

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

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 02:08:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

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

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	2220538	144.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.58%	
35) Dibromofluoromethane	7.59	113	2147587	147.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.78%	
50) Toluene-d8	10.09	98	7296215	146.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.58%	
62) 4-Bromofluorobenzene	12.40	95	2808936	157.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1698124	150.816	ug/l	97
3) Chloromethane	2.06	50	2241235	149.924	ug/l	99
4) Vinyl Chloride	2.18	62	2514900	151.160	ug/l	100
5) Bromomethane	2.55	94	1544542	150.985	ug/l	99
6) Chloroethane	2.69	64	1601011	136.056	ug/l	100
7) Trichlorofluoromethane	3.01	101	3455157	137.739	ug/l	98
8) Diethyl Ether	3.41	74	1297480	144.344	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2206412	135.516	ug/l	99
10) Methyl Iodide	3.95	142	3323877	160.618	ug/l	100
11) Tert butyl alcohol	4.80	59	782790	759.989	ug/l	98
12) 1,1-Dichloroethene	3.73	96	2031240	141.987	ug/l	99
13) Acrolein	3.61	56	697844	771.368	ug/l	98
14) Allyl chloride	4.32	41	3509848	150.338	ug/l	99
15) Acrylonitrile	5.00	53	3921121	760.167	ug/l	99
16) Acetone	3.82	43	2836966	753.194	ug/l	100
17) Carbon Disulfide	4.05	76	5524786	151.636	ug/l	100
18) Methyl Acetate	4.33	43	1934633	152.019	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	6084512	153.324	ug/l	100
20) Methylene Chloride	4.55	84	2352149	150.831	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	2210364	141.353	ug/l	99
22) Diisopropyl ether	5.96	45	7387290	154.038	ug/l	96
23) Vinyl Acetate	5.90	43	25604790	796.702	ug/l	100
24) 1,1-Dichloroethane	5.85	63	4280673	142.081	ug/l	99
25) 2-Butanone	6.84	43	4563402	760.924	ug/l	99
26) 2,2-Dichloropropane	6.83	77	3653909	146.124	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	2626361	146.859	ug/l	100
28) Bromochloromethane	7.20	49	1960563	143.074	ug/l	98
29) Tetrahydrofuran	7.22	42	2916885	774.546	ug/l	99
30) Chloroform	7.37	83	4359892	140.446	ug/l	99
31) Cyclohexane	7.65	56	3634723	152.099	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	3764848	142.799	ug/l	98
36) 1,1-Dichloropropene	7.79	75	3283164	147.389	ug/l	100
37) Ethyl Acetate	6.93	43	1983325	150.422	ug/l	99
38) Carbon Tetrachloride	7.78	117	3330474	143.025	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3660866	155.918	ug/l	100
40) Benzene	8.04	78	9742921	146.209	ug/l	100
41) Methacrylonitrile	7.18	41	1136954	152.442	ug/l	97
42) 1,2-Dichloroethane	8.13	62	3097679	142.115	ug/l	99
43) Isopropyl Acetate	8.17	43	3665793	154.678	ug/l	96
44) Trichloroethene	8.84	130	2586522	144.154	ug/l	99
45) 1,2-Dichloropropane	9.12	63	2605516	145.492	ug/l	100
46) Dibromomethane	9.21	93	1538494	144.649	ug/l	99
47) Bromodichloromethane	9.40	83	3433633	146.601	ug/l	99
48) Methyl methacrylate	9.20	41	1913466	161.483	ug/l	98
49) 1,4-Dioxane	9.20	88	482449	3107.356	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	9954235	773.580	ug/l	99
52) Toluene	10.16	92	6106989	153.130	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	3688645	163.731	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	4123844	160.709	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	2243225	150.024	ug/l	99
56) Ethyl methacrylate	10.43	69	3046072	169.210	ug/l	98
57) 1,3-Dichloropropane	10.71	76	3761957	148.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	7160421	829.372	ug/l	100
59) 2-Hexanone	10.75	43	6794164	794.232	ug/l	99
60) Dibromochloromethane	10.90	129	2667003	152.656	ug/l	100
61) 1,2-Dibromoethane	11.01	107	2220972	153.030	ug/l	98
64) Tetrachloroethene	10.63	164	2274781	138.906	ug/l	99
65) Chlorobenzene	11.44	112	6844734	145.673	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	2601769	147.174	ug/l	100
67) Ethyl Benzene	11.51	91	11917184	154.883	ug/l	99
68) m/p-Xylenes	11.62	106	9101017	315.140	ug/l	94
69) o-Xylene	11.95	106	4439414	159.125	ug/l	97
70) Styrene	11.97	104	7451532	168.145	ug/l	99
71) Bromoform	12.13	173	1872294	156.750	ug/l #	100
73) Isopropylbenzene	12.25	105	11833317	144.148	ug/l	100
74) N-amyl acetate	12.07	43	3312996	155.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	2755521	149.574	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	3519313	200.554	ug/l #	100
77) Bromobenzene	12.53	156	3031727	139.212	ug/l	99
78) n-propylbenzene	12.59	91	13573131	146.648	ug/l	99
79) 2-Chlorotoluene	12.68	91	8034364	141.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	9675585	148.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	889767	163.745	ug/l	96
82) 4-Chlorotoluene	12.78	91	8305028	147.824	ug/l	100
83) tert-Butylbenzene	12.99	119	8467464	145.065	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	9901152	151.336	ug/l	100
85) sec-Butylbenzene	13.17	105	11392270	148.921	ug/l	100
86) p-Isopropyltoluene	13.29	119	10070241	155.564	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	5465236	144.742	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	5357416	145.948	ug/l	99
89) n-Butylbenzene	13.62	91	8748471	163.710	ug/l	99
90) Hexachloroethane	13.88	117	1866212	150.673	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5168035	140.243	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	437284	151.707	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
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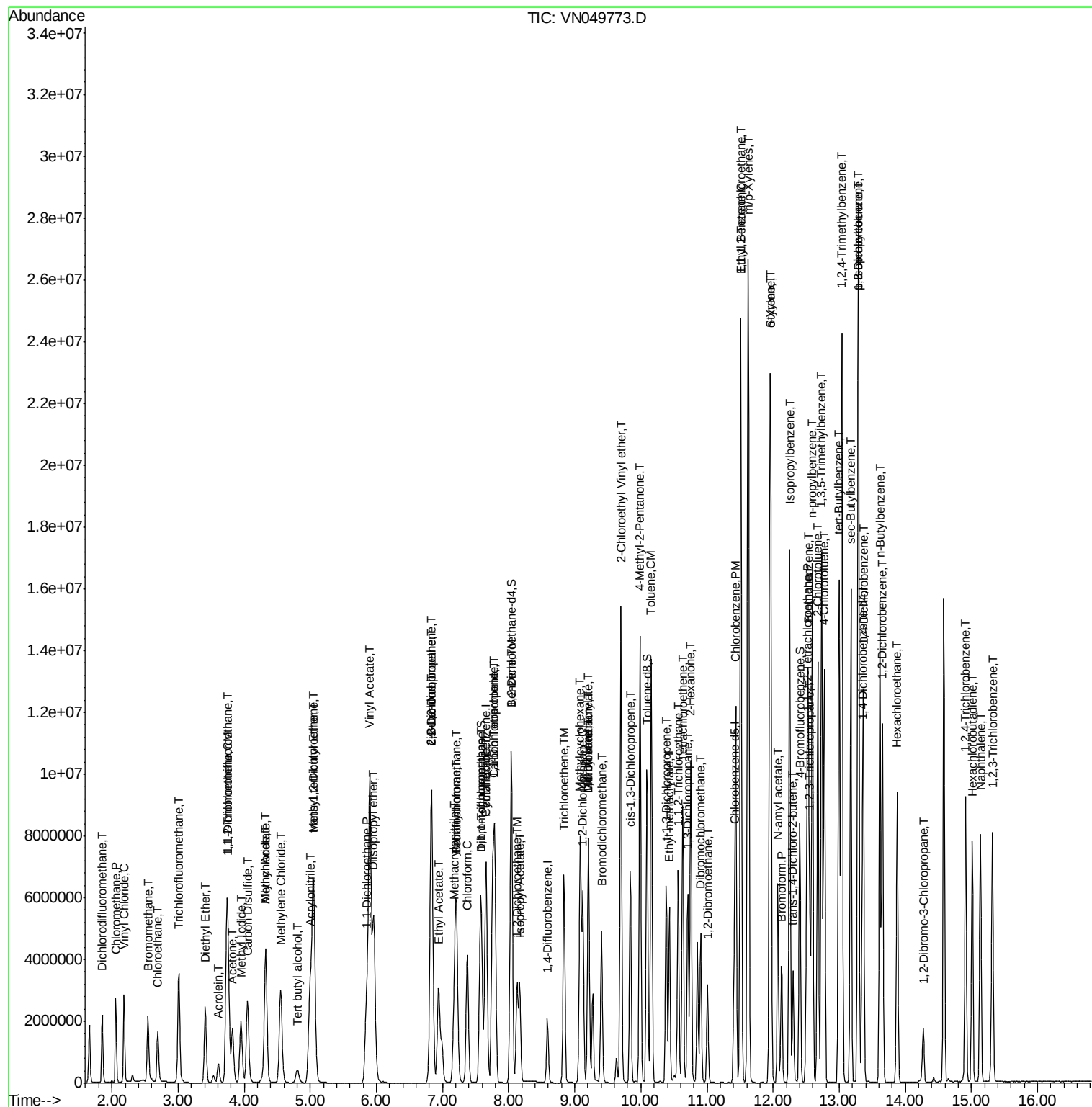
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3227400	153.096	ug/l	100
94) Hexachlorobutadiene	15.01	225	1672810	150.478	ug/l	100
95) Naphthalene	15.14	128	7099098	153.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	3043585	170.309	ug/l	99

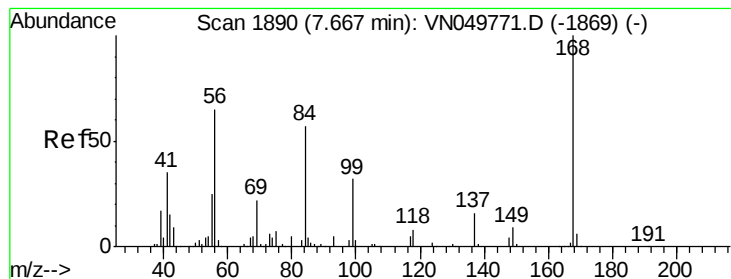
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

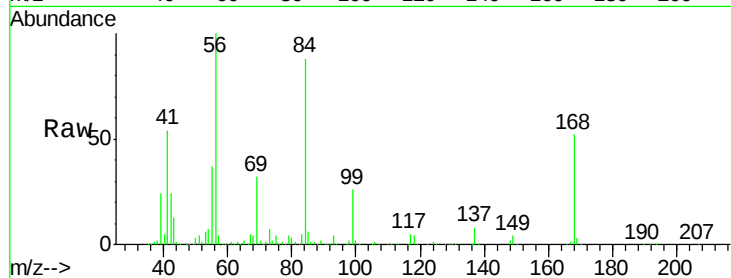
ClientSampleId :

Tot Ion:168 Resp: 1322943

Ion Ratio Lower Upper

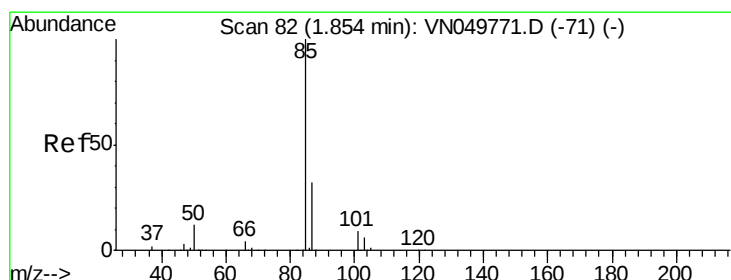
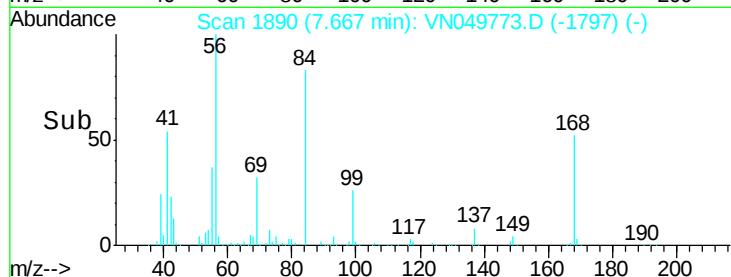
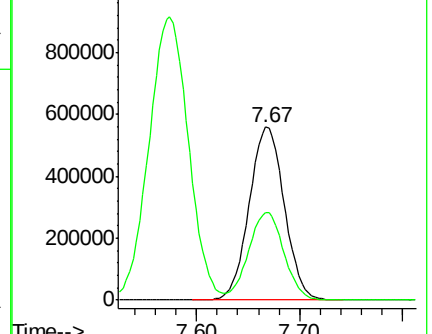
168 100

99 50.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 150.816 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049773.D

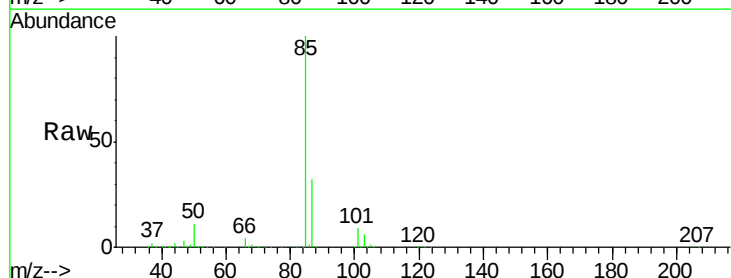
Acq: 12 Jul 2018 12:58

Tgt Ion: 85 Resp: 1698124

Ion Ratio Lower Upper

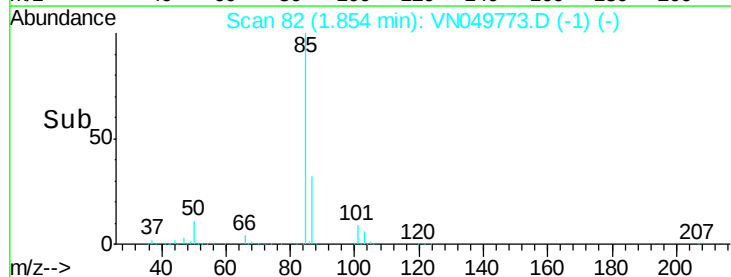
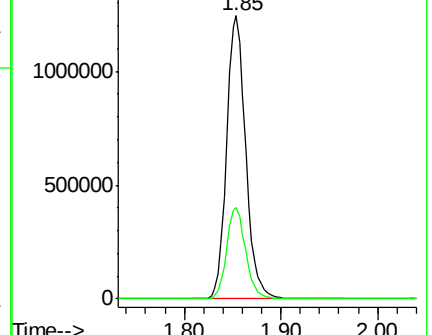
85 100

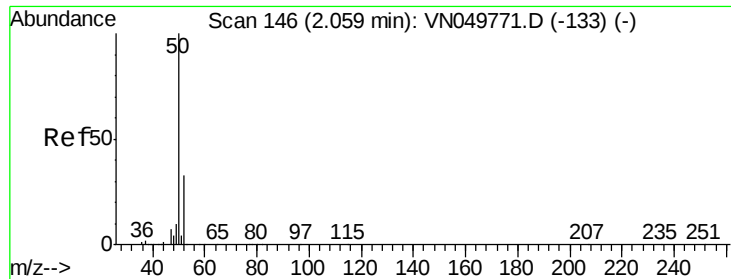
87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 149.924 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

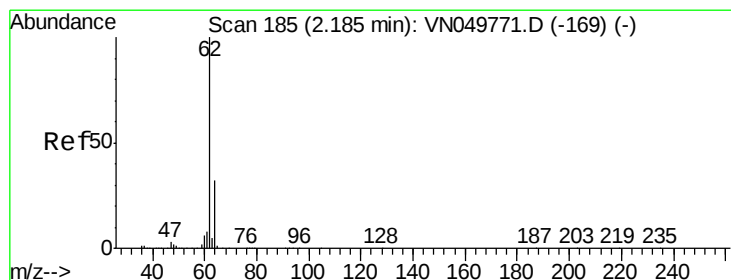
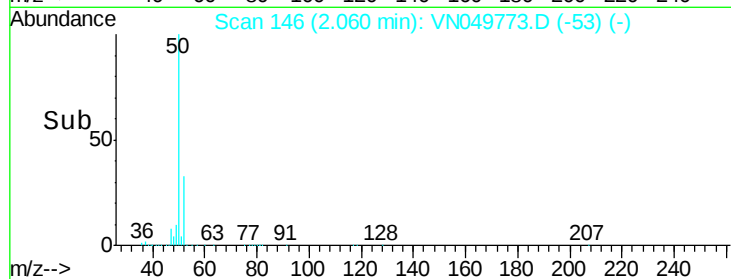
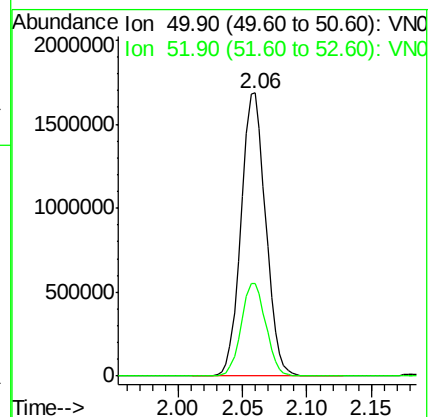
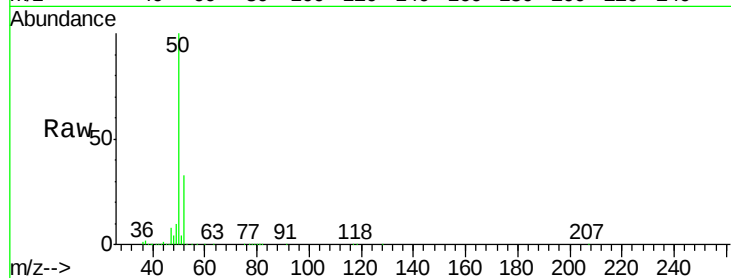
Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 2241235

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1



#4

Vinyl Chloride

Concen: 151.160 ug/l

RT: 2.18 min Scan# 184

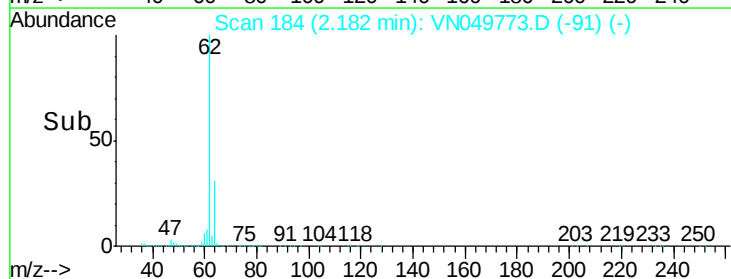
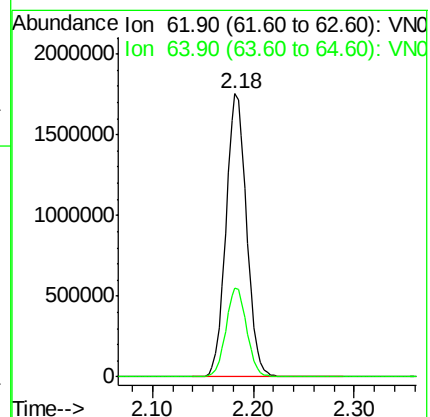
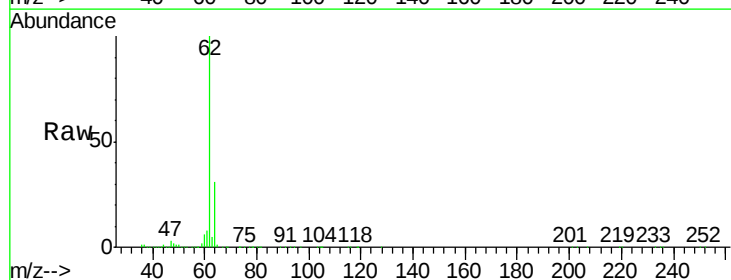
Delta R.T. -0.00 min

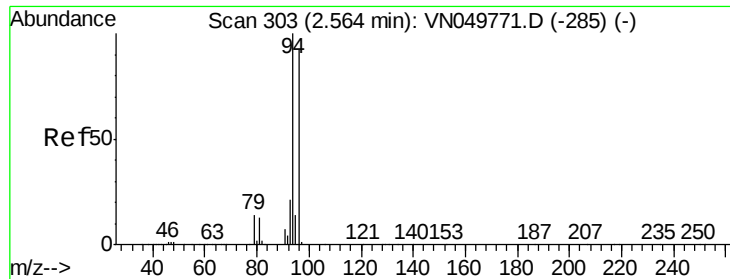
Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion: 62 Resp: 2514900

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.4	38.0





#5

Bromomethane

Concen: 150.985 ug/l

RT: 2.55 min Scan# 297

Delta R.T. -0.02 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

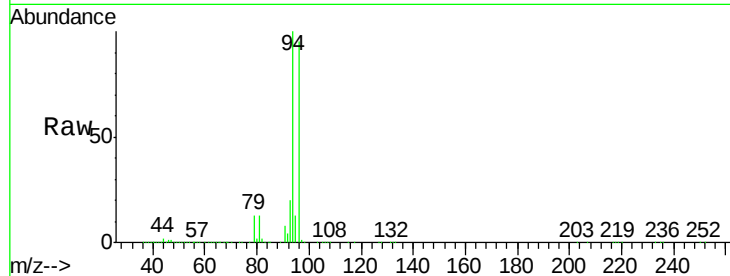
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 1544542

