

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049786.D
 Acq On : 12 Jul 2018 22:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:39 PM

Quant Time: Jul 13 05:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1239226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1823704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1670300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	884226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	680048	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.59	113	648090	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	10.09	98	2175242	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.40	95	805738	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	511626	47.60	ug/l	96
3) Chloromethane	2.06	50	667103	46.86	ug/l	99
4) Vinyl Chloride	2.18	62	760396	48.35	ug/l	100
5) Bromomethane	2.56	94	468286	48.02	ug/l	96
6) Chloroethane	2.70	64	503847	45.71	ug/l	98
7) Trichlorofluoromethane	3.01	101	1064152	45.29	ug/l	98
8) Diethyl Ether	3.41	74	382805	45.46	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	673078	44.13	ug/l	99
10) Methyl Iodide	3.95	142	970092	50.04	ug/l	100
11) Tert butyl alcohol	4.80	59	224603	232.79	ug/l	99
12) 1,1-Dichloroethene	3.74	96	606430	45.25	ug/l	99
13) Acrolein	3.61	56	179988	212.39	ug/l	98
14) Allyl chloride	4.33	41	996455	45.56	ug/l	98
15) Acrylonitrile	5.00	53	1130538	233.98	ug/l	99
16) Acetone	3.82	43	776734	218.67	ug/l	99
17) Carbon Disulfide	4.05	76	1600082	46.58	ug/l	99
18) Methyl Acetate	4.33	43	575129	47.73	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1788747	48.12	ug/l	100
20) Methylene Chloride	4.55	84	719150	48.60	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	667165	45.55	ug/l	99
22) Diisopropyl ether	5.96	45	2213876	49.28	ug/l	96
23) Vinyl Acetate	5.90	43	7328241	243.42	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1302666	46.16	ug/l	99
25) 2-Butanone	6.84	43	1265027	225.19	ug/l	98
26) 2,2-Dichloropropane	6.83	77	959079	40.95	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	790247	47.17	ug/l	97
28) Bromochloromethane	7.20	49	614102	47.84	ug/l	99
29) Tetrahydrofuran	7.22	42	829707	235.20	ug/l	99
30) Chloroform	7.37	83	1343592	46.21	ug/l	99
31) Cyclohexane	7.66	56	1057202	47.05	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1142088	46.25	ug/l	99
36) 1,1-Dichloropropene	7.80	75	965978	45.96	ug/l	100
37) Ethyl Acetate	6.93	43	581290	46.73	ug/l	100
38) Carbon Tetrachloride	7.78	117	1001349	45.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1012227	45.69	ug/l	98
40) Benzene	8.04	78	2944767	46.84	ug/l	99
41) Methacrylonitrile	7.17	41	315337	44.81	ug/l	95
42) 1,2-Dichloroethane	8.13	62	948008	46.10	ug/l	100
43) Isopropyl Acetate	8.17	43	1051335	47.02	ug/l	96
44) Trichloroethene	8.84	130	770524	45.52	ug/l	99
45) 1,2-Dichloropropane	9.12	63	797173	47.18	ug/l	100
46) Dibromomethane	9.21	93	463857	46.23	ug/l	99
47) Bromodichloromethane	9.40	83	1036254	46.89	ug/l	99
48) Methyl methacrylate	9.20	41	540530	48.35	ug/l	98
49) 1,4-Dioxane	9.20	88	137034	935.50	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2954904	243.40	ug/l	100
52) Toluene	10.16	92	1828377	48.59	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1000818	47.09	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1163031	48.04	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	678854	47.65	ug/l	99
56) Ethyl methacrylate	10.43	69	861762	50.74	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1131355	47.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2069353	254.05	ug/l	100
59) 2-Hexanone	10.75	43	1932824	239.49	ug/l	100
60) Dibromochloromethane	10.90	129	792806	48.10	ug/l	99
61) 1,2-Dibromoethane	11.01	107	647878	47.32	ug/l	99
64) Tetrachloroethene	10.63	164	696129	45.90	ug/l	98
65) Chlorobenzene	11.44	112	2029122	46.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	782438	47.79	ug/l	99
67) Ethyl Benzene	11.51	91	3474855	48.77	ug/l	99
68) m/p-Xylenes	11.62	106	2665045	99.65	ug/l	99
69) o-Xylene	11.95	106	1298179	50.25	ug/l	98
70) Styrene	11.97	104	2141028	52.17	ug/l	100
71) Bromoform	12.13	173	531291	48.03	ug/l #	100
73) Isopropylbenzene	12.25	105	3472929	47.26	ug/l	100
74) N-amyl acetate	12.07	43	935589	48.94	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	829139	48.92	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	692552m	44.09	ug/l	
77) Bromobenzene	12.53	156	888956	45.60	ug/l	99
78) n-propylbenzene	12.59	91	3992442	48.19	ug/l	100
79) 2-Chlorotoluene	12.68	91	2376135	46.86	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2841913	48.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	229038	47.09	ug/l	98
82) 4-Chlorotoluene	12.77	91	2397953	47.68	ug/l	100
83) tert-Butylbenzene	12.99	119	2478146	47.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2905803	49.62	ug/l	100
85) sec-Butylbenzene	13.17	105	3312689	48.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	2894226	49.95	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1567388	46.37	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1531430	46.61	ug/l	99
89) n-Butylbenzene	13.62	91	2354626	49.22	ug/l	100
90) Hexachloroethane	13.88	117	537609	47.91	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1545510	46.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	121387	46.70	ug/l	97

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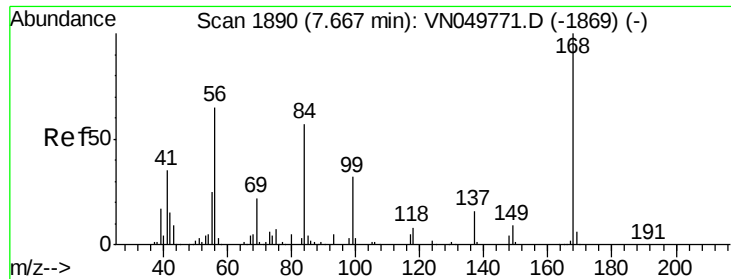
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	809096	44.96	ug/l	100
94) Hexachlorobutadiene	15.01	225	479504	47.44	ug/l	100
95) Naphthalene	15.14	128	1683511	43.62	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	797039	49.82	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1239226

Ion Ratio Lower Upper

168 100

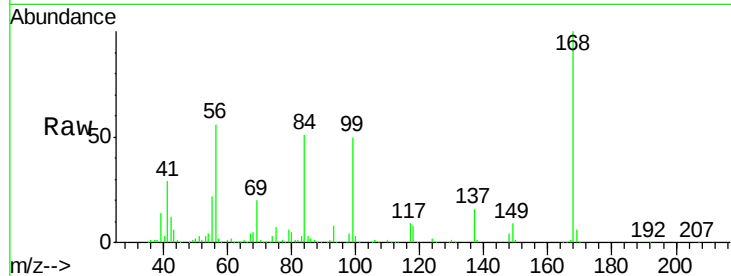
99 49.7 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

300000

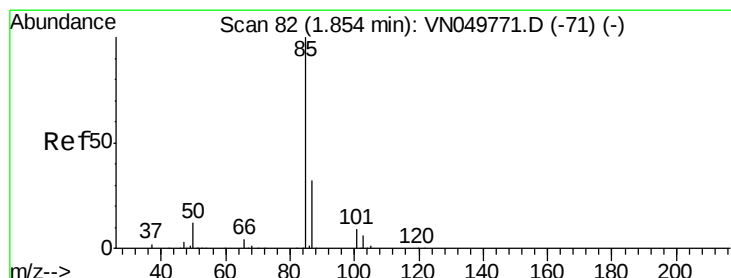
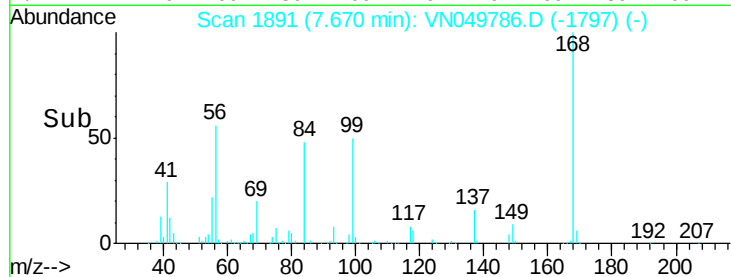
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 47.60 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049786.D

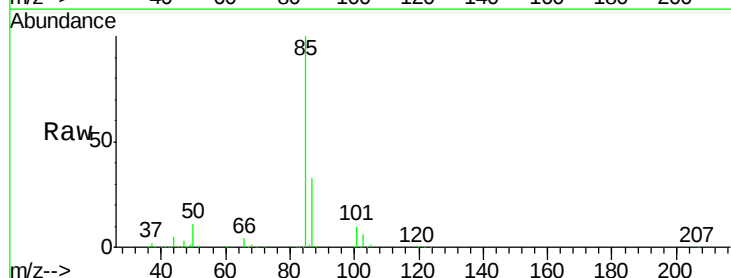
Acq: 12 Jul 2018 22:45

Tgt Ion: 85 Resp: 511626

Ion Ratio Lower Upper

85 100

87 32.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

300000

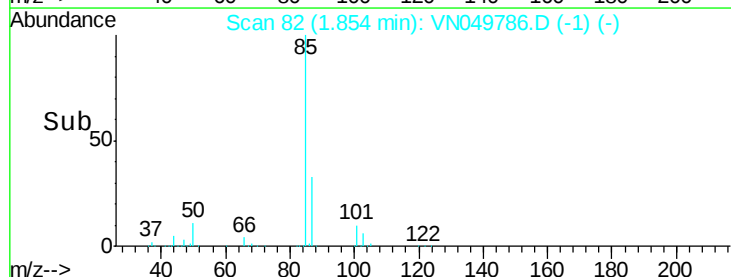
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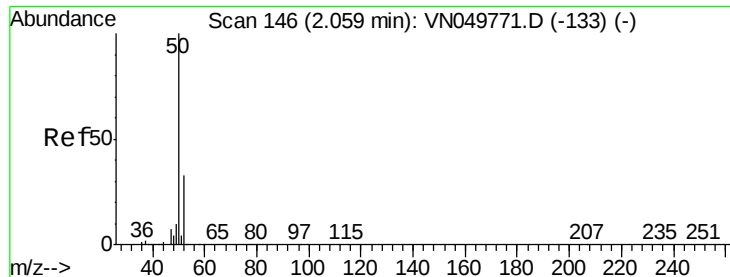
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.86 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 667103

Ion Ratio Lower Upper

50 100

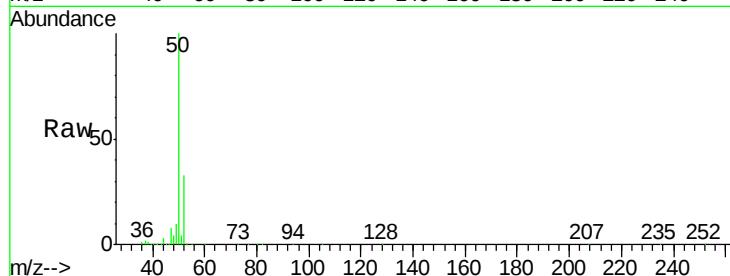
52 33.4 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

600000

500000

400000

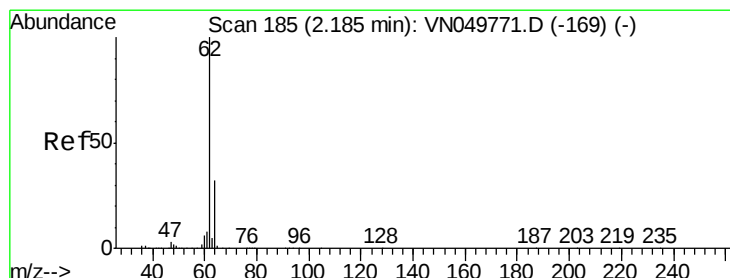
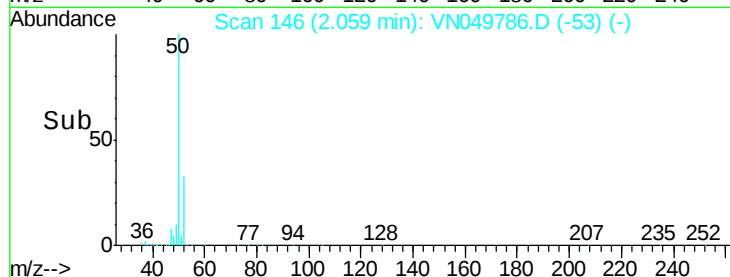
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 48.35 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049786.D

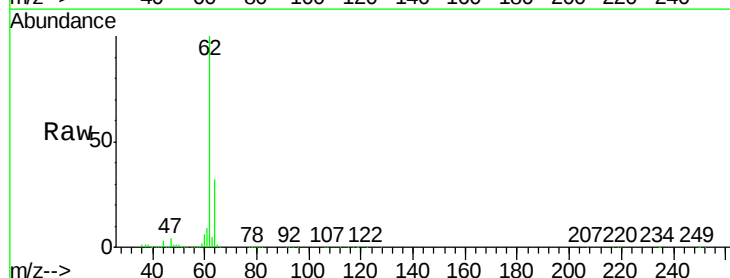
Acq: 12 Jul 2018 22:45

Tgt Ion: 62 Resp: 760396

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

600000

500000

400000

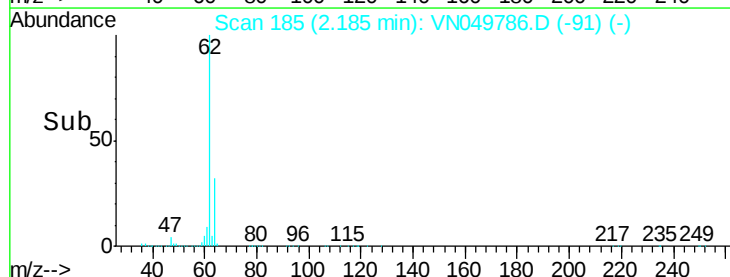
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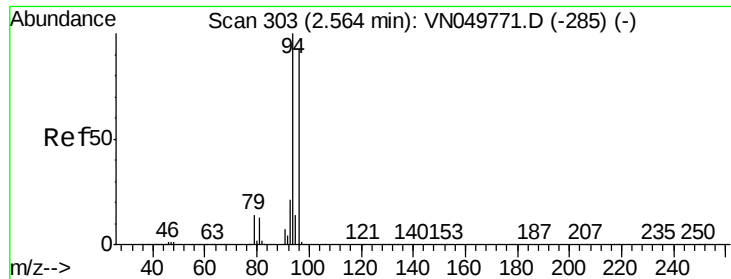
200000

100000

0

Time-->





#5

Bromomethane

Concen: 48.02 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 468286

Ion Ratio Lower Upper

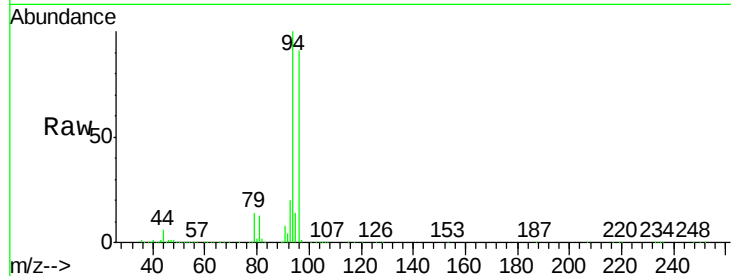
94 100

96 91.0 75.7 113.5

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Abundance Ion 93.90 (93.60 to 94.60): VN049786.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049786.D (-210) (-)

2.56

250000

200000

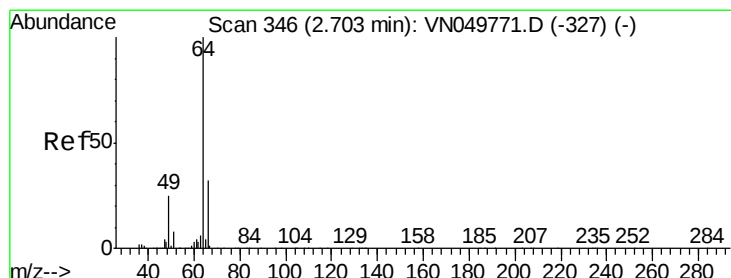
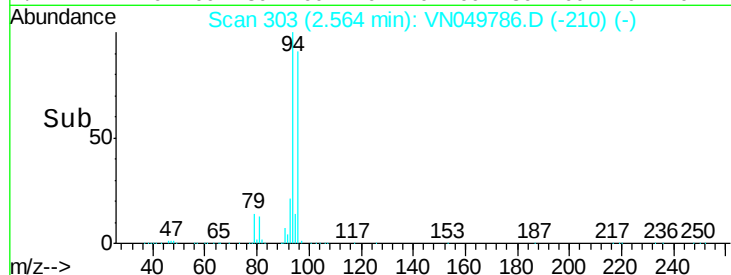
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.71 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049786.D

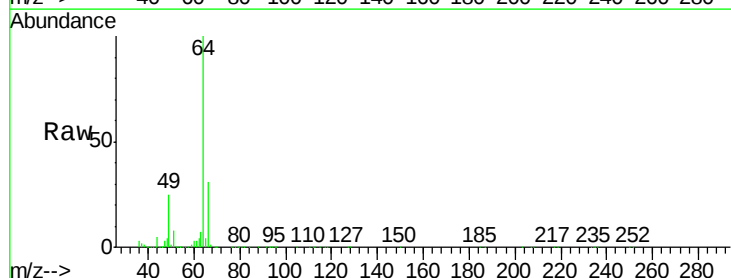
Acq: 12 Jul 2018 22:45

Tgt Ion: 64 Resp: 503847

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049786.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049786.D (-253) (-)

2.70

300000

250000

200000

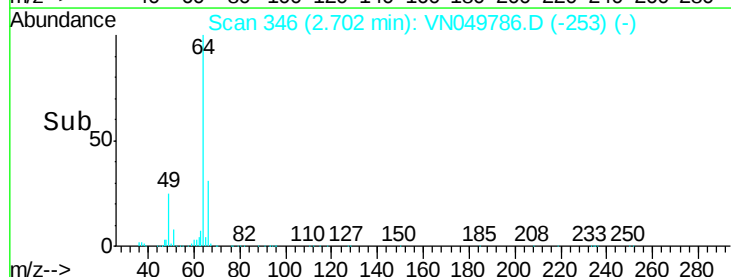
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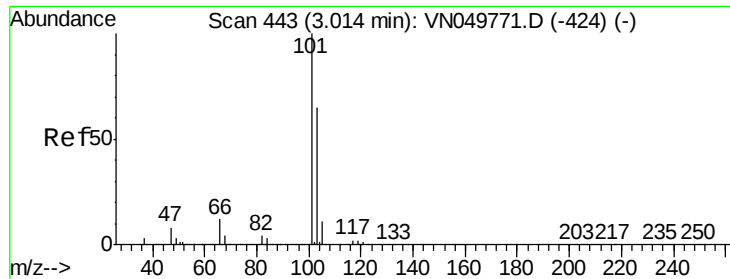
100000

50000

0

Time-->





#7

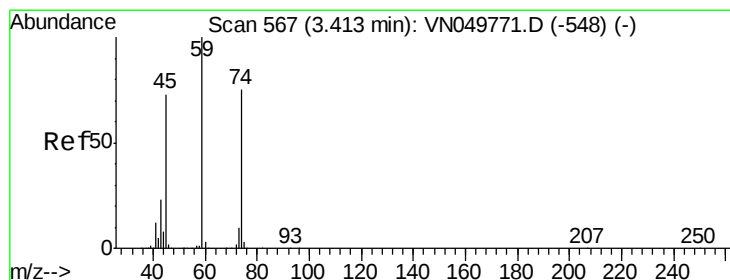
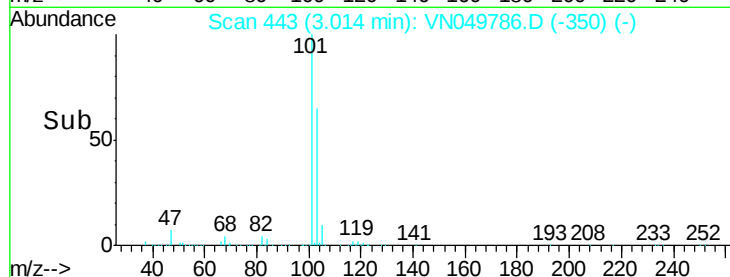
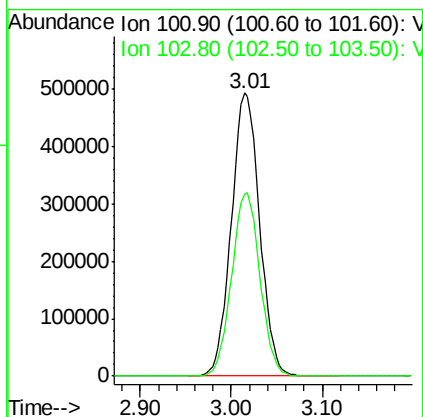
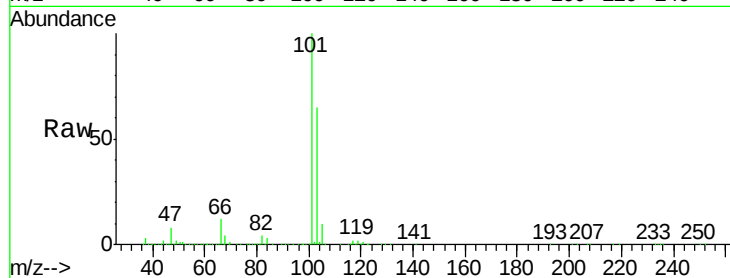
Trichlorofluoromethane
Concen: 45.29 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 1064152
Ion Ratio Lower Upper
101 100
103 64.6 52.8 79.2

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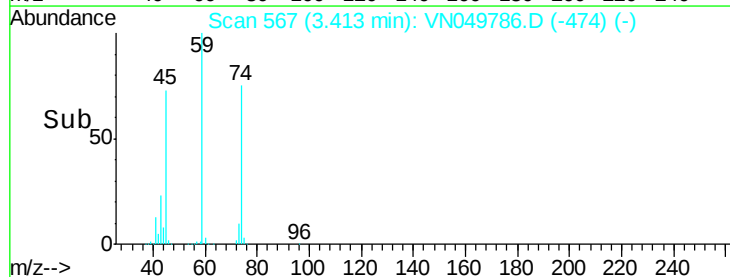
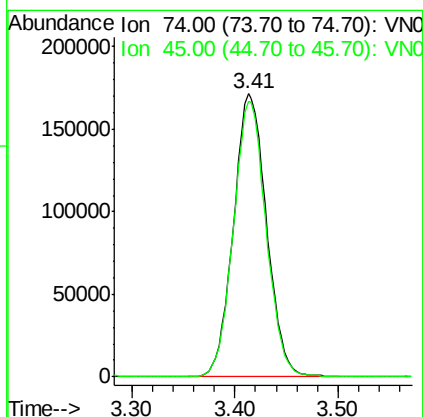
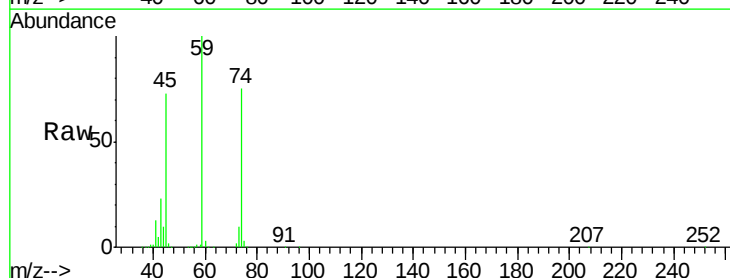
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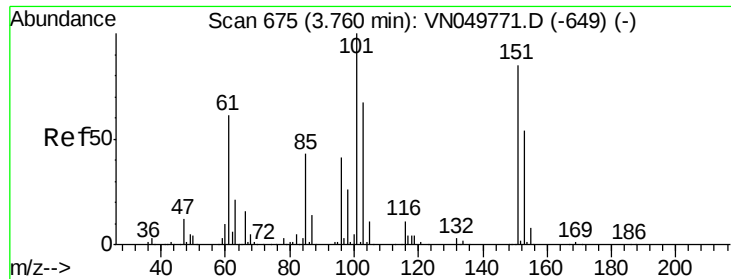


#8

Diethyl Ether
Concen: 45.46 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 74 Resp: 382805
Ion Ratio Lower Upper
74 100
45 96.3 48.4 145.2





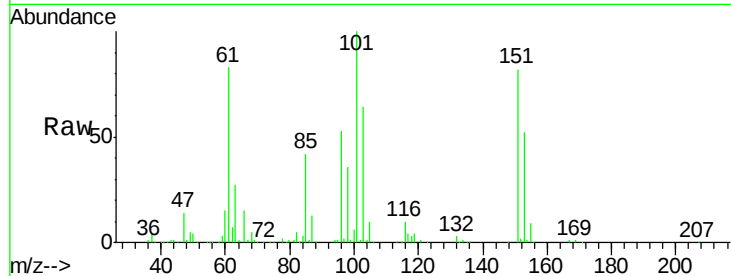
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.13 ug/l
RT: 3.76 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN049786.D
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Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.4	51.6
151	83.5	66.2	99.4

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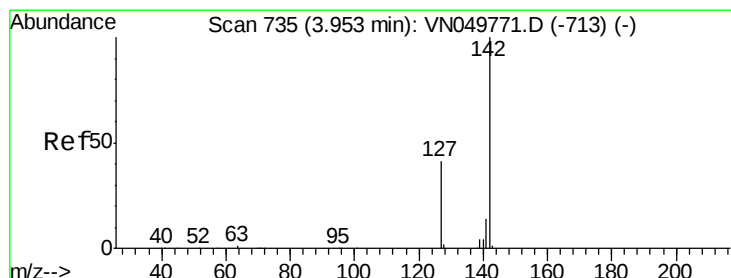
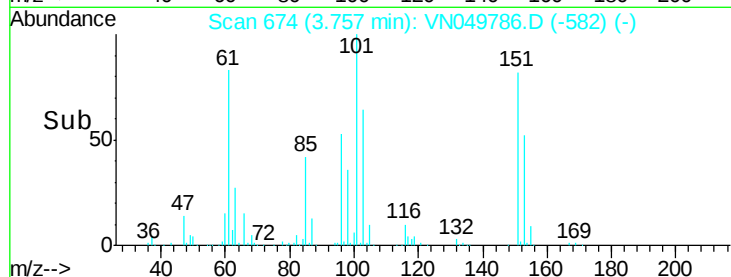
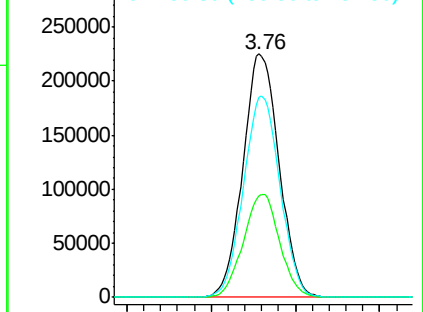


Abundance

Ion 100.90 (100.60 to 101.60): V

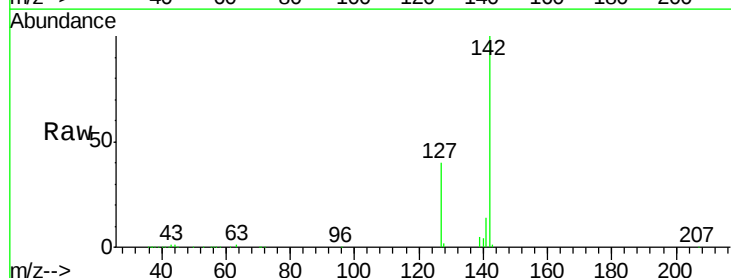
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 50.04 ug/l
RT: 3.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.7	32.5	48.7
141	14.1	11.1	16.7

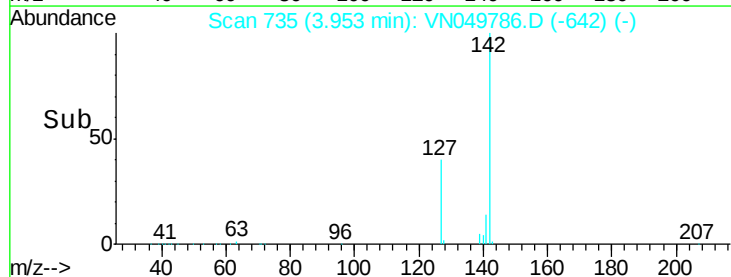
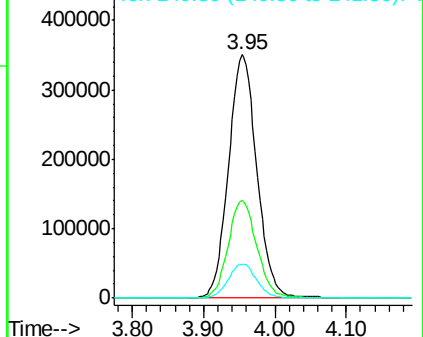


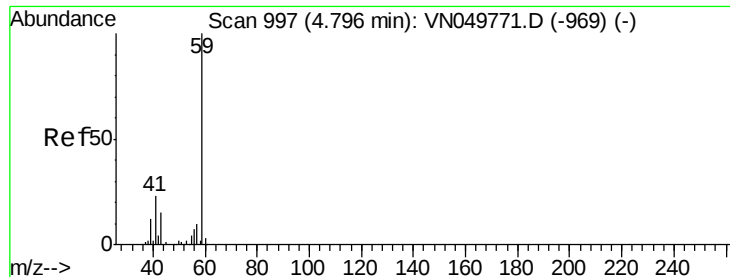
Abundance

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

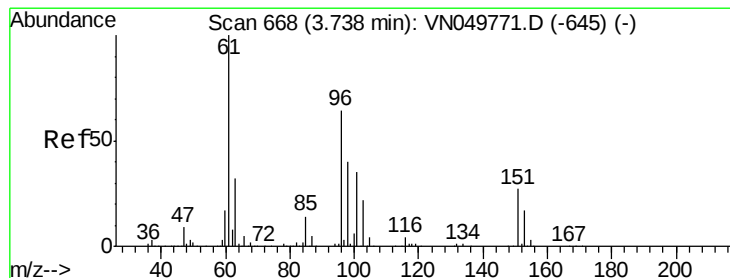
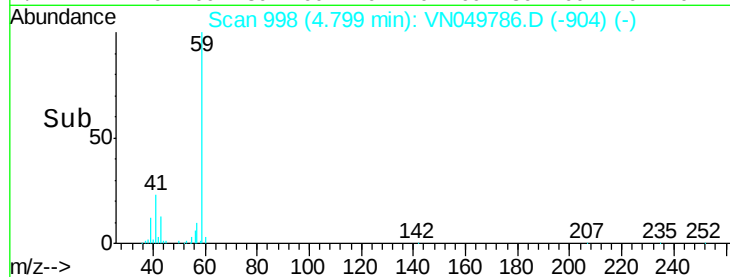
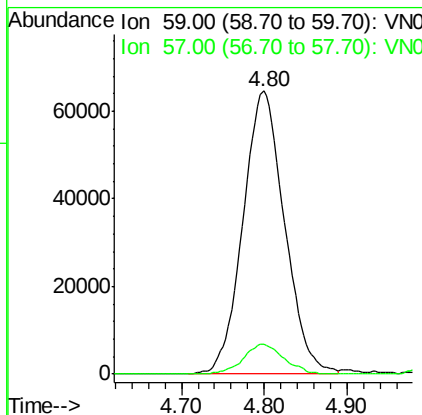
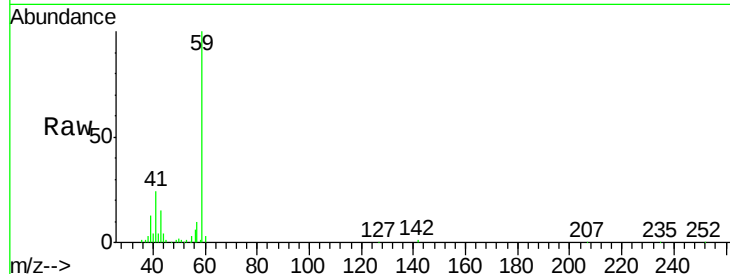
Tert butyl alcohol
 Concen: 232.79 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	224603
Ion Ratio	100	Lower	Upper
57	10.4	8.5	12.7

