

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049771.D
 Acq On : 12 Jul 2018 12:06
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:09 PM

Quant Time: Jul 12 15:46:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1302662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1857994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1722938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	920283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	726180	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
35) Dibromofluoromethane	7.59	113	698160	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	2374428	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
62) 4-Bromofluorobenzene	12.40	95	872978	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	569069	38.76	ug/l	97
3) Chloromethane	2.06	50	744162	40.59	ug/l	99
4) Vinyl Chloride	2.18	62	817579	41.52	ug/l	99
5) Bromomethane	2.56	94	497617	48.11	ug/l	97
6) Chloroethane	2.70	64	535319	42.95	ug/l	99
7) Trichlorofluoromethane	3.01	101	1151488	51.19	ug/l	99
8) Diethyl Ether	3.41	74	406674	44.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	740199	45.74	ug/l	99
10) Methyl Iodide	3.95	142	1033111	51.01	ug/l	100
11) Tert butyl alcohol	4.80	59	238146	241.24	ug/l	100
12) 1,1-Dichloroethene	3.74	96	655773	42.86	ug/l	98
13) Acrolein	3.61	56	218583	237.05	ug/l	100
14) Allyl chloride	4.33	41	1069636	50.90	ug/l	99
15) Acrylonitrile	4.99	53	1200376	235.44	ug/l	98
16) Acetone	3.82	43	890078	208.90	ug/l	100
17) Carbon Disulfide	4.05	76	1770480	38.17	ug/l	99
18) Methyl Acetate	4.33	43	605901	23.37	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1888841	47.89	ug/l	100
20) Methylene Chloride	4.55	84	772889	43.63	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	708726	45.01	ug/l	99
22) Diisopropyl ether	5.96	45	2339307	49.20	ug/l	97
23) Vinyl Acetate	5.90	43	7860944	254.94	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1375328	45.91	ug/l	100
25) 2-Butanone	6.84	43	1401968	245.49	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1153025	46.35	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	826343	46.98	ug/l	100
28) Bromochloromethane	7.20	49	636734	50.08	ug/l	98
29) Tetrahydrofuran	7.22	42	894471	245.74	ug/l	99
30) Chloroform	7.37	83	1416375	46.38	ug/l	100
31) Cyclohexane	7.65	56	1165580	39.51	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1207717	46.72	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1045341	50.01	ug/l	100
37) Ethyl Acetate	6.93	43	625087	51.27	ug/l	99
38) Carbon Tetrachloride	7.78	117	1071611	52.70	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1136059	49.57	ug/l	98
40) Benzene	8.04	78	3127665	49.00	ug/l	100
41) Methacrylonitrile	7.18	41	348900	50.77	ug/l	98
42) 1,2-Dichloroethane	8.13	62	1007225	49.45	ug/l	100
43) Isopropyl Acetate	8.17	43	1134467	39.38	ug/l	96
44) Trichloroethene	8.84	130	824420	42.83	ug/l	98
45) 1,2-Dichloropropane	9.12	63	833156	50.52	ug/l	99
46) Dibromomethane	9.21	93	490949	49.21	ug/l	98
47) Bromodichloromethane	9.40	83	1088217	51.24	ug/l	98
48) Methyl methacrylate	9.20	41	562722	51.94	ug/l	99
49) 1,4-Dioxane	9.20	88	149946	1029.44	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3131794	261.99	ug/l	100
52) Toluene	10.16	92	1948366	50.53	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1104863	54.33	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1264422	53.20	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	716460	49.90	ug/l	99
56) Ethyl methacrylate	10.43	69	904052	53.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1198009	51.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2194285	280.07	ug/l	100
59) 2-Hexanone	10.75	43	2118201	267.97	ug/l	100
60) Dibromochloromethane	10.90	129	833601	53.72	ug/l	99
61) 1,2-Dibromoethane	11.01	107	696428	50.62	ug/l	100
64) Tetrachloroethene	10.63	164	746259	31.99	ug/l	99
65) Chlorobenzene	11.44	112	2162404	48.11	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	815253	50.48	ug/l	99
67) Ethyl Benzene	11.51	91	3743558	50.39	ug/l	100
68) m/p-Xylenes	11.62	106	2893274	101.61	ug/l	99
69) o-Xylene	11.95	106	1377036	50.51	ug/l	98
70) Styrene	11.97	104	2283453	51.77	ug/l	100
71) Bromoform	12.13	173	568079	52.94	ug/l	100
73) Isopropylbenzene	12.25	105	3748449	51.14	ug/l	100
74) N-amyl acetate	12.07	43	997307	49.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	891252	51.49	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	737178m	49.95	ug/l	
77) Bromobenzene	12.53	156	945552	47.44	ug/l	100
78) n-propylbenzene	12.59	91	4347452	51.75	ug/l	100
79) 2-Chlorotoluene	12.68	91	2552963	48.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3083801	50.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	249757	57.47	ug/l	99
82) 4-Chlorotoluene	12.77	91	2600244	48.64	ug/l	100
83) tert-Butylbenzene	12.99	119	2680902	51.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3116629	49.79	ug/l	100
85) sec-Butylbenzene	13.17	105	3618621	52.19	ug/l	100
86) p-Isopropyltoluene	13.29	119	3159923	52.62	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1699488	46.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1652485	44.98	ug/l	99
89) n-Butylbenzene	13.62	91	2630757	51.17	ug/l	100
90) Hexachloroethane	13.88	117	588112	93.23	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1640634	45.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	132046	43.72	ug/l	97

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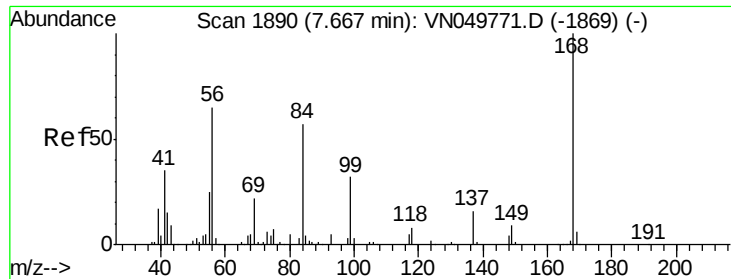
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	890468	54.06	ug/l	99
94) Hexachlorobutadiene	15.01	225	536618	46.97	ug/l	99
95) Naphthalene	15.14	128	1824549	51.63	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	876409	51.72	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1302662

Ion Ratio Lower Upper

168 100

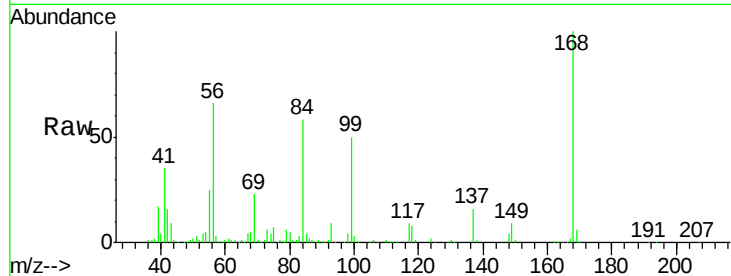
99 50.0 40.6 61.0

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

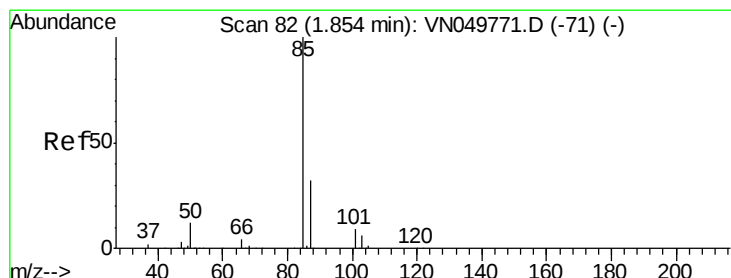
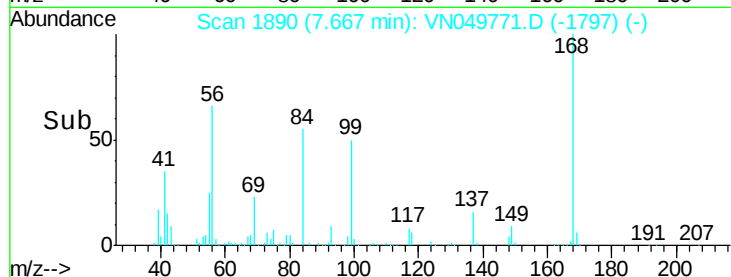
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 38.76 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049771.D

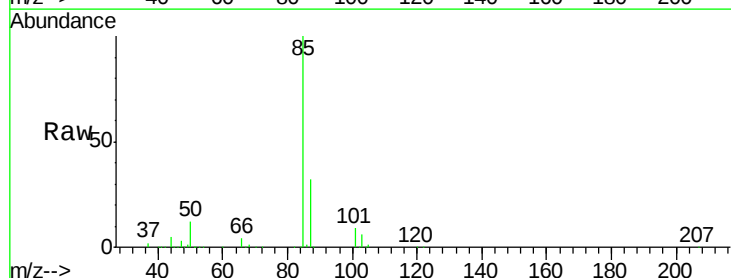
Acq: 12 Jul 2018 12:06

Tgt Ion: 85 Resp: 569069

Ion Ratio Lower Upper

85 100

87 32.1 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

500000

400000

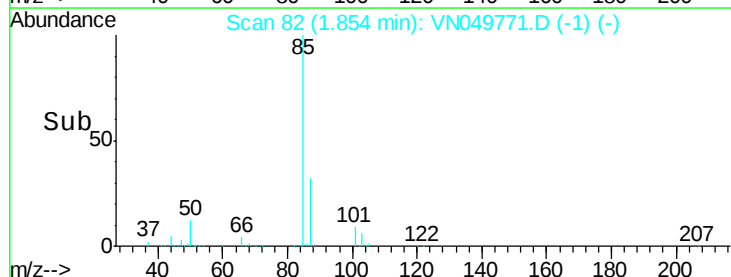
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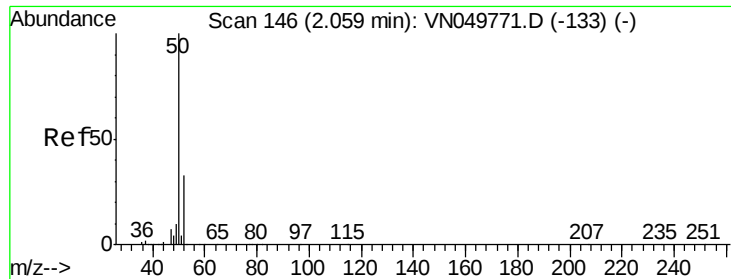
200000

100000

0

Time-->





#3

Chloromethane

Concen: 40.59 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 744162

Ion Ratio Lower Upper

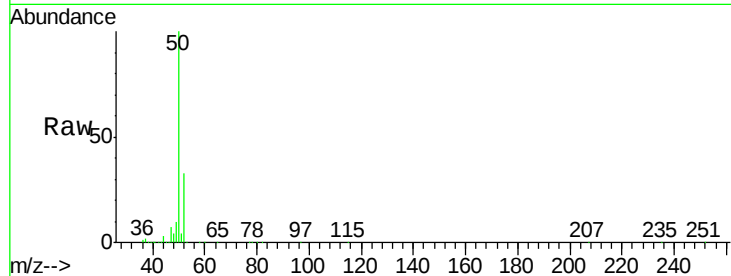
50 100

52 33.1 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

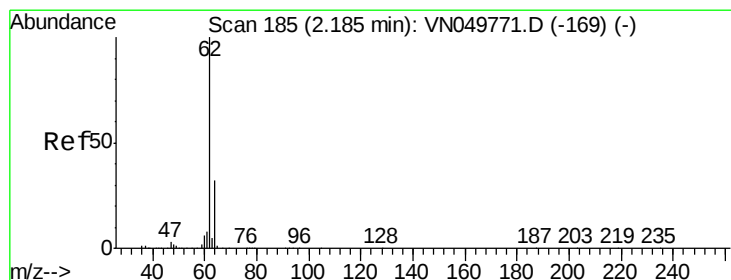
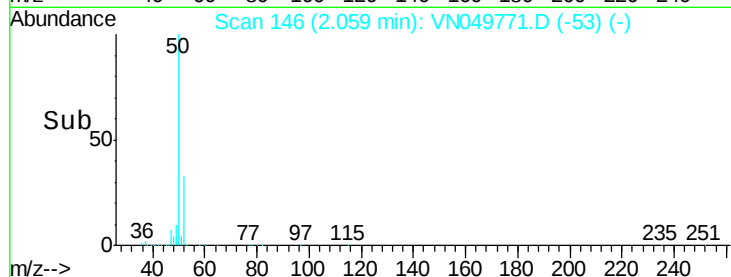
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 41.52 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049771.D

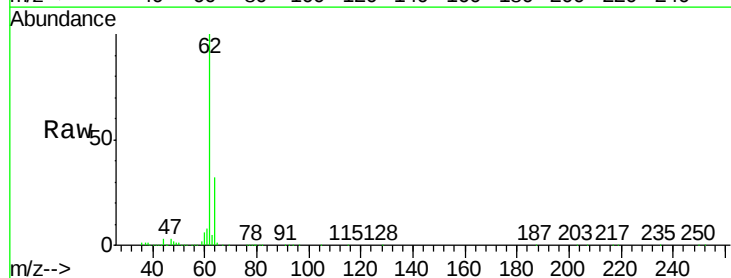
Acq: 12 Jul 2018 12:06

Tgt Ion: 62 Resp: 817579

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

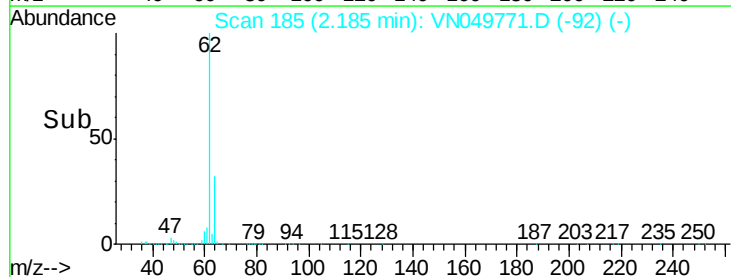
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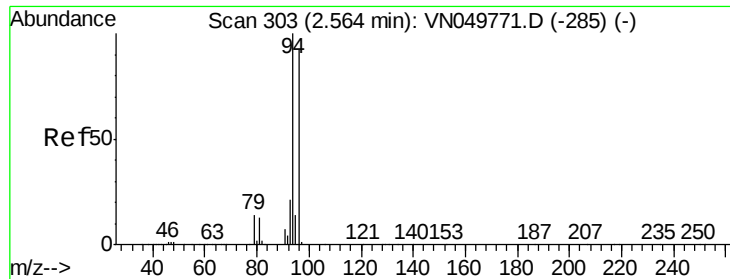
400000

200000

0

Time-->





#5

Bromomethane

Concen: 48.11 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 497617

Ion Ratio Lower Upper

94 100

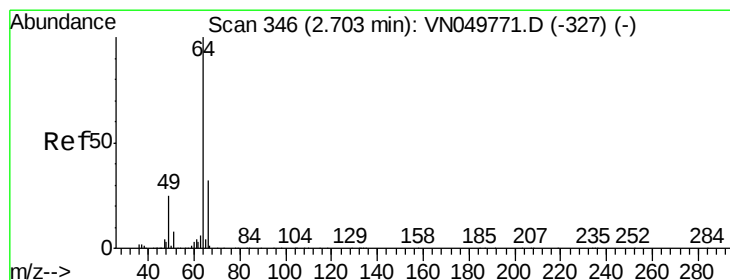
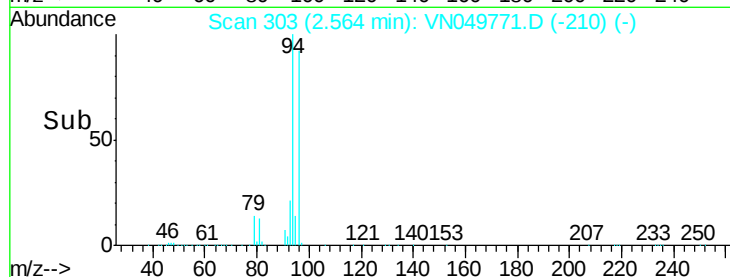
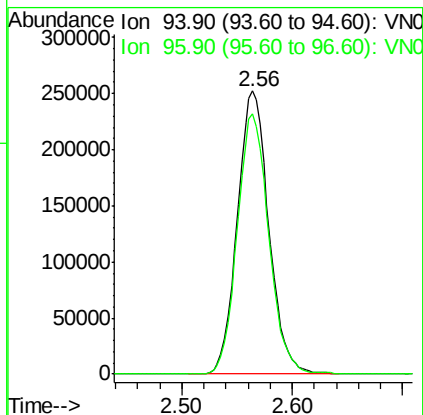
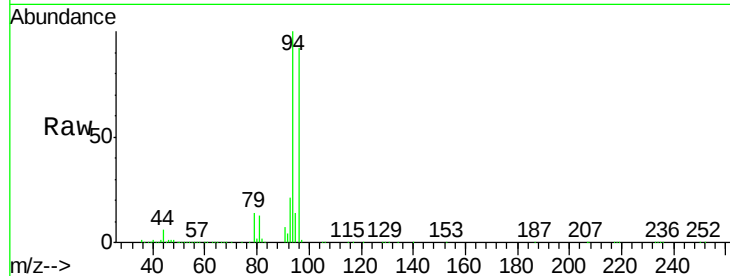
96 91.9 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 42.95 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049771.D

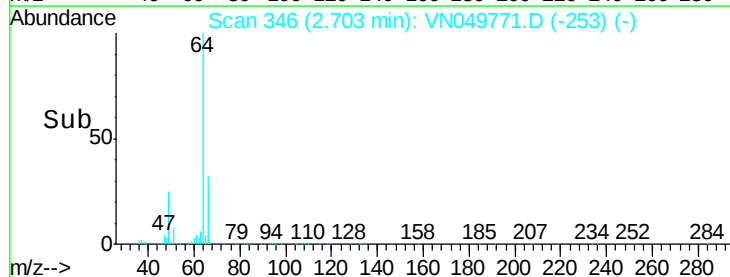
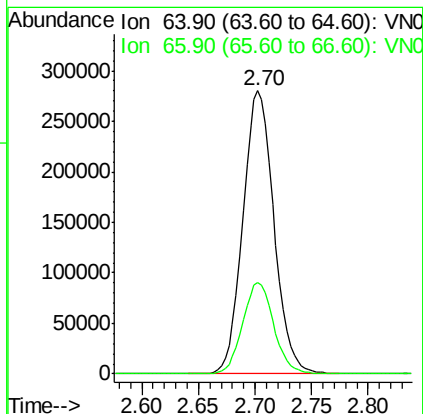
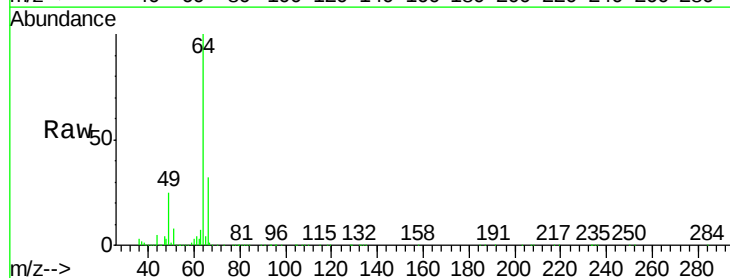
Acq: 12 Jul 2018 12:06

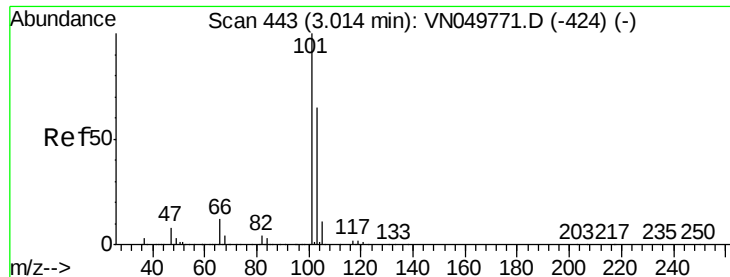
Tgt Ion: 64 Resp: 535319

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

Trichlorofluoromethane

Concen: 51.19 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 1151488

Ion Ratio Lower Upper

101 100

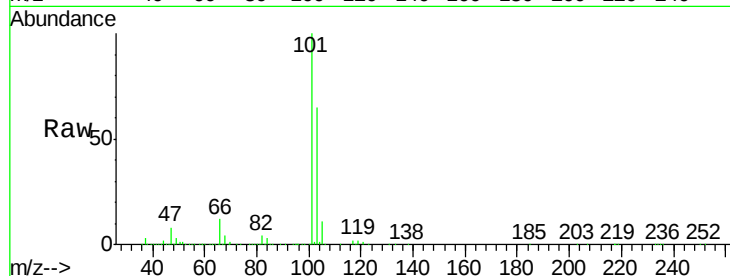
103 65.2 52.8 79.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

600000

500000

400000

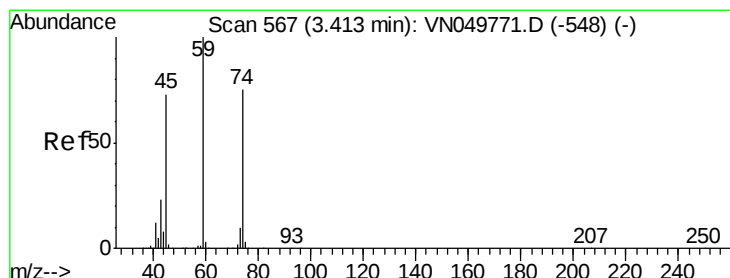
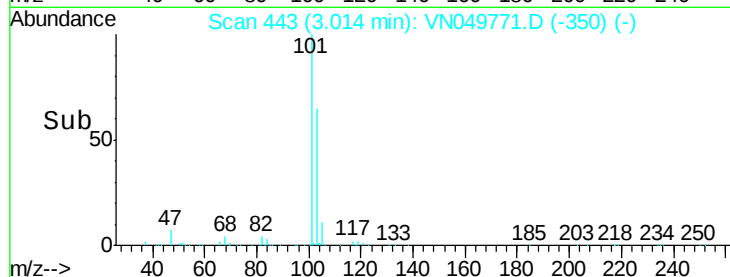
300000

200000

100000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 44.60 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049771.D

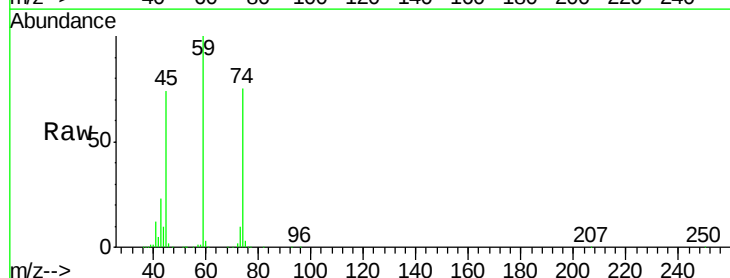
Acq: 12 Jul 2018 12:06

Tgt Ion: 74 Resp: 406674

Ion Ratio Lower Upper

74 100

45 95.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

200000

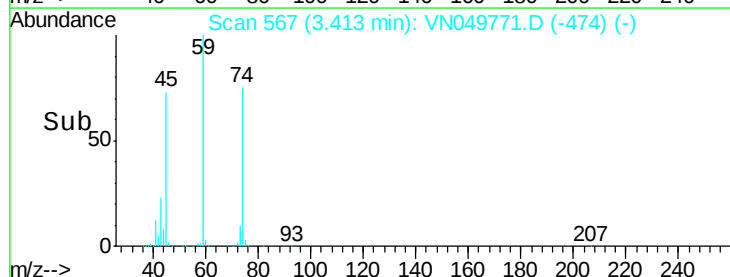
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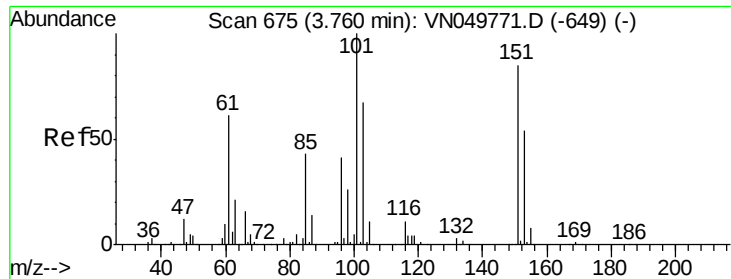
100000

50000

0

Time--> 3.30 3.40 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.74 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

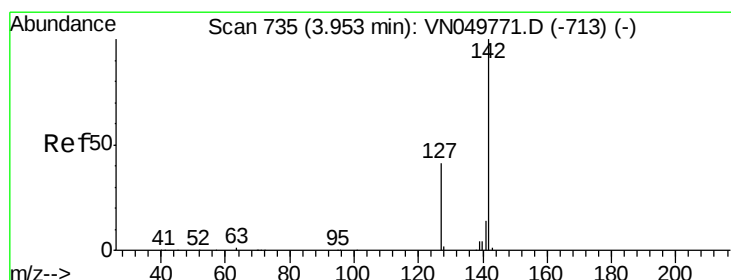
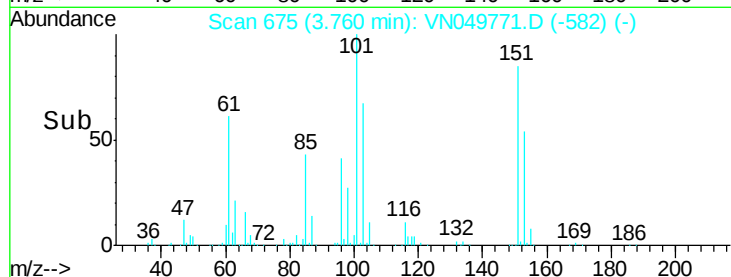
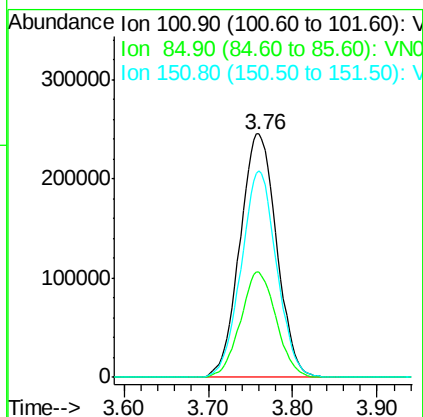
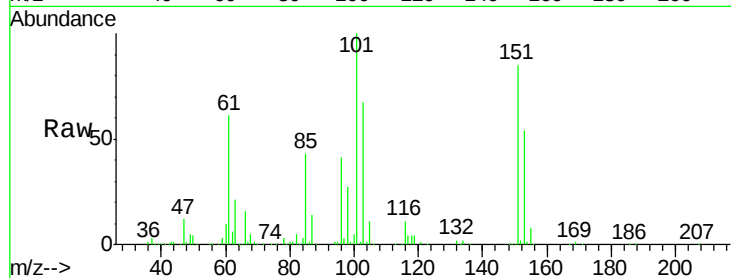
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	740199
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.4	51.6
151	82.2	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 51.01 ug/l

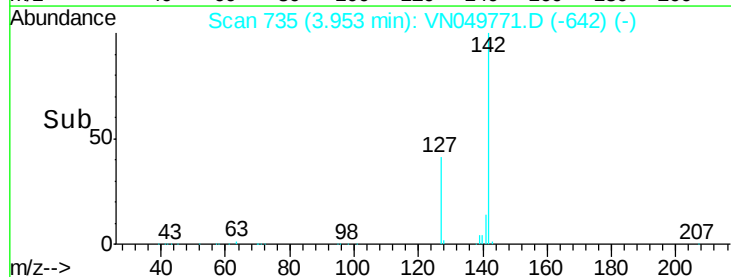
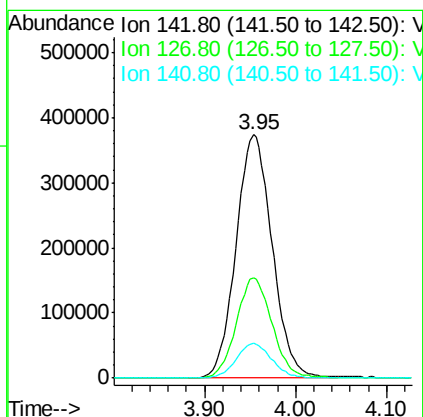
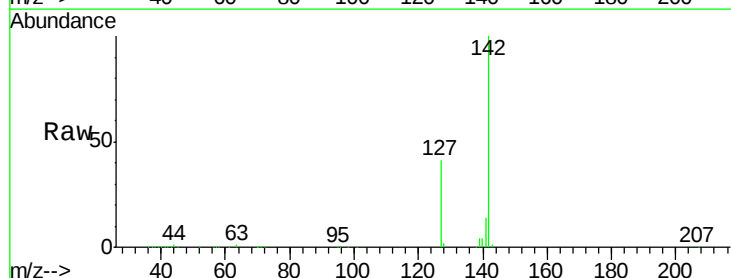
RT: 3.95 min Scan# 735

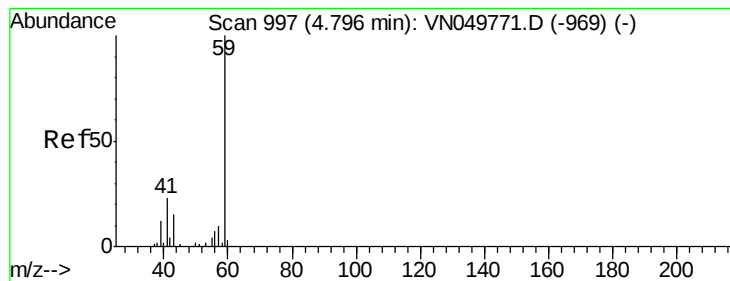
Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Tgt Ion:	142	Resp:	1033111
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.5	48.7
141	14.2	11.1	16.7





#11

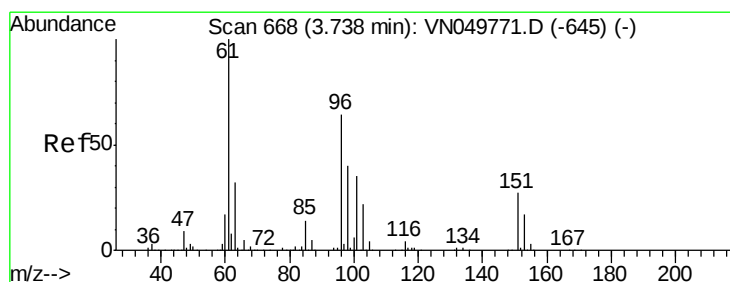
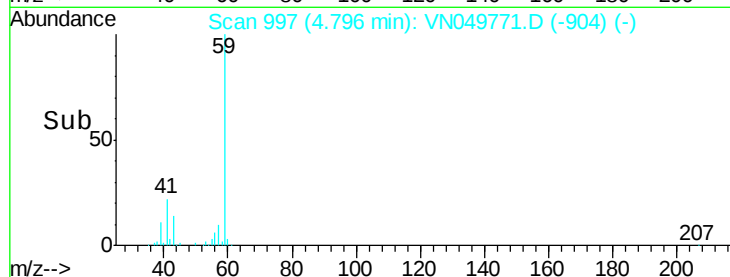
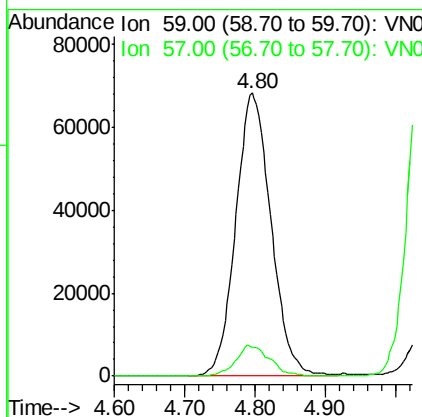
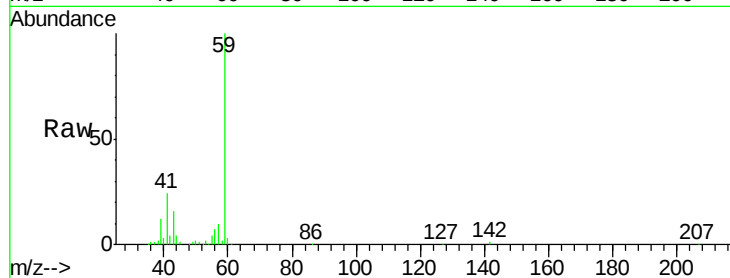
Tert butyl alcohol
Concen: 241.24 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	59	57	Ratio	100	10.4	Resp	238146	Lower	8.5	Upper	12.7
Ion											