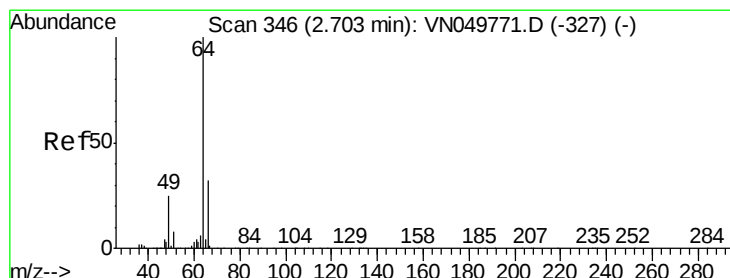
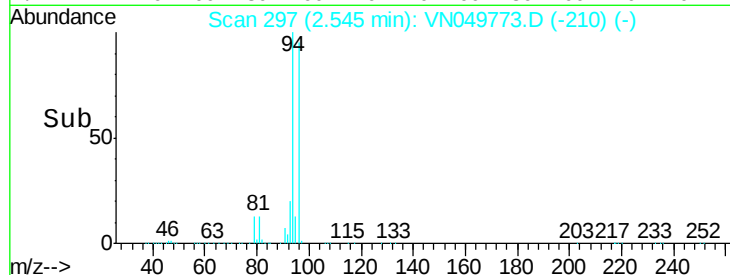
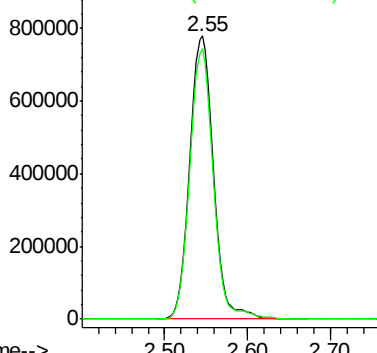
Ion Ratio Lower Upper

94 100

96 95.4 75.7 113.5



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



#6

Chloroethane

Concen: 136.056 ug/l

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN049773.D

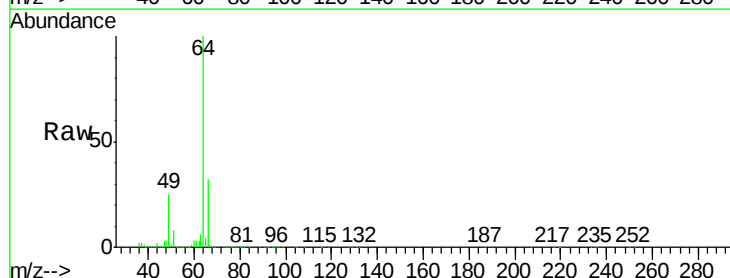
Acq: 12 Jul 2018 12:58

Tgt Ion: 64 Resp: 1601011

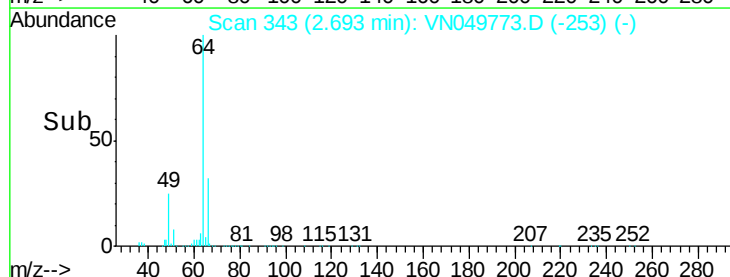
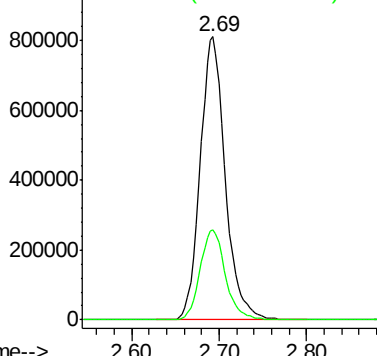
Ion Ratio Lower Upper

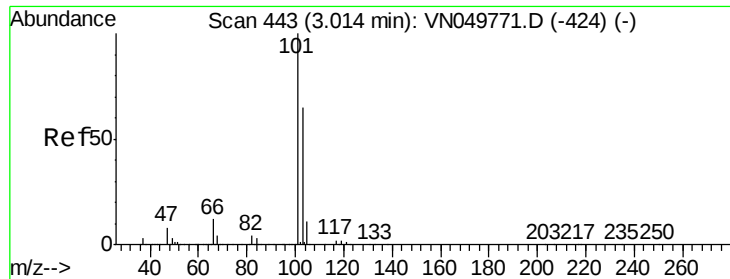
64 100

66 32.0 25.6 38.4



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



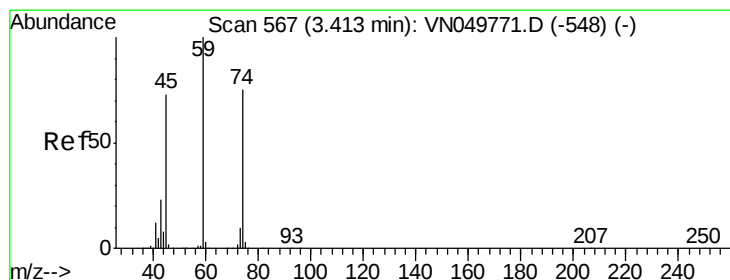
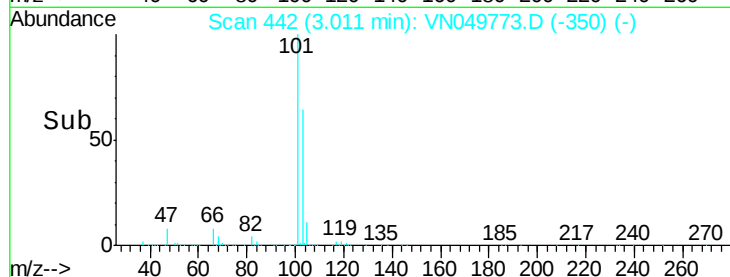
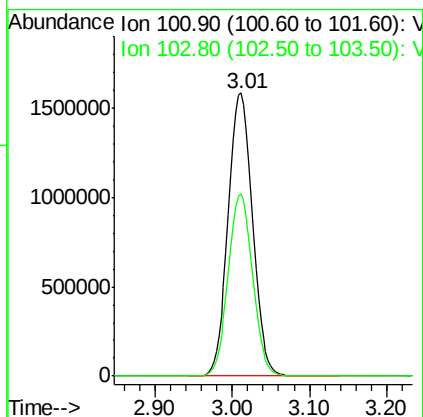
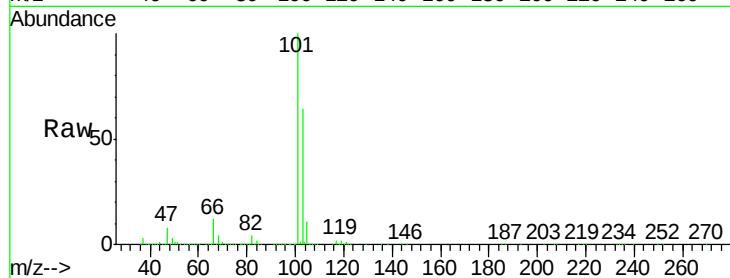


#7

Trichlorofluoromethane
Concen: 137.739 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

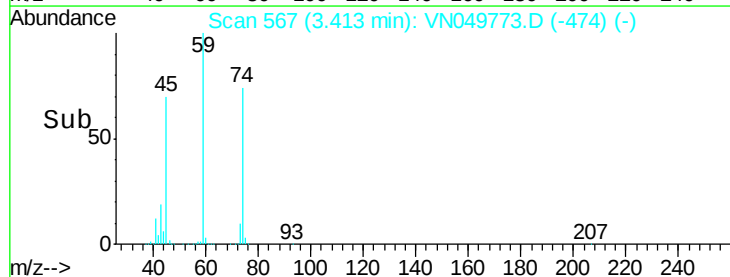
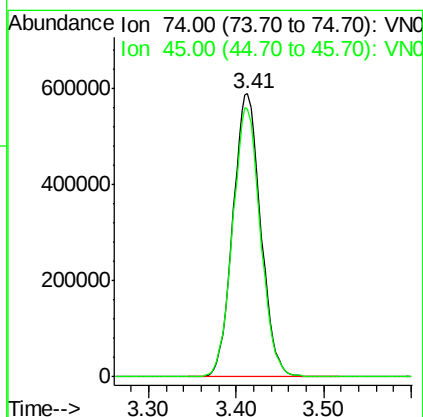
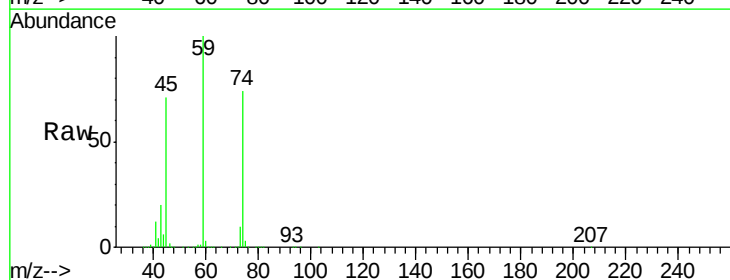
Tot Ion:101 Resp: 3455157
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2

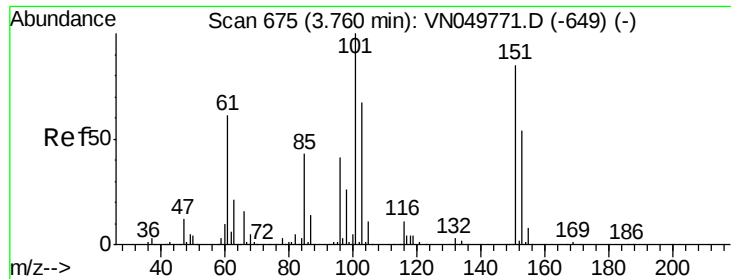


#8

Diethyl Ether
Concen: 144.344 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.516 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

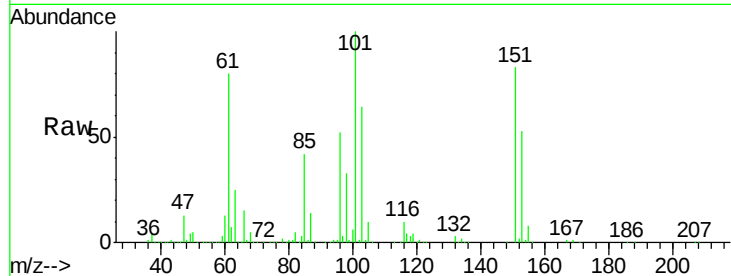
Tot Ion:101 Resp: 2206412

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

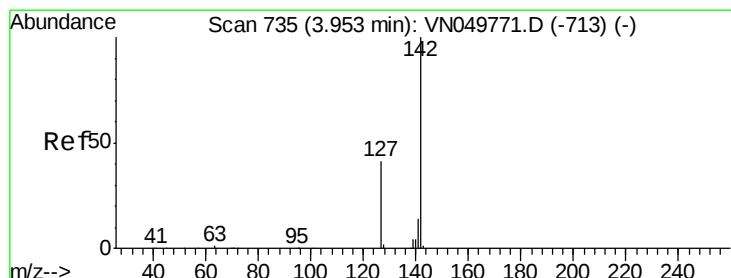
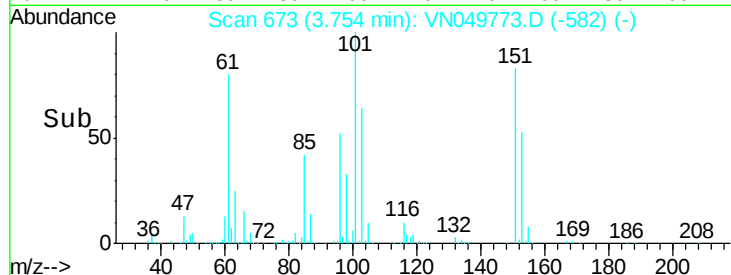
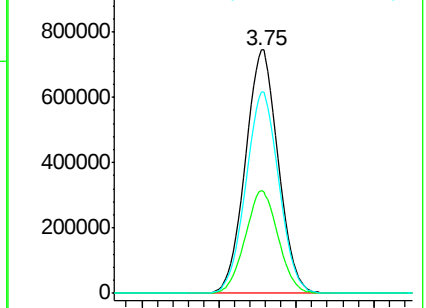
151 83.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 160.618 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

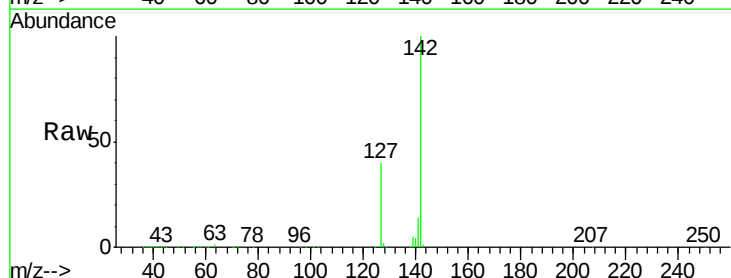
Tgt Ion:142 Resp: 3323877

Ion Ratio Lower Upper

142 100

127 40.3 32.5 48.7

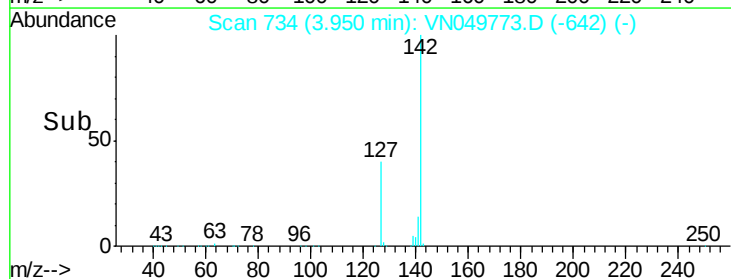
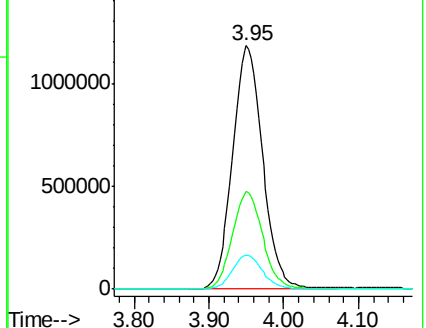
141 13.9 11.1 16.7

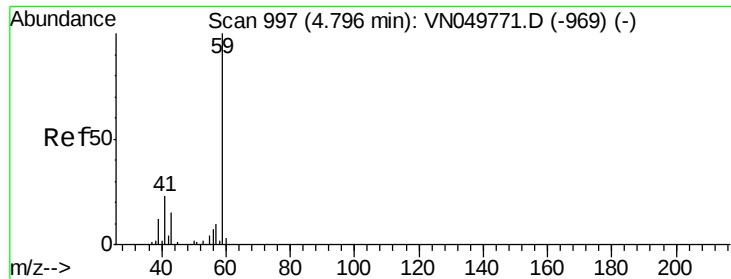


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



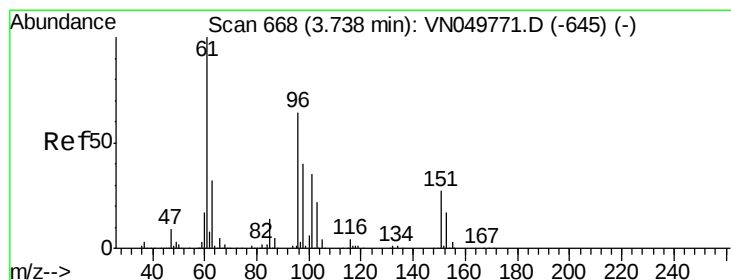
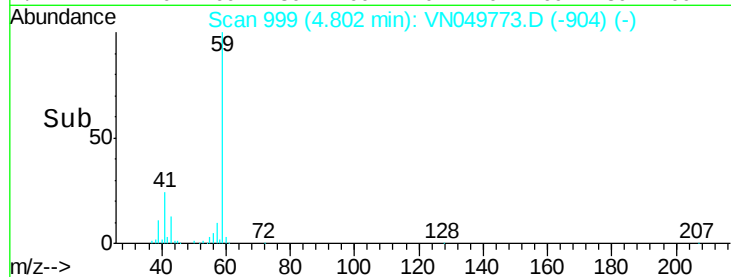
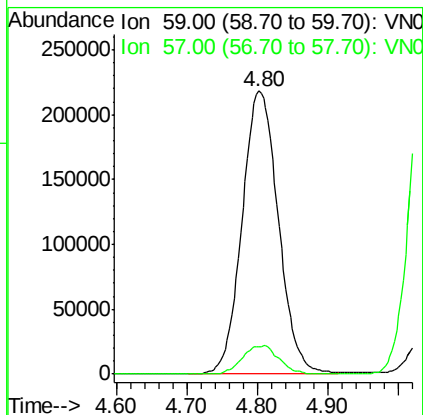
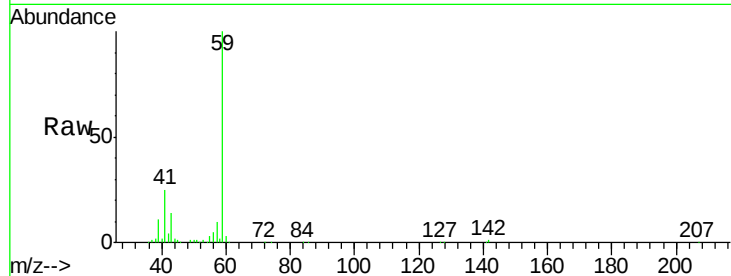


#11

Tert butyl alcohol
Concen: 759.989 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

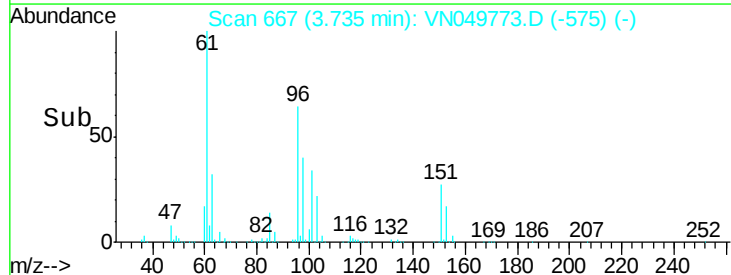
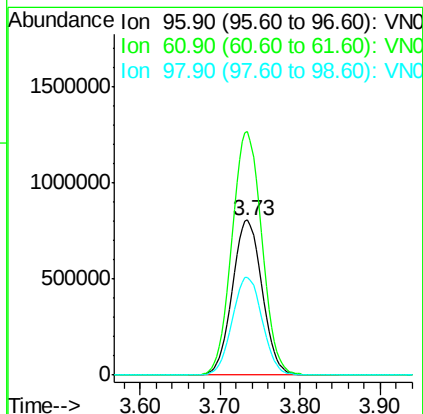
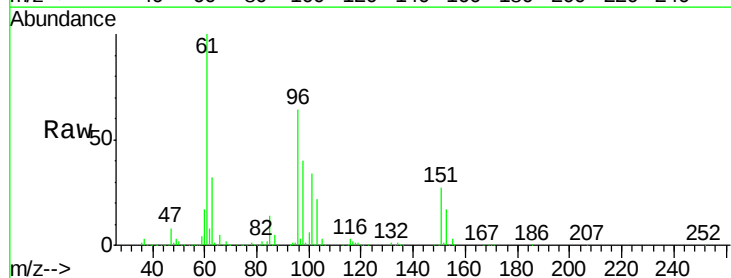
Tot Ion: 59 Resp: 782790
Ion Ratio Lower Upper
59 100
57 9.9 8.5 12.7

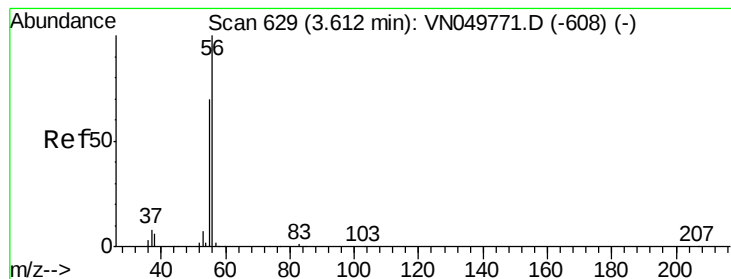


#12

1,1-Dichloroethene
Concen: 141.987 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 96 Resp: 2031240
Ion Ratio Lower Upper
96 100
61 157.3 126.5 189.7
98 63.1 51.0 76.6





#13

Acrolein

Concen: 771.368 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

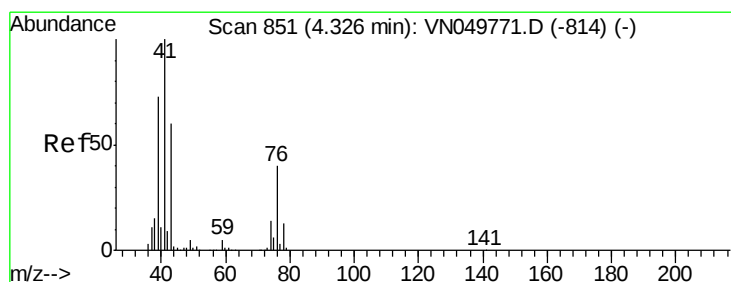
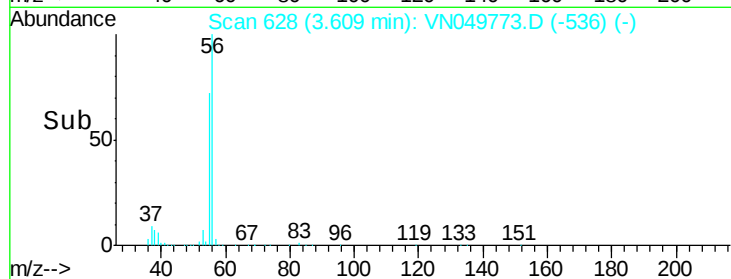
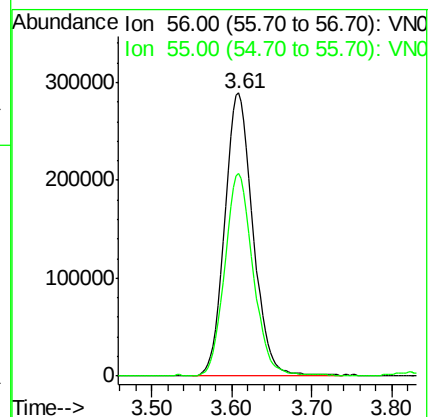
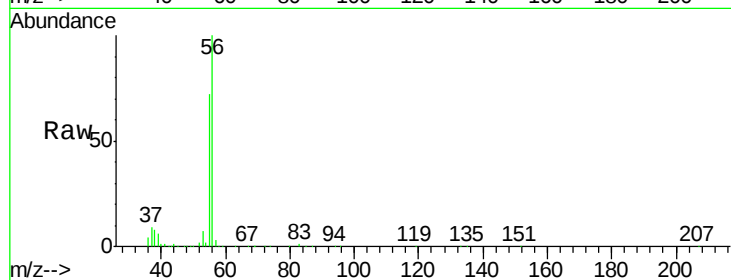
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 697844