Manual Integrations
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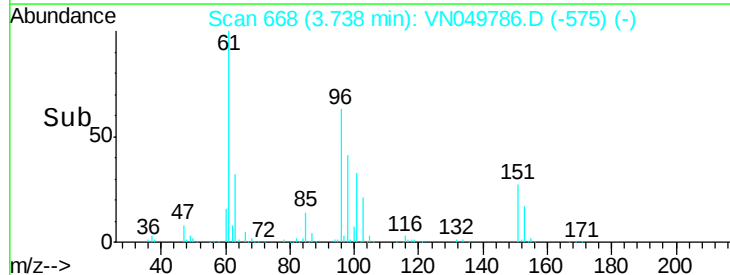
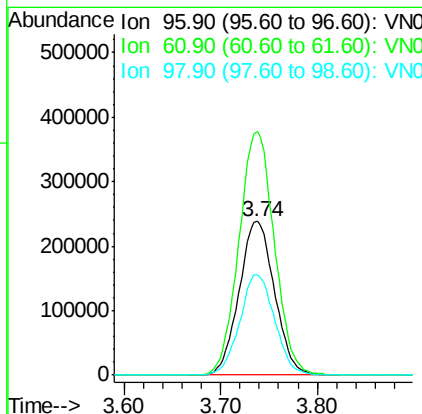
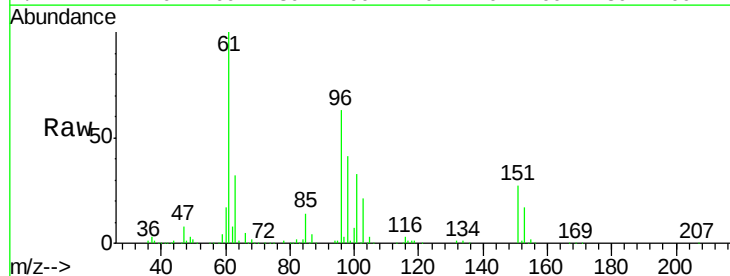
MMDadoda
 7/13/2018 1:35:39 PM

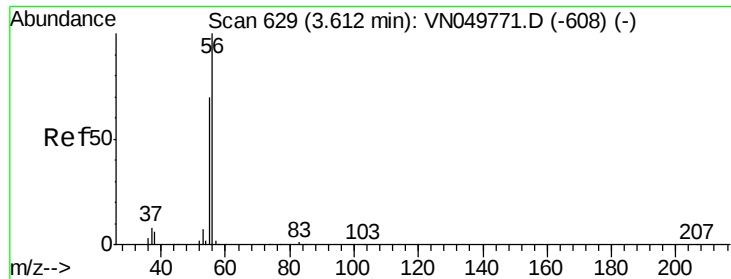


#12

1,1-Dichloroethene
 Concen: 45.25 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	96	Resp	606430
Ion Ratio	100	Lower	Upper
61	158.3	126.5	189.7
98	65.5	51.0	76.6





#13

Acrolein

Concen: 212.39 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 179988

Ion Ratio Lower Upper

56 100

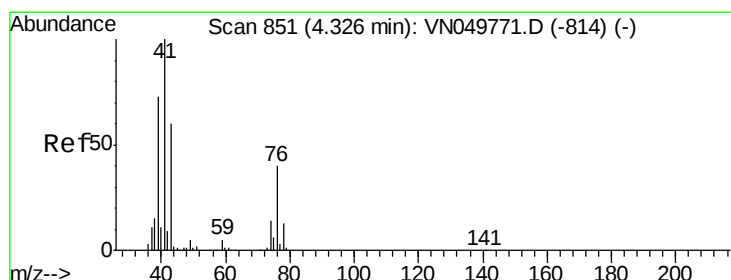
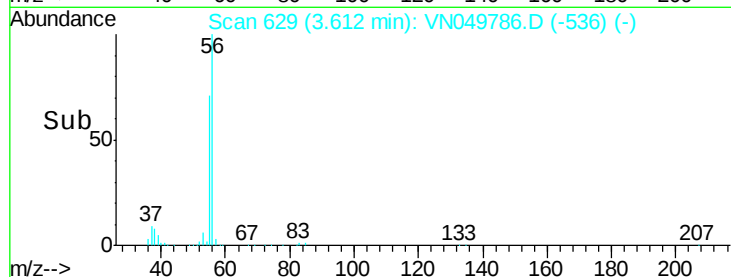
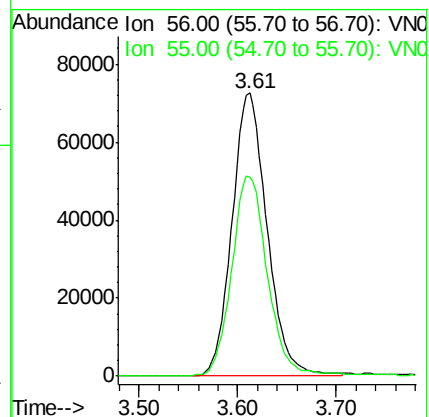
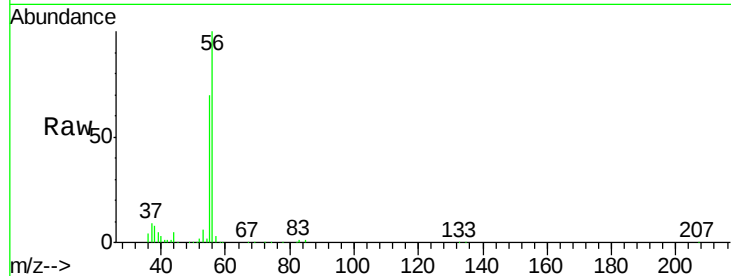
55 71.4 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 45.56 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

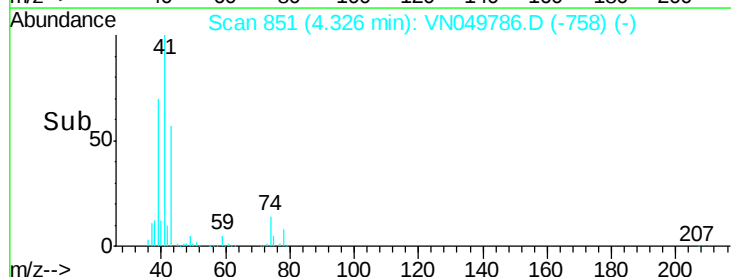
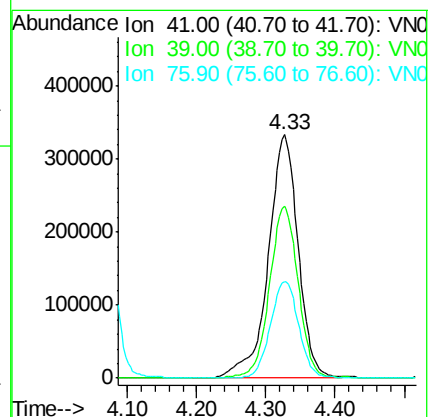
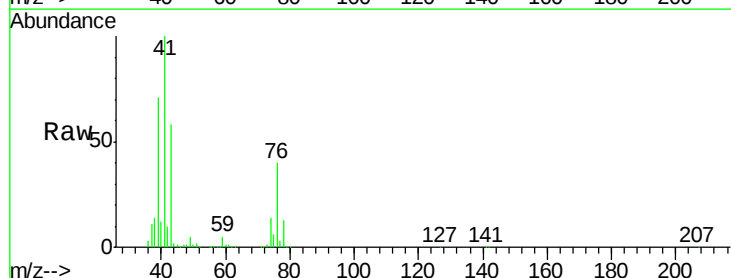
Tgt Ion: 41 Resp: 996455

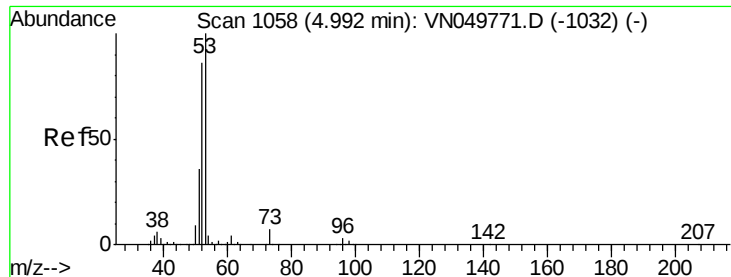
Ion Ratio Lower Upper

41 100

39 68.0 53.2 79.8

76 37.4 29.0 43.6





#15

Acrylonitrile

Concen: 233.98 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1130538

Ion Ratio Lower Upper

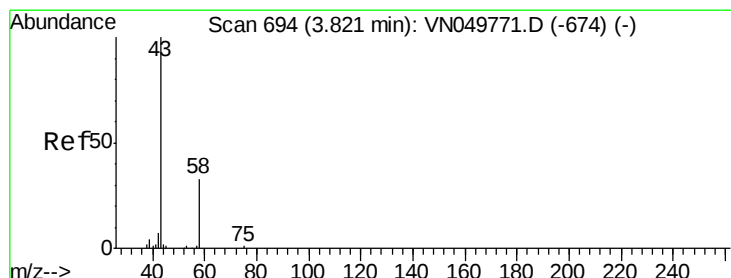
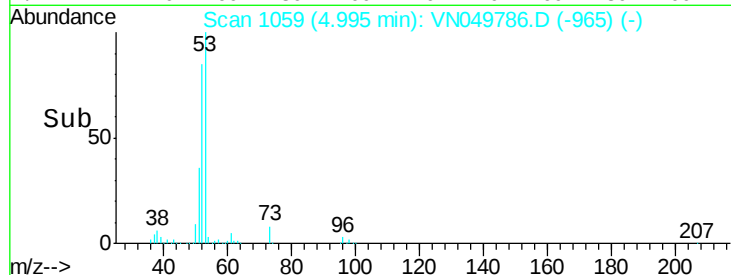
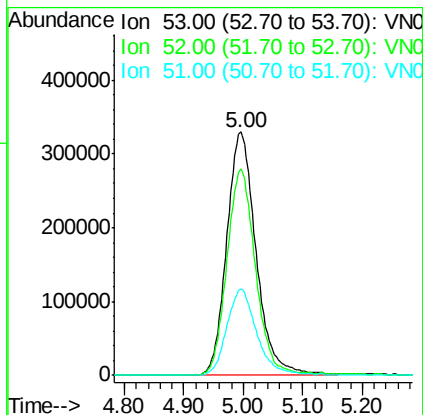
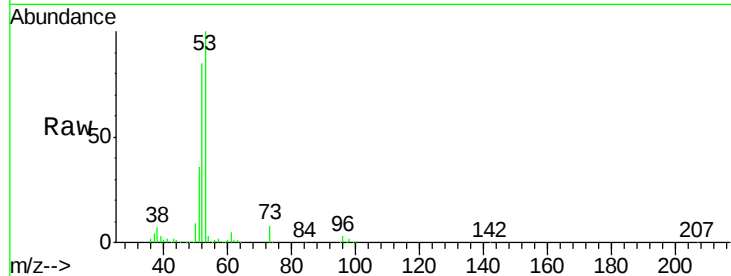
53 100

52 82.7 64.8 97.2

51 36.1 28.9 43.3

Manual Integrations
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#16

Acetone

Concen: 218.67 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049786.D

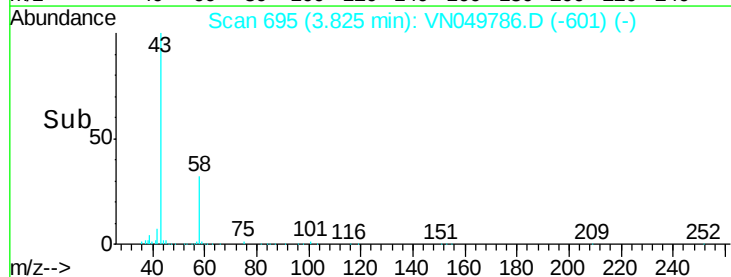
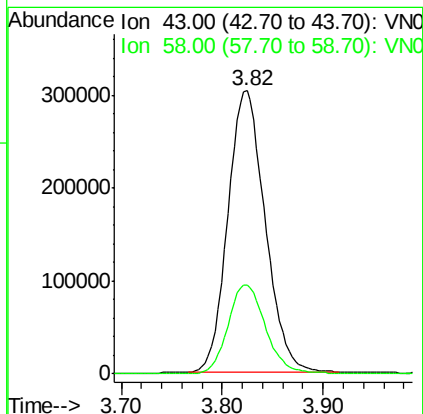
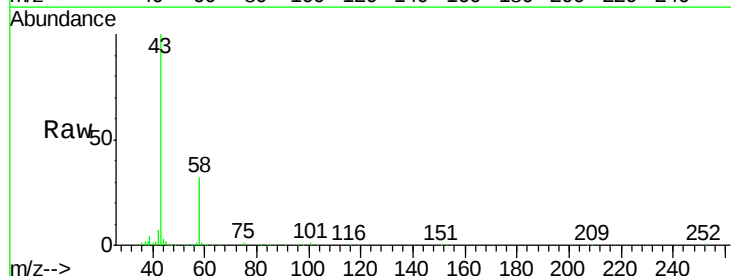
Acq: 12 Jul 2018 22:45

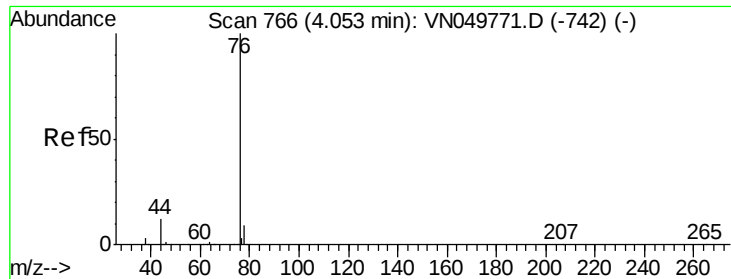
Tgt Ion: 43 Resp: 776734

Ion Ratio Lower Upper

43 100

58 31.6 25.9 38.9





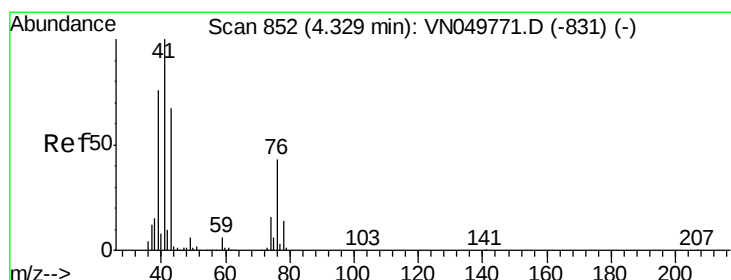
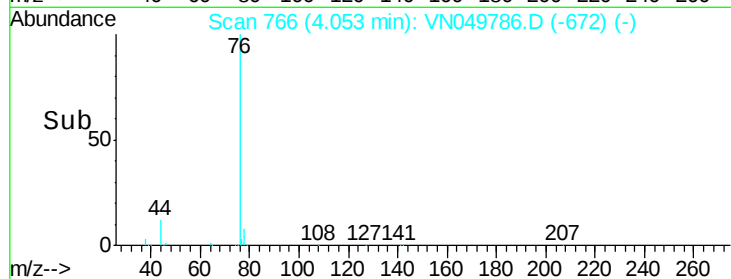
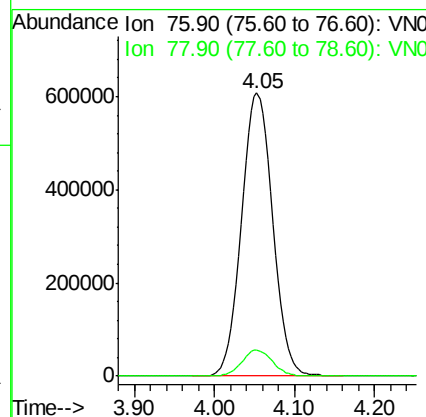
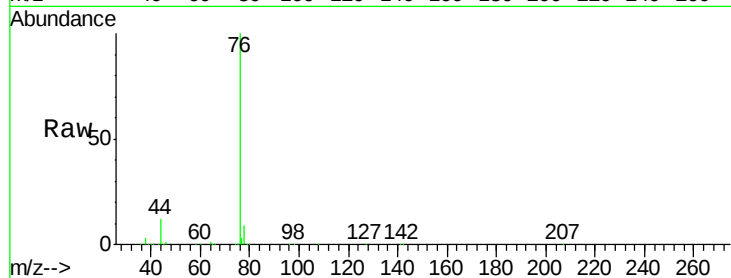
#17
Carbon Disulfide
Concen: 46.58 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1600082
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

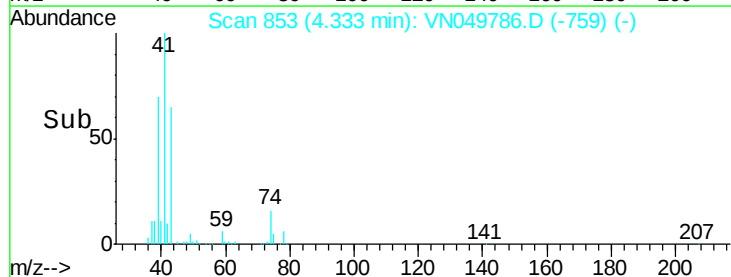
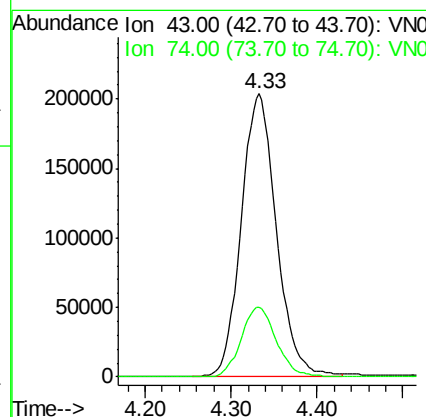
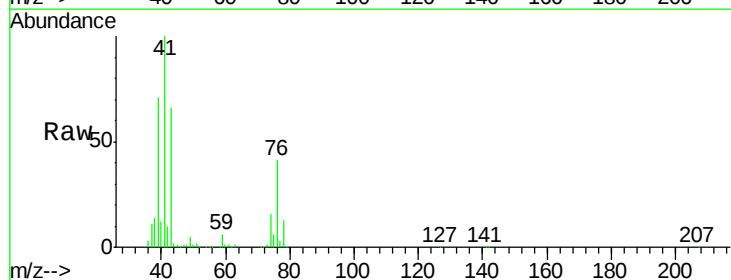
Manual Integrations
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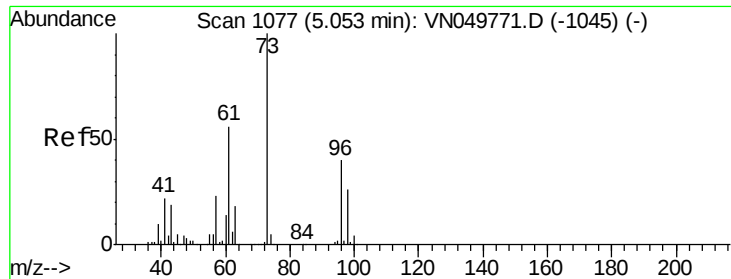
MMDadoda
7/13/2018 1:35:39 PM



#18
Methyl Acetate
Concen: 47.73 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 43 Resp: 575129
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8





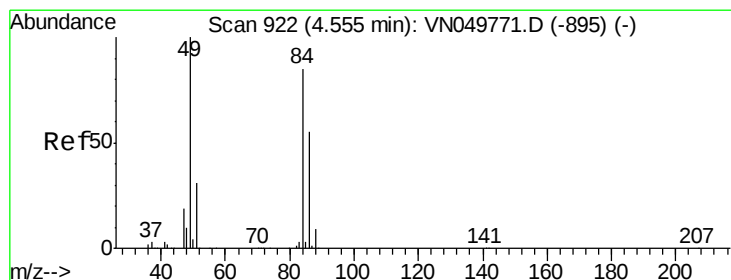
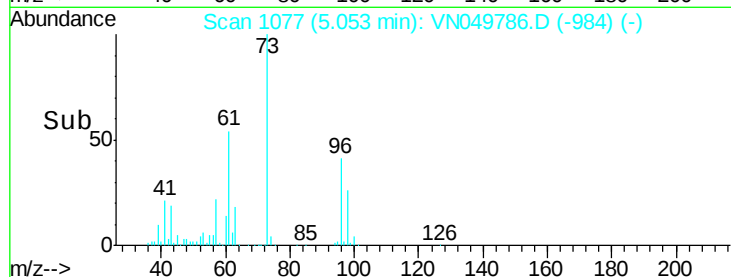
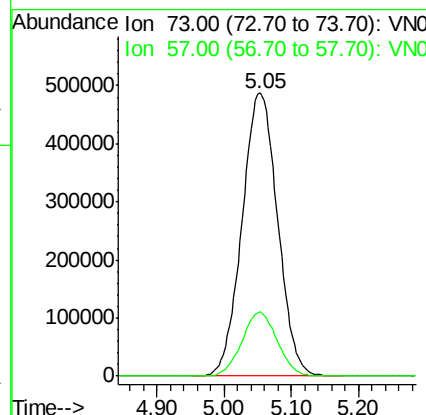
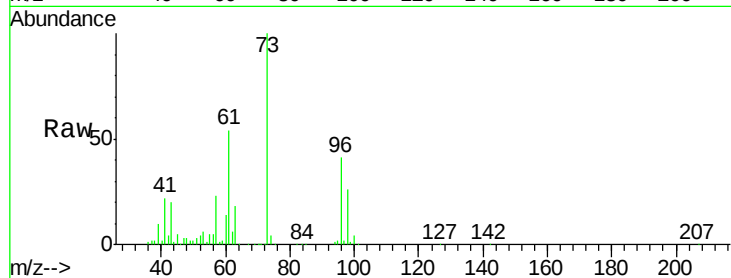
#19
Methvl tert-butvl Ether
Concen: 48.12 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1788747
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

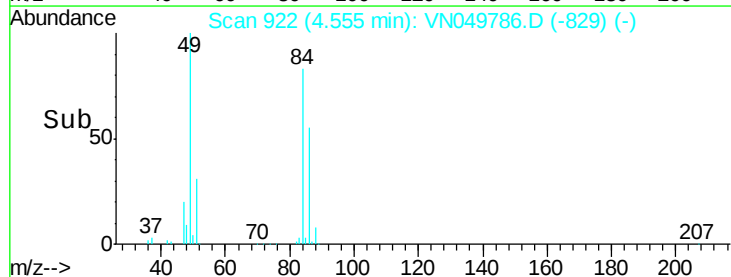
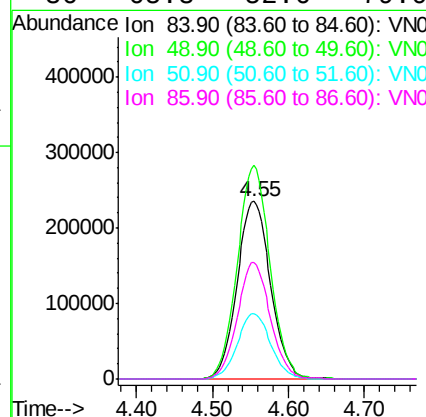
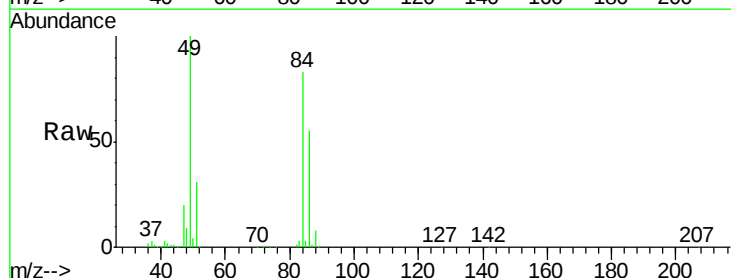
Manual Integrations
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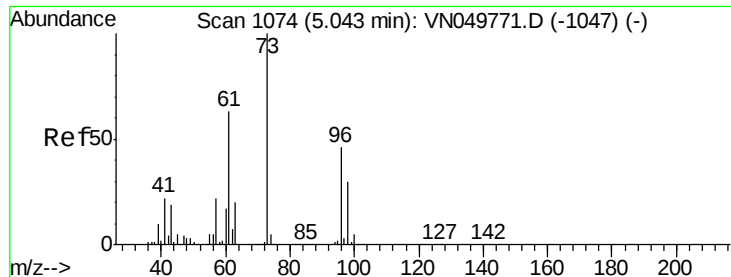
MMDadoda
7/13/2018 1:35:39 PM



#20
Methylene Chloride
Concen: 48.60 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 84 Resp: 719150
Ion Ratio Lower Upper
84 100
49 120.4 95.4 143.2
51 37.1 28.4 42.6
86 65.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.55 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

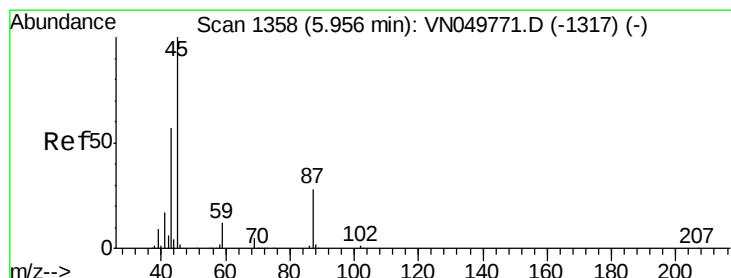
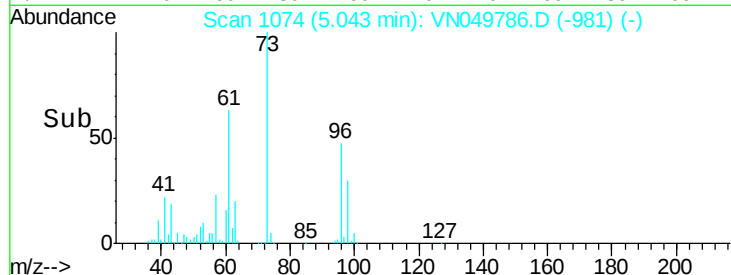
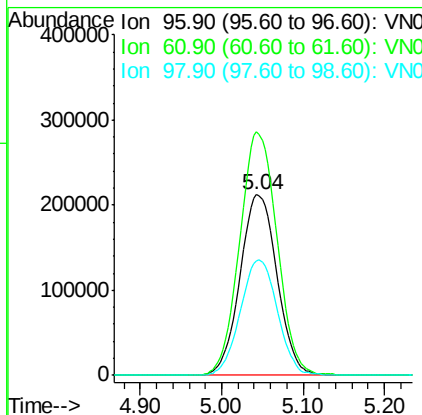
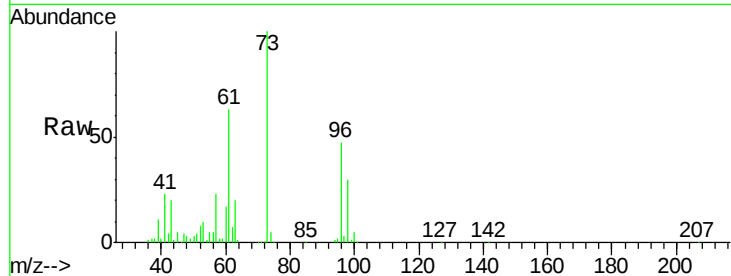
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	667165
Ion	Ratio	Lower	Upper
96	100		
61	134.8	109.0	163.6
98	63.6	51.1	76.7

Manual Integrations
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MMDadoda
7/13/2018 1:35:39 PM



#22

Diisopropyl ether

Concen: 49.28 ug/l

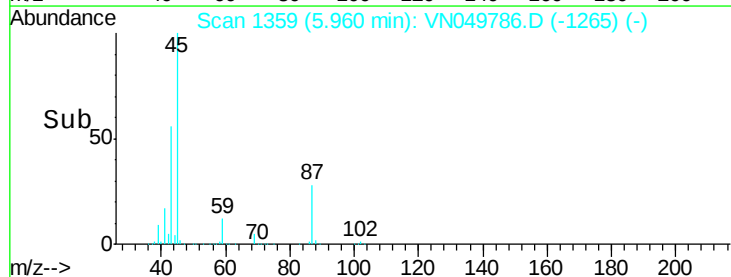
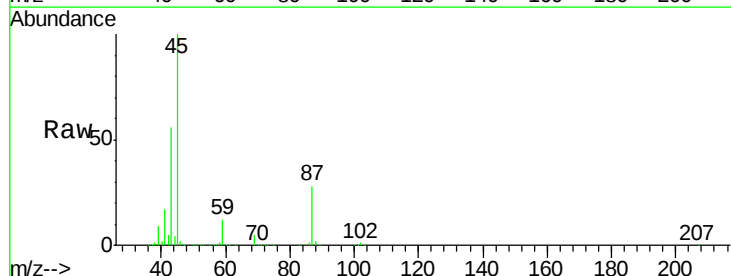
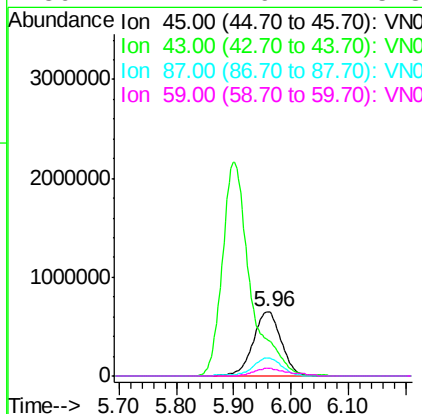
RT: 5.96 min Scan# 1359

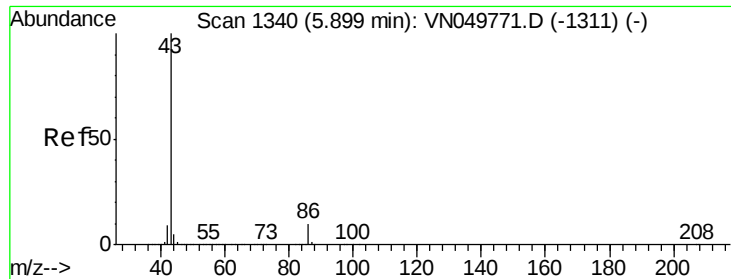
Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion:	45	Resp:	2213876
Ion	Ratio	Lower	Upper
45	100		
43	56.0	48.1	72.1
87	28.0	22.6	34.0
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 243.42 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 7328241

Ion Ratio Lower Upper

43 100

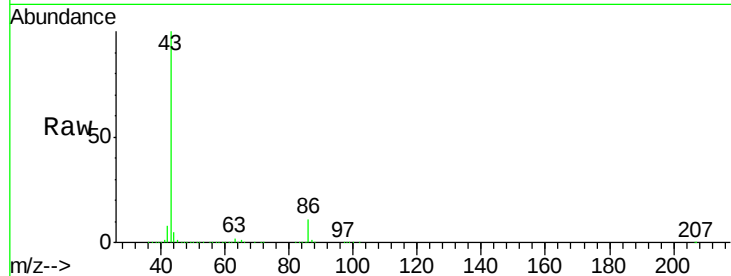
86 10.5 8.4 12.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

