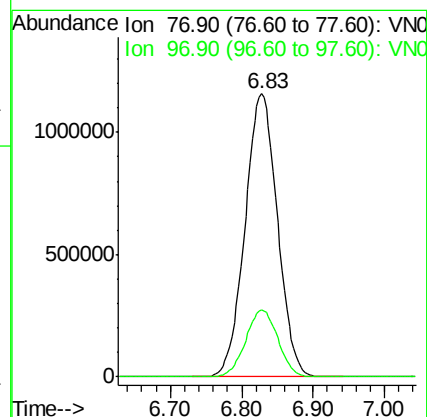
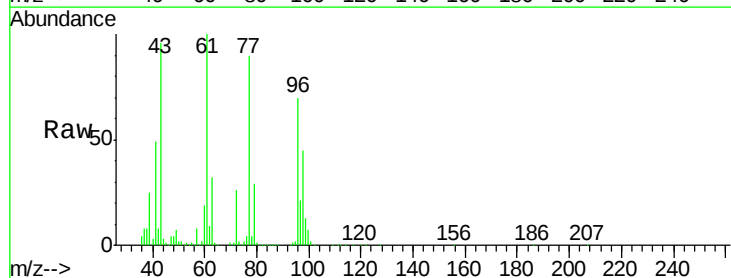
Acq: 12 Jul 2018 12:58

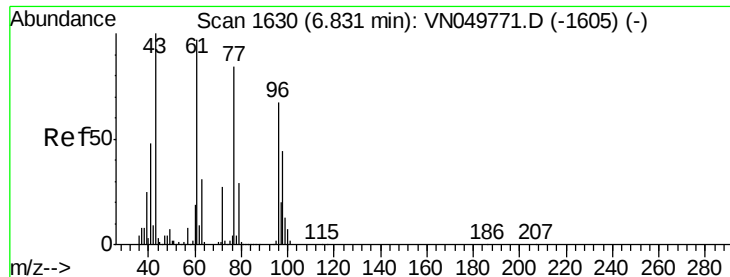
Tgt Ion: 77 Resp: 3653909

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 147.02 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049773.D

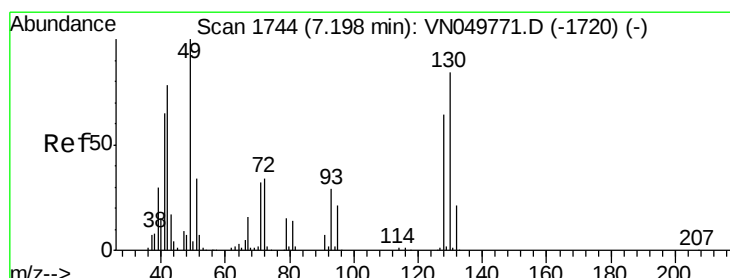
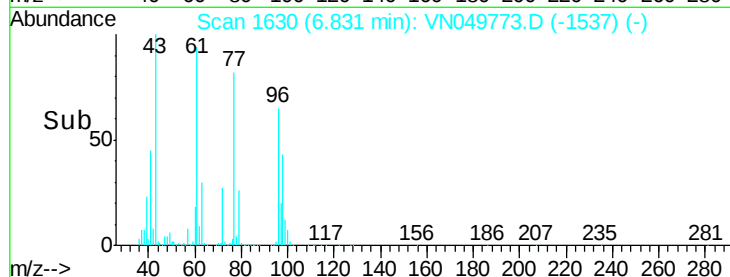
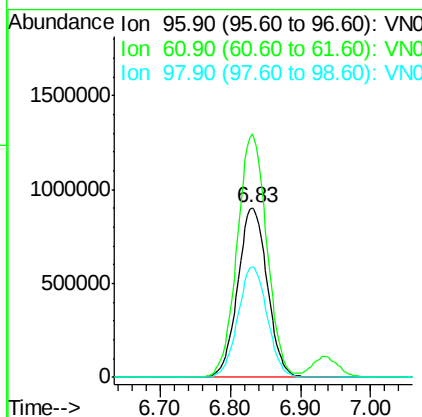
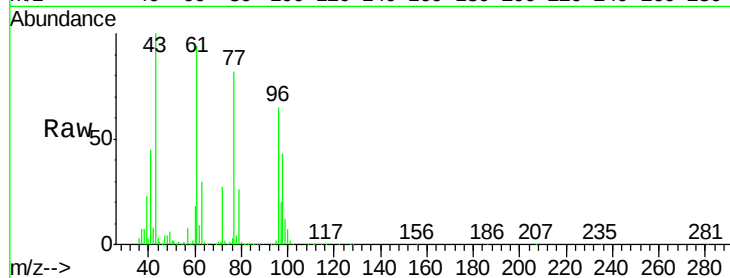
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	289.0
98	65.1	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 151.85 ug/l

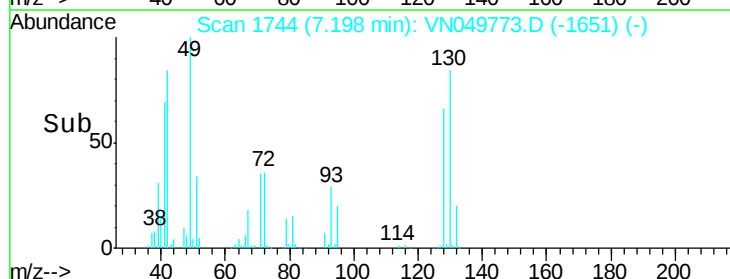
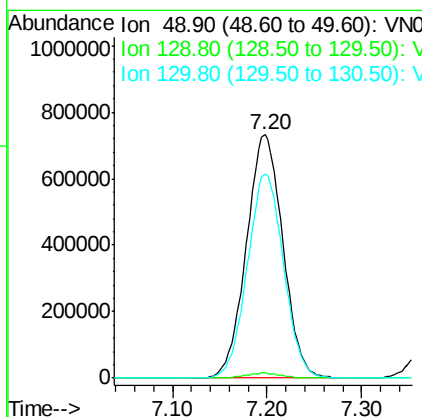
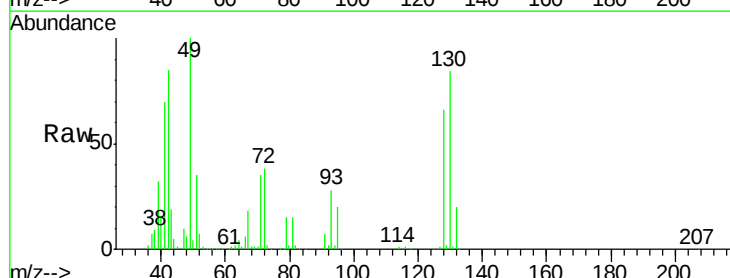
RT: 7.20 min Scan# 1744

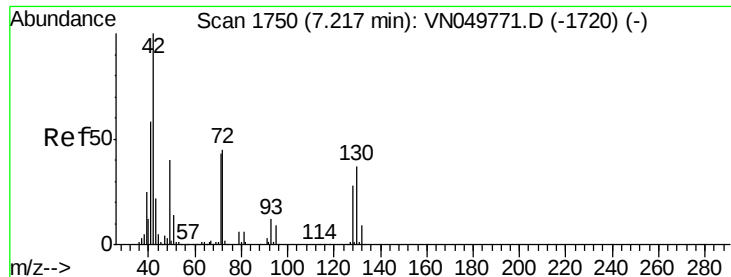
Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.5	65.5	98.3





#29

Tetrahydrofuran

Concen: 789.06 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 2916885

Ion Ratio Lower Upper

42 100

72 44.8 35.6 53.4

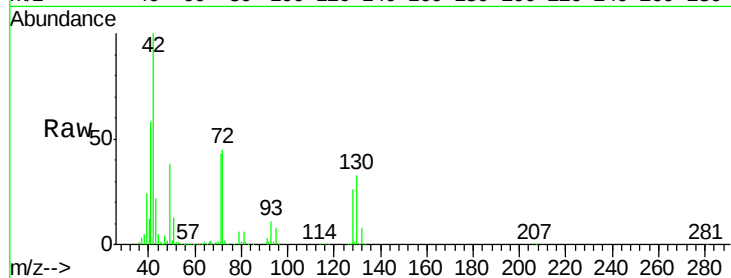
71 41.9 34.0 51.0

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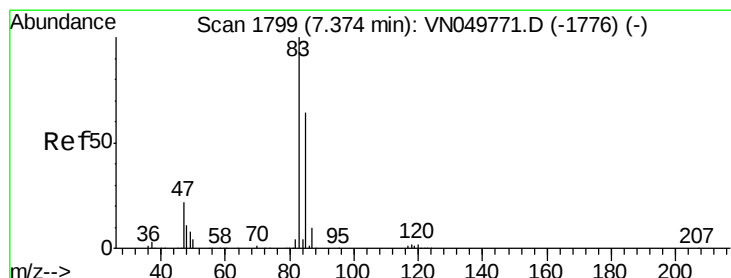
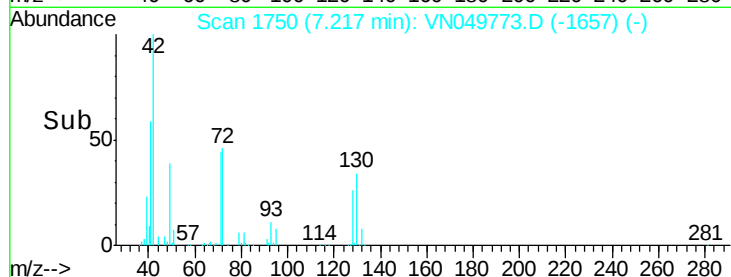
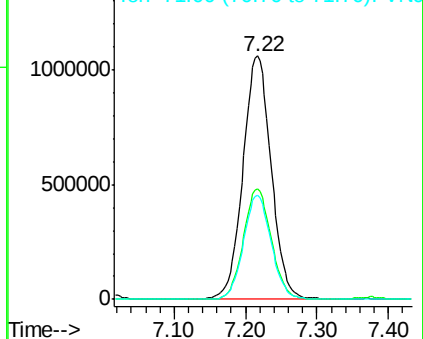
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Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 140.59 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049773.D

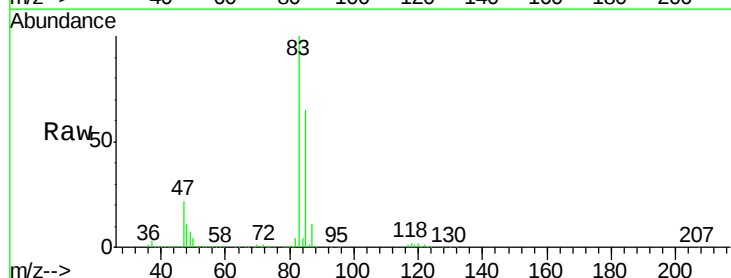
Acq: 12 Jul 2018 12:58

Tgt Ion: 83 Resp: 4359892

Ion Ratio Lower Upper

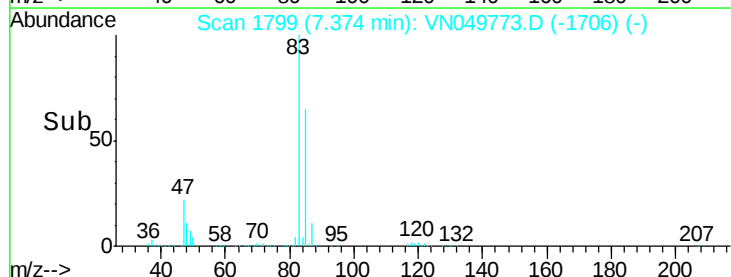
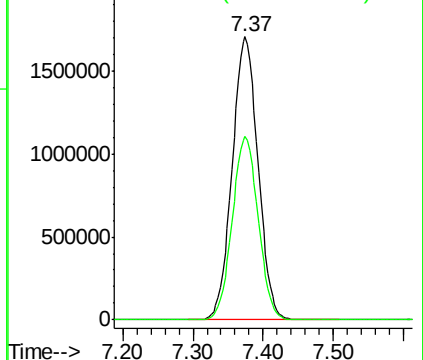
83 100

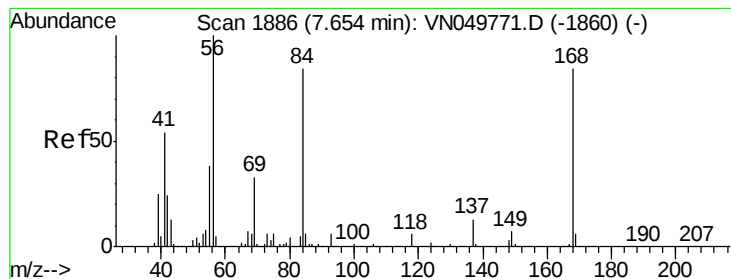
85 64.8 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 121.33 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 3634723

Ion Ratio Lower Upper

56 100

69 31.5 26.6 40.0

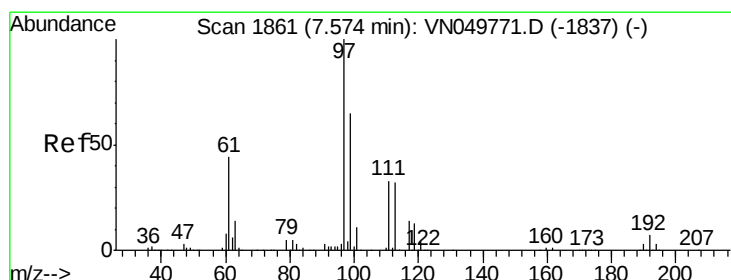
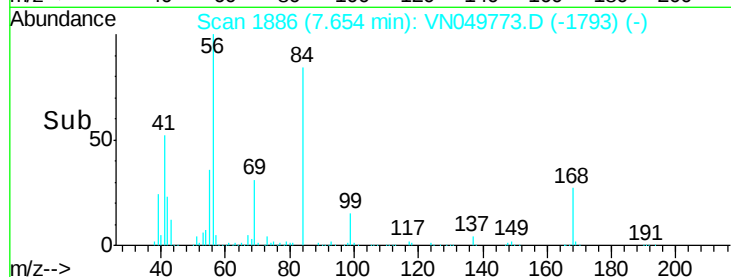
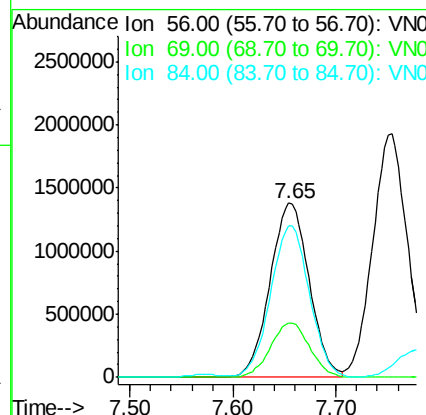
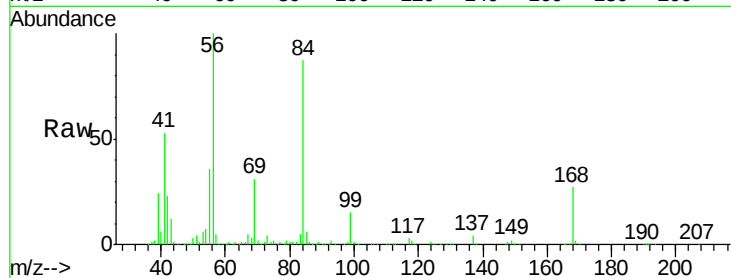
84 85.6 69.0 103.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 143.40 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

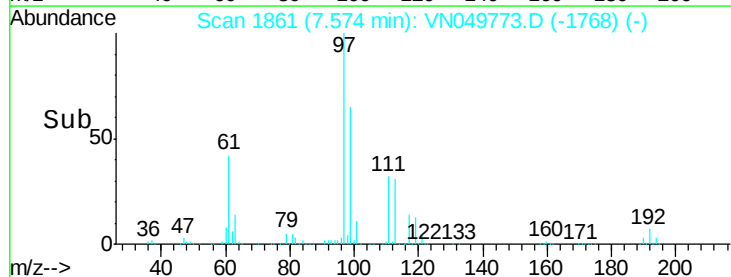
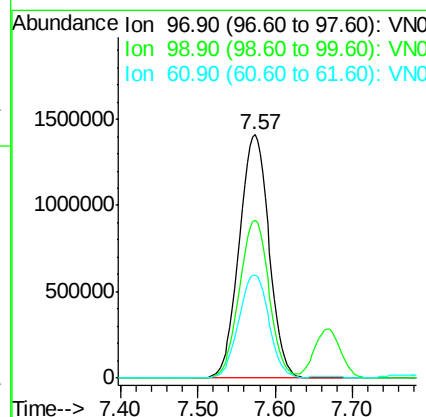
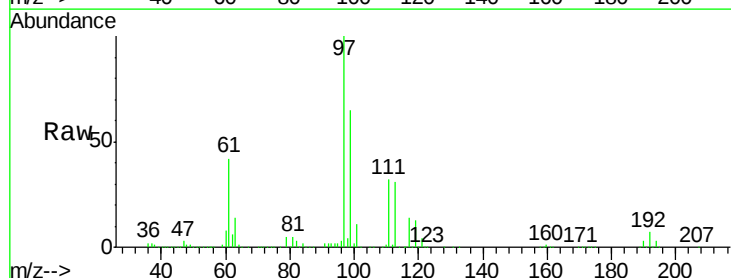
Tgt Ion: 97 Resp: 3764848

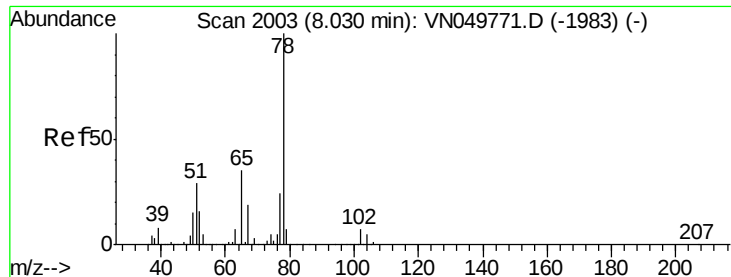
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 43.0 35.5 53.3





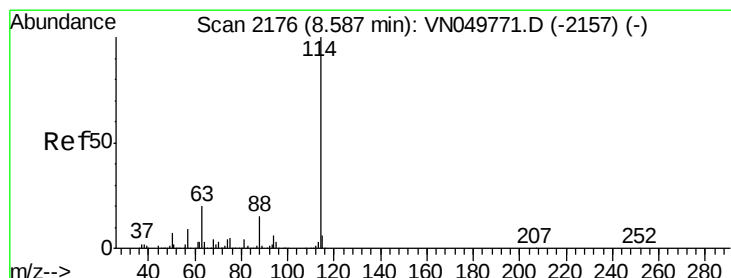
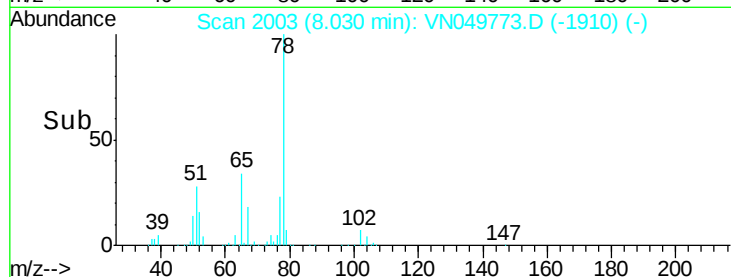
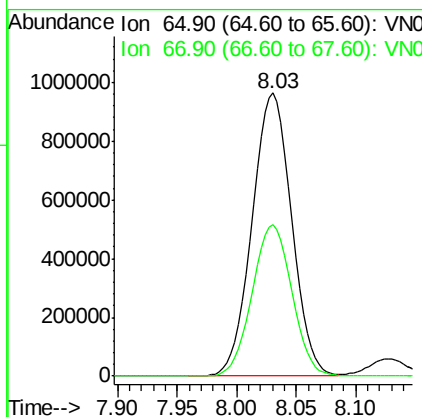
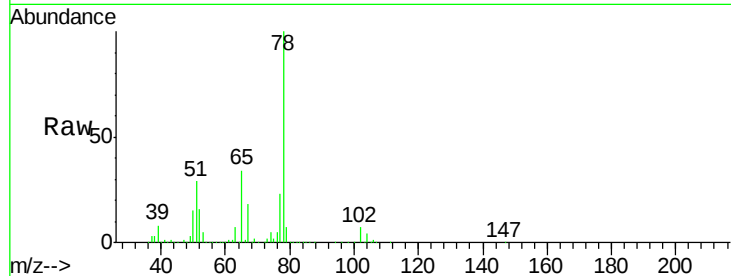
#33
 1,2-Dichloroethane-d4
 Concen: 127.10 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 2220538
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2

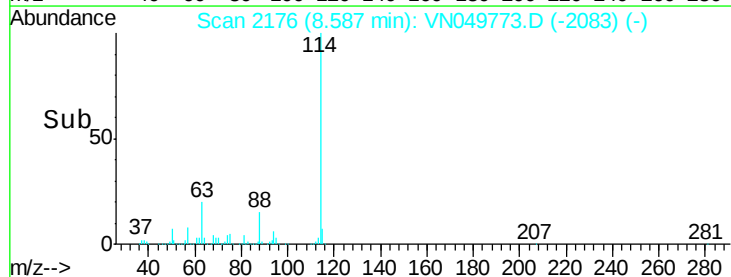
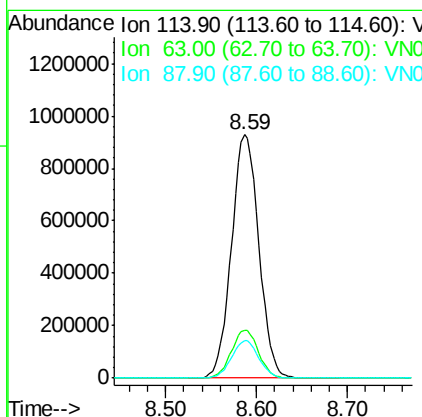
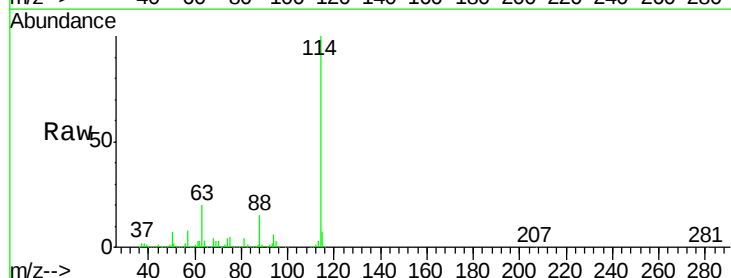
Manual Integrations
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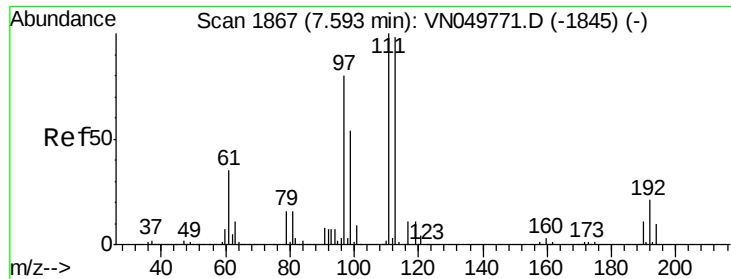
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 114 Resp: 1932994
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 30.6