Ion Ratio Lower Upper

56 100

55 71.4 55.8 83.8



#14

Allyl chloride

Concen: 150.338 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

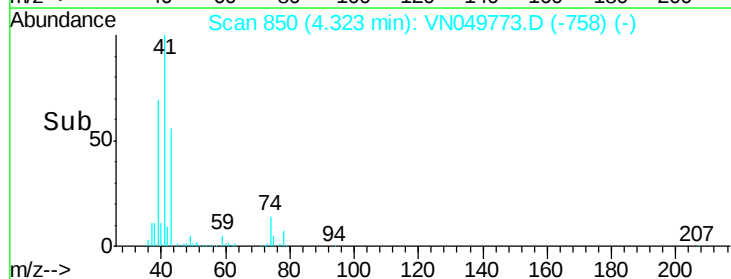
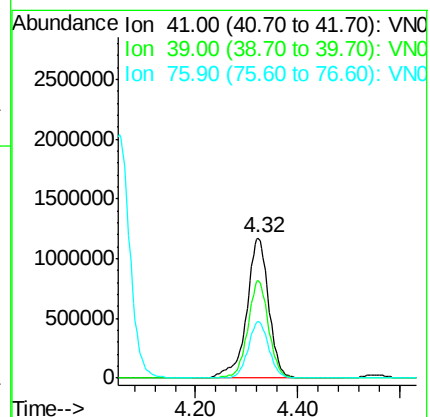
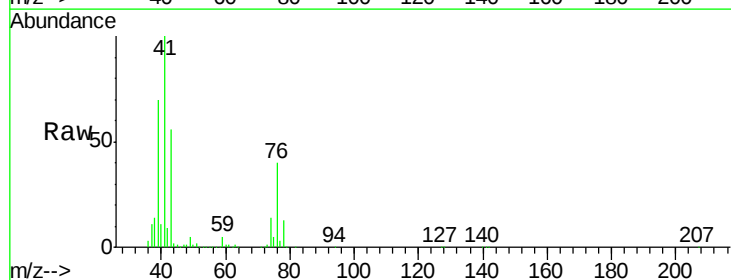
Tgt Ion: 41 Resp: 3509848

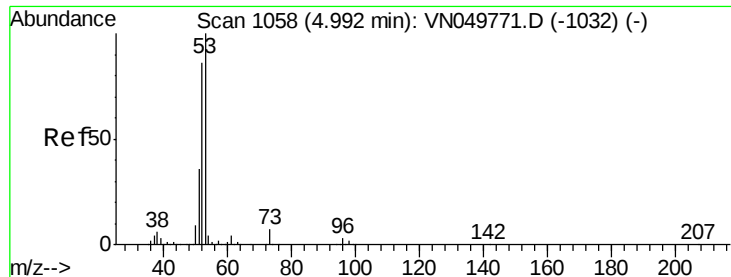
Ion Ratio Lower Upper

41 100

39 65.5 53.2 79.8

76 37.2 29.0 43.6





#15

Acrylonitrile

Concen: 760.167 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

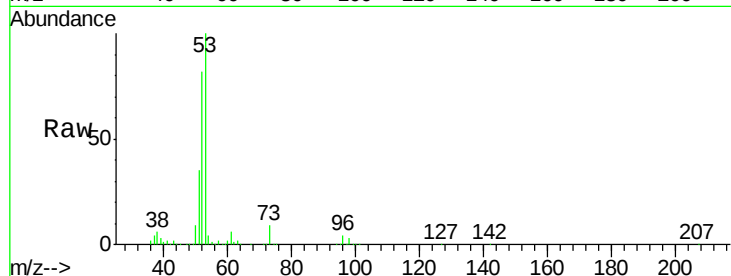
Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 3921121

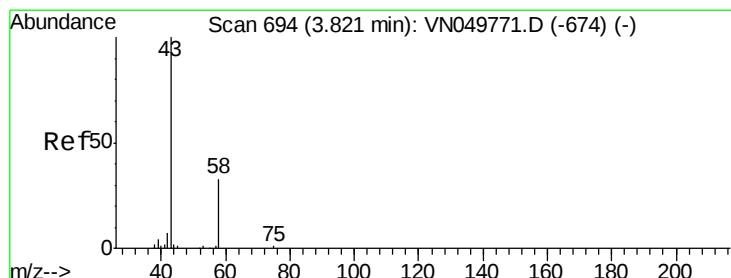
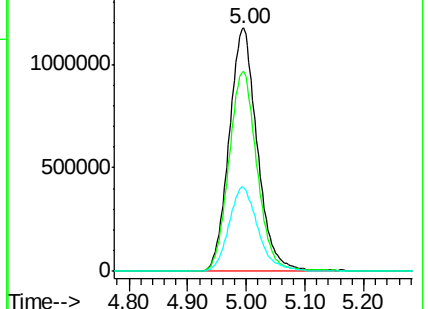
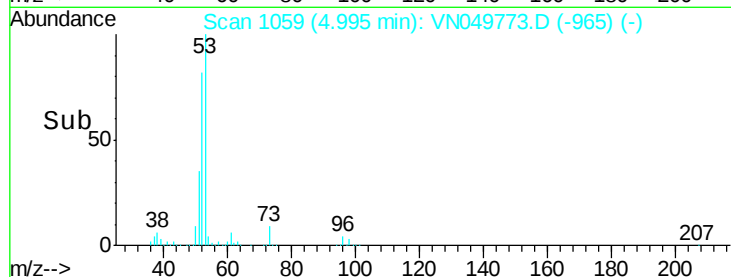
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.8	97.2
51	35.9	28.9	43.3



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

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

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



#16

Acetone

Concen: 753.194 ug/l

RT: 3.82 min Scan# 694

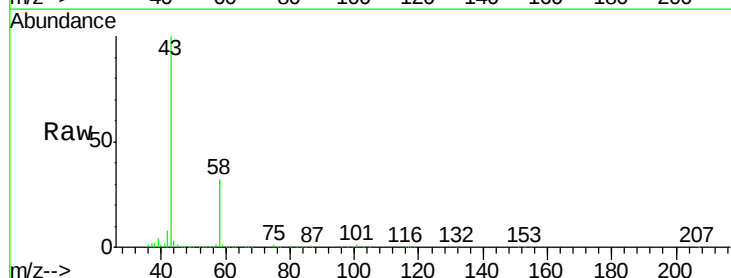
Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

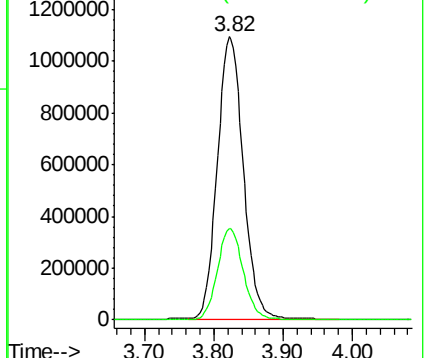
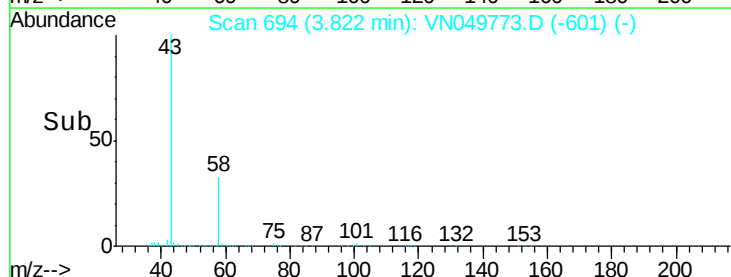
Tgt Ion: 43 Resp: 2836966

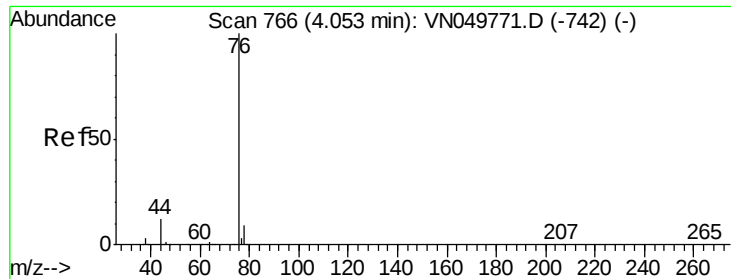
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.9	38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049773.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN049773.D (-674) (-)

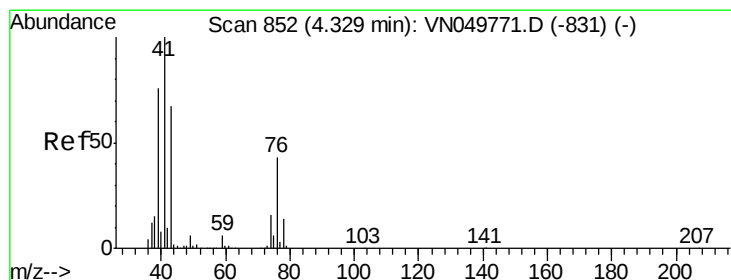
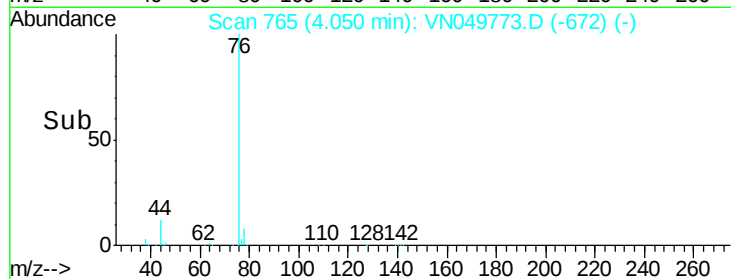
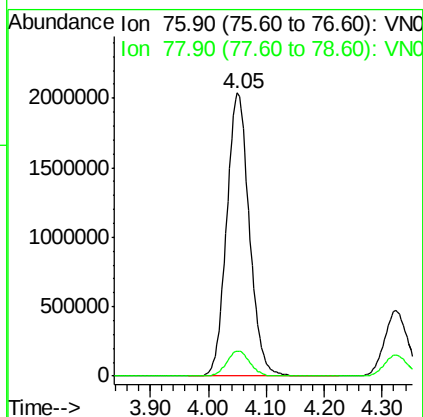
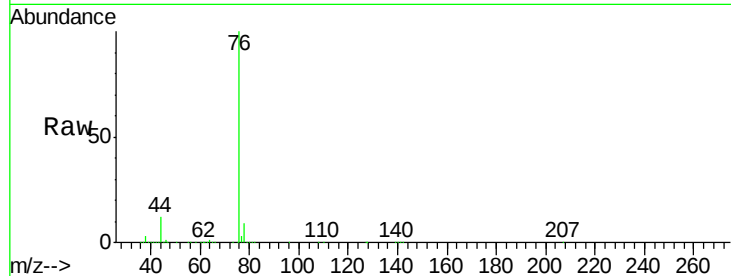




#17
Carbon Disulfide
Concen: 151.636 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

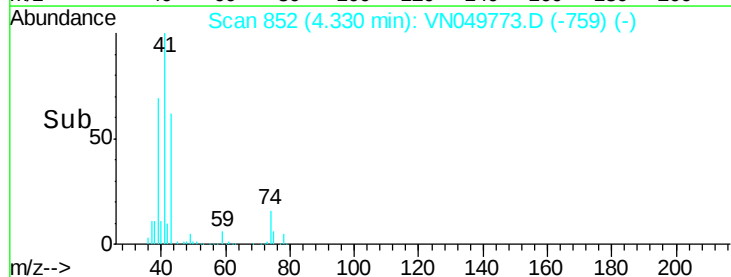
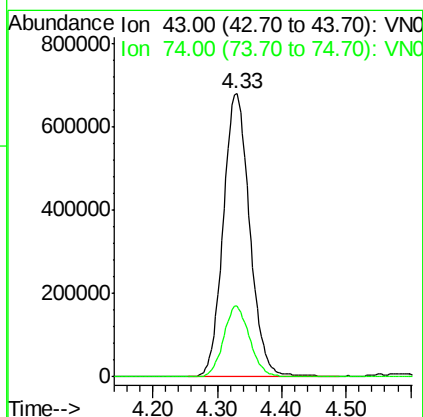
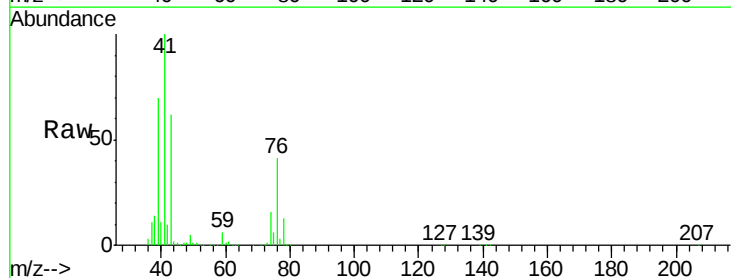
Instrument :
MSVOA_N
ClientSampled :

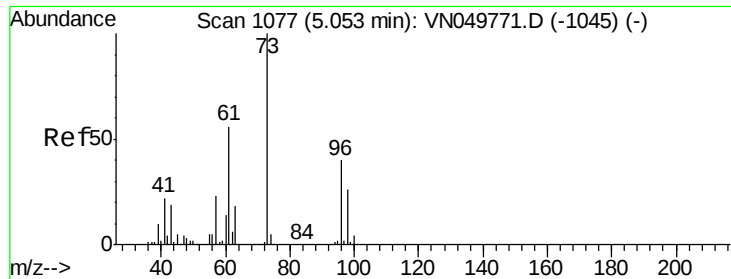
Tot Ion: 76 Resp: 5524786
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 152.019 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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

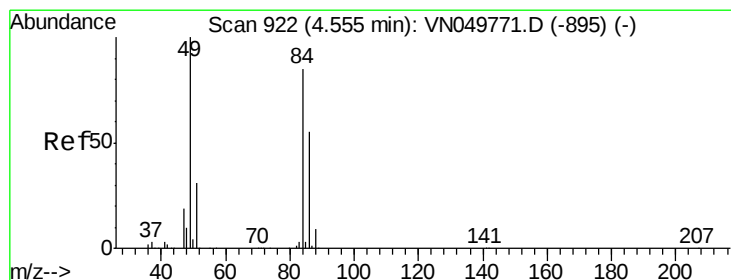
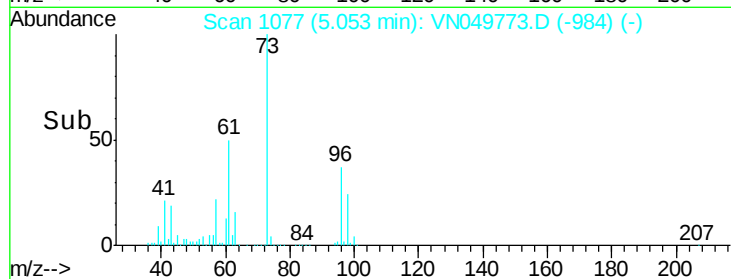
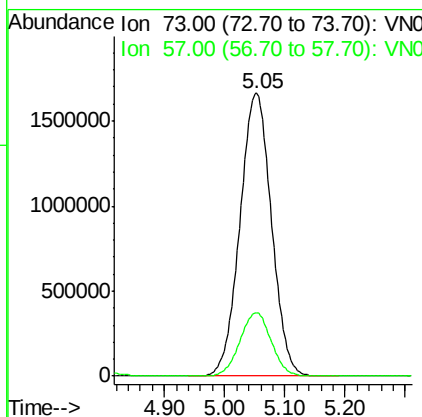
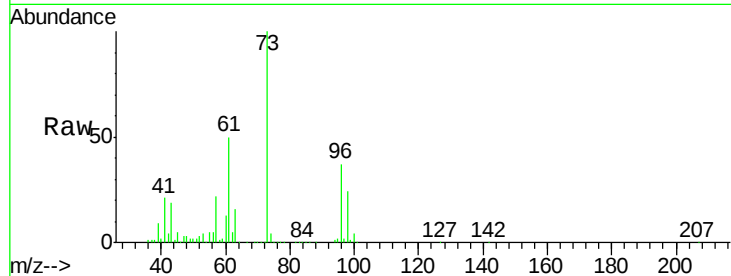




#19
Methvl tert-butvl Ether
Concen: 153.324 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

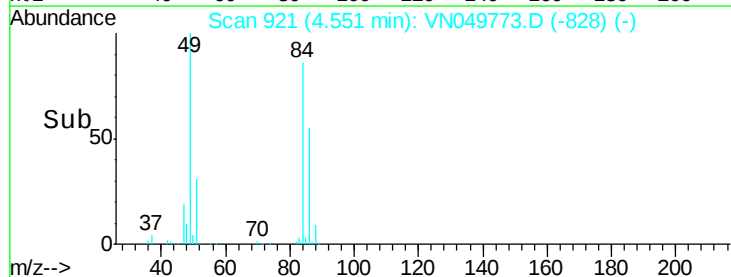
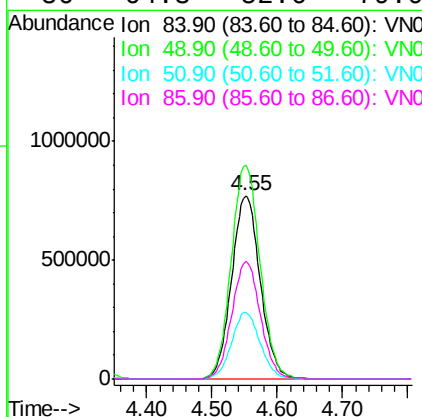
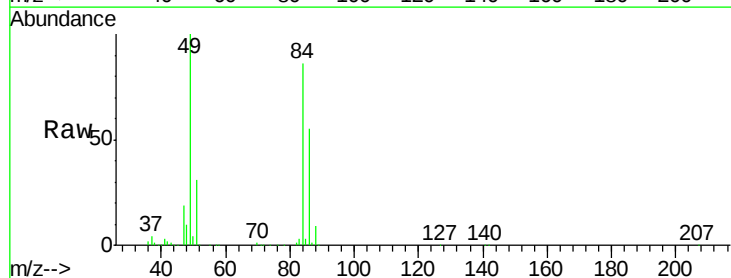
Instrument :
MSVOA_N
ClientSampled :

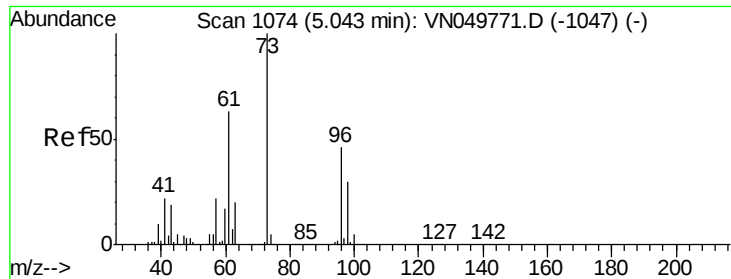
Tot Ion: 73 Resp: 6084512
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1



#20
Methylene Chloride
Concen: 150.831 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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





#21

trans-1,2-Dichloroethene

Concen: 141.353 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

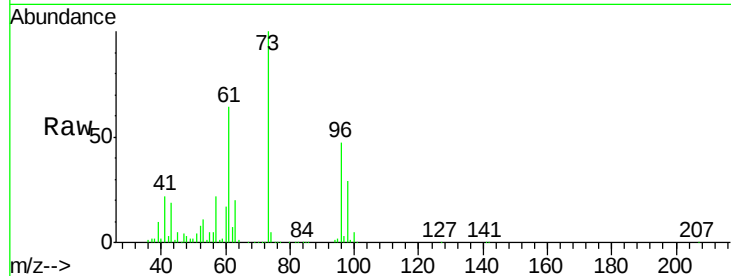
Tot Ion: 96 Resp: 2210364

Ion Ratio Lower Upper

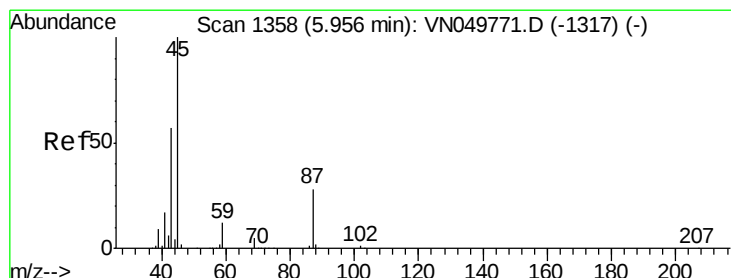
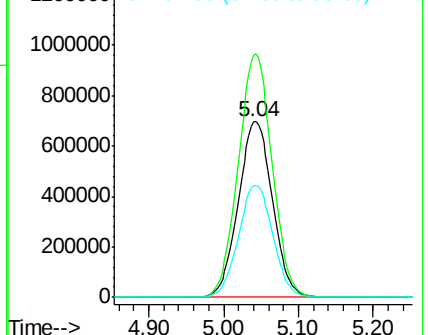
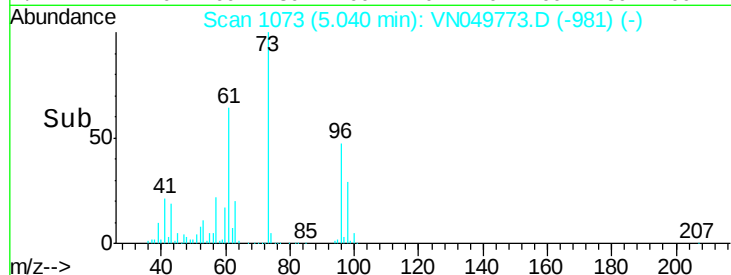
96 100

61 137.8 109.0 163.6

98 63.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049773.D (-981) (-)



#22

Diisopropyl ether

Concen: 154.038 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion: 45 Resp: 7387290