2500000

2000000

1500000

1000000

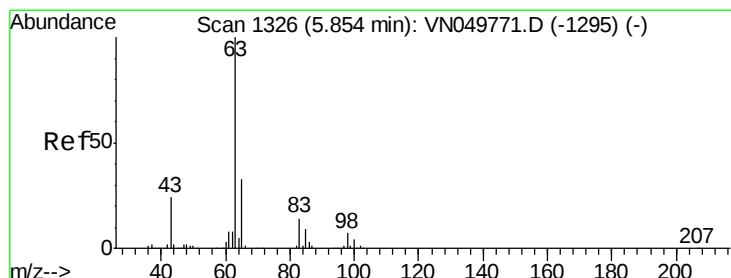
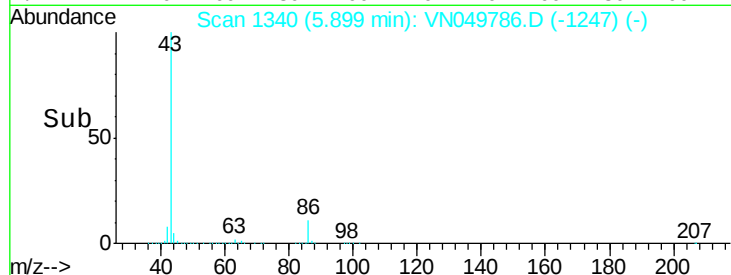
500000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.16 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

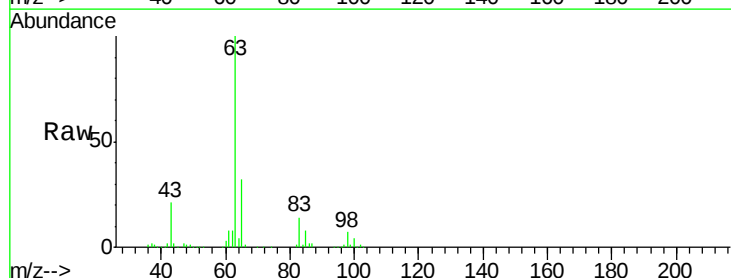
Tgt Ion: 63 Resp: 1302666

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.1 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

500000

400000

300000

200000

100000

0

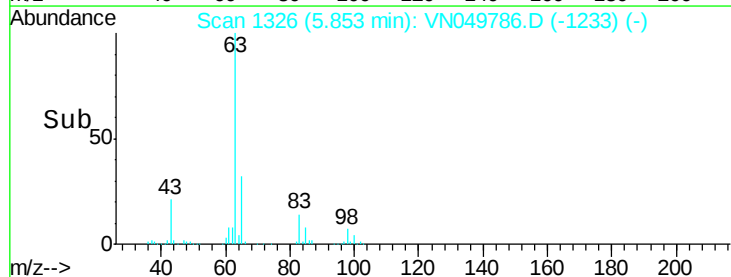
5.70

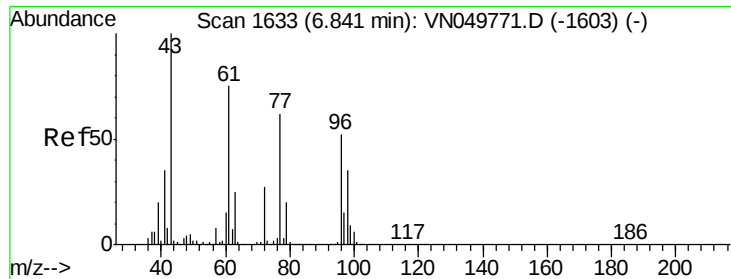
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 225.19 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1265027

Ion Ratio Lower Upper

43 100

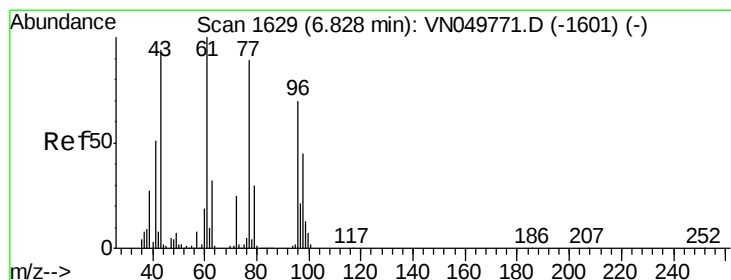
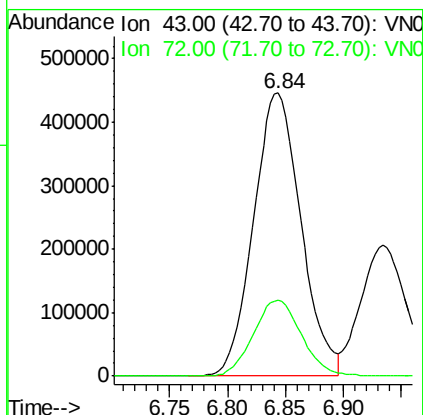
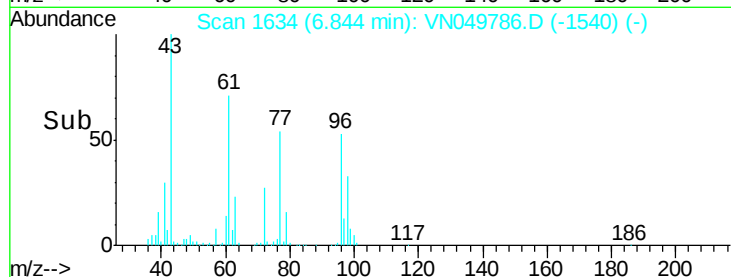
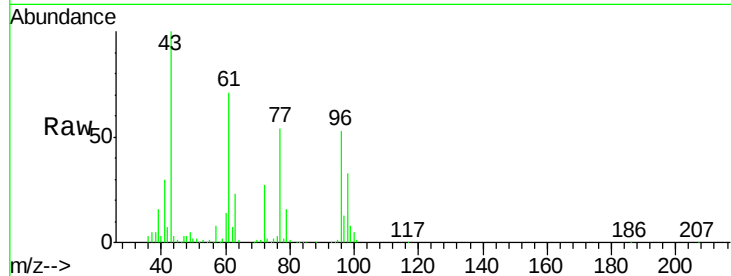
72 26.7 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

7/13/2018 1:35:39 PM



#26

2,2-Dichloropropane

Concen: 40.95 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049786.D

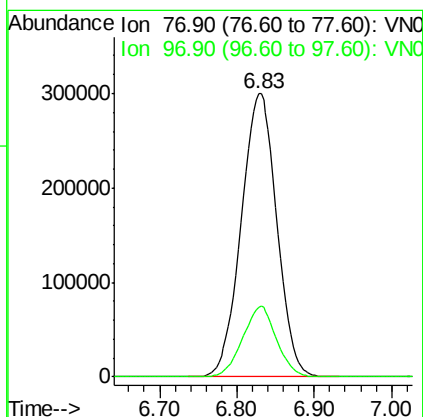
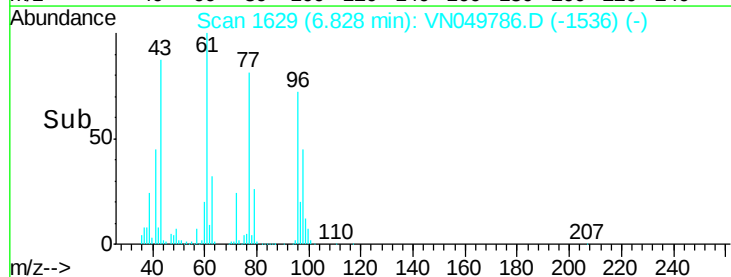
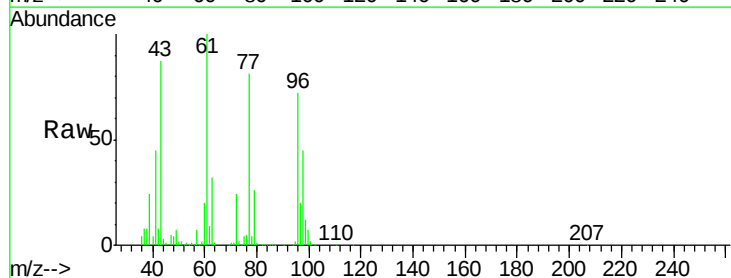
Acq: 12 Jul 2018 22:45

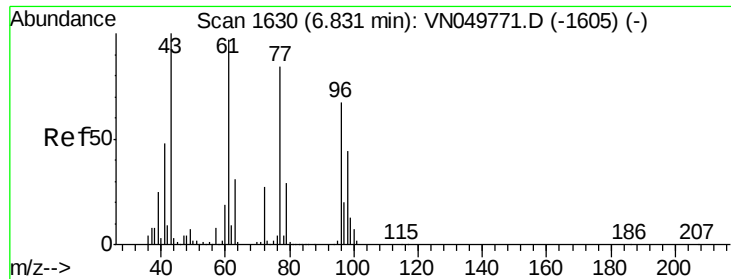
Tgt Ion: 77 Resp: 959079

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 47.17 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

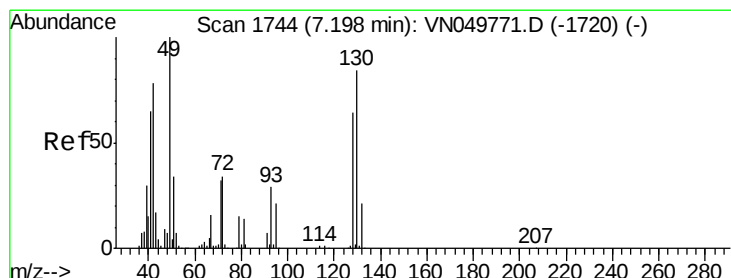
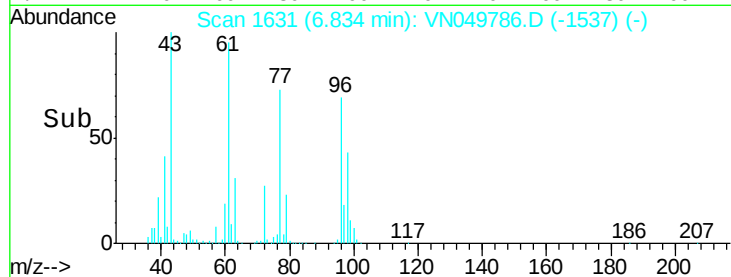
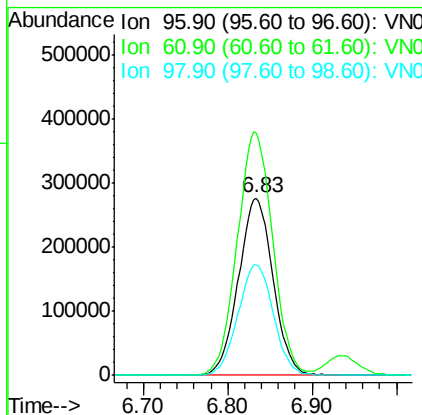
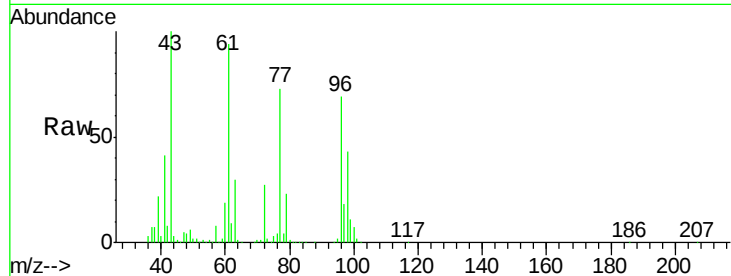
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	790247
Ion Ratio	Lower	Upper	
96	100		
61	140.5	0.0	289.0
98	63.9	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 47.84 ug/l

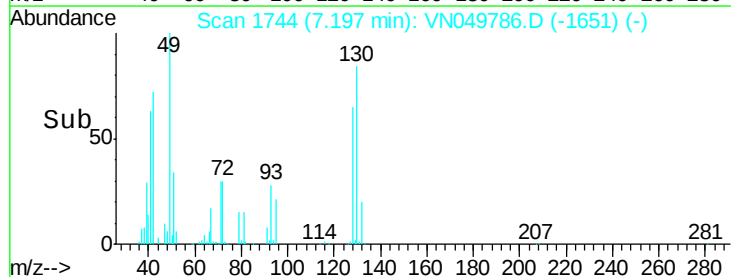
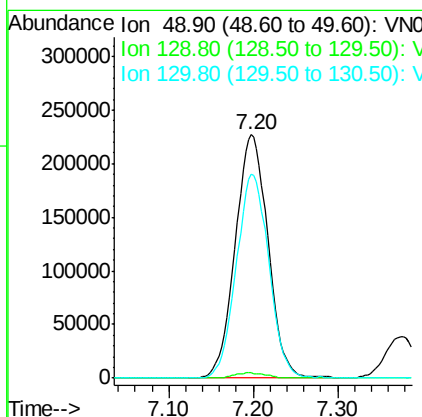
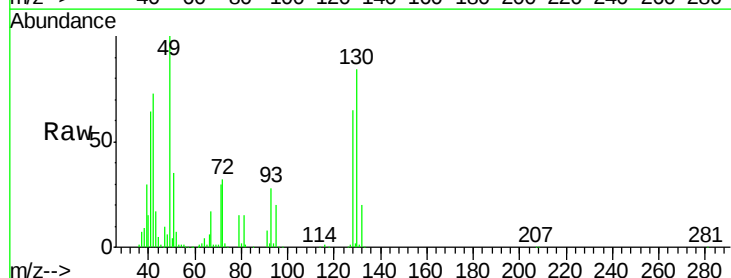
RT: 7.20 min Scan# 1744

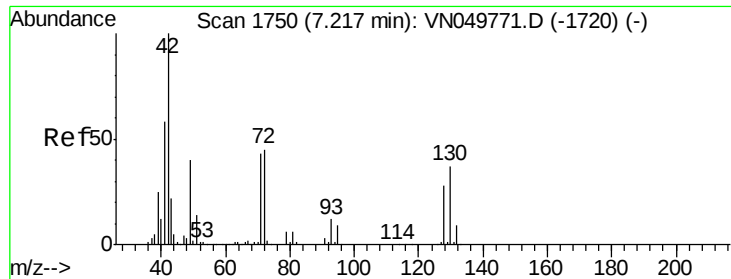
Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion:	49	Resp:	614102
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	83.2	65.5	98.3





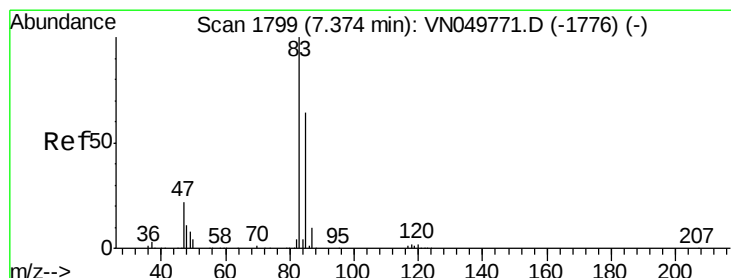
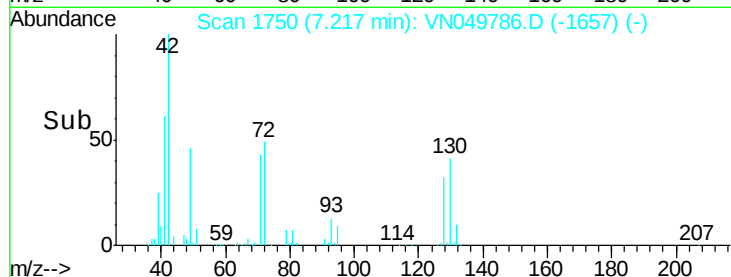
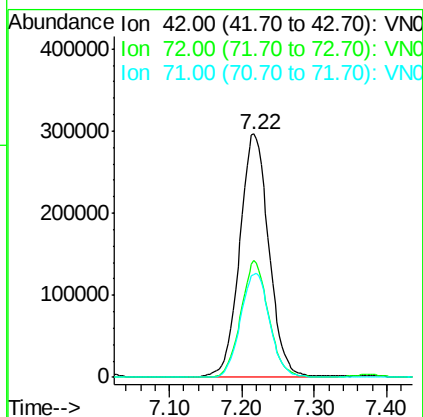
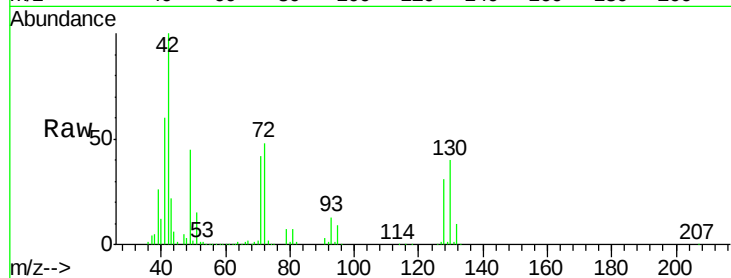
#29
Tetrahydrofuran
Concen: 235.20 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.6	53.4
71	42.9	34.0	51.0

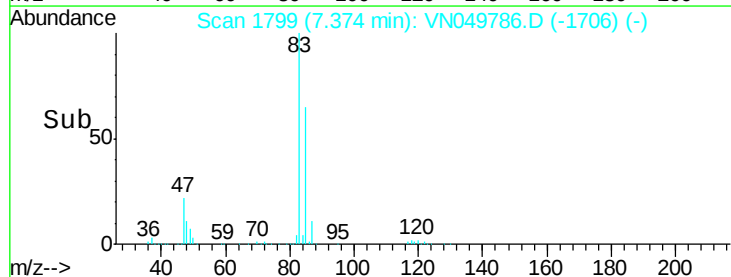
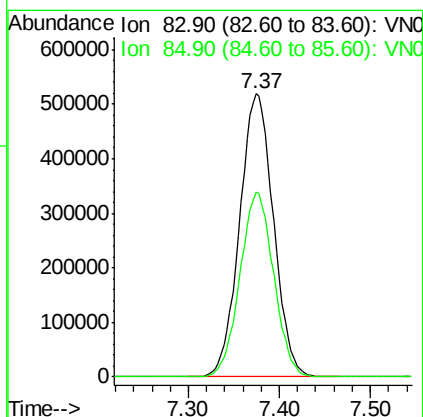
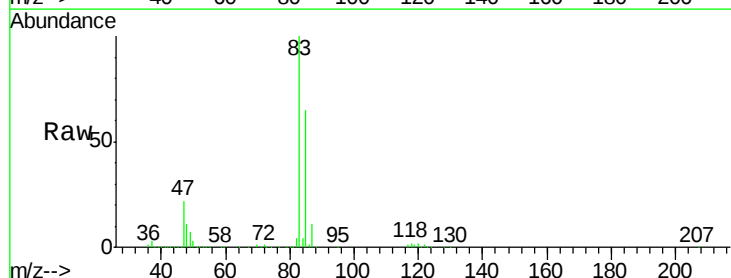
Manual Integrations
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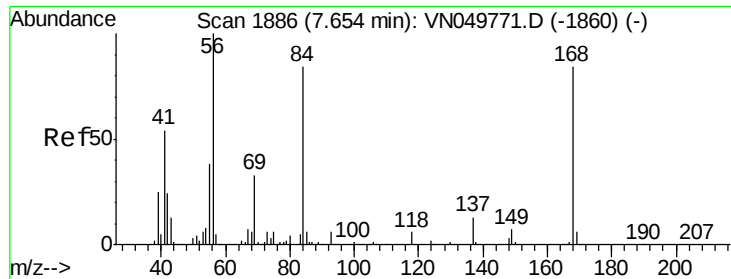
MMDadoda
7/13/2018 1:35:39 PM



#30
Chloroform
Concen: 46.21 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





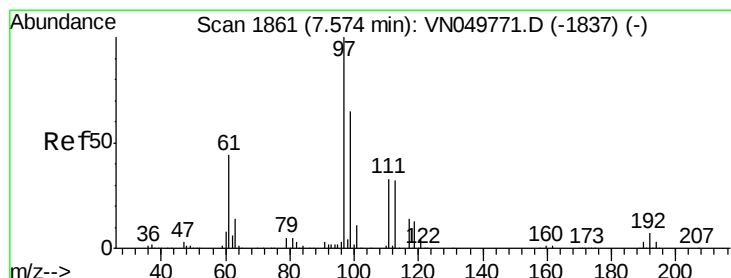
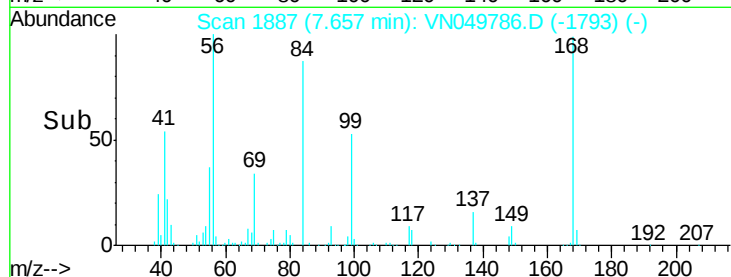
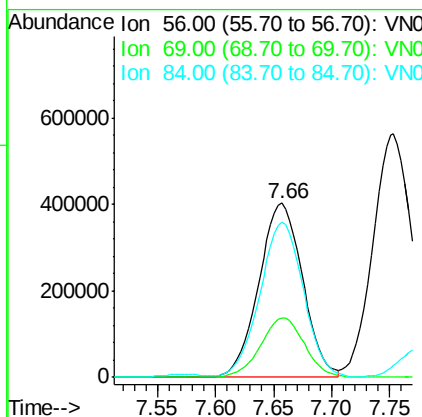
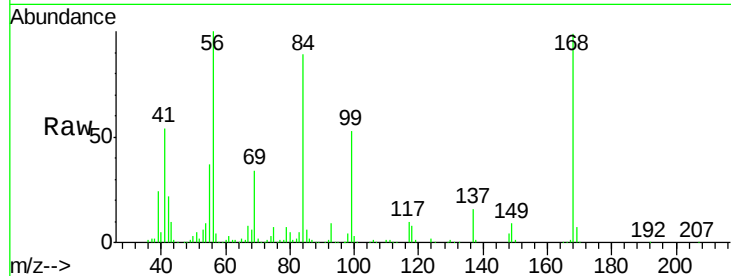
#31
Cyclohexane
Concen: 47.05 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 1057202
Ion Ratio Lower Upper
56 100
69 34.3 26.6 40.0
84 87.7 69.0 103.6

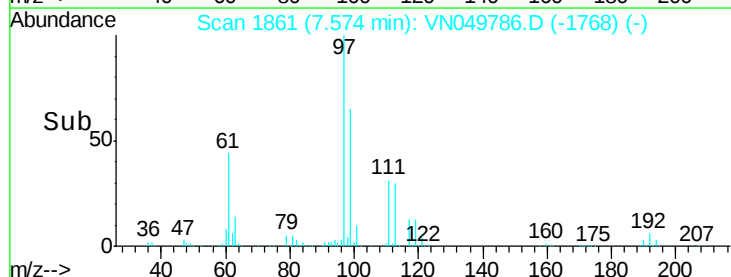
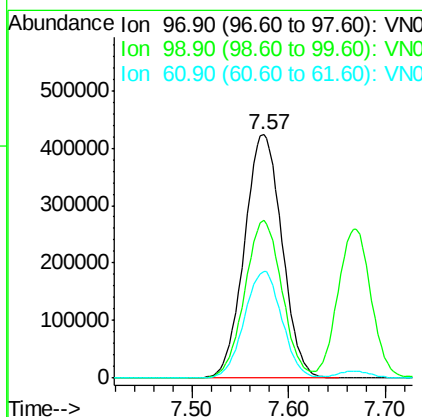
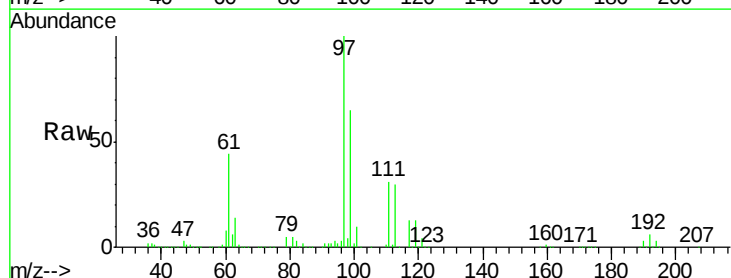
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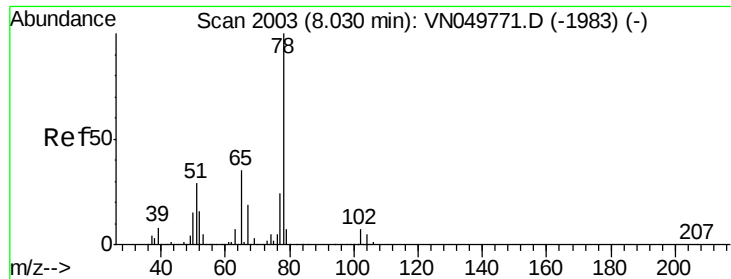
MMDadoda
7/13/2018 1:35:39 PM



#32
1,1,1-Trichloroethane
Concen: 46.25 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 97 Resp: 1142088
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 43.8 35.5 53.3





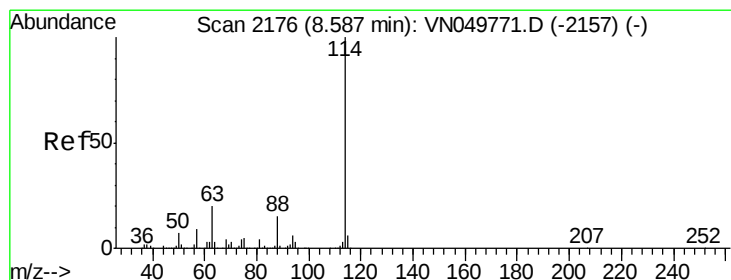
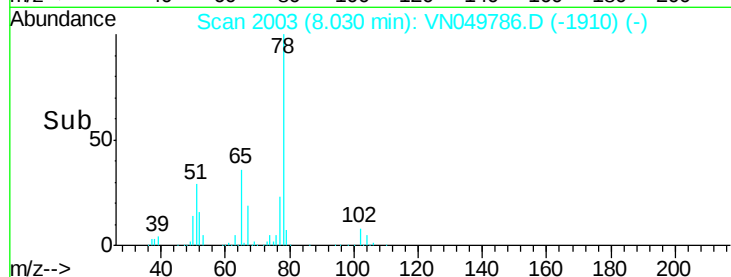
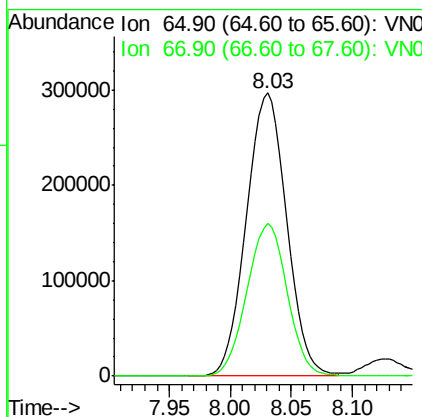
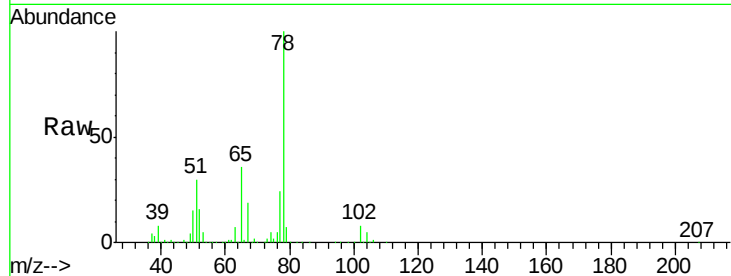
#33
 1,2-Dichloroethane-d4
 Concen: 47.17 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	680048		
67	54.0	0.0	107.2	

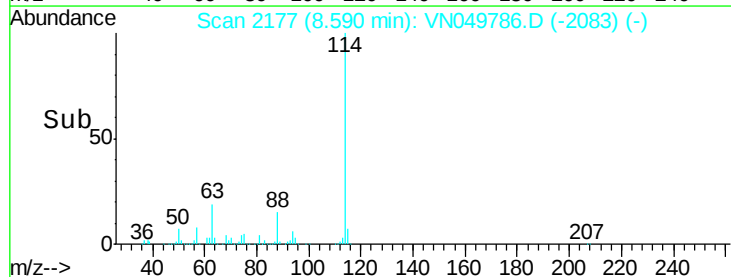
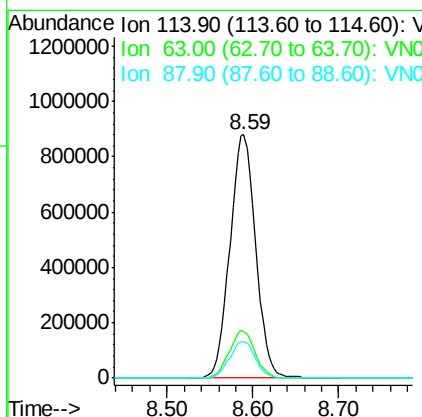
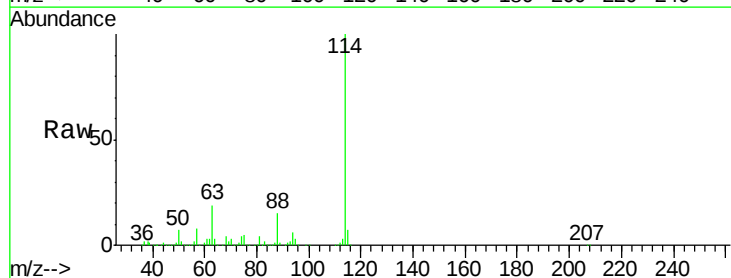
Manual Integrations
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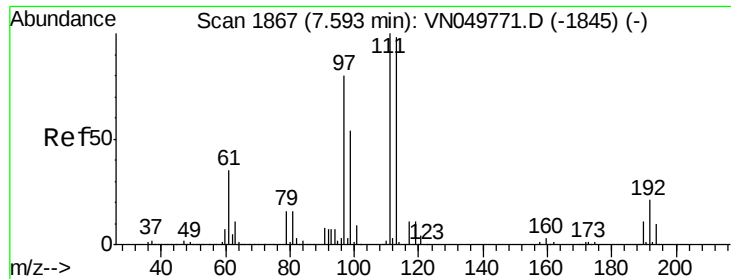
MMDadoda
 7/13/2018 1:35:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1823704		
63	19.2	0.0	39.8	
88	14.9	0.0	30.6	





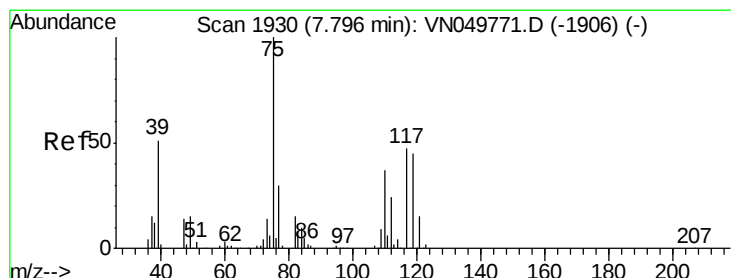
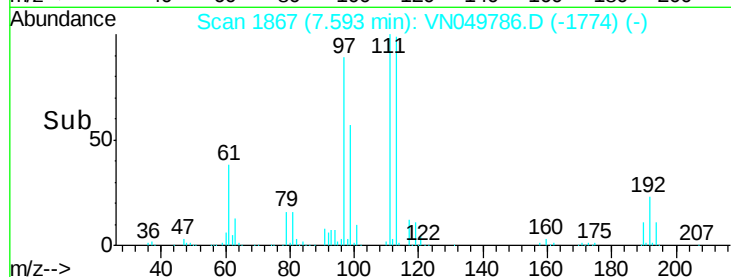
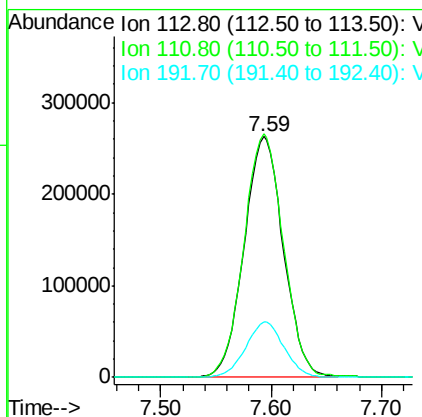
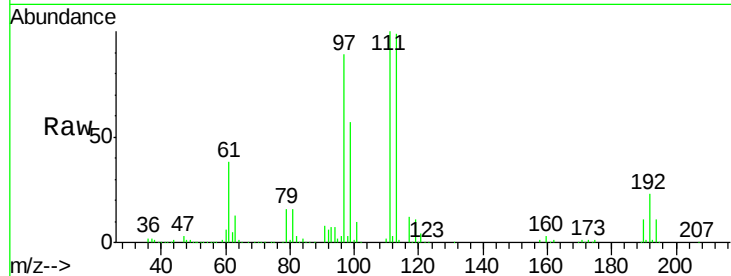
#35
 Dibromofluoromethane
 Concen: 47.15 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	648090		
111	102.3	81.8	122.8	
192	22.6	17.8	26.6	