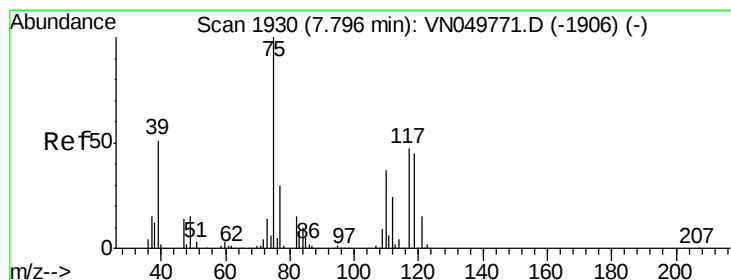
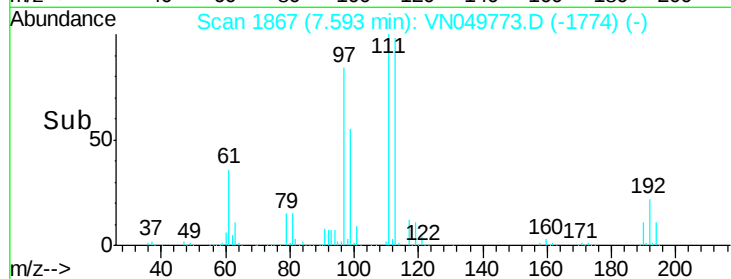
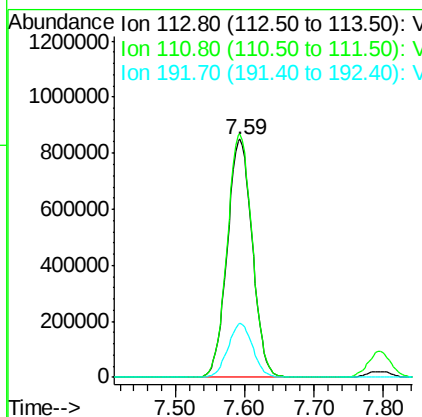
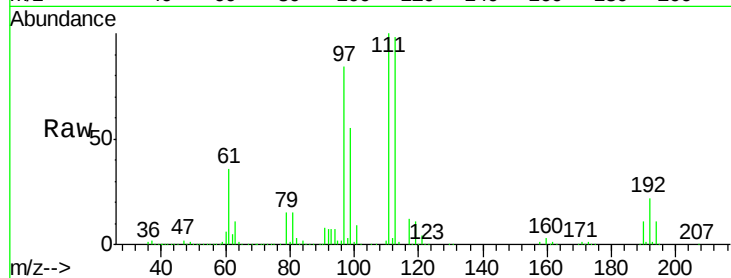
#35
 Dibromofluoromethane
 Concen: 148.61 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	22.4	17.8	26.6

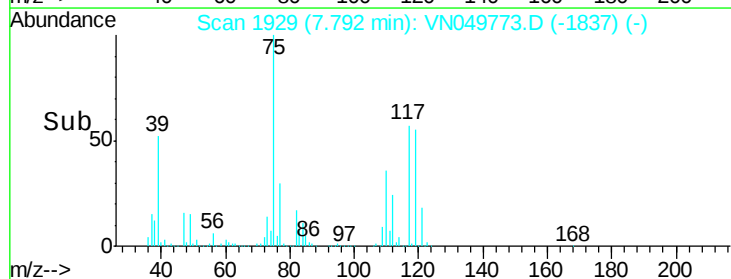
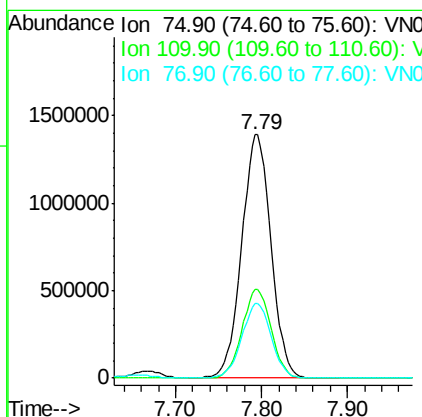
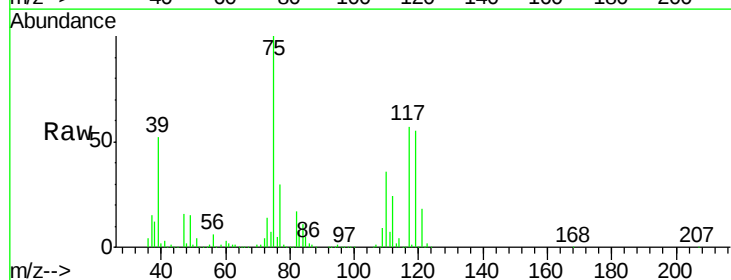
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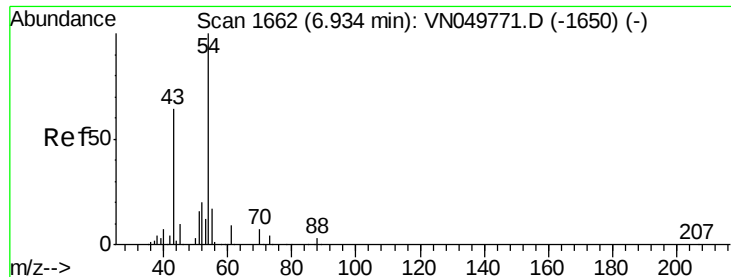
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 150.97 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.4
77	30.9	24.9	37.3





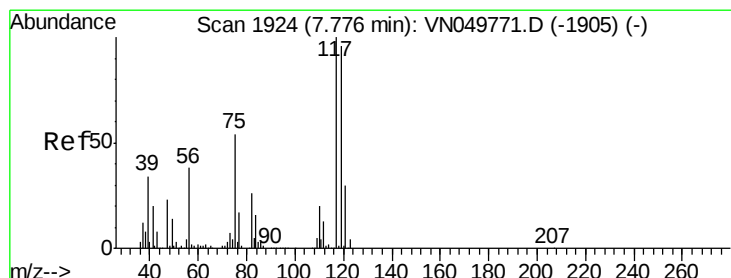
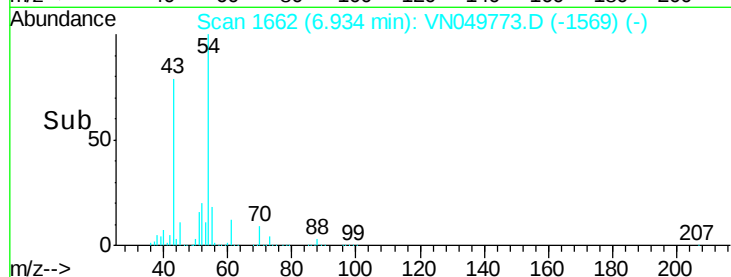
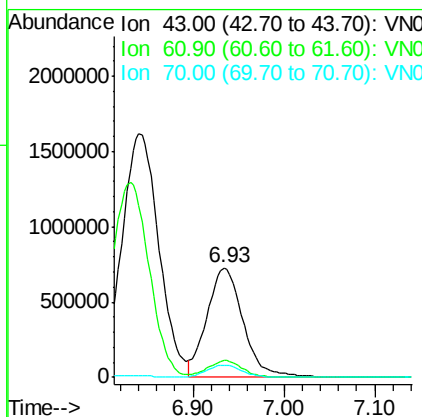
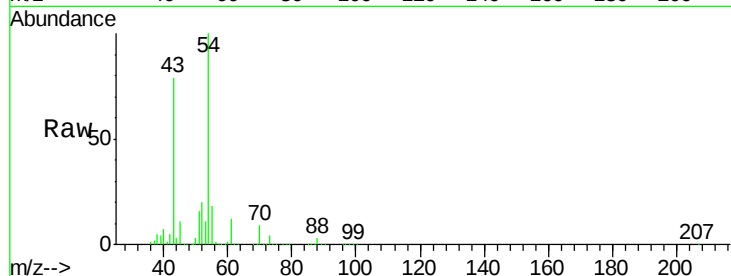
#37
Ethyl Acetate
Concen: 156.36 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	10.9	8.4	12.6

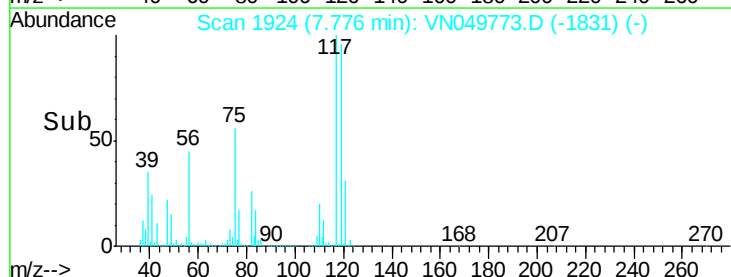
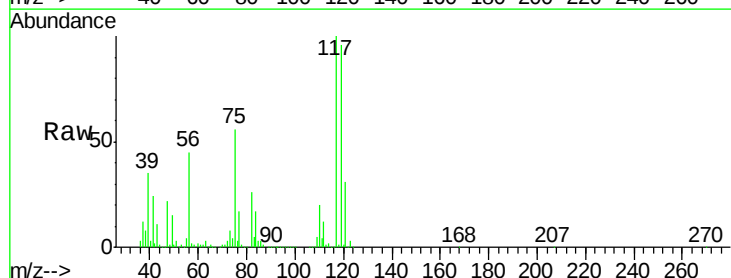
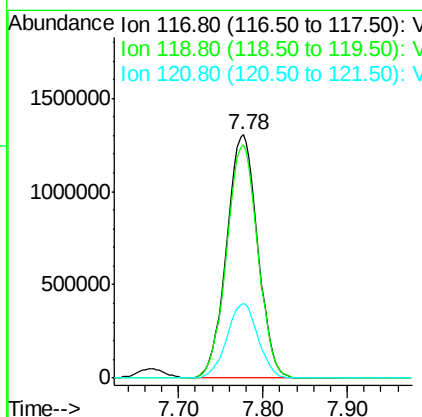
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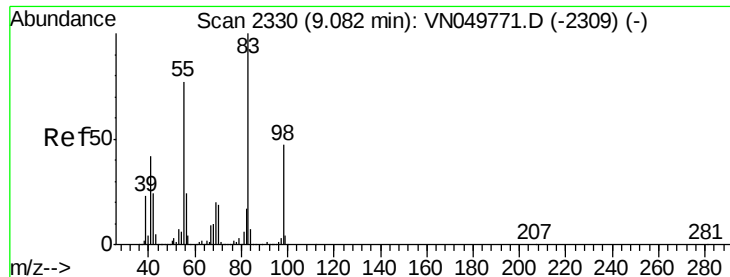
MMDadoda
7/13/2018 1:35:11 PM



#38
Carbon Tetrachloride
Concen: 157.43 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.2	115.8
121	30.6	25.0	37.6





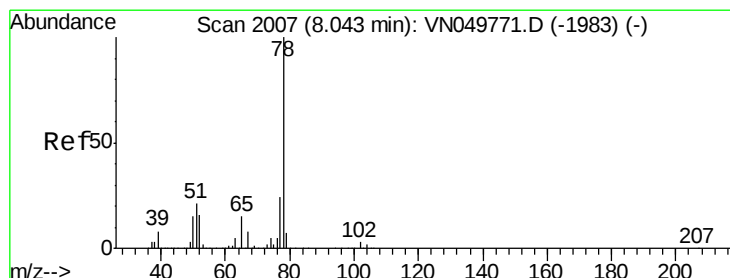
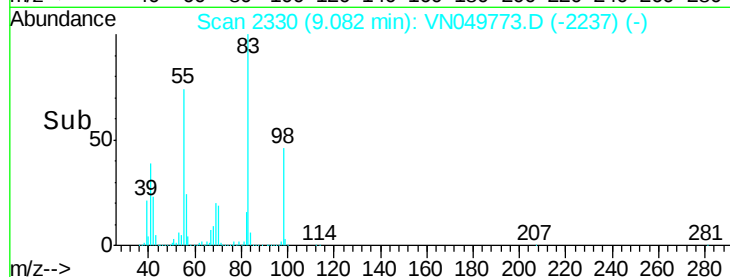
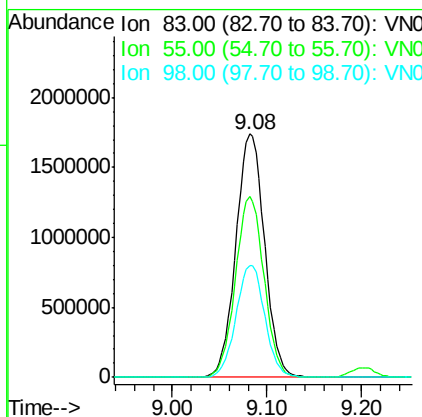
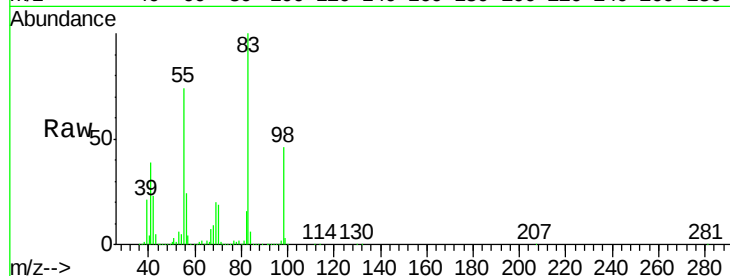
#39
Methvlcvclohexane
Concen: 153.53 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	59.7	89.5
98	46.2	36.5	54.7

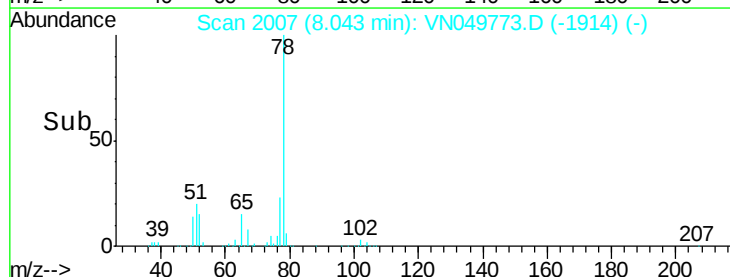
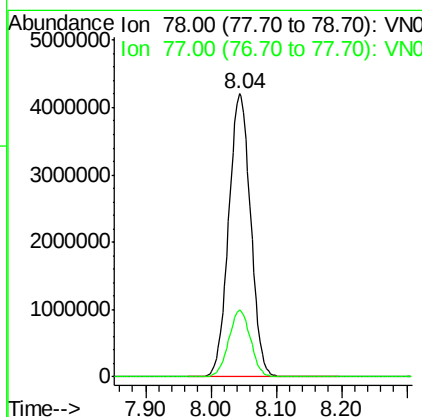
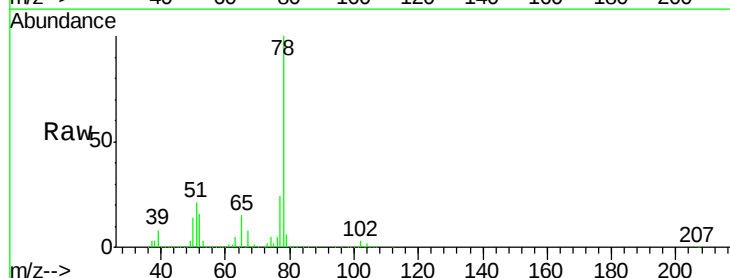
Manual Integrations
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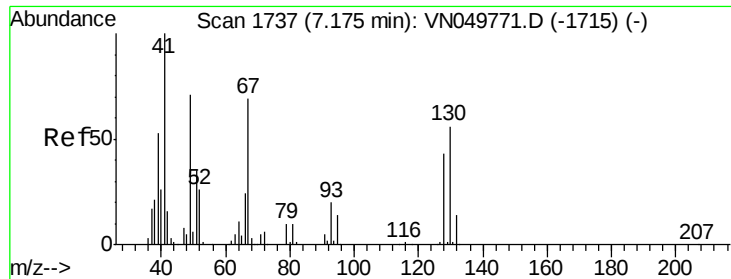
MMDadoda
7/13/2018 1:35:11 PM



#40
Benzene
Concen: 146.72 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





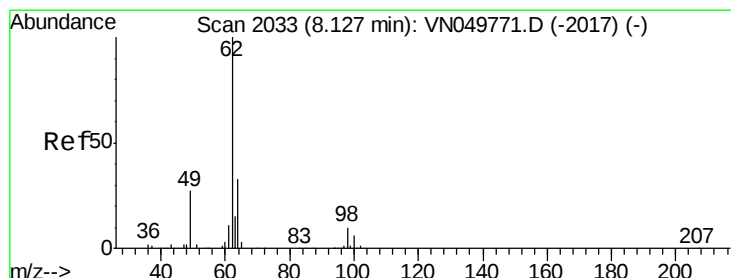
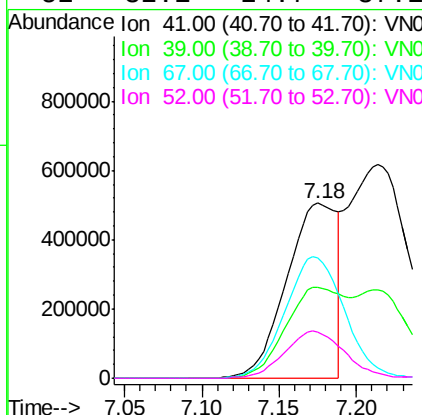
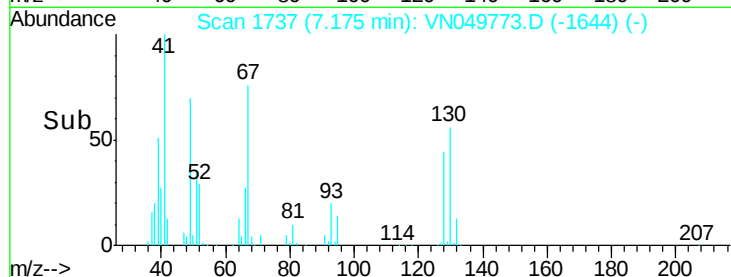
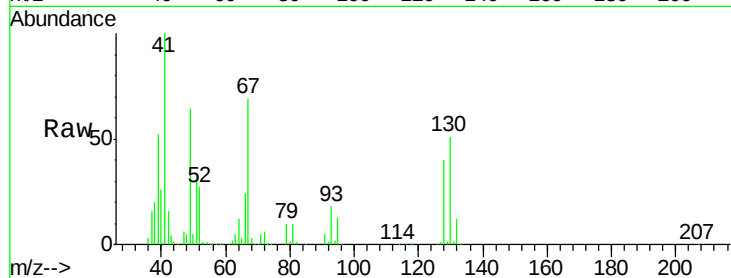
#41
Methacrylonitrile
Concen: 159.01 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	1136954
Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.4	68.2
67	82.8	65.4	98.0
52	32.1	24.7	37.1

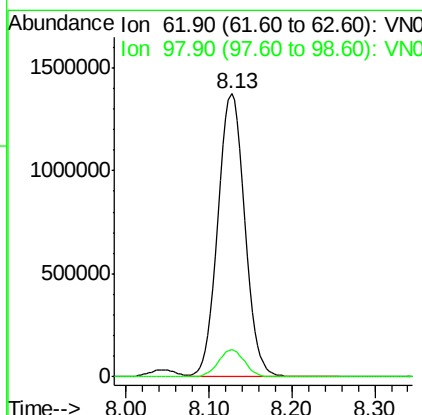
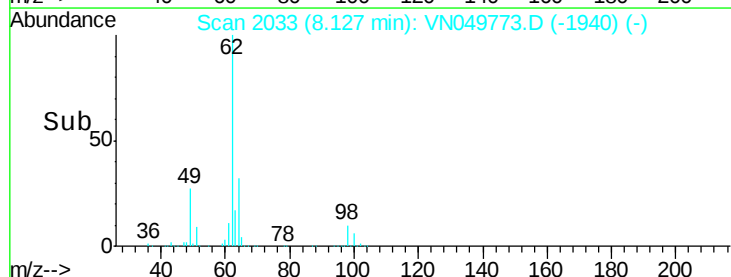
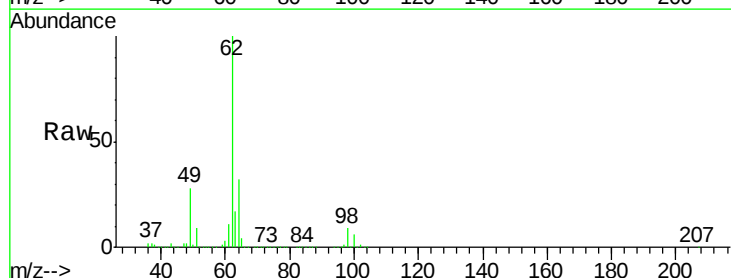
Manual Integrations
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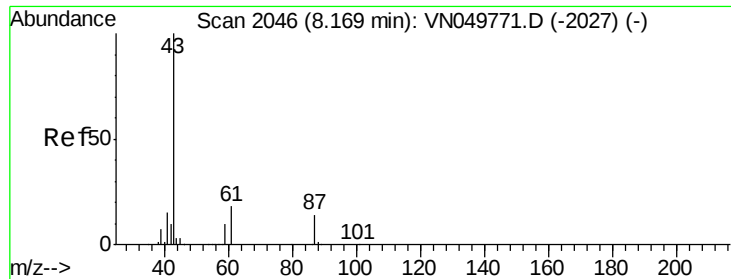
MMDadoda
7/13/2018 1:35:11 PM



#42
1,2-Dichloroethane
Concen: 146.17 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	62	Resp	3097679
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

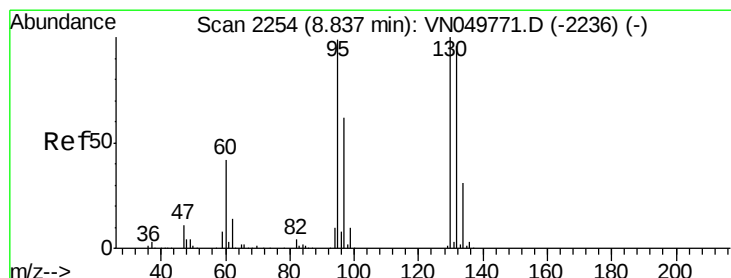
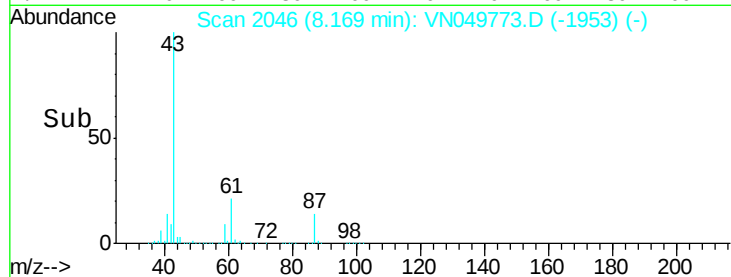
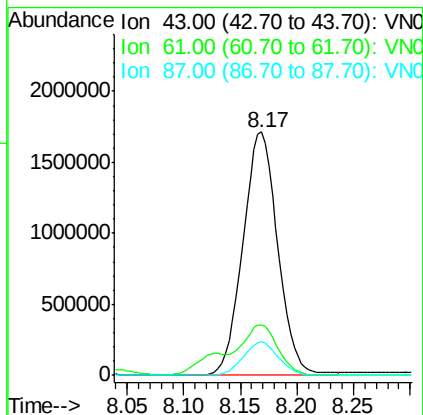
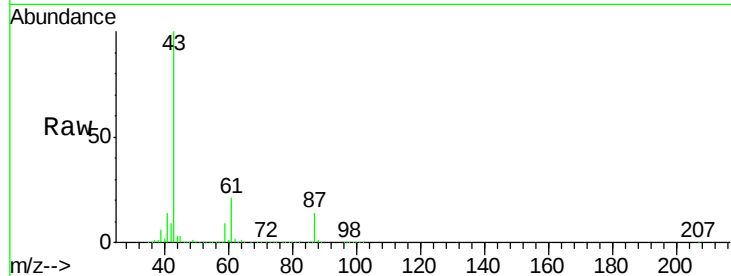
Isopropyl Acetate
 Concen: 122.31 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3665793
 Ion Ratio Lower Upper
 43 100
 61 20.7 14.9 22.3
 87 13.8 10.0 15.0