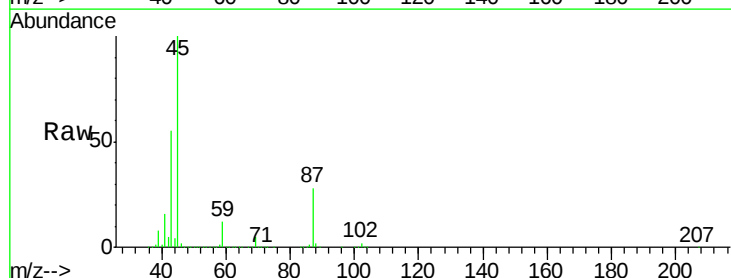
Ion Ratio Lower Upper

45 100

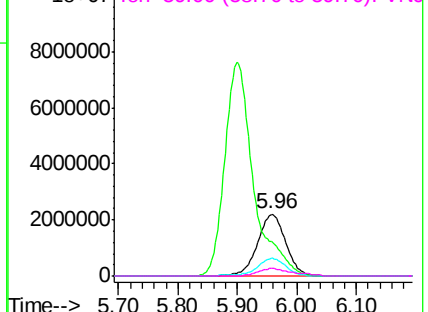
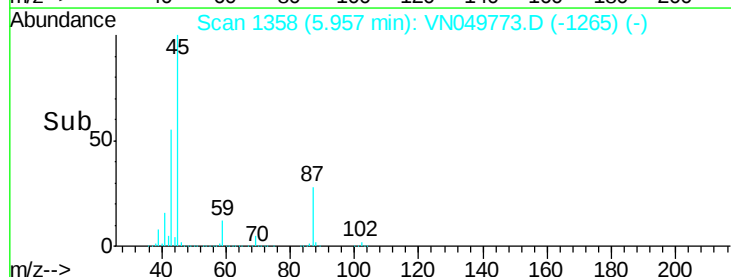
43 54.9 48.1 72.1

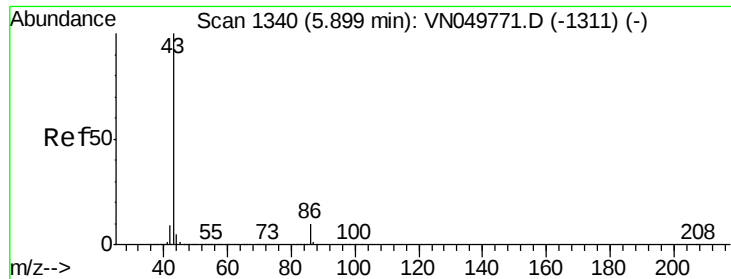
87 28.1 22.6 34.0

59 11.7 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN049773.D (-1265) (-)





#23

Vinyl Acetate

Concen: 796.702 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

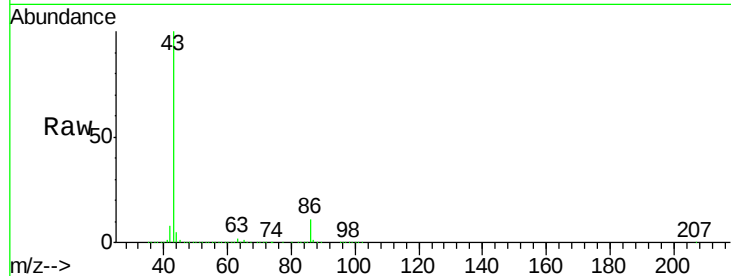
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 25604790

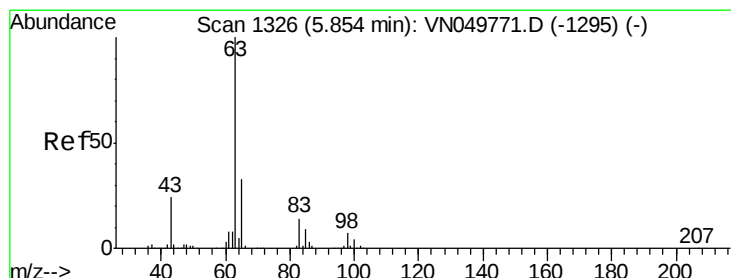
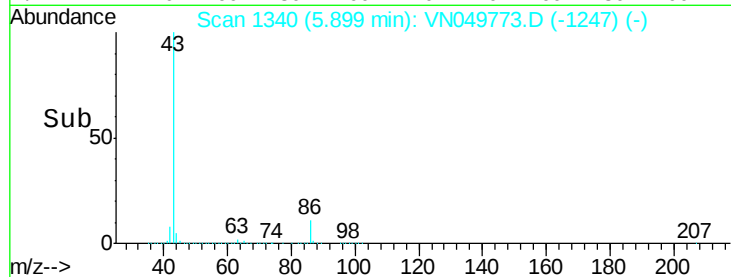
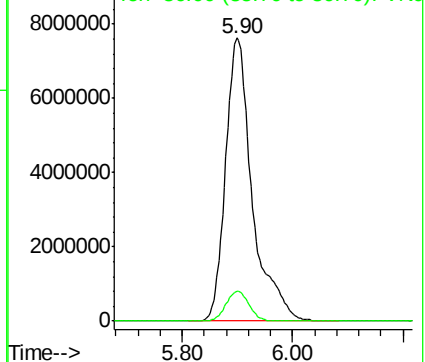
Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049773.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 142.081 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

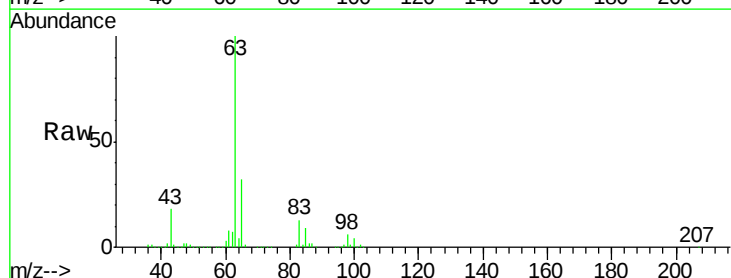
Tgt Ion: 63 Resp: 4280673

Ion Ratio Lower Upper

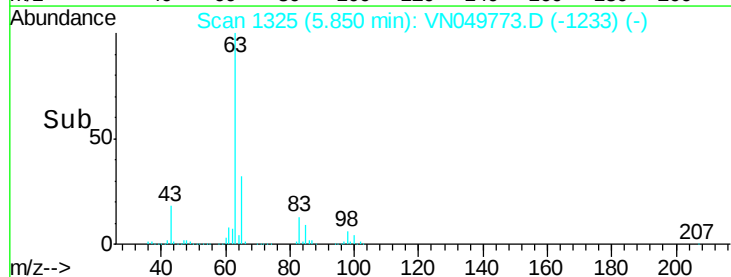
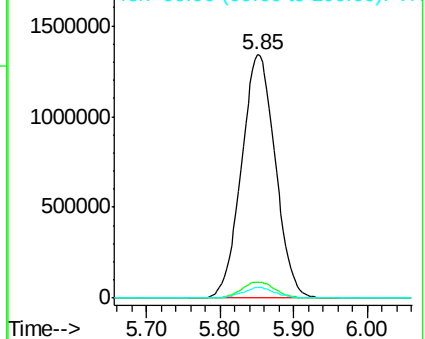
63 100

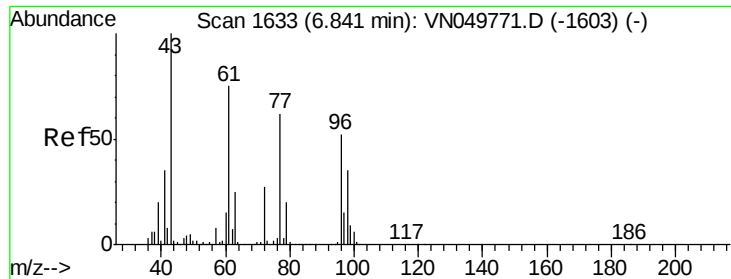
98 6.5 3.4 10.2

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049773.D (-1233) (-)

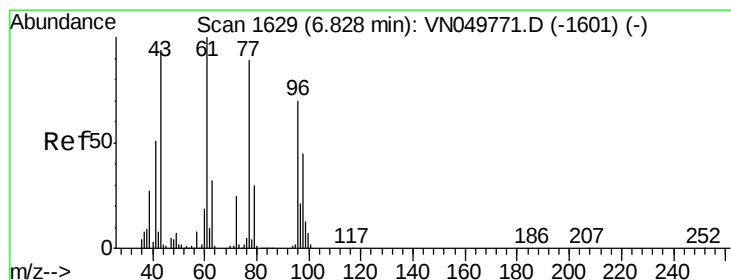
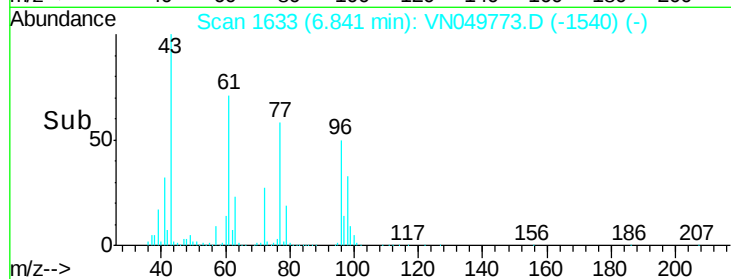
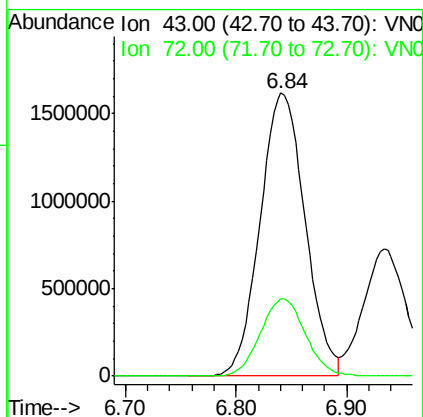
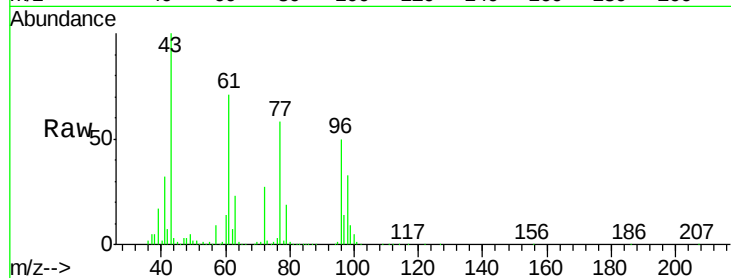




#25
2-Butanone
Concen: 760.924 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

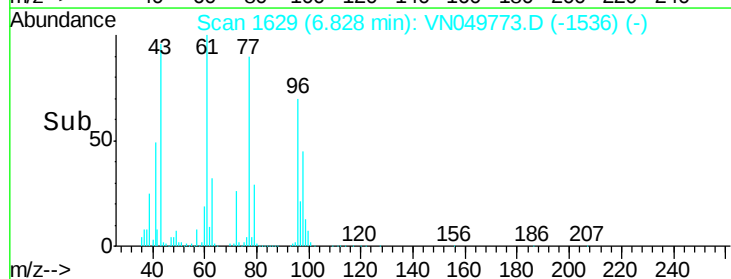
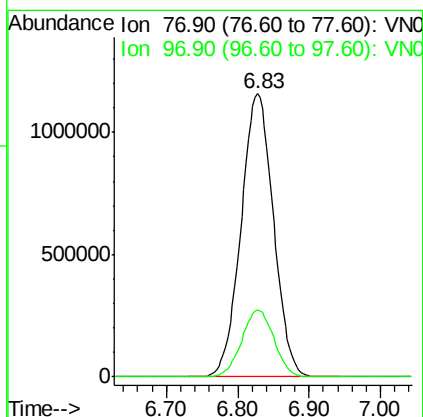
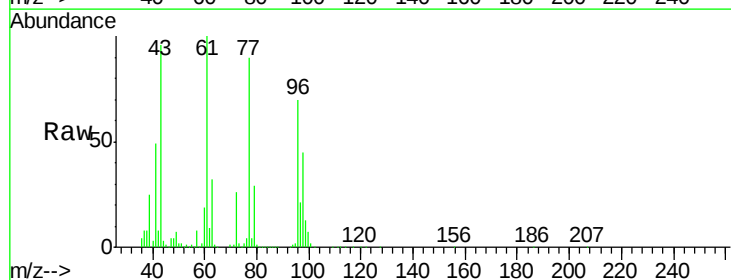
Instrument :
MSVOA_N
ClientSampled :

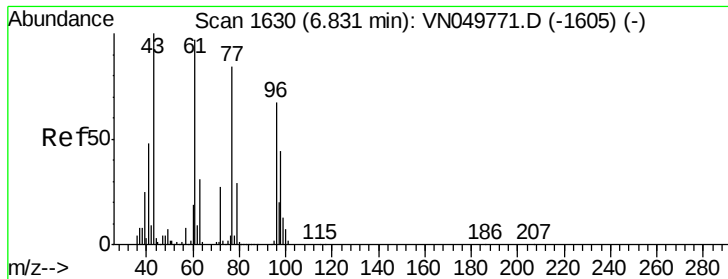
Tot Ion: 43 Resp: 4563402
Ion Ratio Lower Upper
43 100
72 27.3 22.1 33.1



#26
2,2-Dichloropropane
Concen: 146.124 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 77 Resp: 3653909
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.5



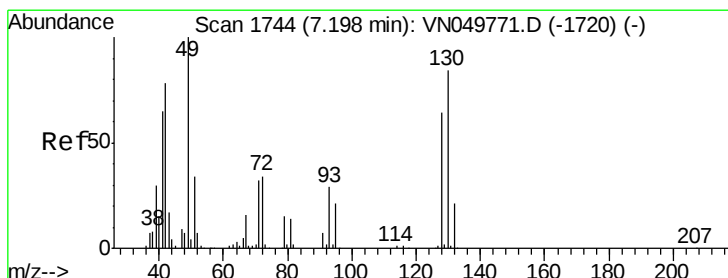
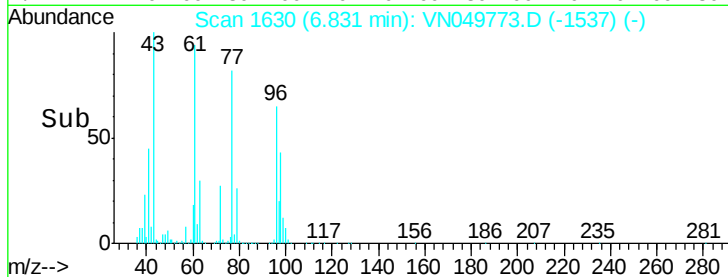
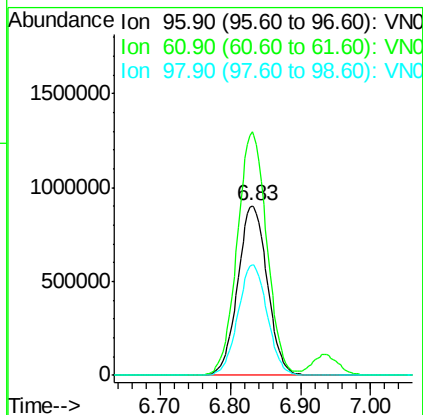
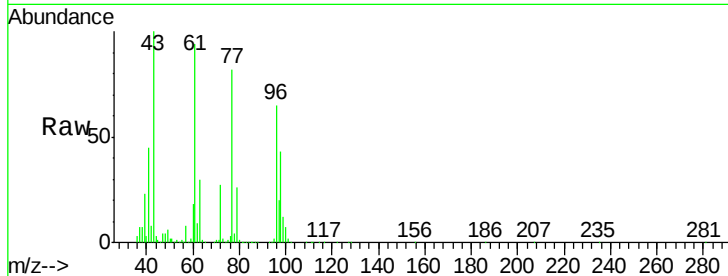


#27

cis-1,2-Dichloroethene
 Concen: 146.859 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :

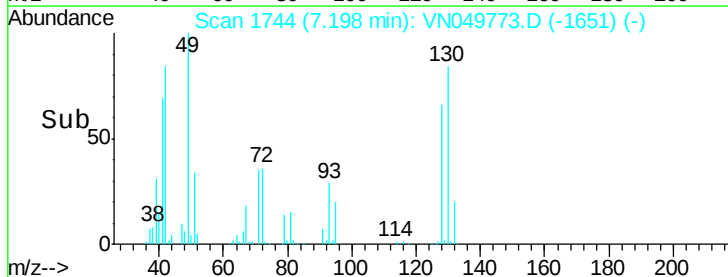
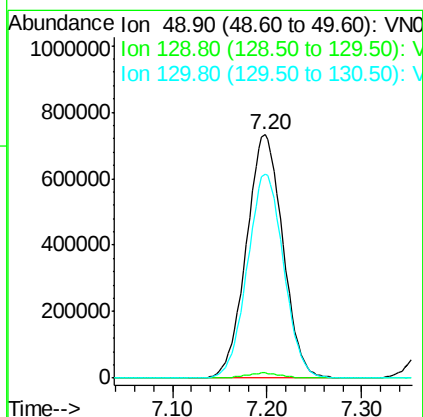
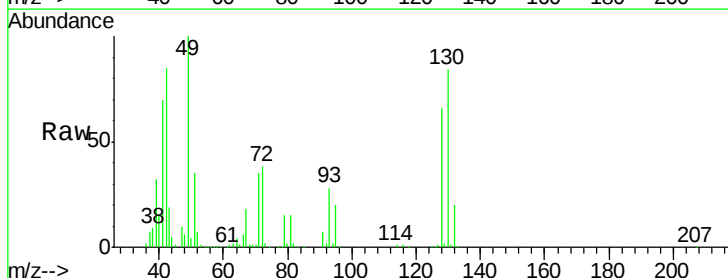
Tot Ion: 96 Resp: 2626361
 Ion Ratio Lower Upper
 96 100
 61 144.1 0.0 289.0
 98 65.1 0.0 130.2

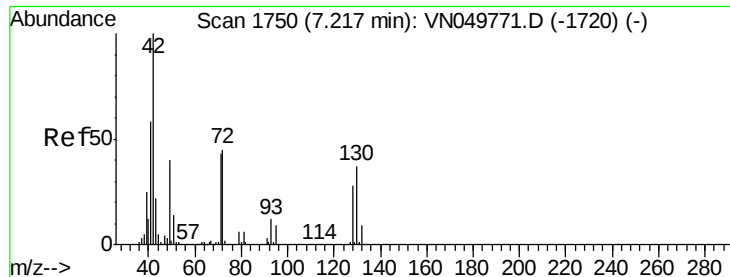


#28

Bromochloromethane
 Concen: 143.074 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 49 Resp: 1960563
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.5 65.5 98.3





#29

Tetrahydrofuran

Concen: 774.546 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

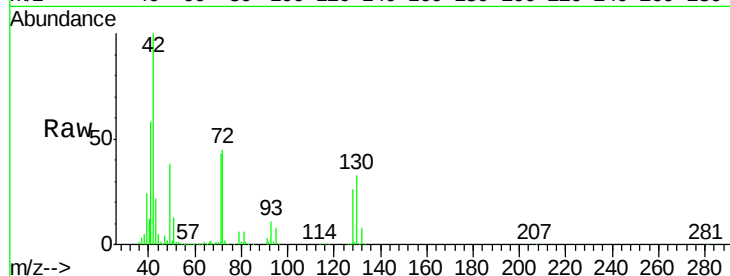
Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 2916885

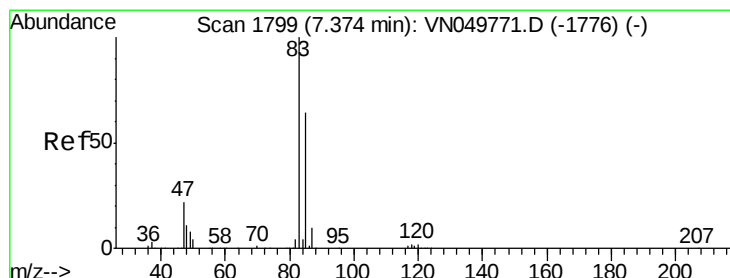
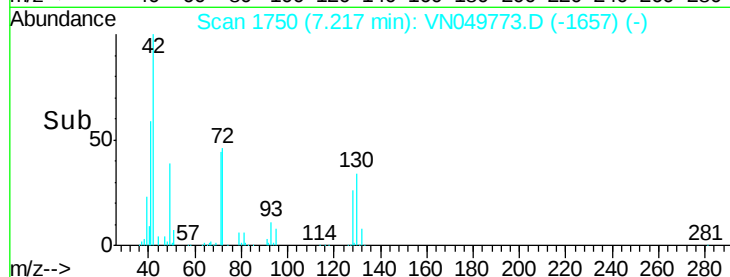
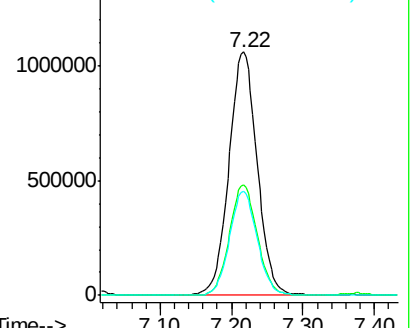
Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.6	53.4
71	41.9	34.0	51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 140.446 ug/l

RT: 7.37 min Scan# 1799

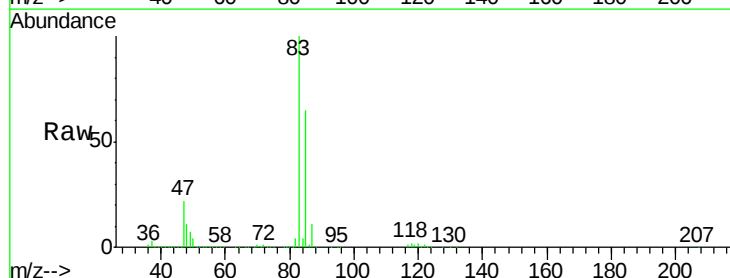
Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

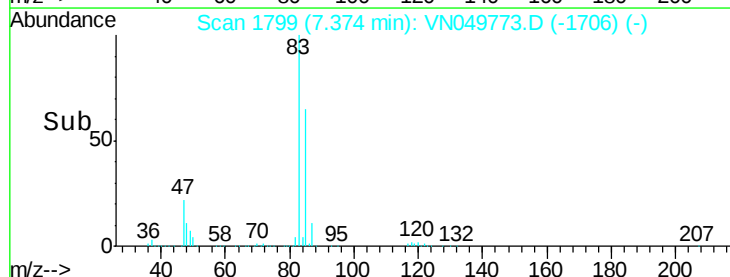
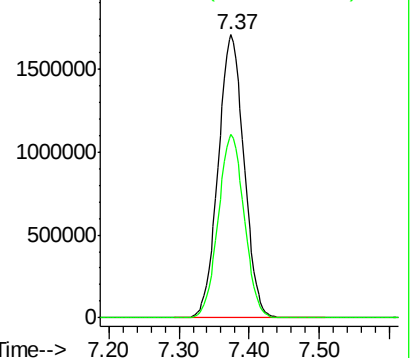
Tgt Ion: 83 Resp: 4359892