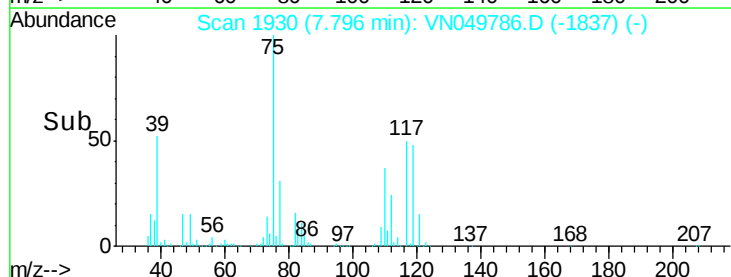
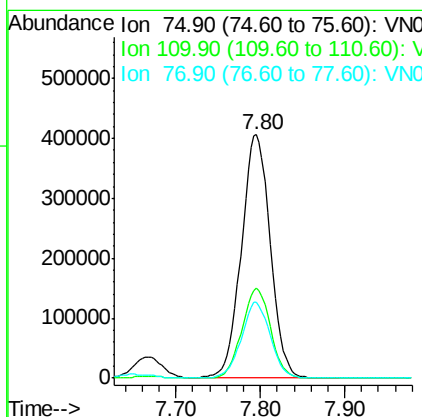
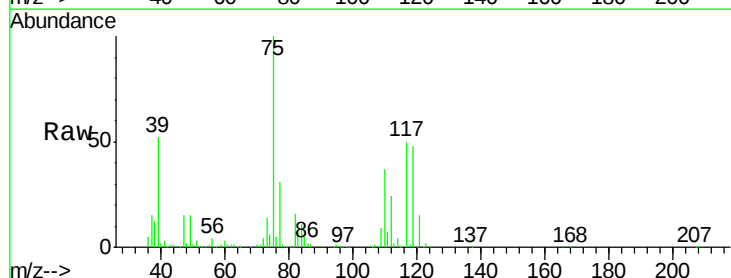
Manual Integrations
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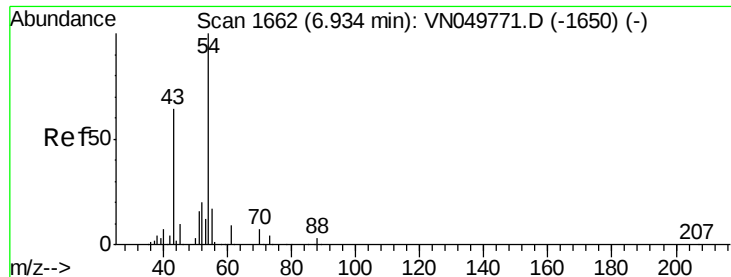
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.96 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	965978		
110	36.5	18.1	54.4	
77	31.2	24.9	37.3	





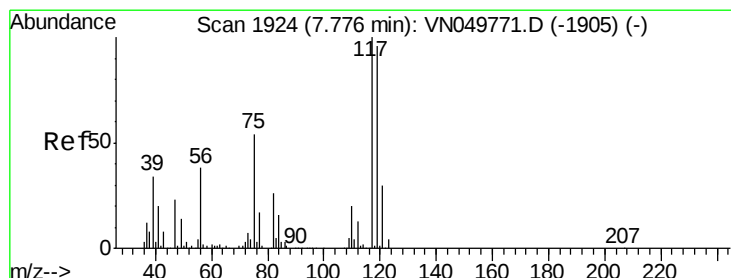
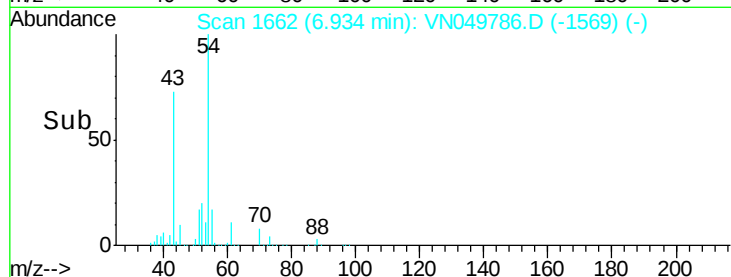
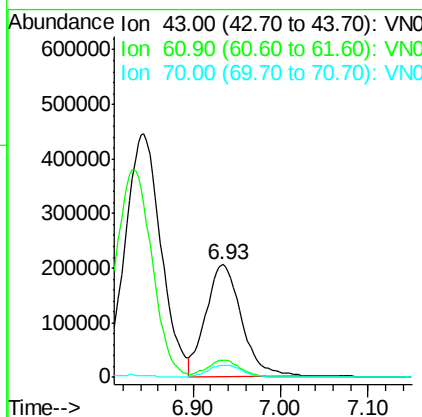
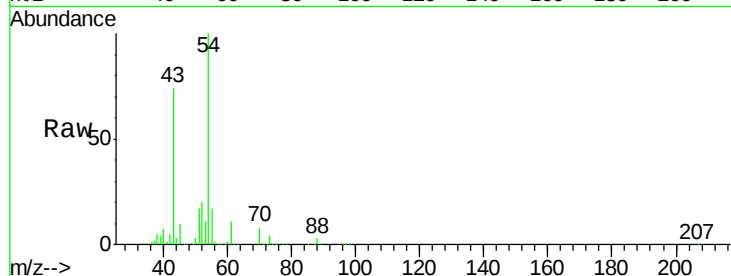
#37
Ethyl Acetate
Concen: 46.73 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	10.3	8.4	12.6

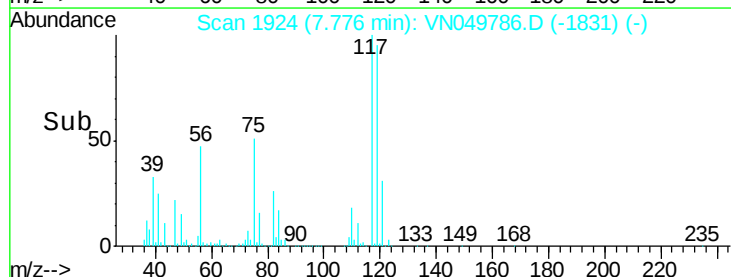
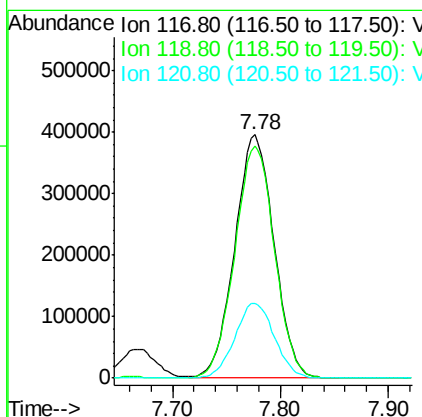
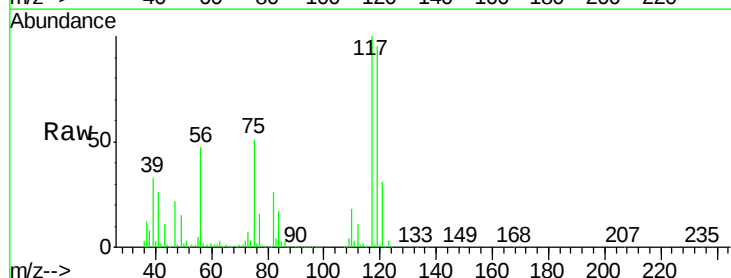
Manual Integrations
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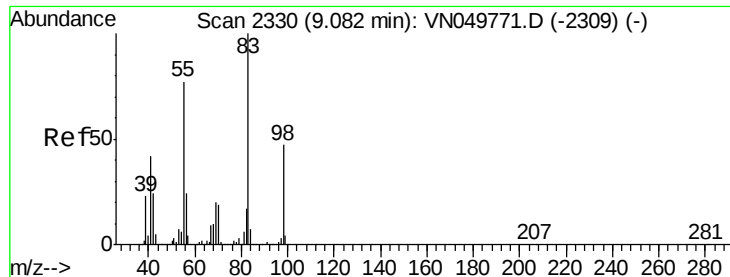
MMDadoda
7/13/2018 1:35:39 PM



#38
Carbon Tetrachloride
Concen: 45.58 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.2	115.8
121	30.9	25.0	37.6





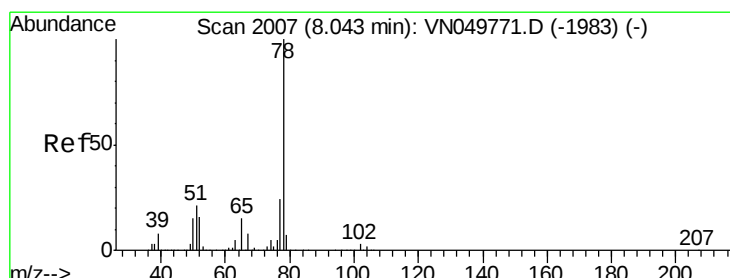
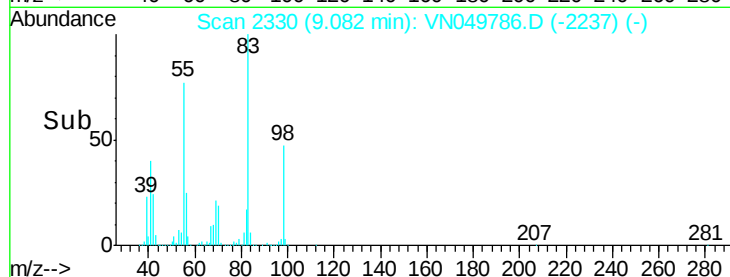
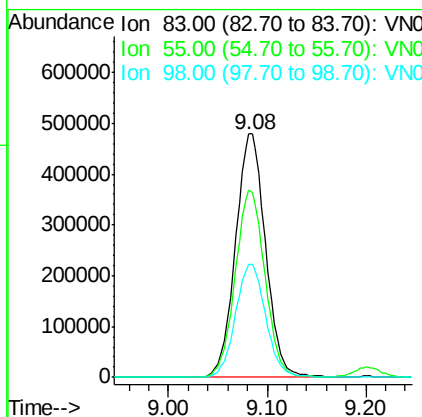
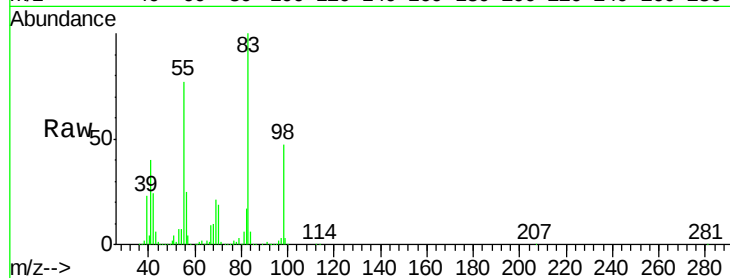
#39
Methvlcvclohexane
Concen: 45.69 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 1012227
Ion Ratio Lower Upper
83 100
55 76.8 59.7 89.5
98 46.5 36.5 54.7

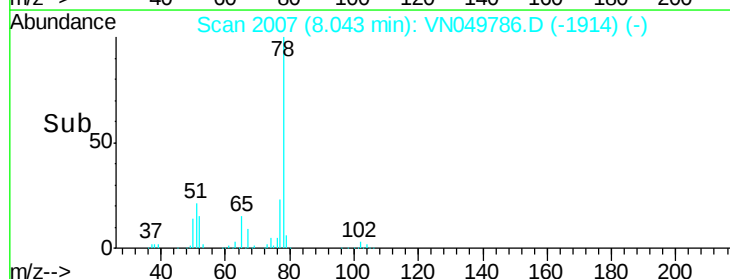
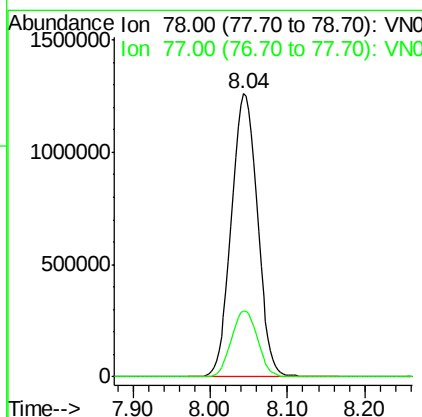
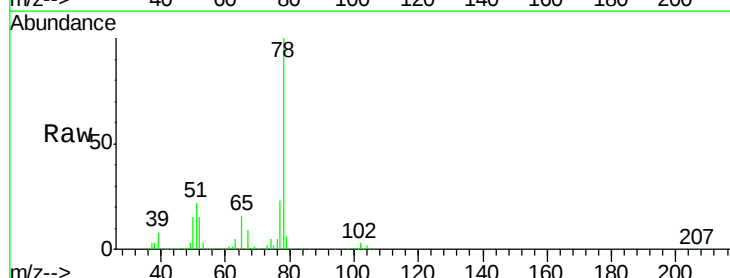
Manual Integrations
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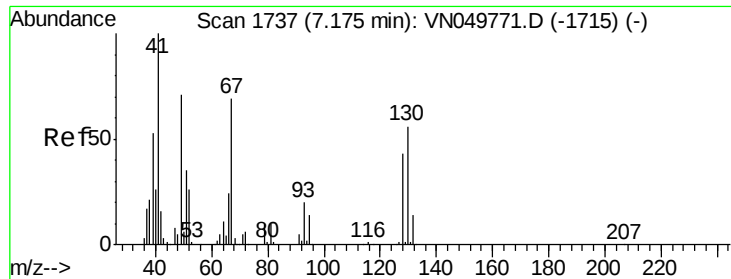
MMDadoda
7/13/2018 1:35:39 PM



#40
Benzene
Concen: 46.84 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 78 Resp: 2944767
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





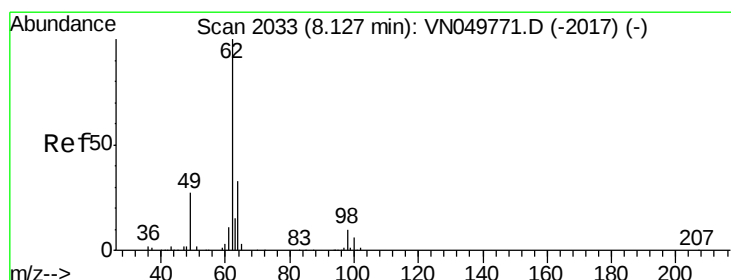
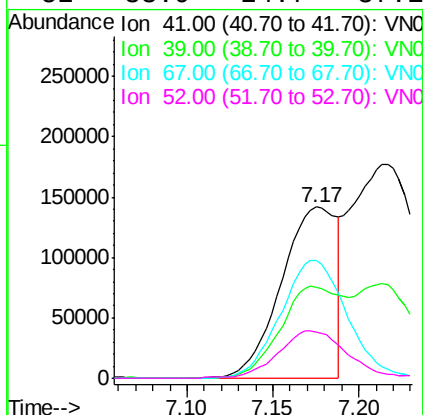
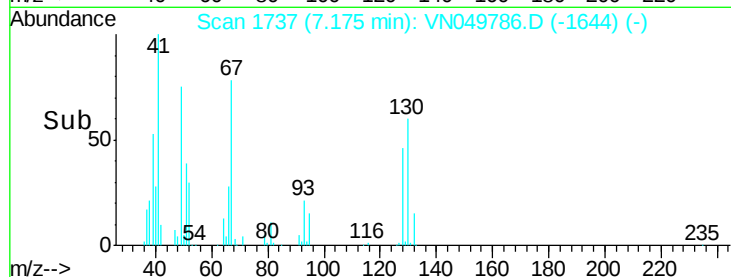
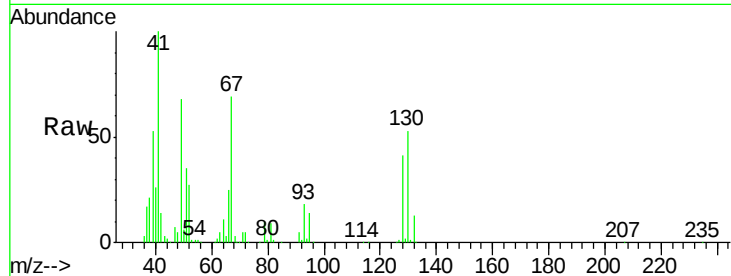
#41
Methacrylonitrile
Concen: 44.81 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		315337		
39	61.8	45.4	68.2		
67	84.3	65.4	98.0		
52	33.9	24.7	37.1		

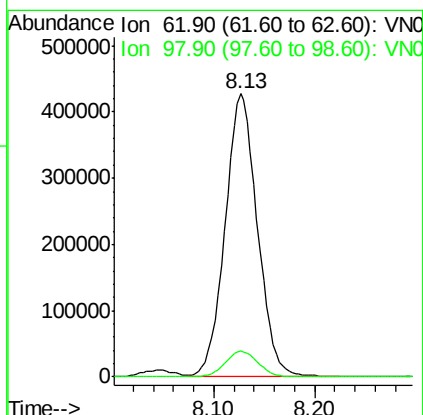
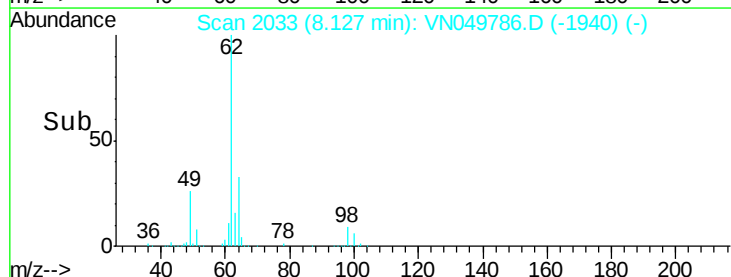
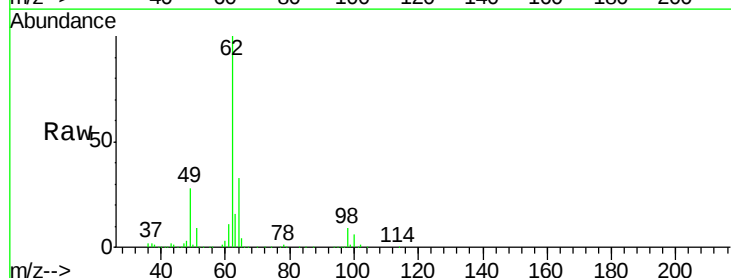
Manual Integrations
APPROVED

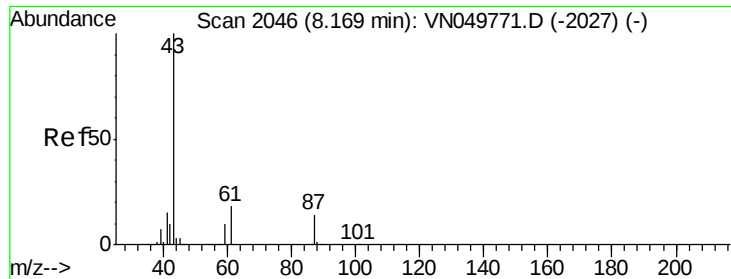
MMDadoda
7/13/2018 1:35:39 PM



#42
1,2-Dichloroethane
Concen: 46.10 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		948008		
98	9.4	0.0	19.0		





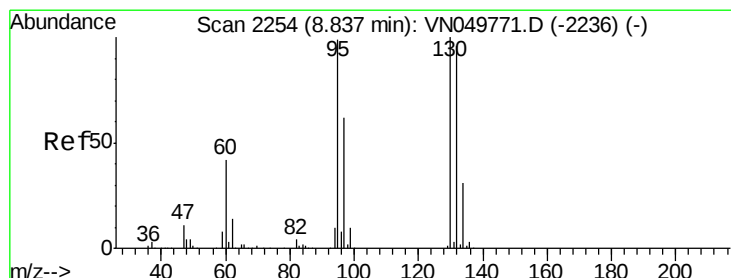
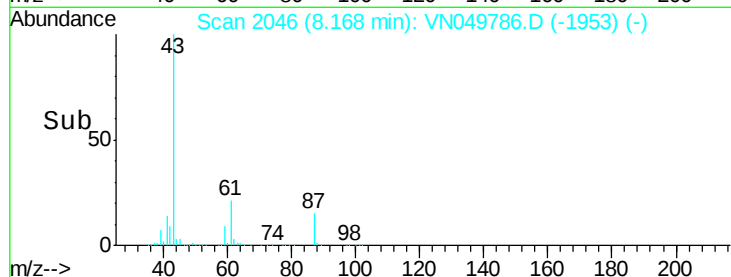
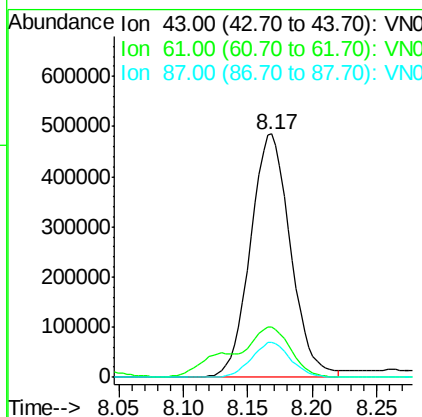
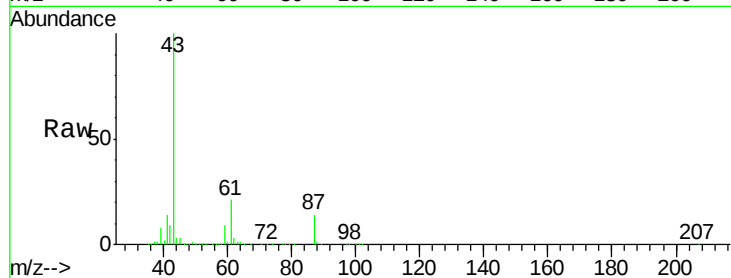
#43
Isopropyl Acetate
Concen: 47.02 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1051335
Ion Ratio Lower Upper
43 100
61 20.6 14.9 22.3
87 14.1 10.0 15.0

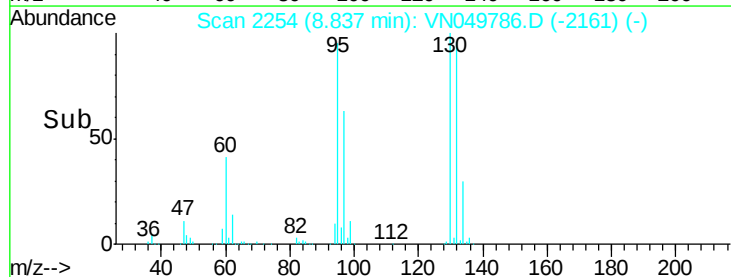
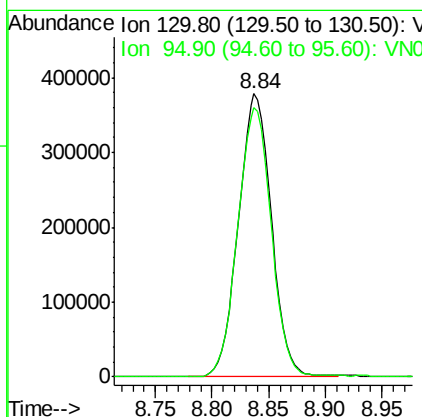
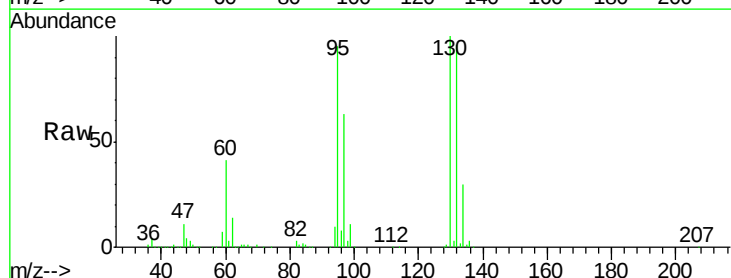
Manual Integrations
APPROVED

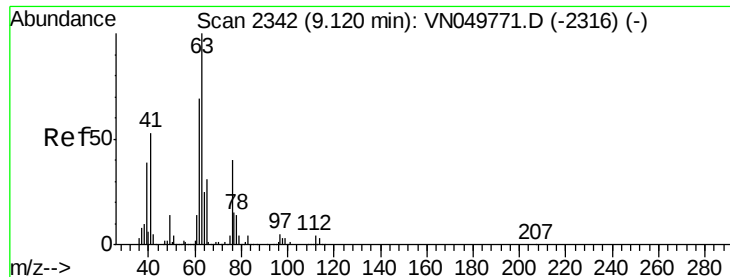
MMDadoda
7/13/2018 1:35:39 PM



#44
Trichloroethene
Concen: 45.52 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 130 Resp: 770524
Ion Ratio Lower Upper
130 100
95 95.0 0.0 192.8





#45

1,2-Dichloropropane

Concen: 47.18 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 797173

Ion Ratio Lower Upper

63 100

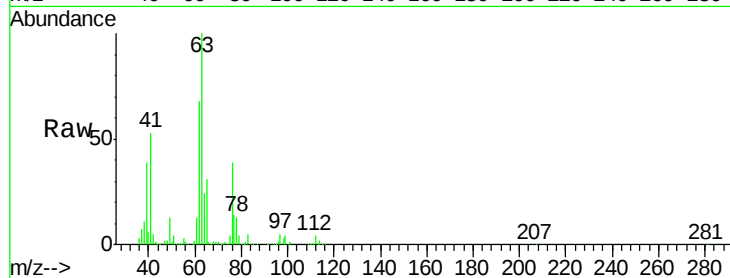
65 30.9 24.7 37.1

Manual Integrations

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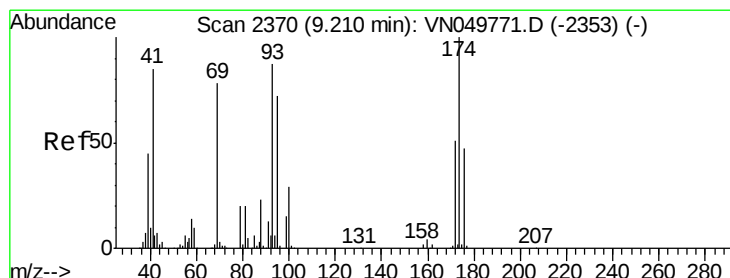
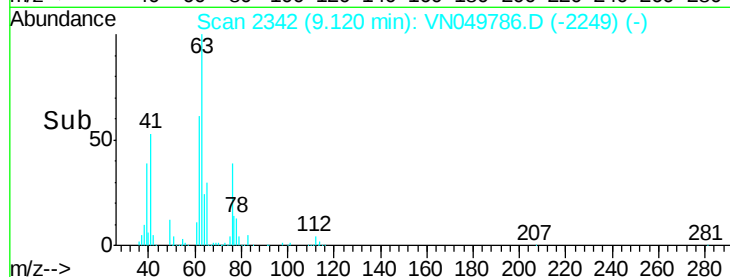
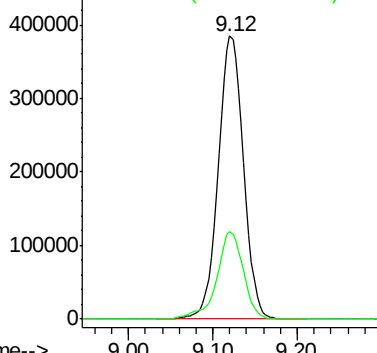
MMDadoda

7/13/2018 1:35:39 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 46.23 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

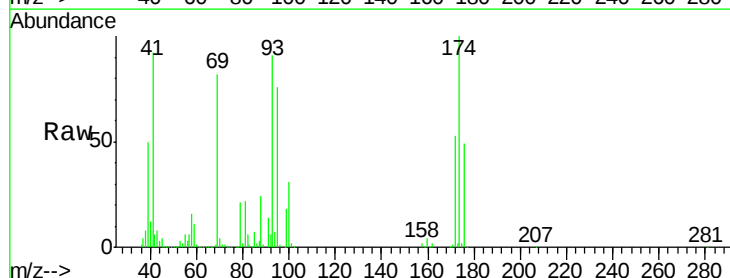
Tgt Ion: 93 Resp: 463857

Ion Ratio Lower Upper

93 100

95 83.4 67.9 101.9

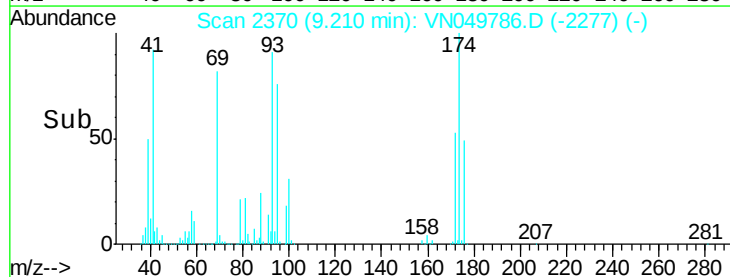
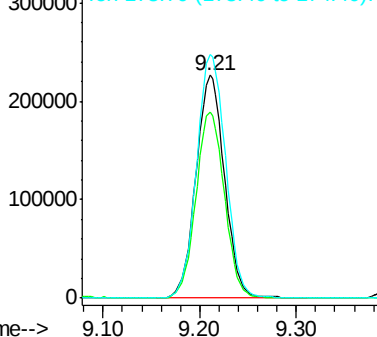
174 111.2 89.4 134.0

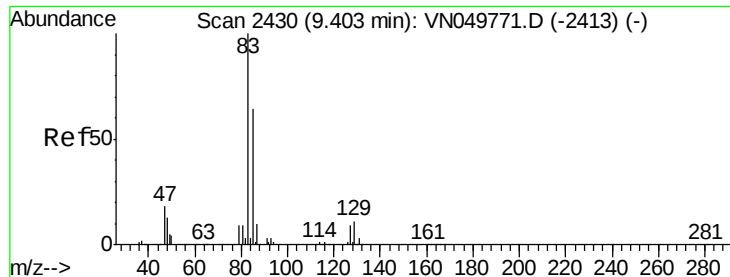


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.89 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 1036254