Manual Integrations
 APPROVED

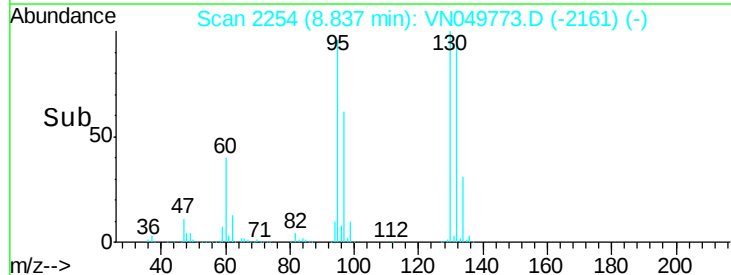
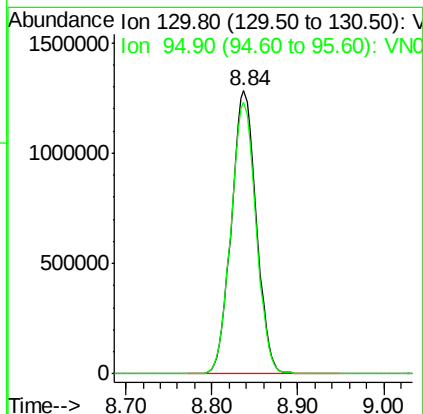
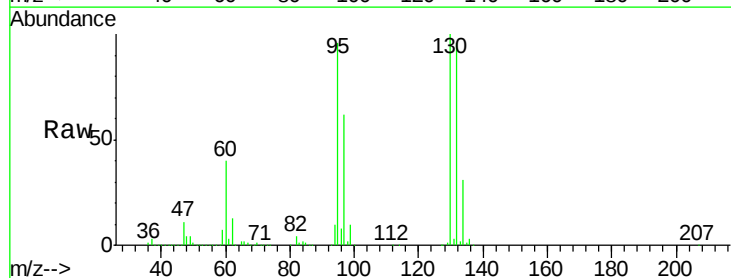
MMDadoda
 7/13/2018 1:35:11 PM

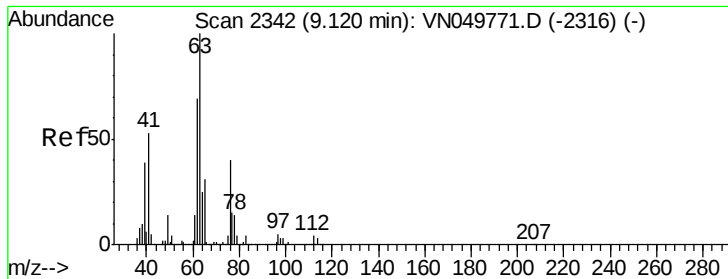


#44

Trichloroethene
 Concen: 129.16 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 130 Resp: 2586522
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 192.8





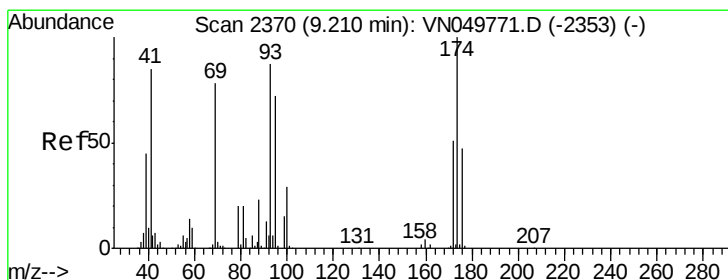
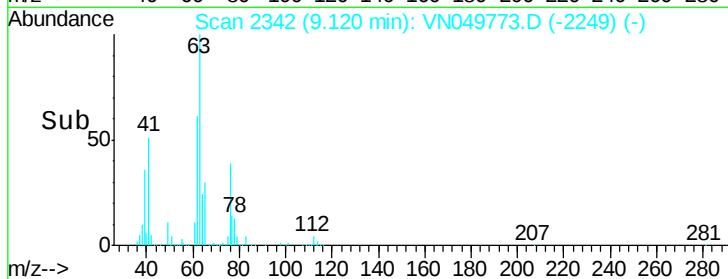
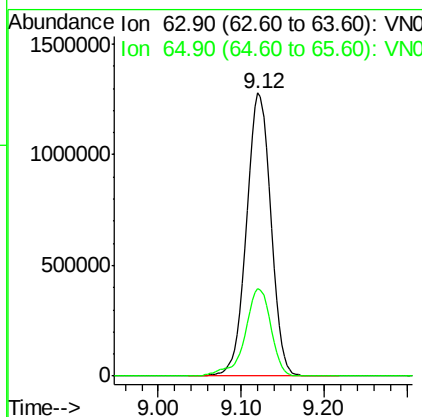
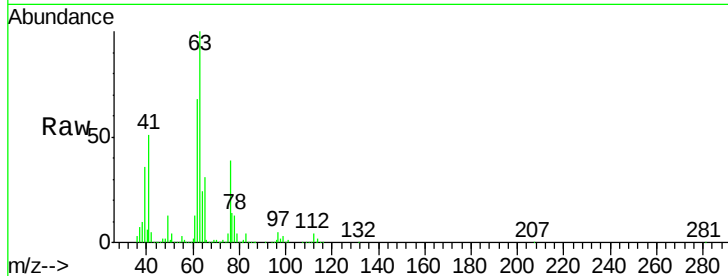
#45
 1,2-Dichloropropane
 Concen: 151.87 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 2605516
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

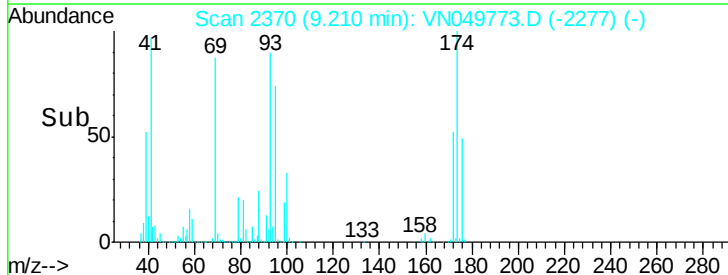
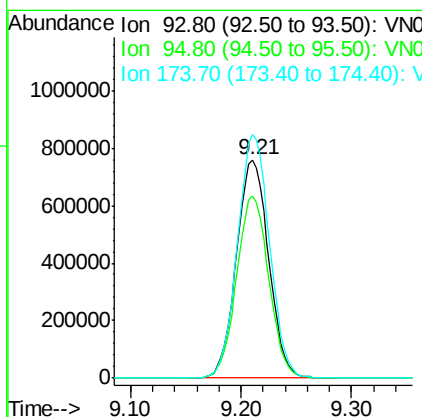
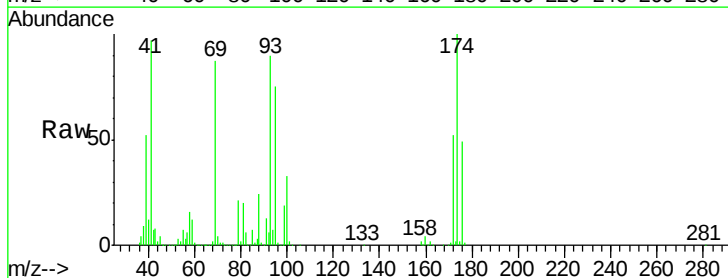
Manual Integrations
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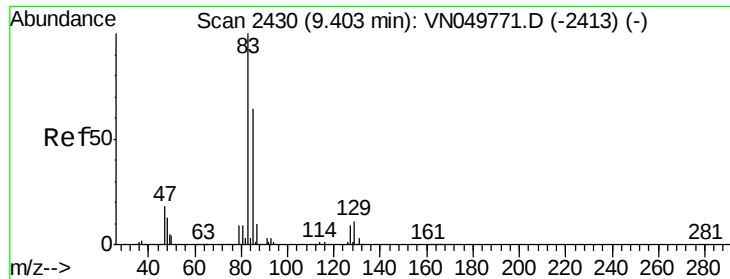
MMDadoda
 7/13/2018 1:35:11 PM



#46
 Dibromomethane
 Concen: 148.23 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 93 Resp: 1538494
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.9 101.9
 174 111.1 89.4 134.0





#47

Bromodichloromethane

Concen: 155.40 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 3433633

Ion Ratio Lower Upper

83 100

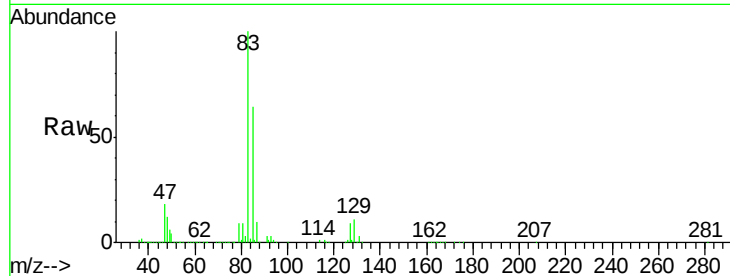
85 63.8 50.5 75.7

127 8.9 6.8 10.2

Manual Integrations
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MMDadoda

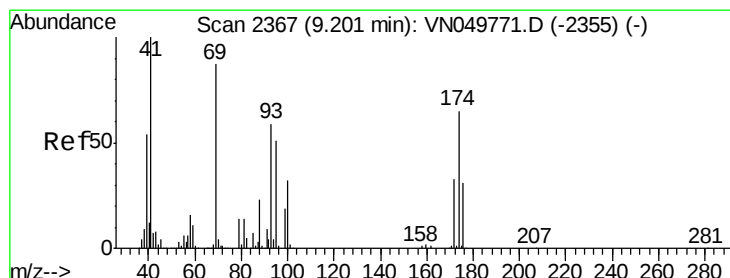
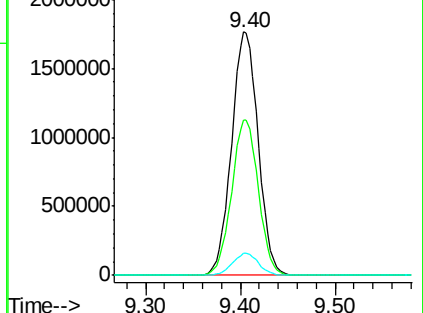
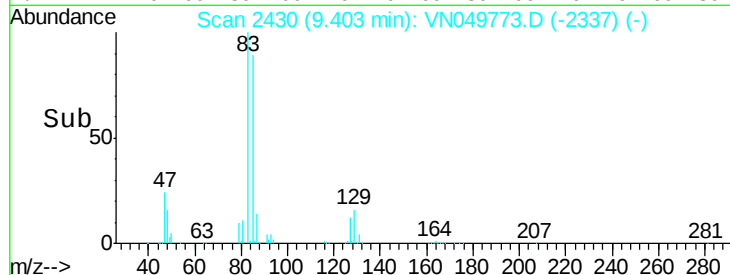
7/13/2018 1:35:11 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049773.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049773.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049773.D (-2337) (-)



#48

Methyl methacrylate

Concen: 169.76 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

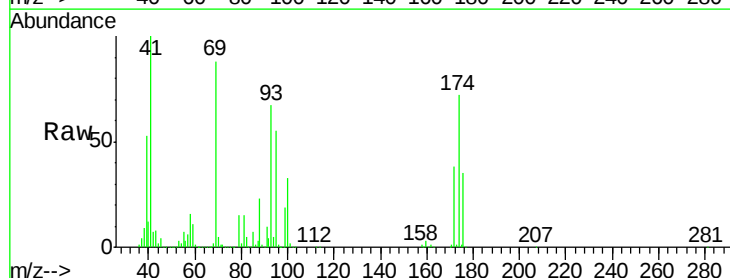
Tgt Ion: 41 Resp: 1913466

Ion Ratio Lower Upper

41 100

69 88.1 71.5 107.3

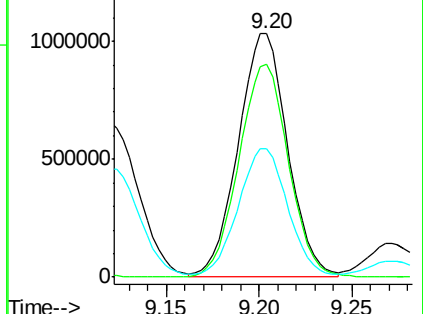
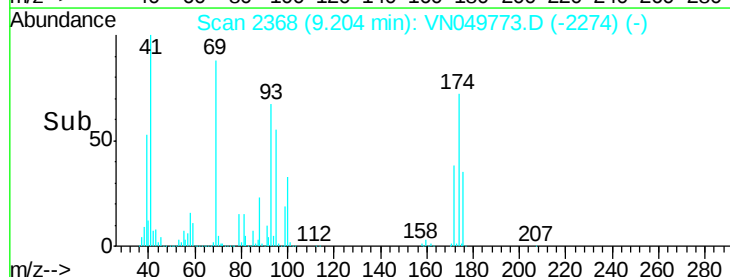
39 53.5 44.7 67.1

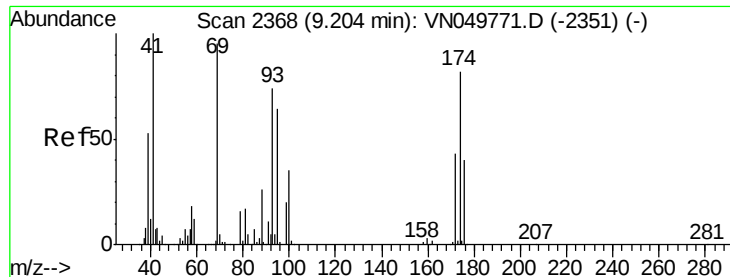


Abundance Ion 41.00 (40.70 to 41.70): VN049773.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049773.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049773.D (-2274) (-)





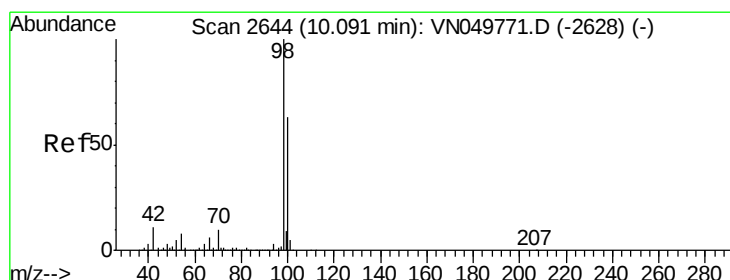
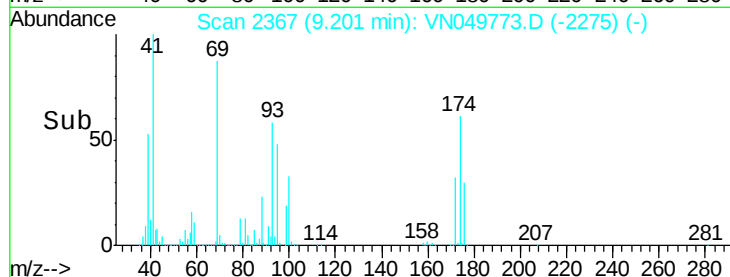
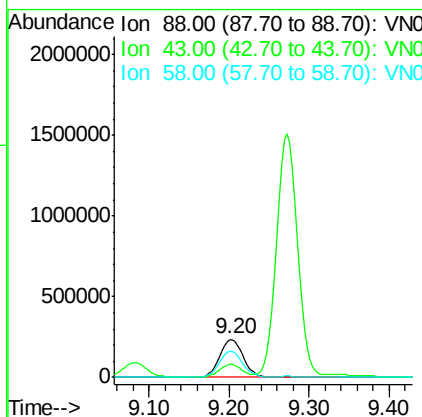
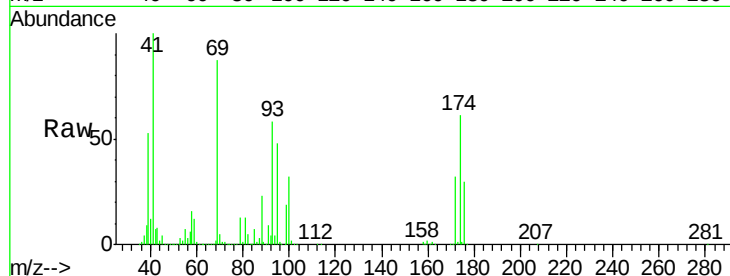
#49
1,4-Dioxane
Concen: 3183.69 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	482449
Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.1	37.7
58	68.1	52.5	78.7

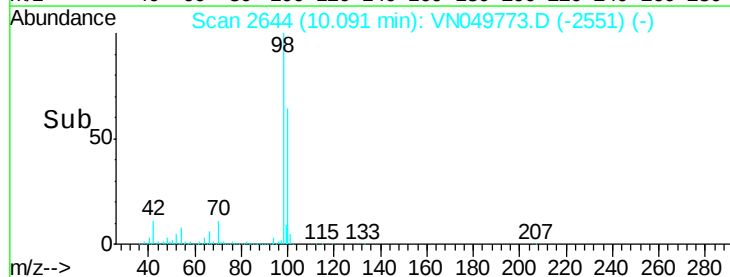
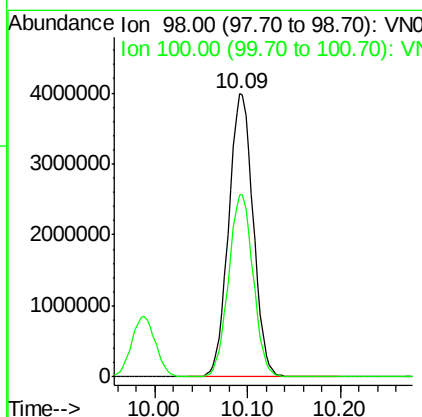
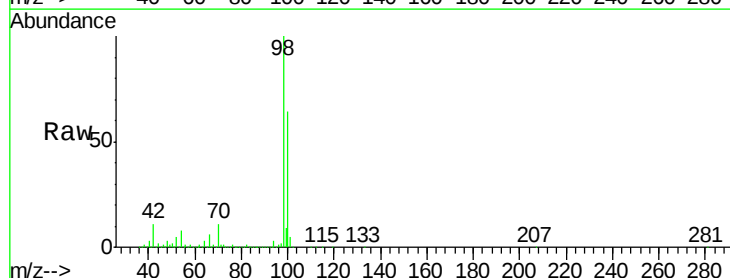
Manual Integrations
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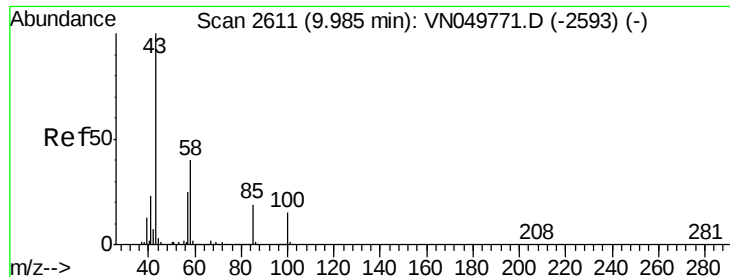
MMDadoda
7/13/2018 1:35:11 PM



#50
Toluene-d8
Concen: 128.99 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	98	Resp	7296215
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





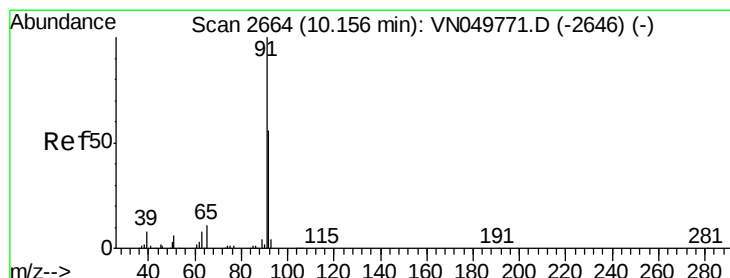
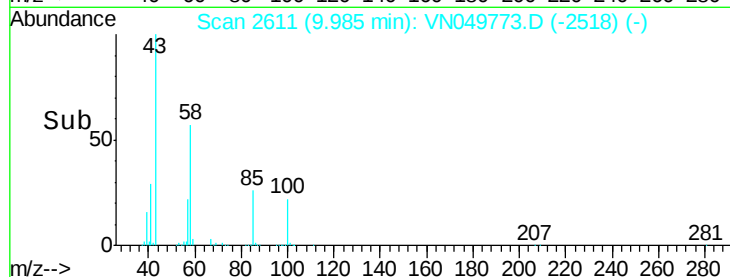
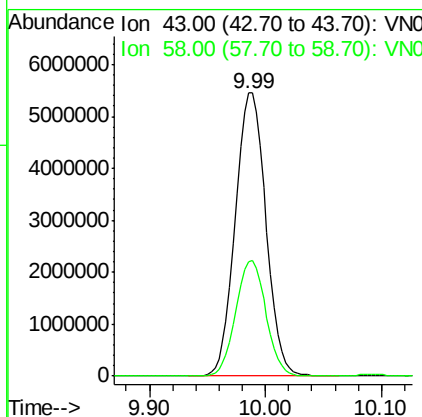
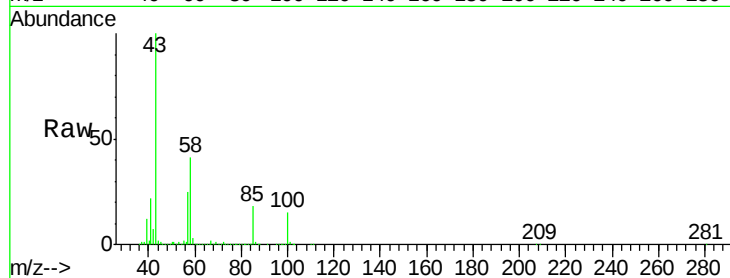
#51
4-Methyl-2-Pentanone
Concen: 800.41 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 9954235
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.8