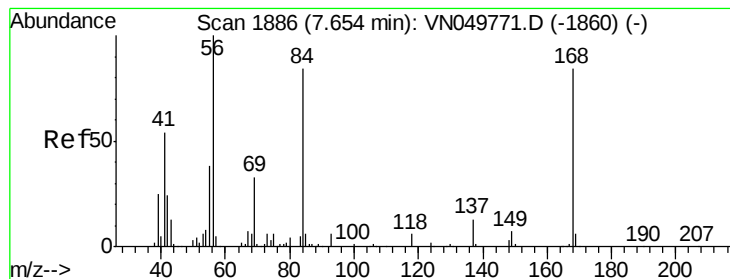
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 152.099 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

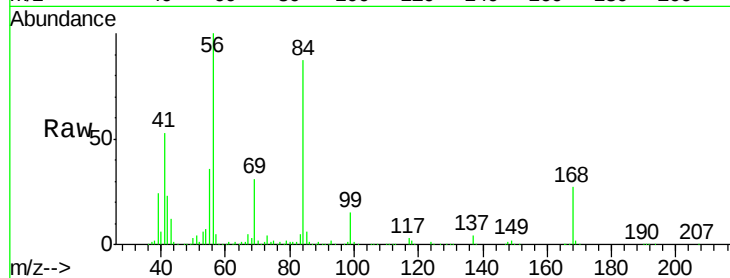
Tot Ion: 56 Resp: 3634723

Ion Ratio Lower Upper

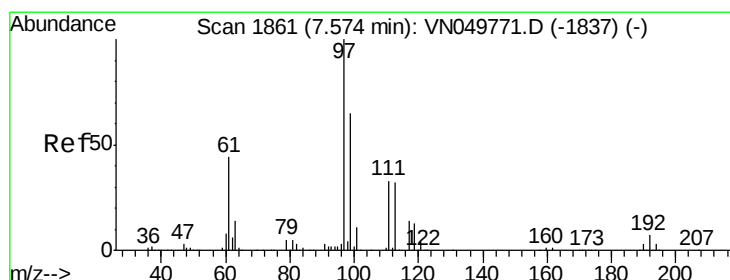
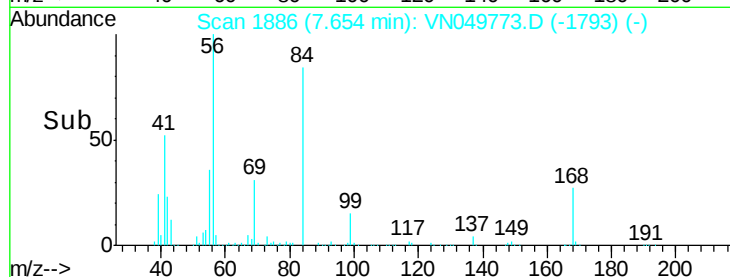
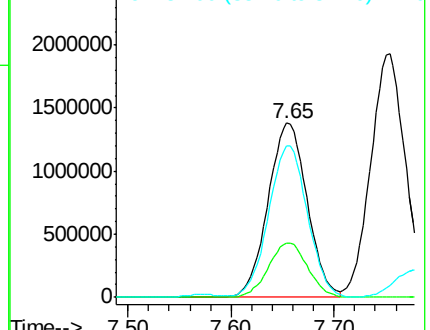
56 100

69 31.5 26.6 40.0

84 85.6 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 142.799 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

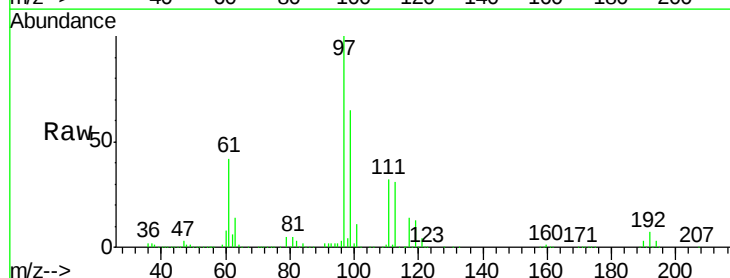
Tgt Ion: 97 Resp: 3764848

Ion Ratio Lower Upper

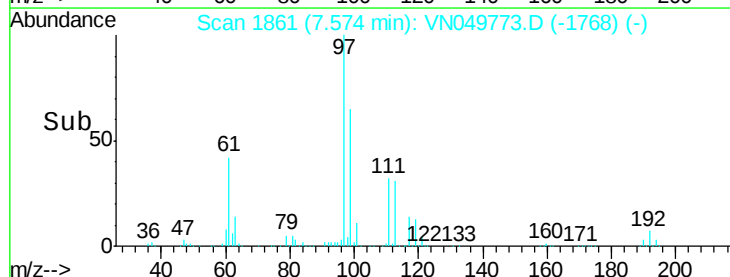
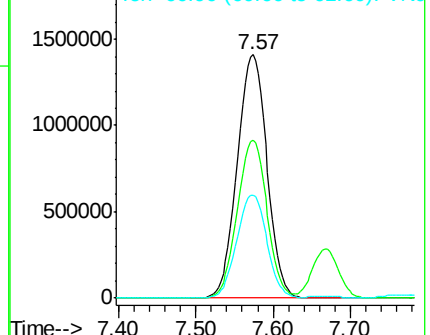
97 100

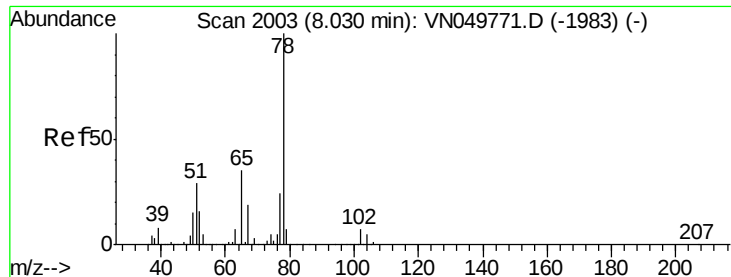
99 64.7 51.0 76.4

61 43.0 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 144.289 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

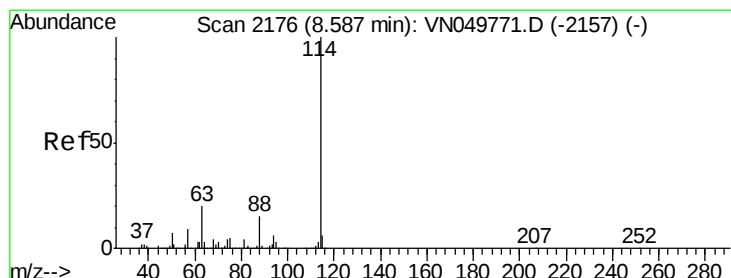
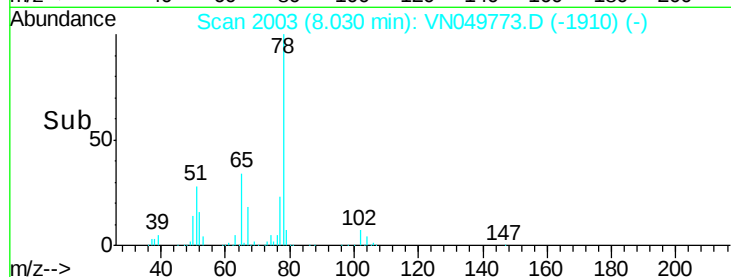
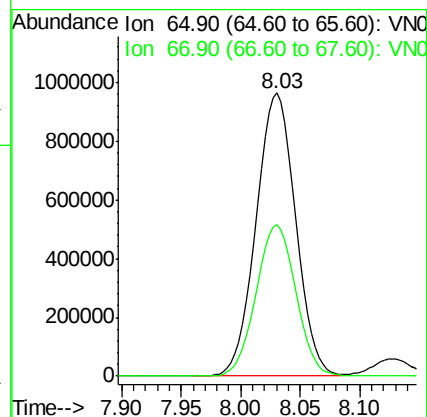
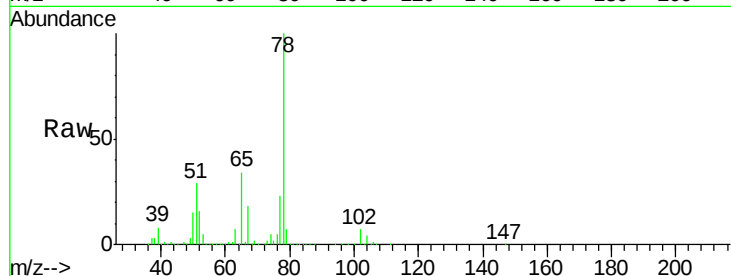
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 2220538

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

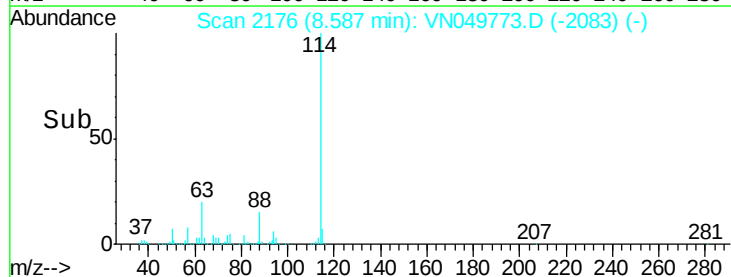
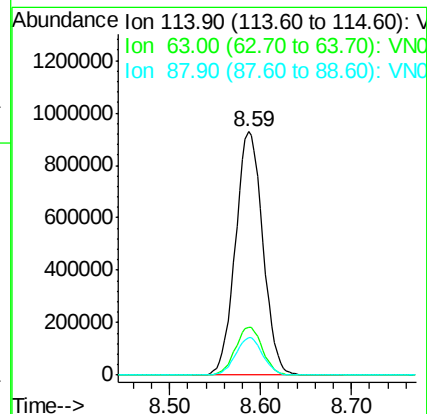
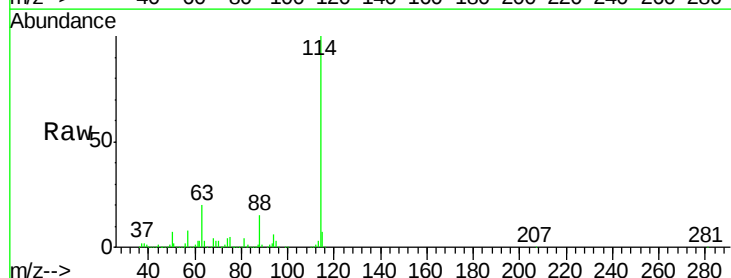
Tgt Ion: 114 Resp: 1932994

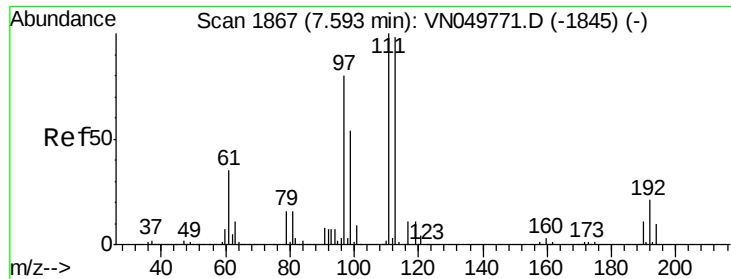
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

88 15.4 0.0 30.6

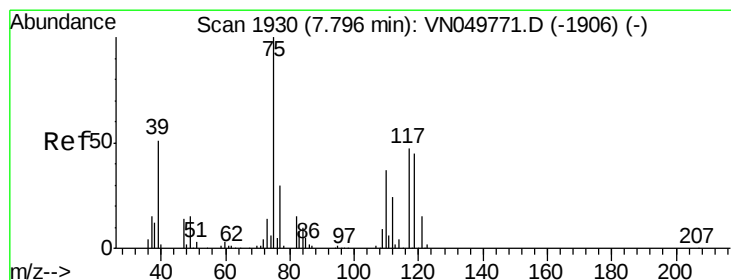
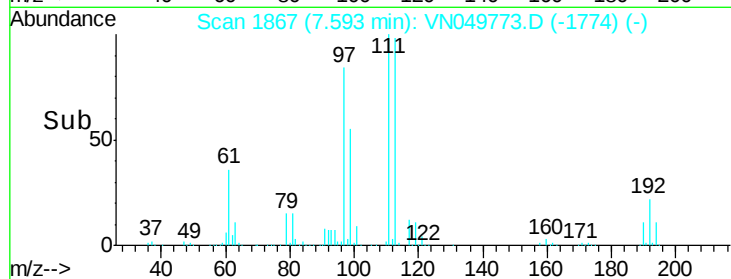
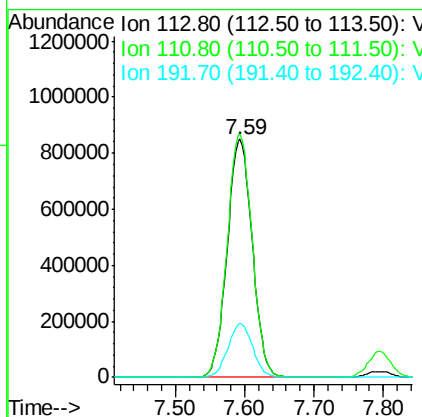
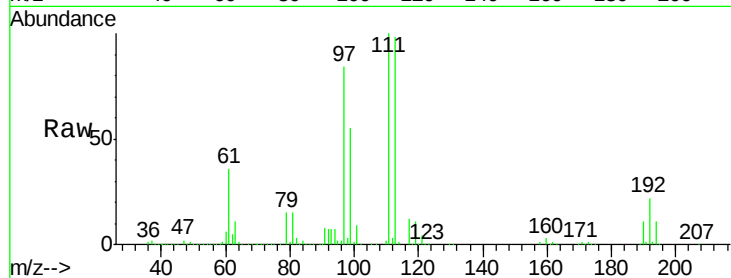




#35
 Dibromofluoromethane
 Concen: 147.393 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

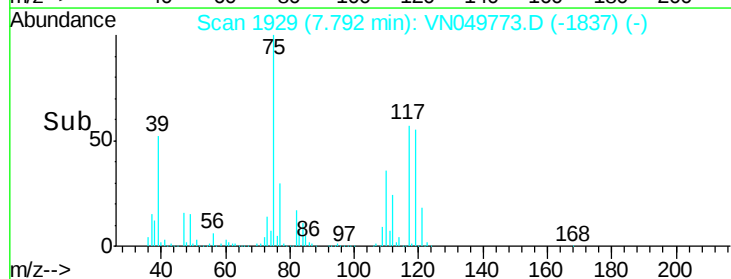
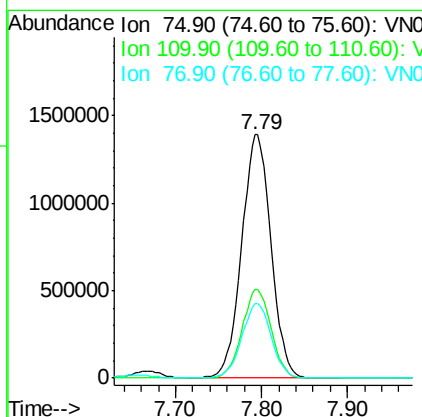
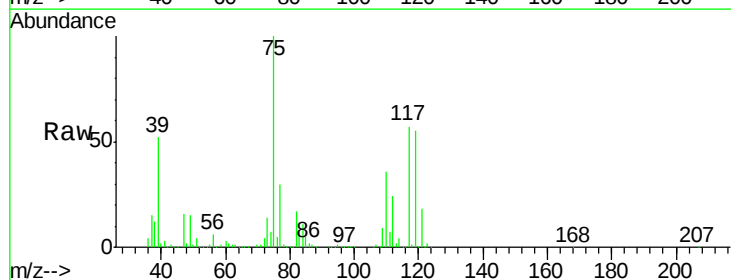
Instrument :
 MSVOA_N
 ClientSampleId :

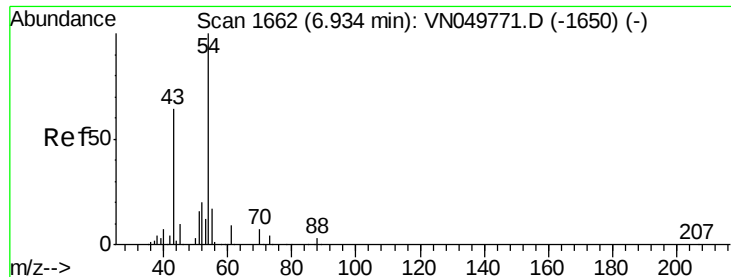
Tot Ion:113 Resp: 2147587
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 147.389 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion: 75 Resp: 3283164
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.4
 77 30.9 24.9 37.3

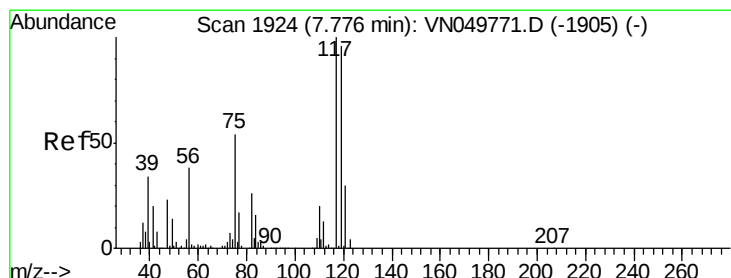
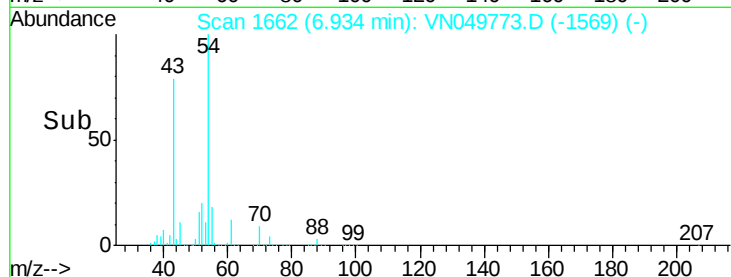
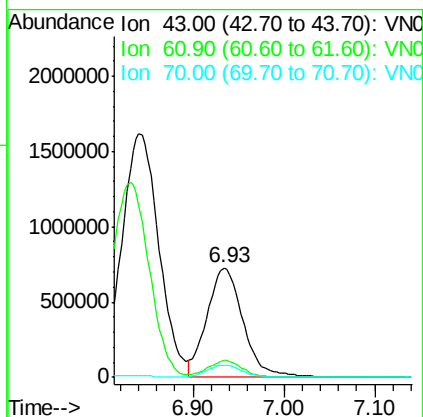
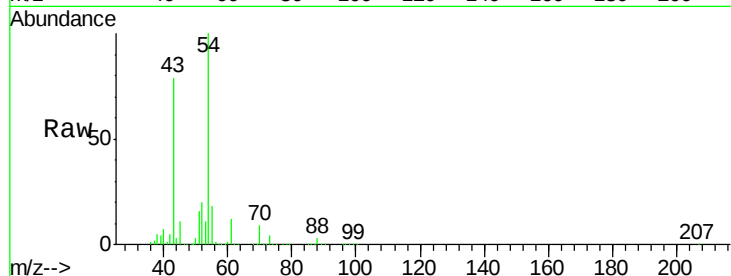




#37
Ethyl Acetate
Concen: 150.422 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

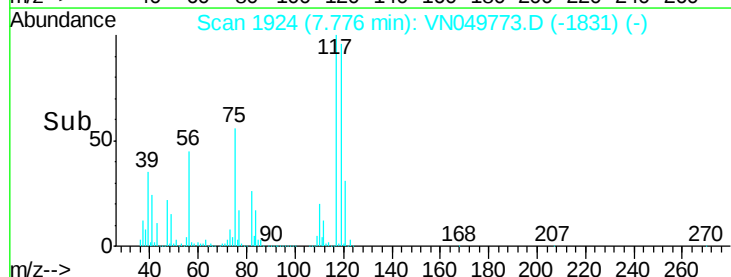
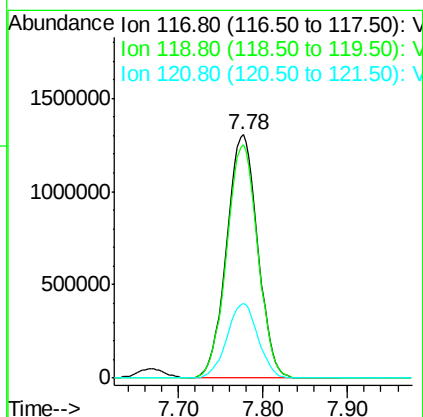
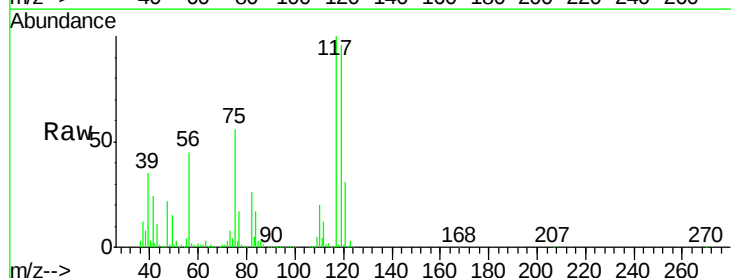
Instrument :
MSVOA_N
ClientSampled :

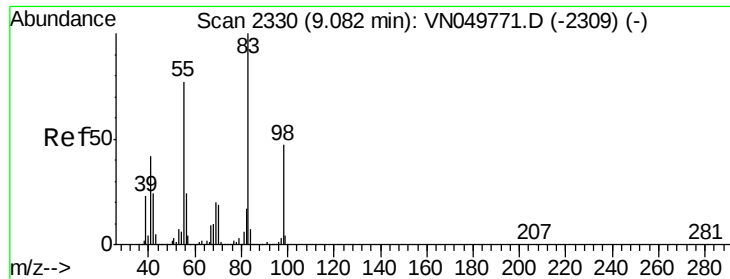
Tot Ion: 43 Resp: 1983325
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 143.025 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 117 Resp: 3330474
Ion Ratio Lower Upper
117 100
119 96.0 77.2 115.8
121 30.6 25.0 37.6