Ion Ratio Lower Upper

83 100

85 63.9 50.5 75.7

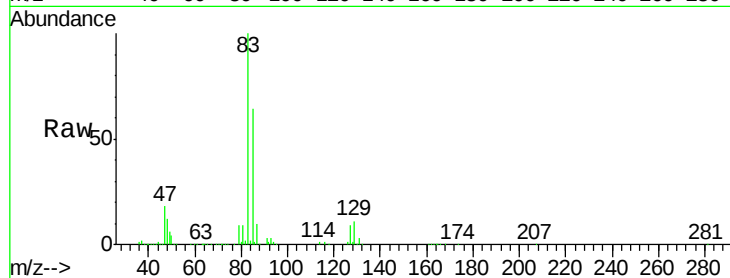
127 8.8 6.8 10.2

Manual Integrations

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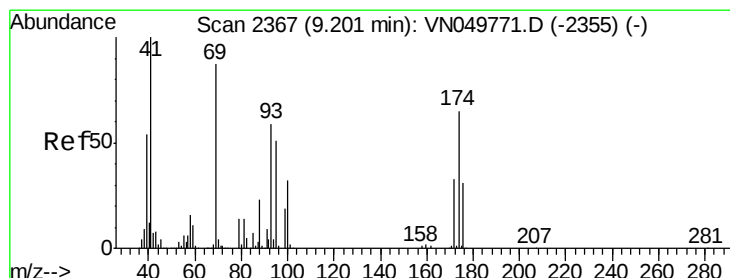
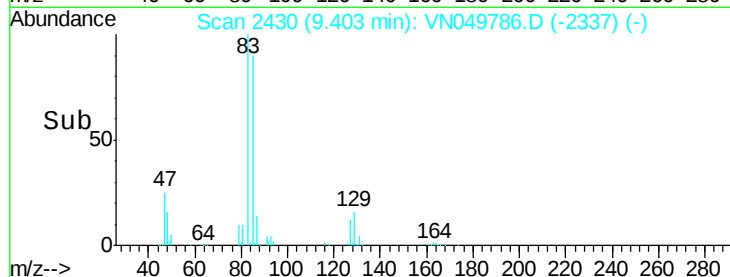
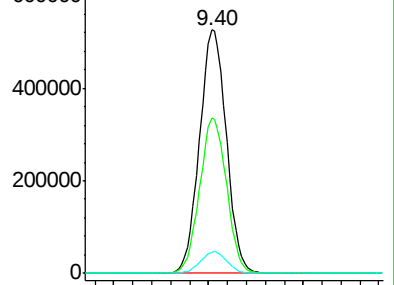
7/13/2018 1:35:39 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049786.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049786.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049786.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.35 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

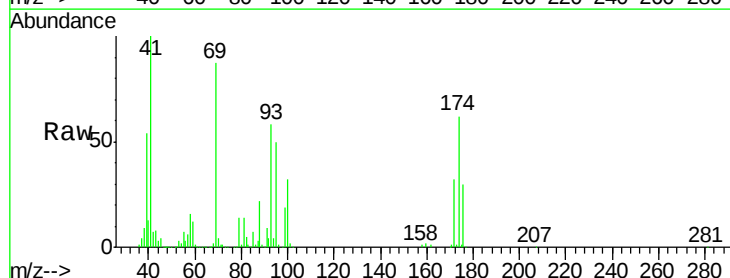
Tgt Ion: 41 Resp: 540530

Ion Ratio Lower Upper

41 100

69 87.9 71.5 107.3

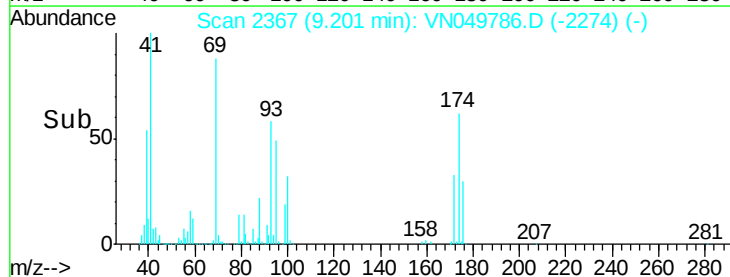
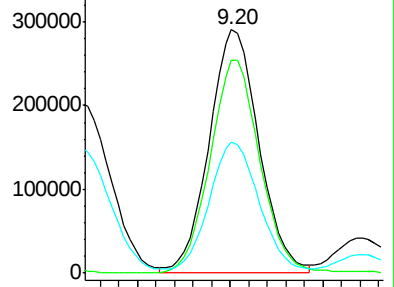
39 54.5 44.7 67.1

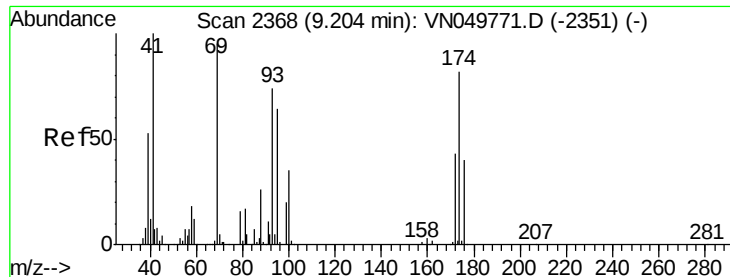


Abundance Ion 41.00 (40.70 to 41.70): VN049786.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049786.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049786.D (-2274) (-)





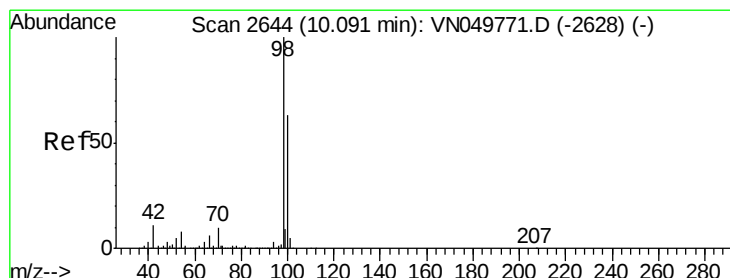
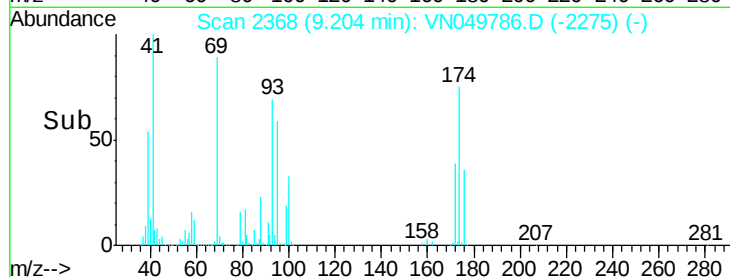
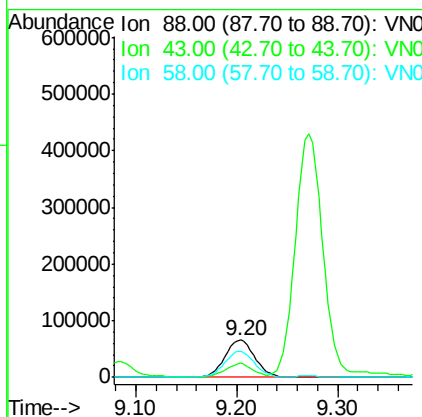
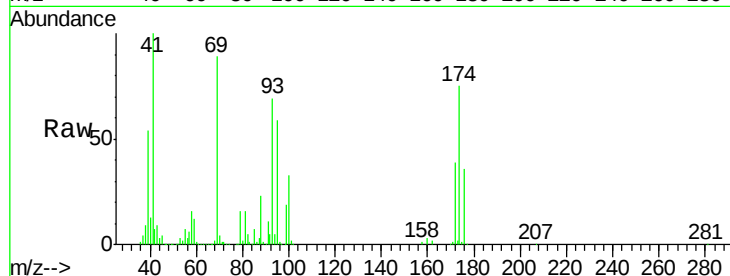
#49
1,4-Dioxane
Concen: 935.50 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.1	37.7
58	69.7	52.5	78.7

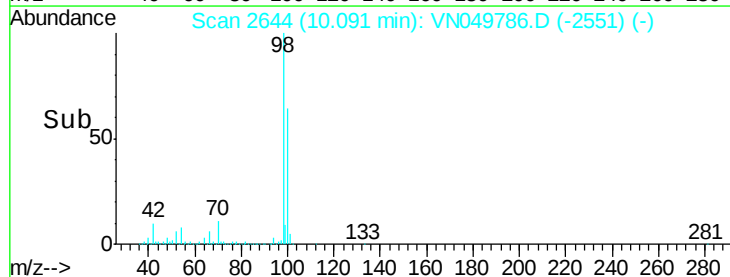
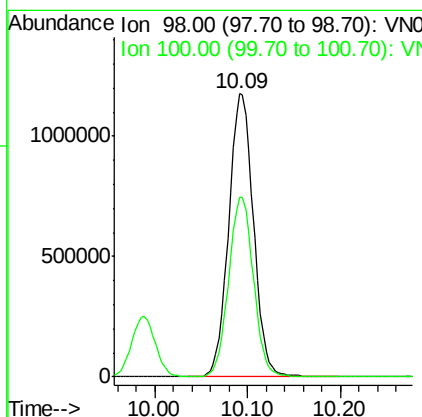
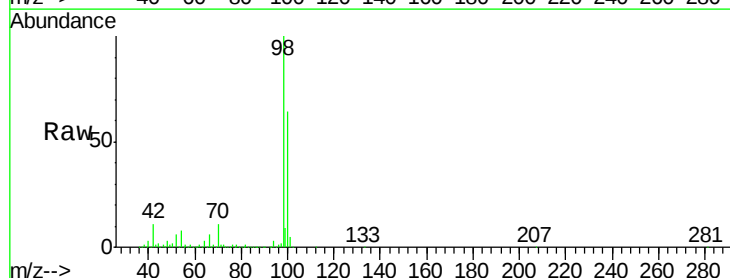
Manual Integrations
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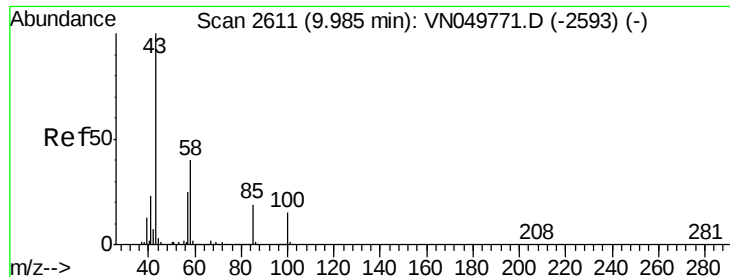
MMDadoda
7/13/2018 1:35:39 PM



#50
Toluene-d8
Concen: 46.23 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





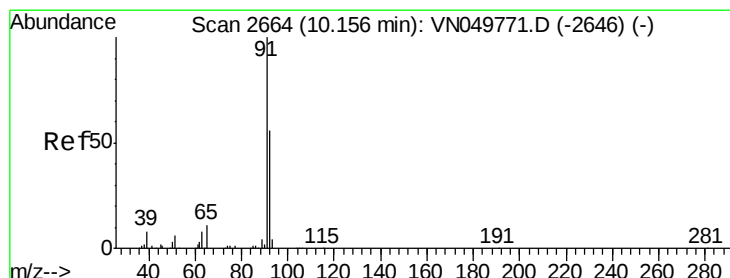
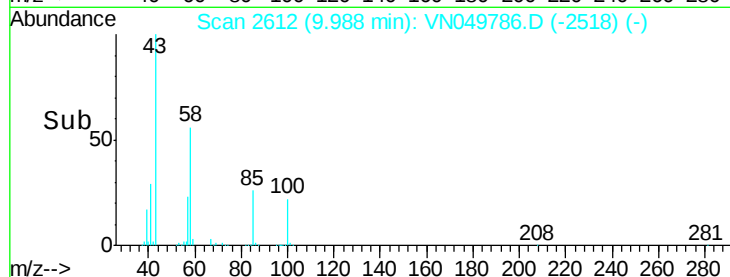
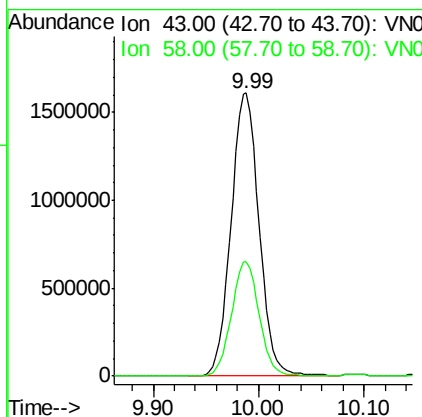
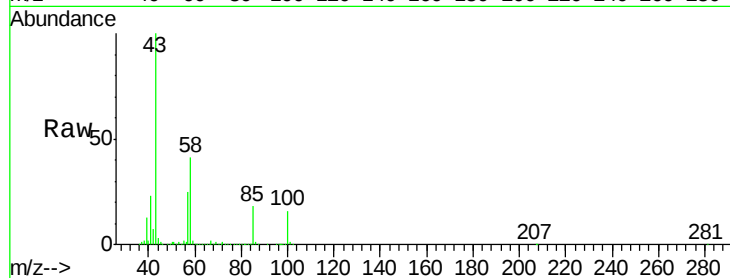
#51
4-Methyl-2-Pentanone
Concen: 243.40 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2954904
Ion Ratio Lower Upper
43 100
58 39.9 31.8 47.8

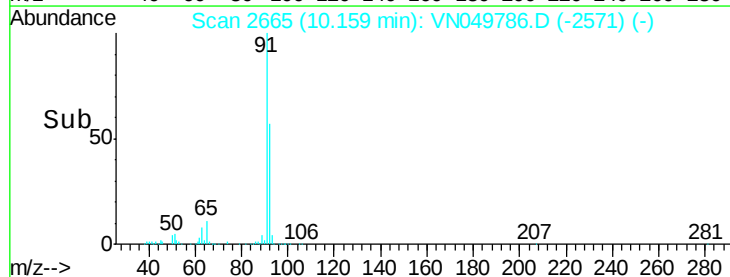
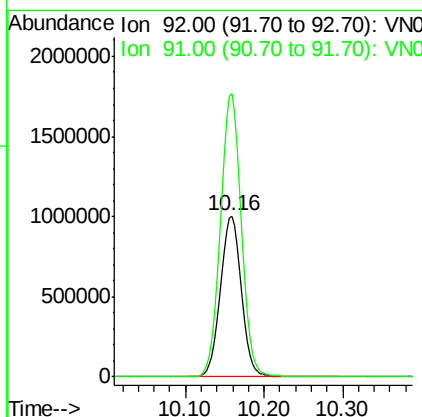
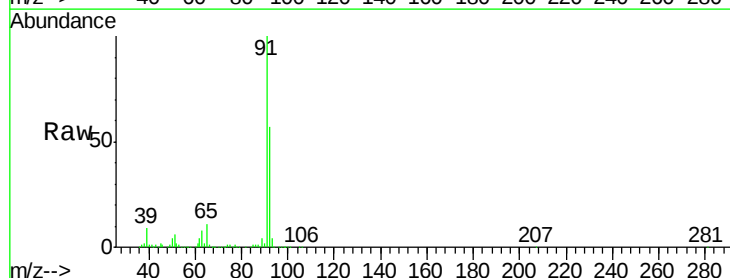
Manual Integrations
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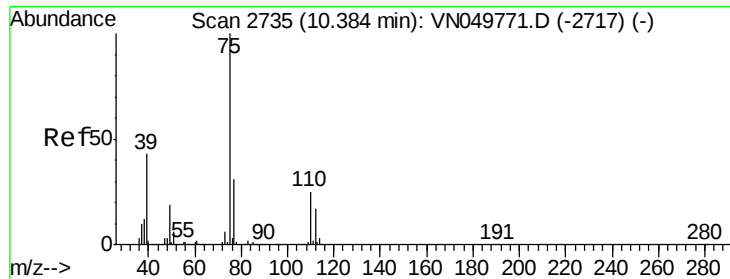
MMDadoda
7/13/2018 1:35:39 PM



#52
Toluene
Concen: 48.59 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 92 Resp: 1828377
Ion Ratio Lower Upper
92 100
91 176.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 47.09 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 1000818

Ion Ratio Lower Upper

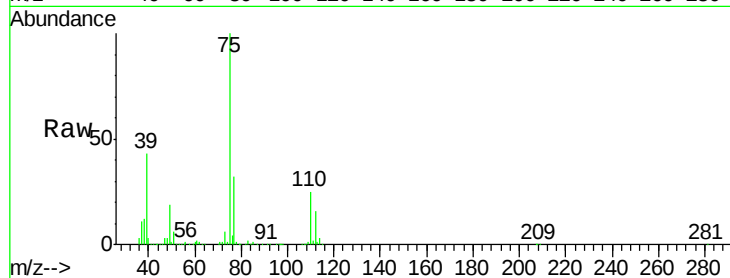
75 100

77 31.8 25.2 37.8

Manual Integrations
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MMDadoda

7/13/2018 1:35:39 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

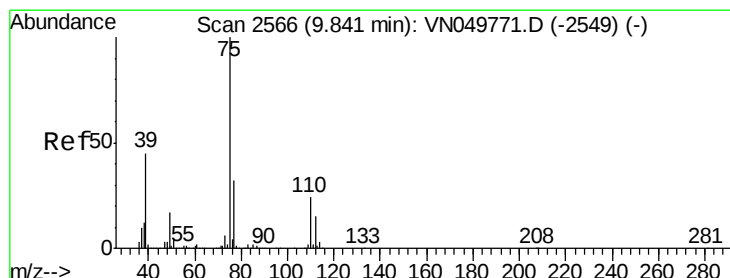
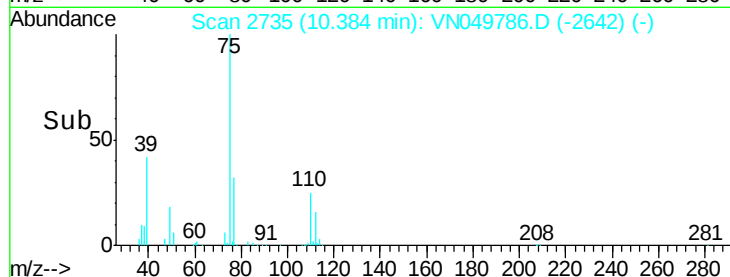
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.04 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

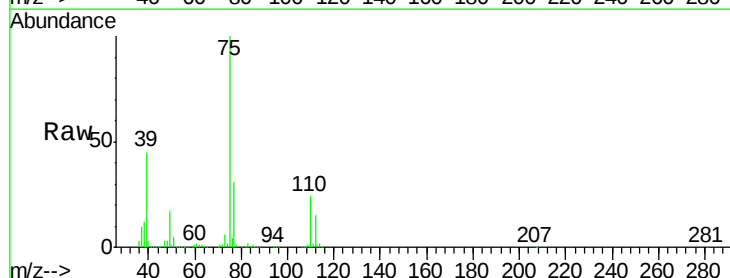
Tgt Ion: 75 Resp: 1163031

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 44.6 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

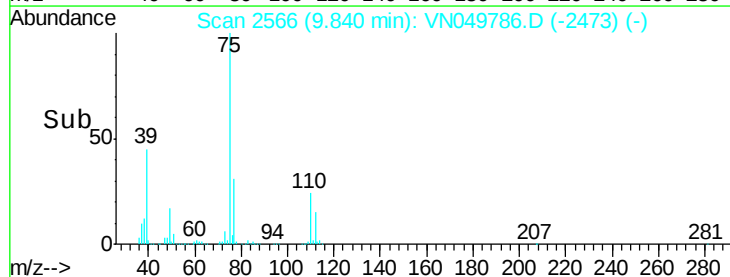
600000

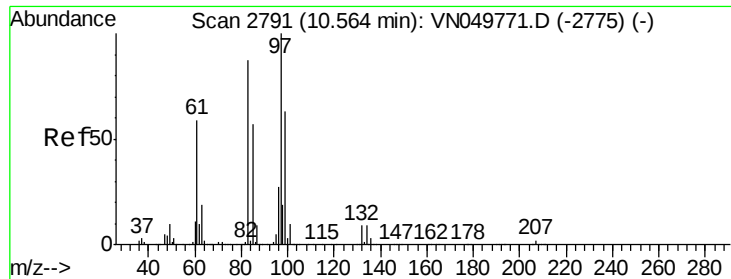
400000

200000

0

Time-->





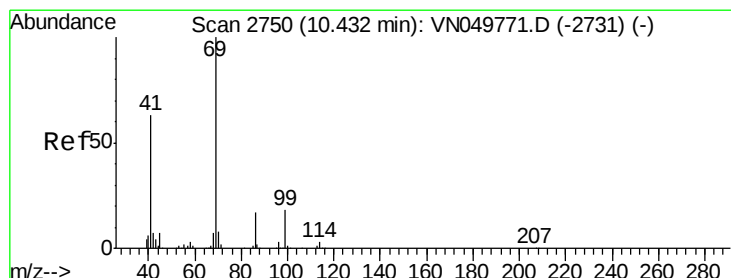
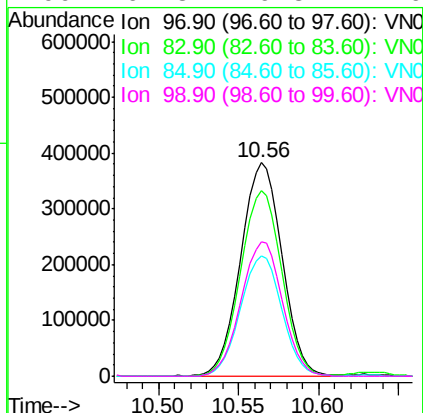
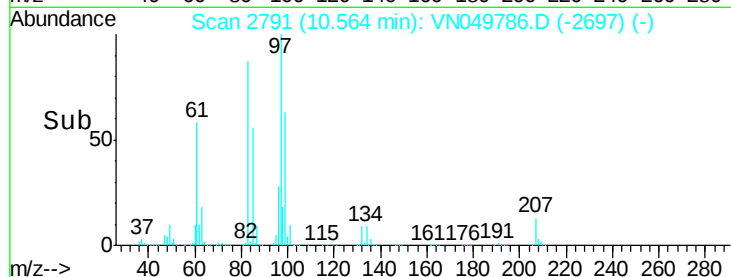
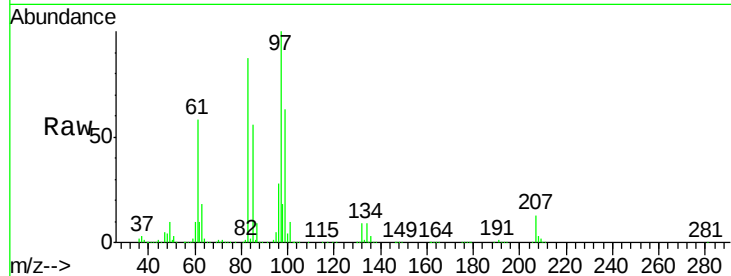
#55
 1,1,2-Trichloroethane
 Concen: 47.65 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.9	69.0	103.6	
85	56.4	44.9	67.3	
99	62.8	49.8	74.6	

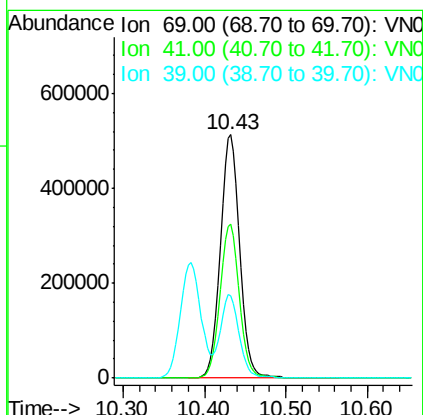
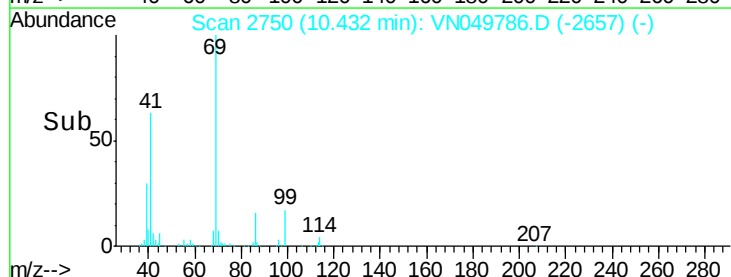
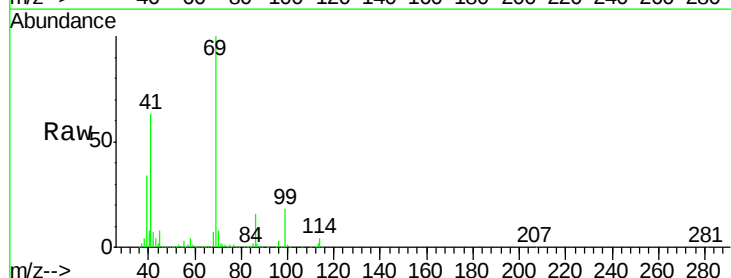
Manual Integrations
 APPROVED

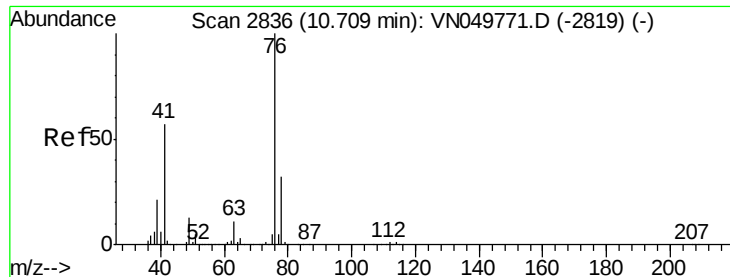
MMDadoda
 7/13/2018 1:35:39 PM



#56
 Ethyl methacrylate
 Concen: 50.74 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.7	51.6	77.4	
39	32.9	25.8	38.8	





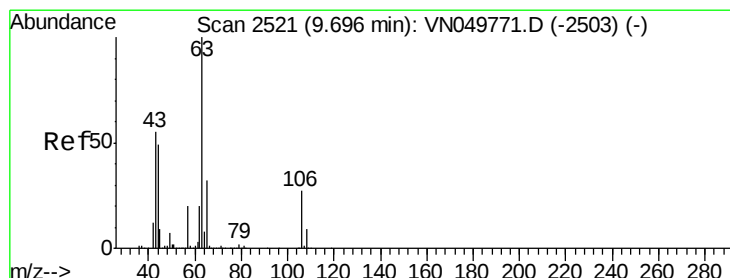
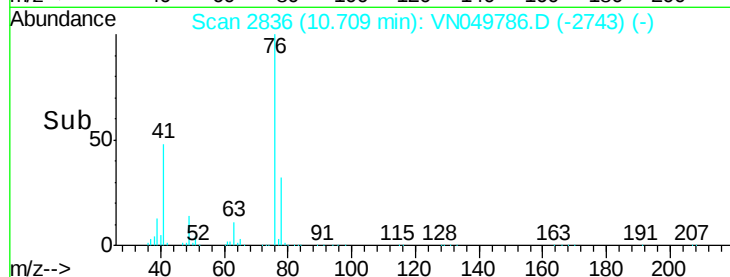
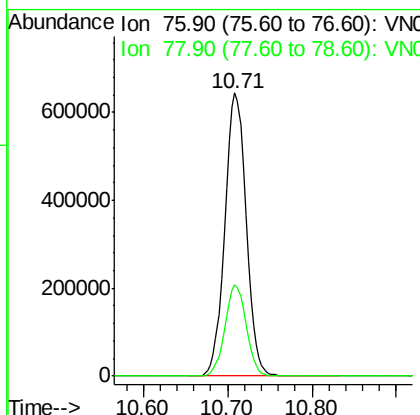
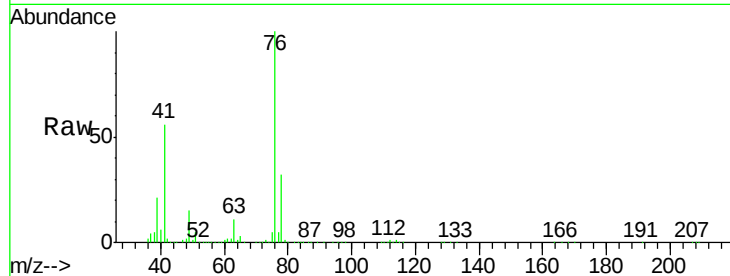
#57
 1,3-Dichloropropane
 Concen: 47.20 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 1131355
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

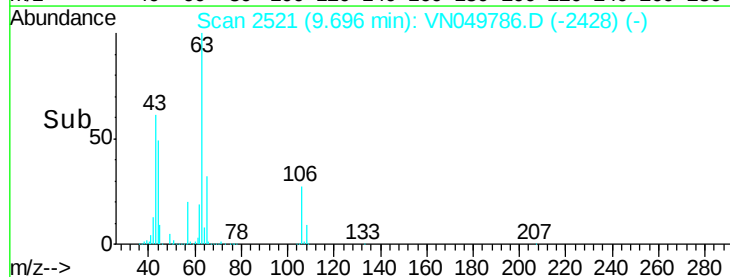
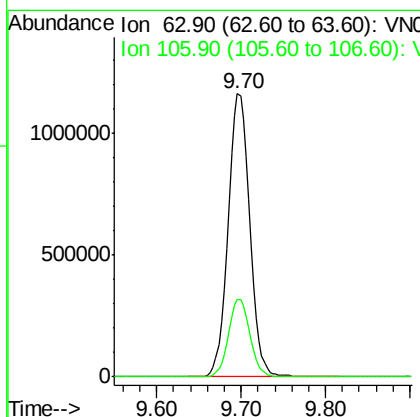
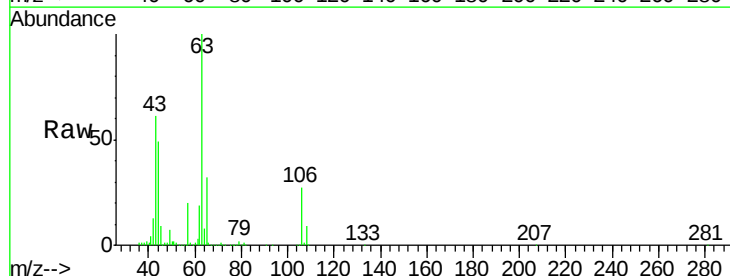
Manual Integrations
 APPROVED

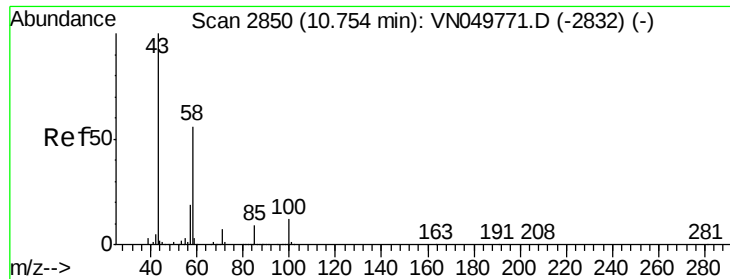
MMDadoda
 7/13/2018 1:35:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.05 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion: 63 Resp: 2069353
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8





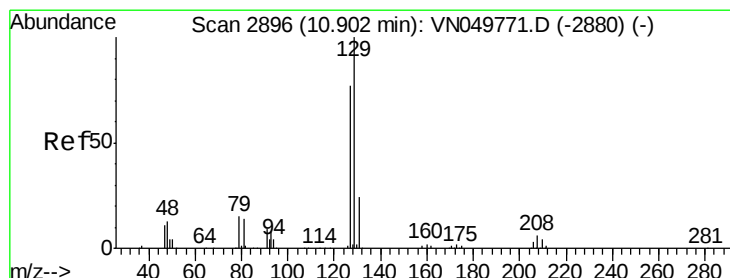
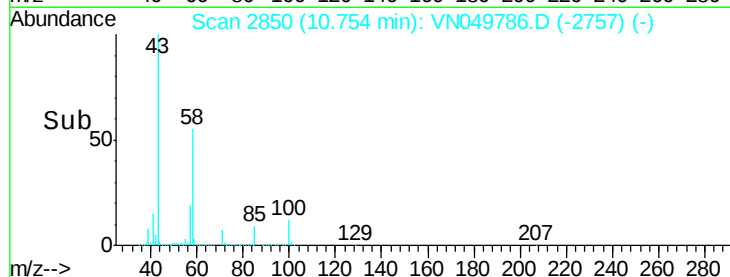
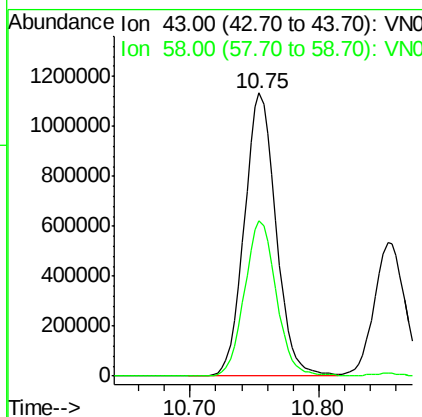
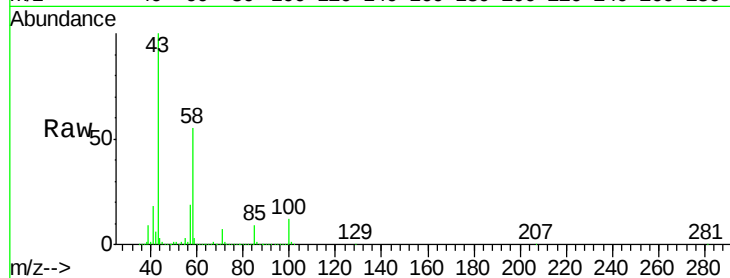
#59
2-Hexanone
Concen: 239.49 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1932824
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