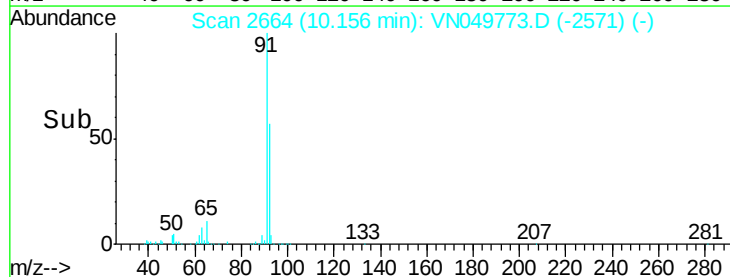
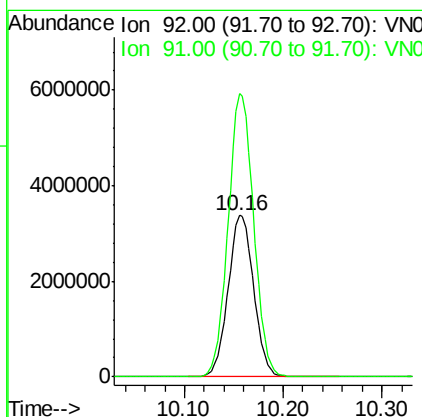
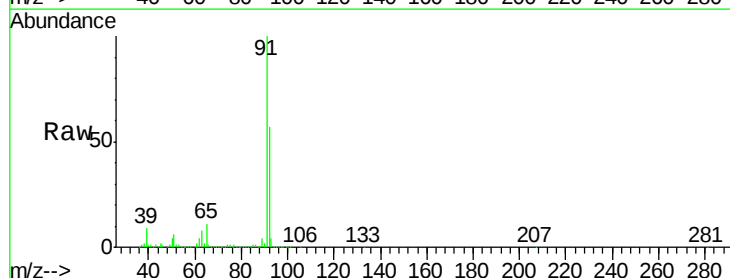
Manual Integrations
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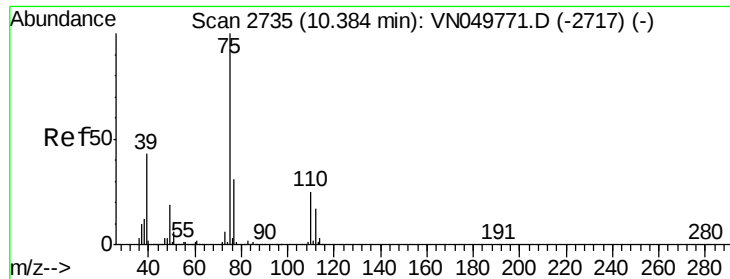
MMDadoda
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#52
Toluene
Concen: 152.23 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 92 Resp: 6106989
Ion Ratio Lower Upper
92 100
91 175.7 140.1 210.1





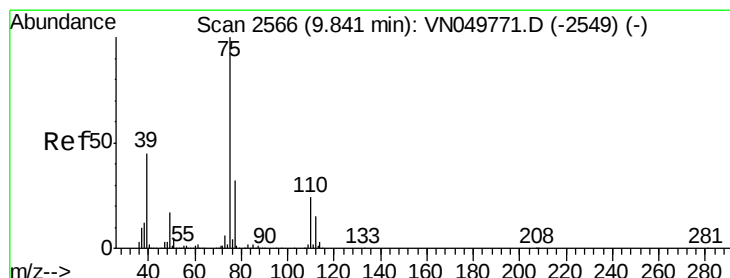
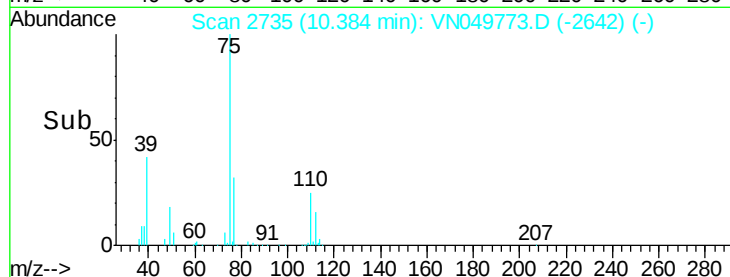
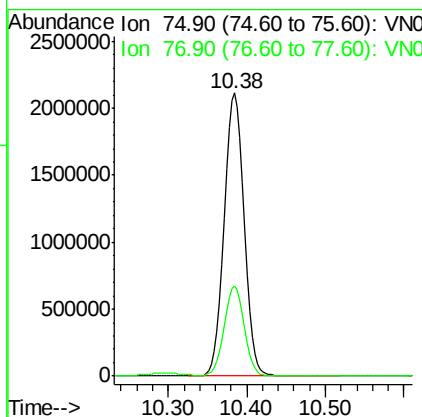
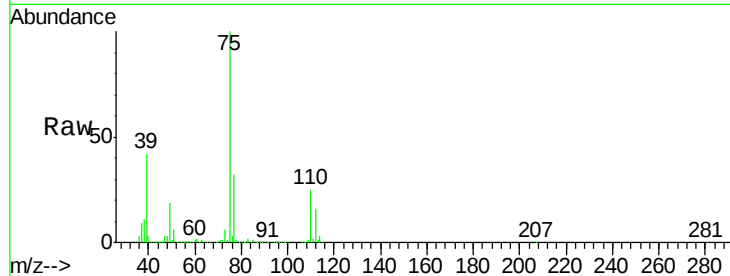
#53
t-1,3-Dichloropropene
Concen: 174.35 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 3688645
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

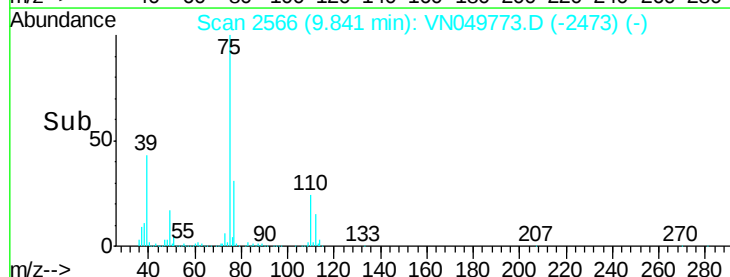
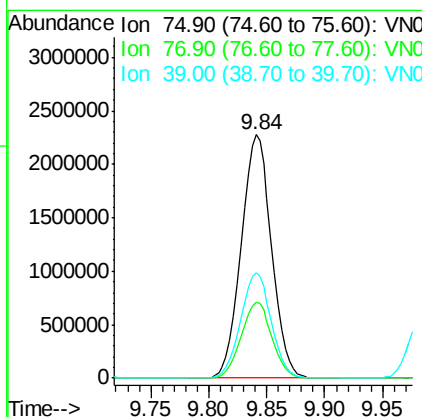
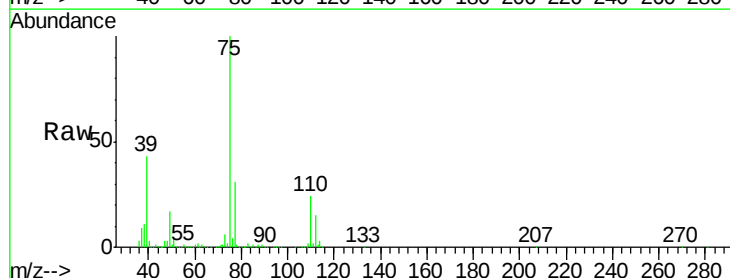
Manual Integrations
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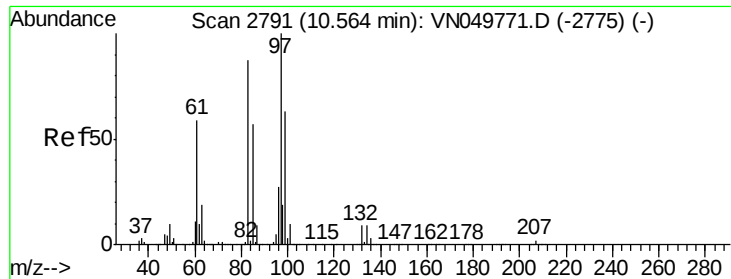
MMDadoda
7/13/2018 1:35:11 PM



#54
cis-1,3-Dichloropropene
Concen: 166.78 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 75 Resp: 4123844
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 43.3 35.5 53.3





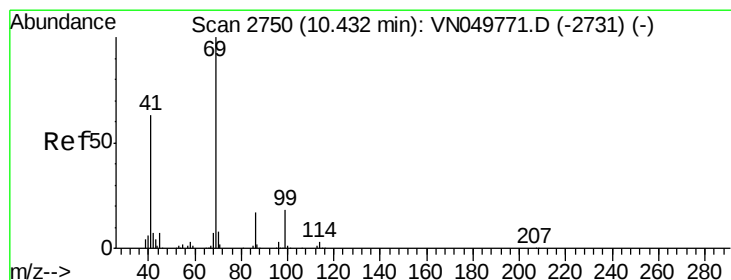
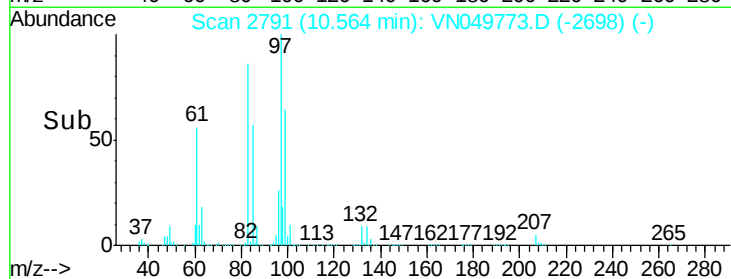
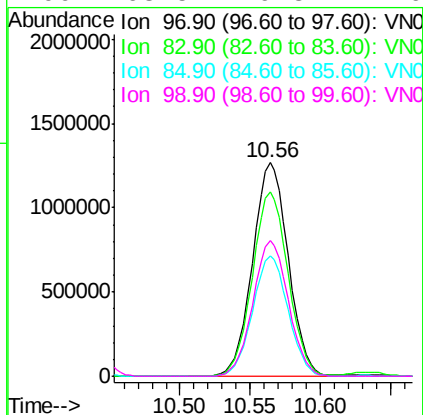
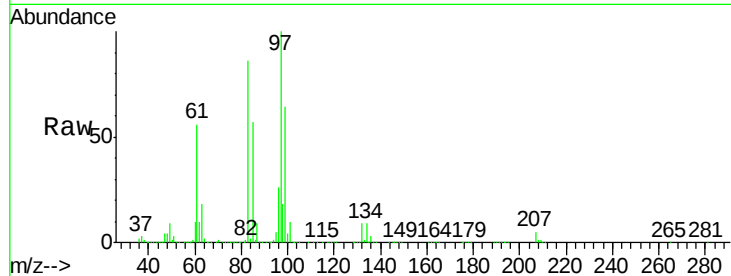
#55
 1,1,2-Trichloroethane
 Concen: 150.17 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.1	69.0	103.6	
85	56.5	44.9	67.3	
99	63.5	49.8	74.6	

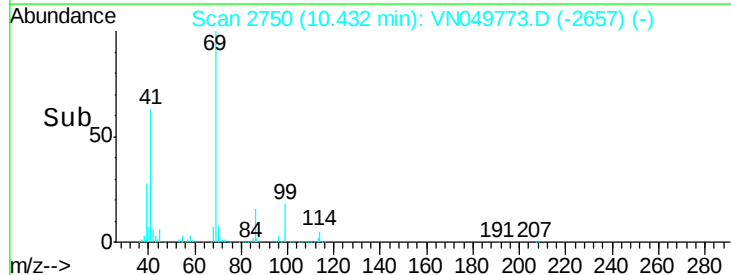
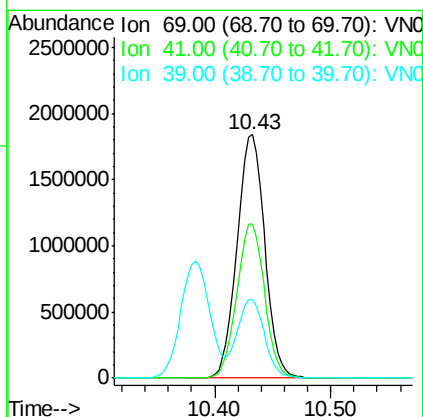
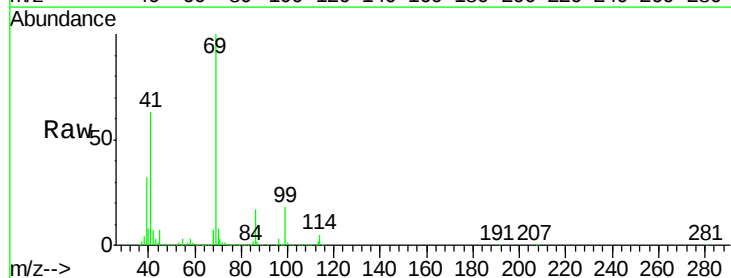
Manual Integrations
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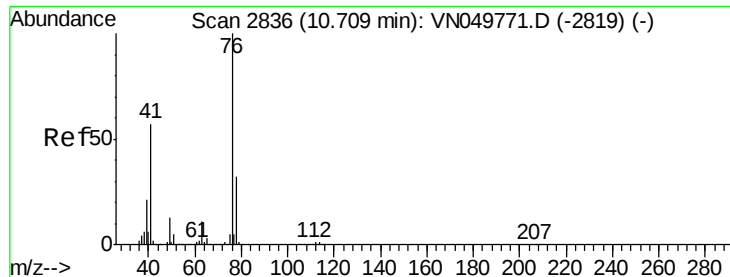
MMDadoda
 7/13/2018 1:35:11 PM



#56
 Ethyl methacrylate
 Concen: 173.97 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.9	51.6	77.4	
39	31.6	25.8	38.8	





#57

1,3-Dichloropropane

Concen: 155.31 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 3761957

Ion Ratio Lower Upper

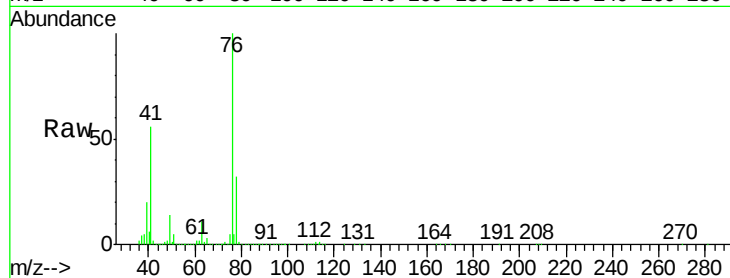
76 100

78 32.3 25.8 38.8

Manual Integrations
APPROVED

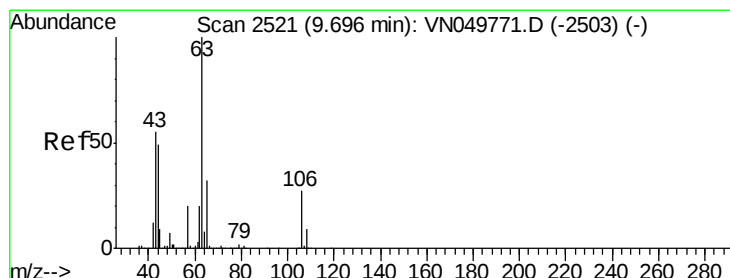
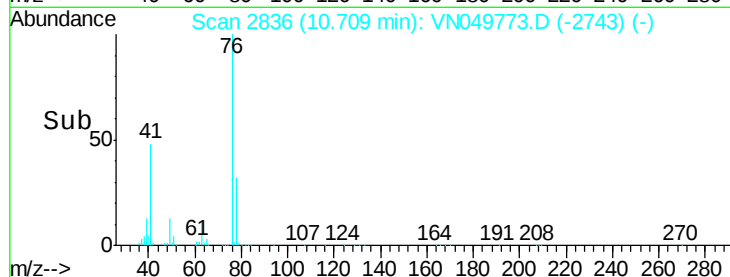
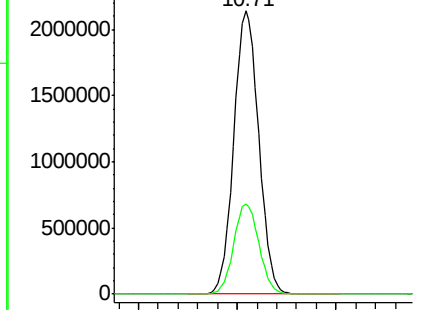
MMDadoda

7/13/2018 1:35:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VN049773.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN049773.D (-2743) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 878.48 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049773.D

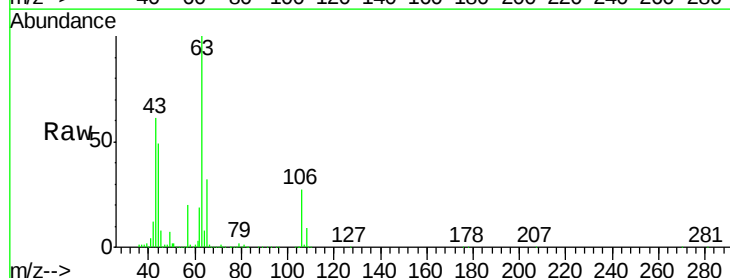
Acq: 12 Jul 2018 12:58

Tgt Ion: 63 Resp: 7160421

Ion Ratio Lower Upper

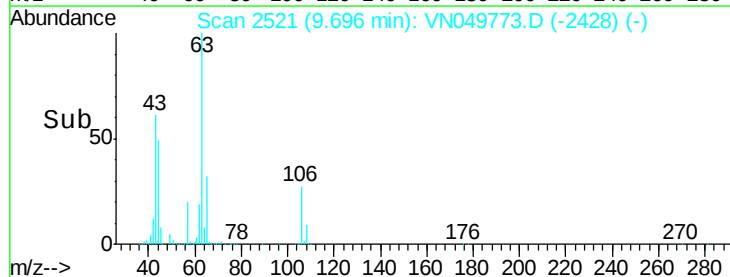
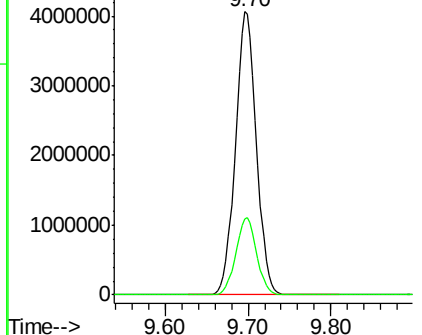
63 100

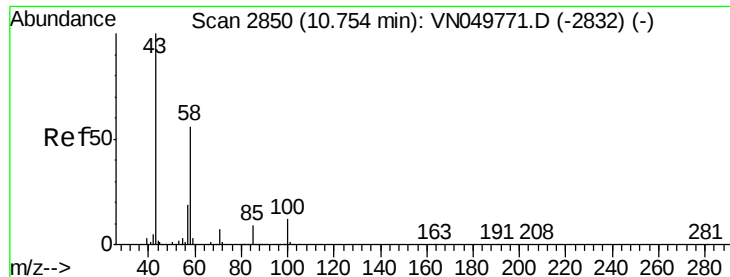
106 27.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN049773.D (-2428) (-)

Ion 105.90 (105.60 to 106.60): VN049773.D (-2428) (-)





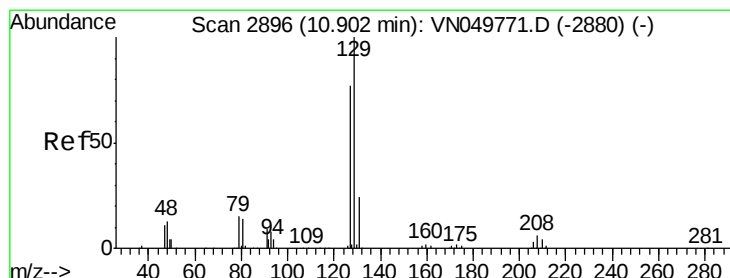
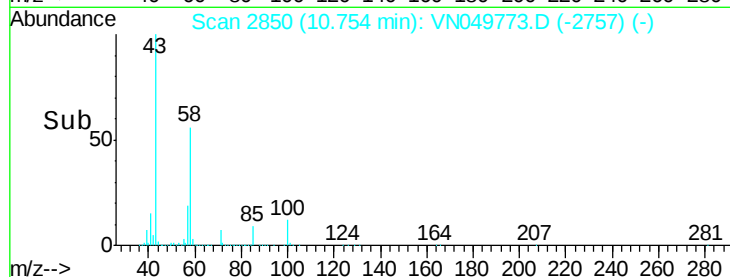
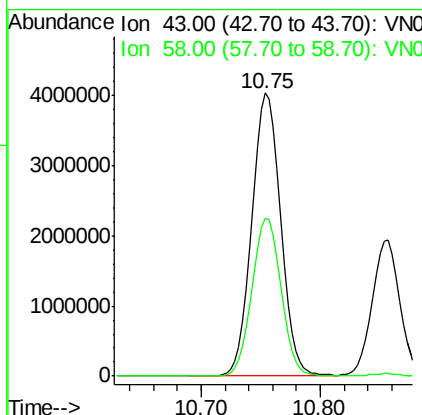
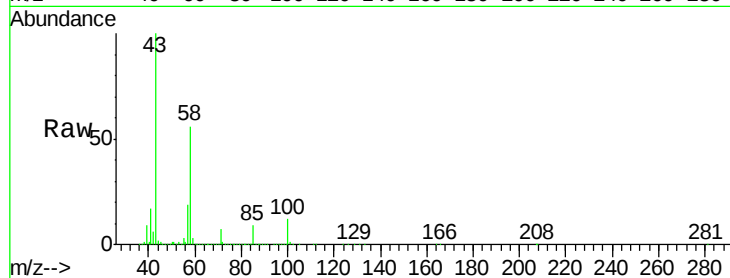
#59
2-Hexanone
Concen: 826.17 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 6794164
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4

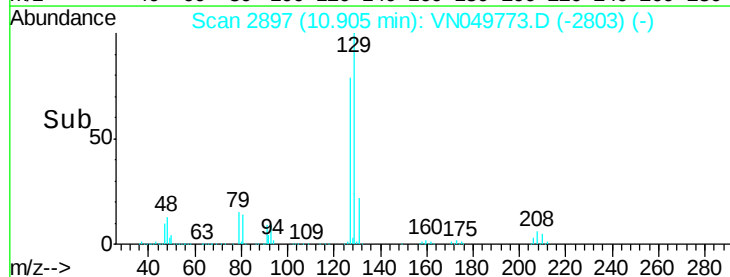
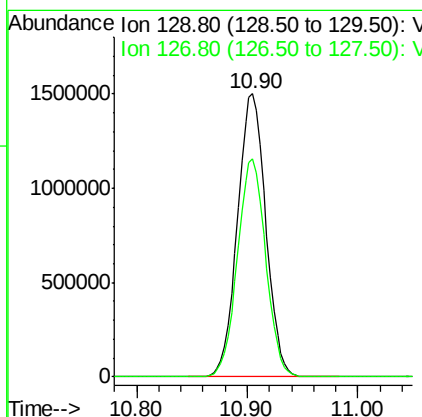
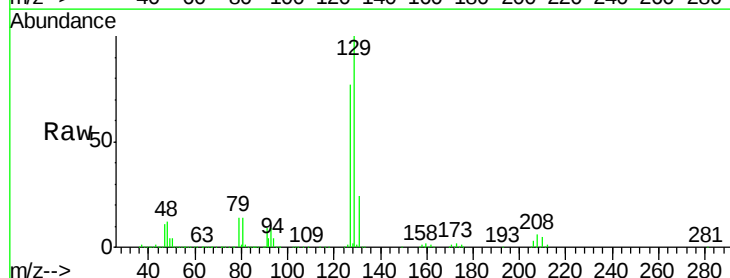
Manual Integrations
APPROVED