Manual Integrations
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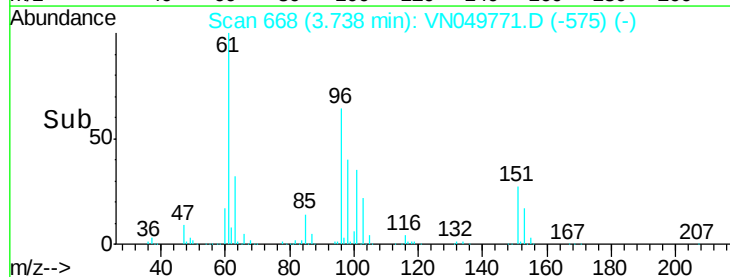
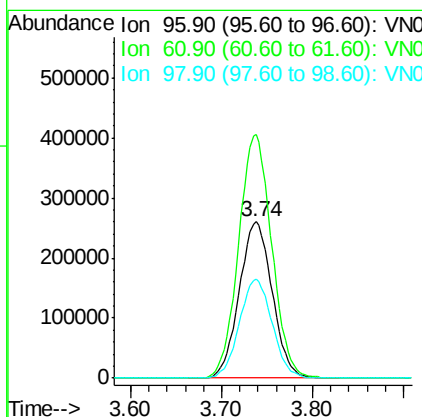
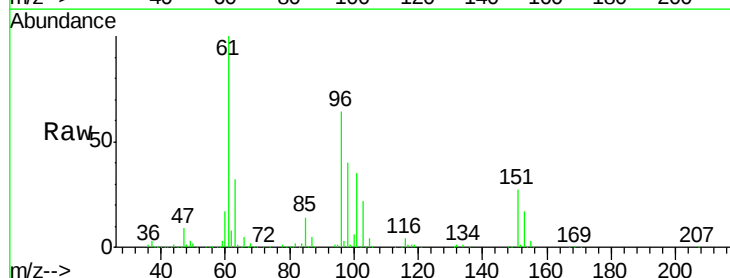
MMDadoda
7/13/2018 1:35:09 PM

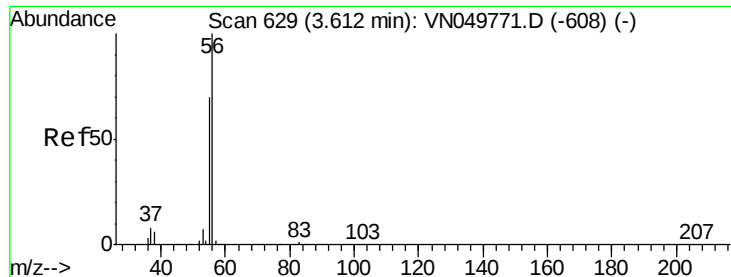


#12

1,1-Dichloroethene
Concen: 42.86 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	96	61	98	Ratio	100	155.7	63.0	Resp	655773	Lower	126.5	51.0	Upper	189.7	76.6
Ion															





#13

Acrolein

Concen: 237.05 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 218583

Ion Ratio Lower Upper

56 100

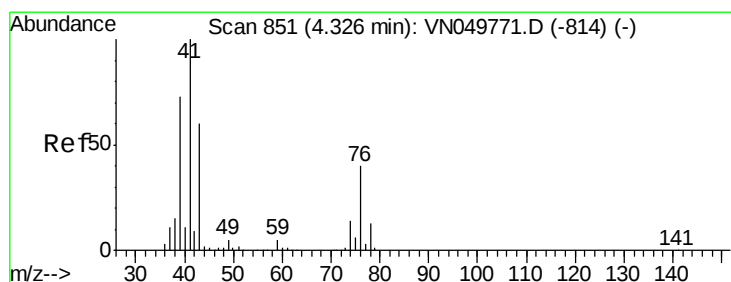
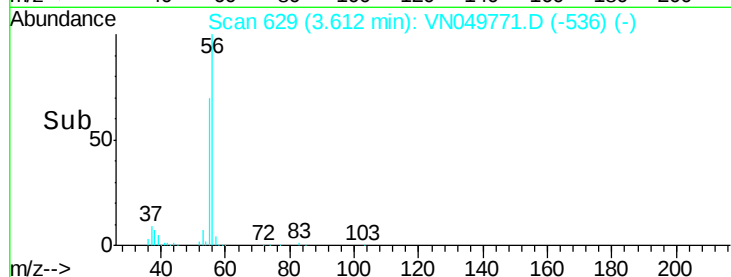
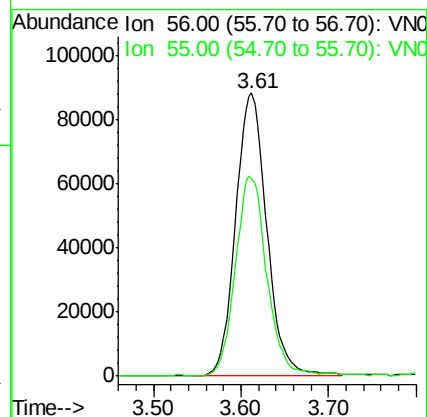
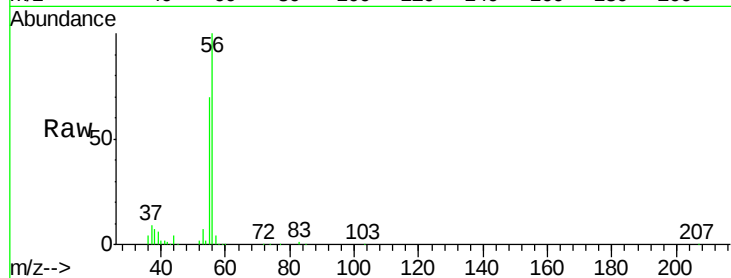
55 70.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 50.90 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

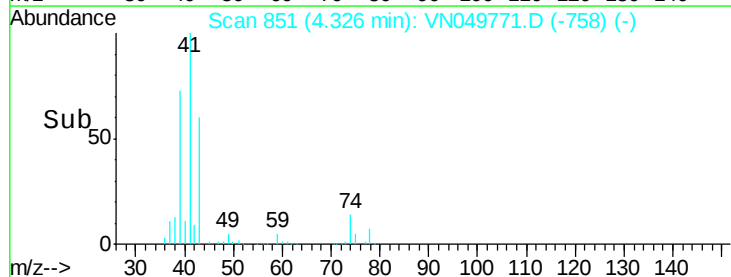
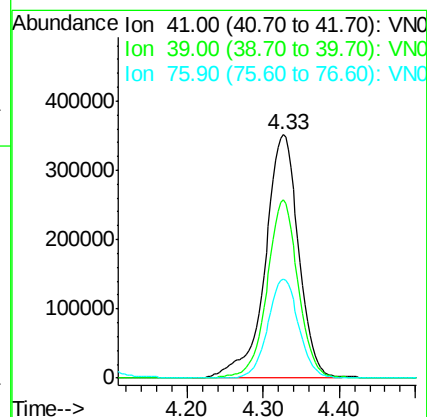
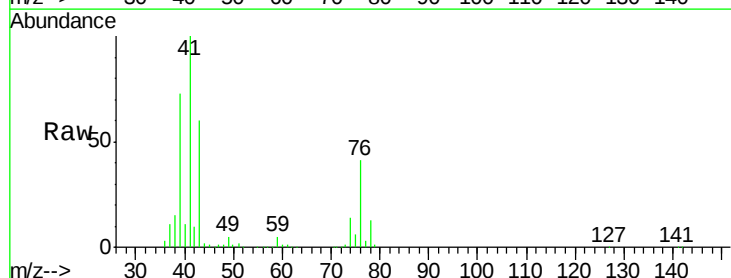
Tgt Ion: 41 Resp: 1069636

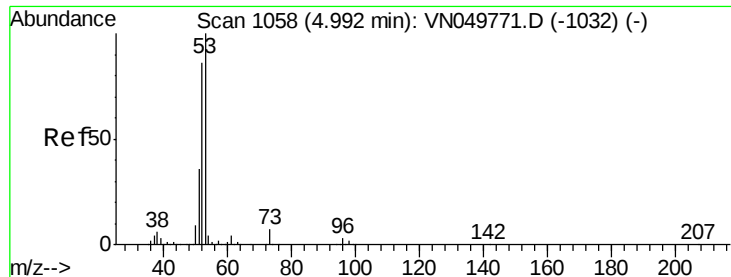
Ion Ratio Lower Upper

41 100

39 67.7 53.2 79.8

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 235.44 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 1200376

Ion Ratio Lower Upper

53 100

52 82.5 64.8 97.2

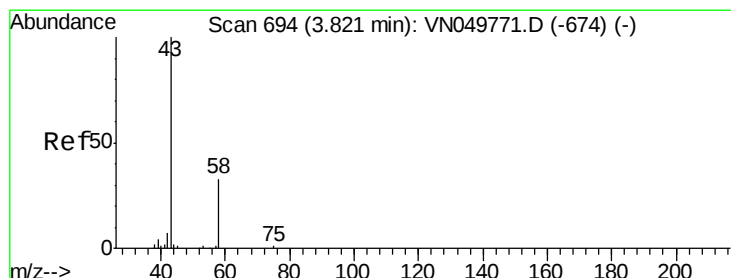
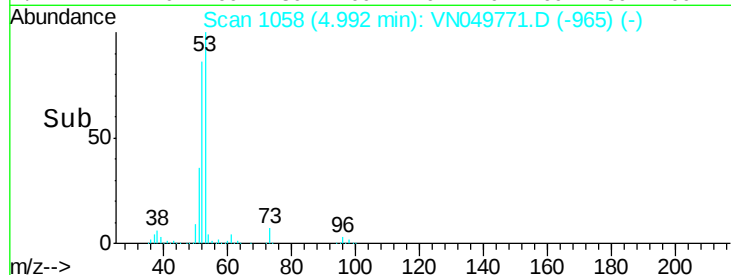
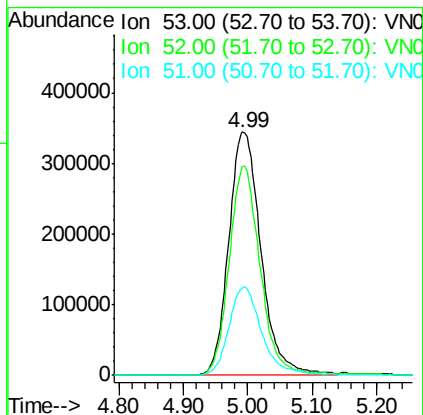
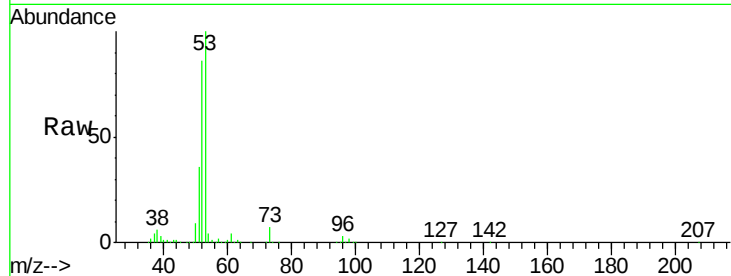
51 36.8 28.9 43.3

Manual Integrations

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#16

Acetone

Concen: 208.90 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049771.D

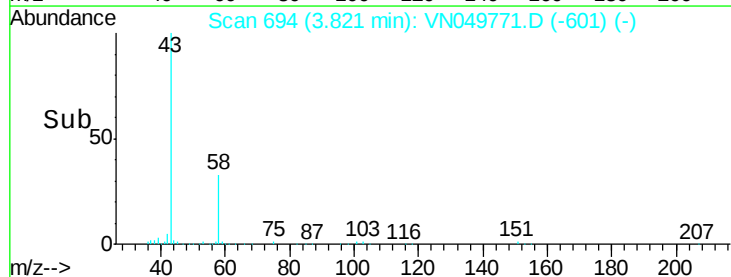
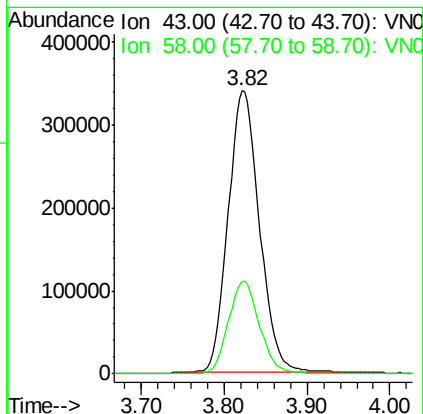
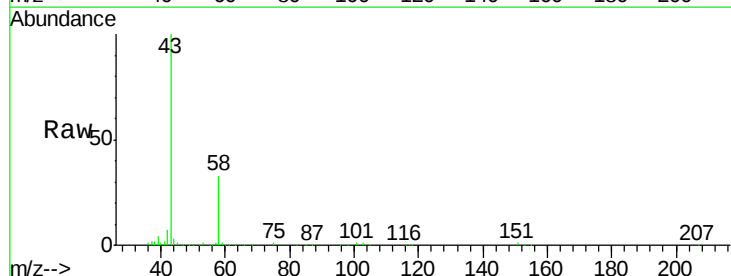
Acq: 12 Jul 2018 12:06

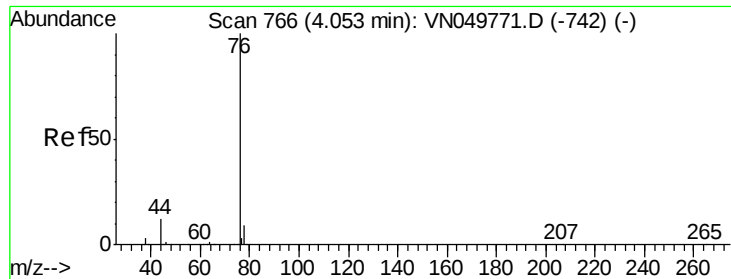
Tgt Ion: 43 Resp: 890078

Ion Ratio Lower Upper

43 100

58 32.6 25.9 38.9





#17

Carbon Disulfide

Concen: 38.17 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 1770480

Ion Ratio Lower Upper

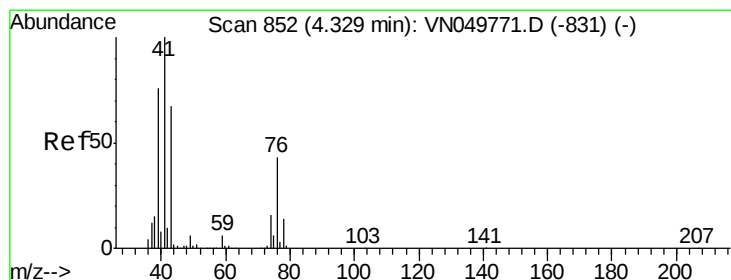
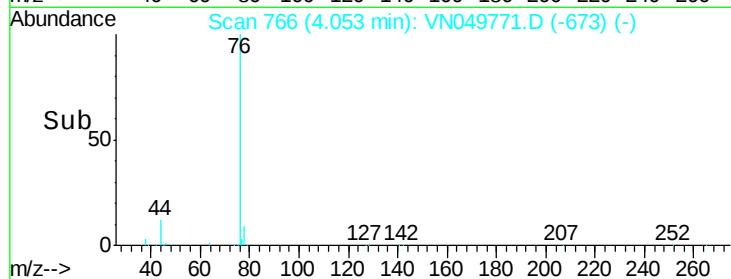
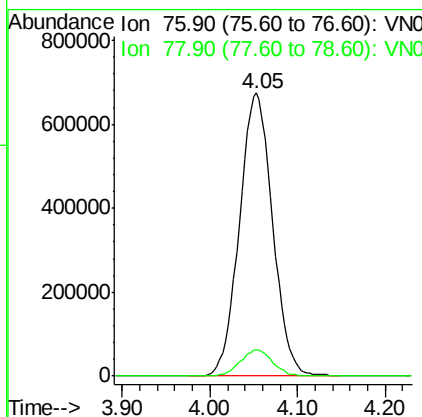
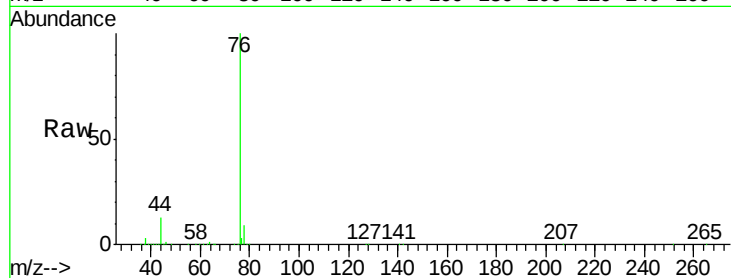
76 100

78 9.4 7.1 10.7

Manual Integrations
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#18

Methyl Acetate

Concen: 23.37 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049771.D

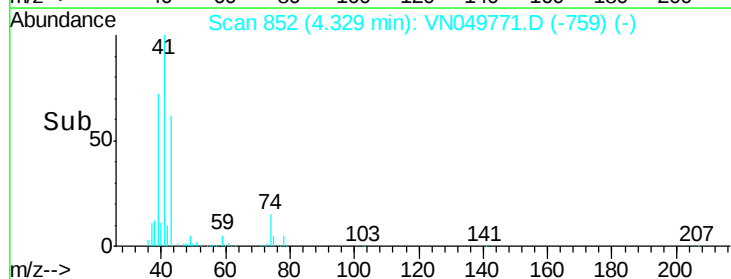
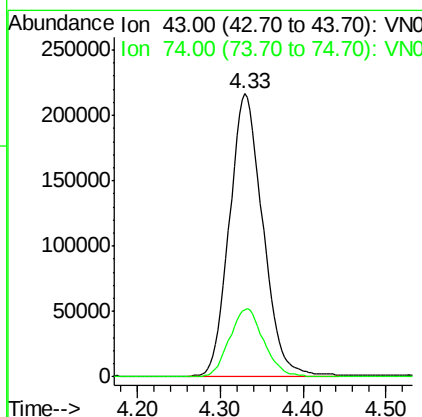
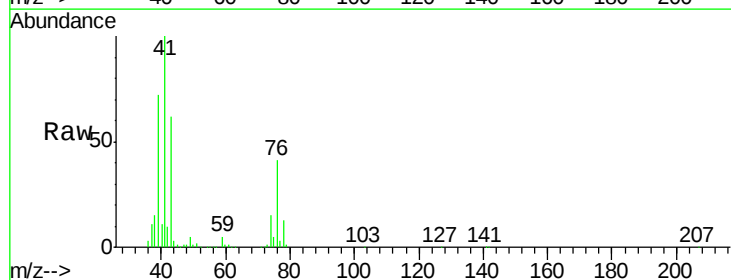
Acq: 12 Jul 2018 12:06

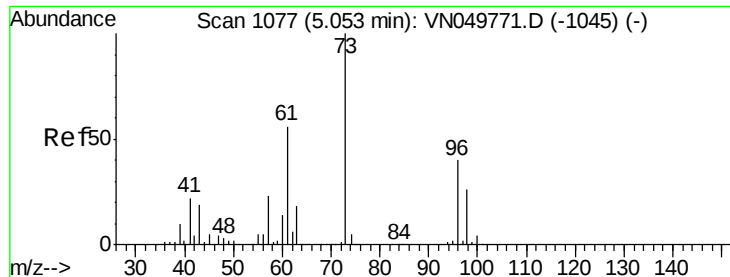
Tgt Ion: 43 Resp: 605901

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8





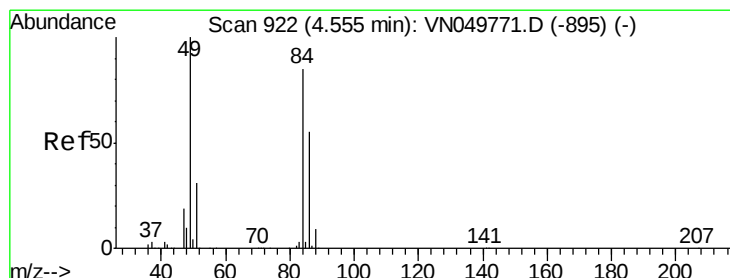
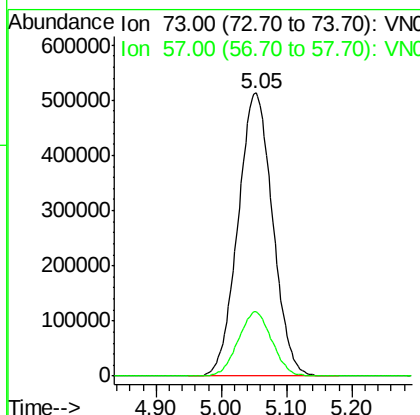
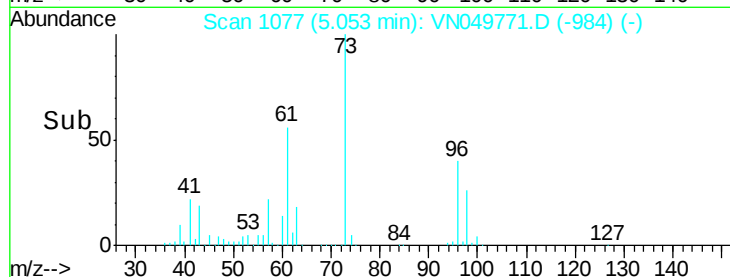
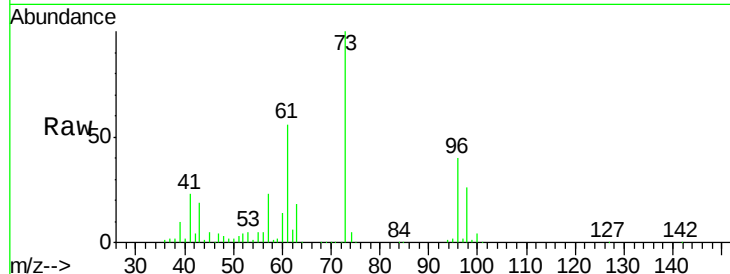
#19
Methyl tert-butyl Ether
Concen: 47.89 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 1888841
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

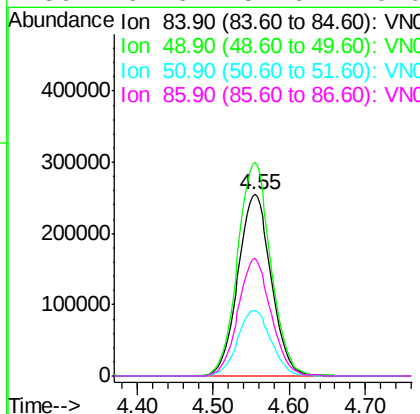
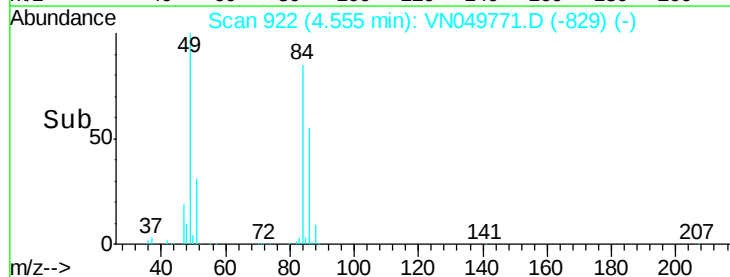
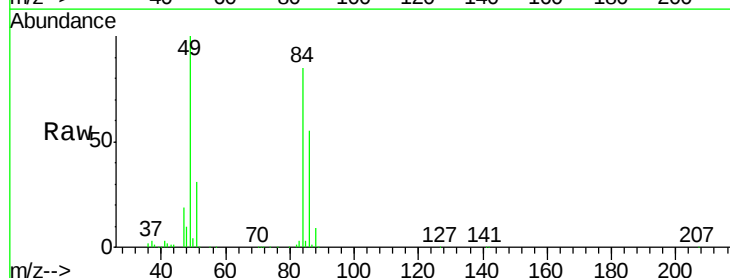
Manual Integrations
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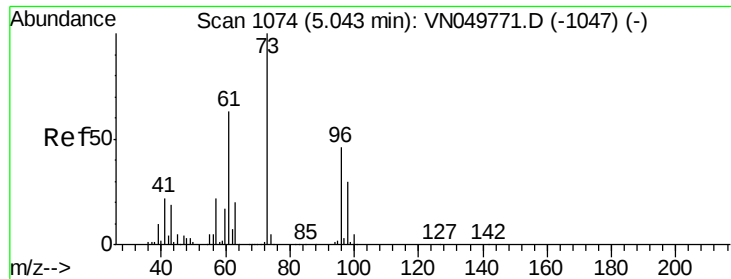
MMDadoda
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#20
Methylene Chloride
Concen: 43.63 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion: 84 Resp: 772889
Ion Ratio Lower Upper
84 100
49 117.7 95.4 143.2
51 36.1 28.4 42.6
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.01 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

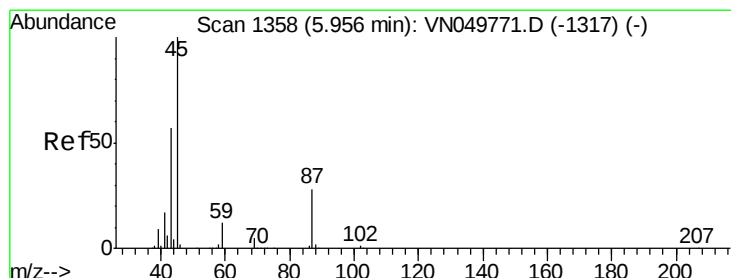
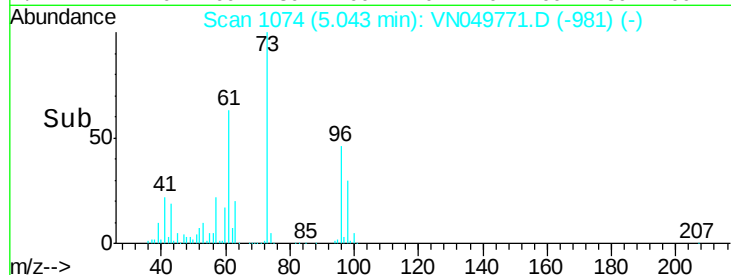
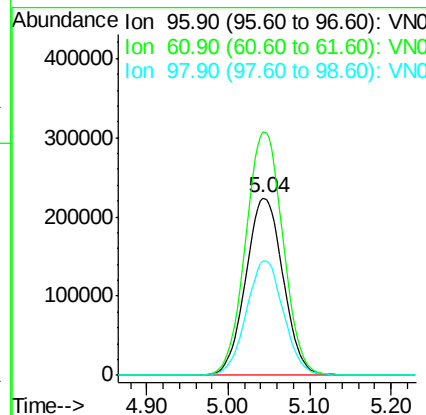
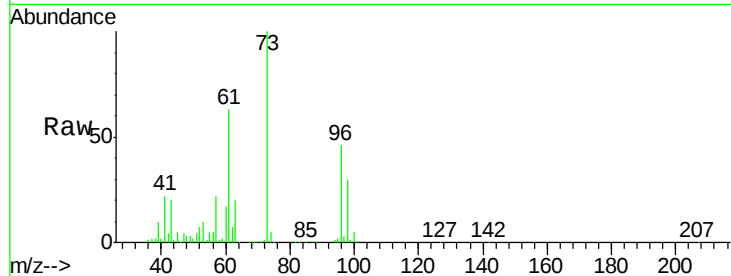
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	708726
Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.0	163.6
98	64.2	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.20 ug/l

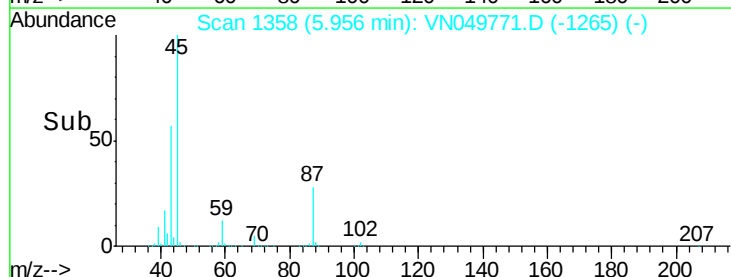
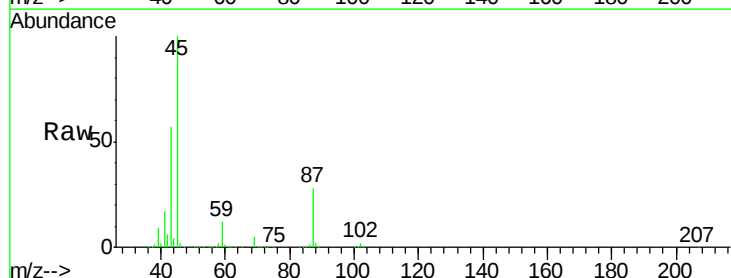
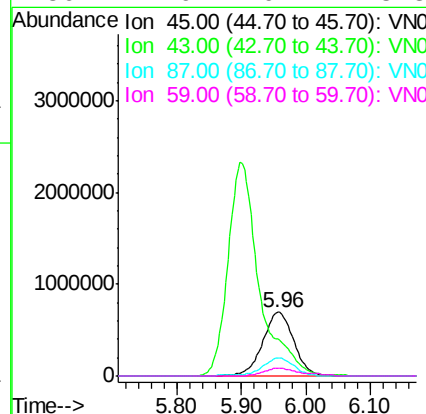
RT: 5.96 min Scan# 1358

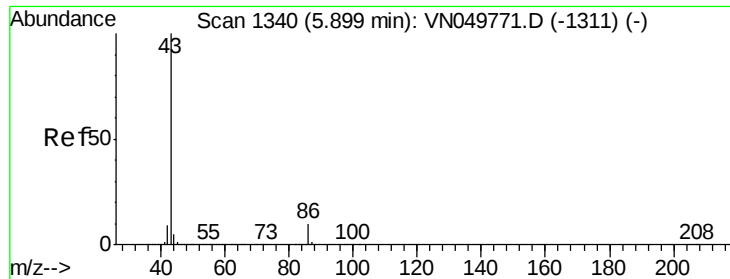
Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Tgt Ion:	45	Resp:	2339307
Ion	Ratio	Lower	Upper
45	100		
43	57.2	48.1	72.1
87	28.0	22.6	34.0
59	11.9	9.2	13.8





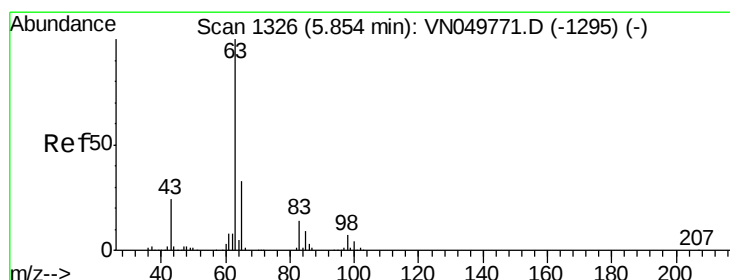
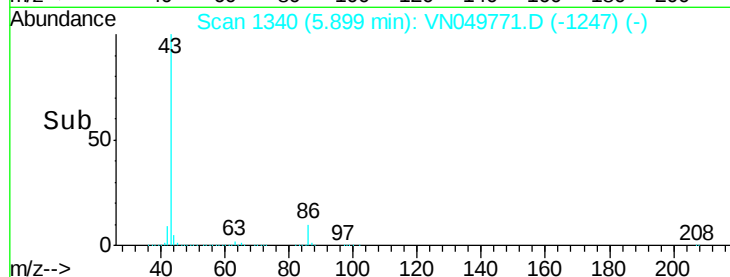
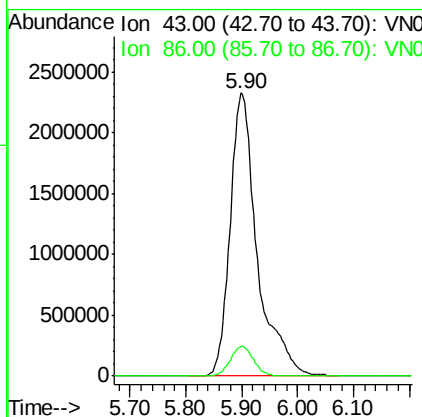
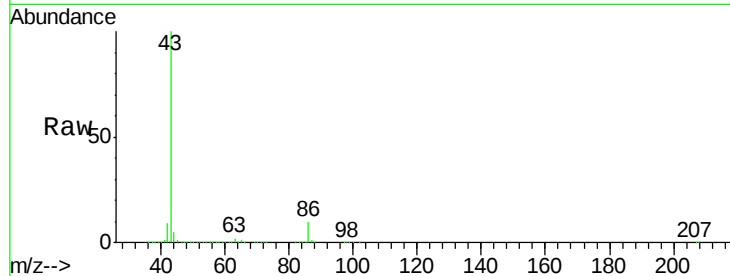
#23
 Vinyl Acetate
 Concen: 254.94 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 7860944
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