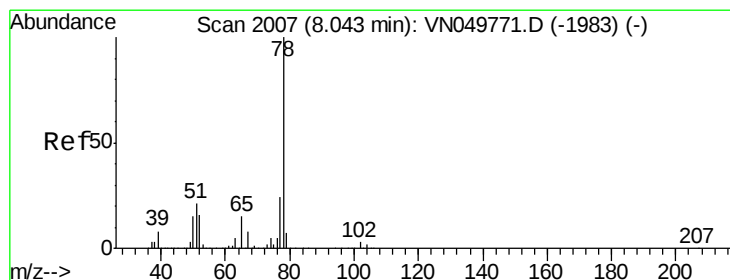
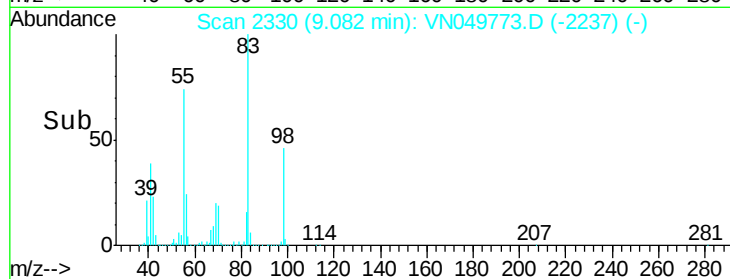
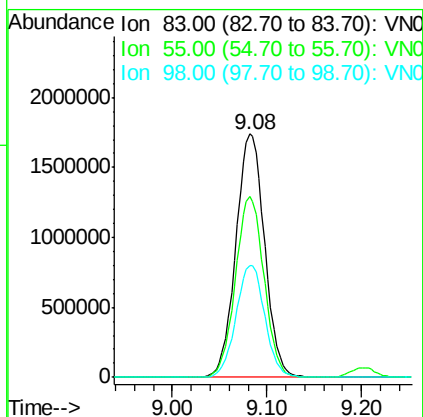
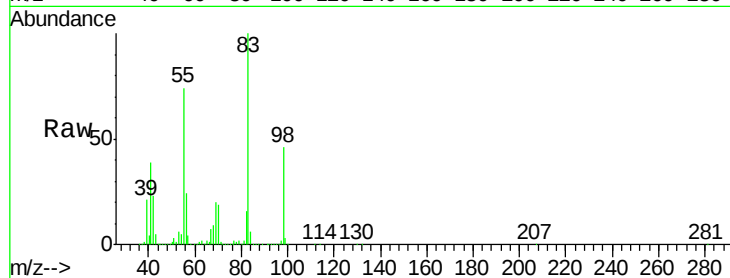




#39
Methvlcvclohexane
Concen: 155.918 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

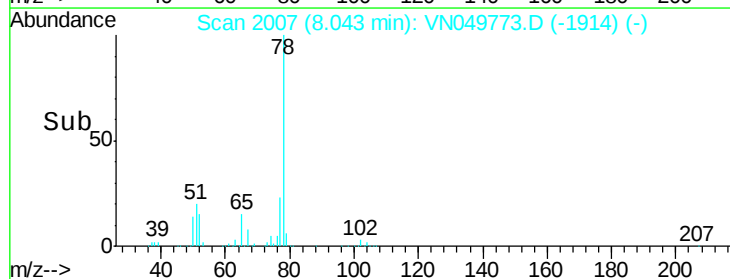
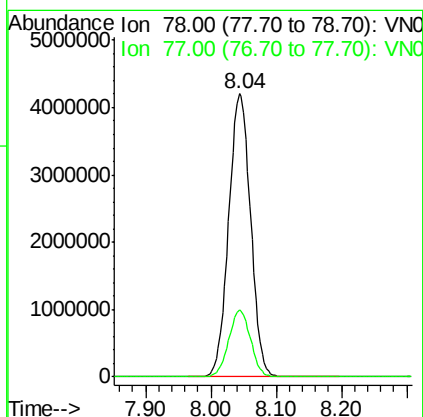
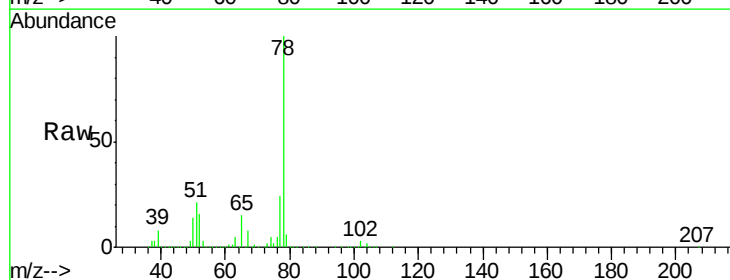
Instrument :
MSVOA_N
ClientSampled :

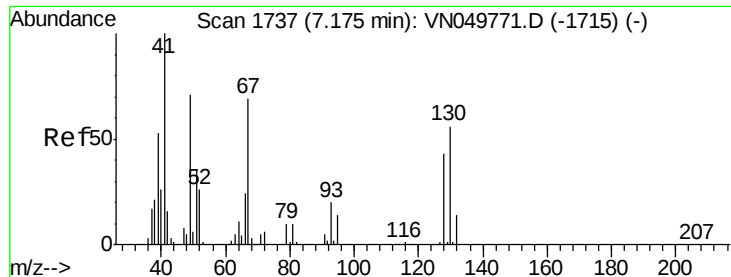
Tot Ion: 83 Resp: 3660866
Ion Ratio Lower Upper
83 100
55 74.4 59.7 89.5
98 46.2 36.5 54.7



#40
Benzene
Concen: 146.209 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 78 Resp: 9742921
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



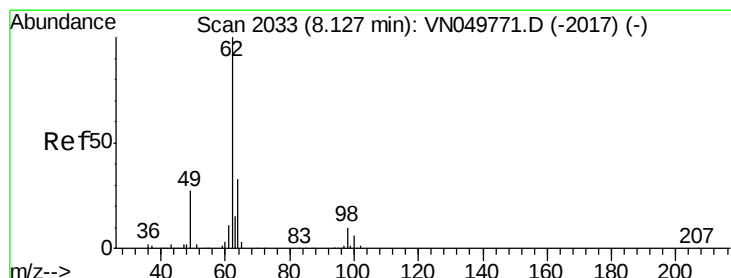
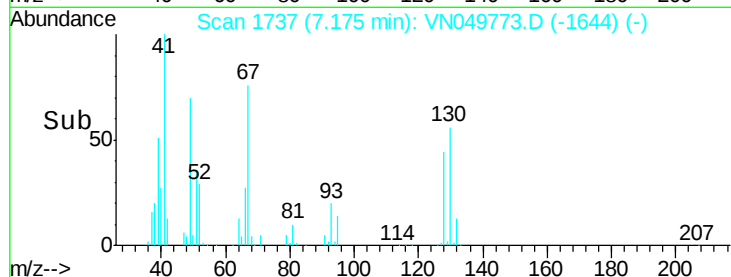
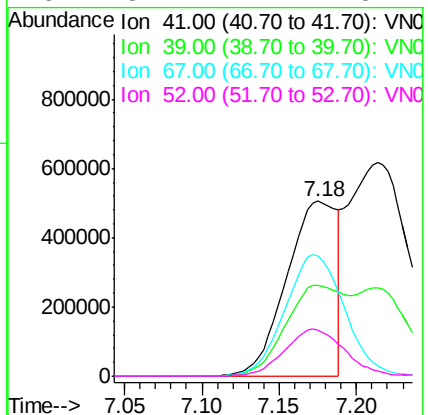
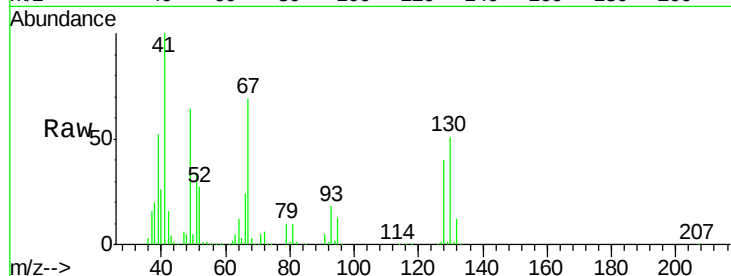


#41
Methacrylonitrile
Concen: 152.442 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1136954

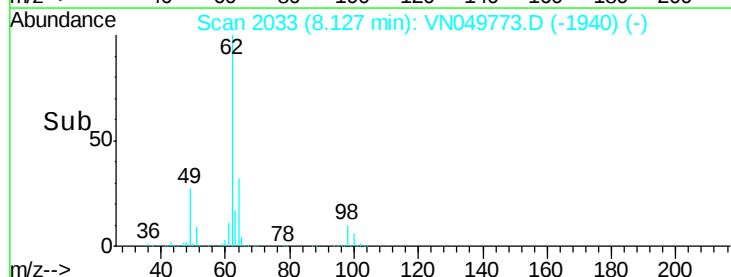
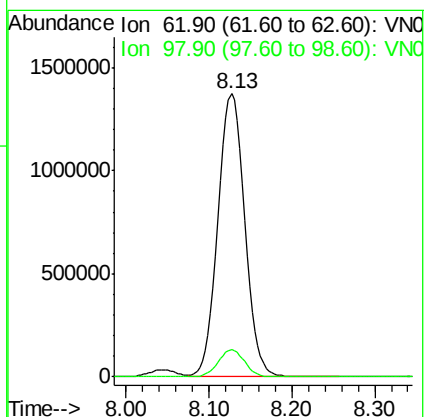
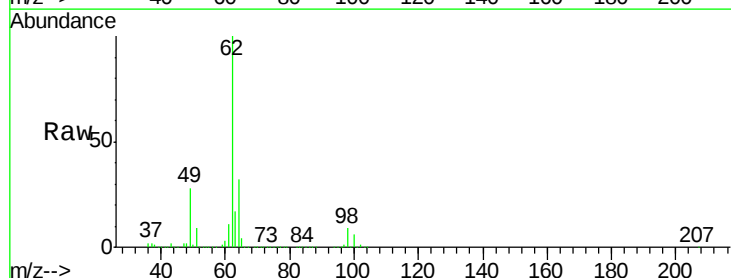
Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.4	68.2
67	82.8	65.4	98.0
52	32.1	24.7	37.1

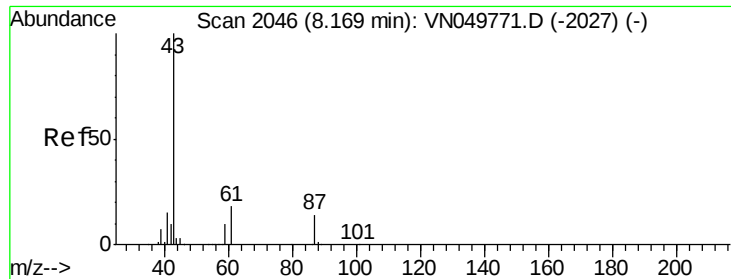


#42
1,2-Dichloroethane
Concen: 142.115 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 62 Resp: 3097679

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 154.678 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

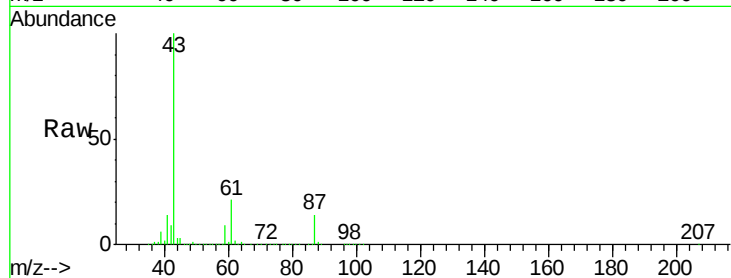
Tot Ion: 43 Resp: 3665793

Ion Ratio Lower Upper

43 100

61 20.7 14.9 22.3

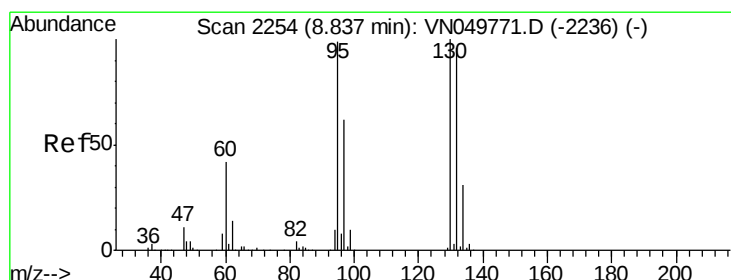
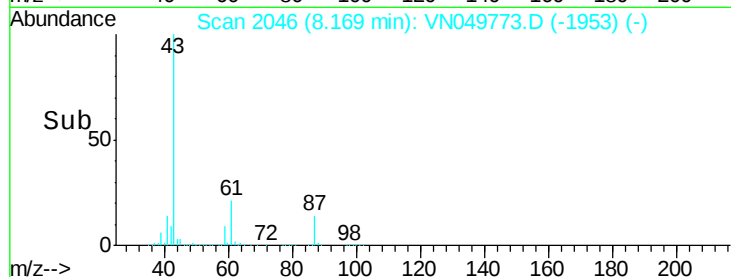
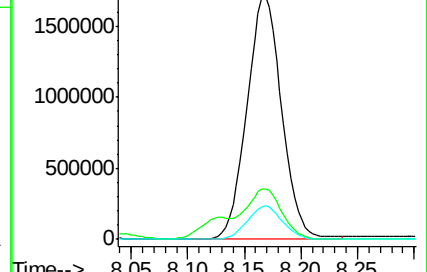
87 13.8 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049773.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049773.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049773.D (-1953) (-)



#44

Trichloroethene

Concen: 144.154 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049773.D

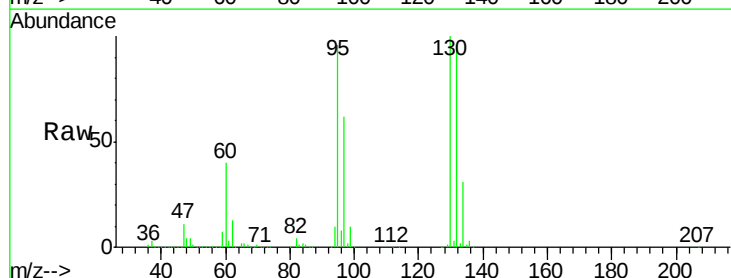
Acq: 12 Jul 2018 12:58

Tgt Ion:130 Resp: 2586522

Ion Ratio Lower Upper

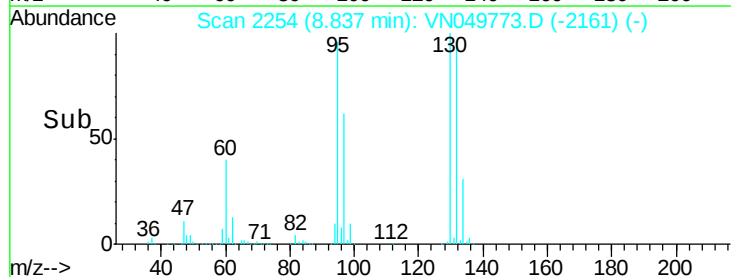
130 100

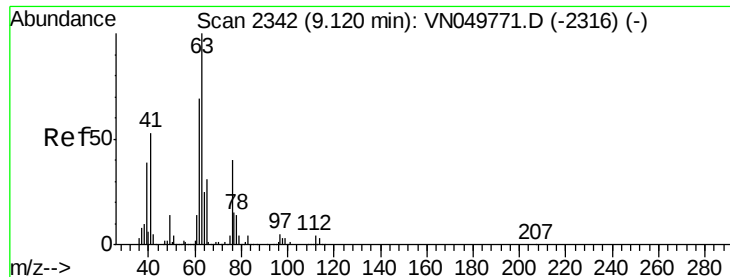
95 95.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049773.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049773.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 145.492 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

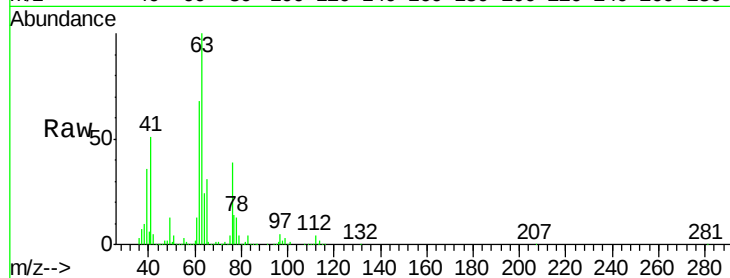
ClientSampled :

Tot Ion: 63 Resp: 2605516

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN049773.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049773.D (-2249) (-)

9.12

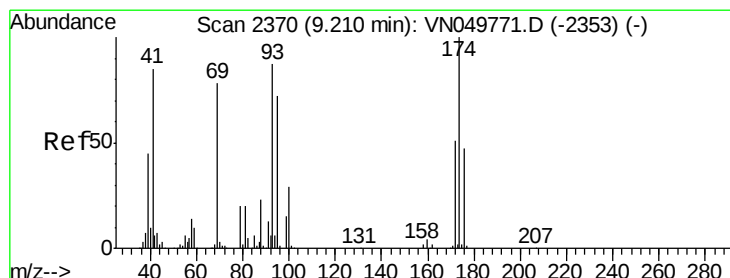
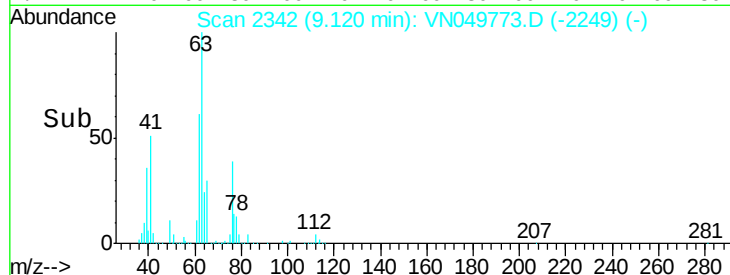
1500000

1000000

500000

0

Time-->



#46

Dibromomethane

Concen: 144.649 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

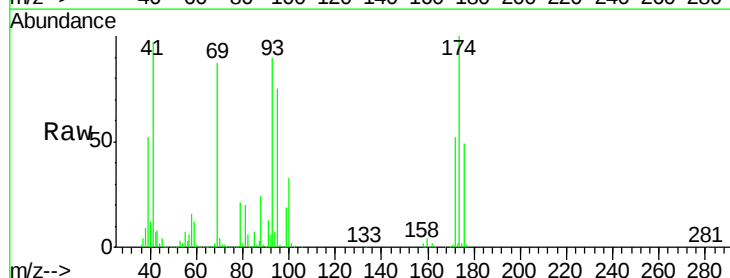
Tgt Ion: 93 Resp: 1538494

Ion Ratio Lower Upper

93 100

95 83.3 67.9 101.9

174 111.1 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049773.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049773.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049773.D (-2277) (-)

9.21

1000000

800000

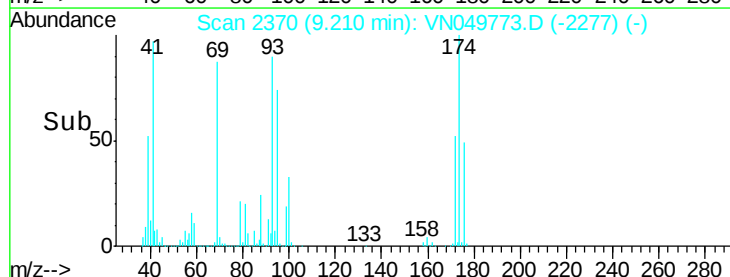
600000

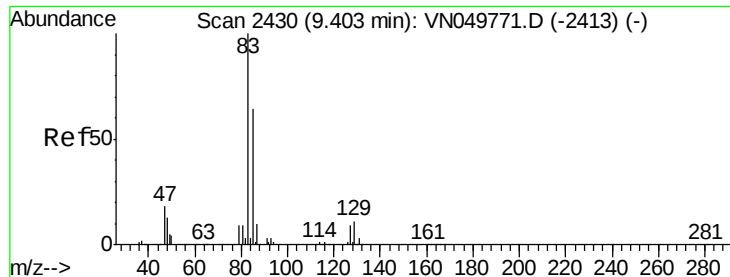
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 146.601 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :

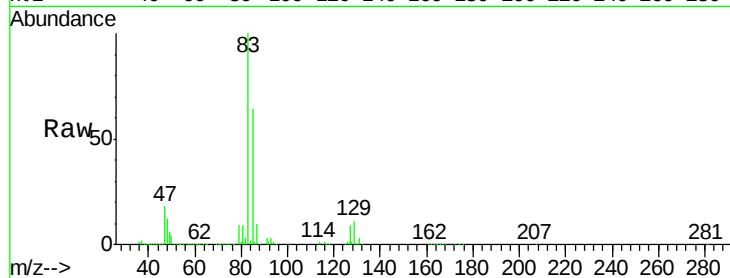
Tot Ion: 83 Resp: 3433633

Ion Ratio Lower Upper

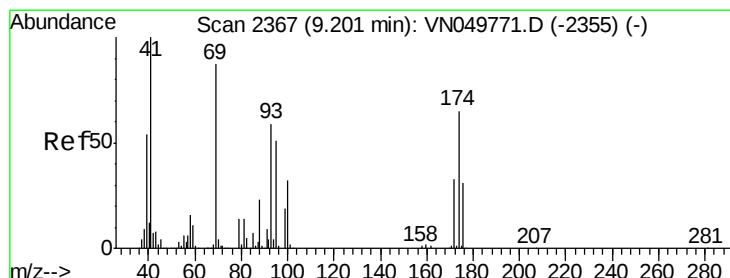
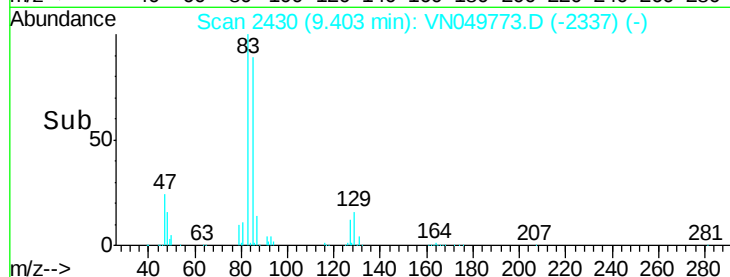
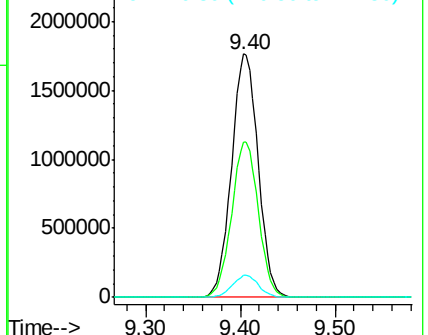
83 100