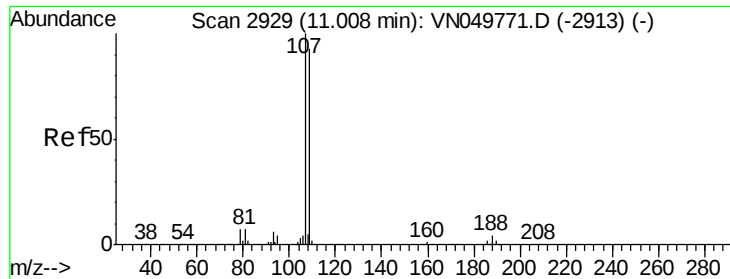
MMDadoda
7/13/2018 1:35:11 PM



#60
Dibromochloromethane
Concen: 165.19 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 129 Resp: 2667003
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





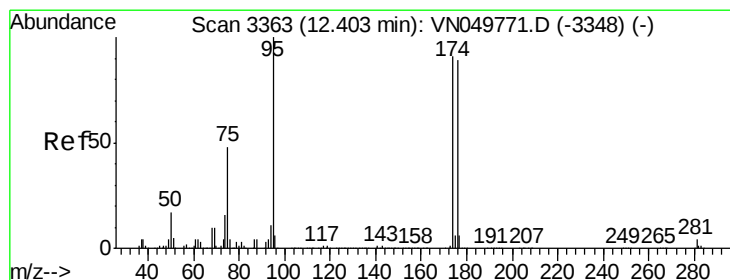
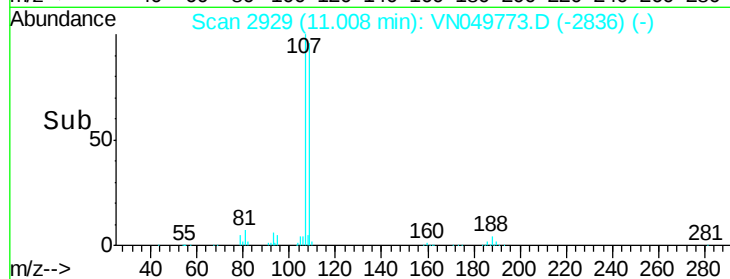
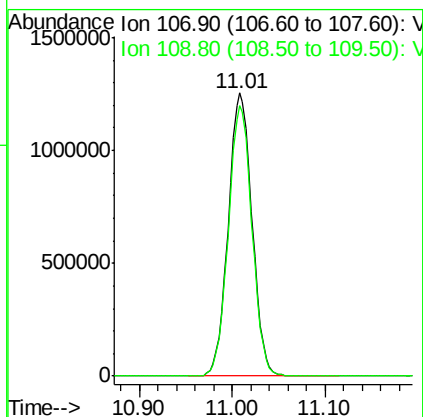
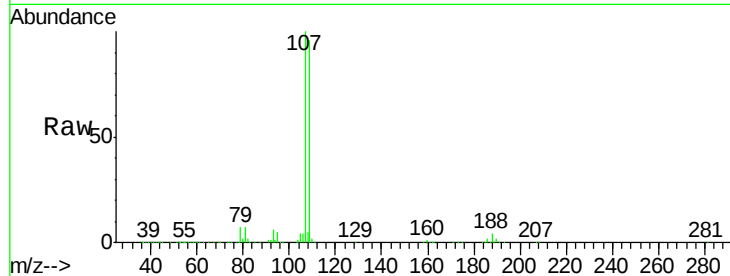
#61
 1,2-Dibromoethane
 Concen: 155.18 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:107 Resp: 2220972
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.6

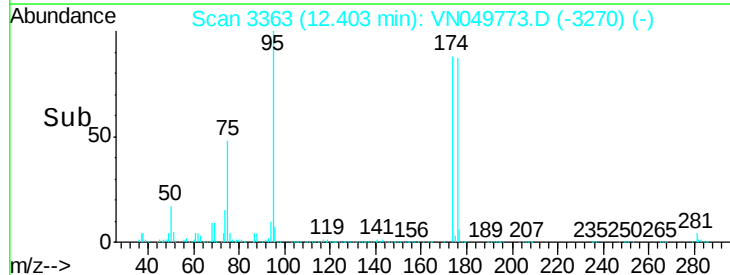
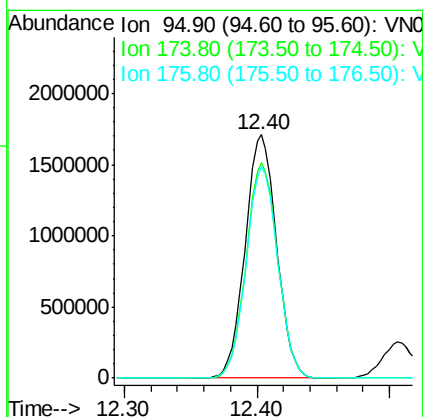
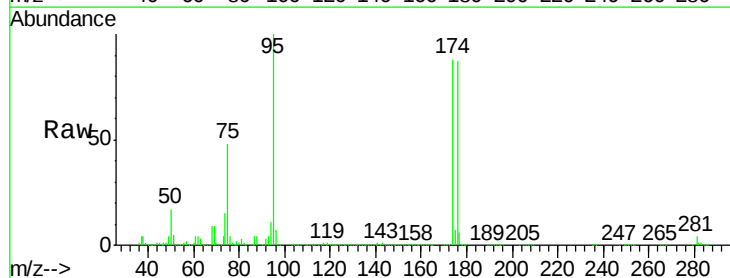
Manual Integrations
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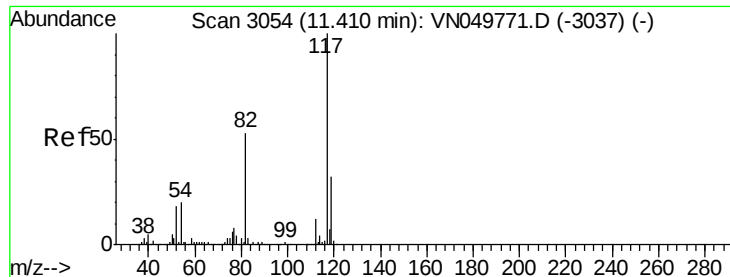
MMDadoda
 7/13/2018 1:35:11 PM



#62
 4-Bromofluorobenzene
 Concen: 145.45 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 95 Resp: 2808936
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 179.6
 176 87.3 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:117 Resp: 1803629

Ion Ratio Lower Upper

117 100

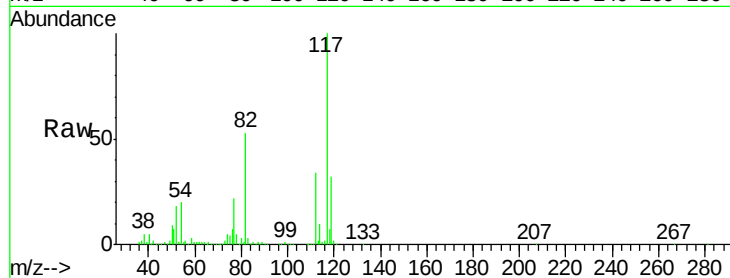
82 53.3 41.9 62.9

119 32.3 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

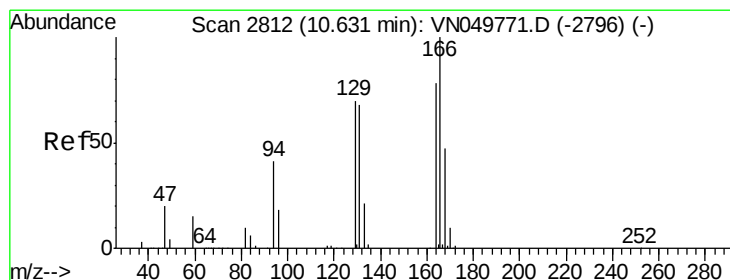
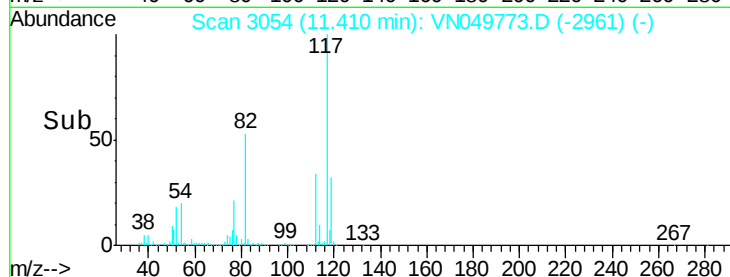
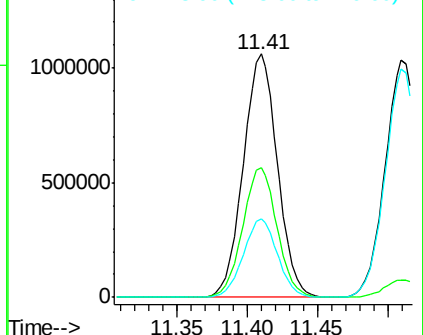
7/13/2018 1:35:11 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 93.15 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion:164 Resp: 2274781

Ion Ratio Lower Upper

164 100

166 128.9 101.8 152.6

129 90.5 72.8 109.2

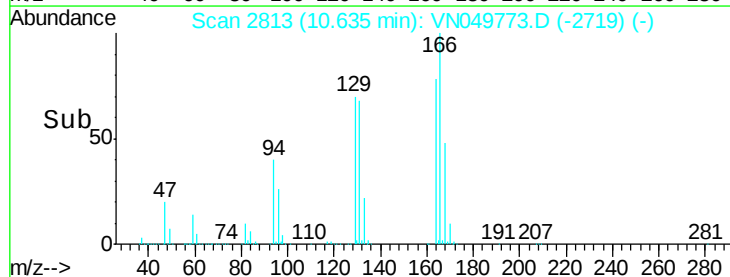
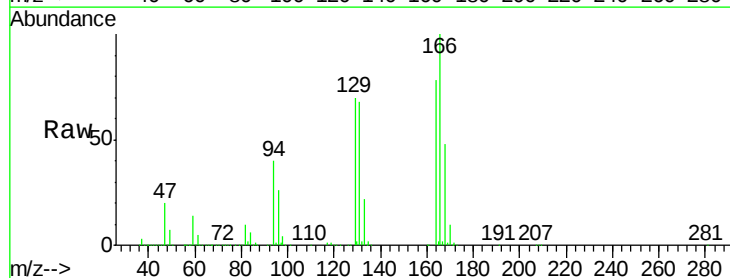
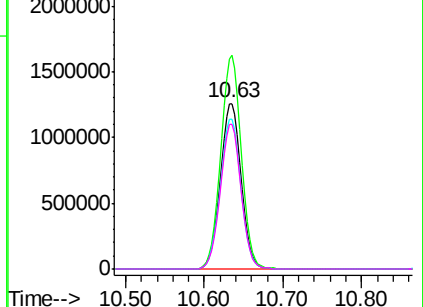
131 87.5 70.0 105.0

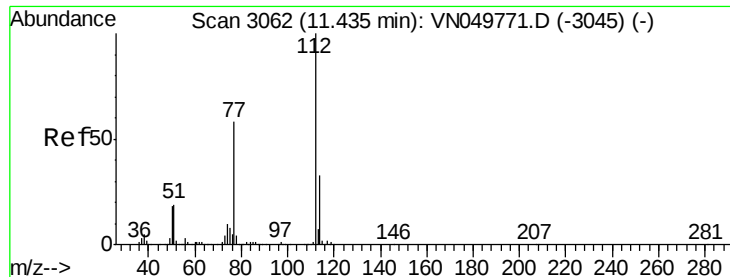
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 145.48 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 6844734

Ion Ratio Lower Upper

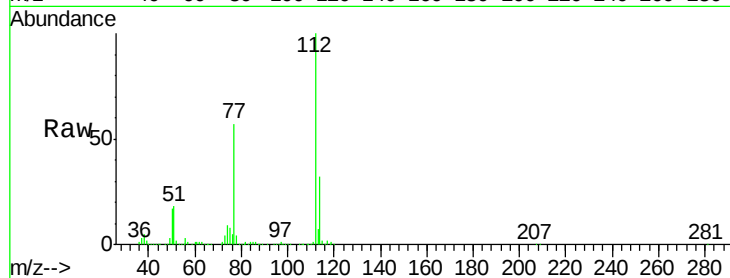
112 100

114 31.8 25.4 38.0

Manual Integrations
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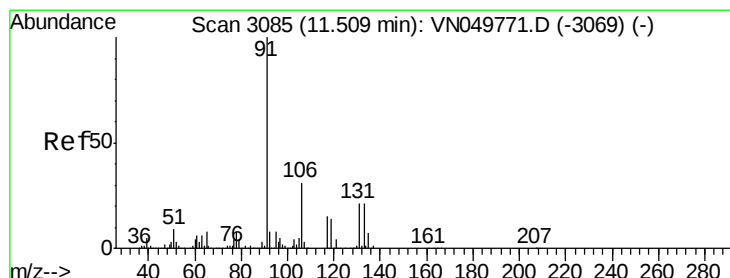
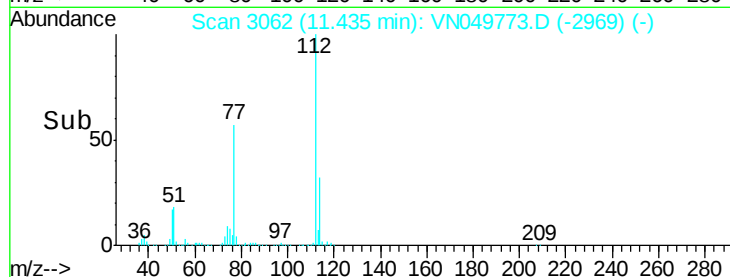
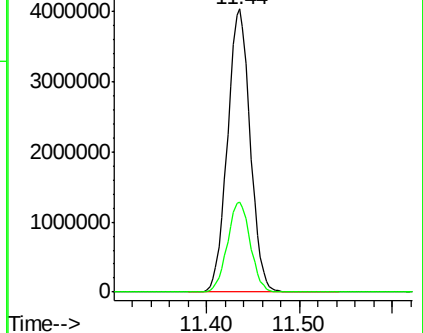
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 153.89 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

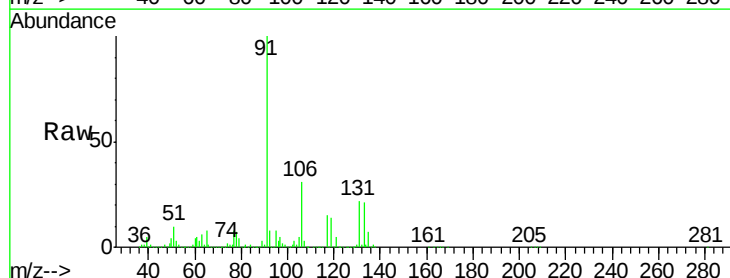
Tgt Ion:131 Resp: 2601769

Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.6

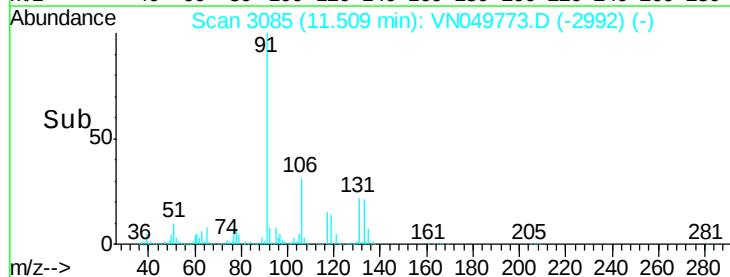
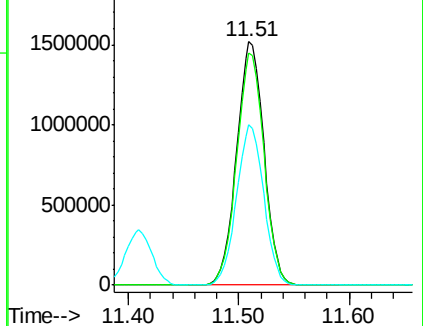
119 65.7 33.1 99.3

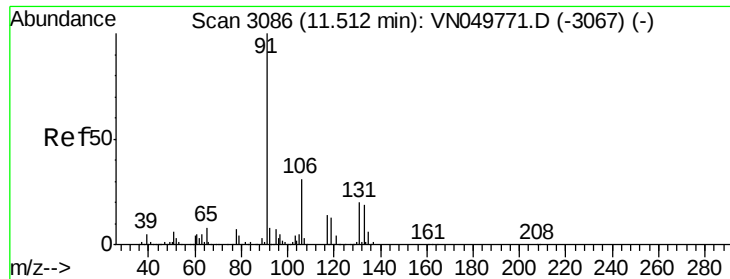


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





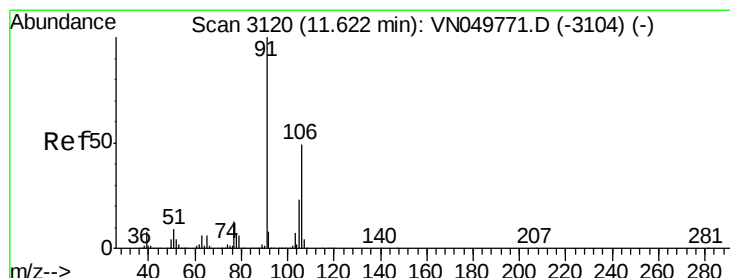
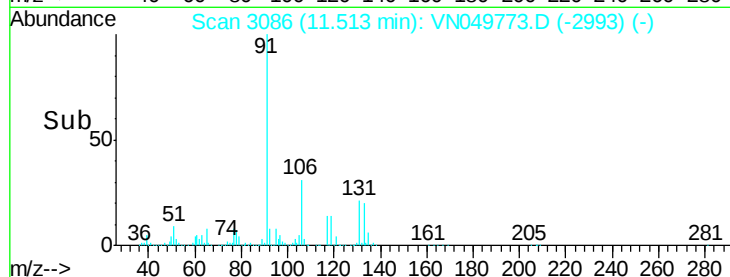
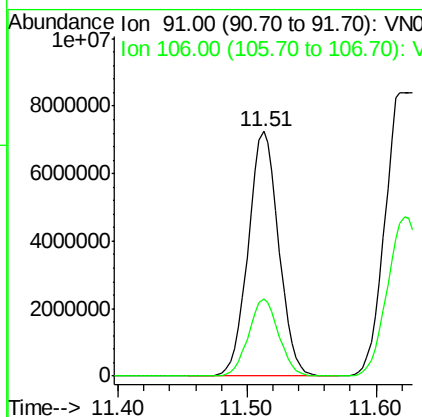
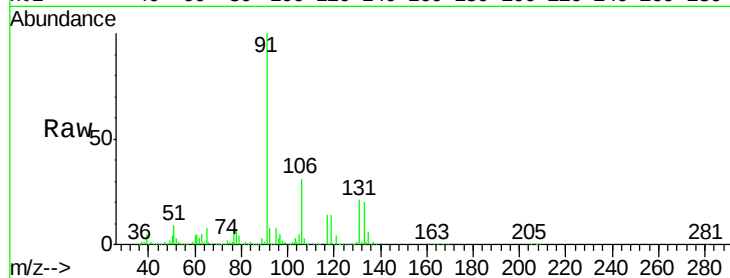
#67
Ethyl Benzene
Concen: 153.22 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 11917184
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

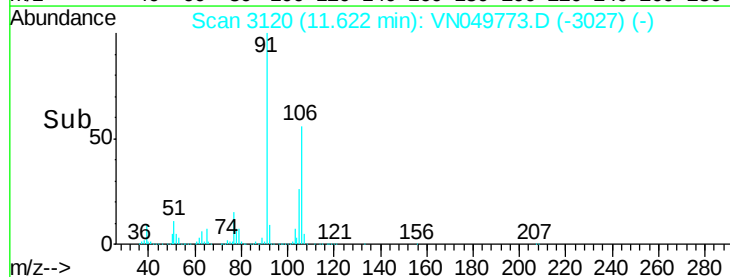
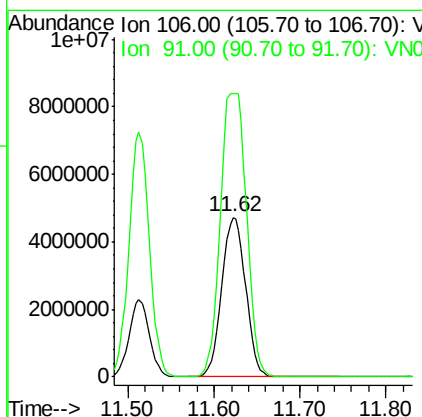
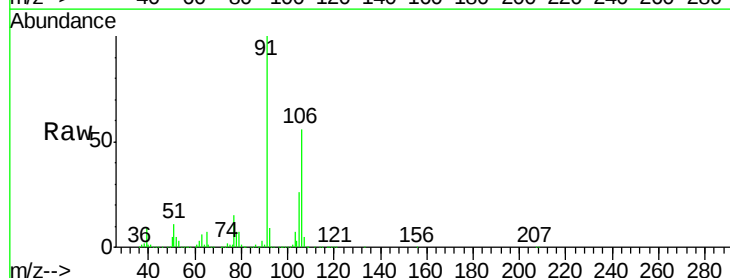
Manual Integrations
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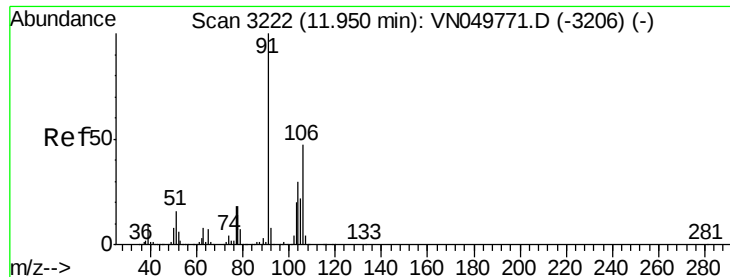
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#68
m/p-Xylenes
Concen: 305.33 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 106 Resp: 9101017
Ion Ratio Lower Upper
106 100
91 195.0 163.4 245.2





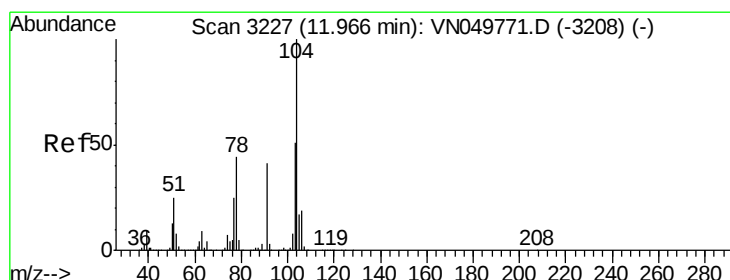
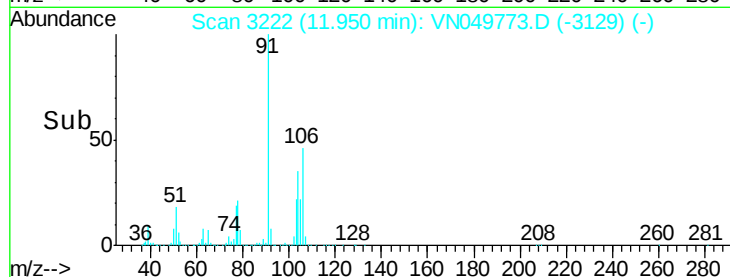
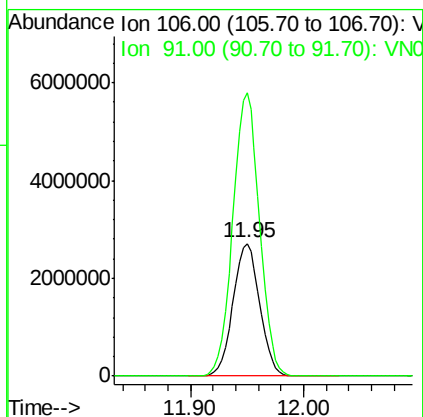
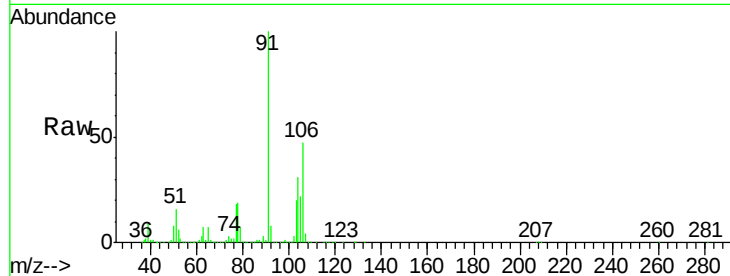
#69
o-Xylene
Concen: 155.57 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 4439414
Ion Ratio Lower Upper
106 100
91 213.0 108.7 326.1