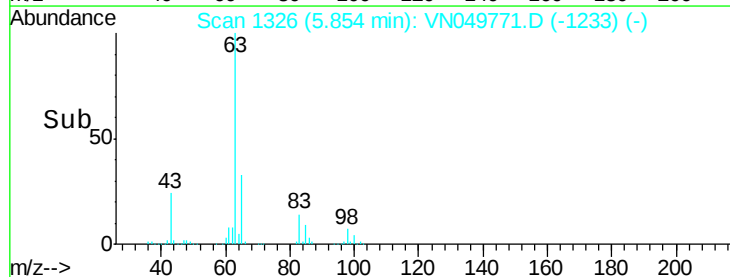
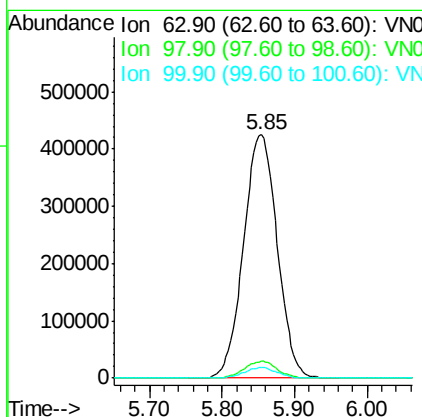
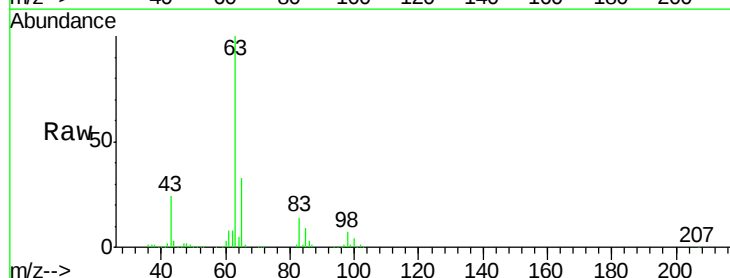
Manual Integrations
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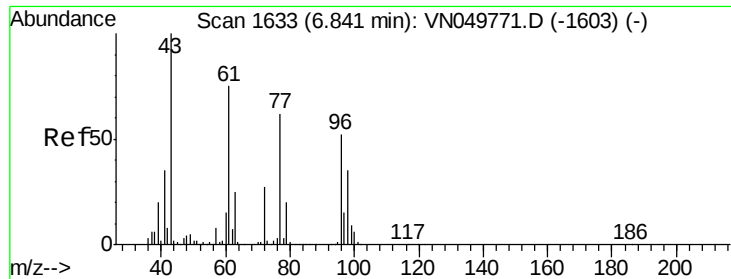
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#24
 1,1-Dichloroethane
 Concen: 45.91 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion: 63 Resp: 1375328
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 245.49 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Tot Ion: 43 Resp: 1401968

Ion Ratio Lower Upper

43 100

72 27.2 22.1 33.1

Instrument :

MSVOA_N

ClientSampled :

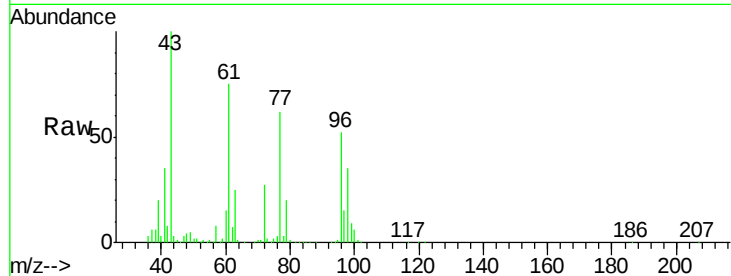
VSTDICCC050

Manual Integrations

APPROVED

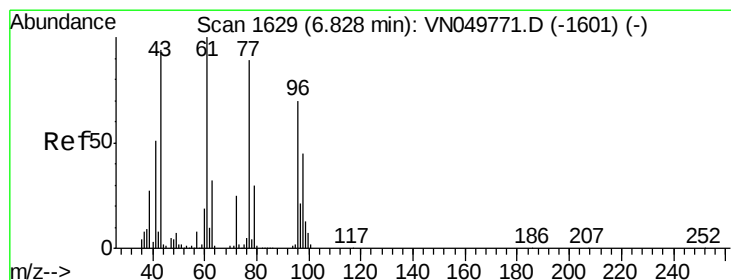
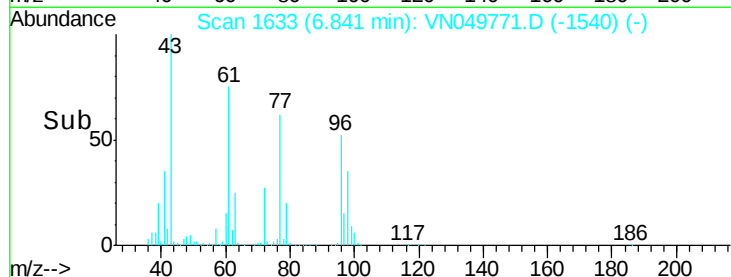
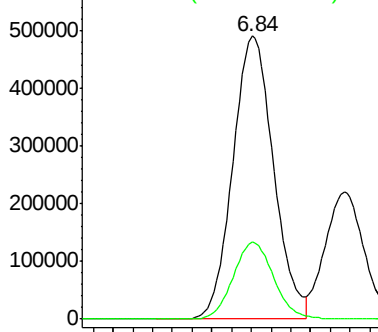
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.35 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049771.D

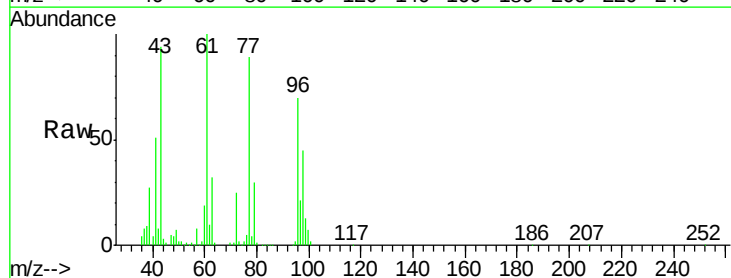
Acq: 12 Jul 2018 12:06

Tgt Ion: 77 Resp: 1153025

Ion Ratio Lower Upper

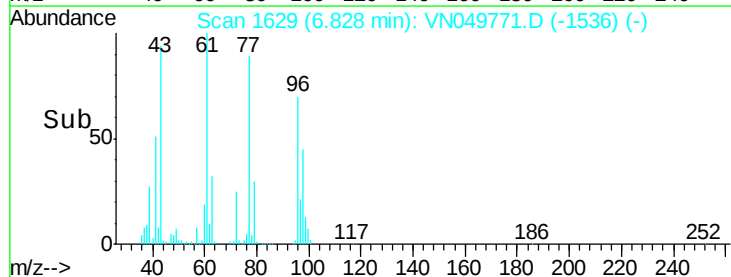
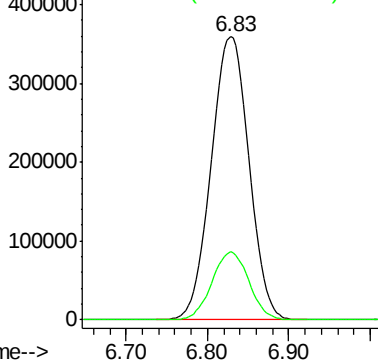
77 100

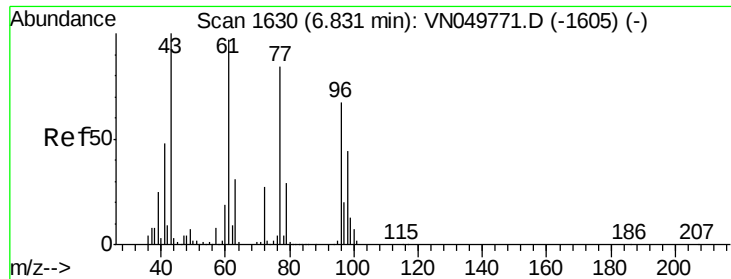
97 23.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





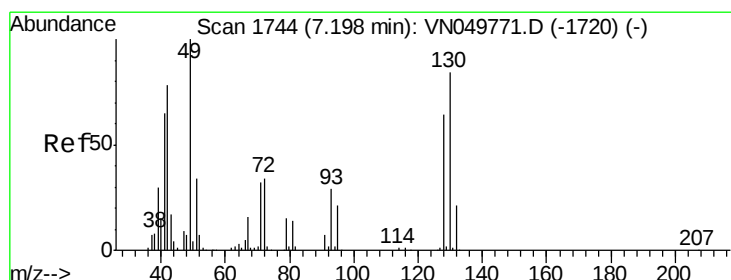
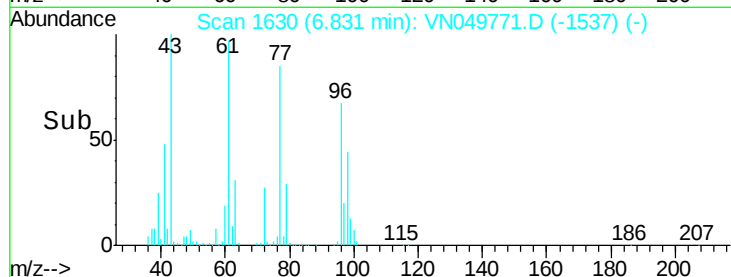
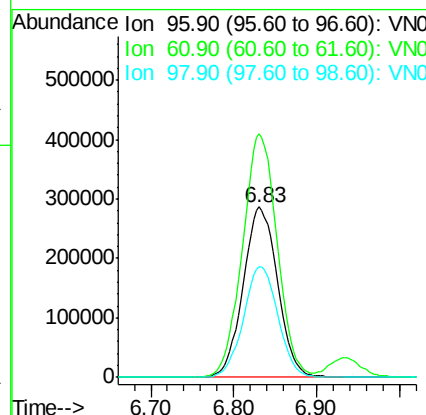
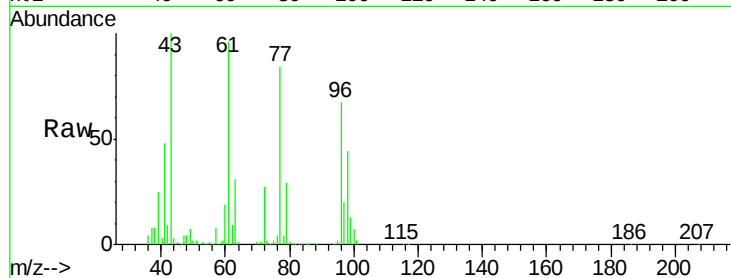
#27
 cis-1,2-Dichloroethene
 Concen: 46.98 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	289.0
98	65.1	0.0	130.2

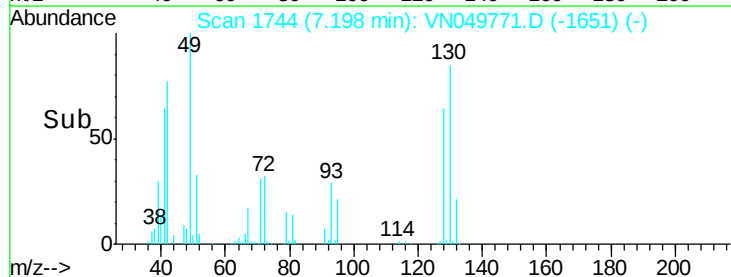
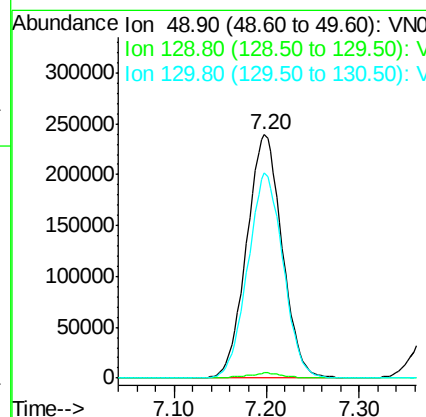
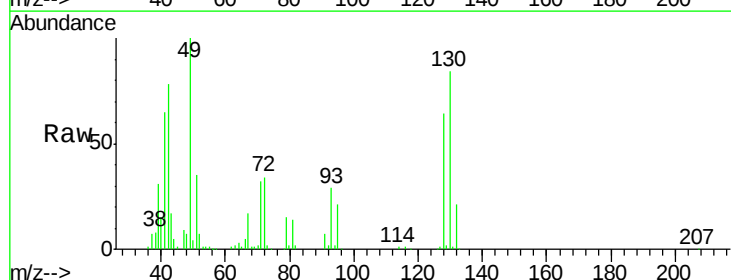
Manual Integrations
 APPROVED

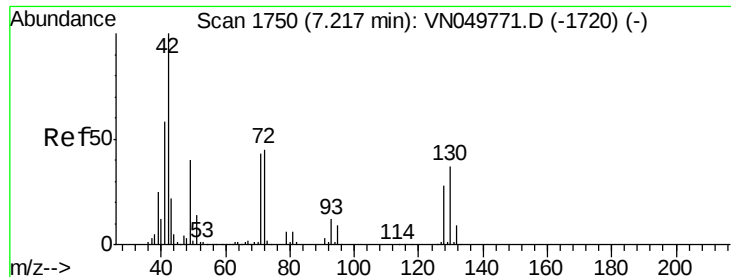
MMDadoda
 7/13/2018 1:35:09 PM



#28
 Bromochloromethane
 Concen: 50.08 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.9	65.5	98.3





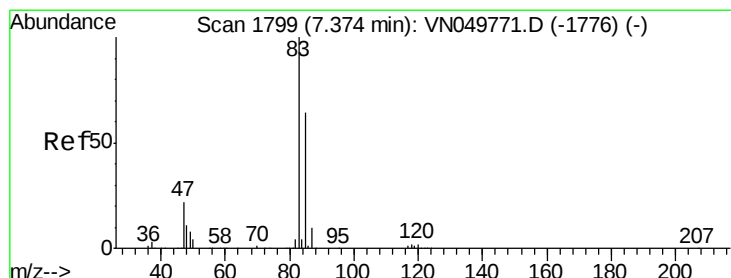
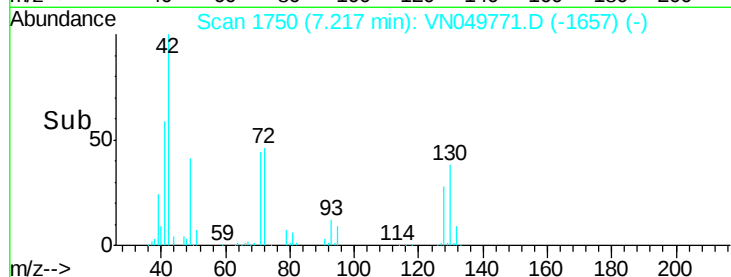
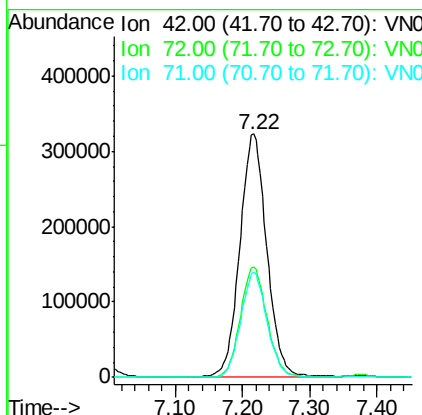
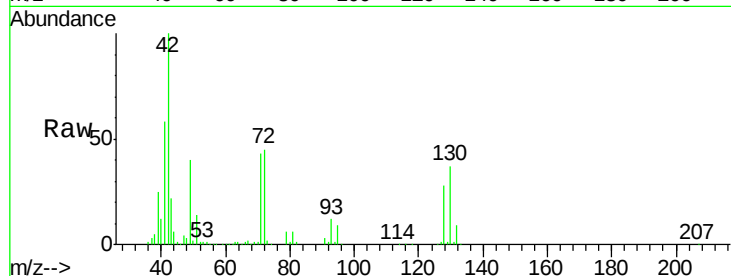
#29
Tetrahydrofuran
Concen: 245.74 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	42.0	34.0	51.0

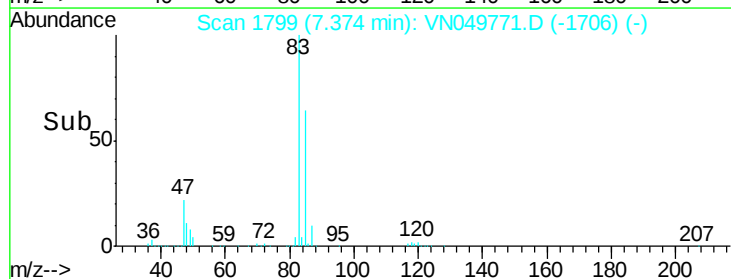
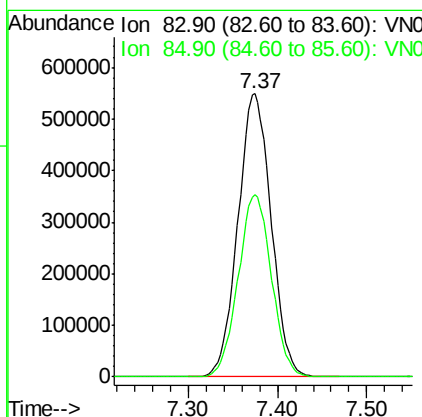
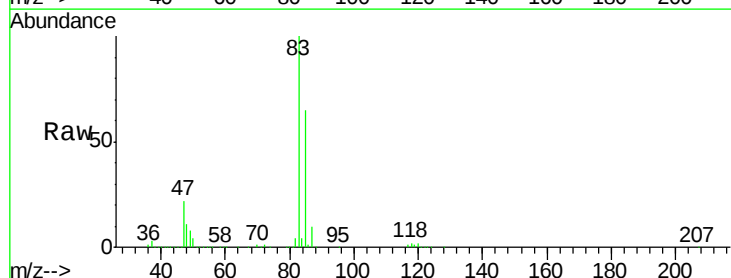
Manual Integrations
APPROVED

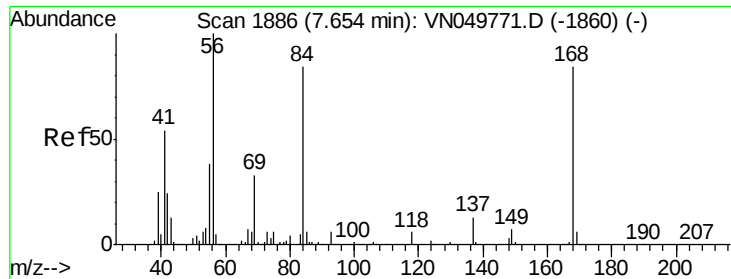
MMDadoda
7/13/2018 1:35:09 PM



#30
Chloroform
Concen: 46.38 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





#31

Cyclohexane

Concen: 39.51 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 1165580

Ion Ratio Lower Upper

56 100

69 32.5 26.6 40.0

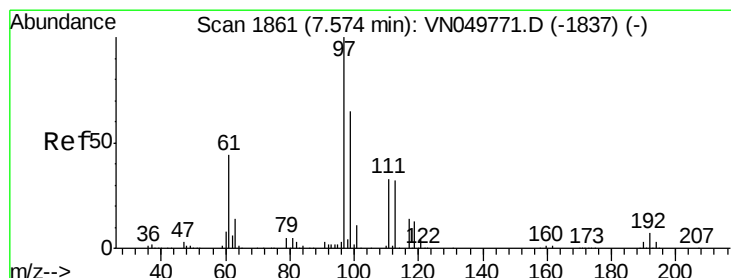
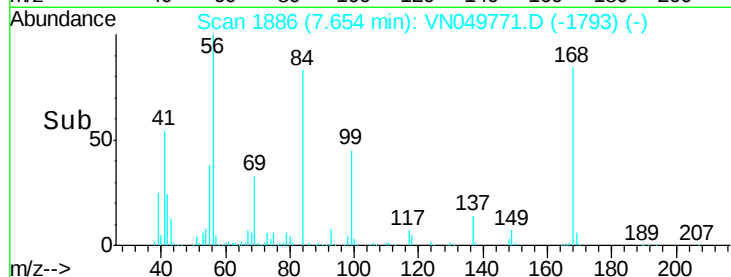
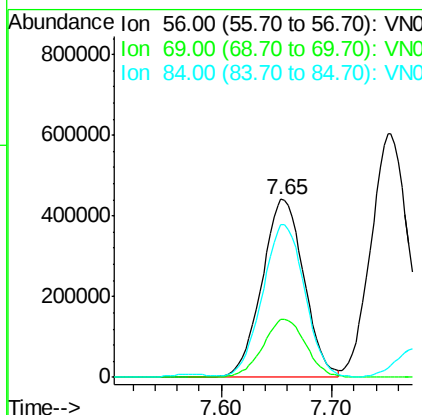
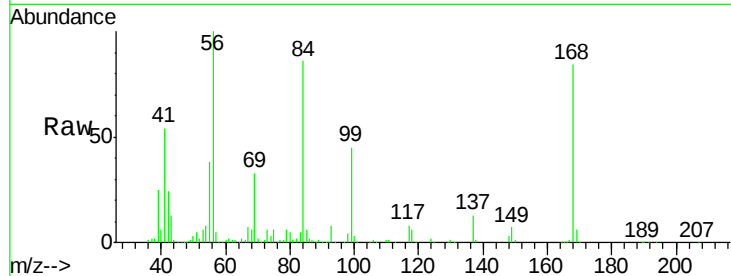
84 84.2 69.0 103.6

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#32

1,1,1-Trichloroethane

Concen: 46.72 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

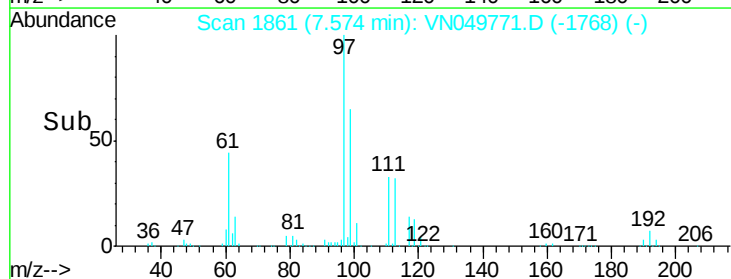
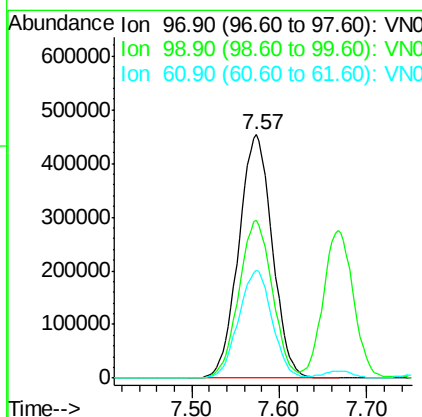
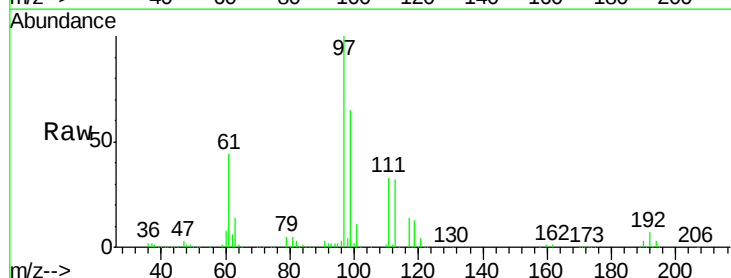
Tgt Ion: 97 Resp: 1207717

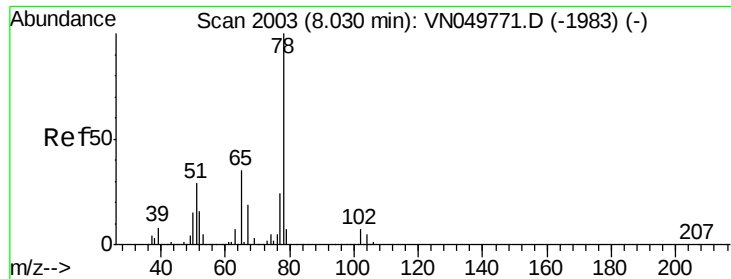
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 44.1 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 42.21 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 726180

Ion Ratio Lower Upper

65 100

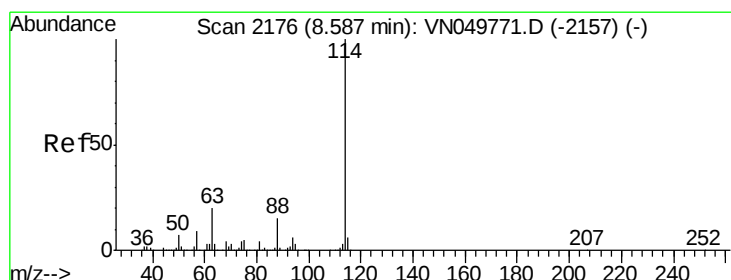
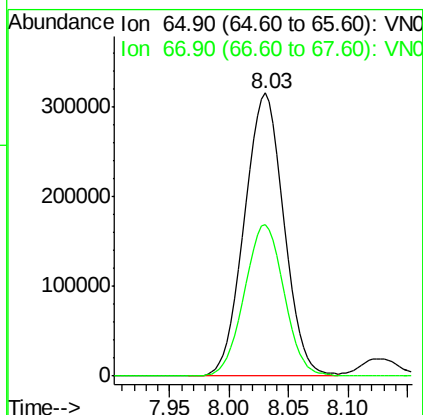
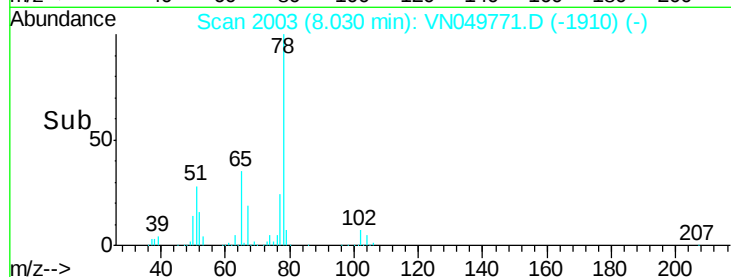
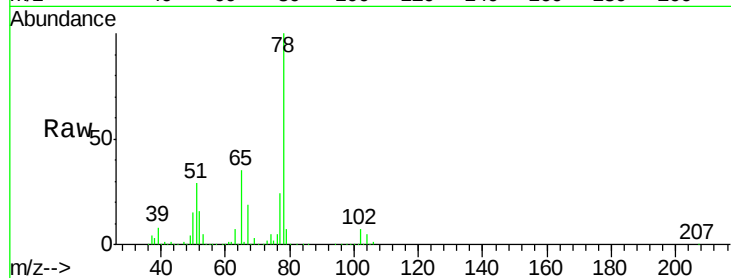
67 54.1 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

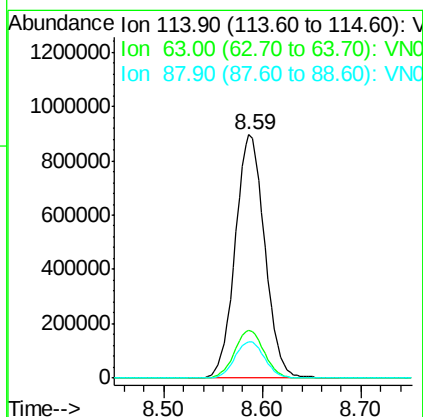
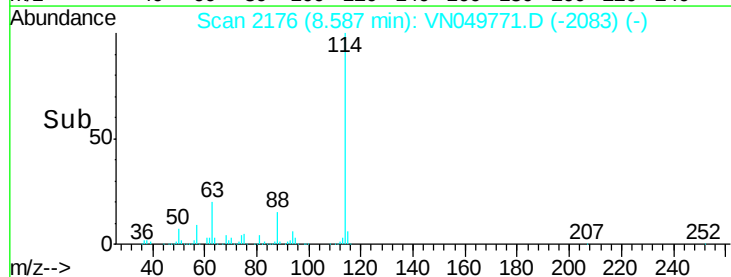
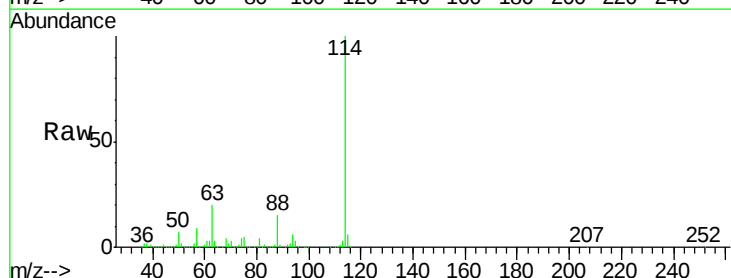
Tgt Ion: 114 Resp: 1857994

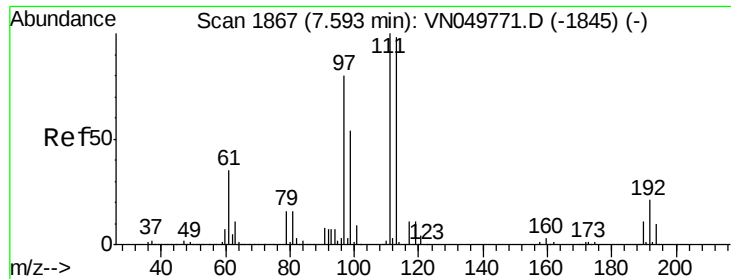
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.1 0.0 30.6





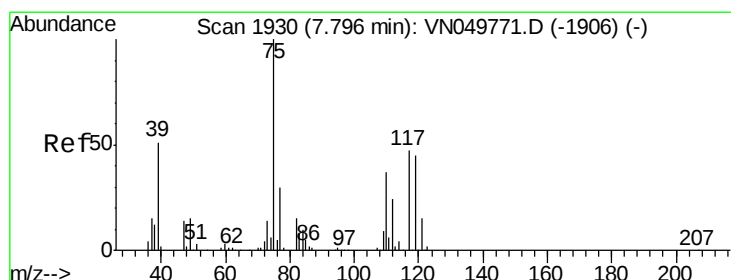
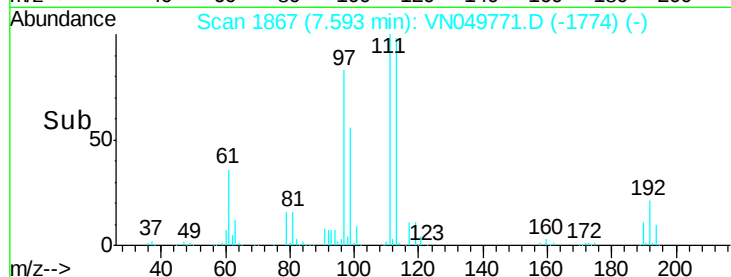
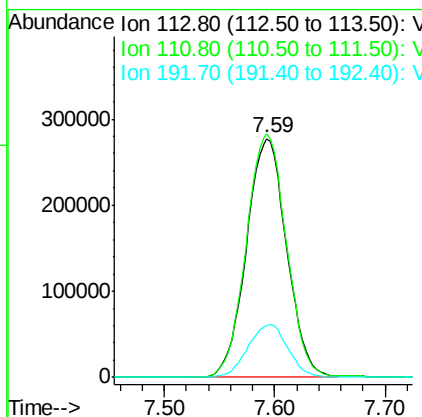
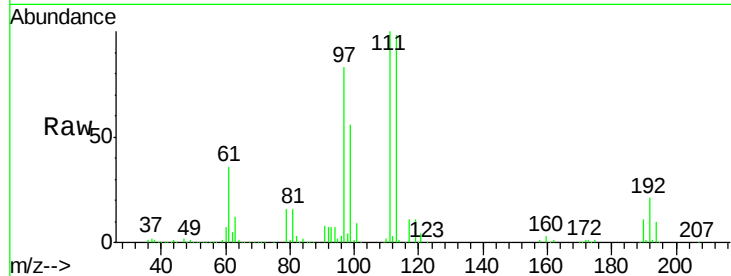
#35
Dibromofluoromethane
Concen: 50.26 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	698160		
111	102.4	81.8	122.8	
192	22.2	17.8	26.6	