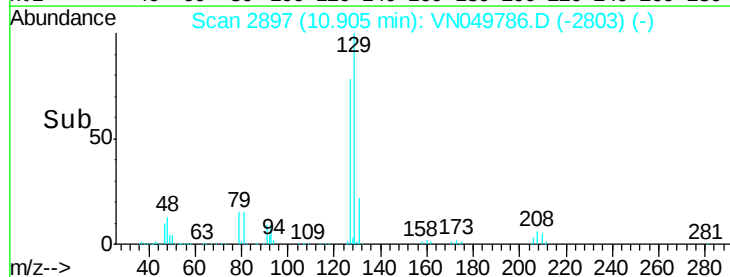
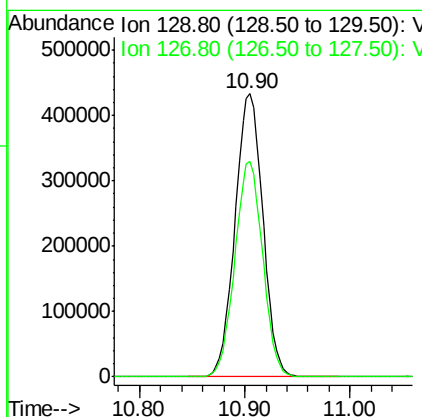
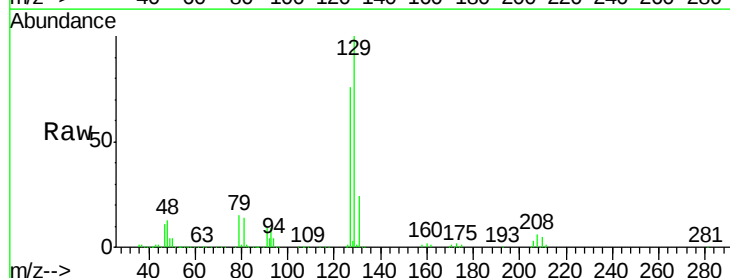
Manual Integrations
APPROVED

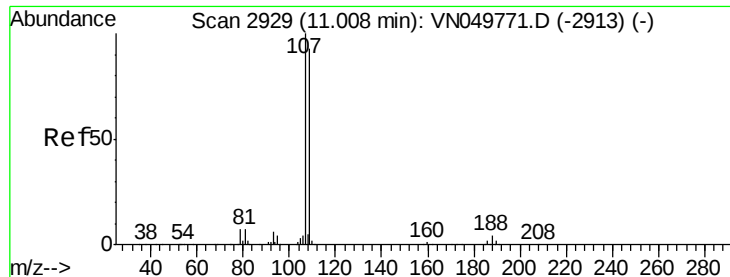
MMDadoda
7/13/2018 1:35:39 PM



#60
Dibromochloromethane
Concen: 48.10 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion: 129 Resp: 792806
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.9





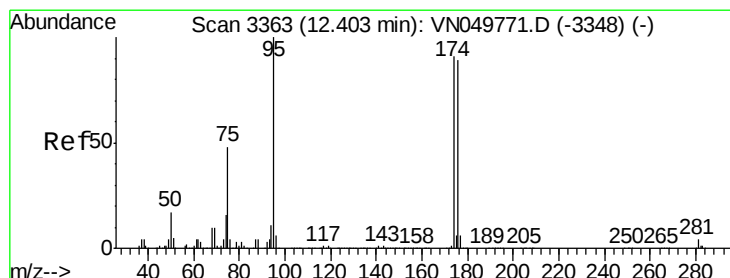
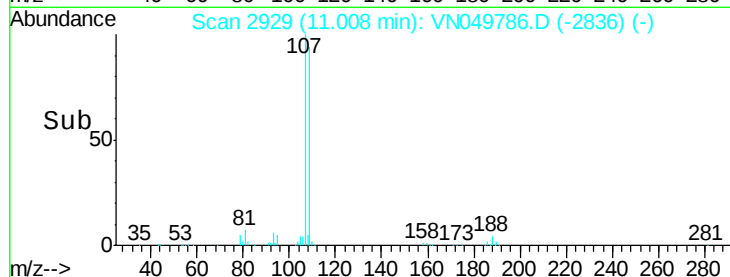
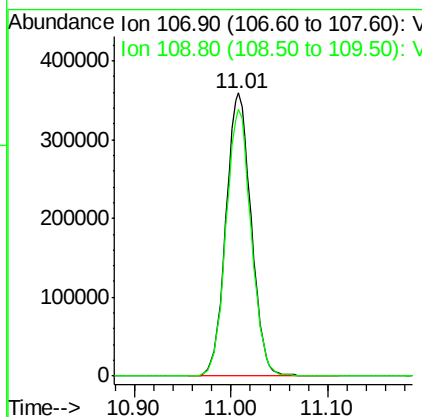
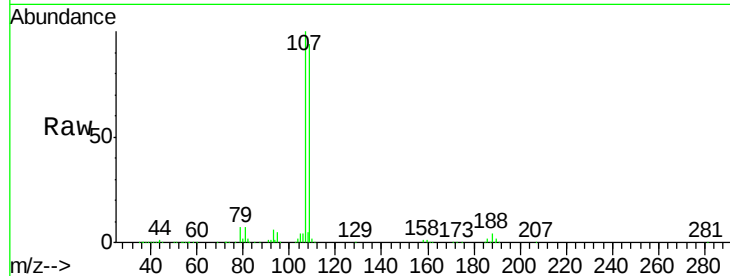
#61
 1,2-Dibromoethane
 Concen: 47.32 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.0	112.6

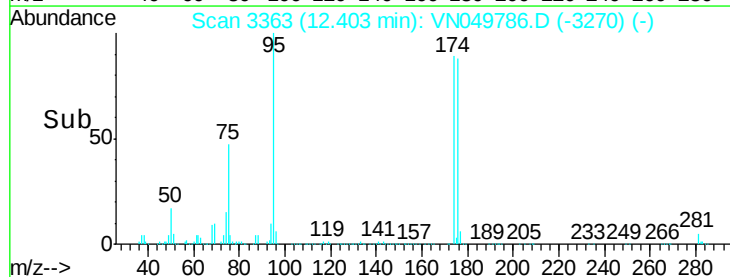
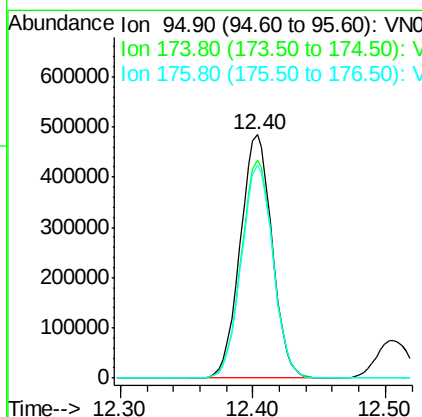
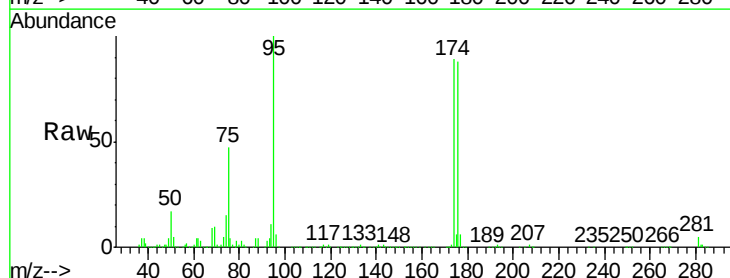
Manual Integrations
 APPROVED

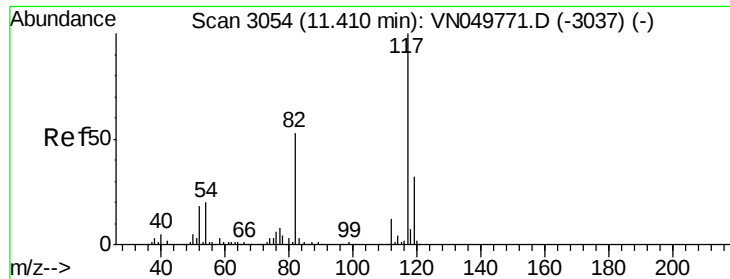
MMDadoda
 7/13/2018 1:35:39 PM



#62
 4-Bromofluorobenzene
 Concen: 47.94 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	179.6
176	87.4	0.0	174.0





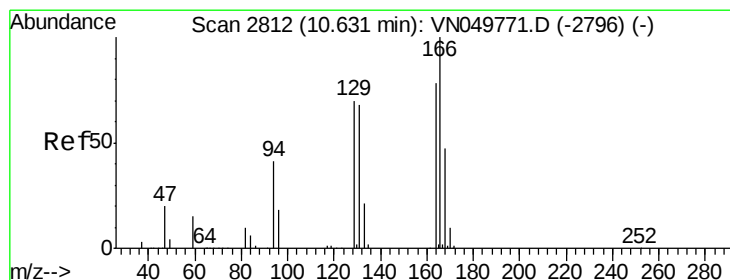
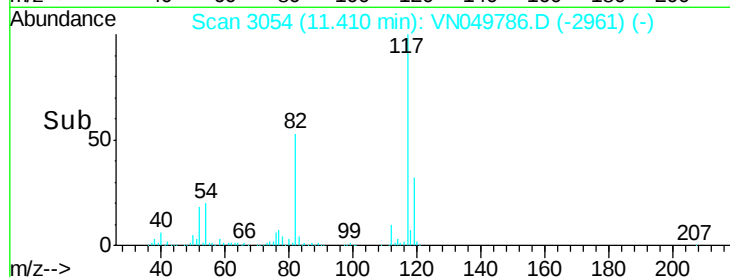
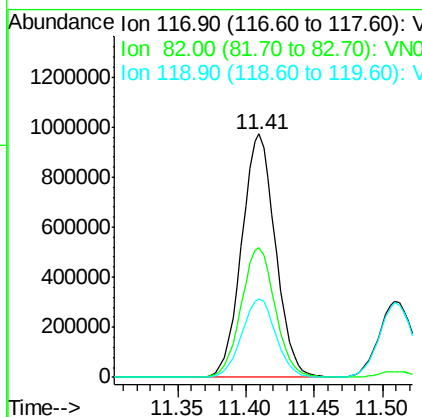
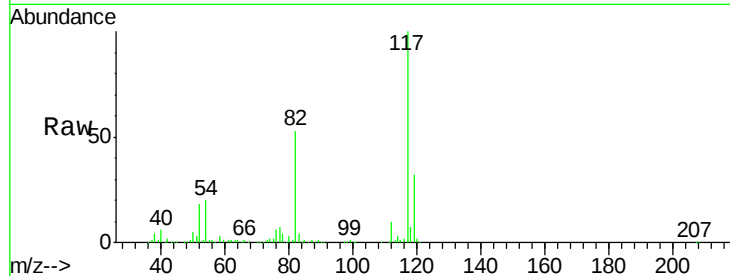
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1670300
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.4 25.4 38.2

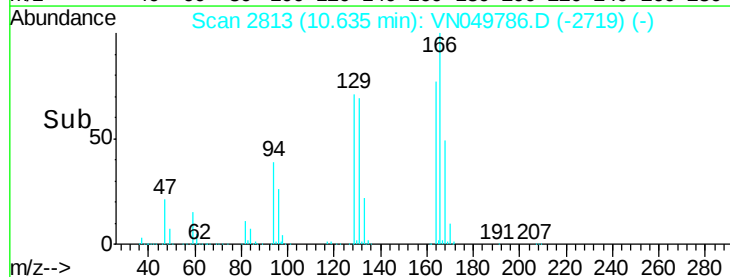
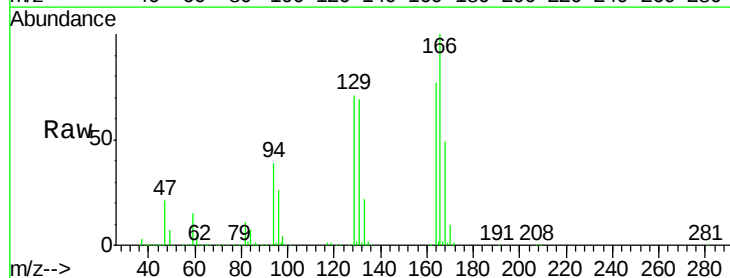
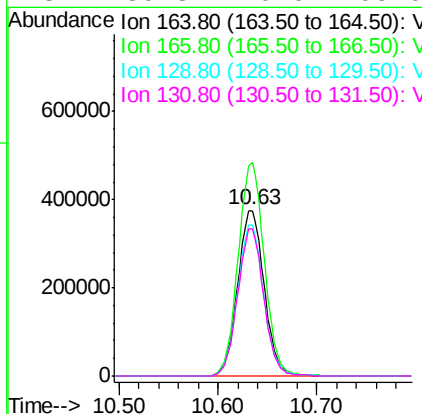
Manual Integrations
APPROVED

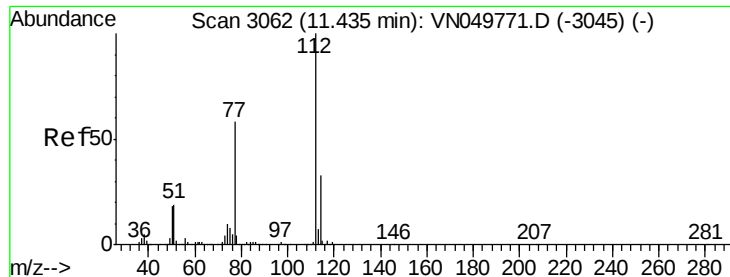
MMDadoda
7/13/2018 1:35:39 PM



#64
Tetrachloroethene
Concen: 45.90 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion:164 Resp: 696129
Ion Ratio Lower Upper
164 100
166 129.3 101.8 152.6
129 91.7 72.8 109.2
131 89.3 70.0 105.0





#65

Chlorobenzene

Concen: 46.63 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 2029122

Ion Ratio Lower Upper

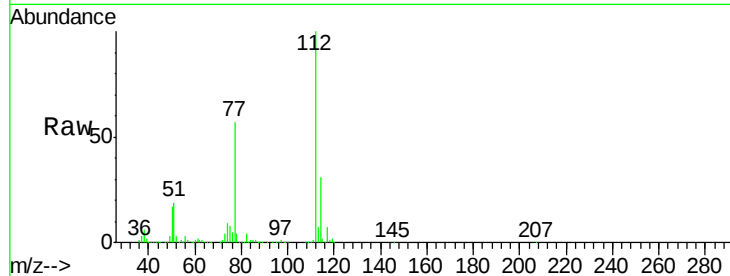
112 100

114 31.4 25.4 38.0

Manual Integrations
APPROVED

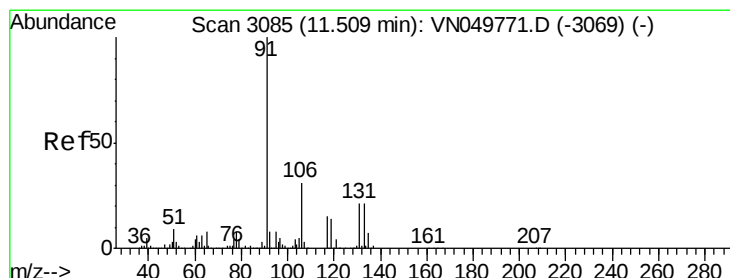
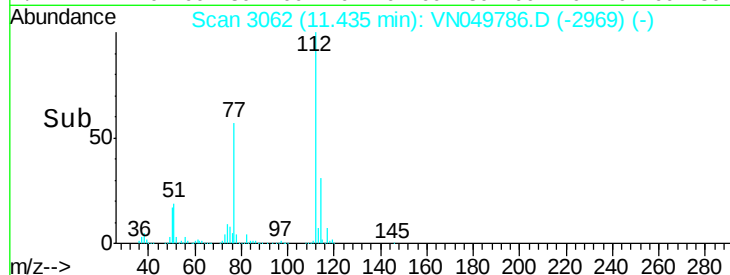
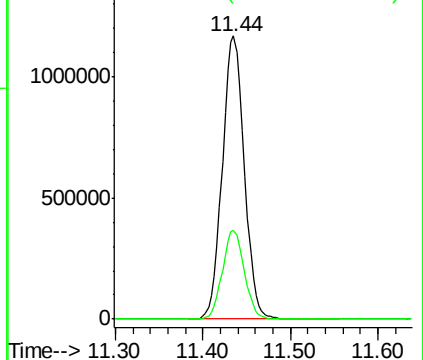
MMDadoda

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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: 47.79 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

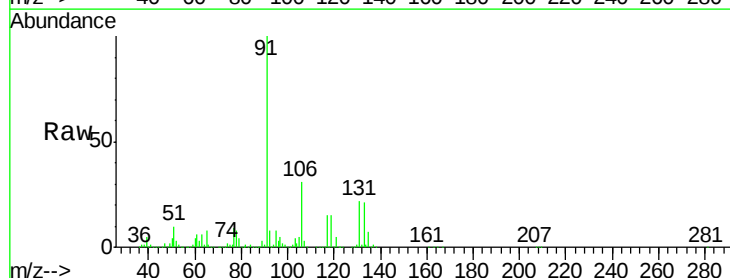
Tgt Ion:131 Resp: 782438

Ion Ratio Lower Upper

131 100

133 95.7 47.5 142.6

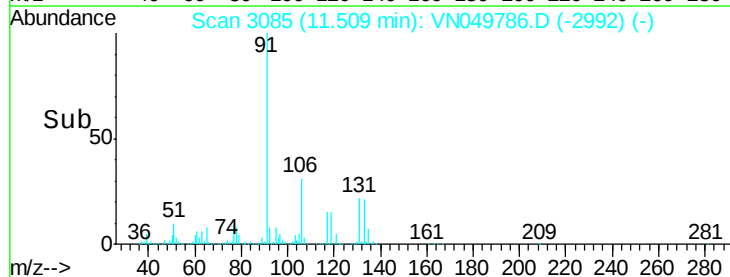
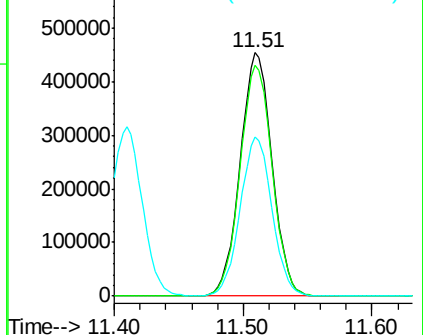
119 65.3 33.1 99.3

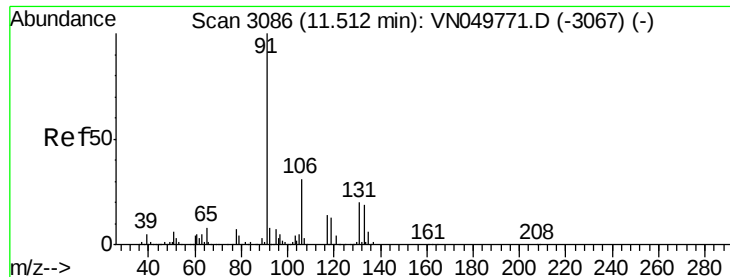


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.77 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 3474855

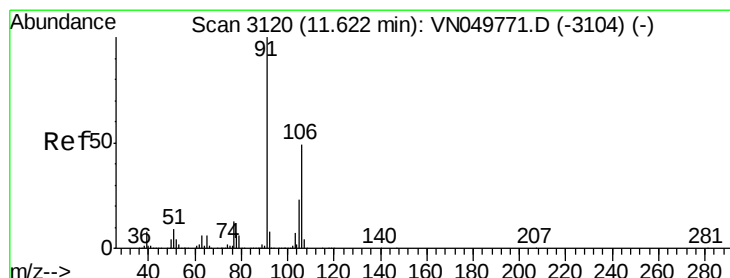
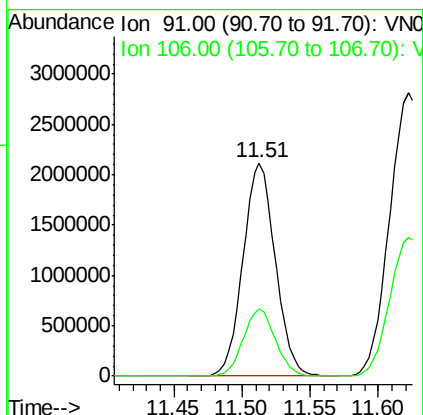
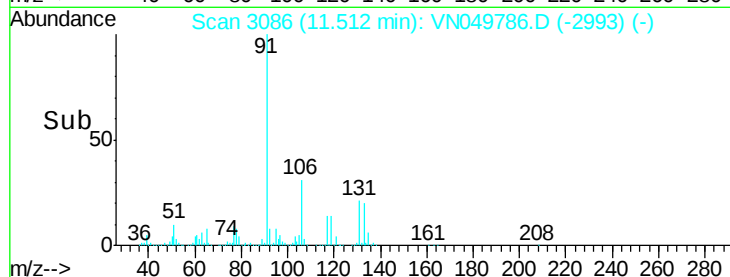
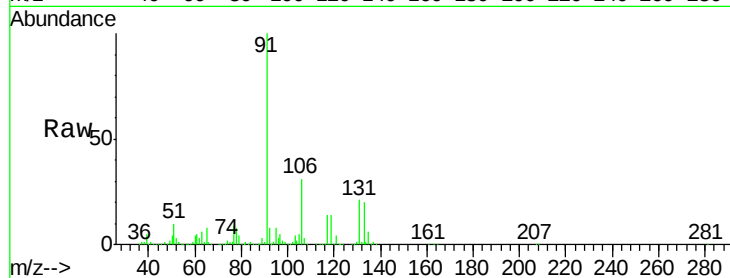
Ion Ratio Lower Upper

91 100

106 31.3 24.8 37.2

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 99.65 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049786.D

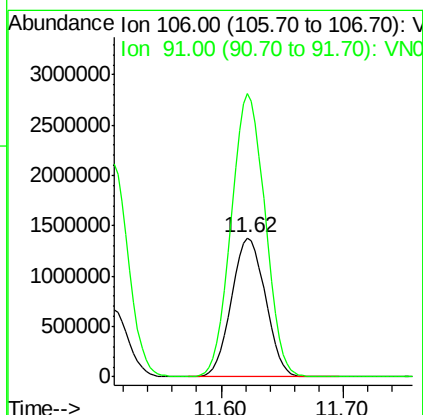
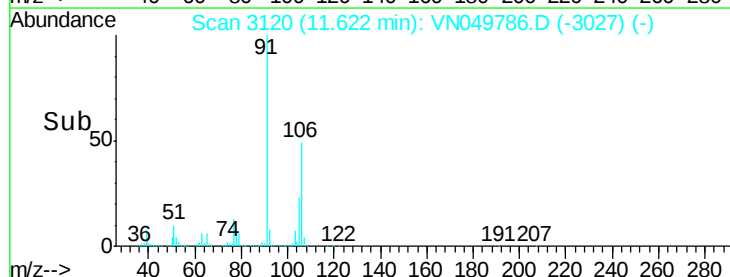
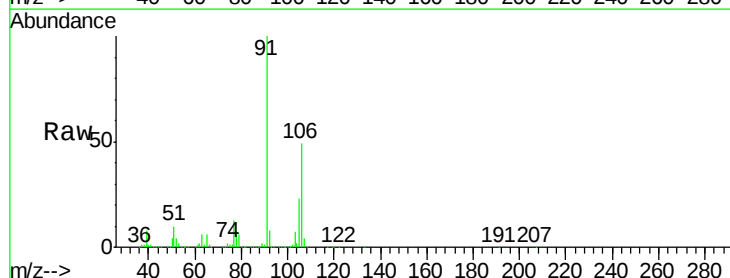
Acq: 12 Jul 2018 22:45

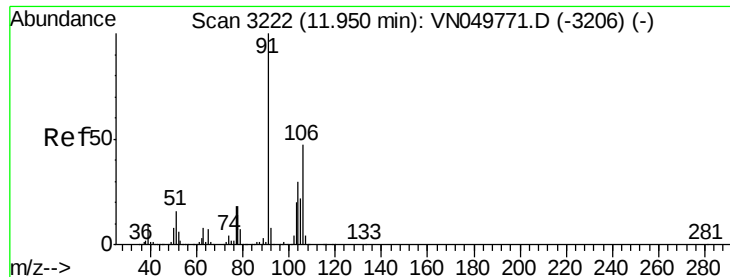
Tgt Ion: 106 Resp: 2665045

Ion Ratio Lower Upper

106 100

91 203.2 163.4 245.2





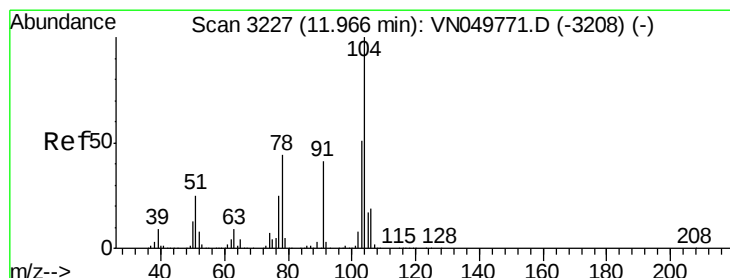
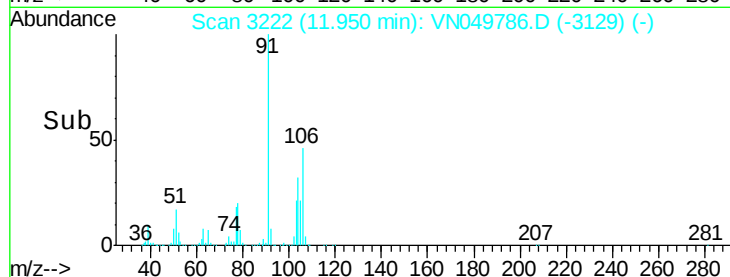
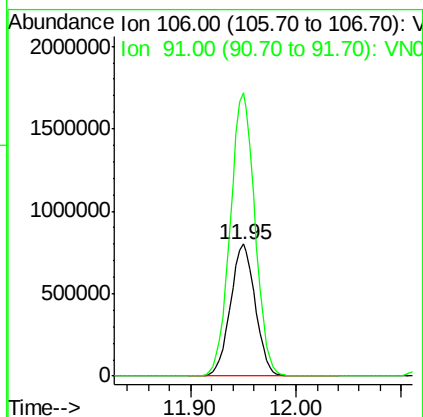
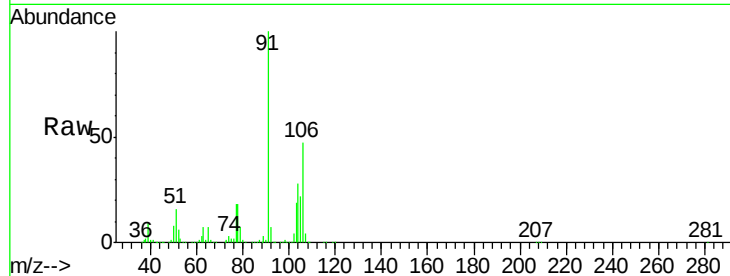
#69
o-Xylene
Concen: 50.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 1298179
Ion Ratio Lower Upper
106 100
91 213.5 108.7 326.1

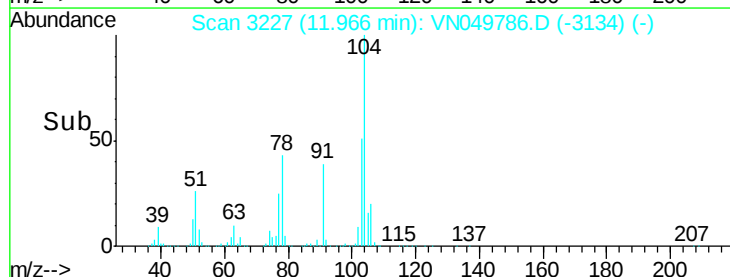
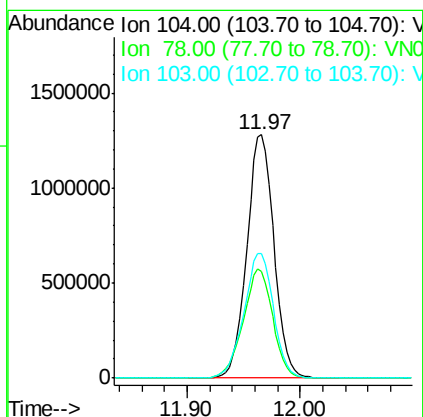
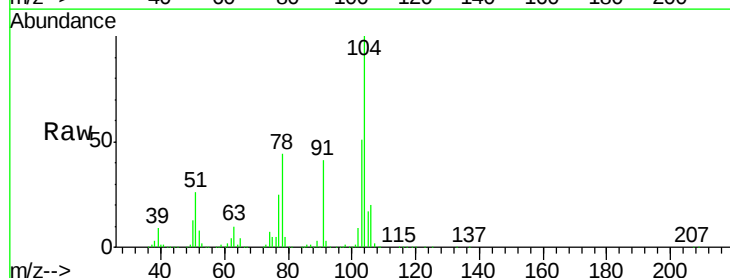
Manual Integrations
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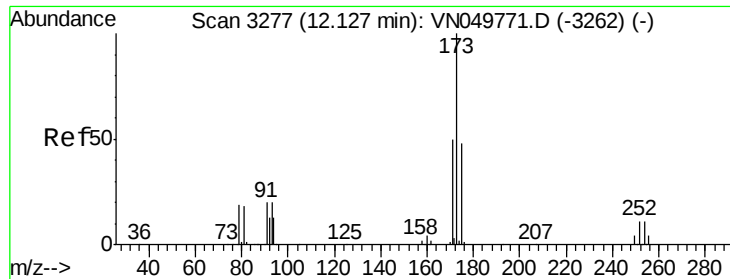
MMDadoda
7/13/2018 1:35:39 PM



#70
Styrene
Concen: 52.17 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion:104 Resp: 2141028
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 55.8 44.6 67.0





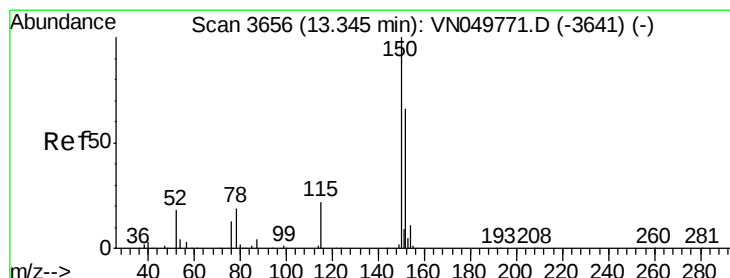
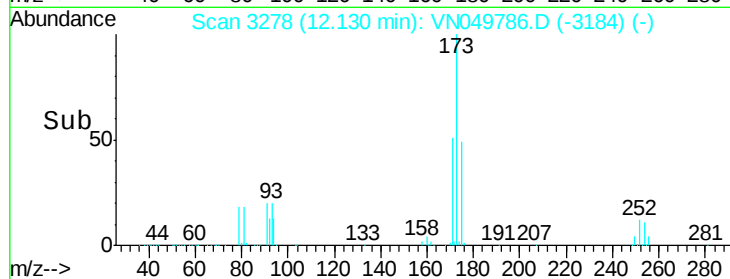
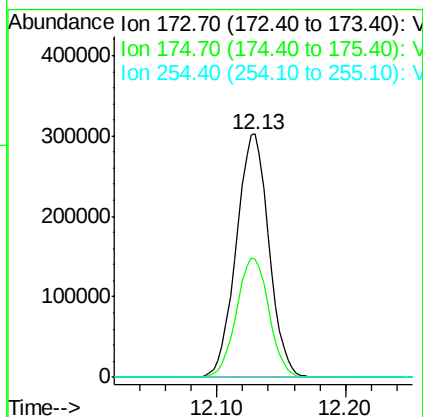
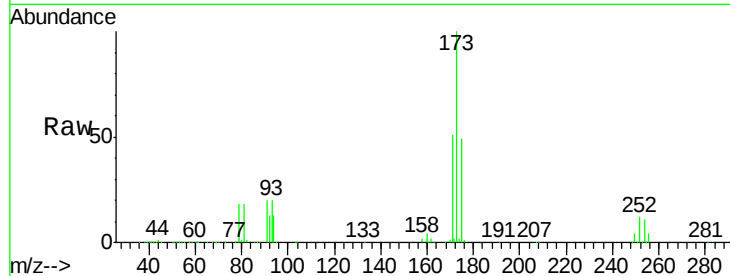
#71
Bromoform
Concen: 48.03 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.2	0.2#