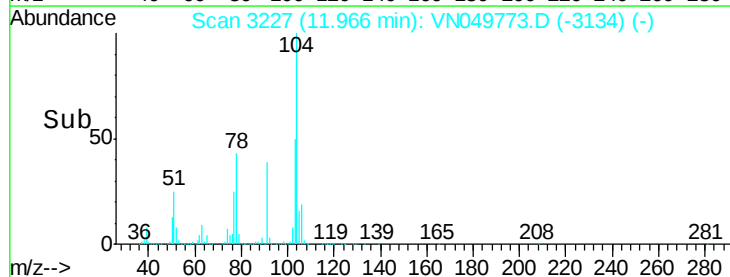
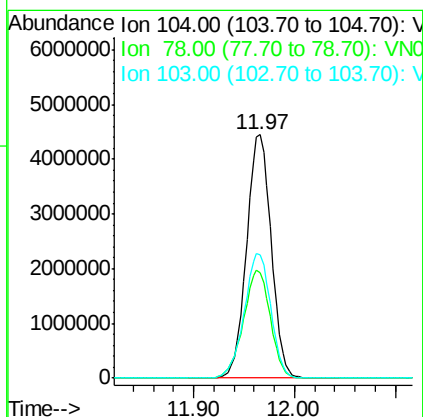
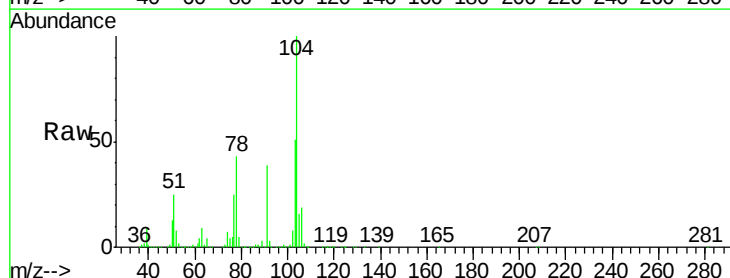
Manual Integrations
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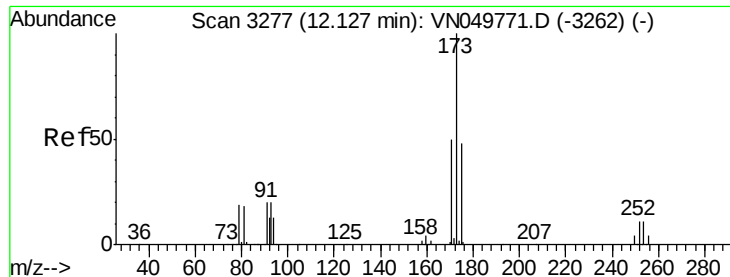
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#70
Styrene
Concen: 161.38 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion:104 Resp: 7451532
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.3 44.6 67.0





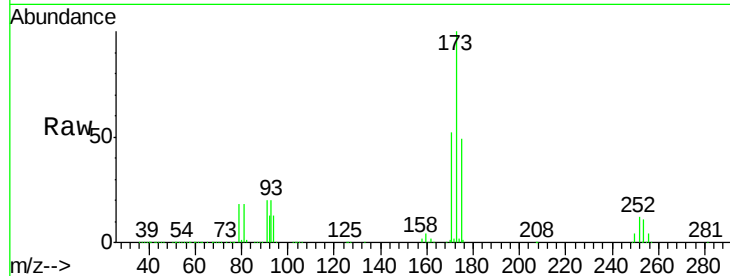
#71
Bromoform
Concen: 166.67 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

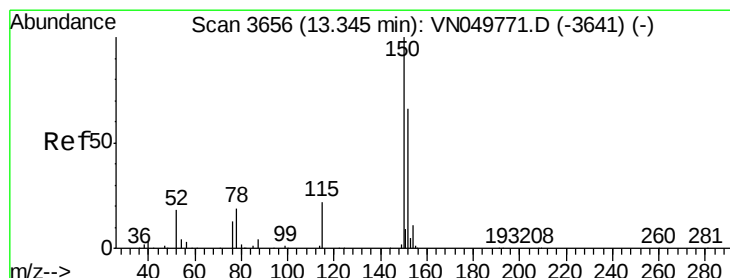
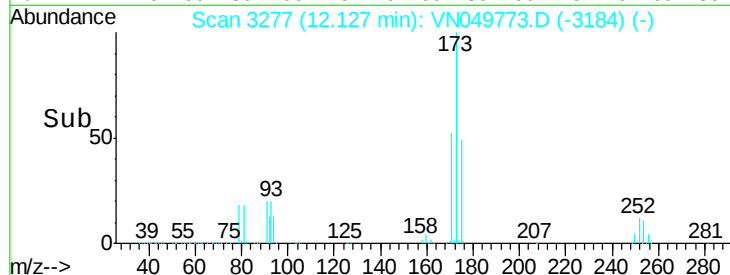
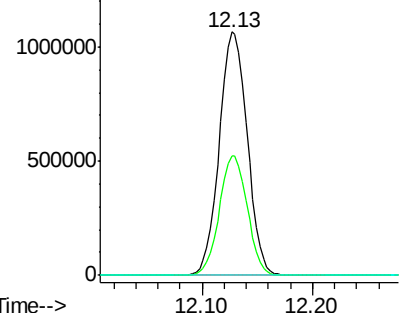
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
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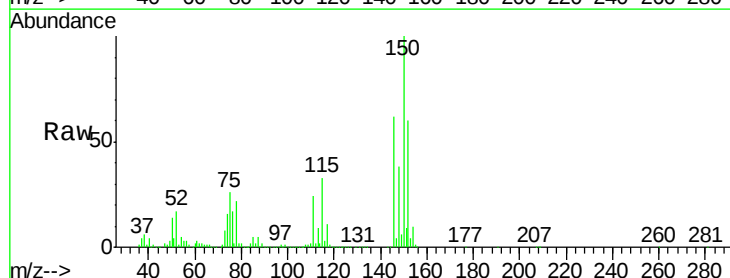


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

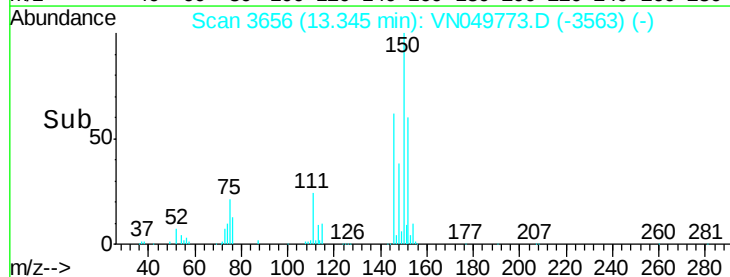
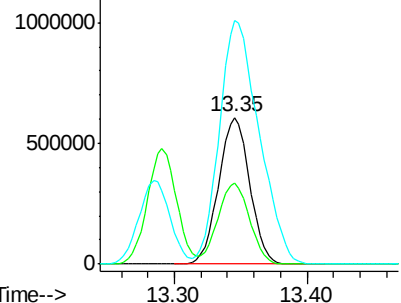


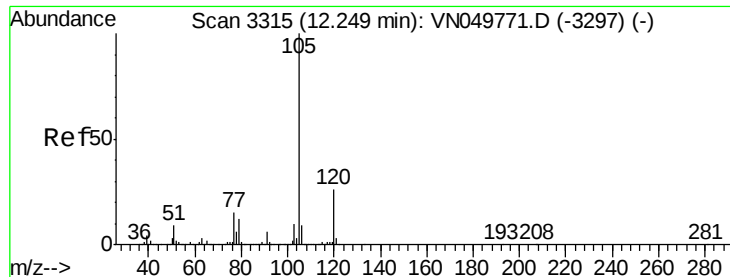
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	211.7	0.0	347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.39 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp:11833317

Ion Ratio Lower Upper

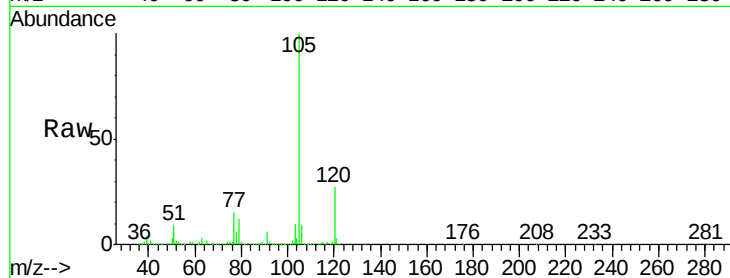
105 100

120 26.6 13.3 39.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

8000000

6000000

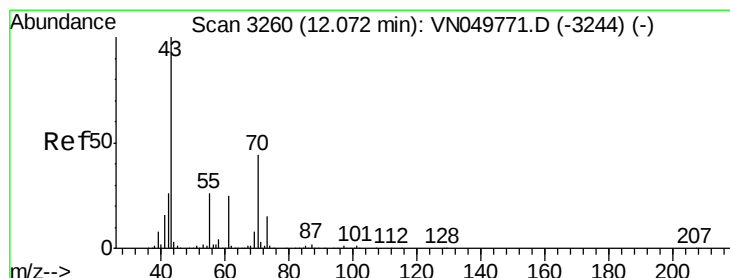
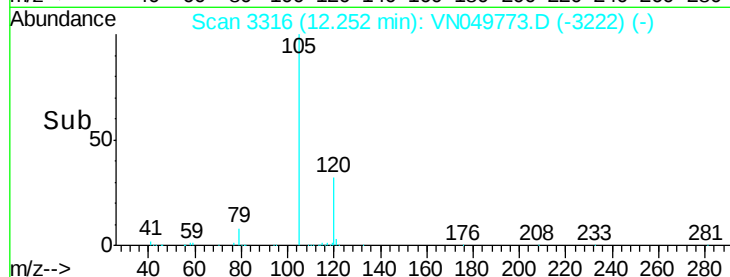
4000000

2000000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 154.15 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion: 43 Resp: 3312996

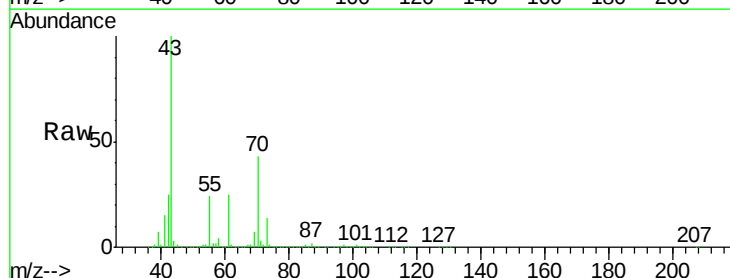
Ion Ratio Lower Upper

43 100

70 43.6 34.8 52.2

55 24.5 20.9 31.3

61 25.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

3000000

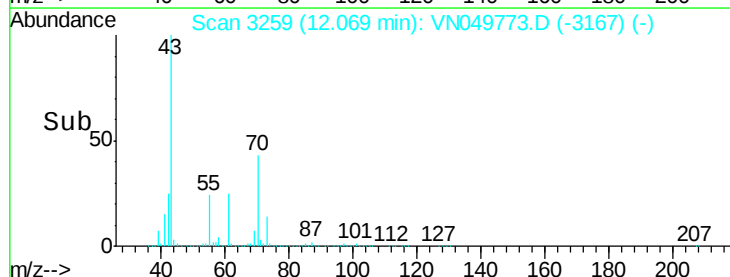
2000000

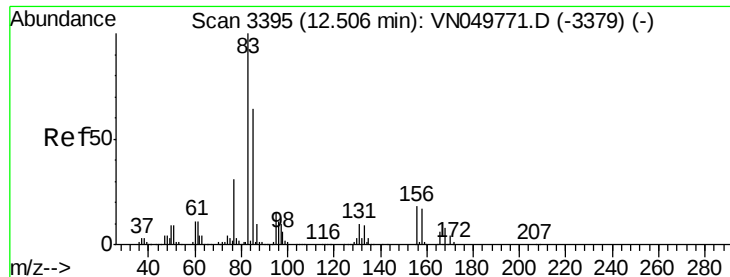
1000000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 148.31 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2755521

Ion Ratio Lower Upper

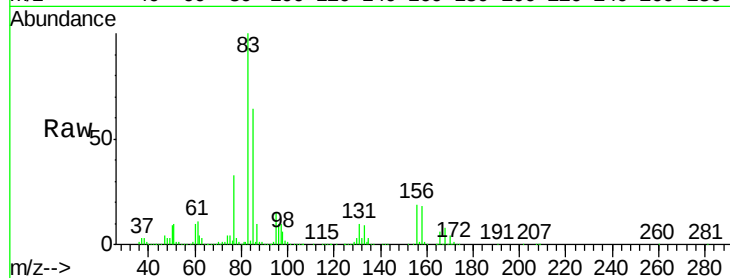
83 100

131 10.7 5.2 15.6

85 64.7 32.5 97.4

Manual Integrations
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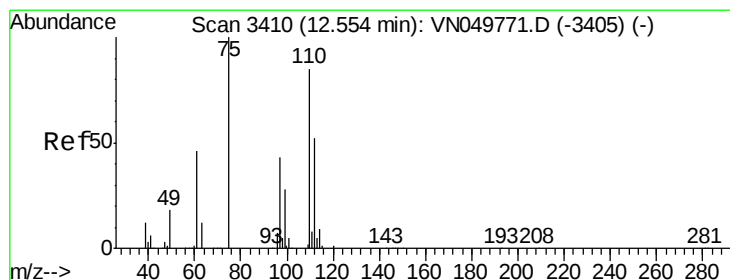
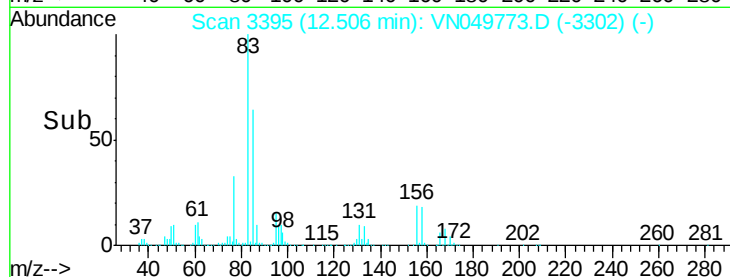
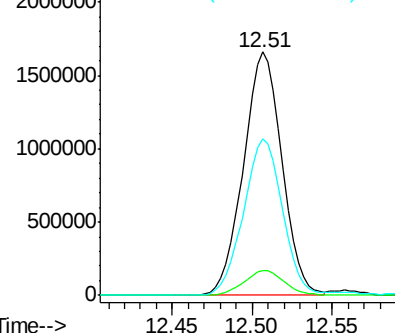
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN049773.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049773.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049773.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 150.05 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049773.D

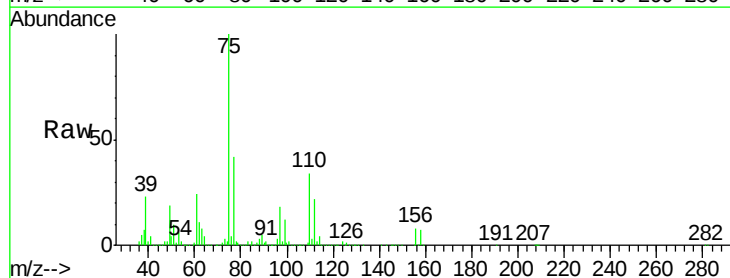
Acq: 12 Jul 2018 12:58

Tgt Ion: 75 Resp: 2377117

Ion Ratio Lower Upper

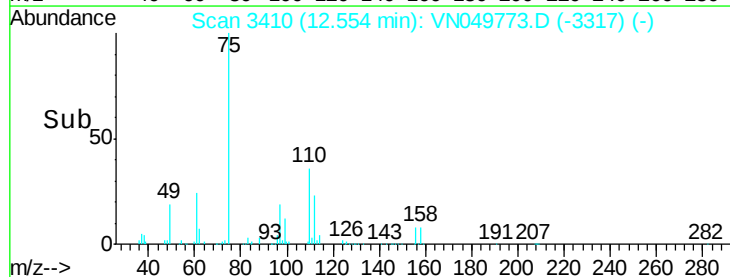
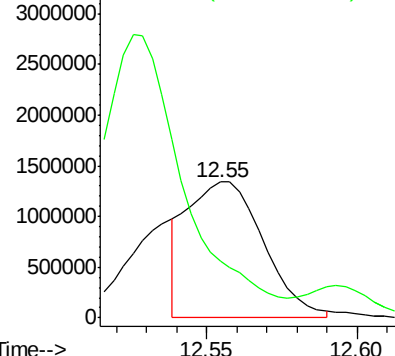
75 100

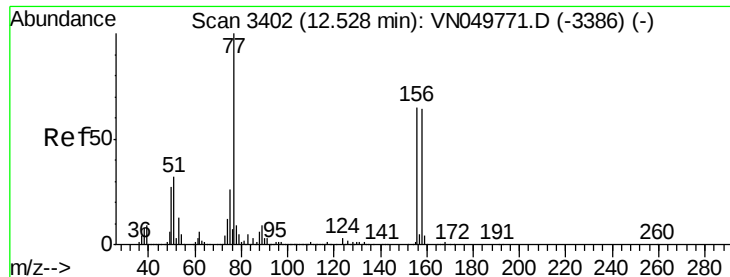
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049773.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049773.D (-3405) (-)





#77

Bromobenzene

Concen: 141.70 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 3031727

Ion Ratio Lower Upper

156 100

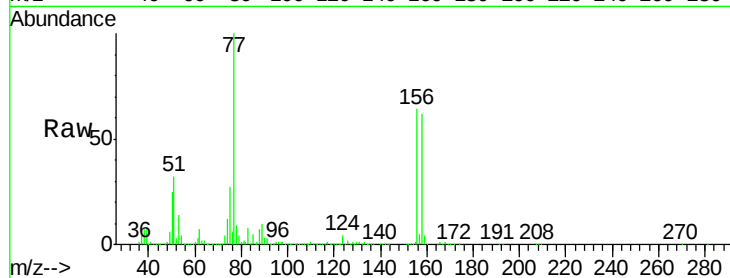
77 182.0 90.2 270.6

158 97.6 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

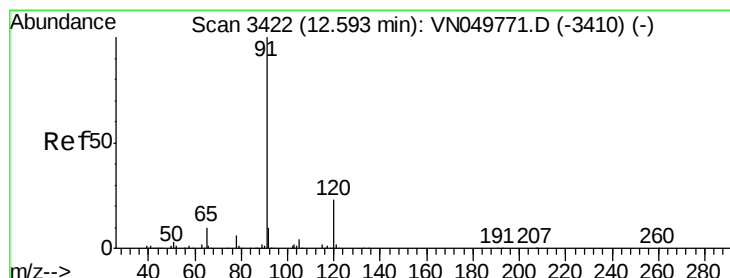
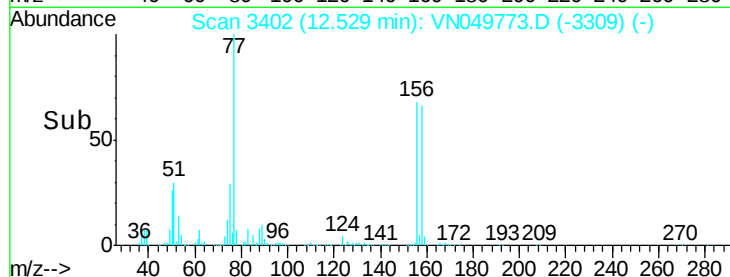
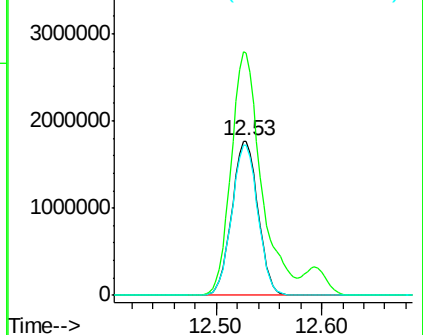
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 150.52 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049773.D

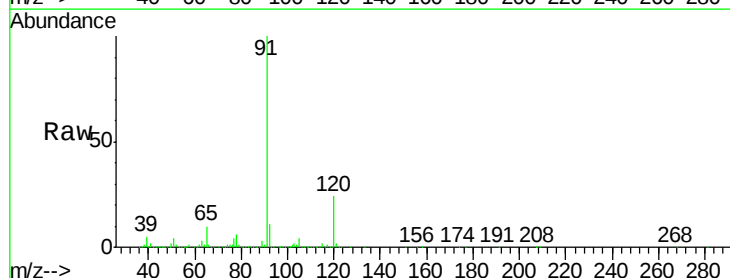
Acq: 12 Jul 2018 12:58

Tgt Ion: 91 Resp:13573131

Ion Ratio Lower Upper

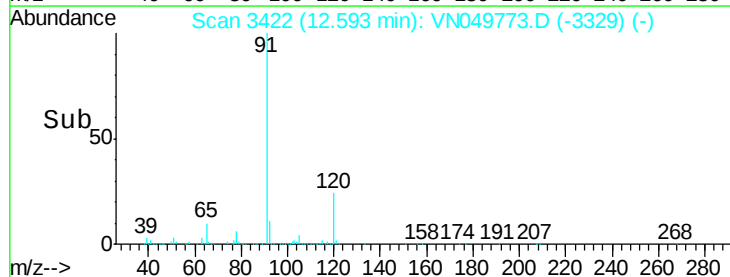
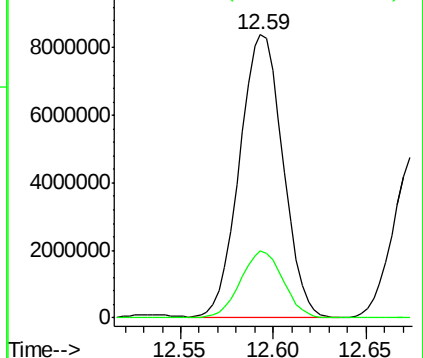
91 100

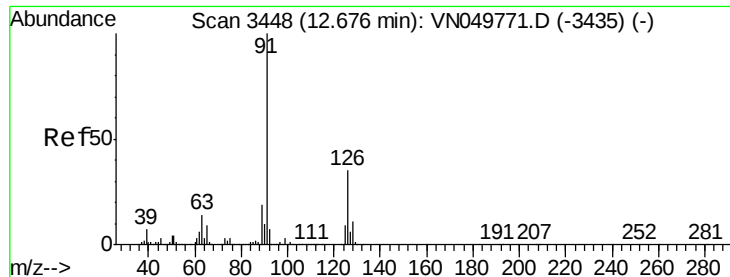
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