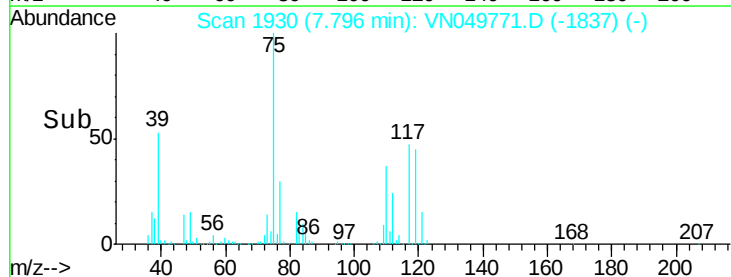
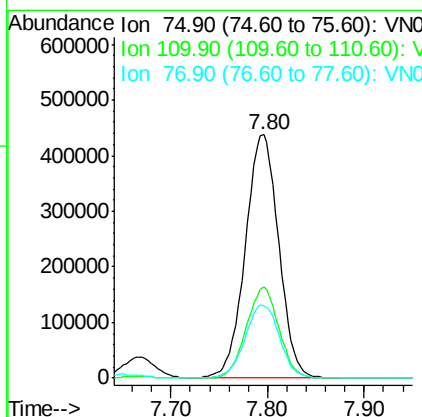
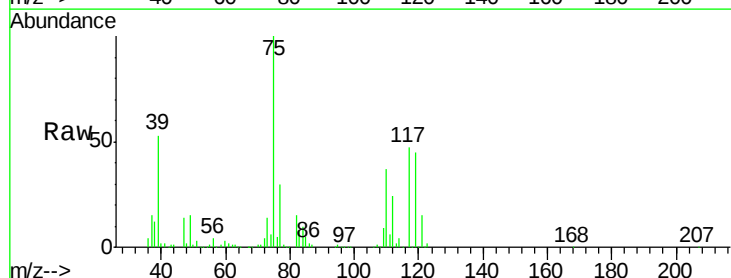
Manual Integrations
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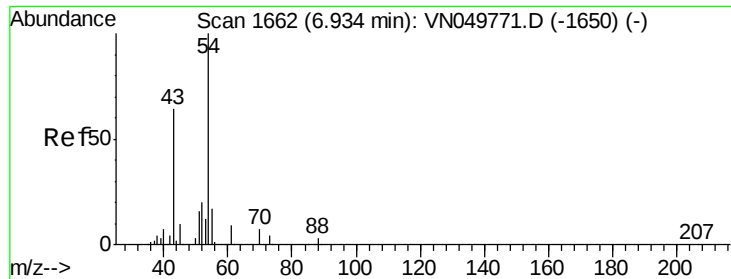
MMDadoda
7/13/2018 1:35:09 PM



#36
1,1-Dichloropropene
Concen: 50.01 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1045341		
110	36.5	18.1	54.4	
77	31.1	24.9	37.3	





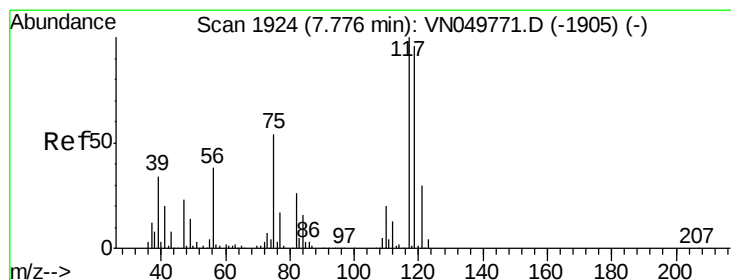
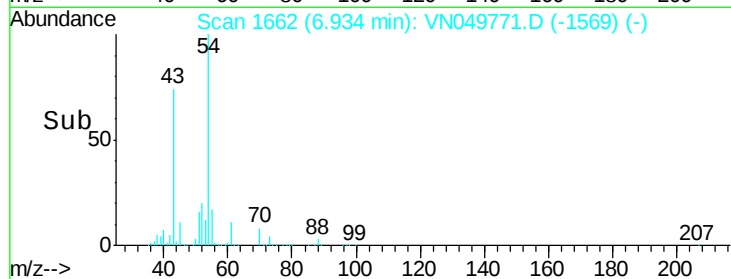
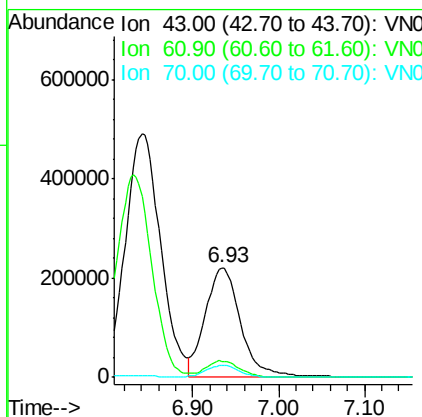
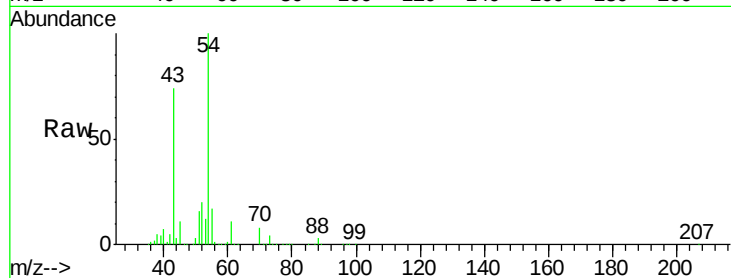
#37
Ethyl Acetate
Concen: 51.27 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	10.1	8.4	12.6

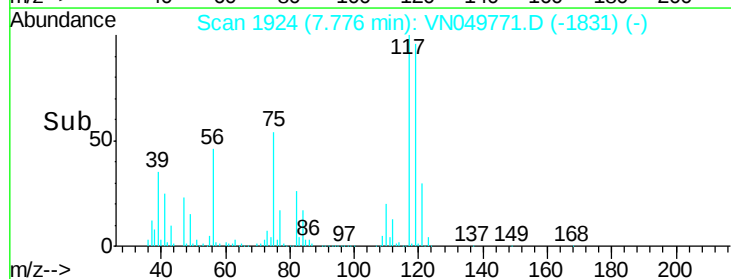
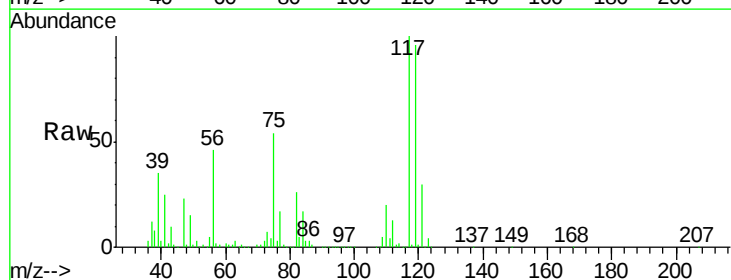
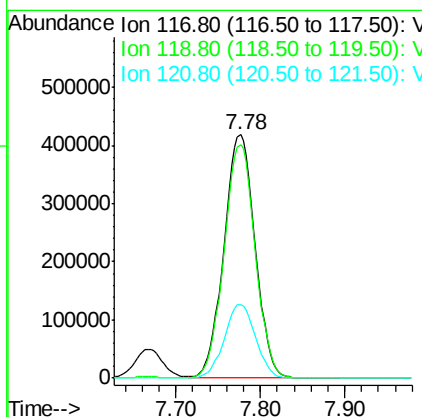
Manual Integrations
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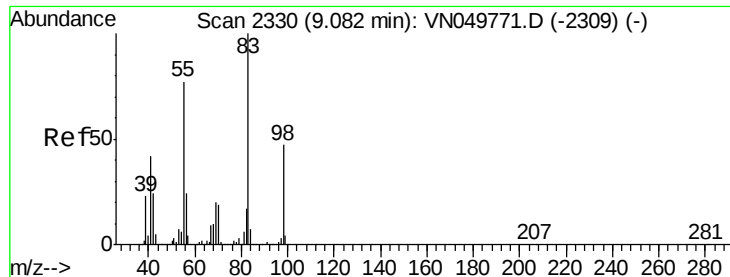
MMDadoda
7/13/2018 1:35:09 PM



#38
Carbon Tetrachloride
Concen: 52.70 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.2	115.8
121	30.1	25.0	37.6





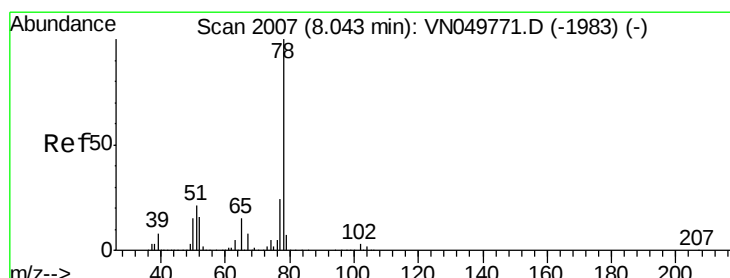
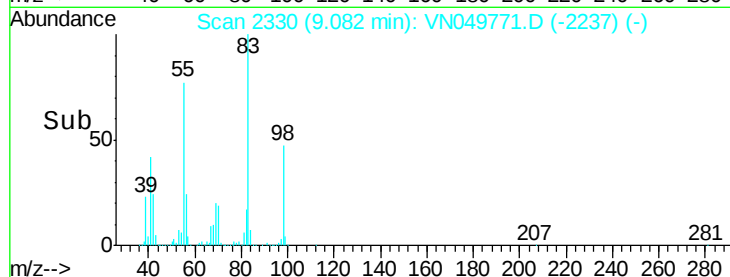
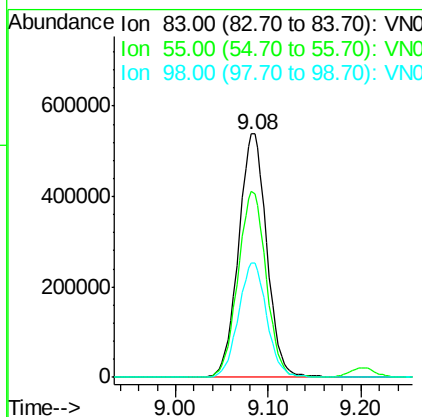
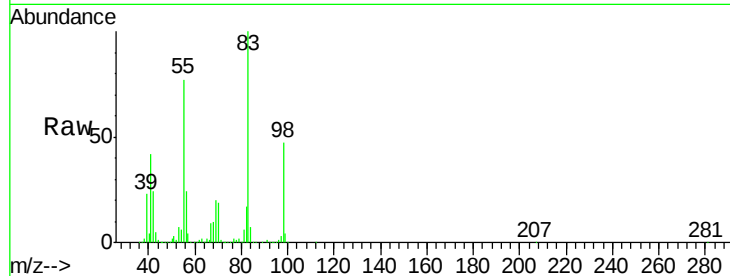
#39
Methvlcvclohexane
Concen: 49.57 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 1136059
Ion Ratio Lower Upper
83 100
55 76.6 59.7 89.5
98 47.2 36.5 54.7

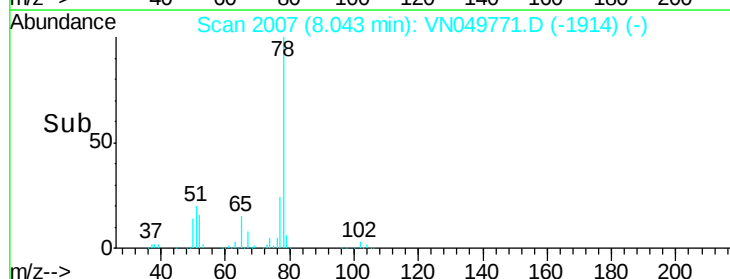
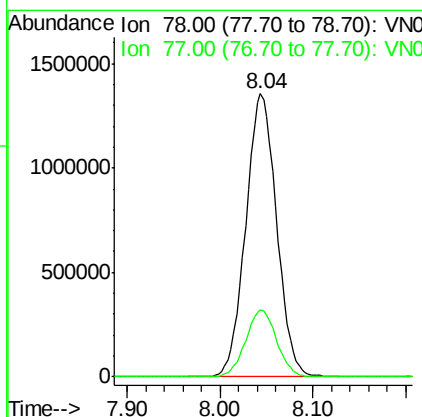
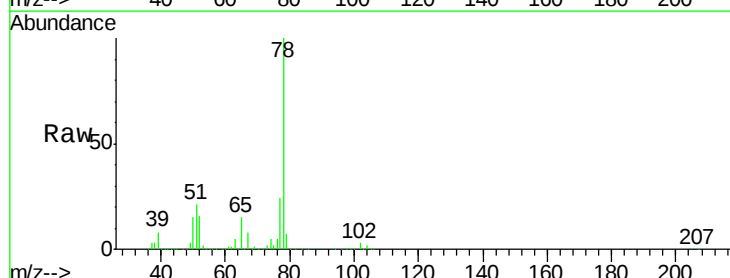
Manual Integrations
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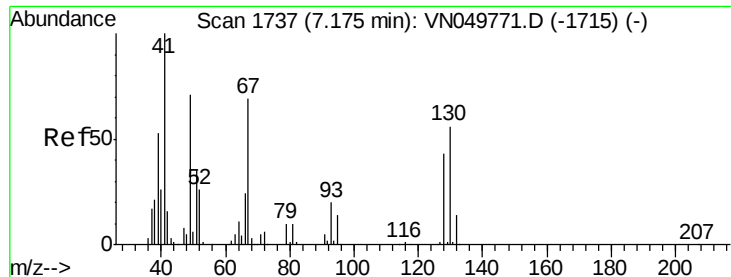
MMDadoda
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#40
Benzene
Concen: 49.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion: 78 Resp: 3127665
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





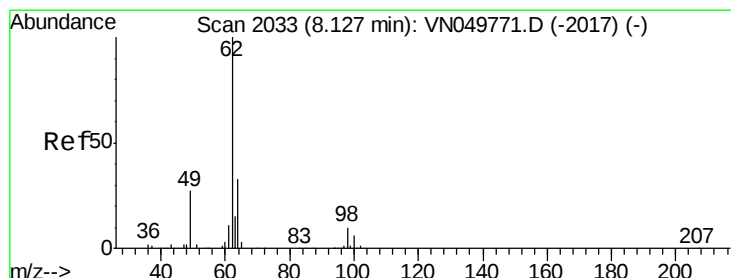
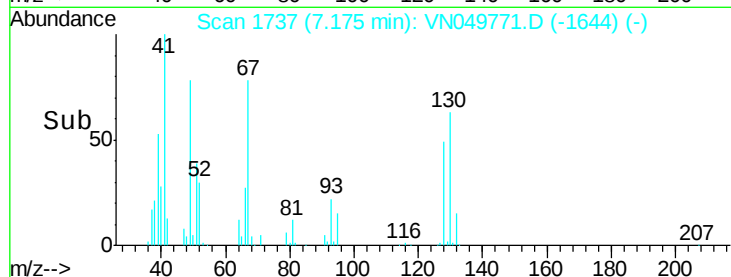
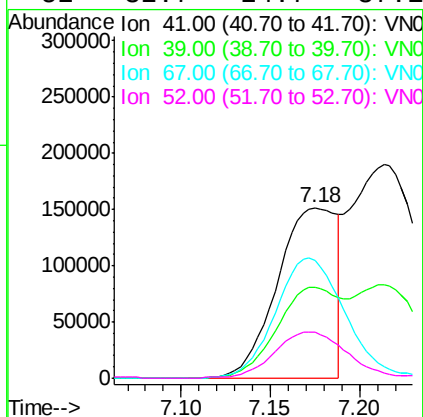
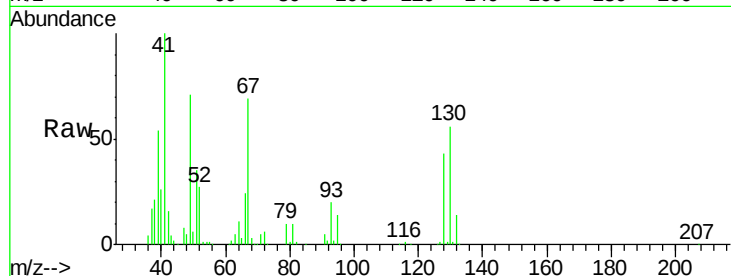
#41
Methacrylonitrile
Concen: 50.77 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		348900		
39	56.4	45.4	68.2		
67	83.6	65.4	98.0		
52	32.7	24.7	37.1		

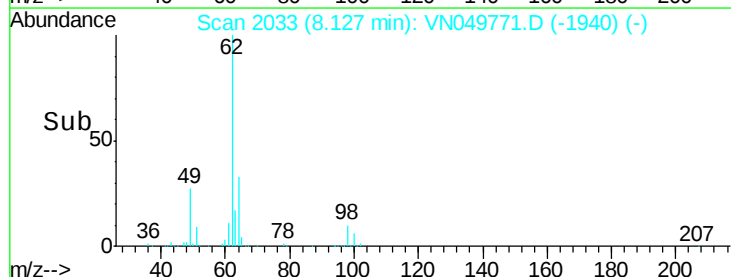
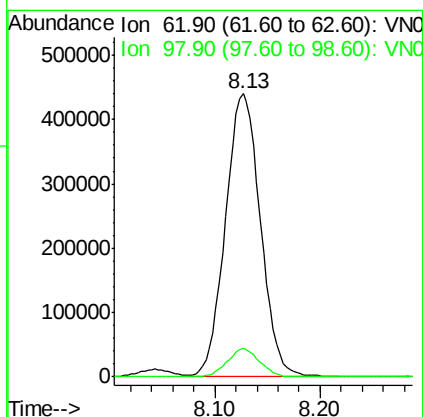
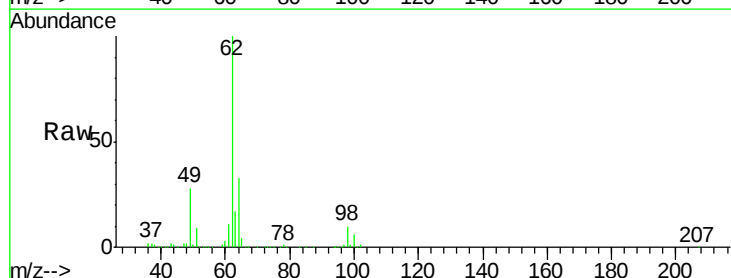
Manual Integrations
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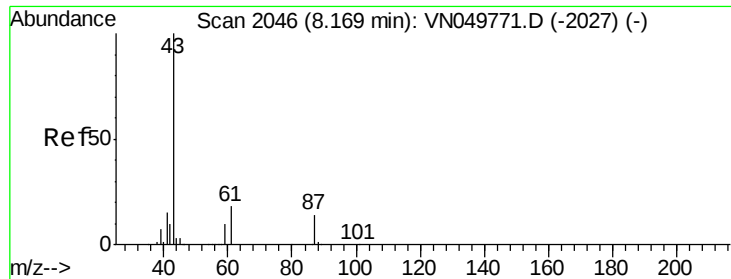
MMDadoda
7/13/2018 1:35:09 PM



#42
1,2-Dichloroethane
Concen: 49.45 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		1007225		
98	9.4	0.0	19.0		





#43

Isopropyl Acetate

Concen: 39.38 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1134467

Ion Ratio Lower Upper

43 100

61 20.4 14.9 22.3

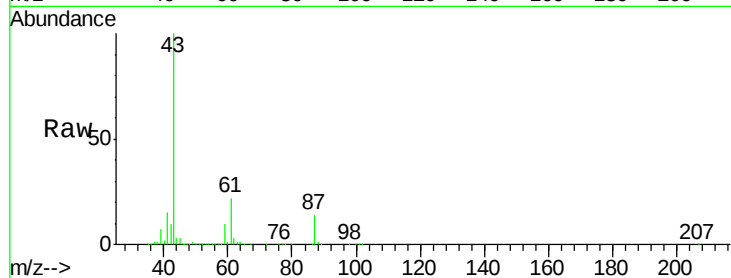
87 13.9 10.0 15.0

Manual Integrations

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MMDadoda

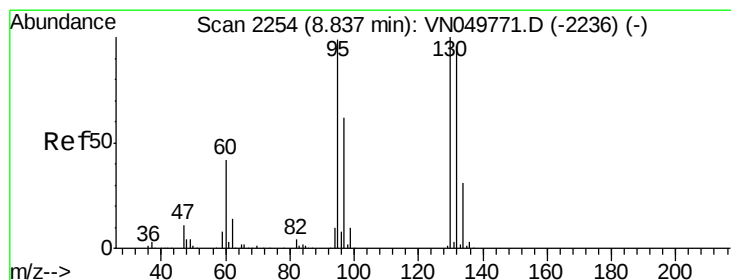
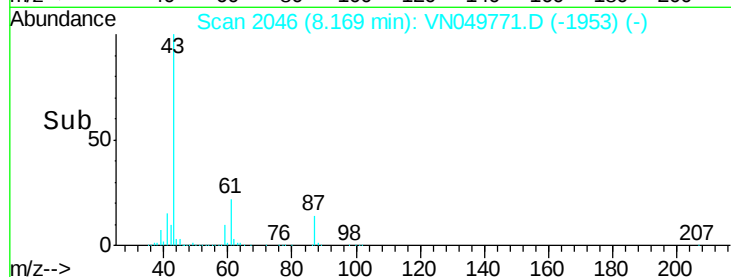
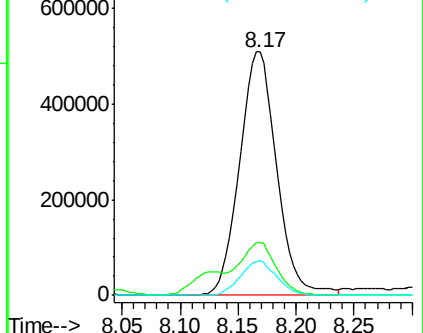
7/13/2018 1:35:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN049771.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN049771.D (-2027) (-)



#44

Trichloroethene

Concen: 42.83 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049771.D

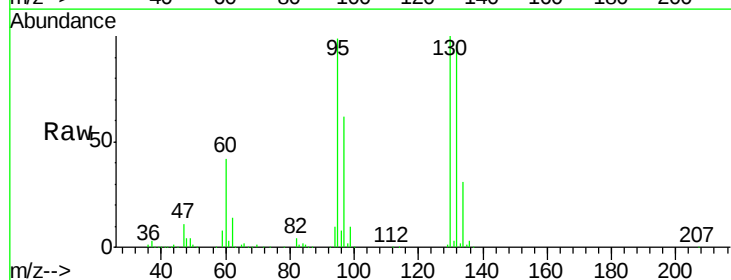
Acq: 12 Jul 2018 12:06

Tgt Ion: 130 Resp: 824420

Ion Ratio Lower Upper

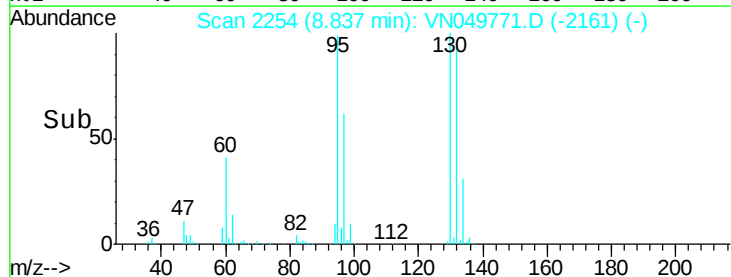
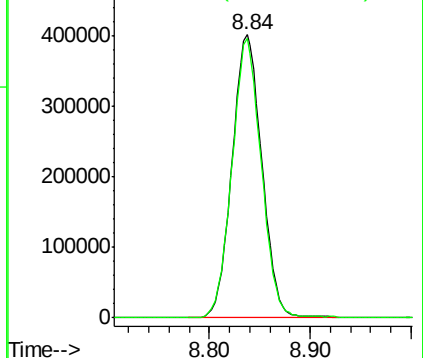
130 100

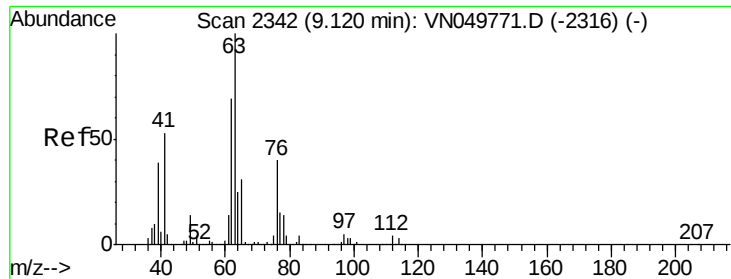
95 98.6 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049771.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049771.D (-2236) (-)





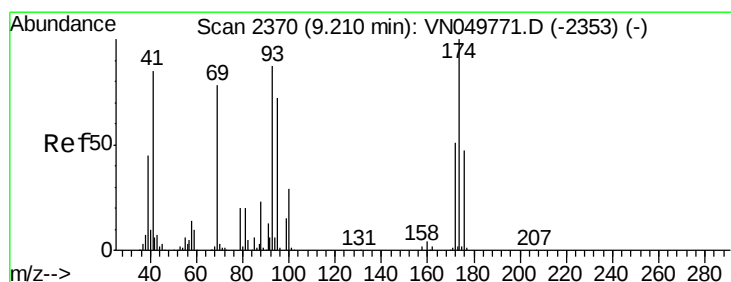
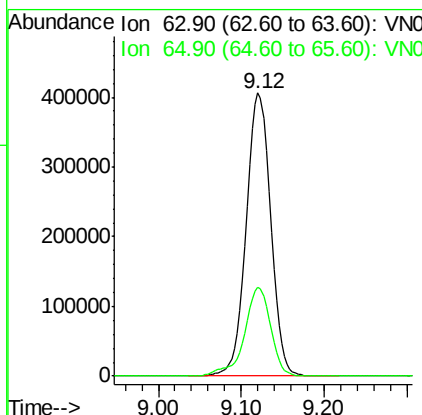
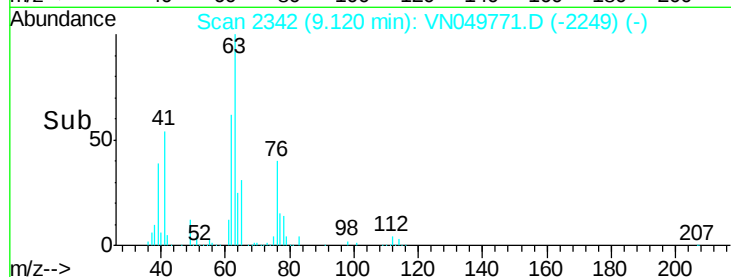
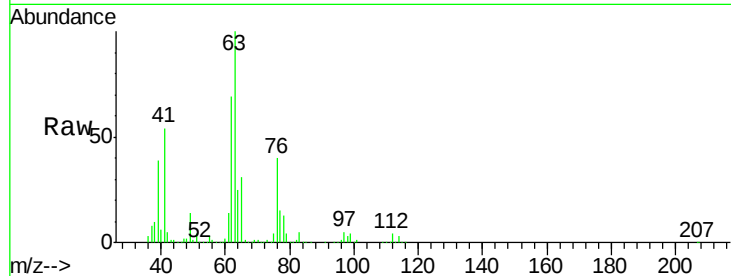
#45
 1,2-Dichloropropane
 Concen: 50.52 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 833156
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

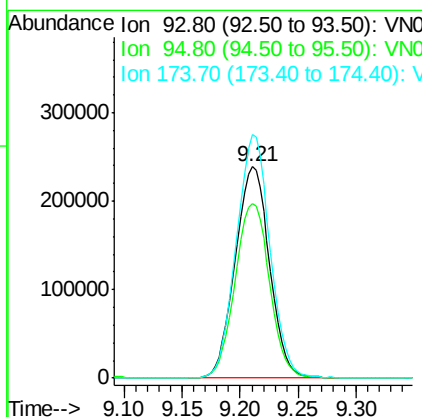
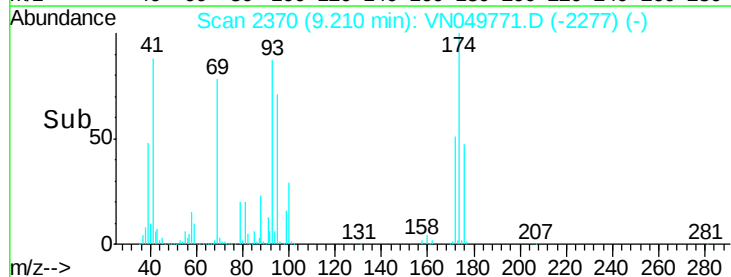
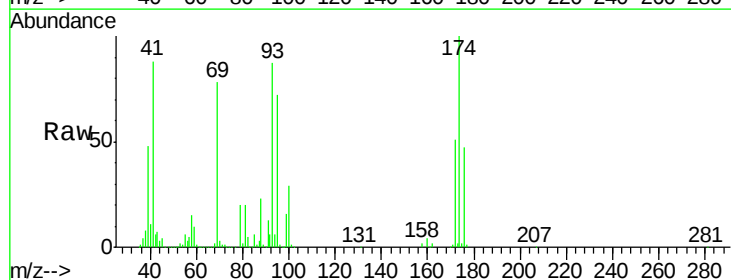
Manual Integrations
 APPROVED

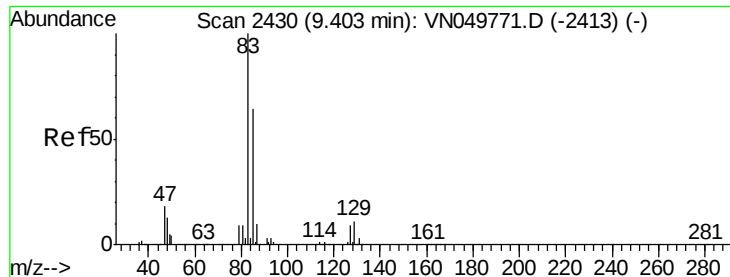
MMDadoda
 7/13/2018 1:35:09 PM



#46
 Dibromomethane
 Concen: 49.21 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion: 93 Resp: 490949
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.9 101.9
 174 113.3 89.4 134.0





#47

Bromodichloromethane

Concen: 51.24 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 1088217

Ion Ratio Lower Upper

83 100

85 64.4 50.5 75.7

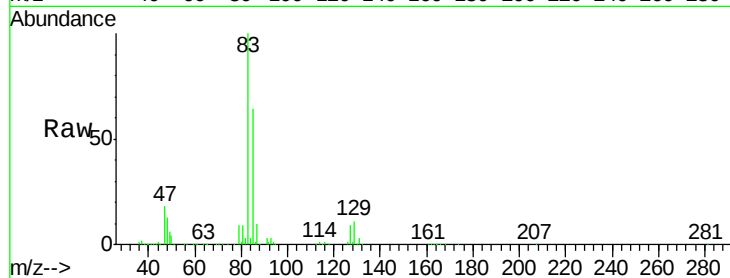
127 8.9 6.8 10.2

Manual Integrations

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MMDadoda

7/13/2018 1:35:09 PM

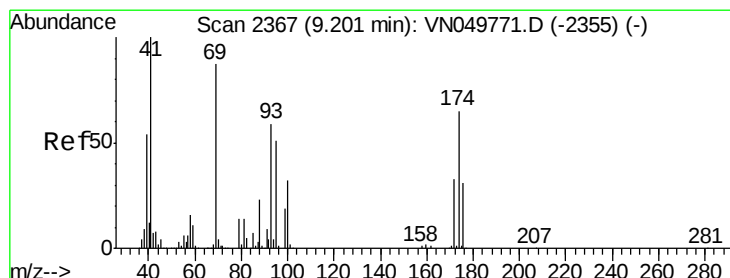
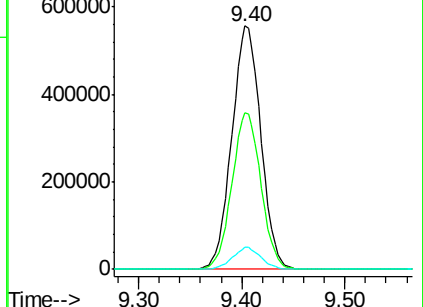
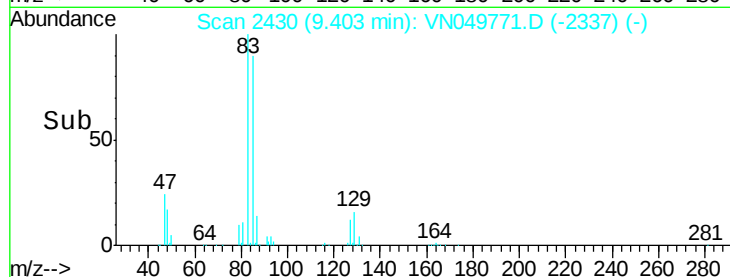