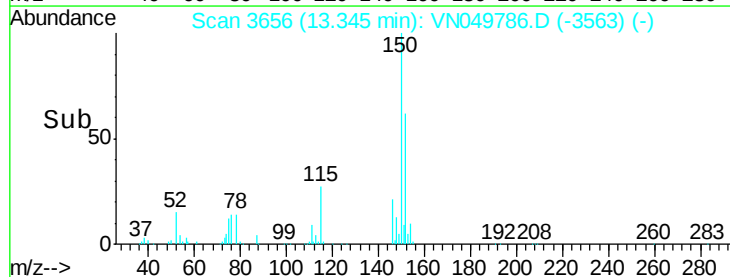
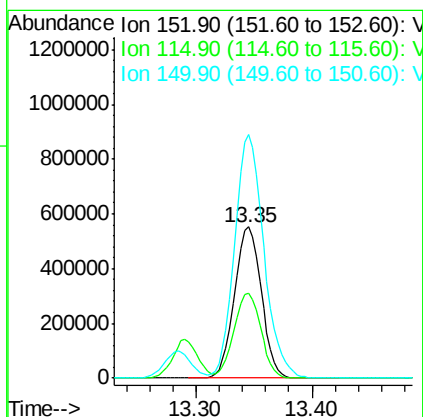
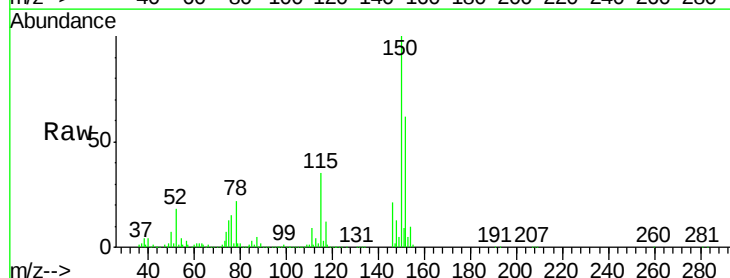
Manual Integrations
APPROVED

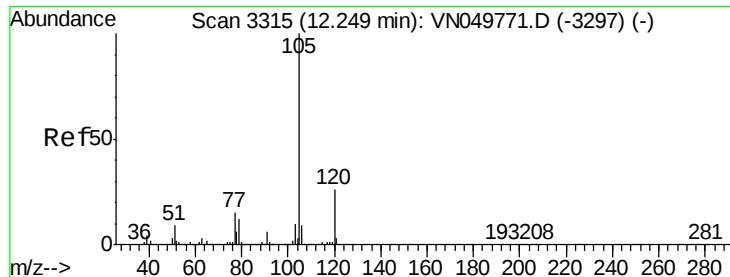
MMDadoda
7/13/2018 1:35:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	175.2	0.0	347.6





#73

Isopropylbenzene

Concen: 47.26 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 3472929

Ion Ratio Lower Upper

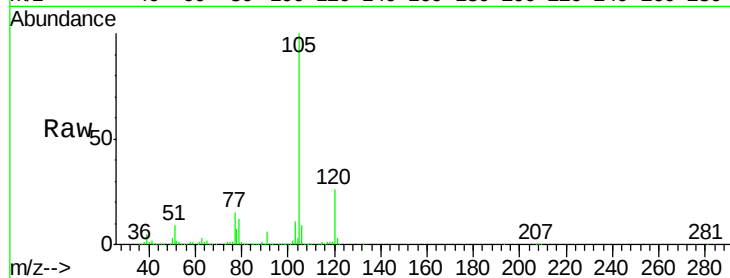
105 100

120 26.4 13.3 39.8

Manual Integrations
APPROVED

MMDadoda

7/13/2018 1:35:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

1000000

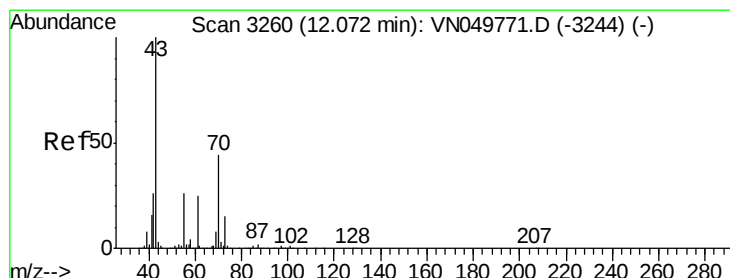
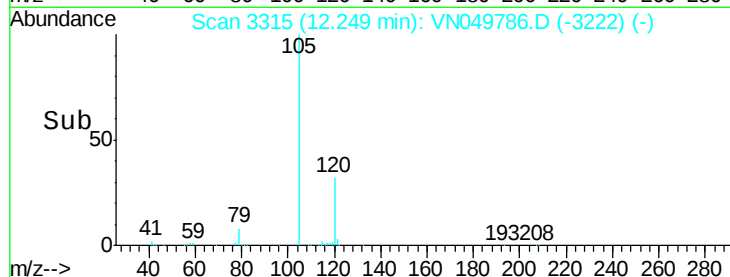
500000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 48.94 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion: 43 Resp: 935589

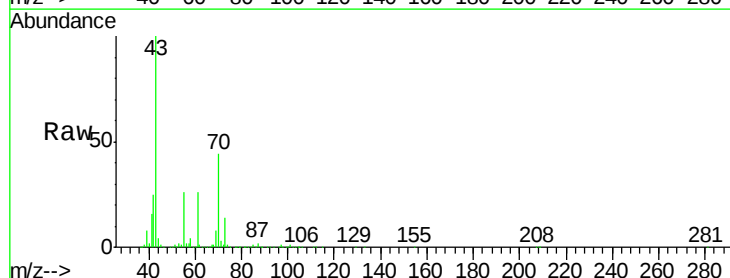
Ion Ratio Lower Upper

43 100

70 43.4 34.8 52.2

55 26.3 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

800000

600000

400000

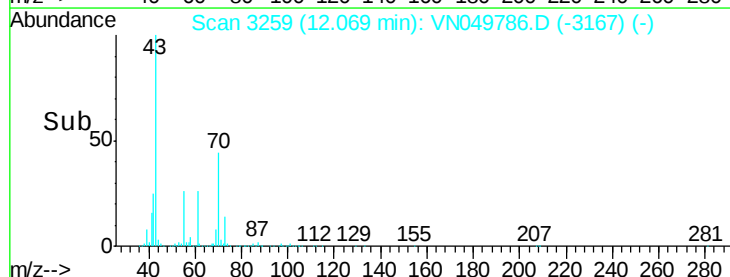
200000

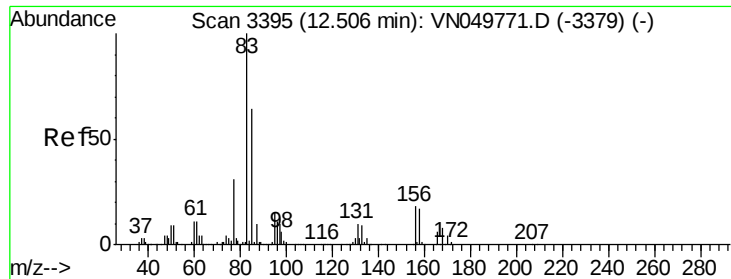
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.92 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 829139

Ion Ratio Lower Upper

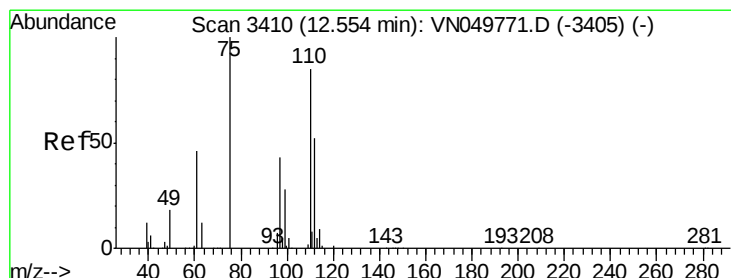
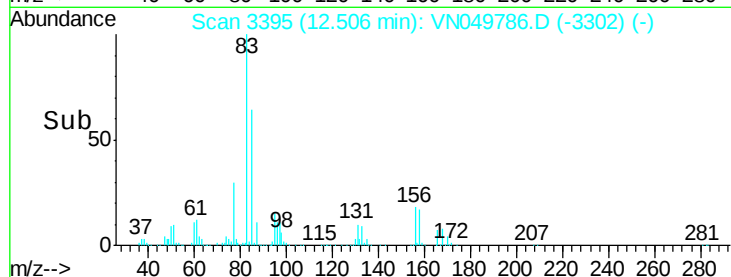
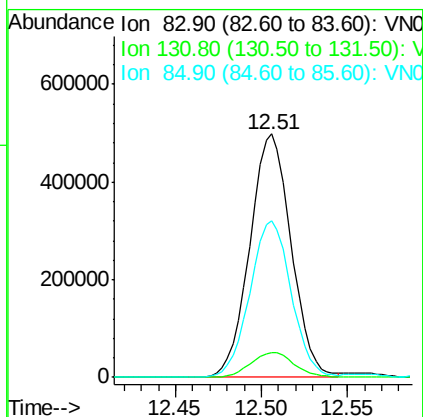
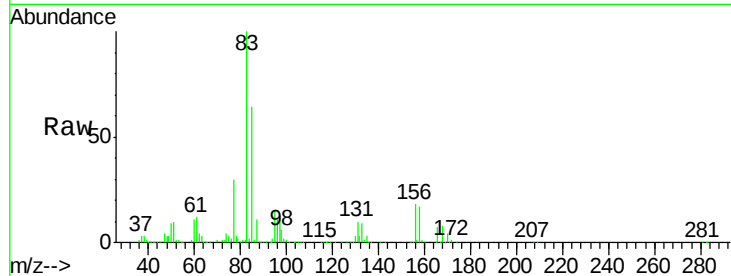
83 100

131 10.7 5.2 15.6

85 64.4 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.09 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049786.D

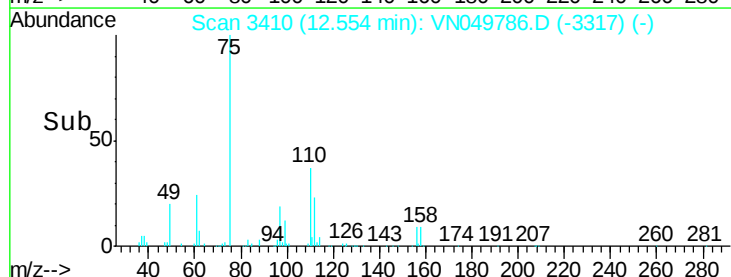
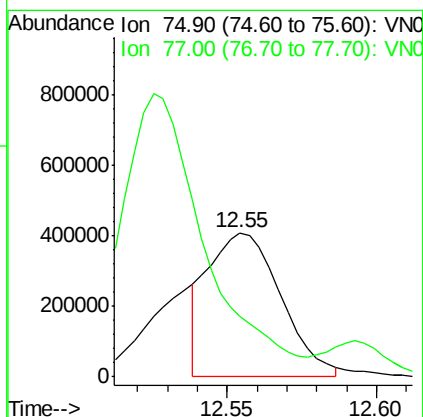
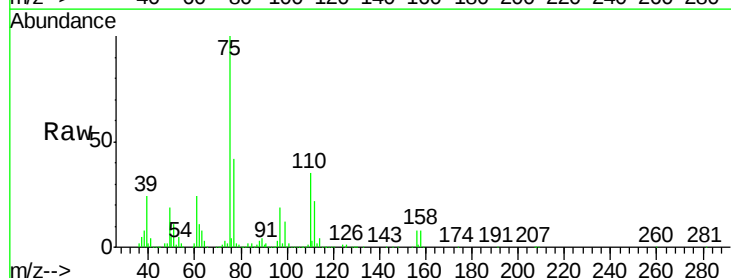
Acq: 12 Jul 2018 22:45

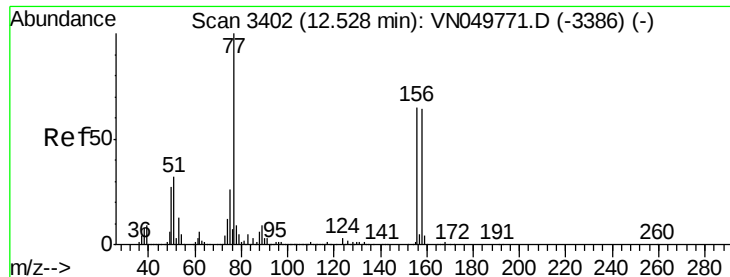
Tgt Ion: 75 Resp: 692552

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.60 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

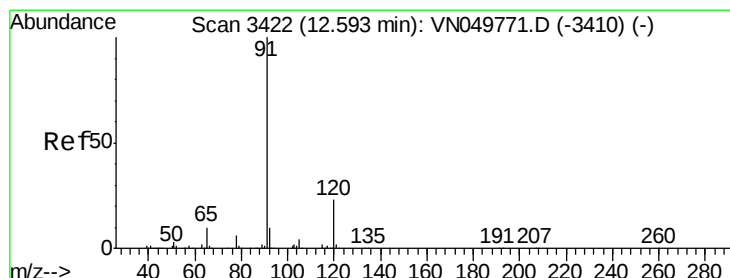
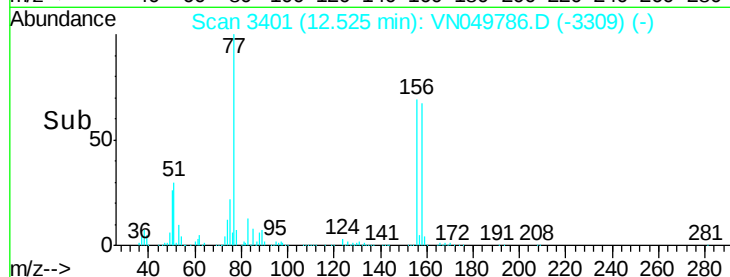
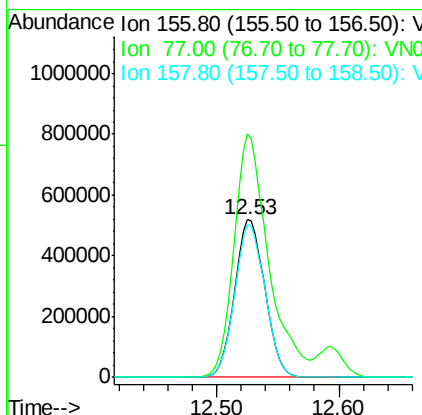
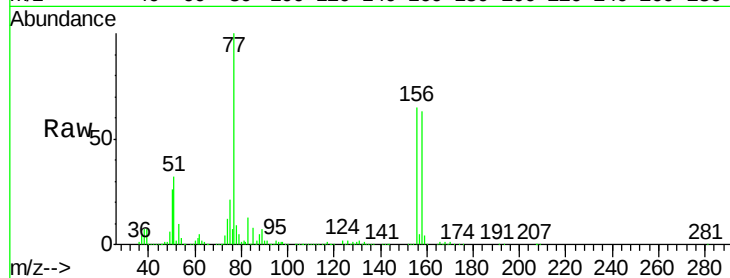
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	888956
Ion Ratio	Lower	Upper	
156	100		
77	178.0	90.2	270.6
158	97.3	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 48.19 ug/l

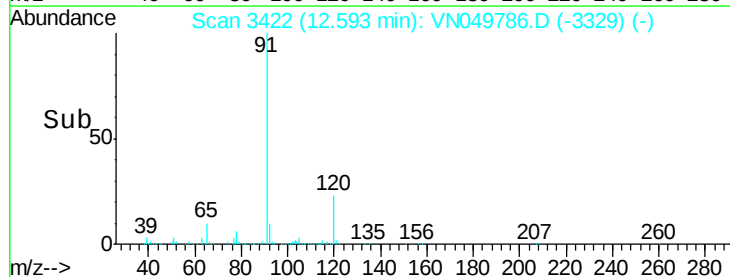
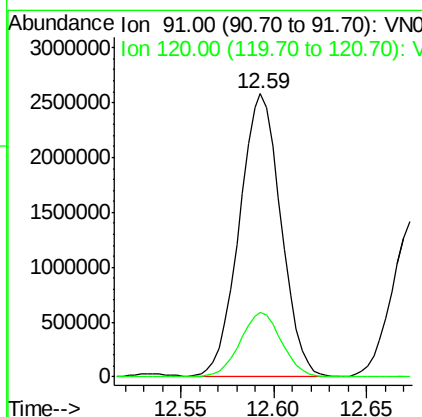
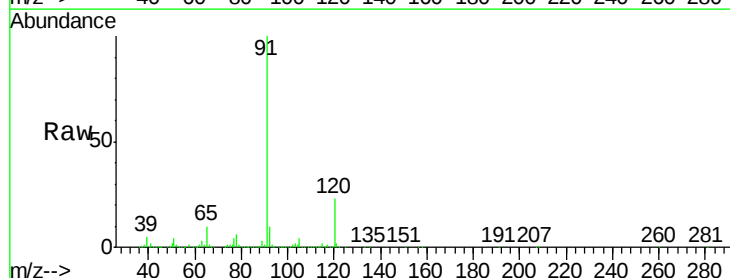
RT: 12.59 min Scan# 3422

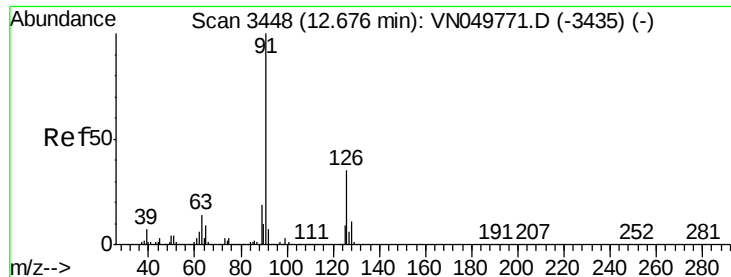
Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Tgt Ion:	91	Resp:	3992442
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 46.86 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2376135

Ion Ratio Lower Upper

91 100

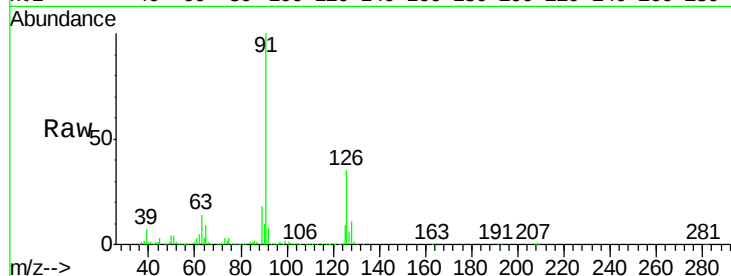
126 35.0 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)

2500000

2000000

1500000

1000000

500000

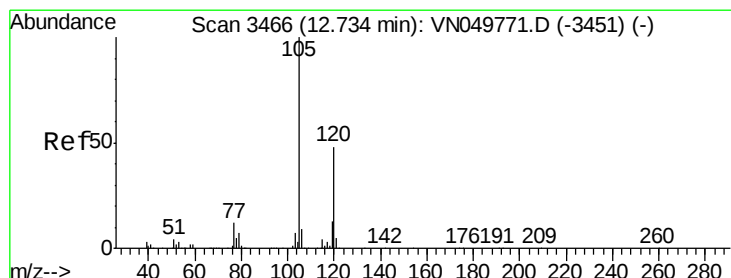
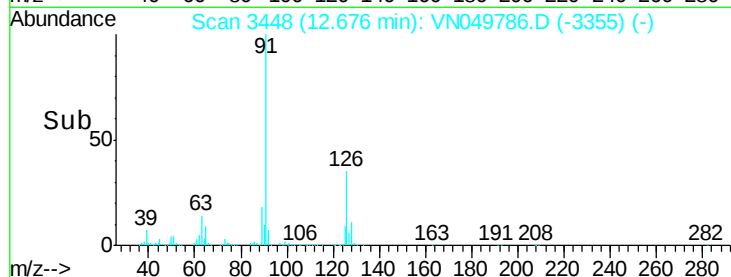
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.66 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049786.D

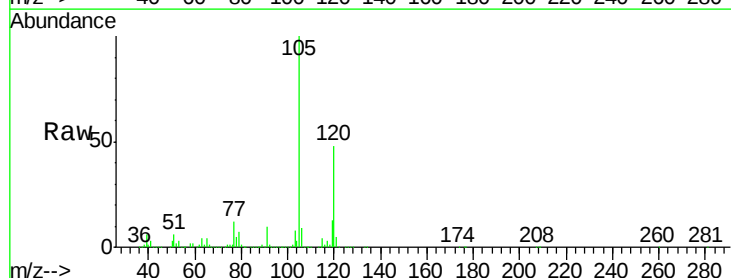
Acq: 12 Jul 2018 22:45

Tgt Ion:105 Resp: 2841913

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049771.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3451) (-)

2000000

1500000

1000000

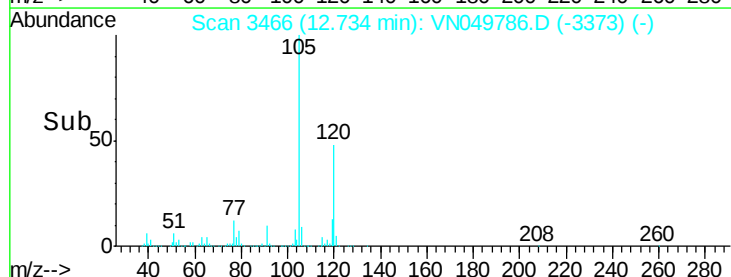
500000

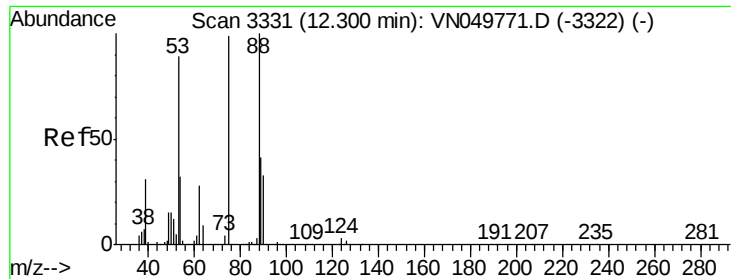
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.09 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049786.D

Acq: 12 Jul 2018 22:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 229038

Ion Ratio Lower Upper

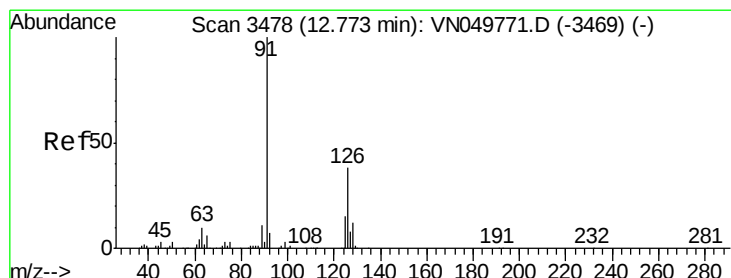
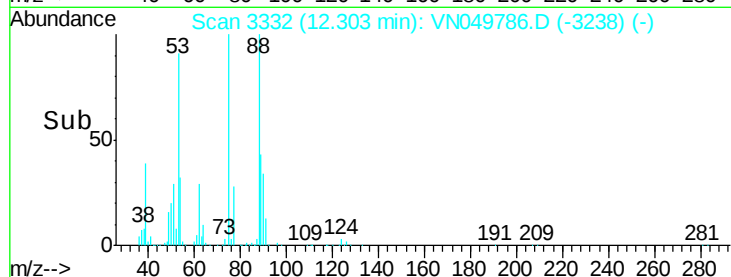
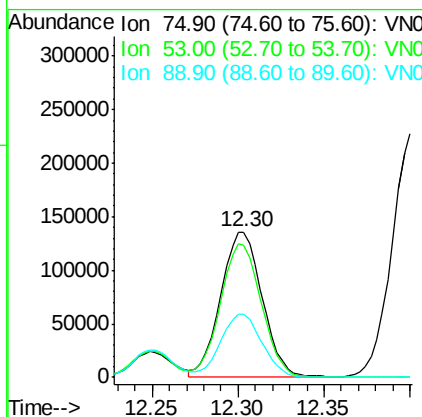
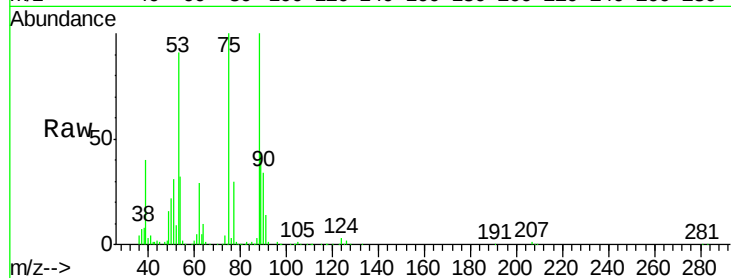
75 100

53 91.1 73.9 110.9

89 42.8 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.68 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049786.D

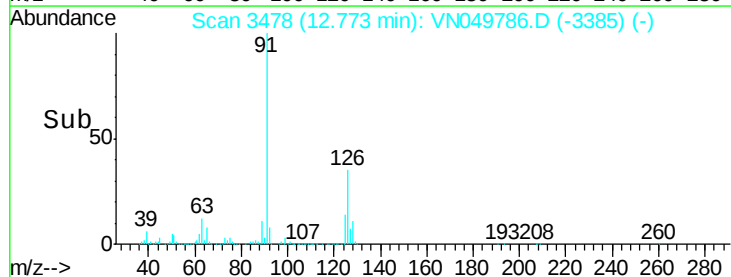
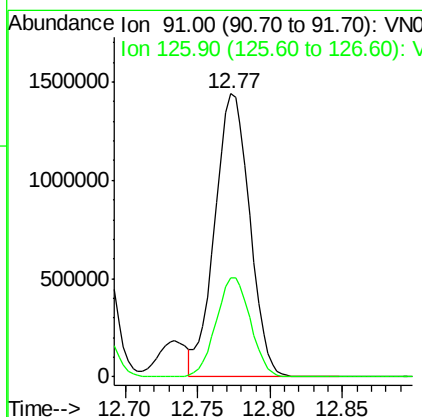
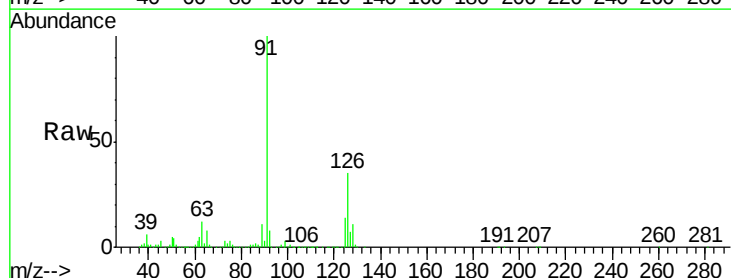
Acq: 12 Jul 2018 22:45

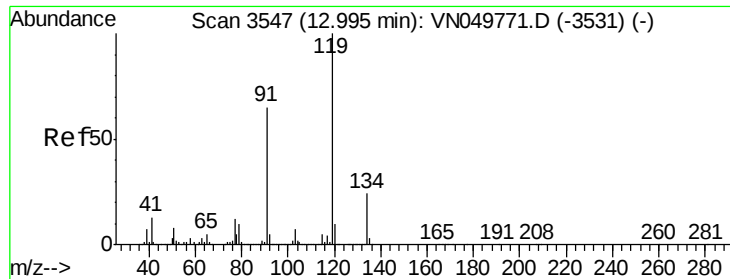
Tgt Ion: 91 Resp: 2397953

Ion Ratio Lower Upper

91 100

126 34.5 17.2 51.6





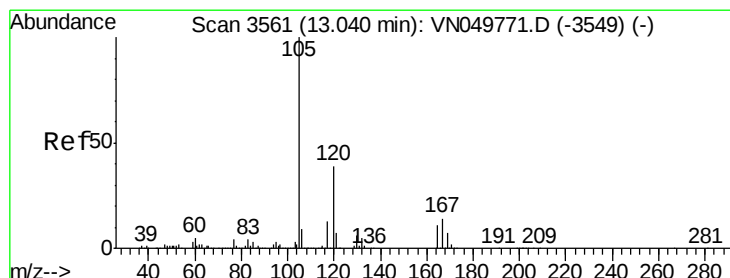
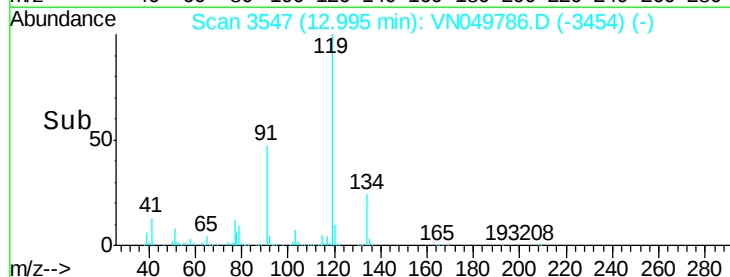
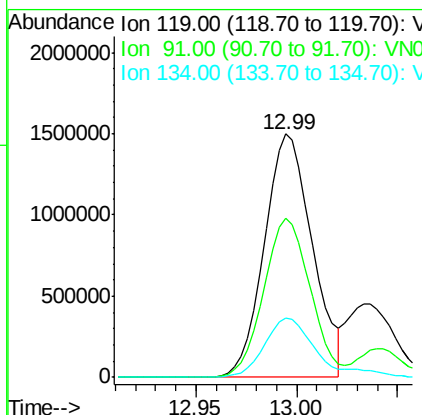
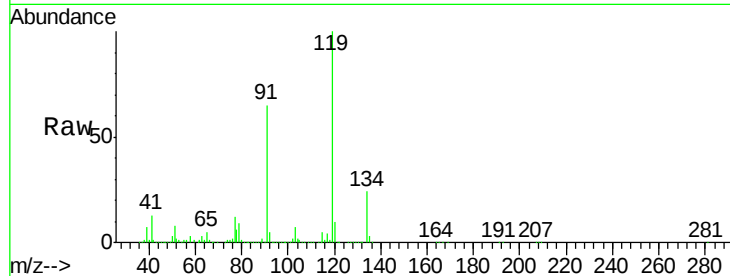
#83
 tert-Butylbenzene
 Concen: 47.43 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 2478146
 Ion Ratio Lower Upper
 119 100
 91 63.5 32.0 96.2
 134 26.6 12.8 38.4