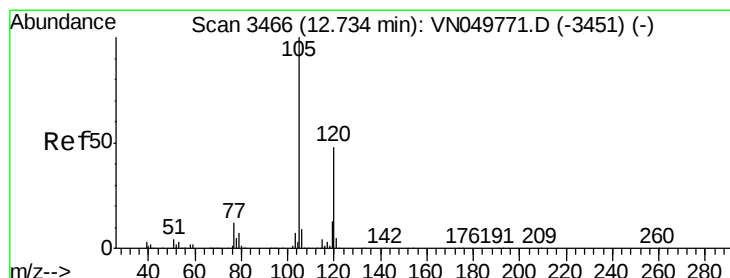
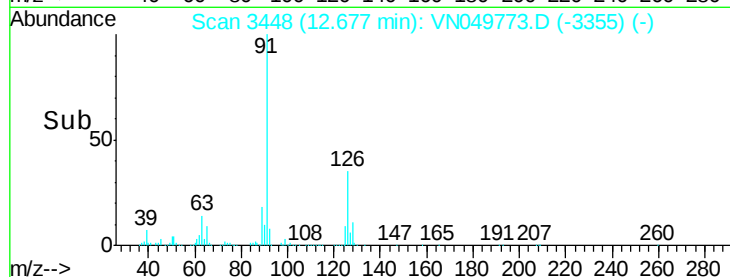
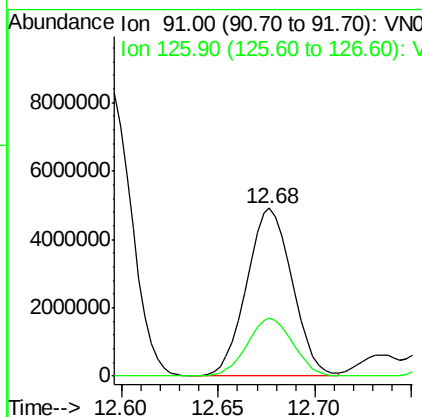
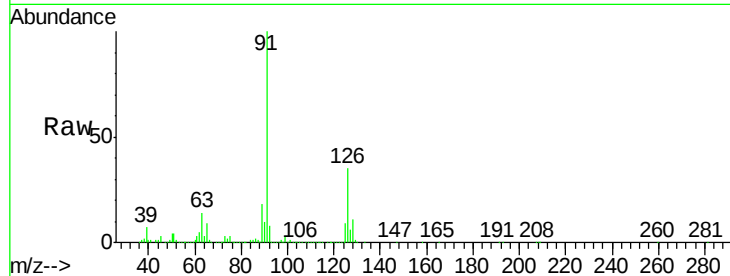
#79
 2-Chlorotoluene
 Concen: 140.78 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 8034364
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.5 52.5

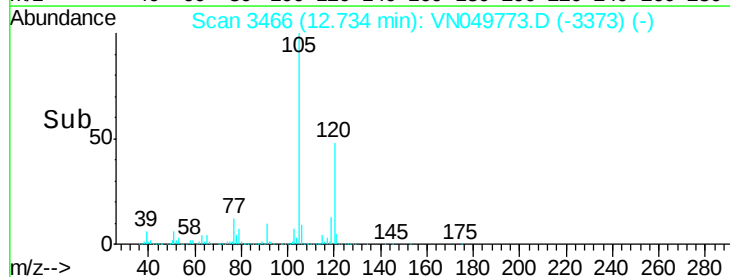
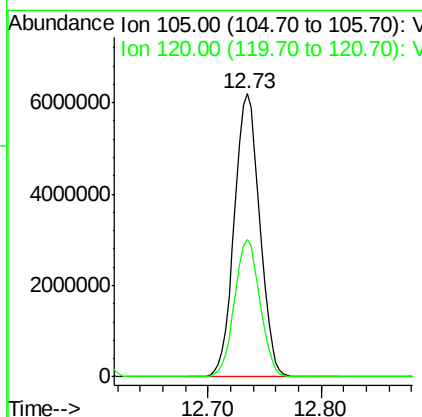
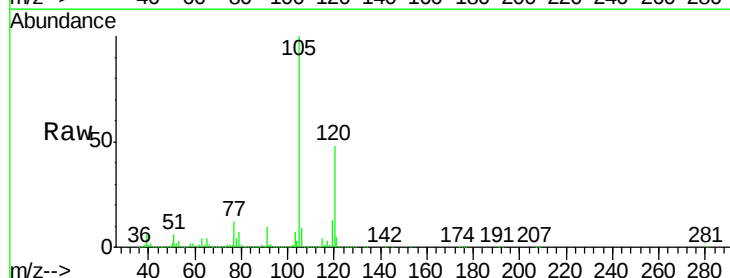
Manual Integrations
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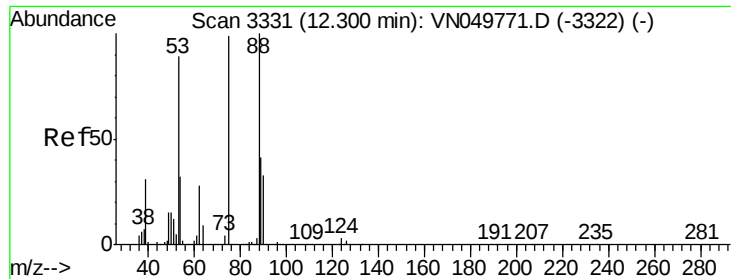
MMDadoda
 7/13/2018 1:35:11 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 147.98 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 105 Resp: 9675585
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





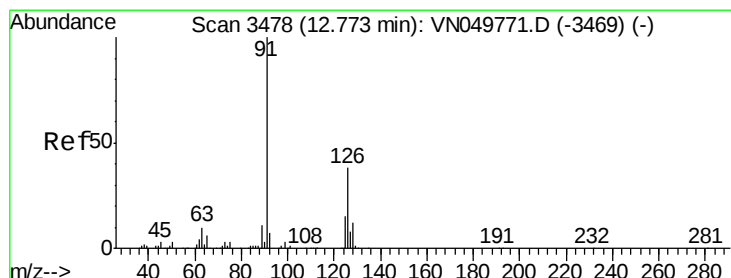
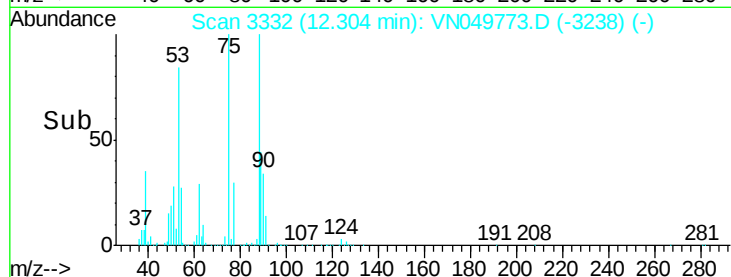
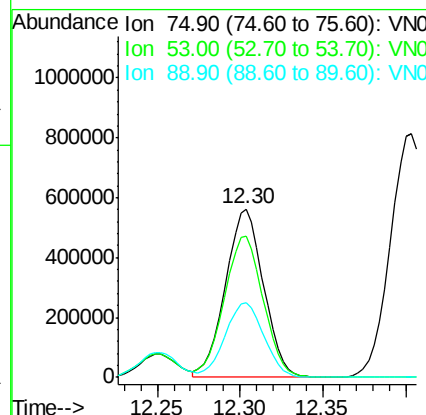
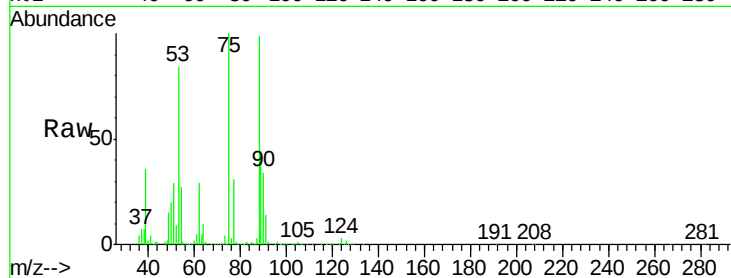
#81
trans-1,4-Dichloro-2-butene
Concen: 190.76 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	73.9	110.9
89	45.5	35.9	53.9

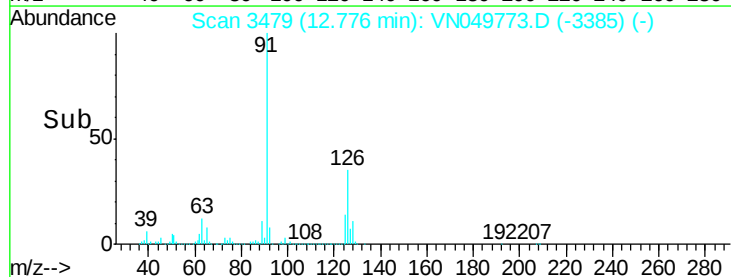
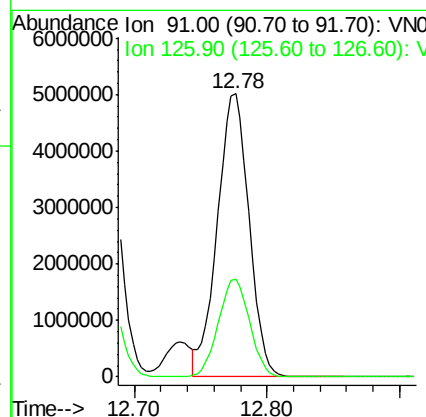
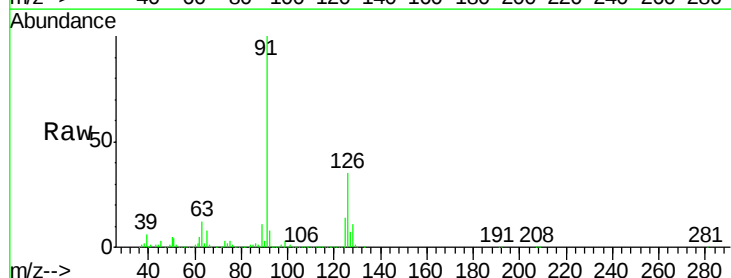
Manual Integrations
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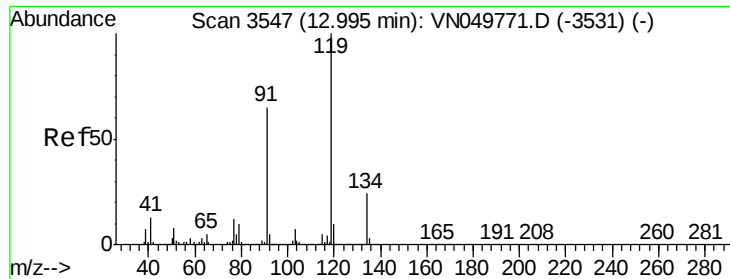
MMDadoda
7/13/2018 1:35:11 PM



#82
4-Chlorotoluene
Concen: 144.73 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6





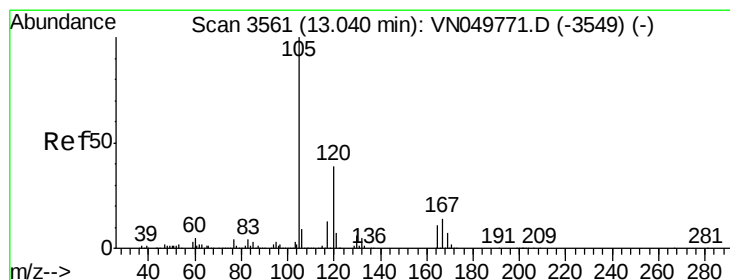
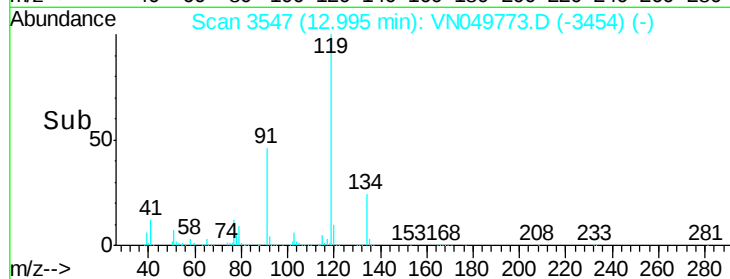
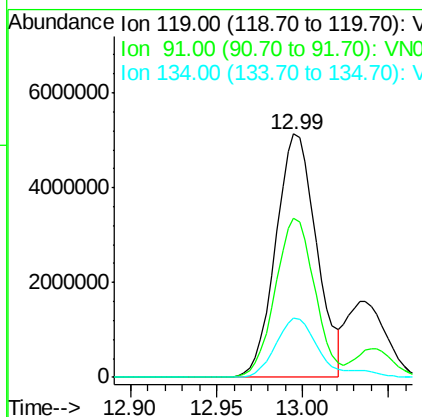
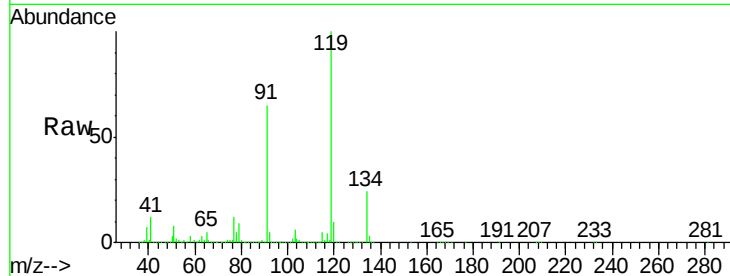
#83
 tert-Butylbenzene
 Concen: 150.76 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 8467464
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.0 96.2
 134 26.3 12.8 38.4

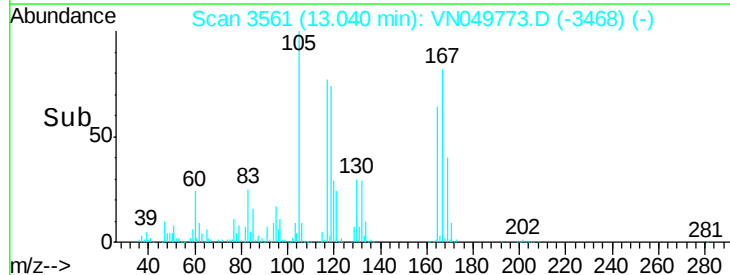
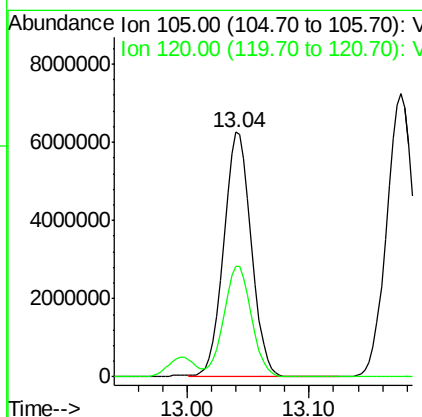
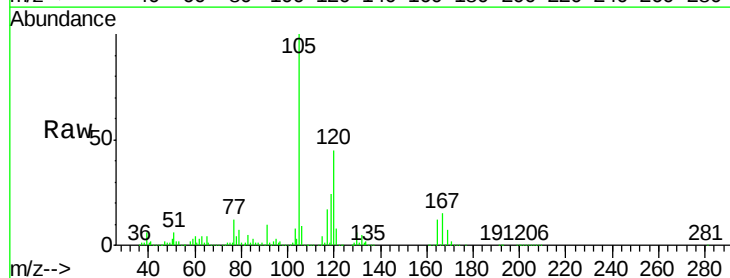
Manual Integrations
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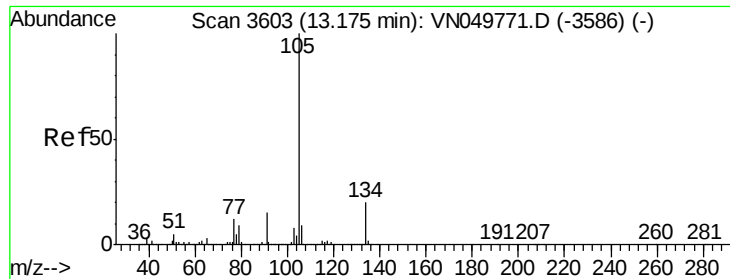
MMDadoda
 7/13/2018 1:35:11 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 147.37 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion:105 Resp: 9901152
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1





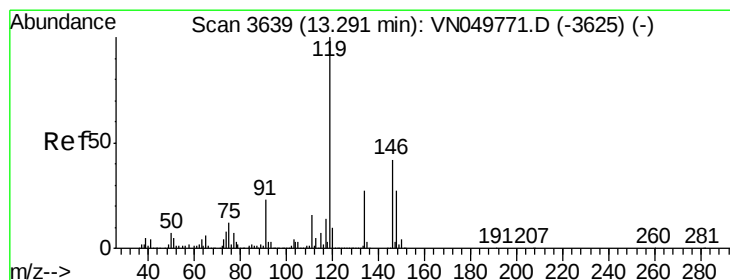
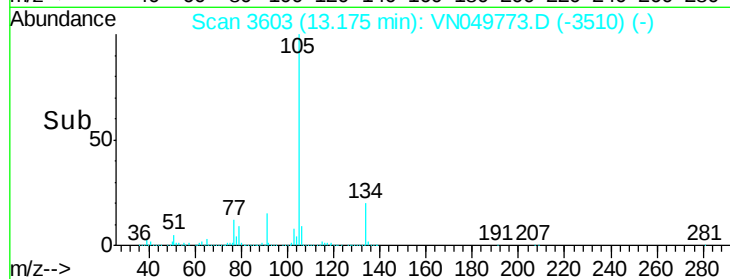
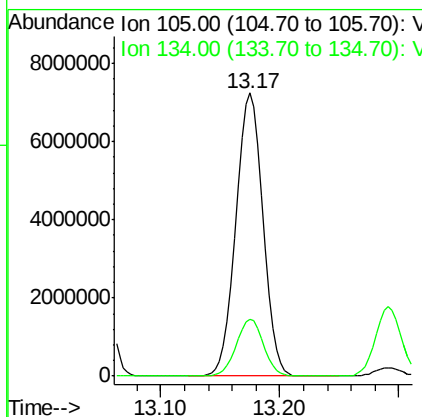
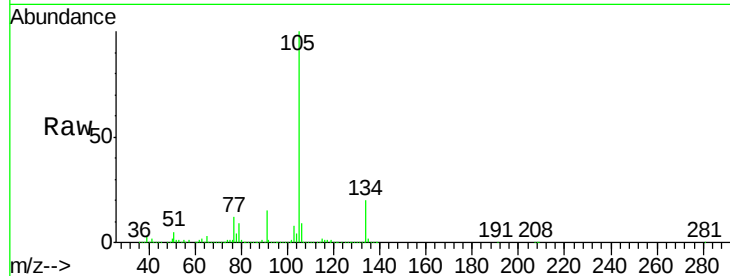
#85
 sec-Butylbenzene
 Concen: 153.09 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp:11392270
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

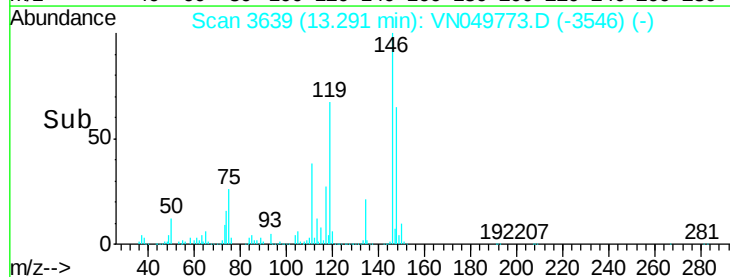
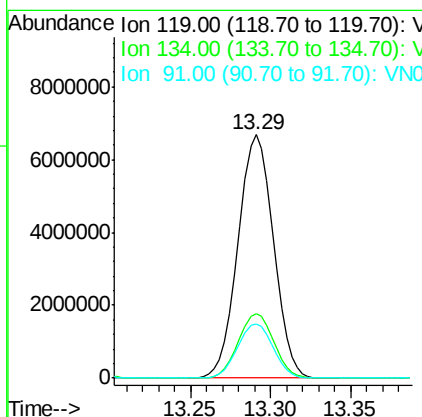
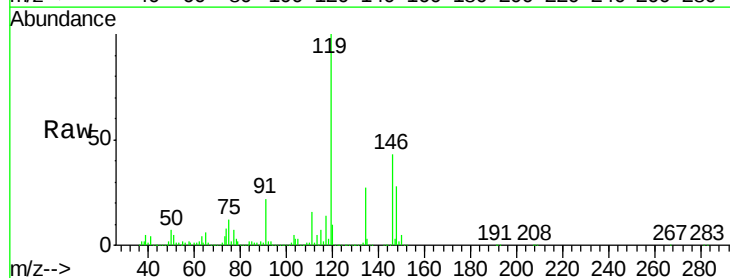
Manual Integrations
 APPROVED

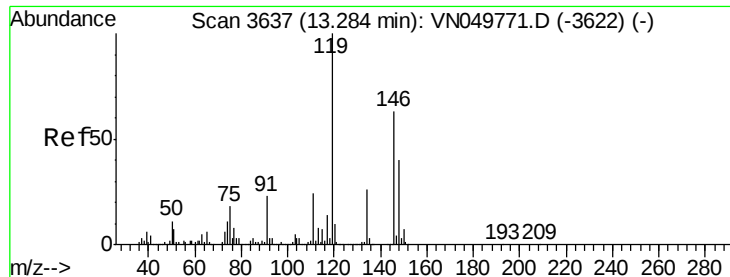
MMDadoda
 7/13/2018 1:35:11 PM



#86
 p-Isopropyltoluene
 Concen: 156.23 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion:119 Resp:10070241
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 22.5 11.4 34.1





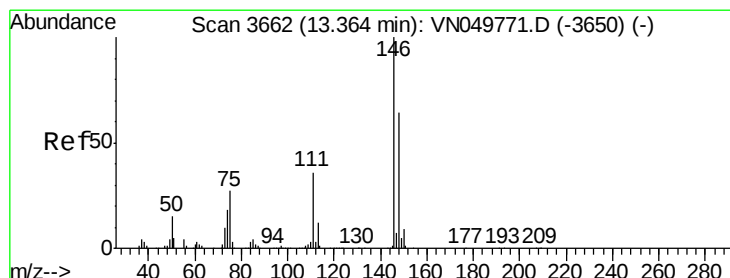
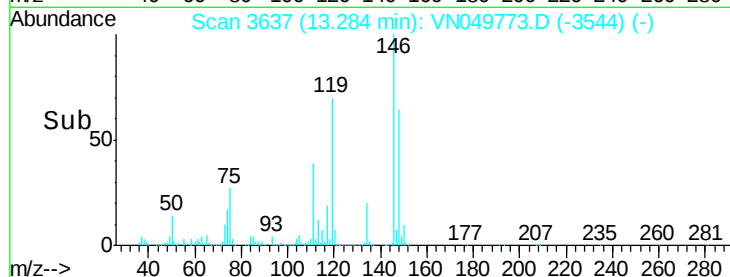
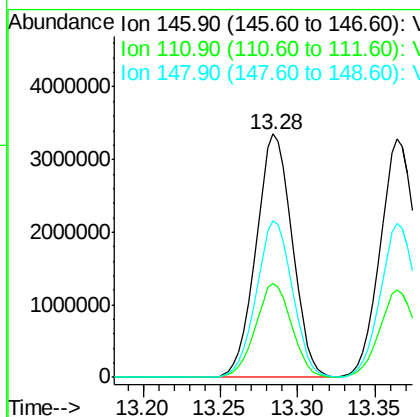
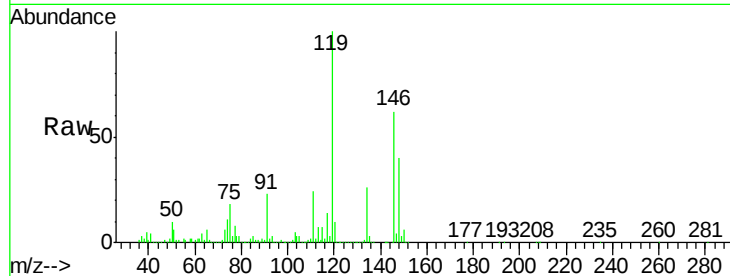
#87
 1,3-Dichlorobenzene
 Concen: 138.36 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 5465236
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 64.2 32.5 97.5