Abundance Ion 82.90 (82.60 to 83.60): VN049771.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN049771.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN049771.D (-2413) (-)

Time-->



#48

Methyl methacrylate

Concen: 51.94 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

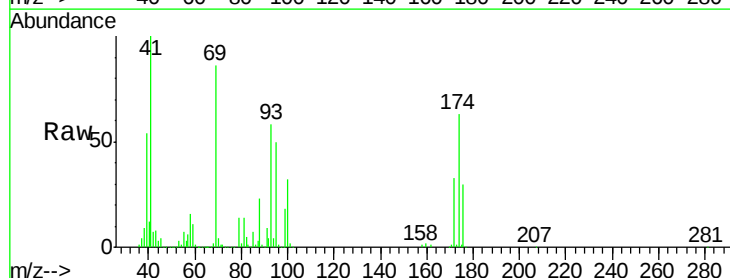
Tgt Ion: 41 Resp: 562722

Ion Ratio Lower Upper

41 100

69 90.5 71.5 107.3

39 56.5 44.7 67.1

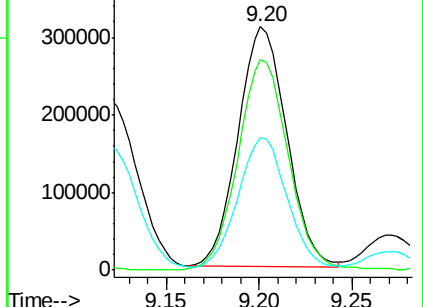
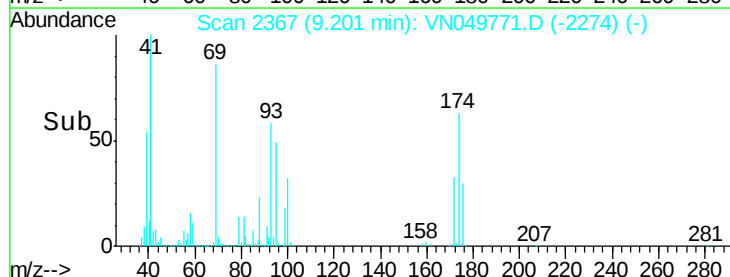


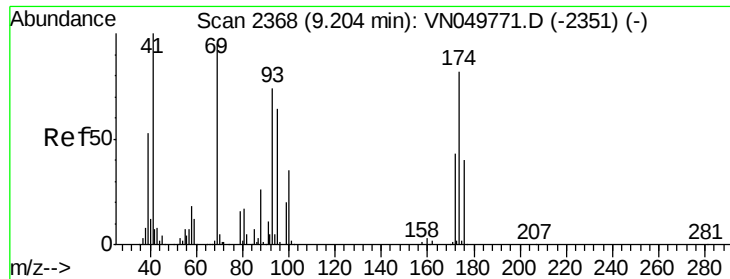
Abundance Ion 41.00 (40.70 to 41.70): VN049771.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN049771.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN049771.D (-2355) (-)

Time-->





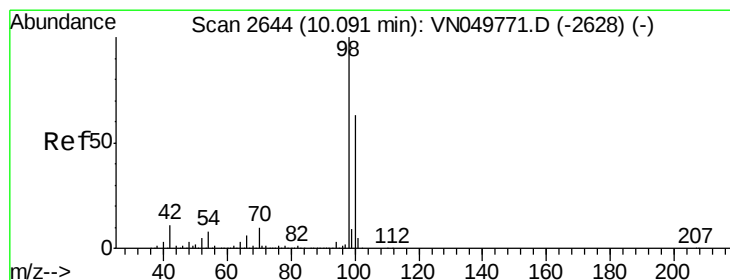
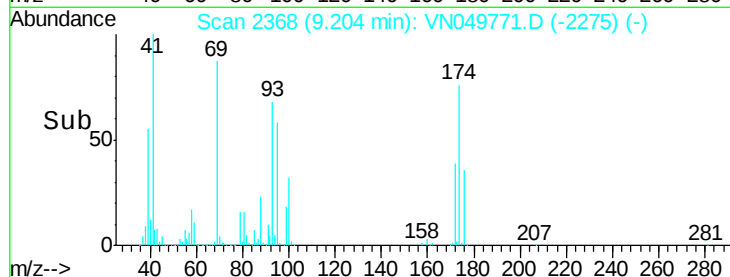
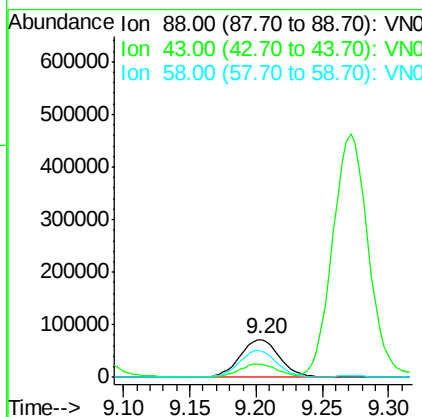
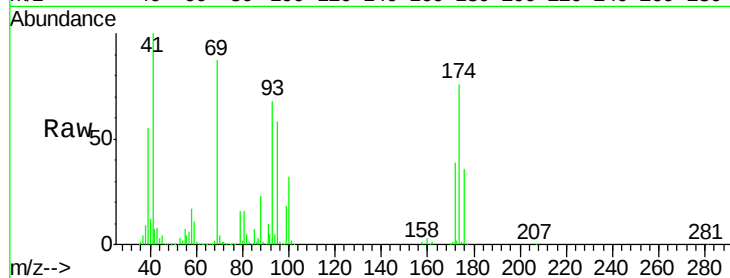
#49
1,4-Dioxane
Concen: 1029.44 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	149946
Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.1	37.7
58	67.9	52.5	78.7

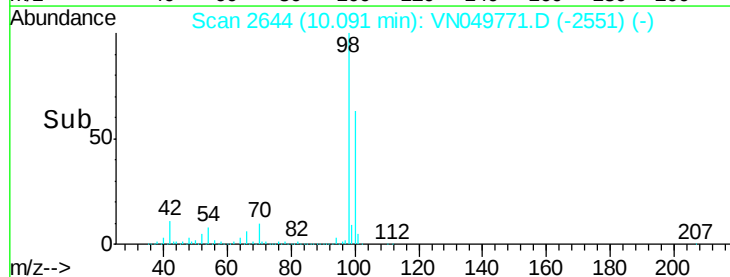
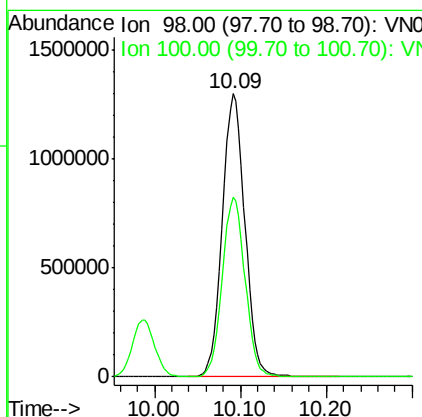
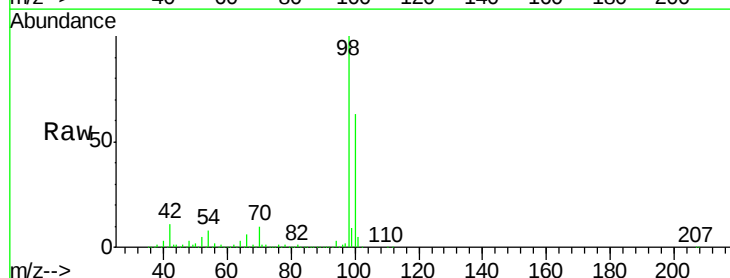
Manual Integrations
APPROVED

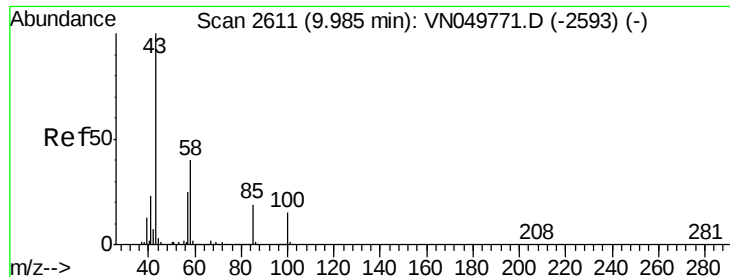
MMDadoda
7/13/2018 1:35:09 PM



#50
Toluene-d8
Concen: 43.67 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	98	Resp	2374428
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





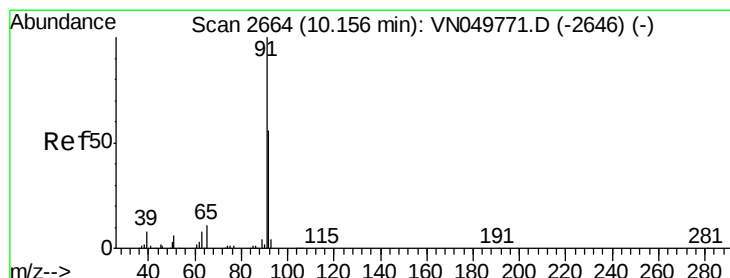
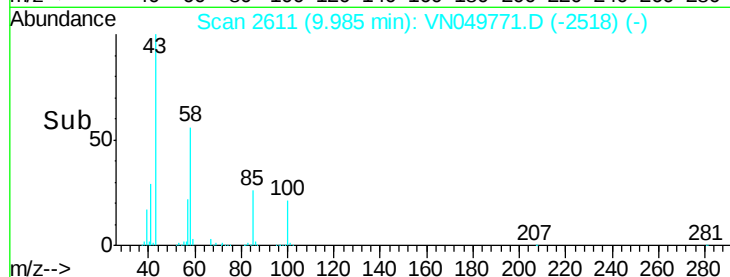
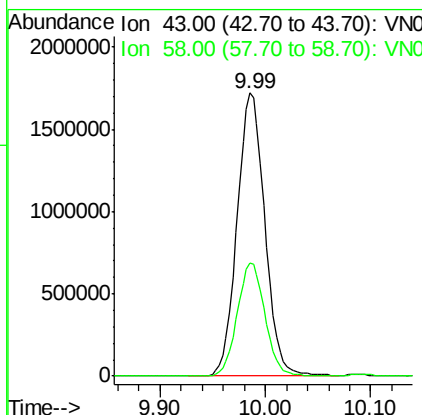
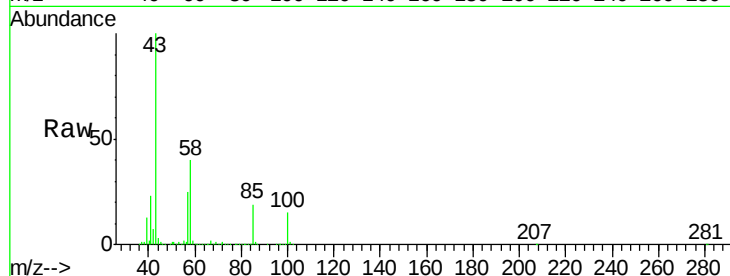
#51
4-Methyl-2-Pentanone
Concen: 261.99 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 3131794
Ion Ratio Lower Upper
43 100
58 40.0 31.8 47.8

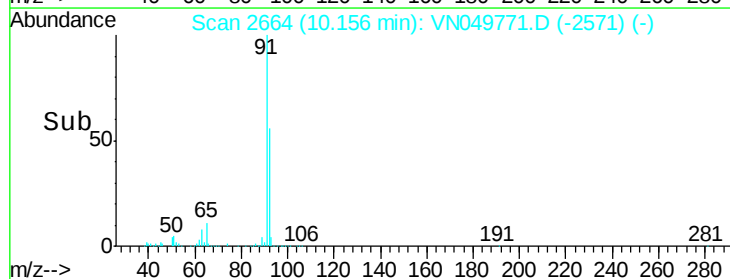
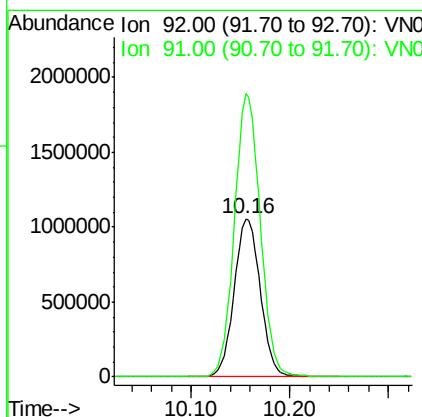
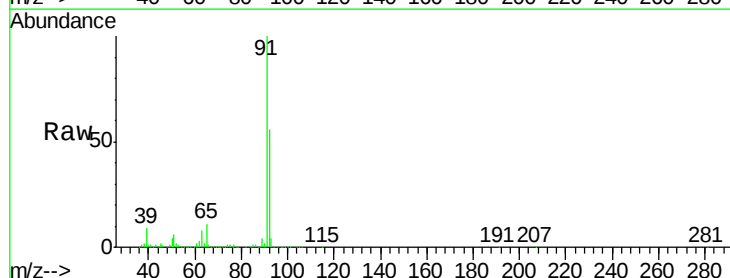
Manual Integrations
APPROVED

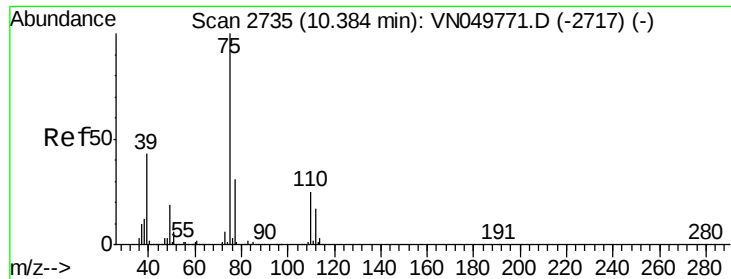
MMDadoda
7/13/2018 1:35:09 PM



#52
Toluene
Concen: 50.53 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion: 92 Resp: 1948366
Ion Ratio Lower Upper
92 100
91 176.8 140.1 210.1





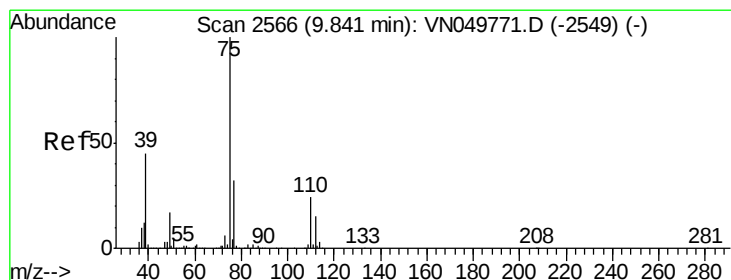
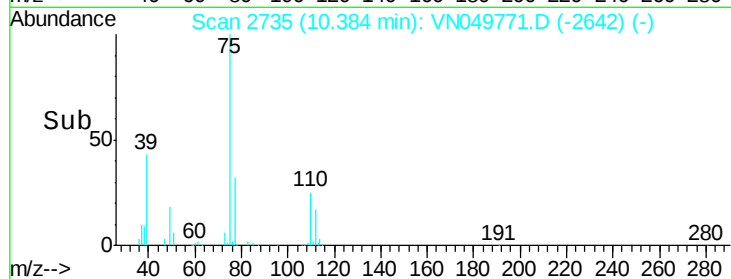
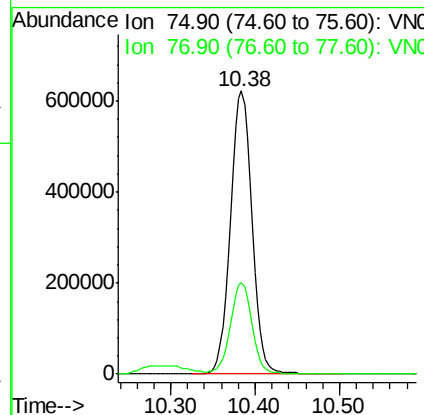
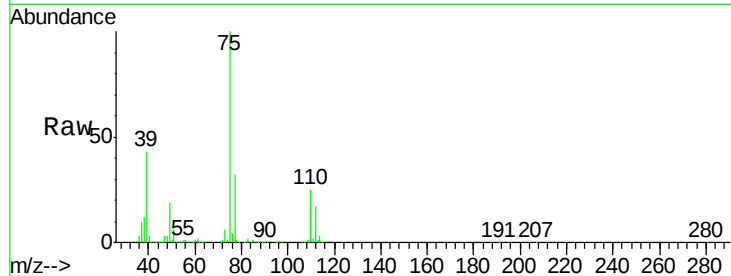
#53
t-1,3-Dichloropropene
Concen: 54.33 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 1104863
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8

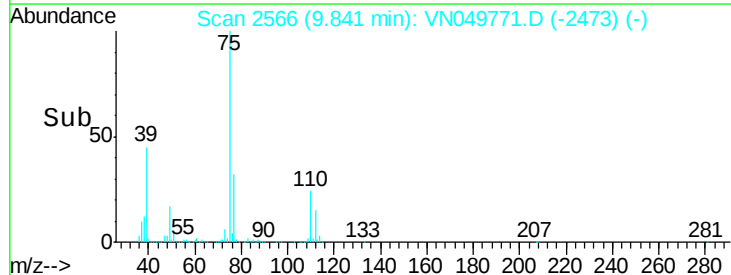
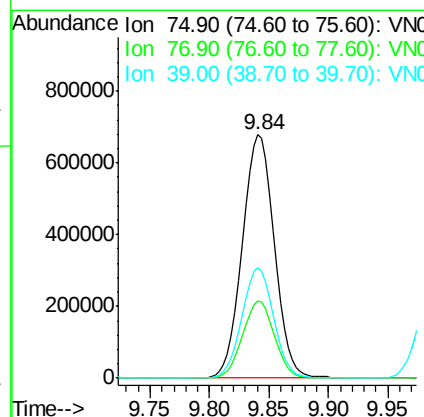
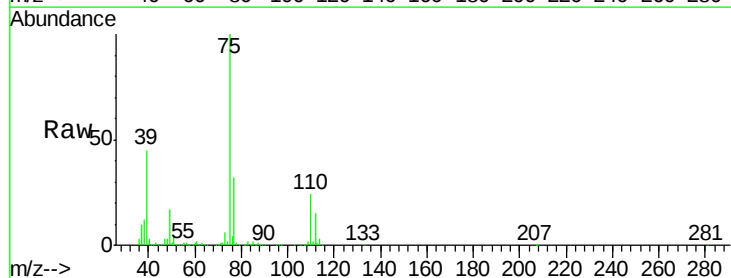
Manual Integrations
APPROVED

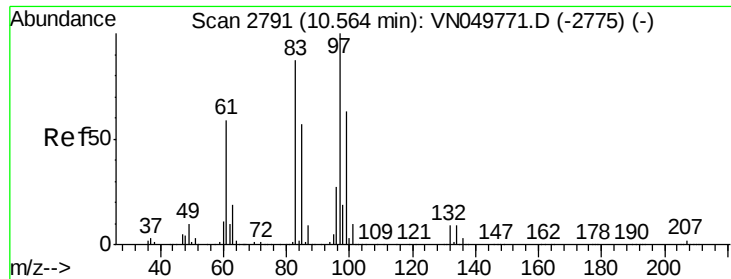
MMDadoda
7/13/2018 1:35:09 PM



#54
cis-1,3-Dichloropropene
Concen: 53.20 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion: 75 Resp: 1264422
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 45.4 35.5 53.3





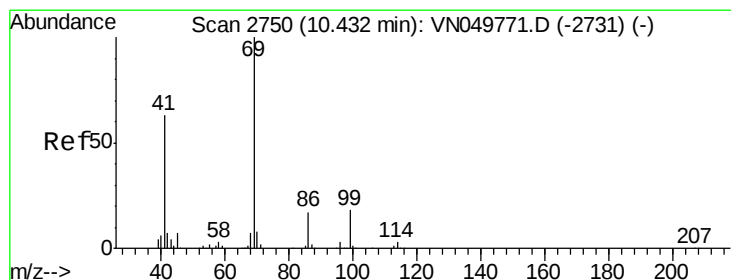
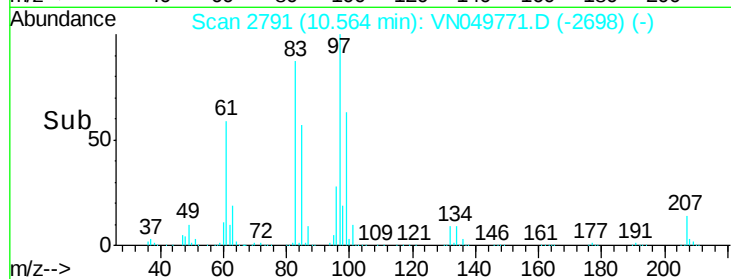
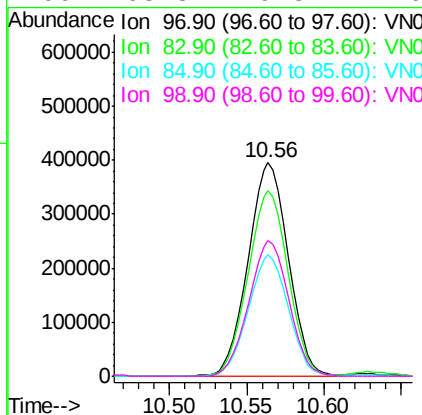
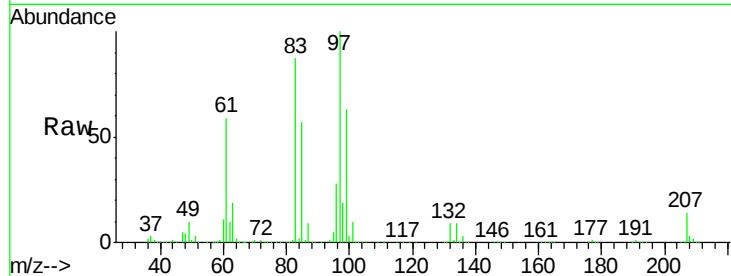
#55
 1,1,2-Trichloroethane
 Concen: 49.90 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		716460		
83	86.8	69.0	103.6		
85	56.7	44.9	67.3		
99	63.3	49.8	74.6		

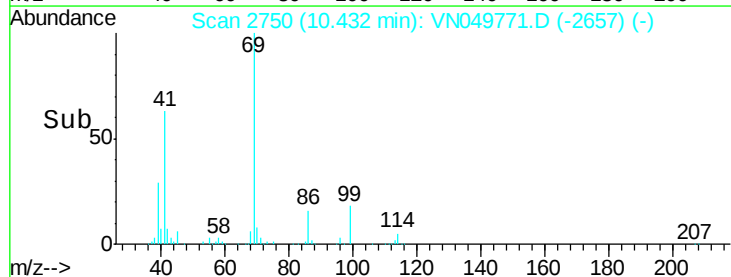
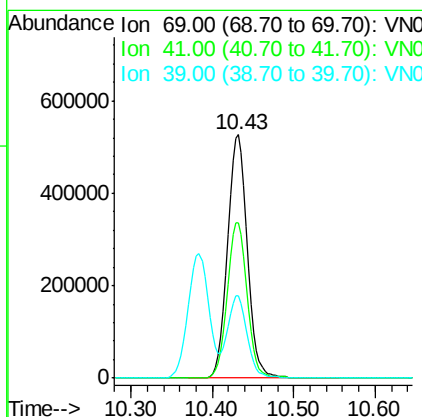
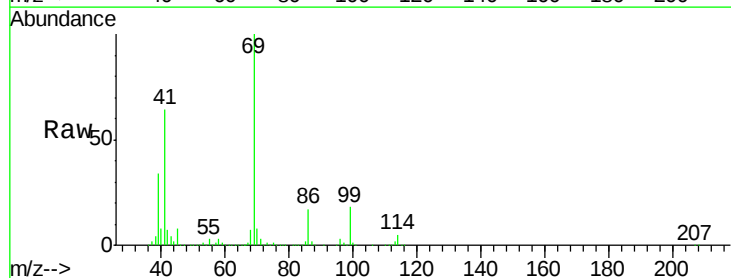
Manual Integrations
 APPROVED

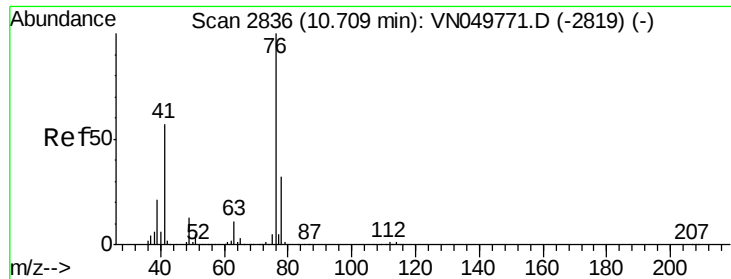
MMDadoda
 7/13/2018 1:35:09 PM



#56
 Ethyl methacrylate
 Concen: 53.72 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		904052		
41	63.6	51.6	77.4		
39	32.8	25.8	38.8		





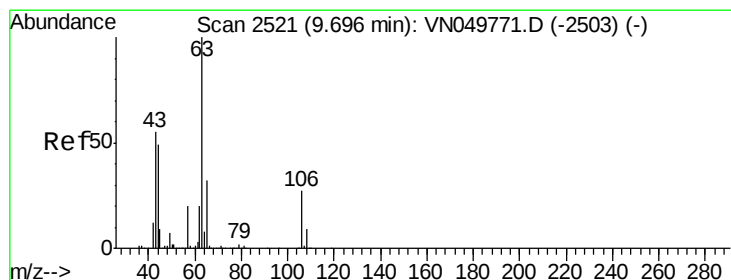
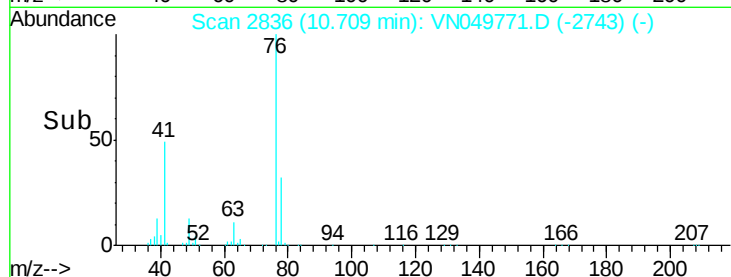
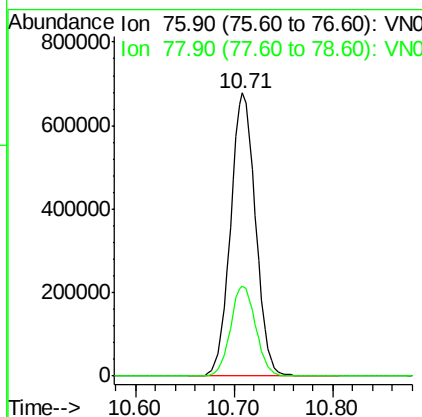
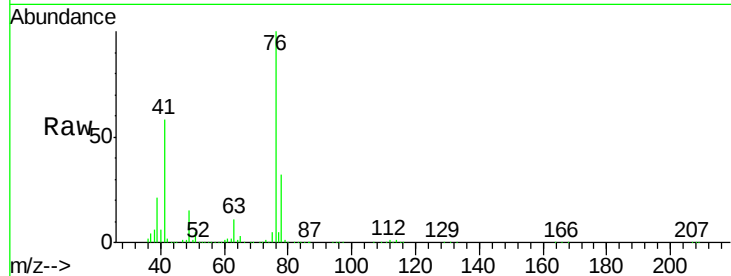
#57
 1,3-Dichloropropane
 Concen: 51.46 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 1198009
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

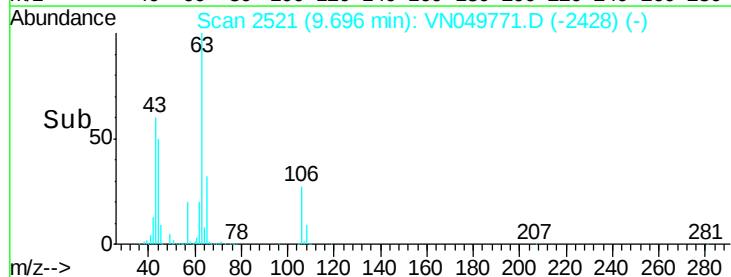
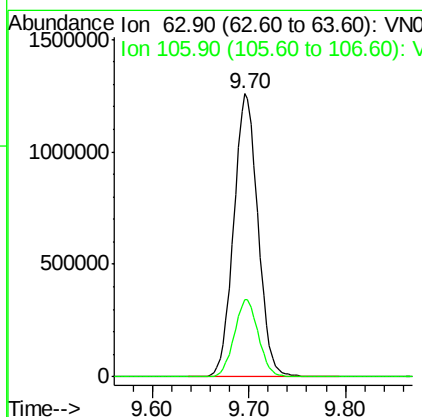
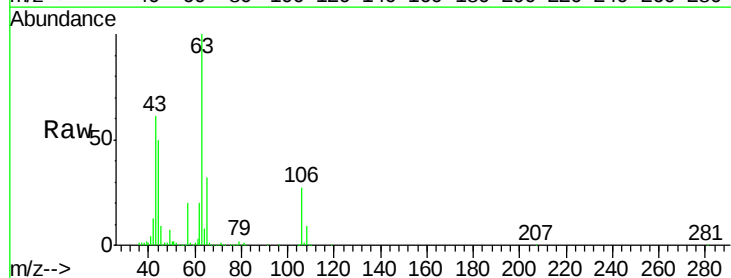
Manual Integrations
 APPROVED

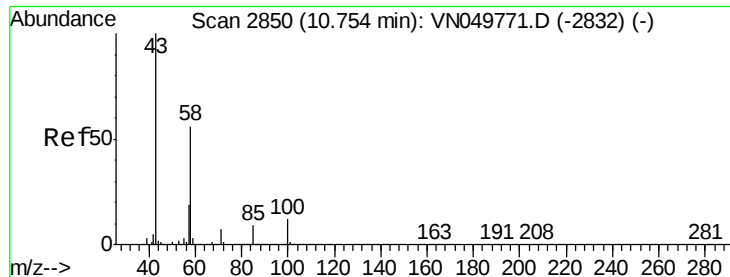
MMDadoda
 7/13/2018 1:35:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.07 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion: 63 Resp: 2194285
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8





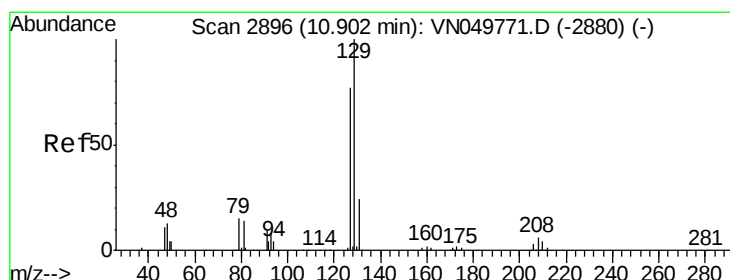
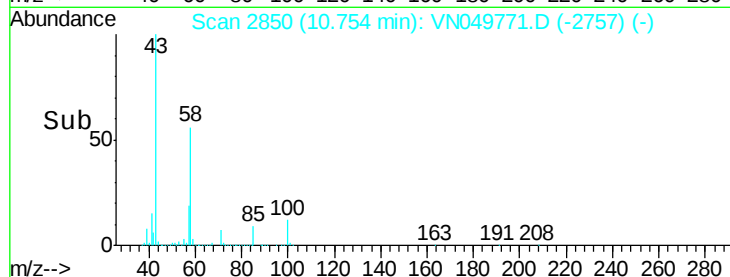
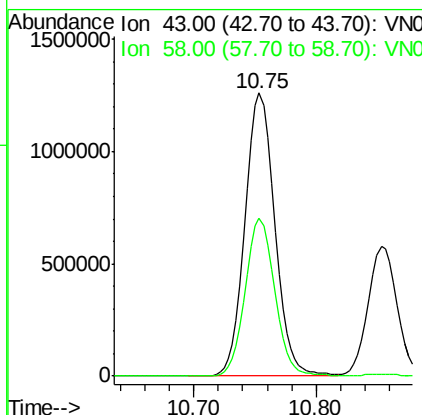
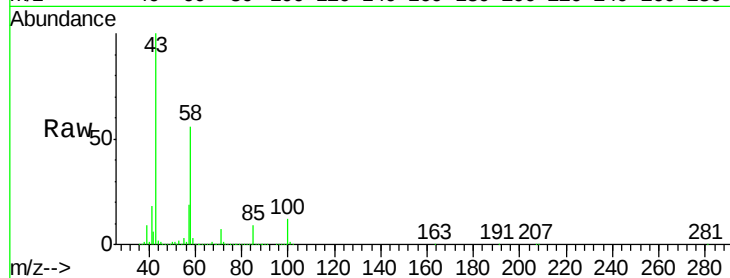
#59
2-Hexanone
Concen: 267.97 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 2118201
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