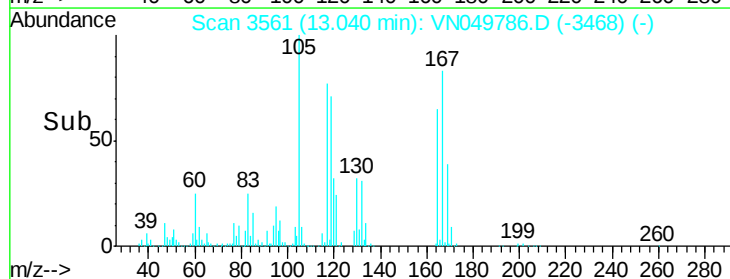
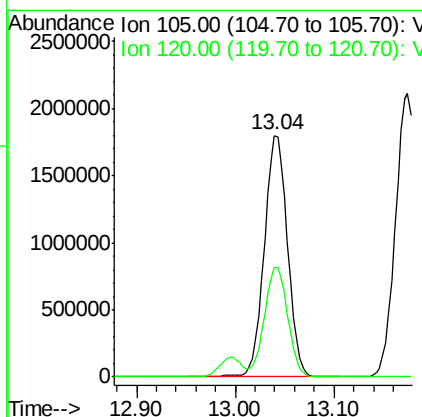
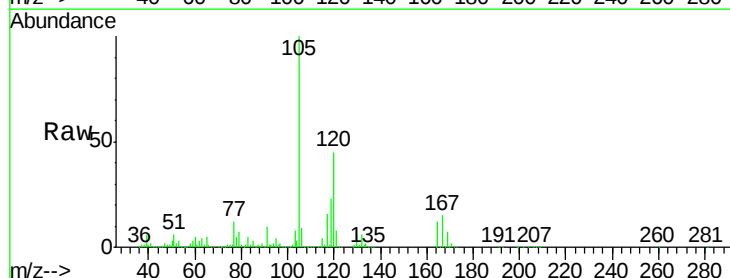
Manual Integrations
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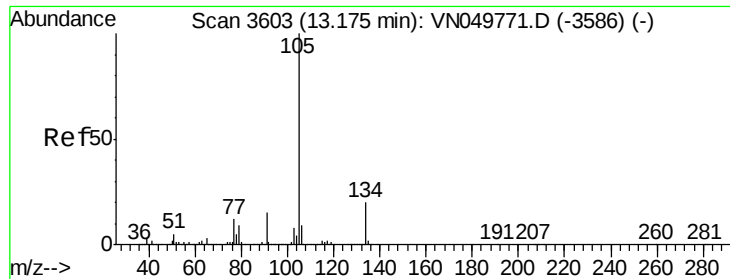
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.62 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion:105 Resp: 2905803
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.7 68.1





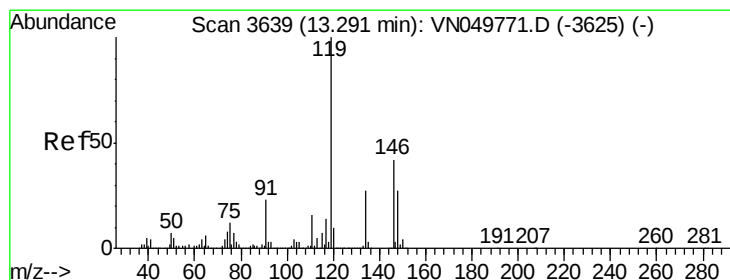
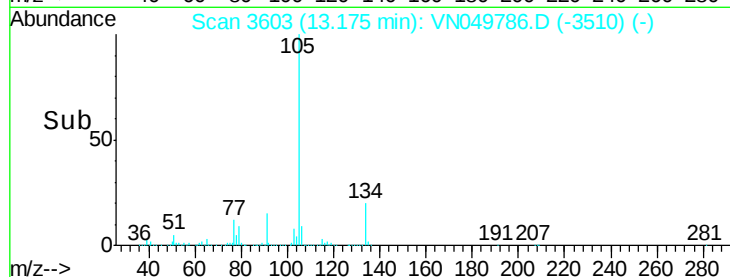
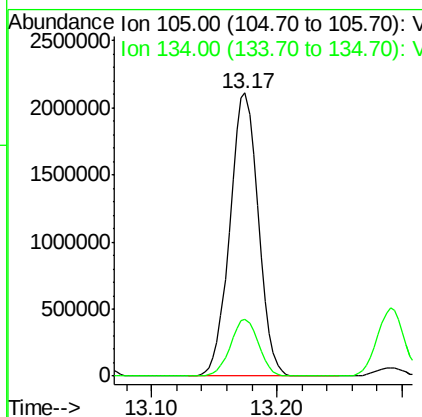
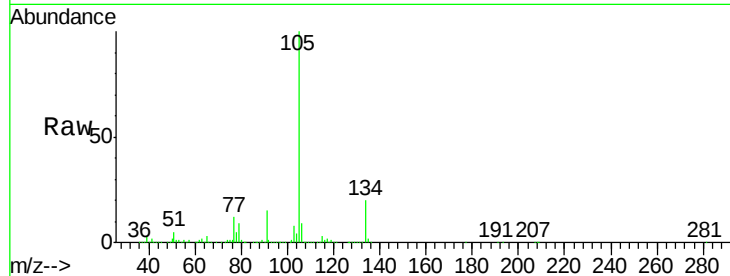
#85
 sec-Butylbenzene
 Concen: 48.38 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 3312689
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1

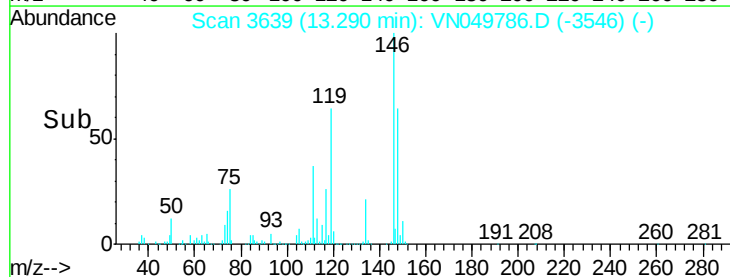
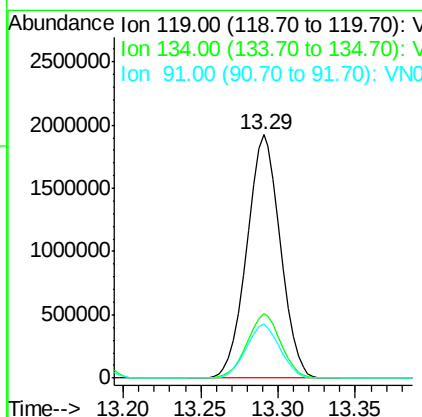
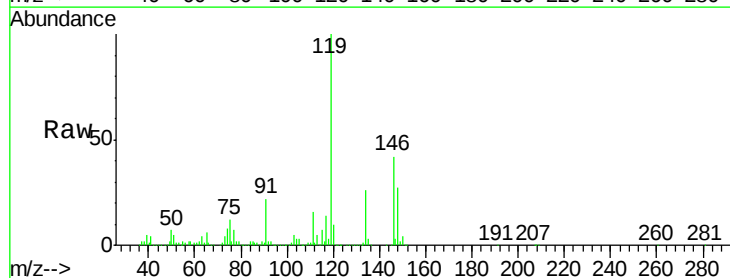
Manual Integrations
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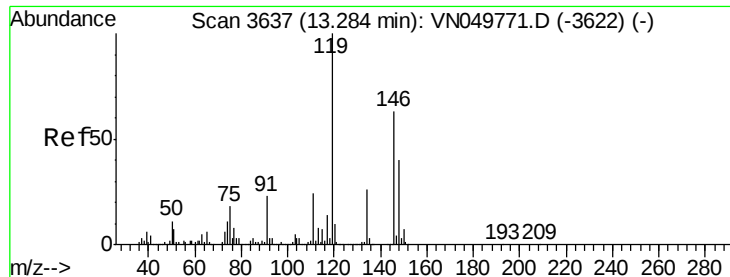
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#86
 p-Isopropyltoluene
 Concen: 49.95 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion:119 Resp: 2894226
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 22.4 11.4 34.1





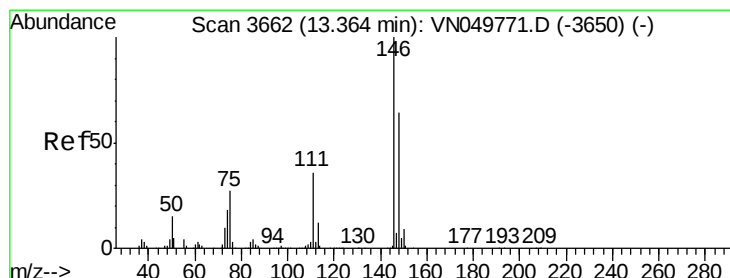
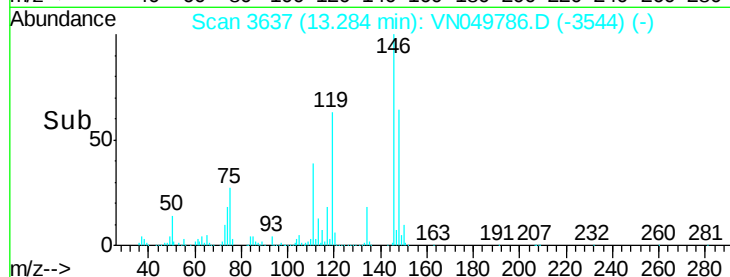
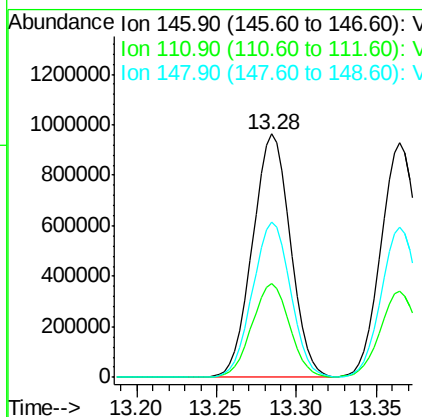
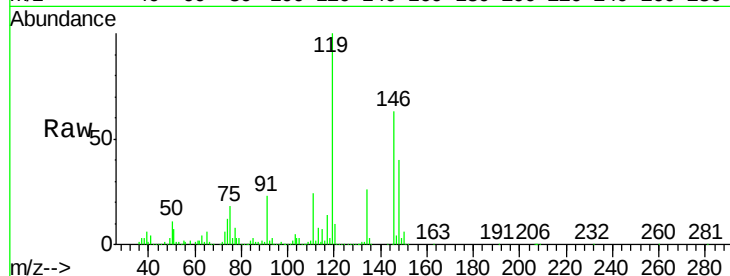
#87
 1,3-Dichlorobenzene
 Concen: 46.37 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	63.9	32.5	97.5

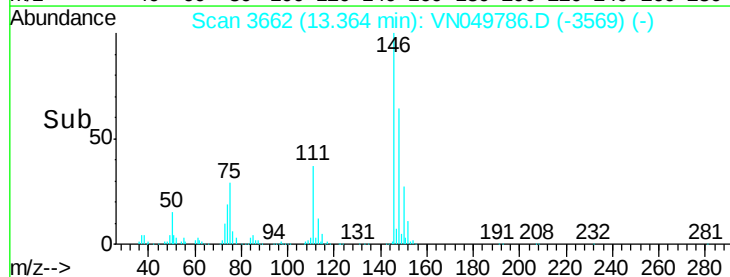
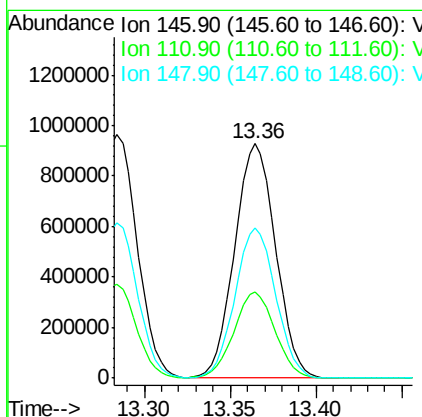
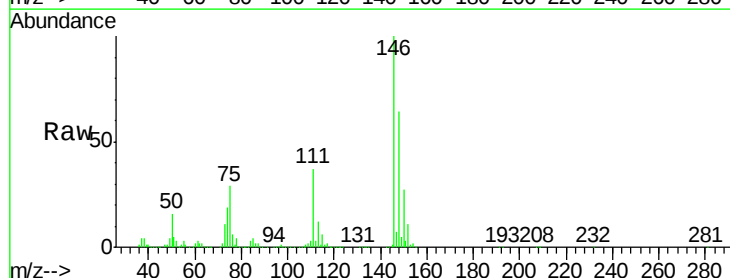
Manual Integrations
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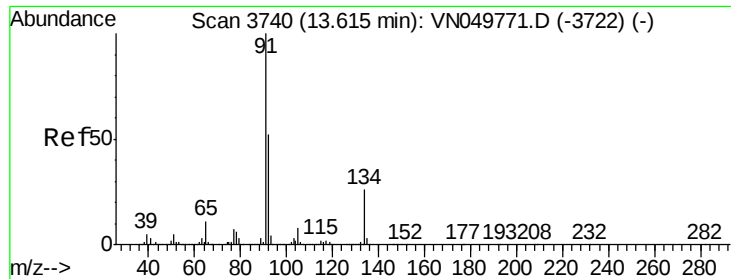
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.61 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	63.6	32.1	96.3





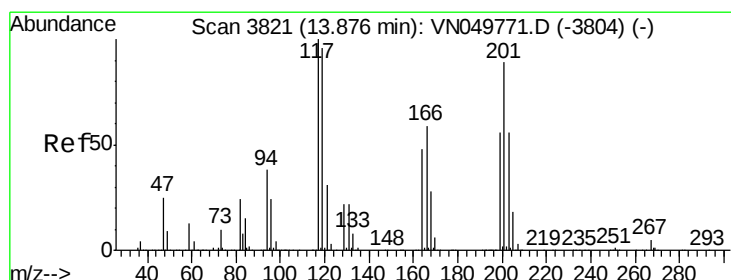
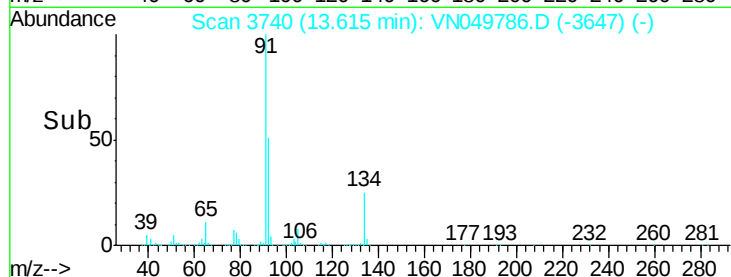
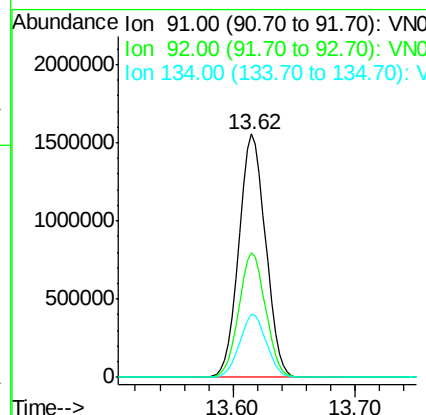
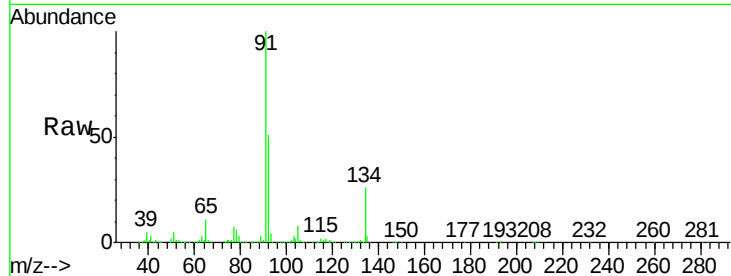
#89
n-Butylbenzene
Concen: 49.22 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	25.9	13.0	38.9

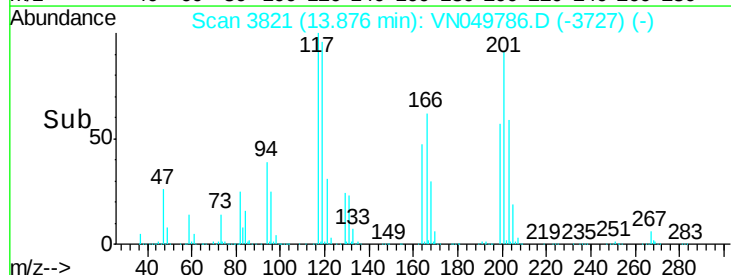
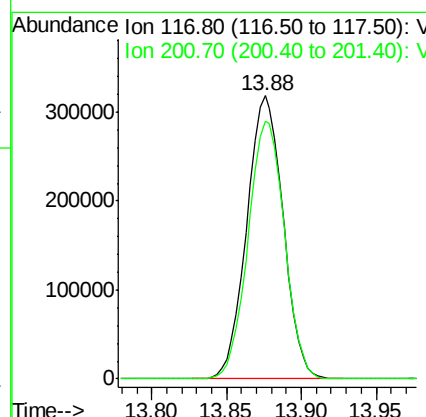
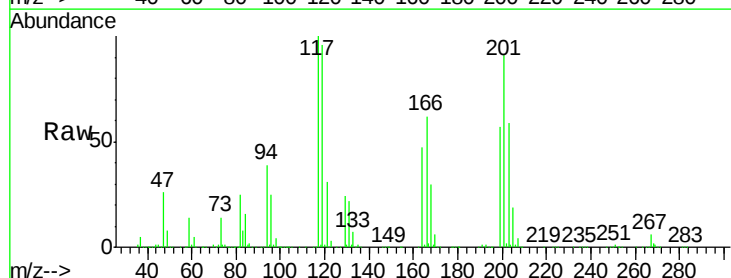
Manual Integrations
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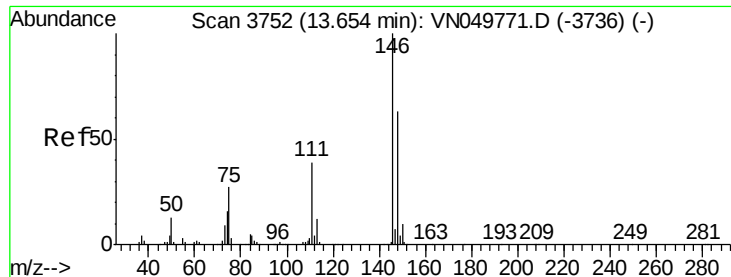
MMDadoda
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#90
Hexachloroethane
Concen: 47.91 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.3	135.8





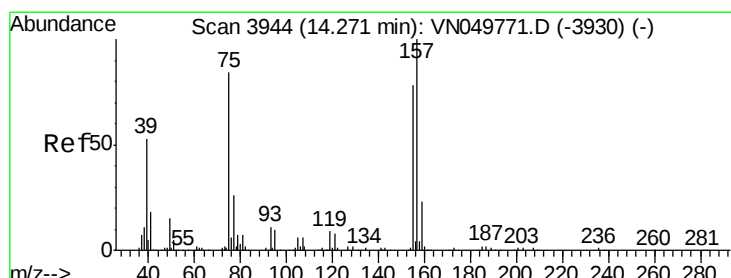
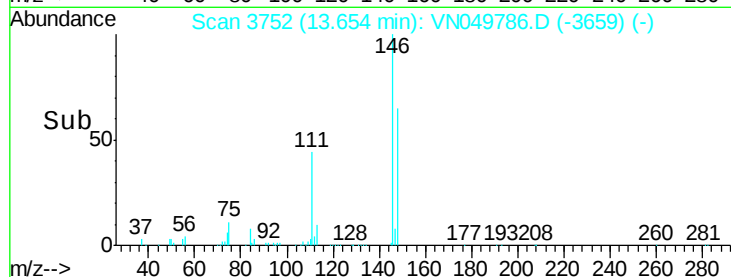
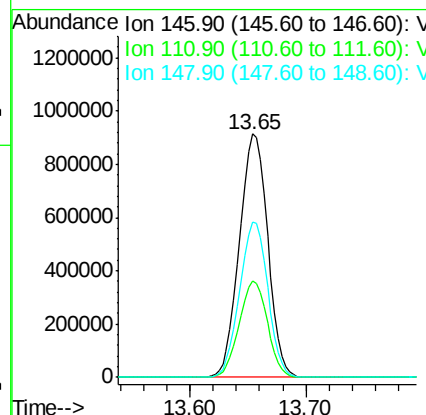
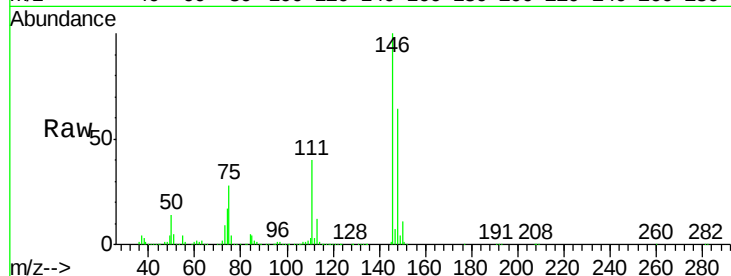
#91
 1,2-Dichlorobenzene
 Concen: 46.85 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.6	32.0	96.2

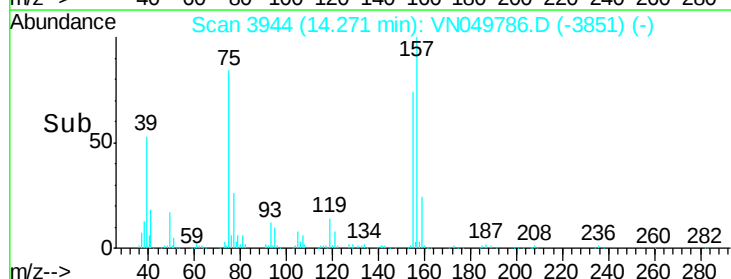
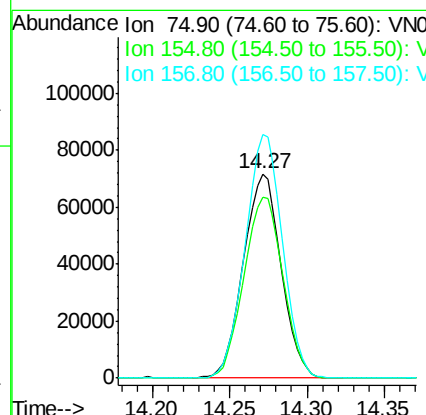
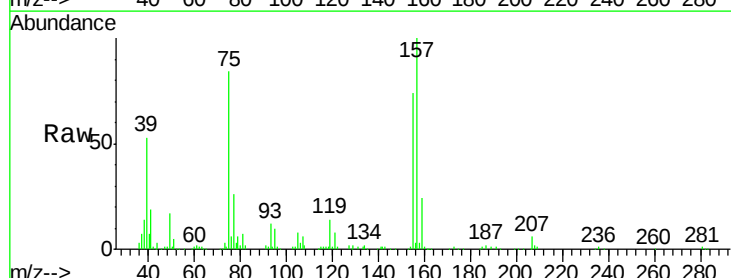
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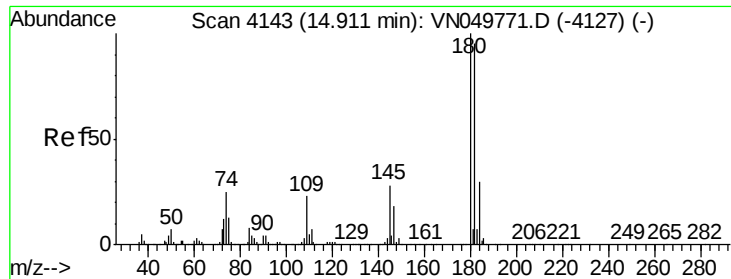
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.70 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	45.7	137.1
157	118.2	56.9	170.7





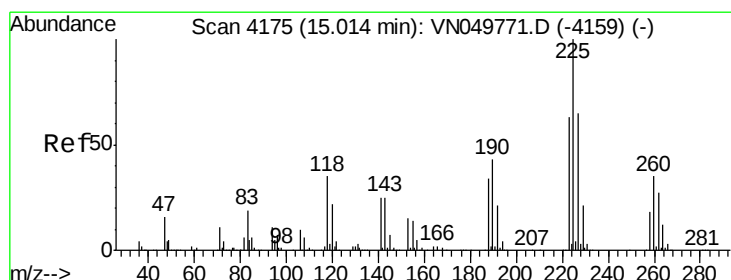
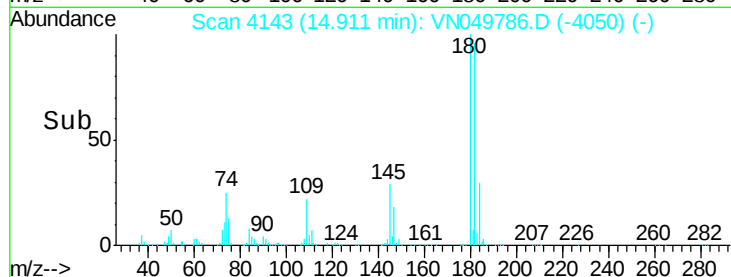
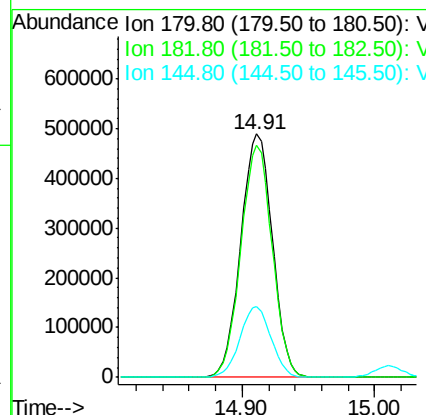
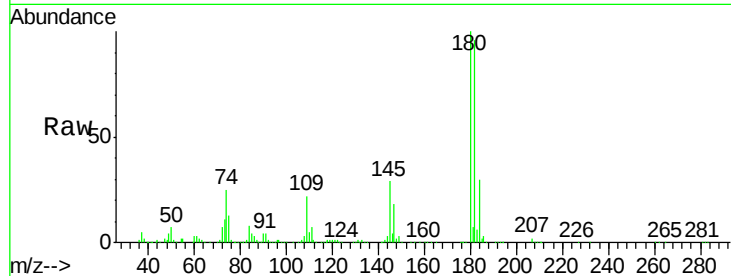
#93
 1,2,4-Trichlorobenzene
 Concen: 44.96 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	809096		
182	94.7	47.3	141.9	
145	28.6	14.4	43.0	

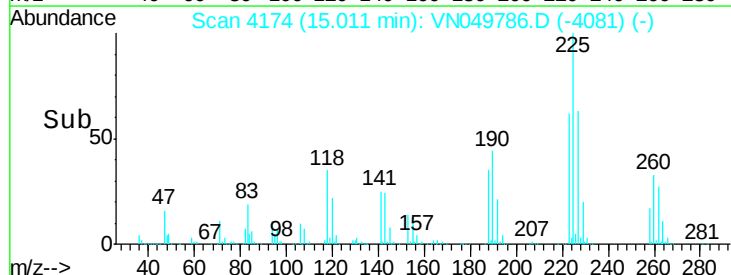
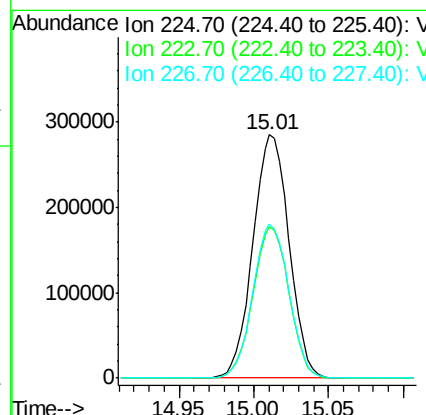
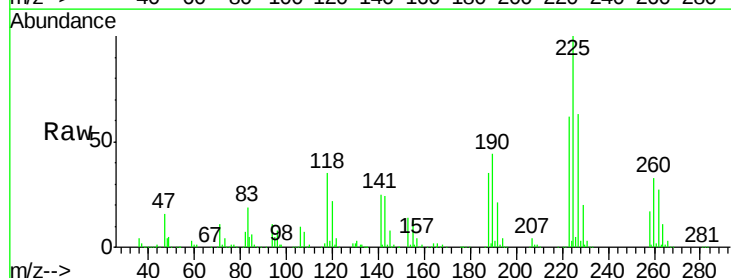
Manual Integrations
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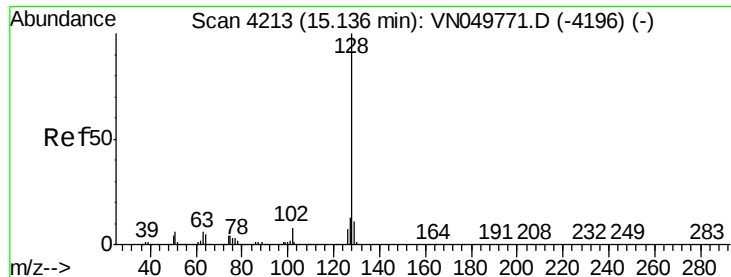
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#94
 Hexachlorobutadiene
 Concen: 47.44 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049786.D
 Acq: 12 Jul 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	479504		
223	61.8	30.9	92.7	
227	63.0	31.8	95.4	





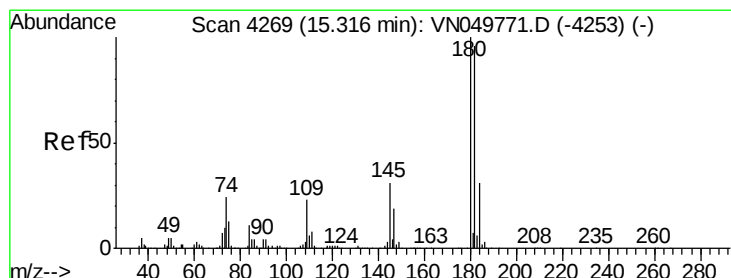
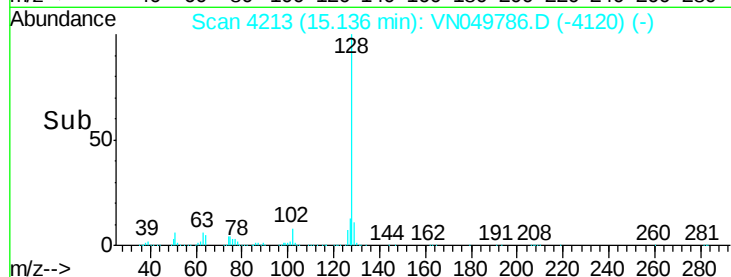
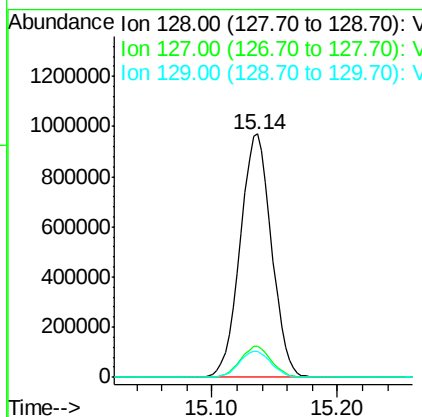
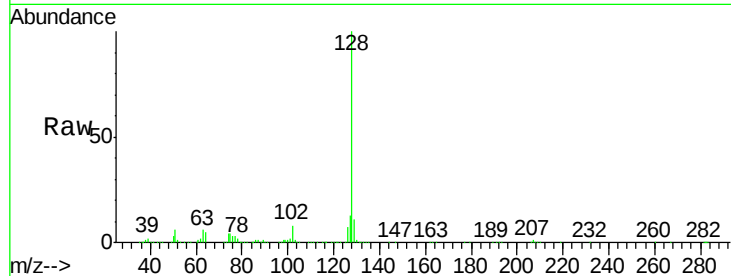
#95
Naphthalene
Concen: 43.62 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
128	100			
127	12.7	10.4	15.6	
129	10.8	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.82 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049786.D
Acq: 12 Jul 2018 22:45

Tgt Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.1	47.4	142.2	
145	29.8	15.2	45.6	