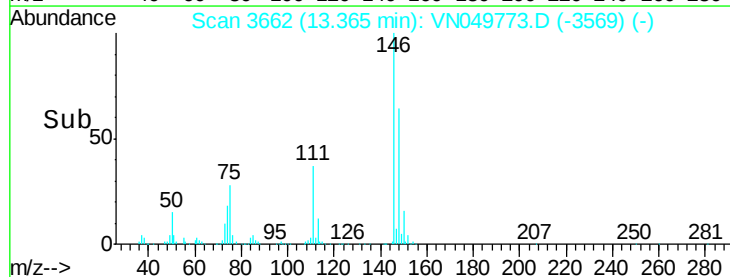
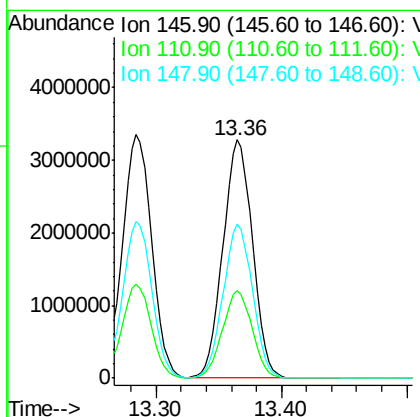
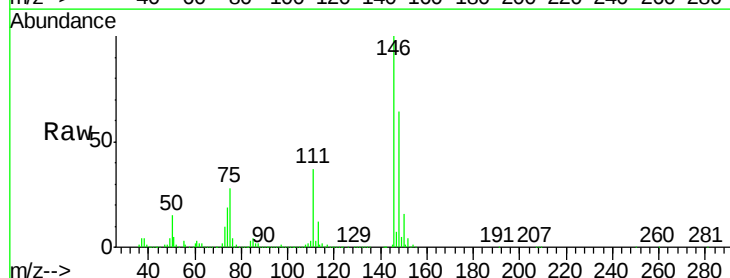
Manual Integrations
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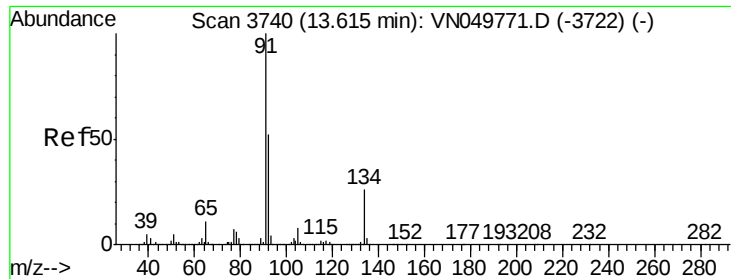
MMDadoda
 7/13/2018 1:35:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 135.87 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion:146 Resp: 5357416
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.9 56.5
 148 64.1 32.1 96.3





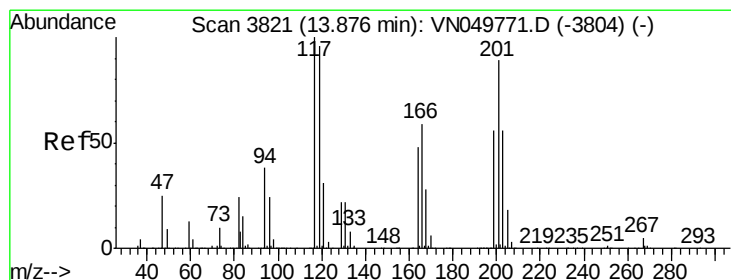
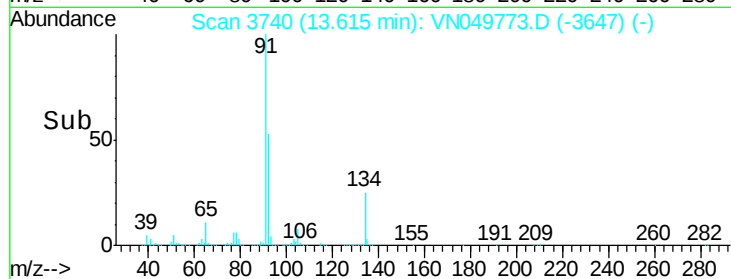
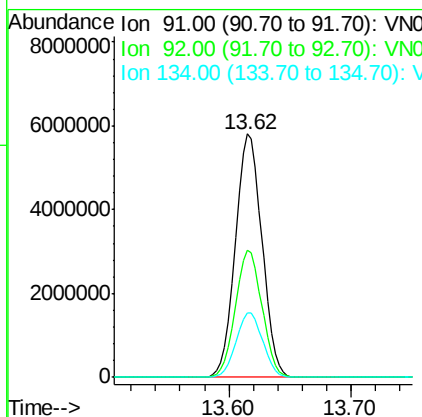
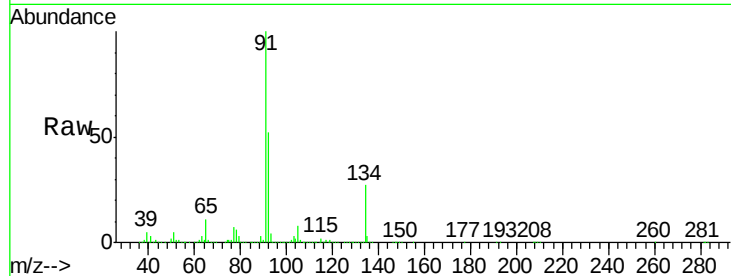
#89
n-Butylbenzene
Concen: 158.54 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.3
134	26.5	13.0	38.9

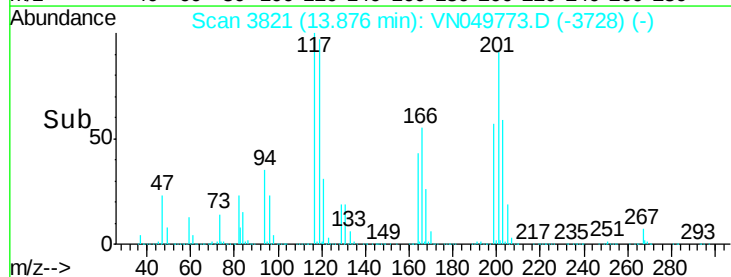
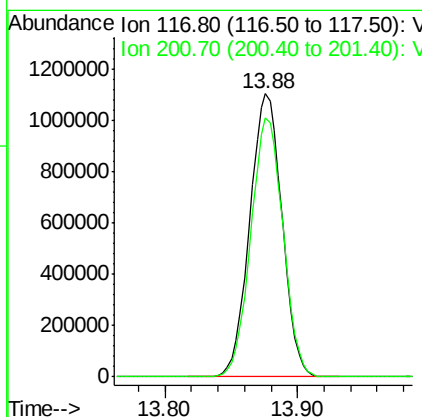
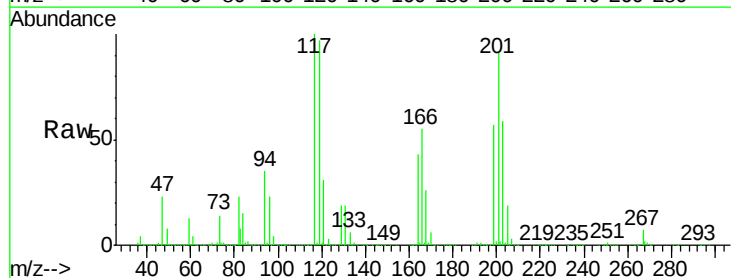
Manual Integrations
APPROVED

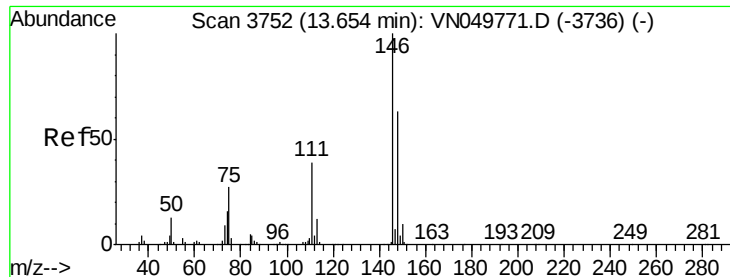
MMDadoda
7/13/2018 1:35:11 PM



#90
Hexachloroethane
Concen: 275.64 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.3	135.8





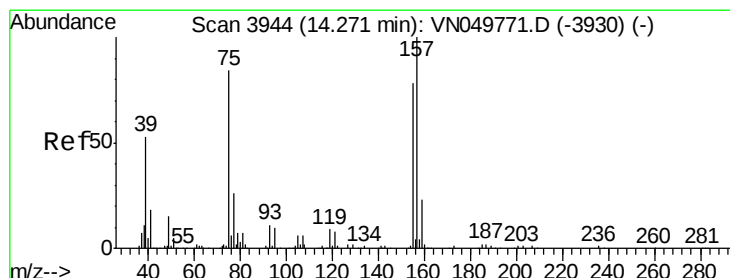
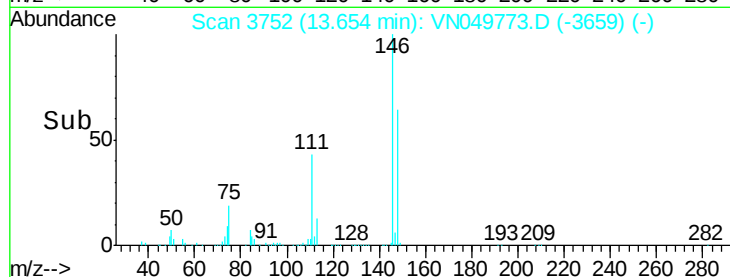
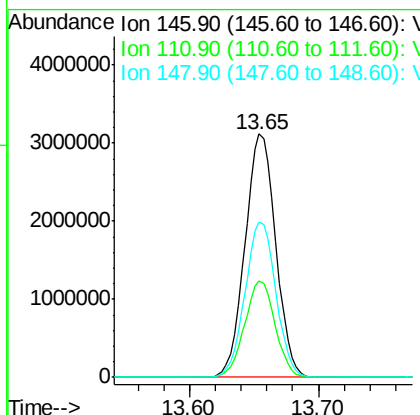
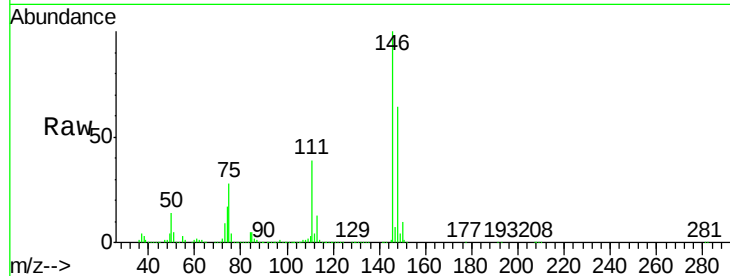
#91
 1,2-Dichlorobenzene
 Concen: 134.61 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	64.1	32.0	96.2

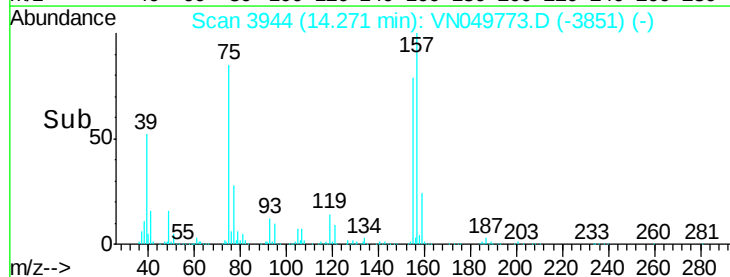
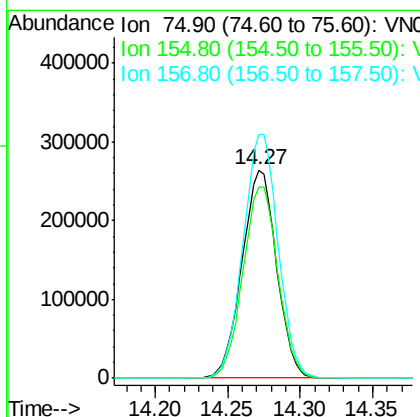
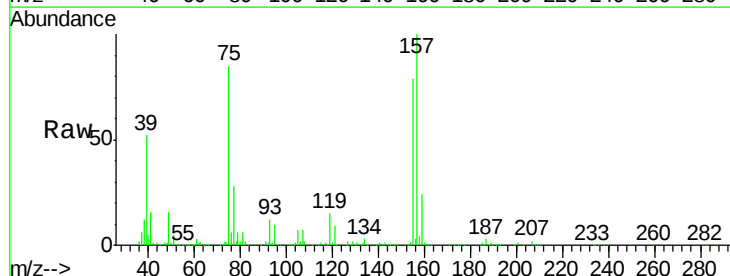
Manual Integrations
 APPROVED

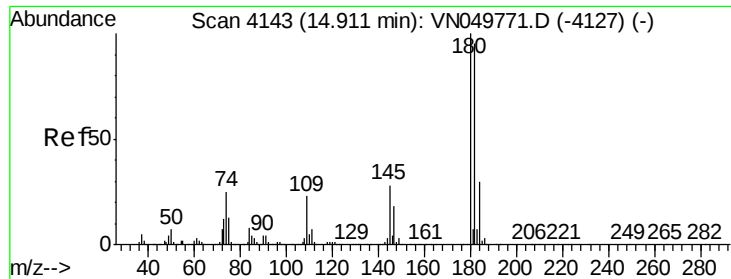
MMDadoda
 7/13/2018 1:35:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.88 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	45.7	137.1
157	119.1	56.9	170.7





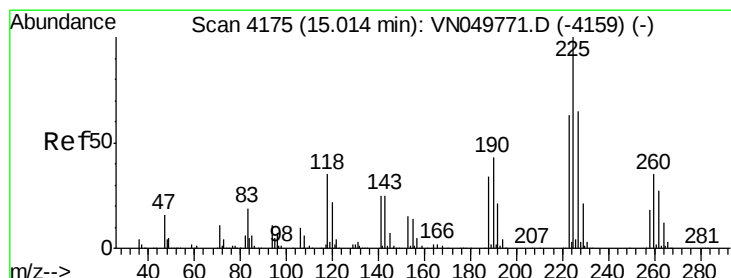
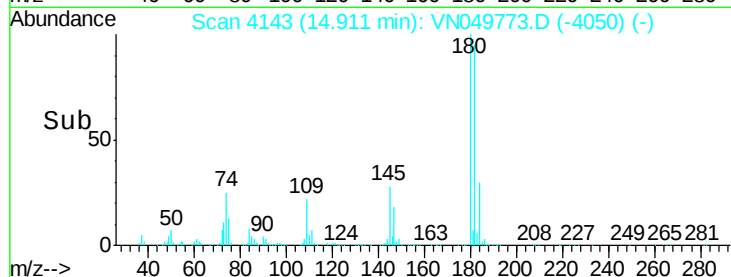
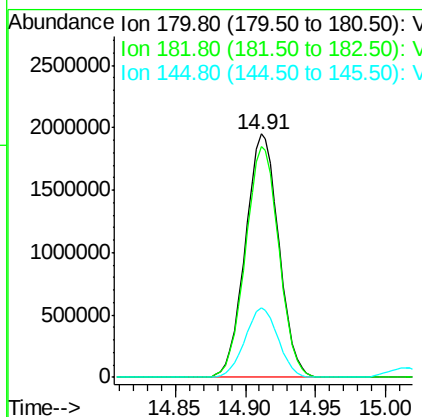
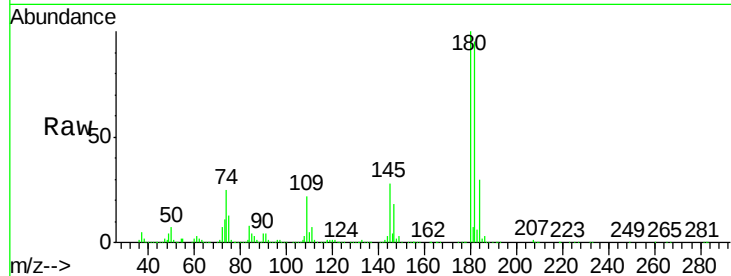
#93
1,2,4-Trichlorobenzene
Concen: 182.55 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	28.4	14.4	43.0

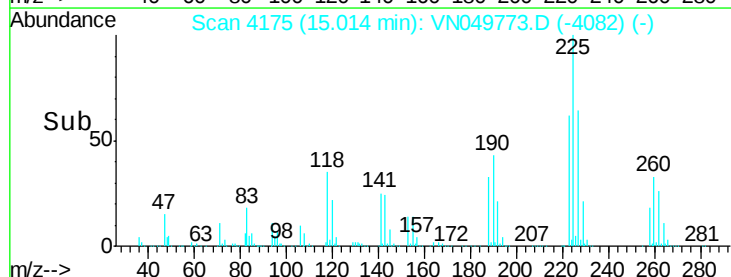
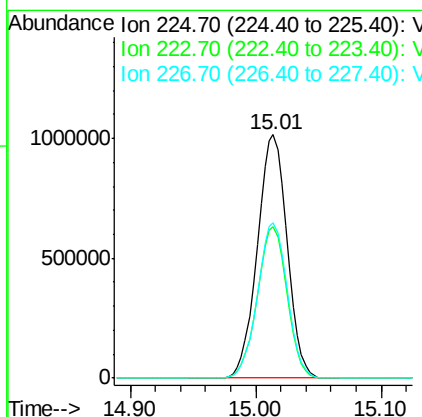
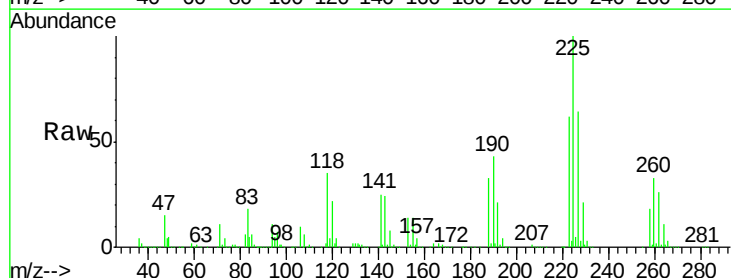
Manual Integrations
APPROVED

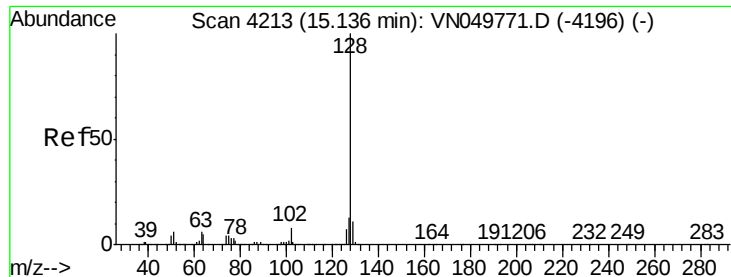
MMDadoda
7/13/2018 1:35:11 PM



#94
Hexachlorobutadiene
Concen: 136.43 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.7
227	63.8	31.8	95.4





#95

Naphthalene

Concen: 187.15 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 7099098

Ion Ratio Lower Upper

128 100

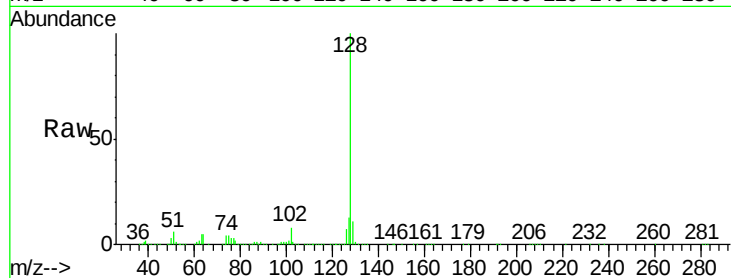
127 12.7 10.4 15.6

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

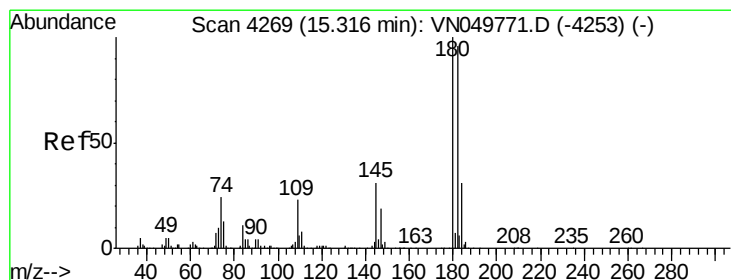
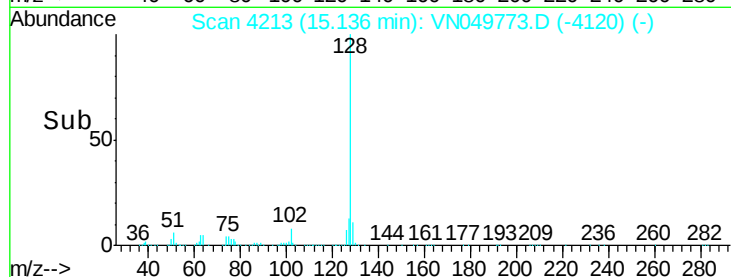
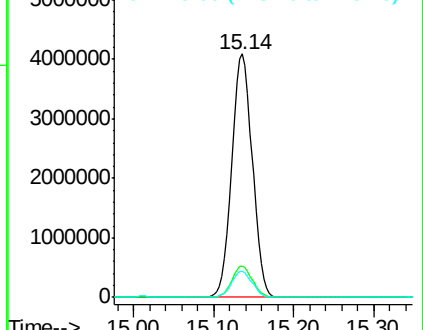
7/13/2018 1:35:11 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 167.32 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

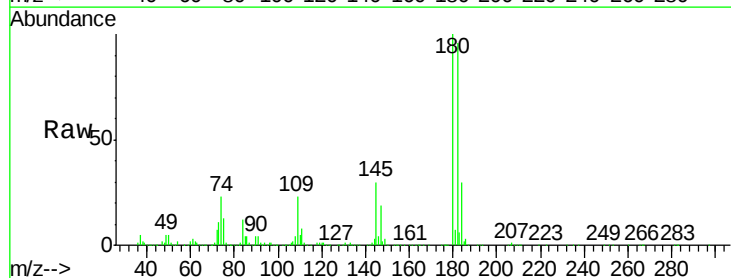
Tgt Ion:180 Resp: 3043585

Ion Ratio Lower Upper

180 100

182 95.9 47.4 142.2

145 30.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