85 63.8 50.5 75.7

127 8.9 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 161.483 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

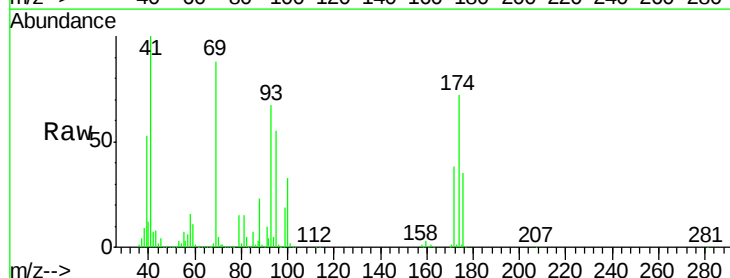
Tgt Ion: 41 Resp: 1913466

Ion Ratio Lower Upper

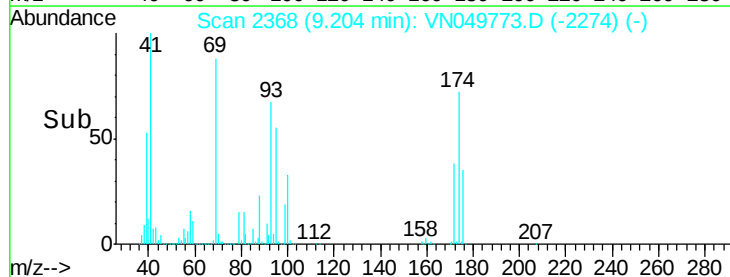
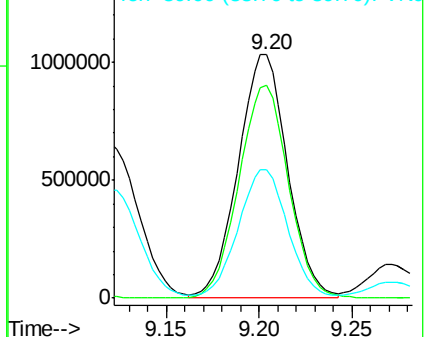
41 100

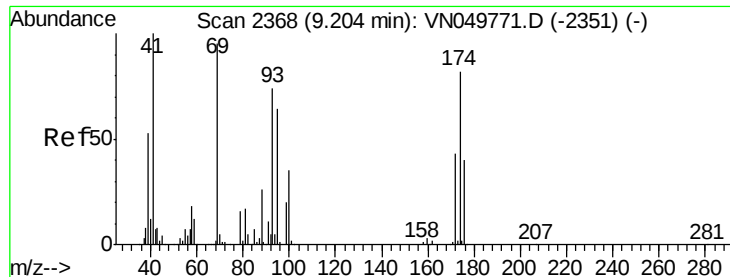
69 88.1 71.5 107.3

39 53.5 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

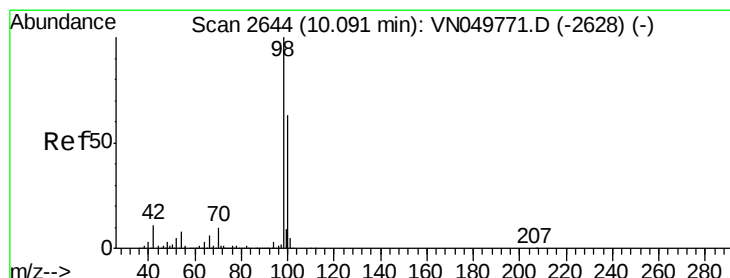
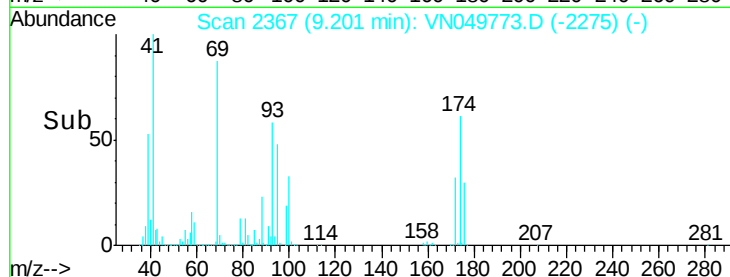
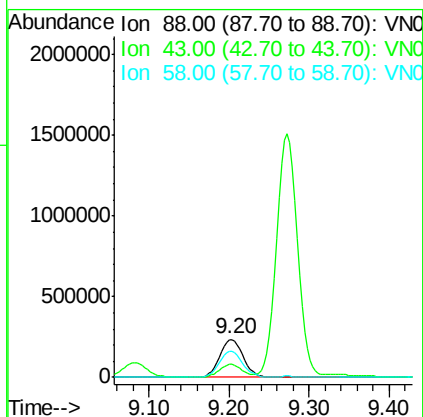
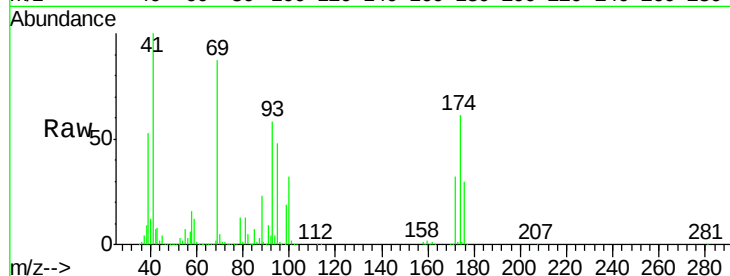




#49
 1,4-Dioxane
 Concen: 3107.356 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

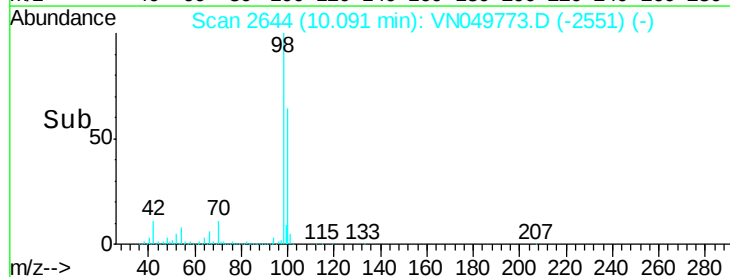
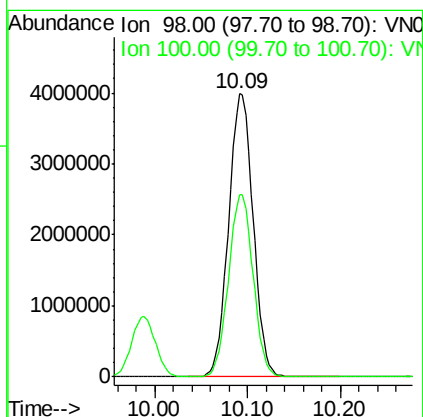
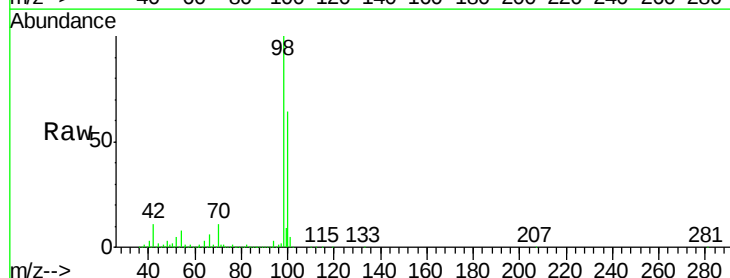
Instrument :
 MSVOA_N
 ClientSampled :

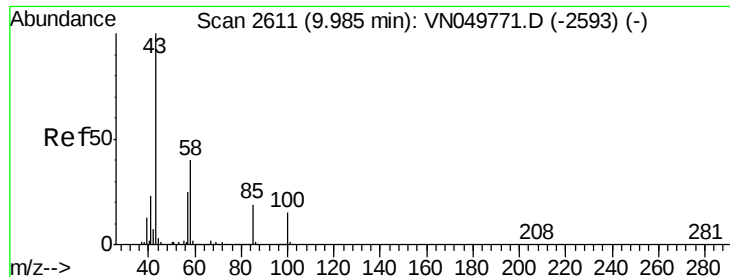
Tot Ion: 88 Resp: 482449
 Ion Ratio Lower Upper
 88 100
 43 32.2 25.1 37.7
 58 68.1 52.5 78.7



#50
 Toluene-d8
 Concen: 146.290 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

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

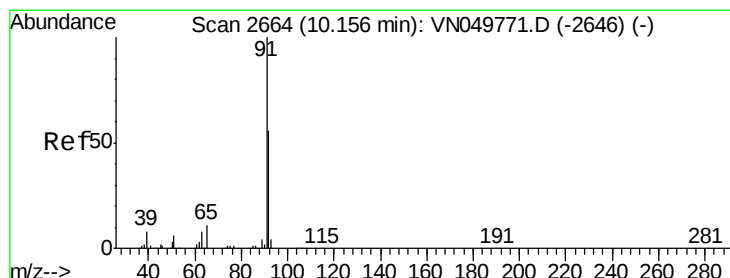
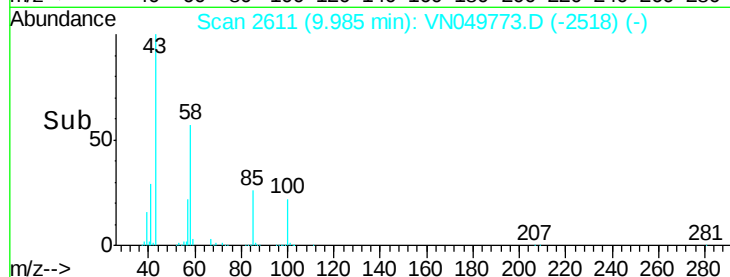
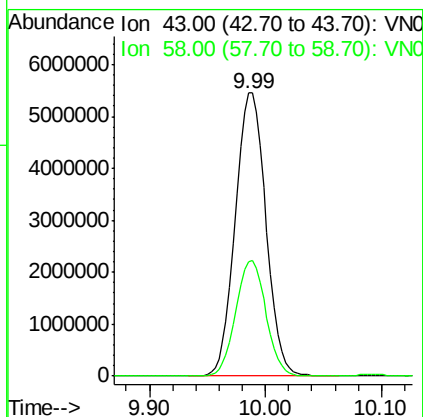
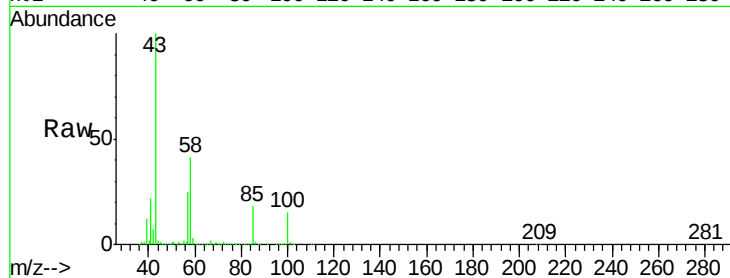




#51
4-Methyl-2-Pentanone
Concen: 773.580 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

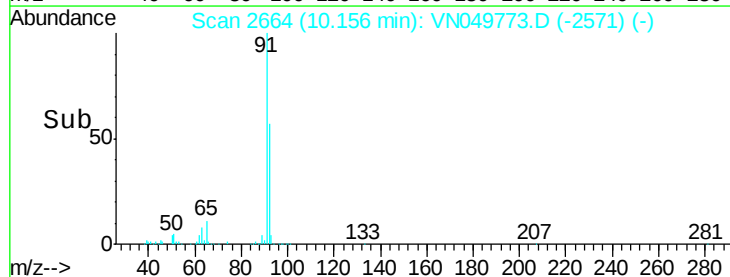
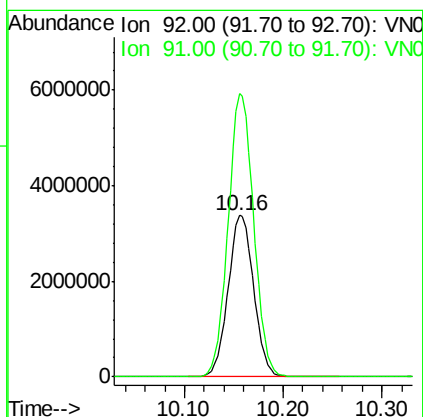
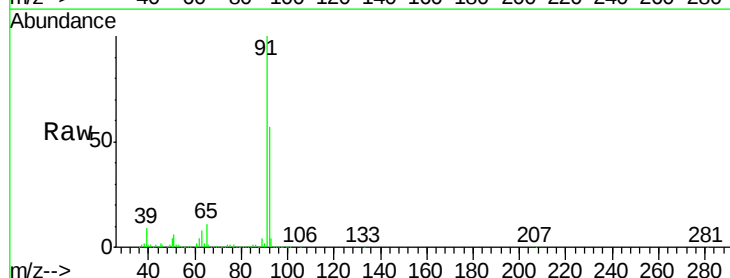
Instrument :
MSVOA_N
ClientSampled :

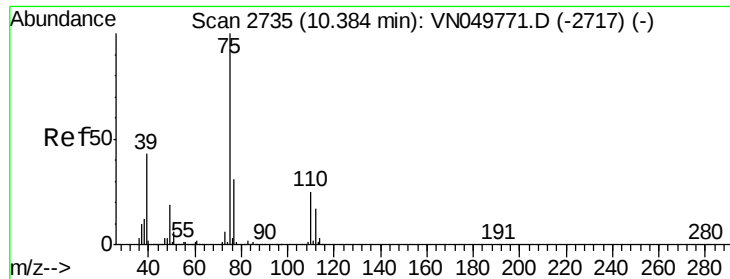
Tot Ion: 43 Resp: 9954235
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.8



#52
Toluene
Concen: 153.130 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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





#53

t-1,3-Dichloropropene

Concen: 163.731 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

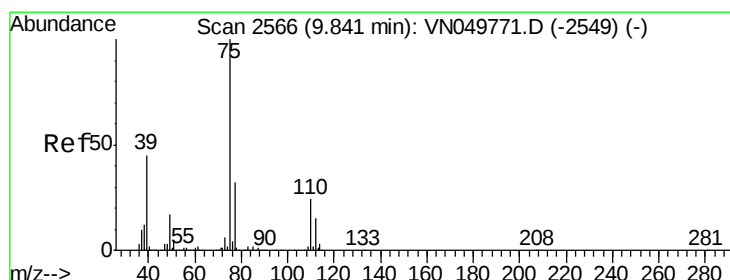
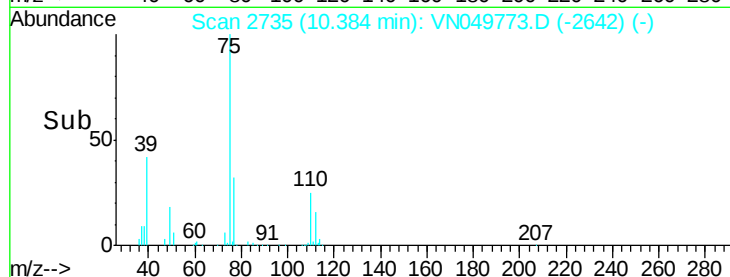
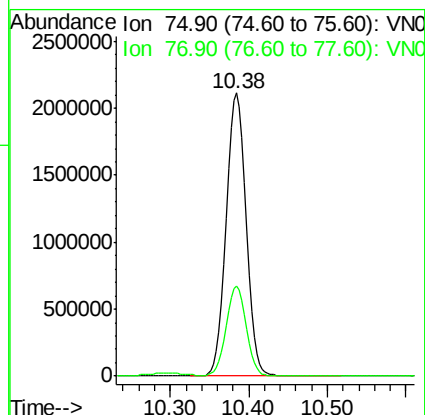
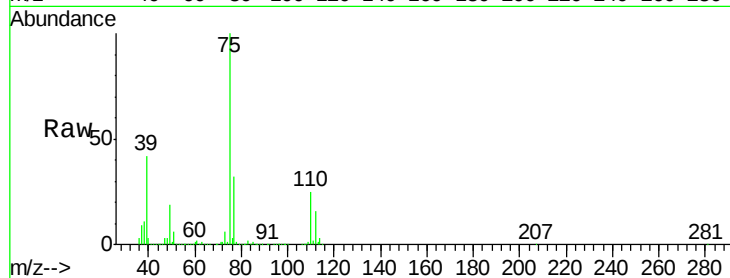
ClientSampleId :

Tot Ion: 75 Resp: 3688645

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 160.709 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

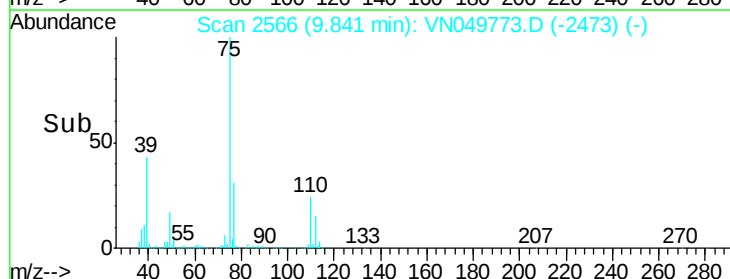
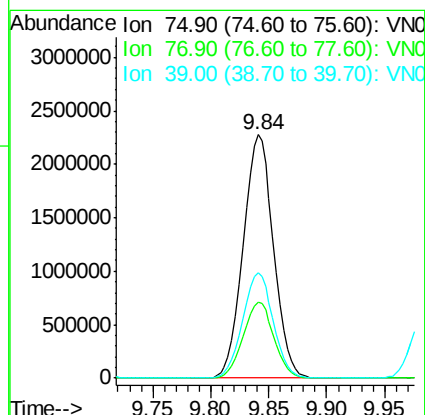
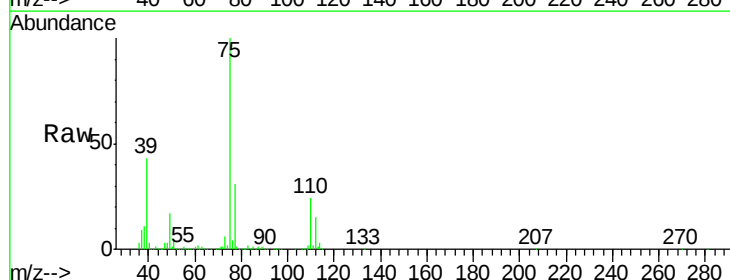
Tgt Ion: 75 Resp: 4123844

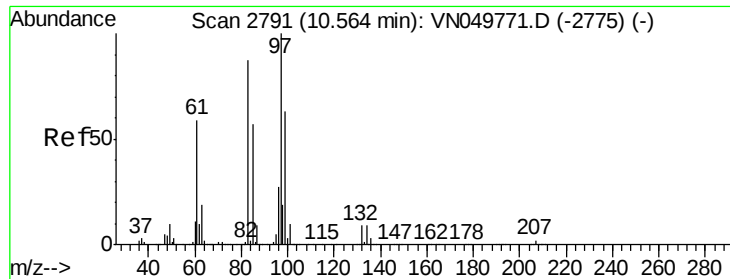
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 43.3 35.5 53.3

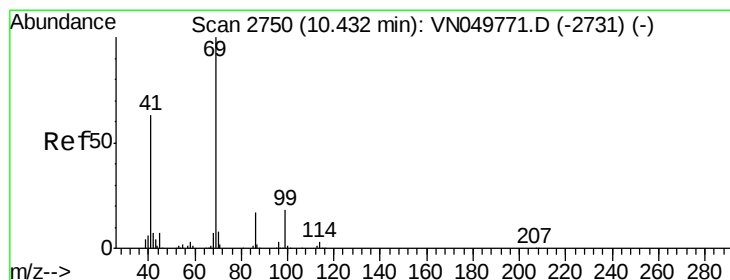
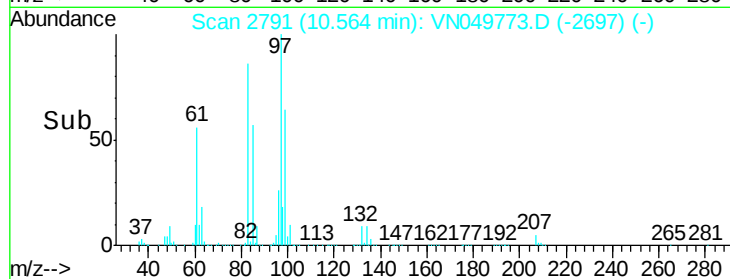
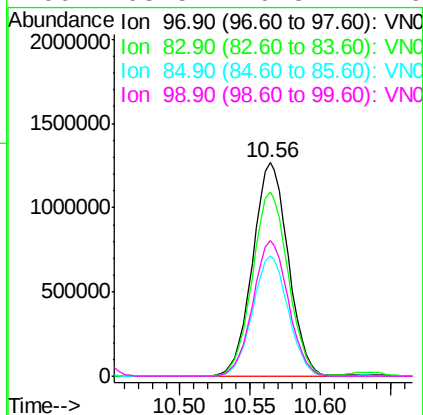
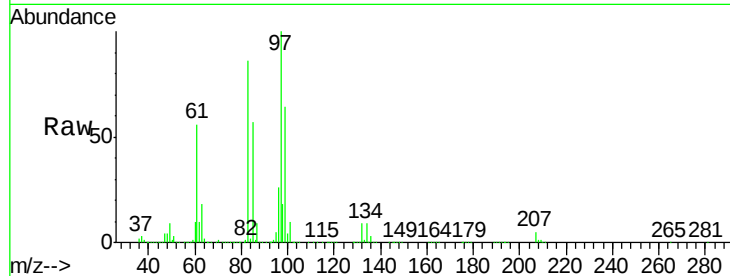




#55
 1,1,2-Trichloroethane
 Concen: 150.024 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