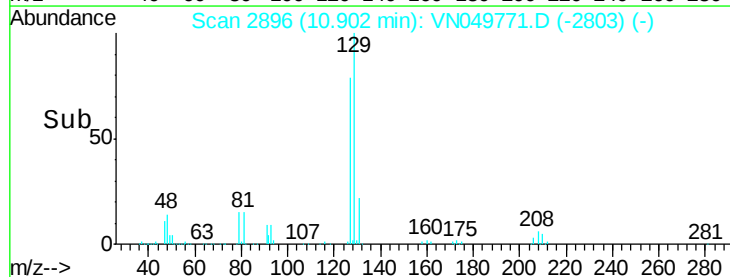
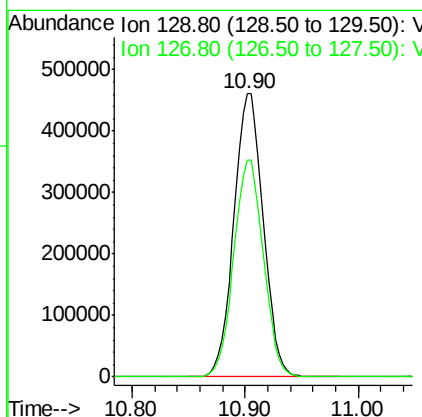
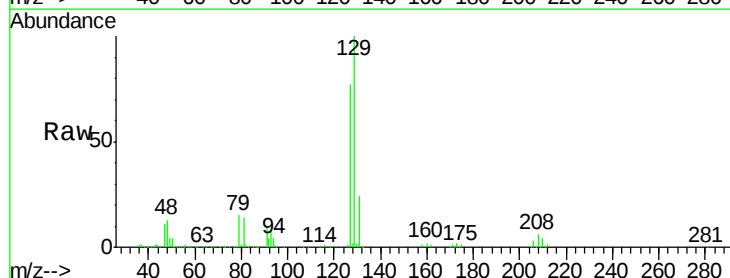
Manual Integrations
APPROVED

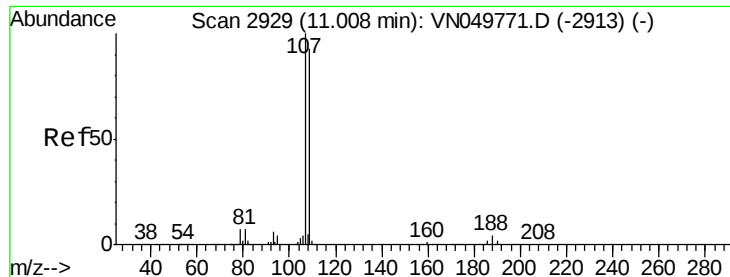
MMDadoda
7/13/2018 1:35:09 PM



#60
Dibromochloromethane
Concen: 53.72 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion: 129 Resp: 833601
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





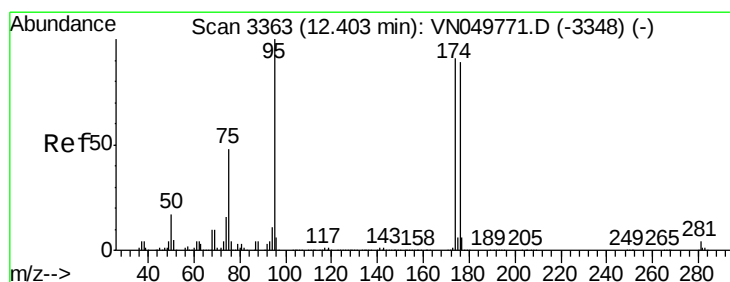
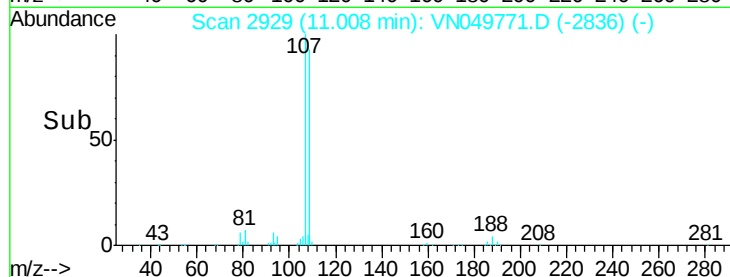
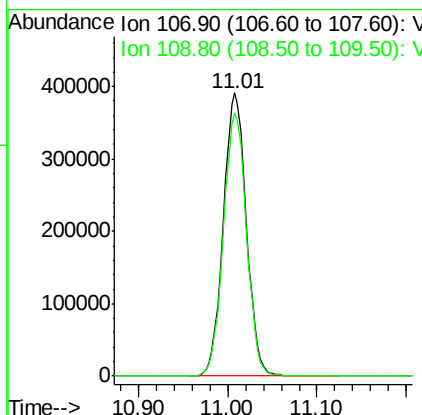
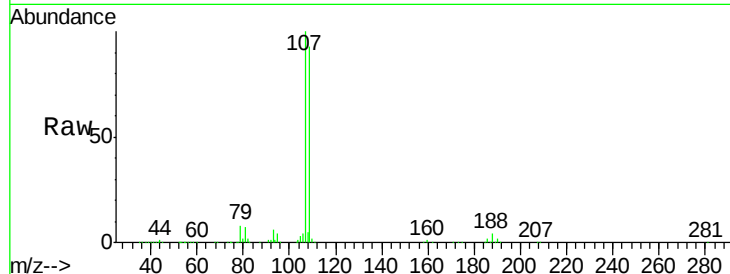
#61
 1,2-Dibromoethane
 Concen: 50.62 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

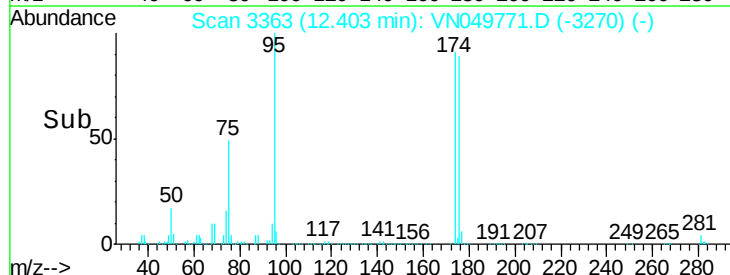
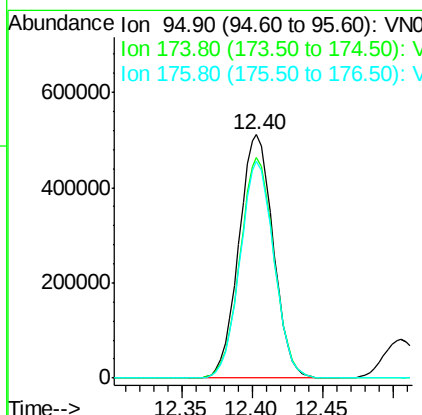
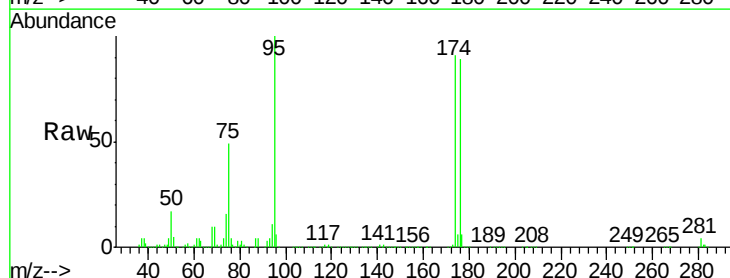
Manual Integrations
 APPROVED

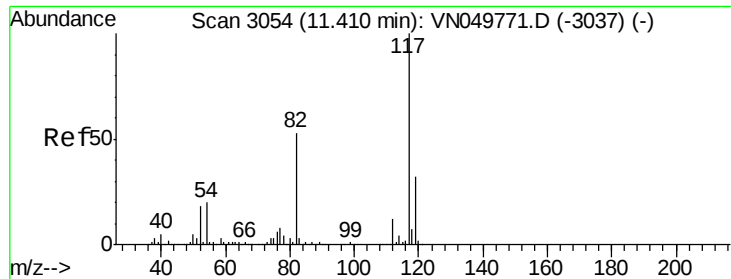
MMDadoda
 7/13/2018 1:35:09 PM



#62
 4-Bromofluorobenzene
 Concen: 47.03 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	179.6
176	87.9	0.0	174.0





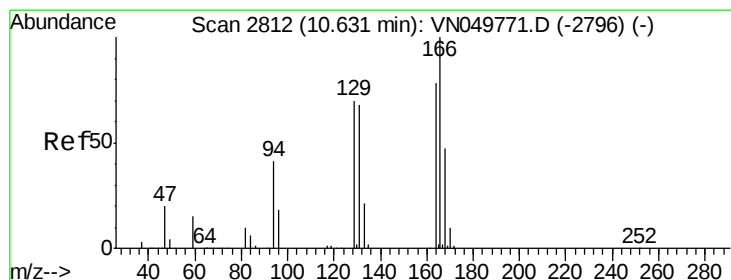
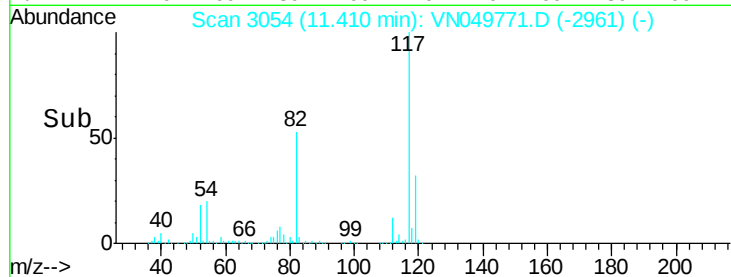
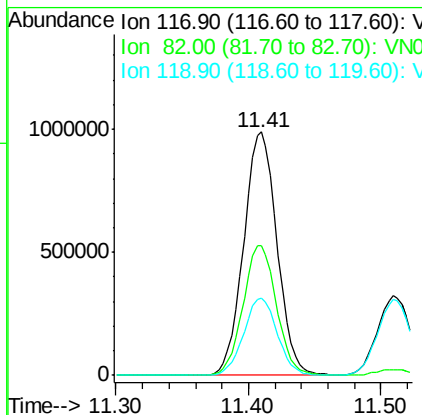
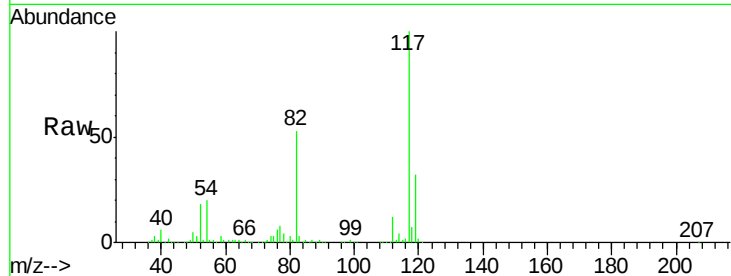
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1722938
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 31.9 25.4 38.2

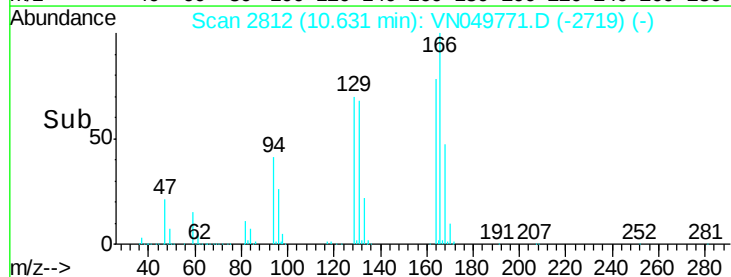
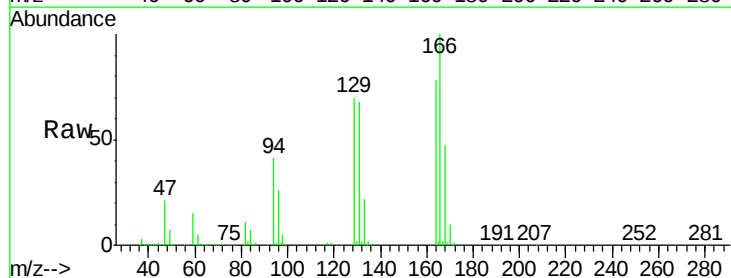
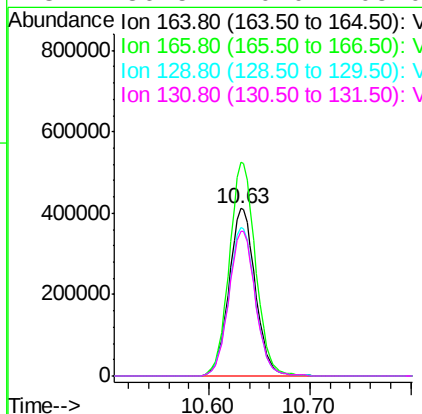
Manual Integrations
APPROVED

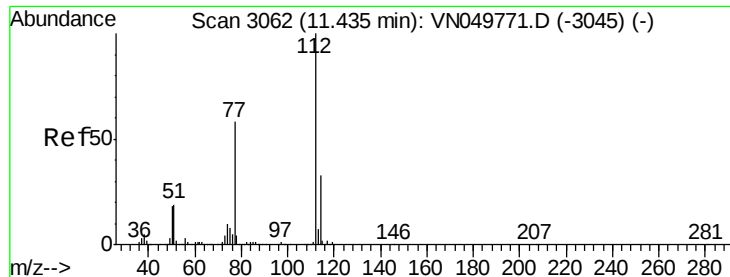
MMDadoda
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#64
Tetrachloroethene
Concen: 31.99 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion:164 Resp: 746259
Ion Ratio Lower Upper
164 100
166 127.8 101.8 152.6
129 89.1 72.8 109.2
131 86.5 70.0 105.0





#65

Chlorobenzene

Concen: 48.11 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 2162404

Ion Ratio Lower Upper

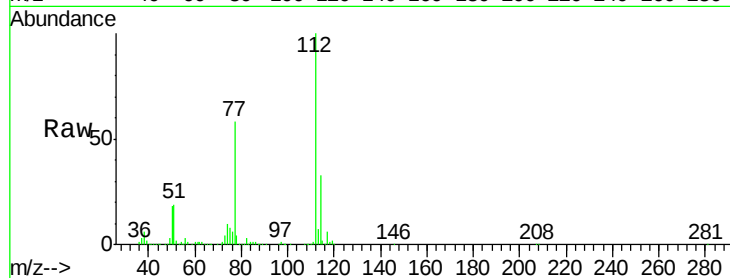
112 100

114 32.6 25.4 38.0

Manual Integrations
APPROVED

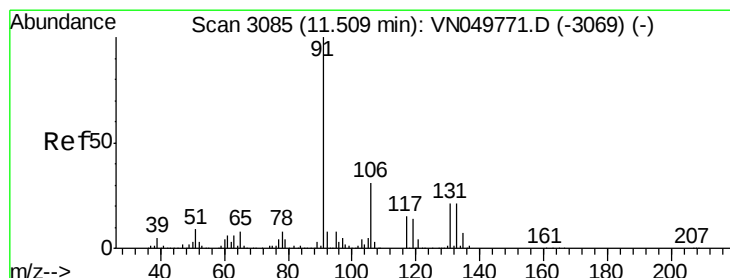
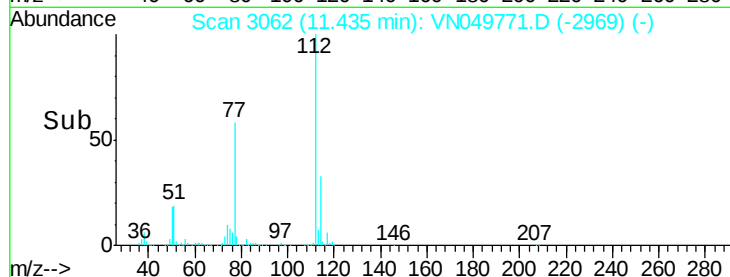
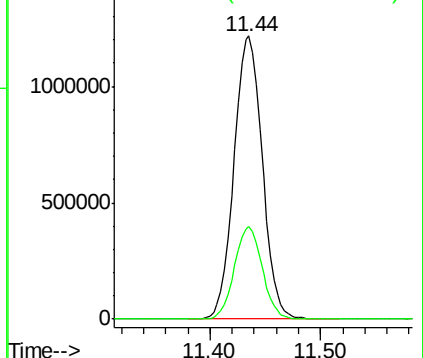
MMDadoda

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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: 50.48 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

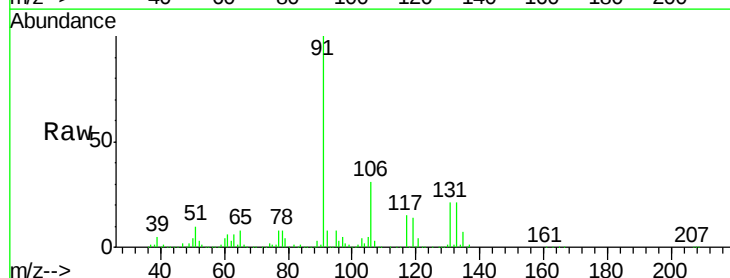
Tgt Ion:131 Resp: 815253

Ion Ratio Lower Upper

131 100

133 96.6 47.5 142.6

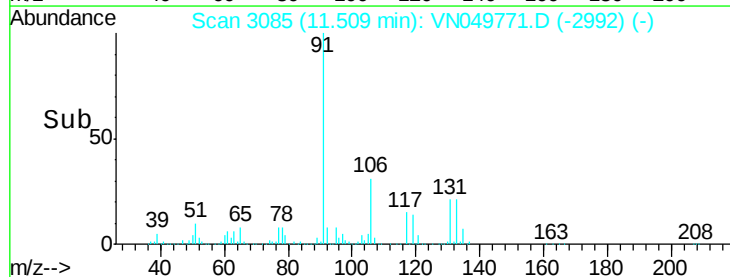
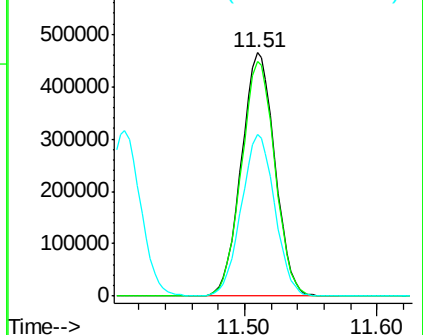
119 66.3 33.1 99.3

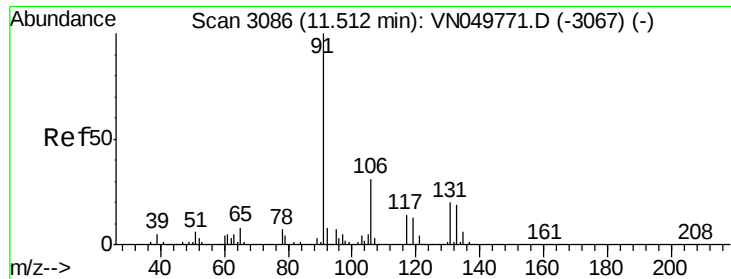


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.39 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 3743558

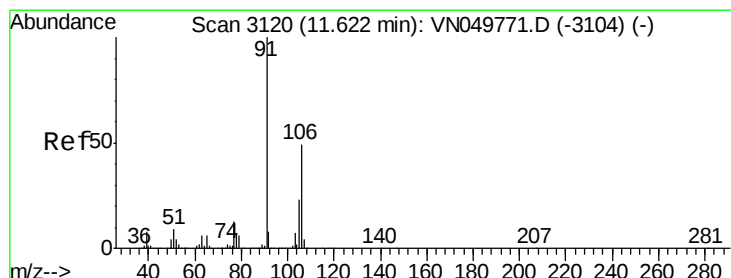
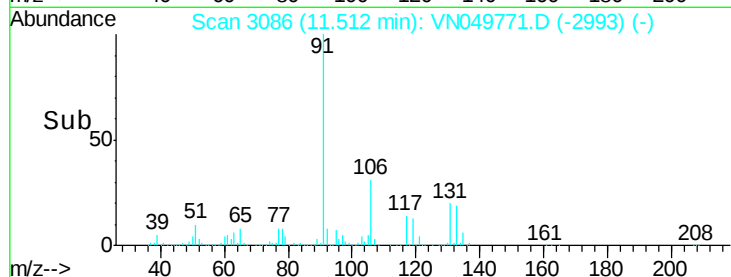
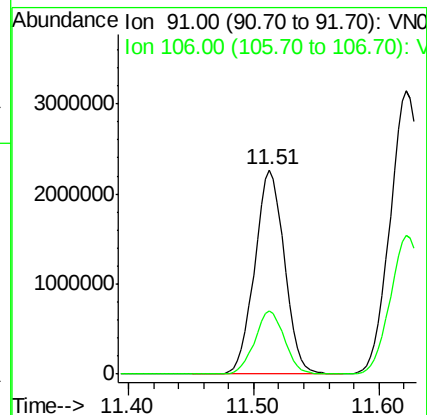
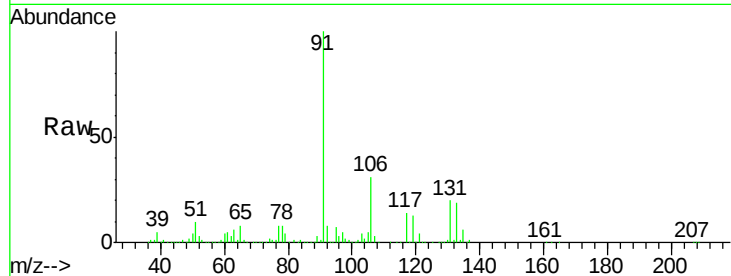
Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 101.61 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049771.D

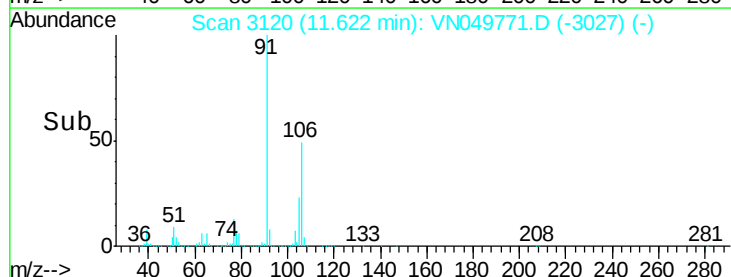
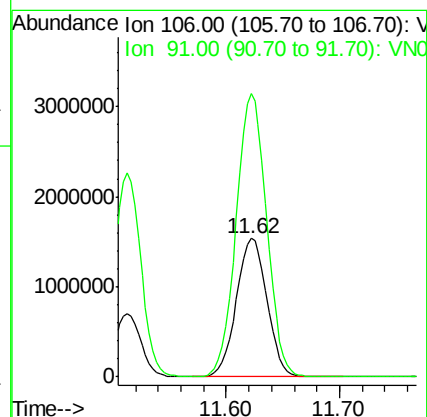
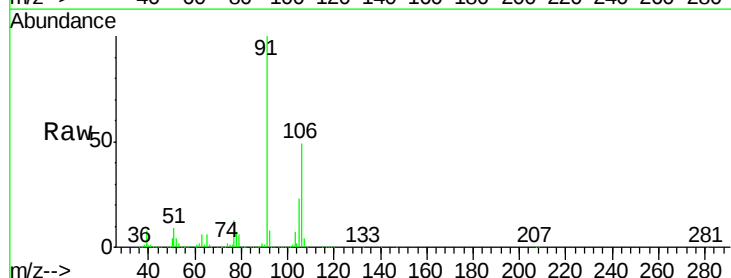
Acq: 12 Jul 2018 12:06

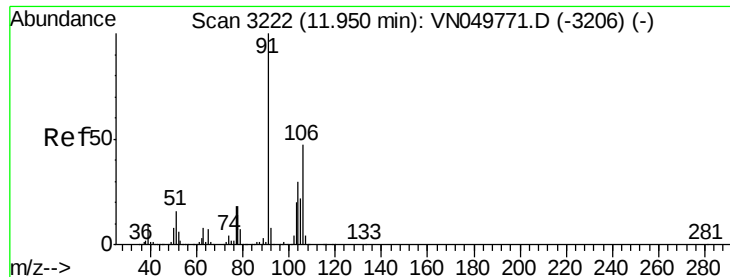
Tgt Ion: 106 Resp: 2893274

Ion Ratio Lower Upper

106 100

91 203.0 163.4 245.2





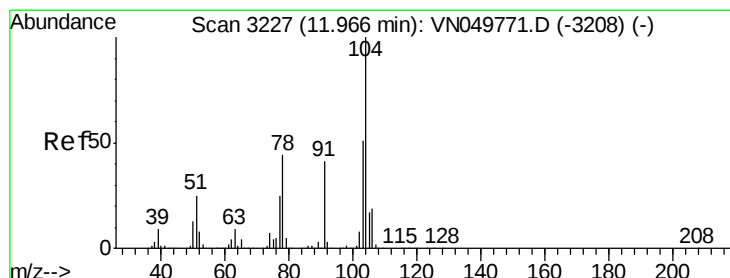
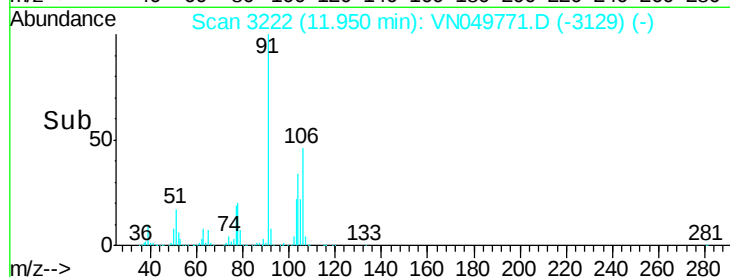
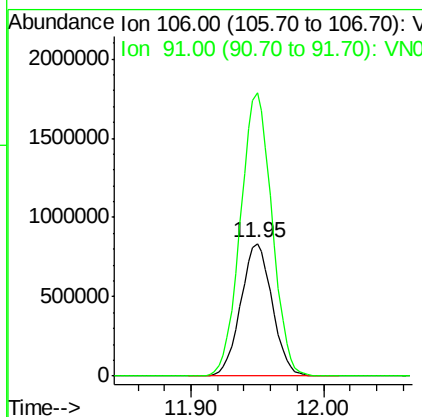
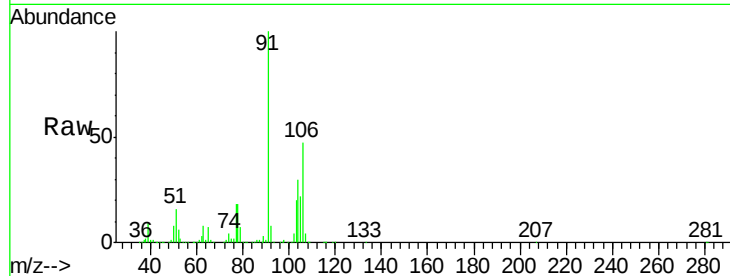
#69
o-Xylene
Concen: 50.51 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1377036
Ion Ratio Lower Upper
106 100
91 214.2 108.7 326.1

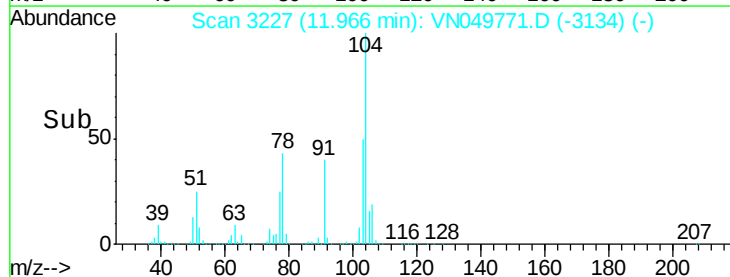
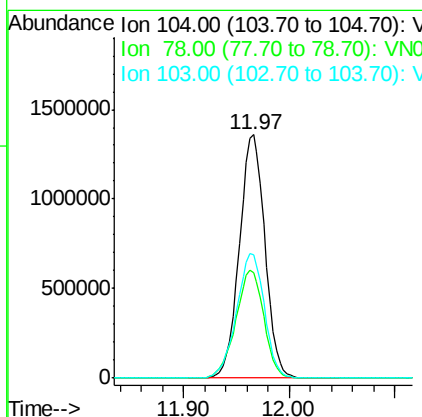
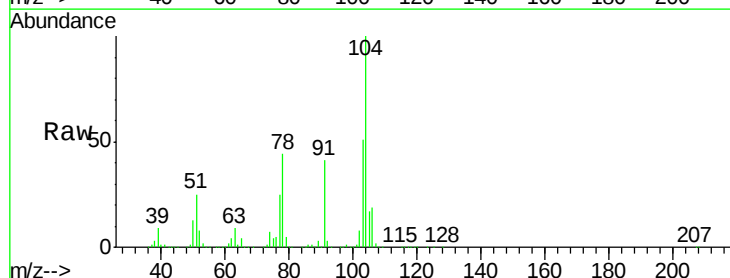
Manual Integrations
APPROVED

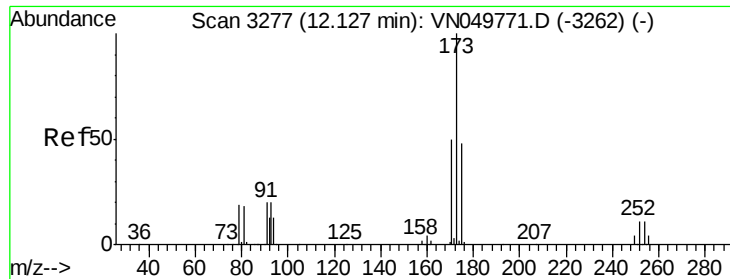
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#70
Styrene
Concen: 51.77 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion:104 Resp: 2283453
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 55.9 44.6 67.0





#71

Bromoform

Concen: 52.94 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 568079

Ion Ratio Lower Upper

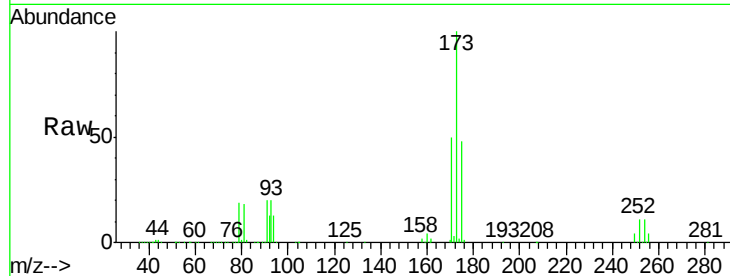
173 100

175 48.9 24.6 73.8

254 0.2 0.2 0.2

Manual Integrations
APPROVED

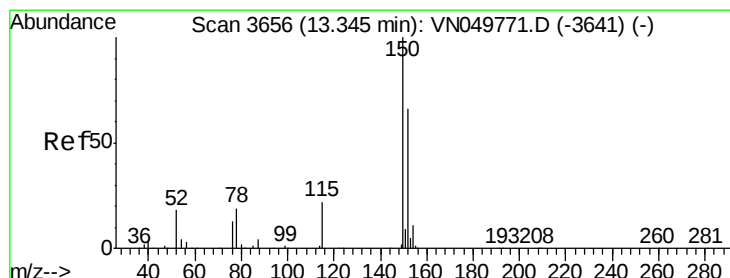
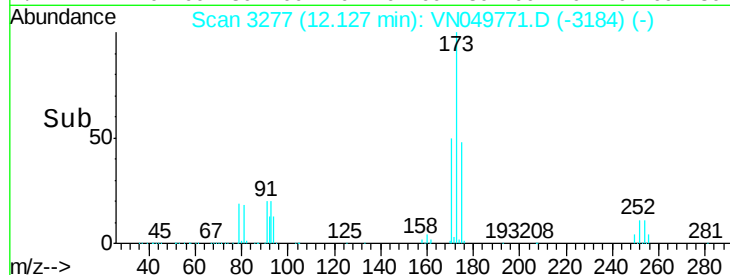
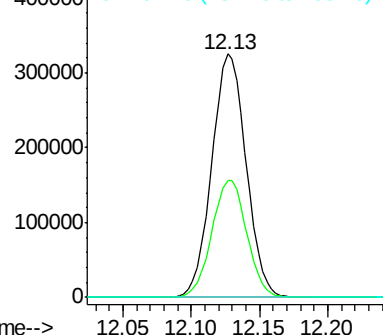
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

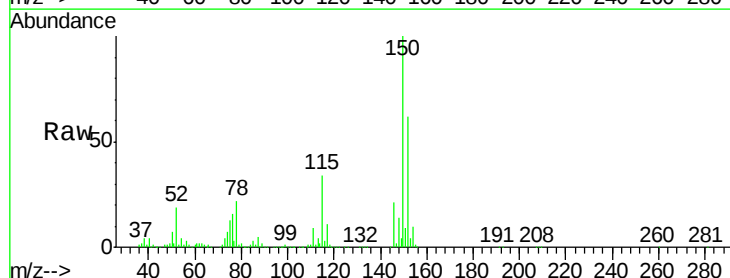
Tgt Ion:152 Resp: 920283

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

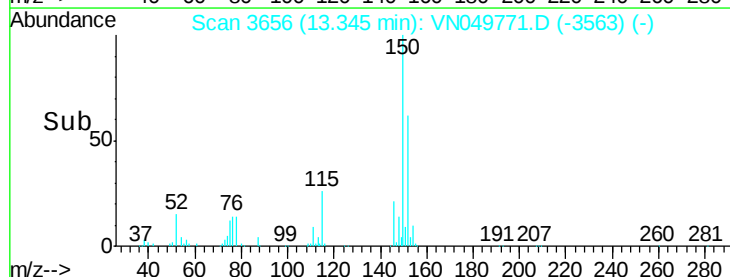
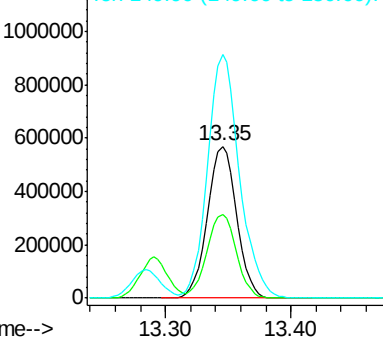
150 175.0 0.0 347.6

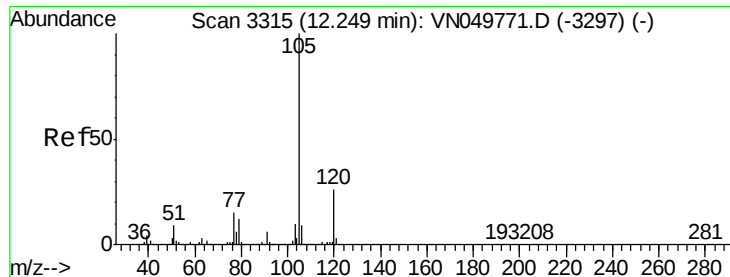


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.14 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 3748449

Ion Ratio Lower Upper

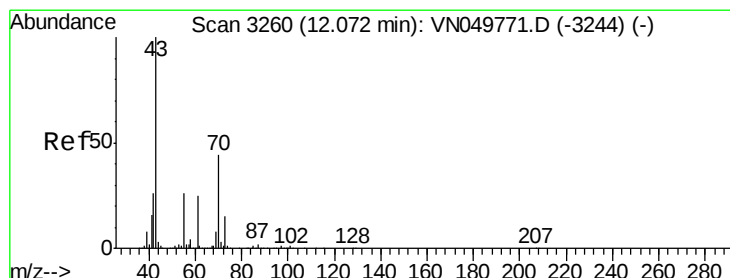
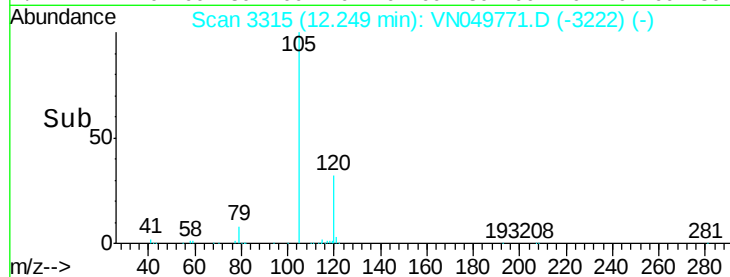
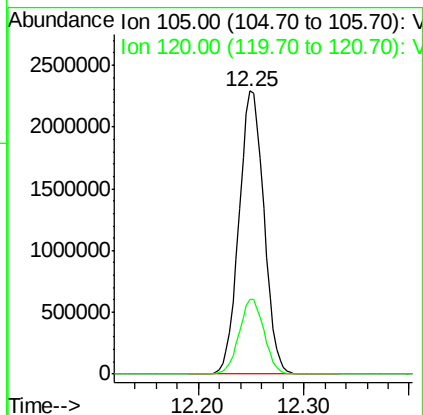
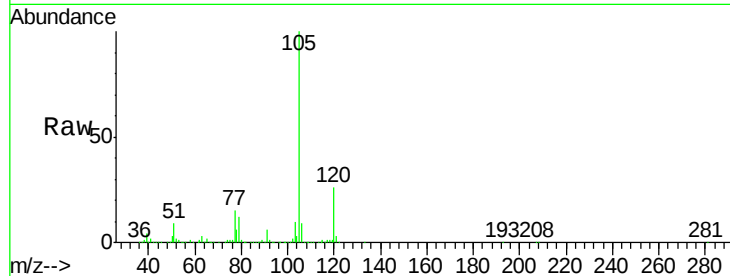
105 100

120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 49.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Tgt Ion: 43 Resp: 997307

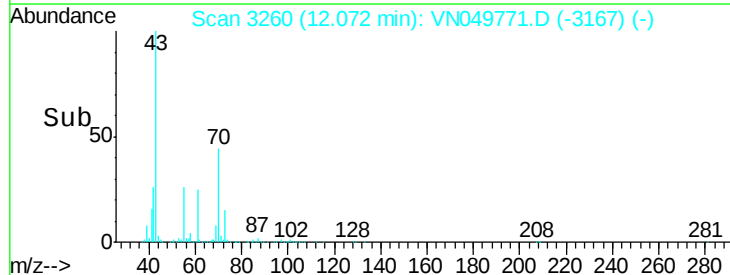
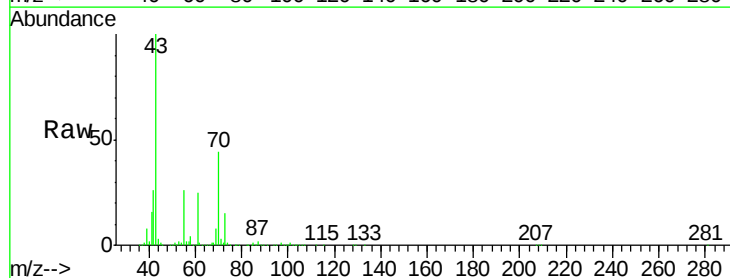
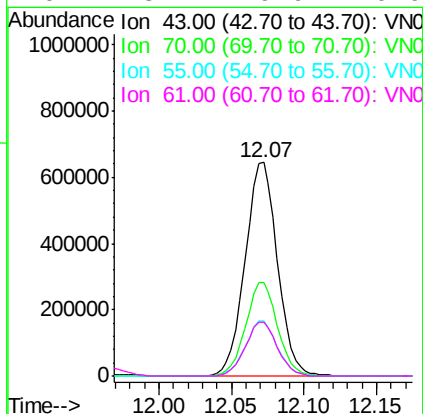
Ion Ratio Lower Upper

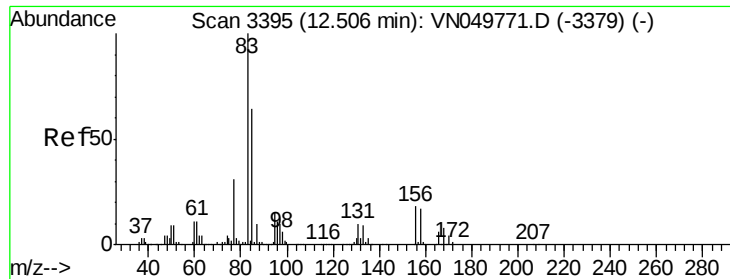
43 100

70 43.4 34.8 52.2

55 25.6 20.9 31.3

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.49 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 891252
Ion Ratio Lower Upper

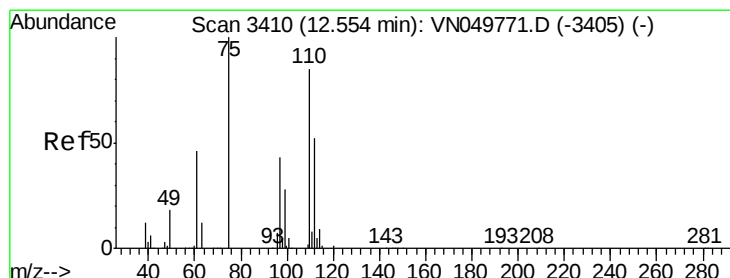
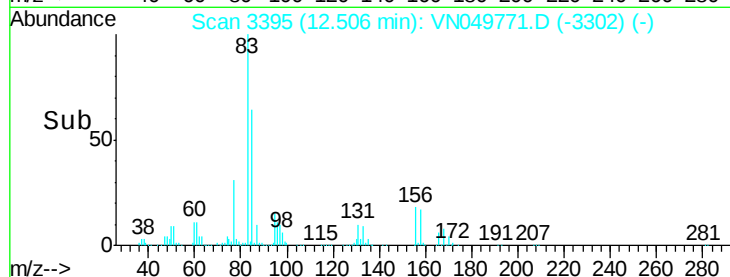
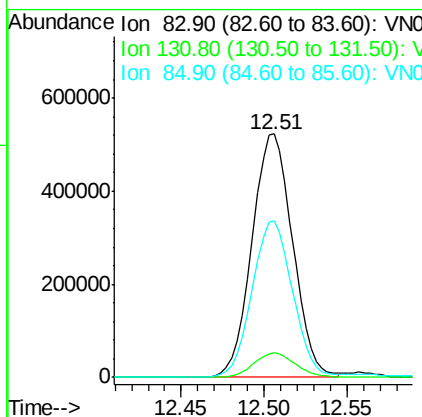
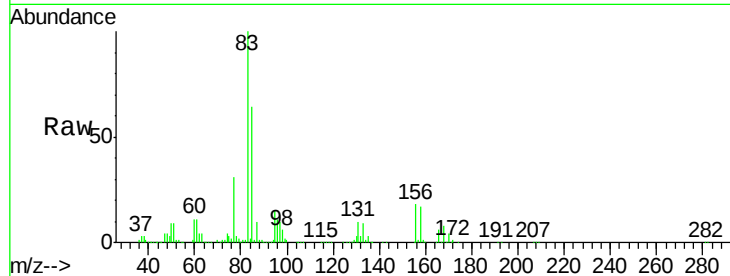
83 100

131 10.4 5.2 15.6

85 63.9 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.95 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

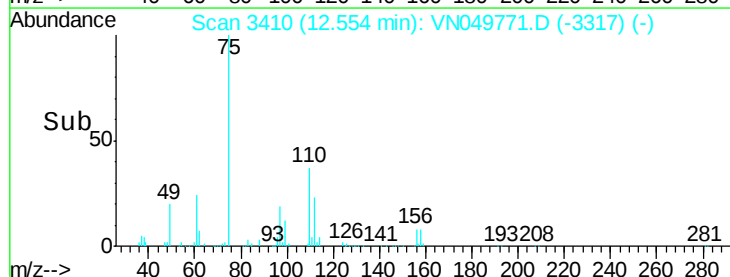
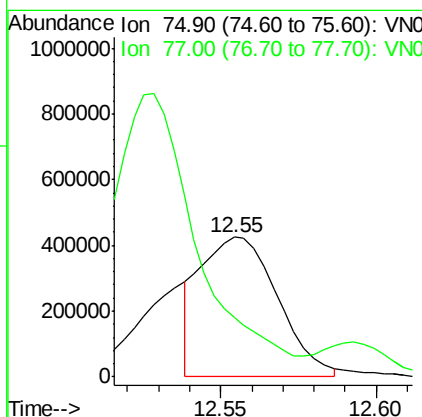
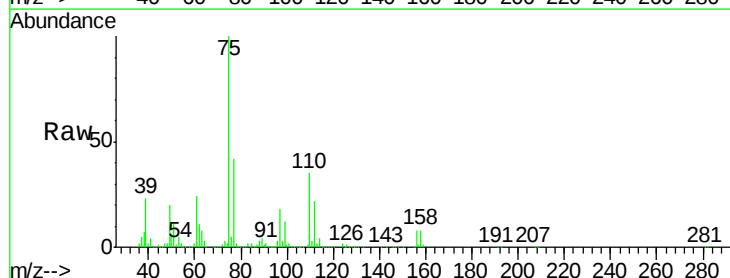
Lab File: VN049771.D

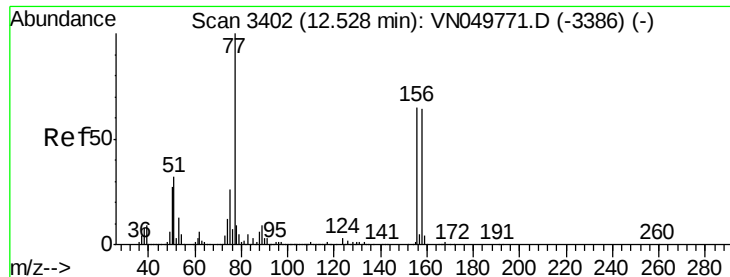
Acq: 12 Jul 2018 12:06

Tgt Ion: 75 Resp: 737178
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

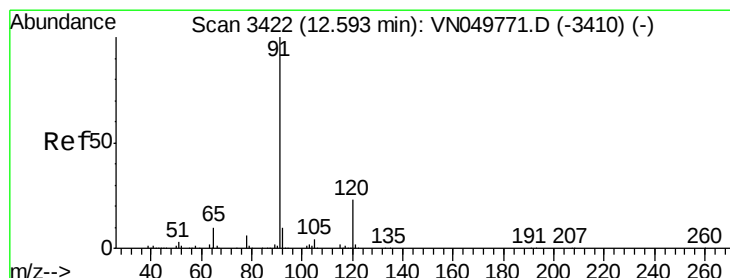
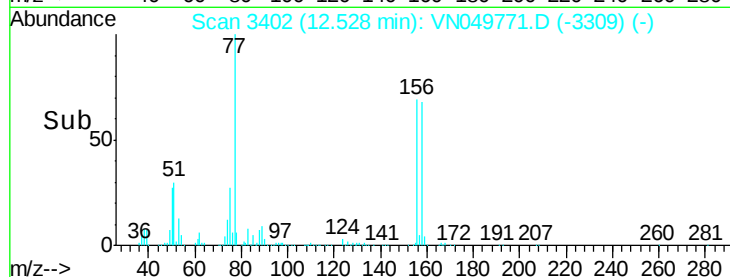
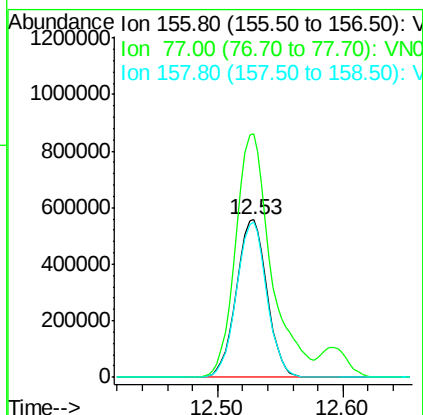
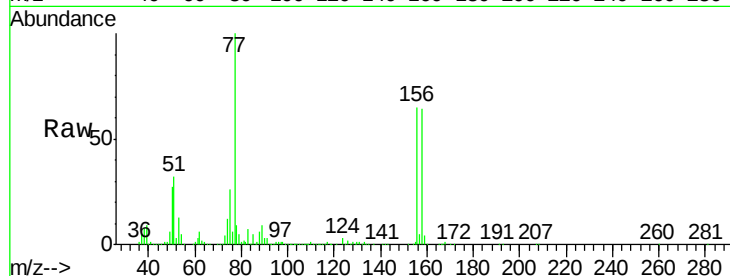
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	945552
Ion Ratio	Lower	Upper	
156	100		
77	180.0	90.2	270.6
158	97.5	49.1	147.3

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#78

n-propylbenzene

Concen: 51.75 ug/l

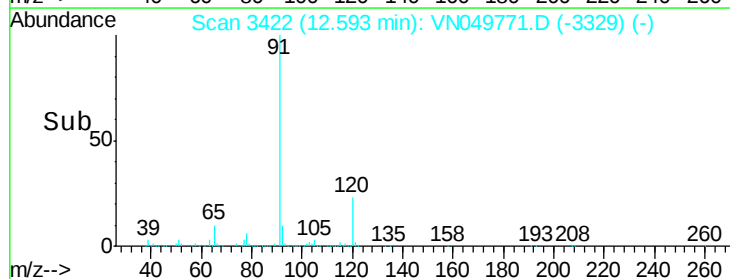
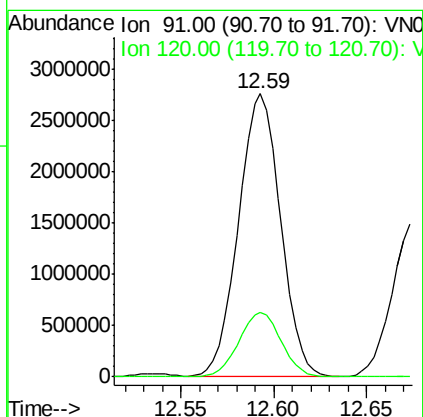
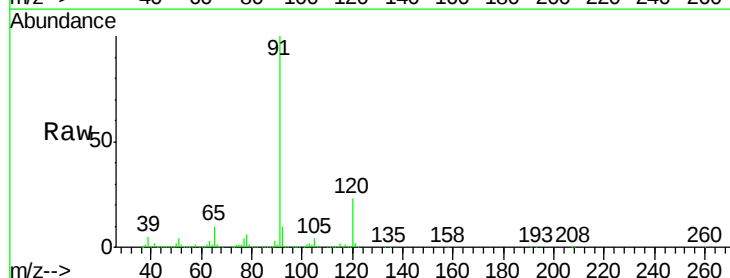
RT: 12.59 min Scan# 3422

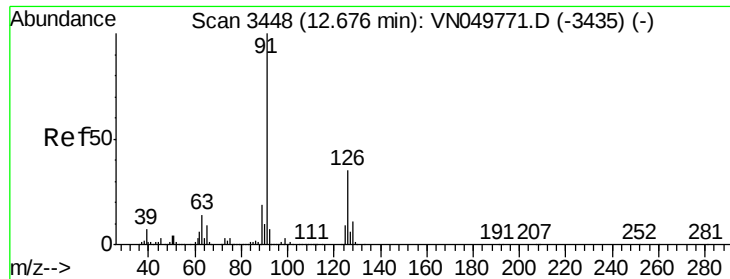
Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Tgt Ion:	91	Resp:	4347452
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 48.01 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2552963

Ion Ratio Lower Upper

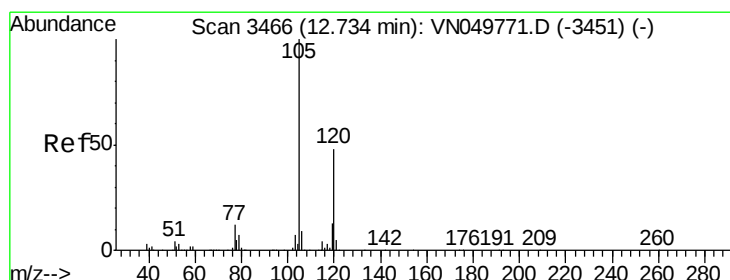
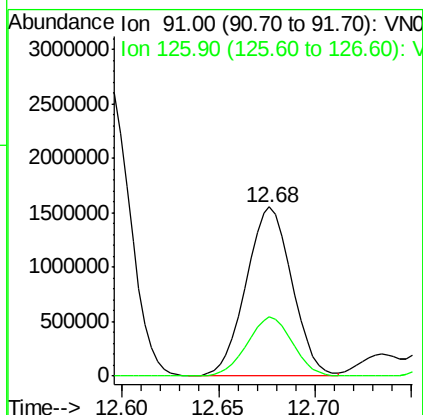
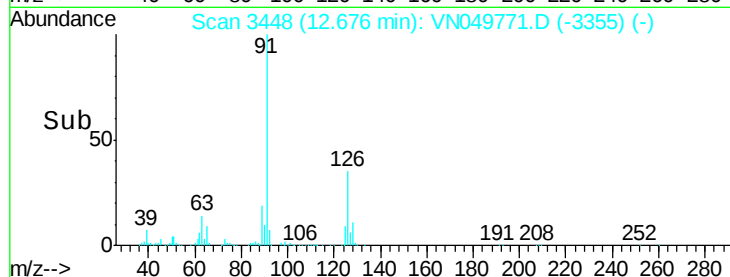
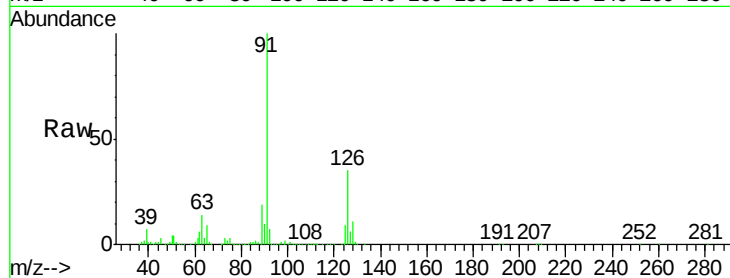
91 100

126 35.0 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.62 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049771.D

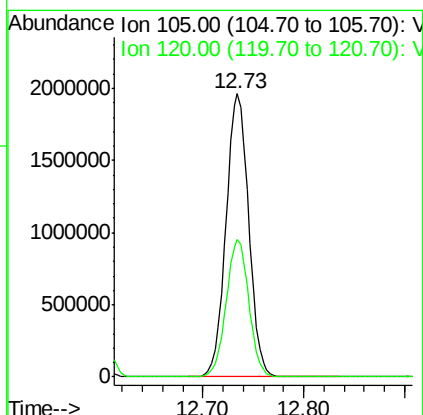
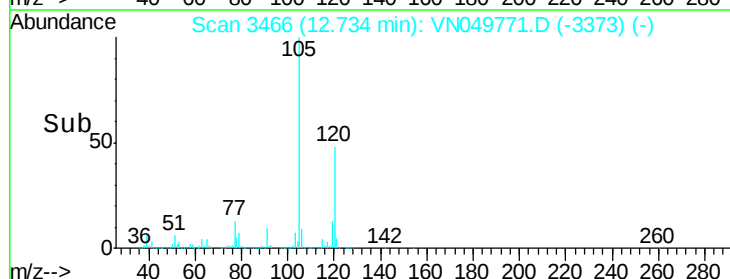
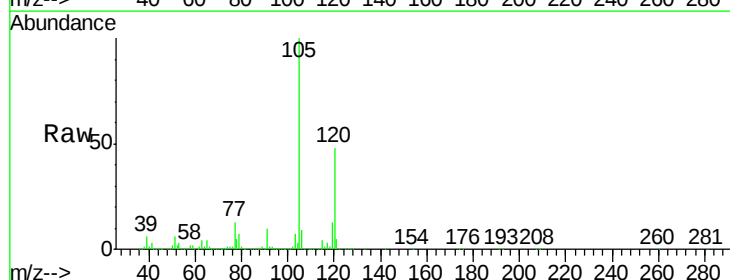
Acq: 12 Jul 2018 12:06

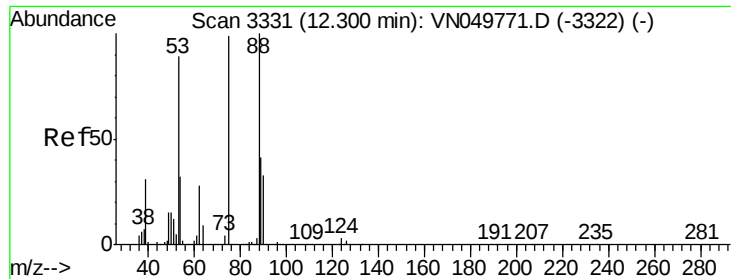
Tgt Ion: 105 Resp: 3083801

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





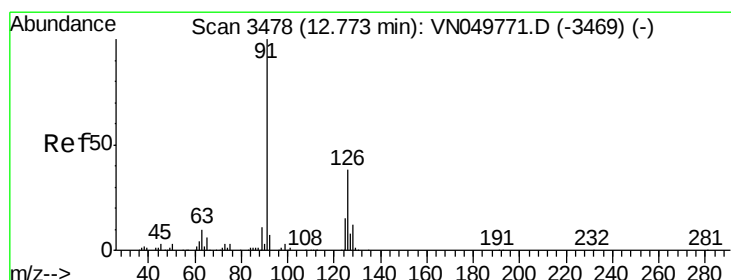
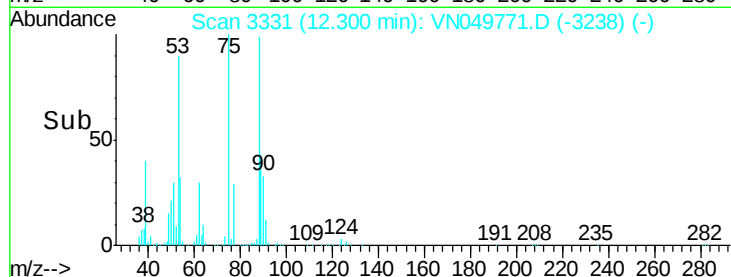
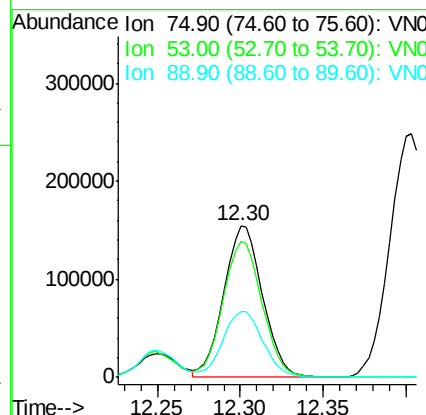
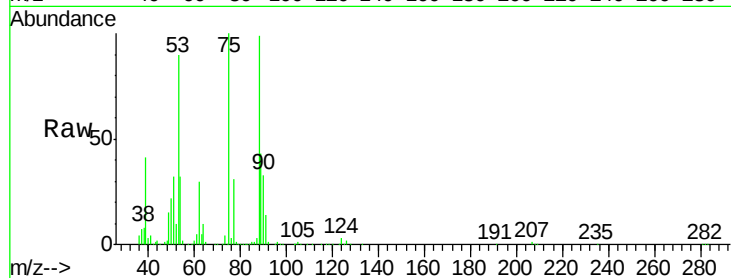
#81
trans-1,4-Dichloro-2-butene
Concen: 57.47 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	73.9	110.9
89	44.7	35.9	53.9

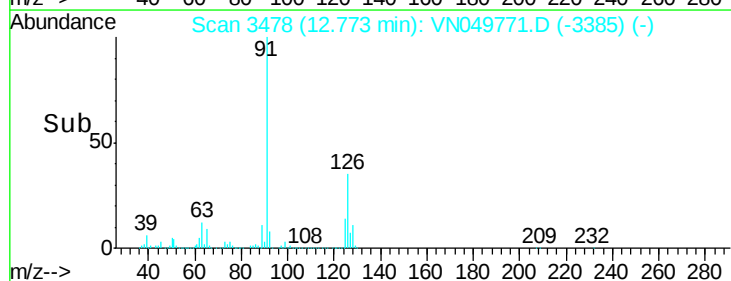
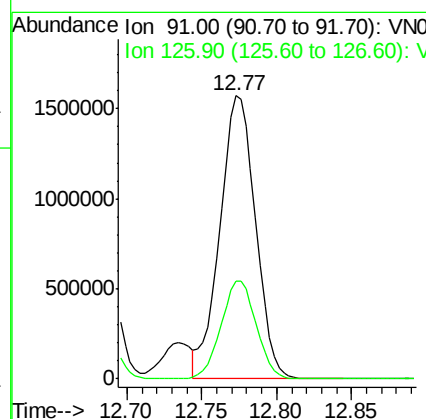
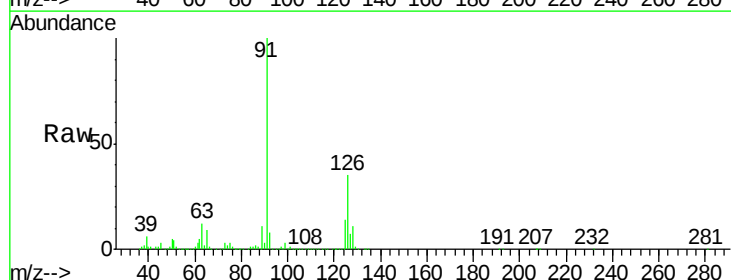
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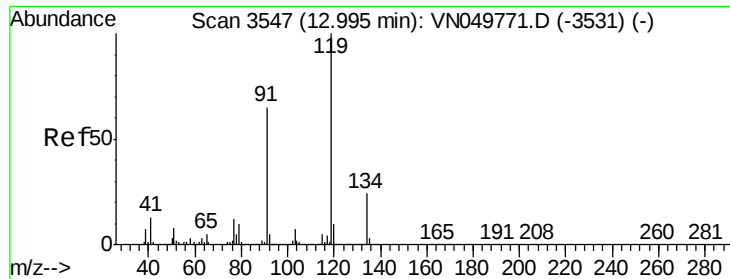
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#82
4-Chlorotoluene
Concen: 48.64 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





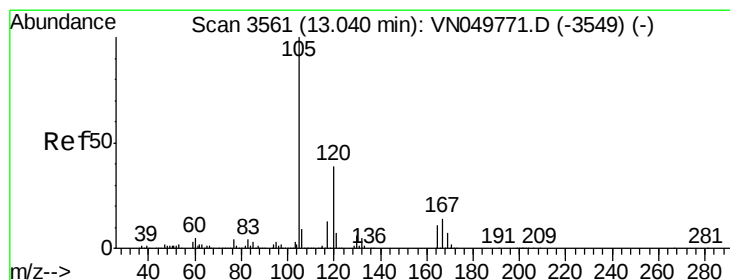
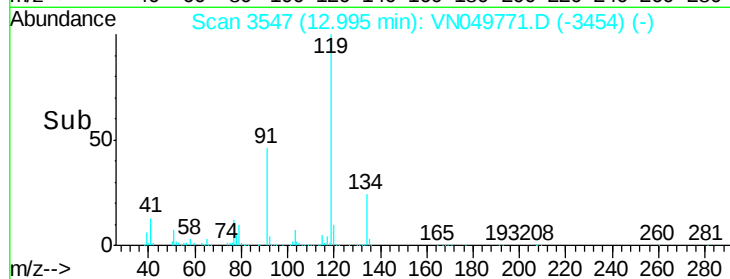
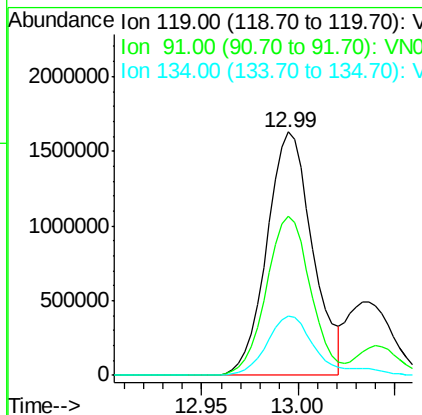
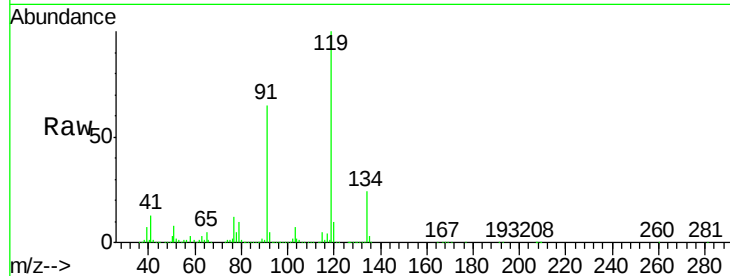
#83
 tert-Butylbenzene
 Concen: 51.23 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 2680902
 Ion Ratio Lower Upper
 119 100
 91 63.8 32.0 96.2
 134 26.5 12.8 38.4

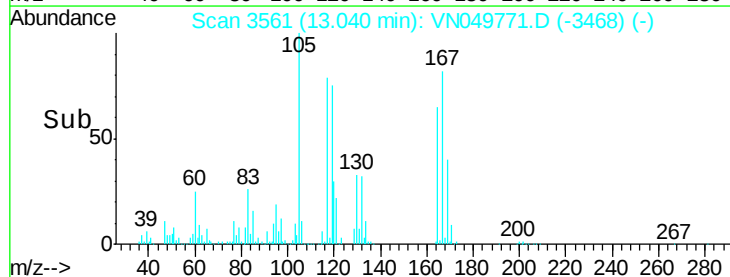
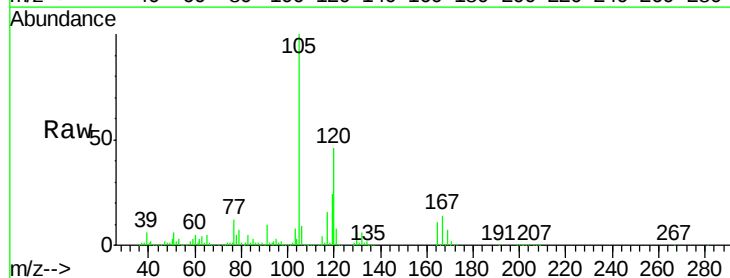
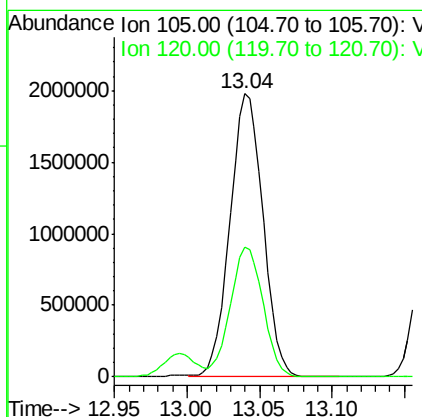
Manual Integrations
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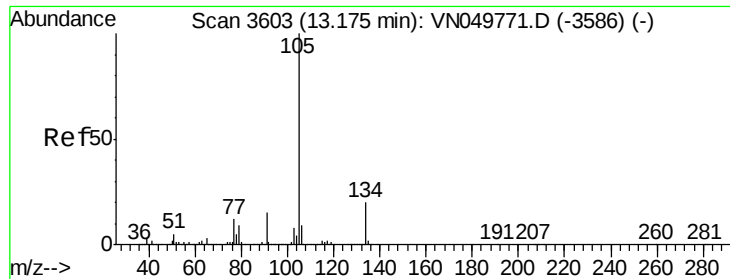
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.79 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion:105 Resp: 3116629
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 52.19 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 3618621

Ion Ratio Lower Upper

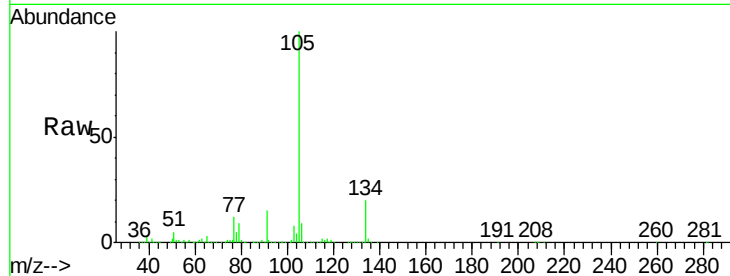
105 100

134 20.1 10.1 30.1

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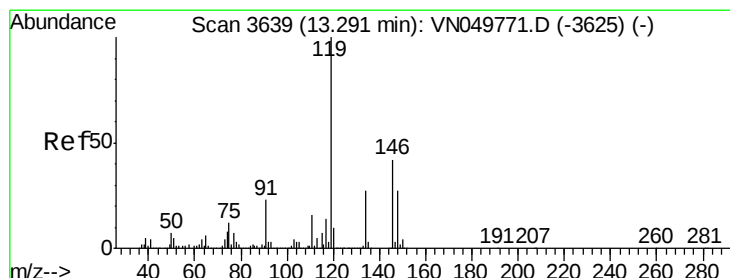
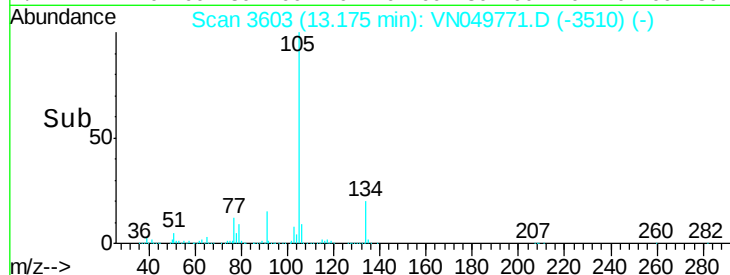
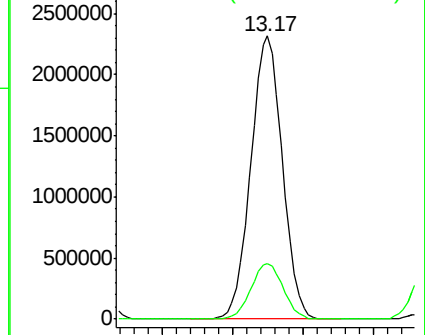
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.62 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

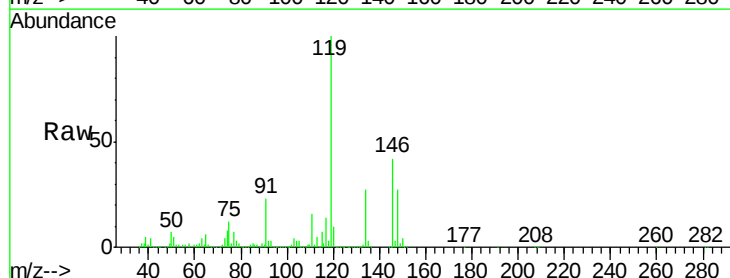
Tgt Ion:119 Resp: 3159923

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

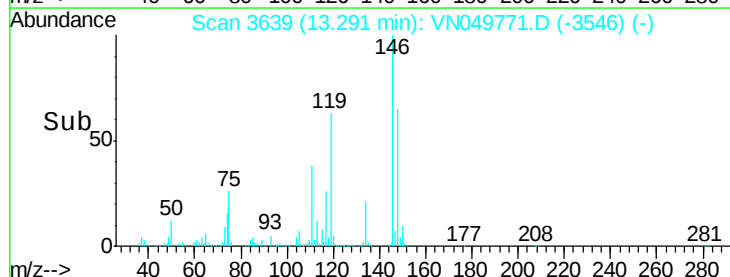
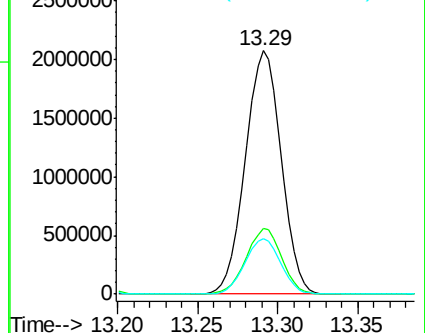
91 22.6 11.4 34.1

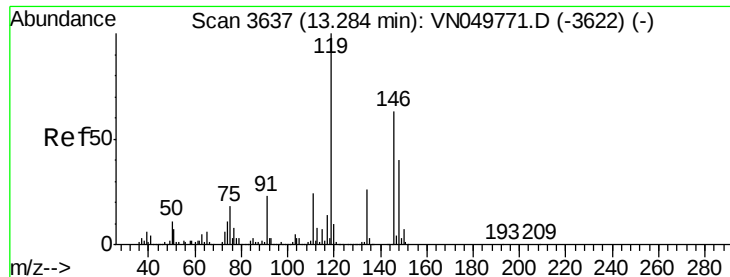


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





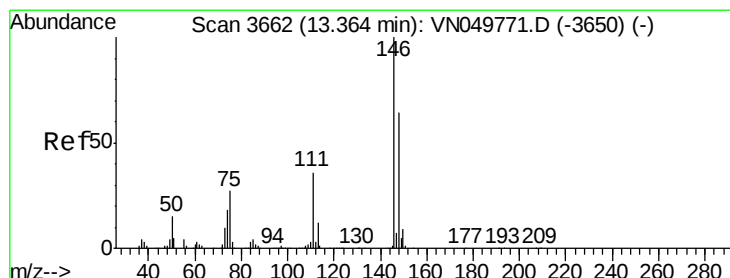
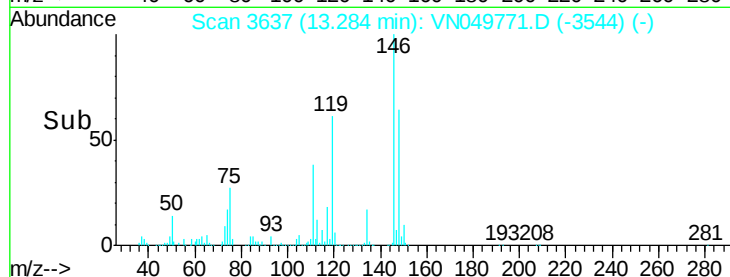
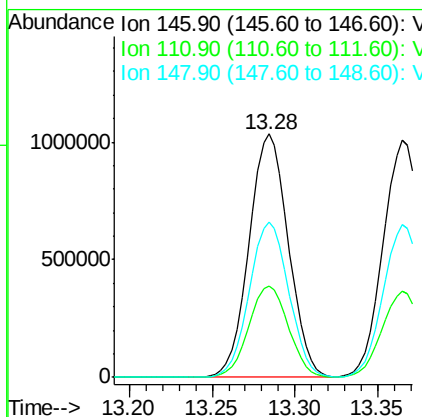
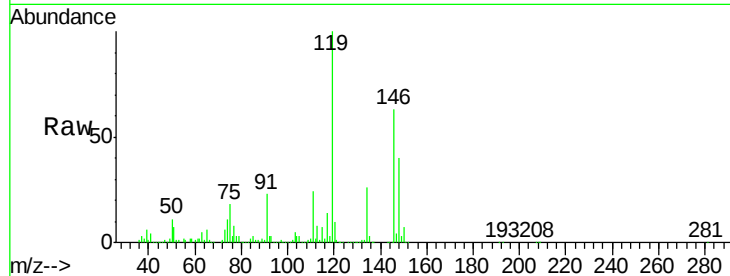
#87
 1,3-Dichlorobenzene
 Concen: 46.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:146 Resp: 1699488
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.0 57.0
 148 64.2 32.5 97.5

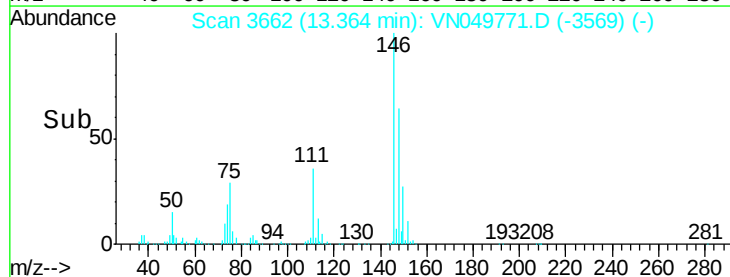
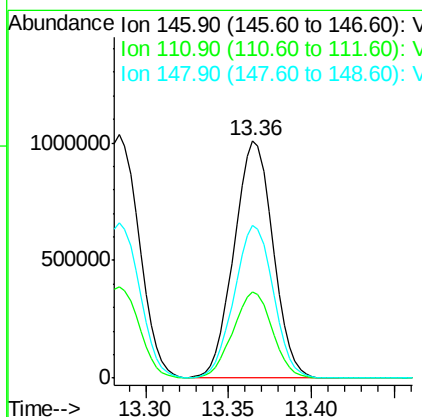
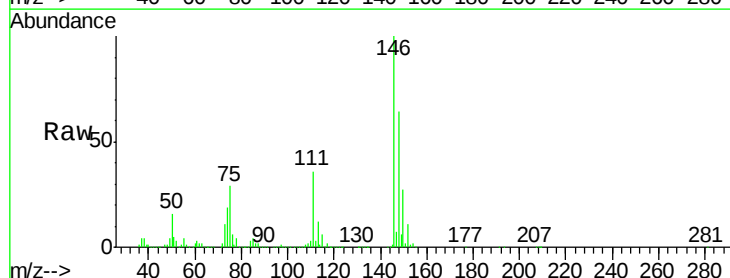
Manual Integrations
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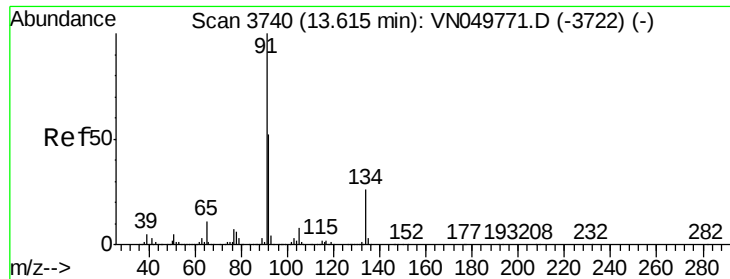
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#88
 1,4-Dichlorobenzene
 Concen: 44.98 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion:146 Resp: 1652485
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.5
 148 64.6 32.1 96.3





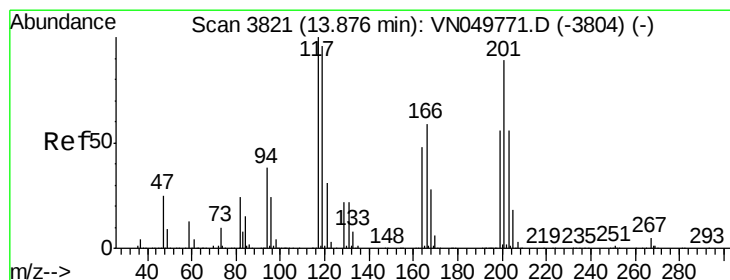
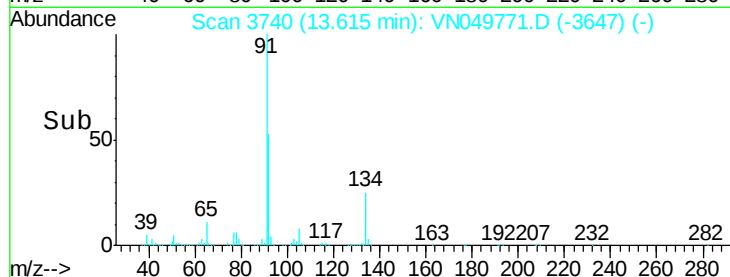
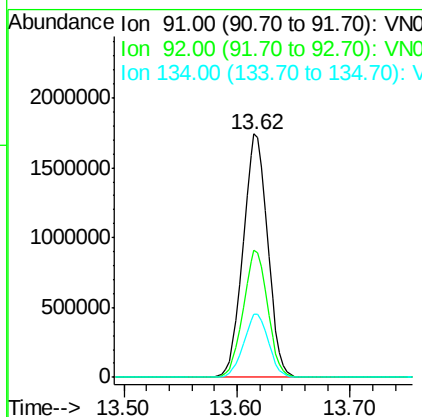
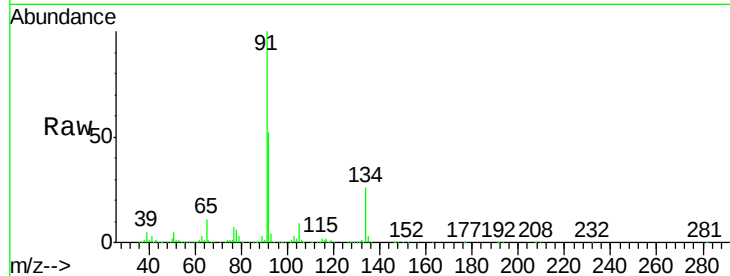
#89
n-Butylbenzene
Concen: 51.17 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	26.2	13.0	38.9

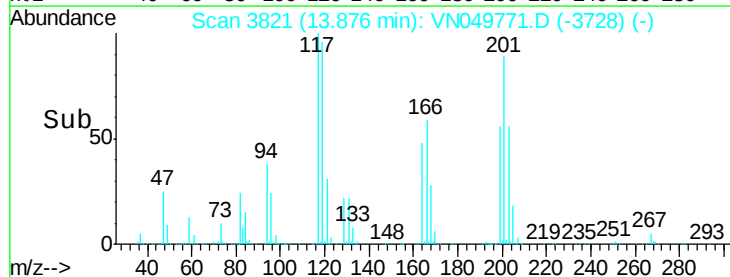
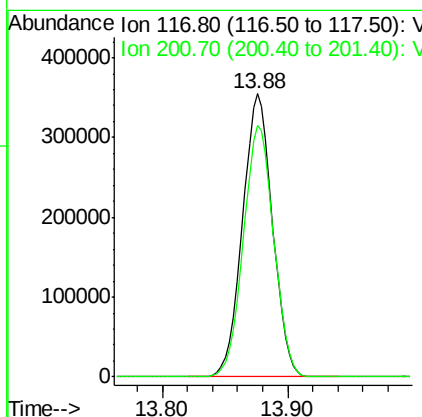
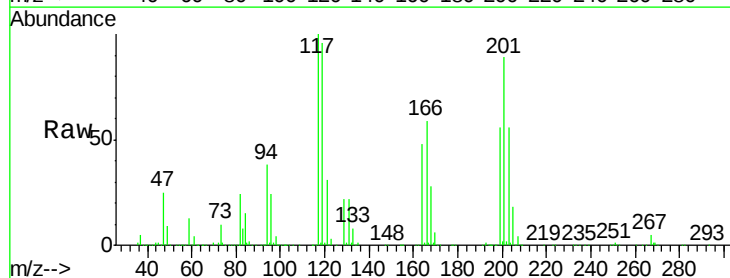
Manual Integrations
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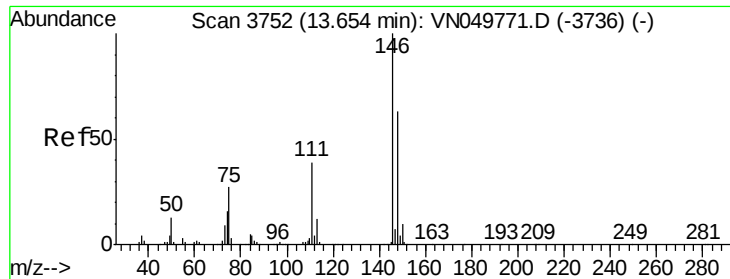
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#90
Hexachloroethane
Concen: 93.23 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049771.D
Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 45.87 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 1640634

Ion Ratio Lower Upper

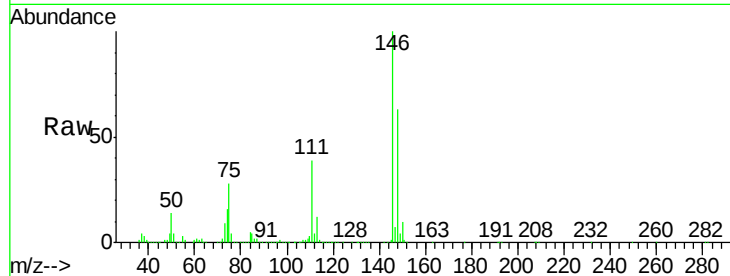
146 100

111 39.1 19.7 59.1

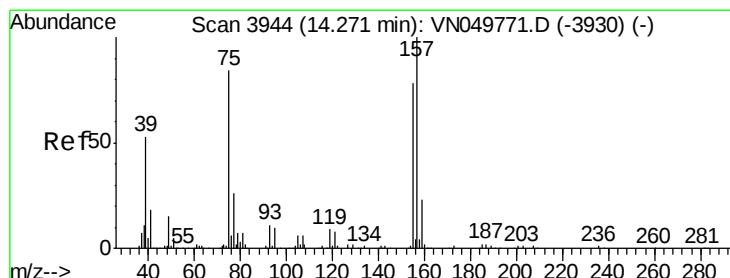
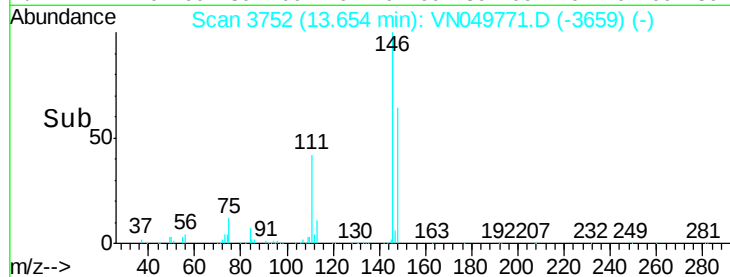
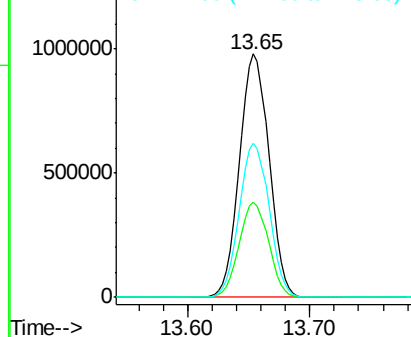
148 64.2 32.0 96.2

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.72 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

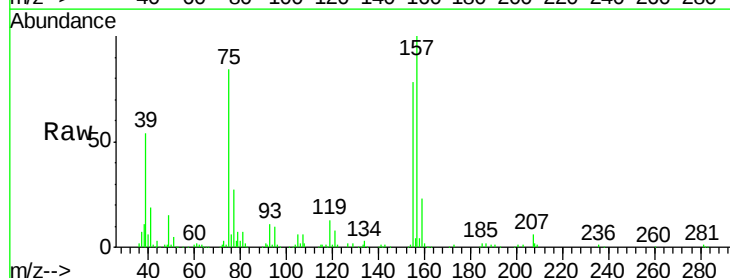
Tgt Ion: 75 Resp: 132046

Ion Ratio Lower Upper

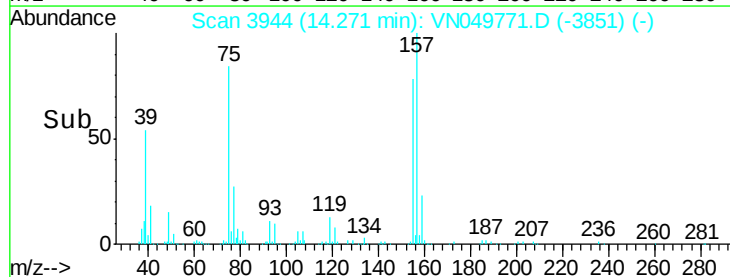
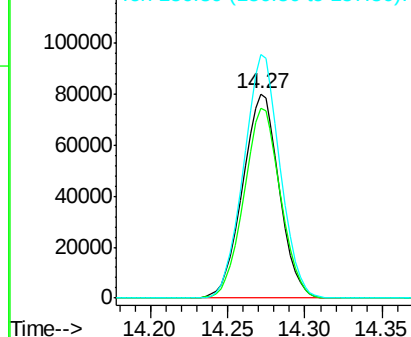
75 100

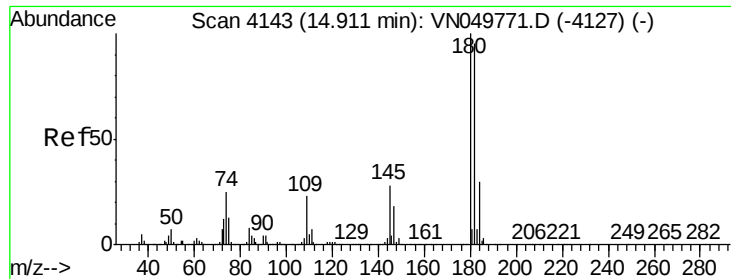
155 92.5 45.7 137.1

157 118.8 56.9 170.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





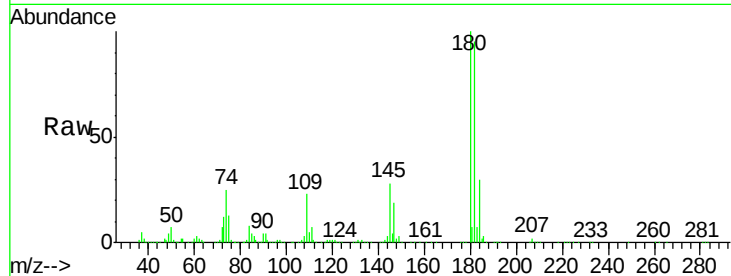
#93
 1,2,4-Trichlorobenzene
 Concen: 54.06 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

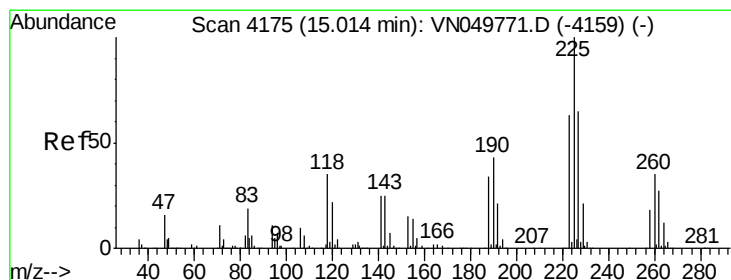
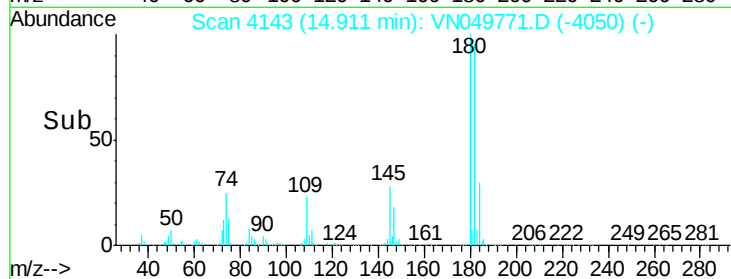
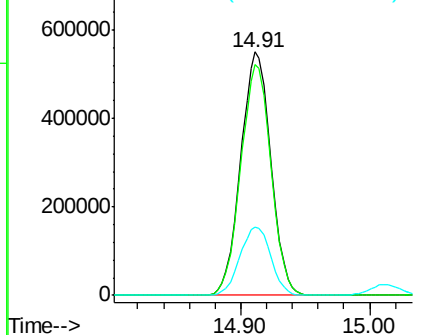
Tot Ion	Ratio	Resp	Lower	Upper
180	100	890468		
182	95.3	47.3	141.9	
145	29.0	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:09 PM

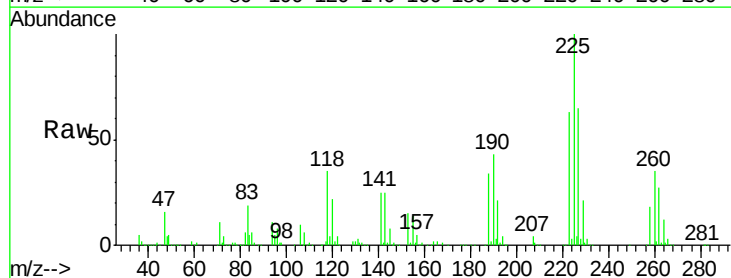


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

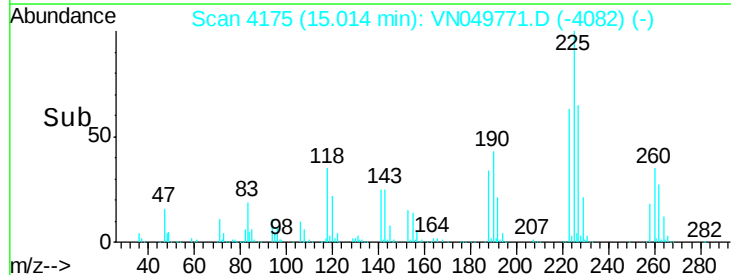
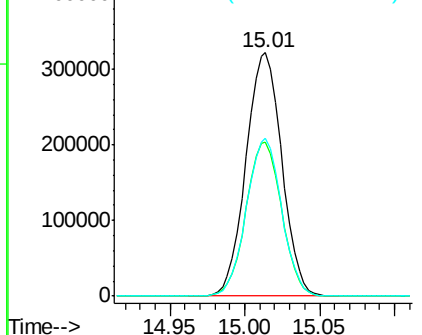


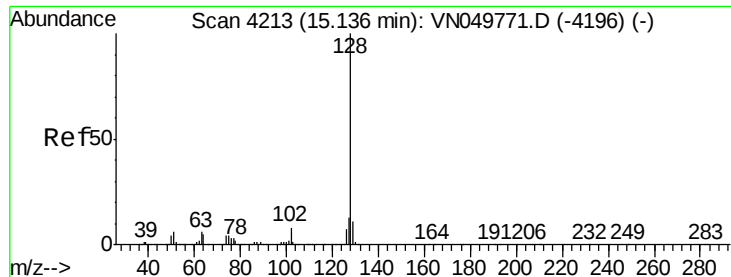
#94
 Hexachlorobutadiene
 Concen: 46.97 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049771.D
 Acq: 12 Jul 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	536618		
223	63.1	30.9	92.7	
227	63.7	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.63 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1824549

Ion Ratio Lower Upper

128 100

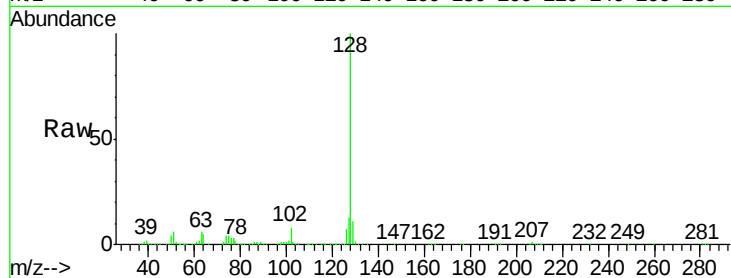
127 12.9 10.4 15.6

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

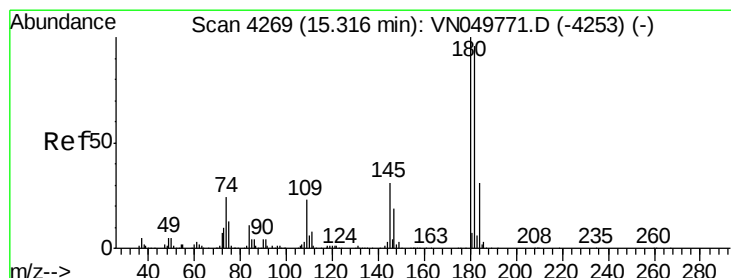
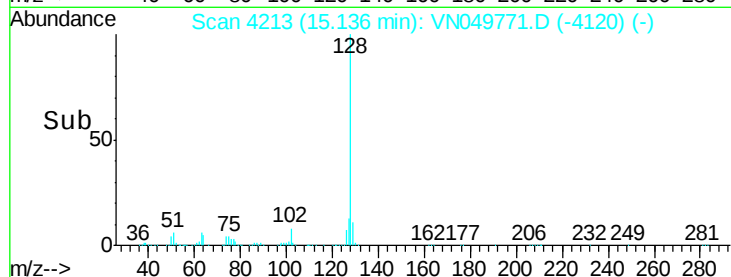
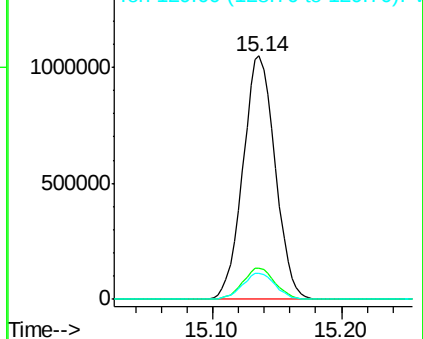
7/13/2018 1:35:09 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.72 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049771.D

Acq: 12 Jul 2018 12:06

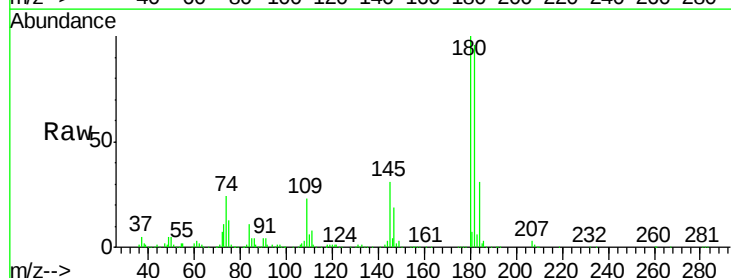
Tgt Ion:180 Resp: 876409

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.2

145 30.3 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