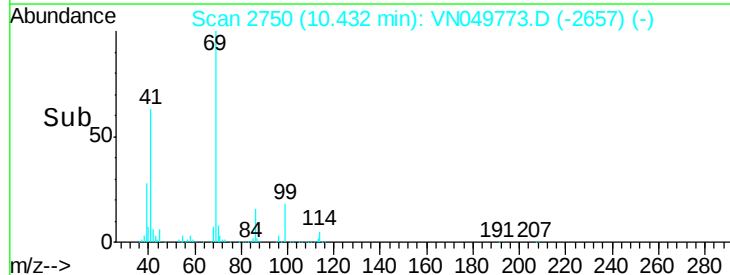
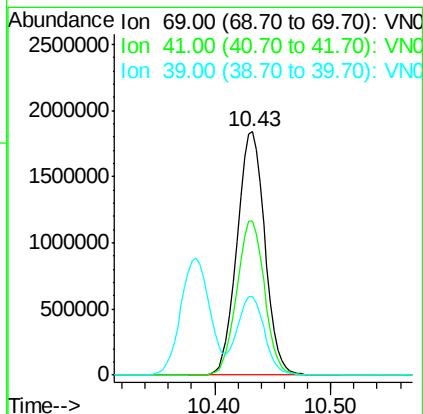
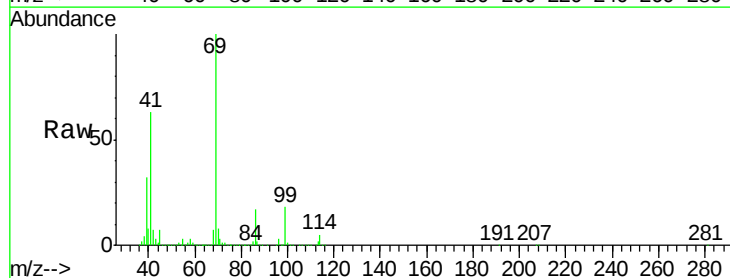
Instrument :
 MSVOA_N
 ClientSampleId :

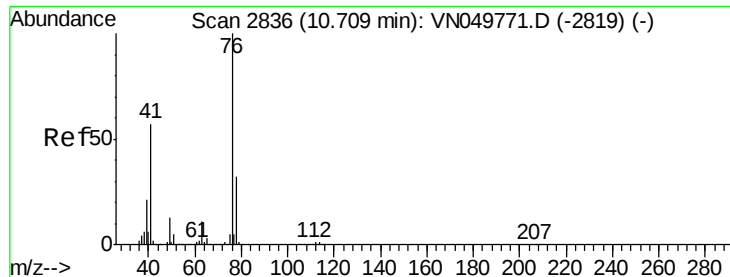
Tot Ion:	97	Resp:	2243225
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.0	103.6
85	56.5	44.9	67.3
99	63.5	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 169.210 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

Tgt Ion:	69	Resp:	3046072
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.6	77.4
39	31.6	25.8	38.8





#57

1,3-Dichloropropane

Concen: 148.066 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

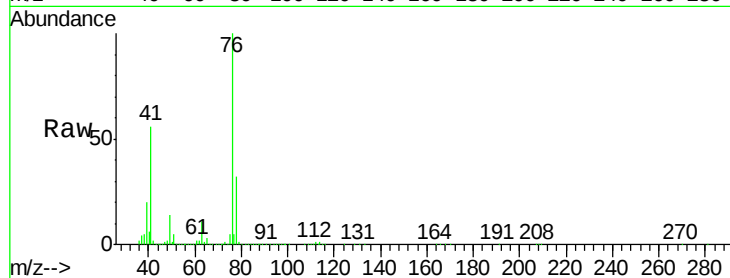
Instrument :

MSVOA_N

ClientSampleId :

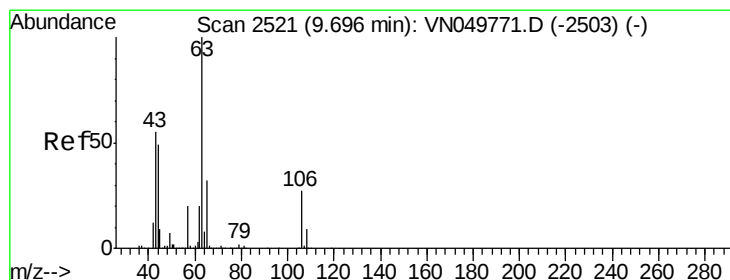
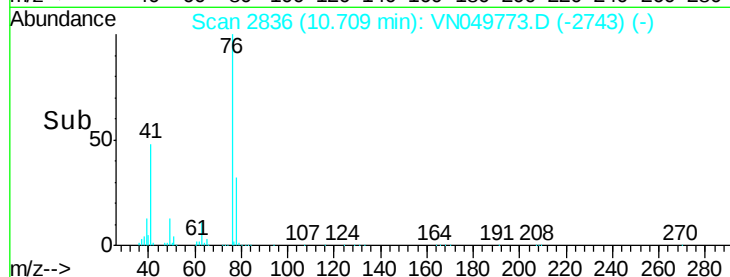
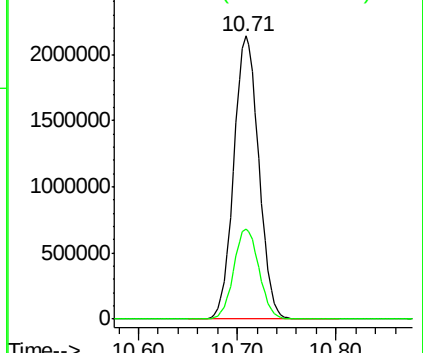
Tot Ion: 76 Resp: 3761957

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



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

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



#58

2-Chloroethyl Vinyl ether

Concen: 829.372 ug/l

RT: 9.70 min Scan# 2521

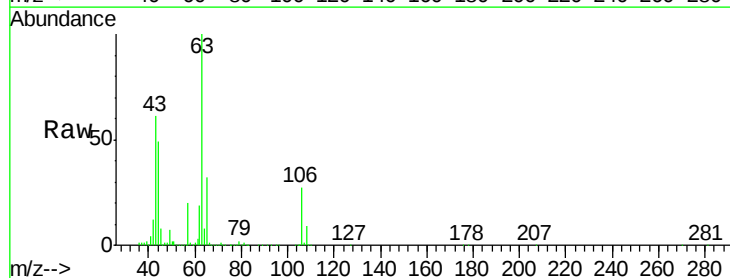
Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

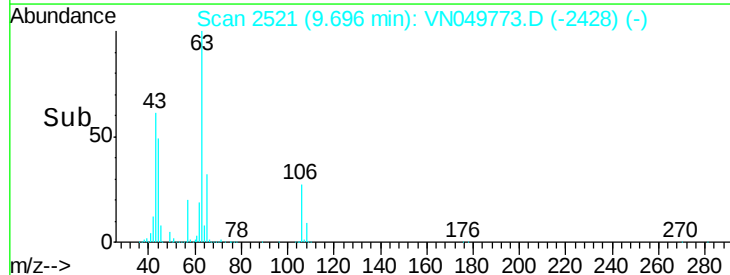
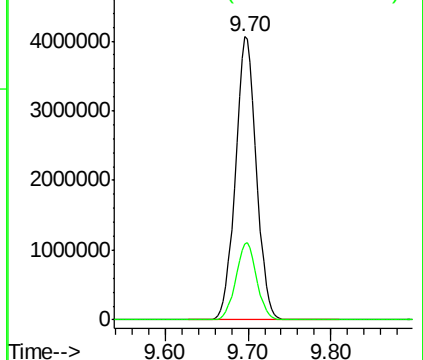
Tgt Ion: 63 Resp: 7160421

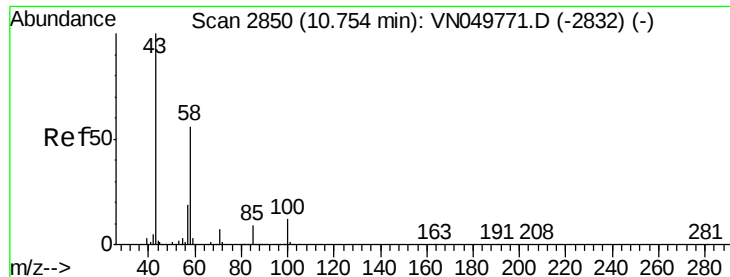
Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.8	32.8



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

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

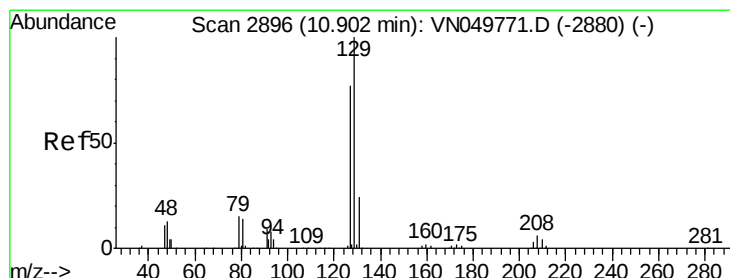
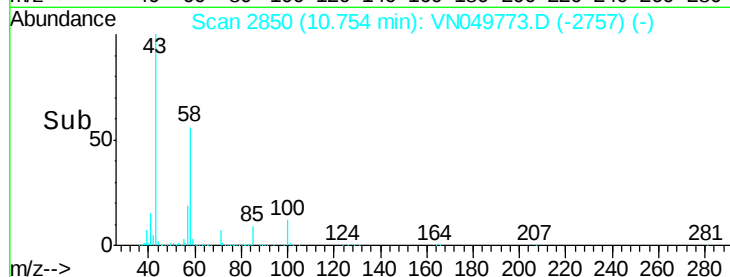
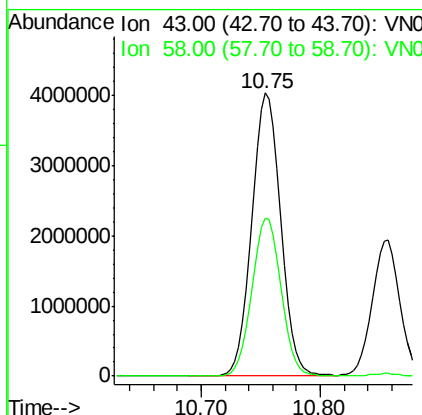
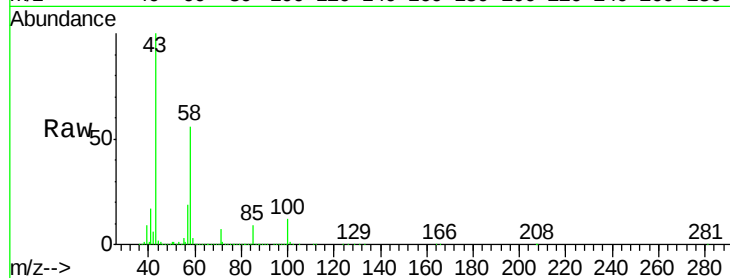




#59
2-Hexanone
Concen: 794.232 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

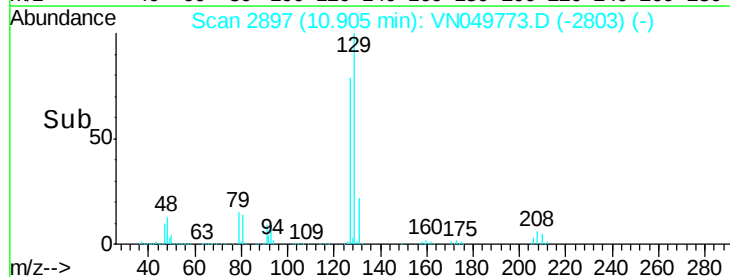
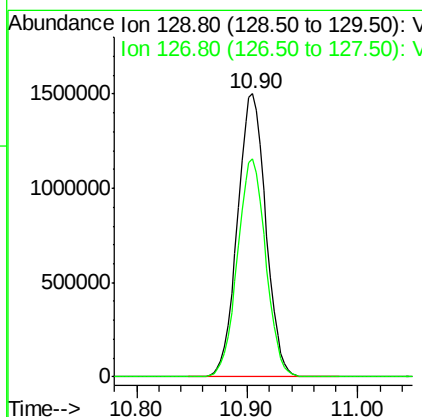
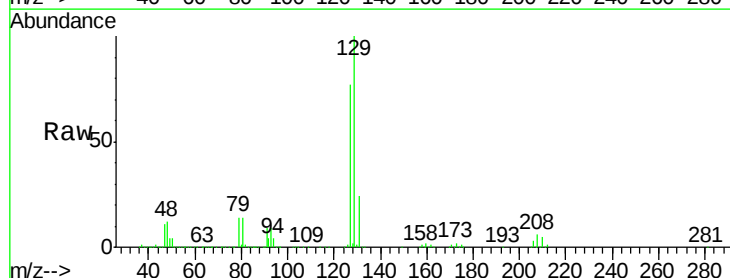
Instrument :
MSVOA_N
ClientSampleId :

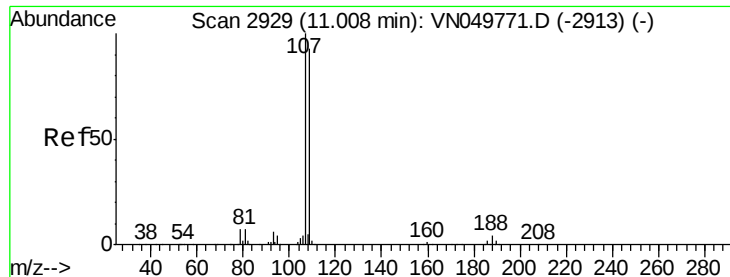
Tot Ion: 43 Resp: 6794164
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4



#60
Dibromochloromethane
Concen: 152.656 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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

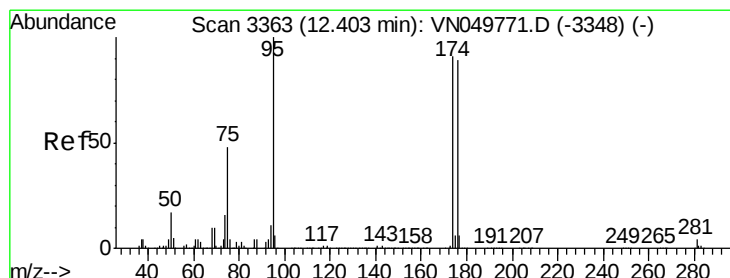
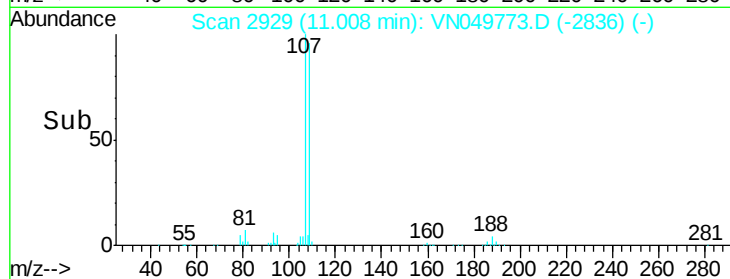
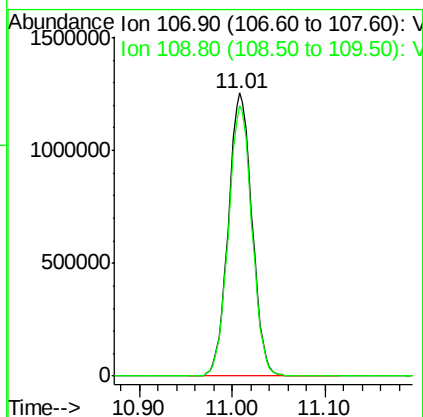
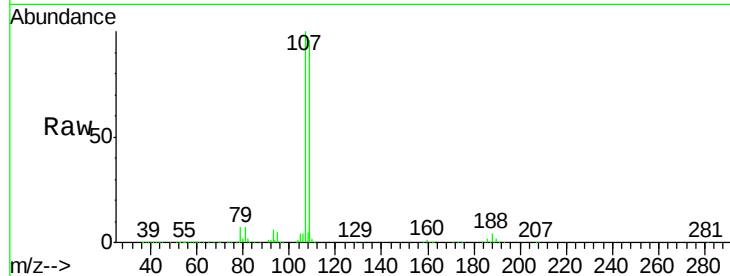




#61
 1,2-Dibromoethane
 Concen: 153.030 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

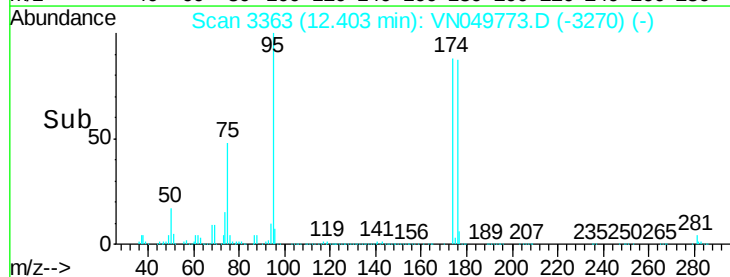
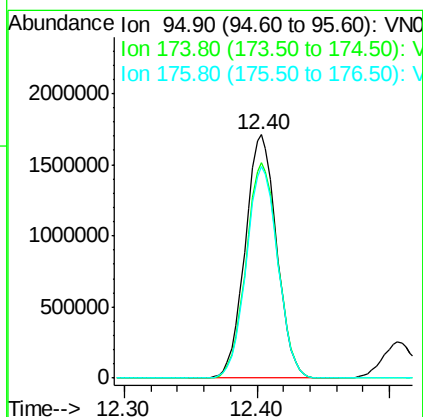
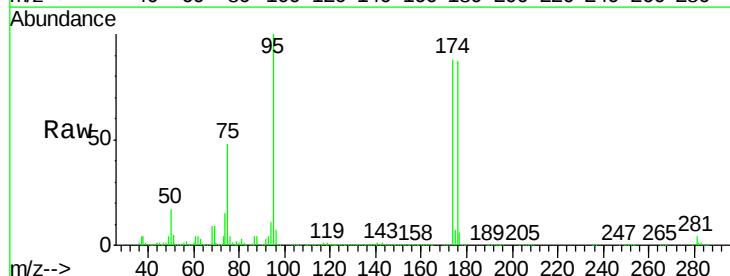
Instrument :
 MSVOA_N
 ClientSampled :

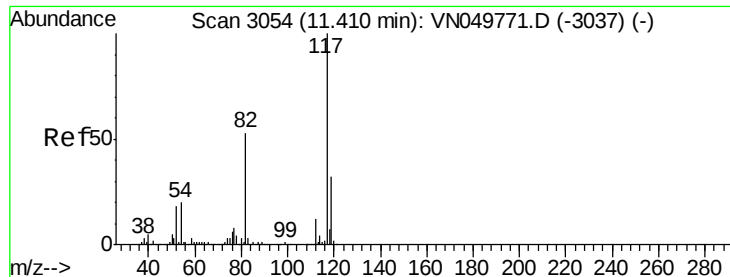
Tot Ion:107 Resp: 2220972
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 157.686 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

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

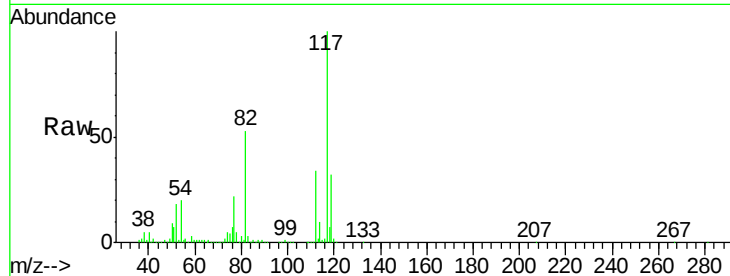




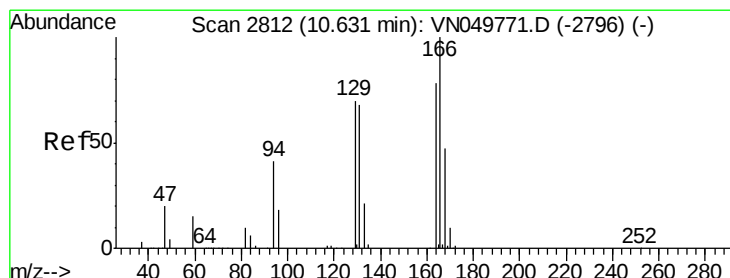
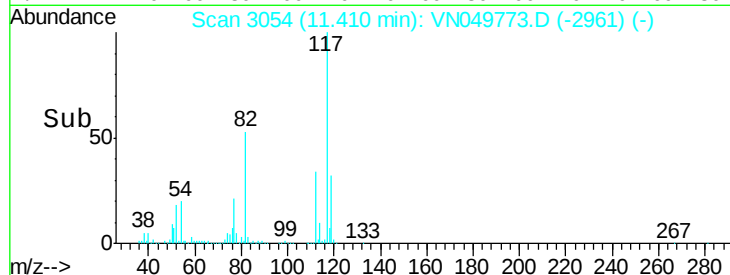
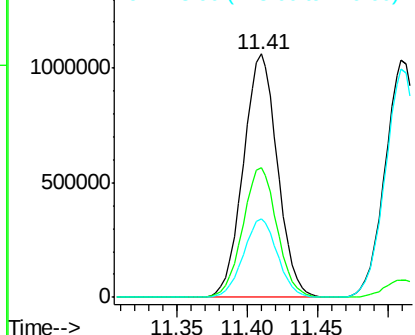
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1803629
Ion Ratio Lower Upper
117 100
82 53.3 41.9 62.9
119 32.3 25.4 38.2

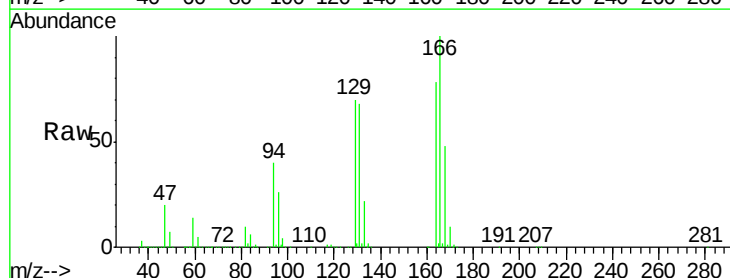


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

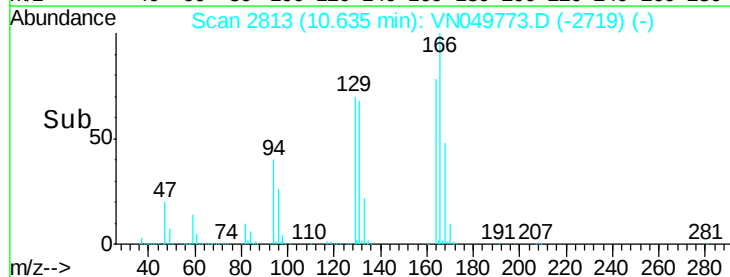
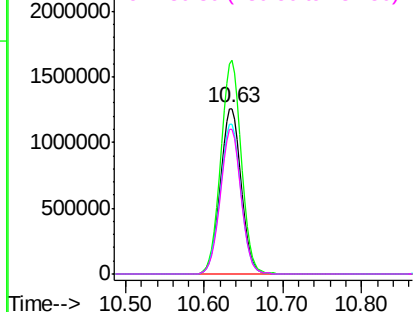


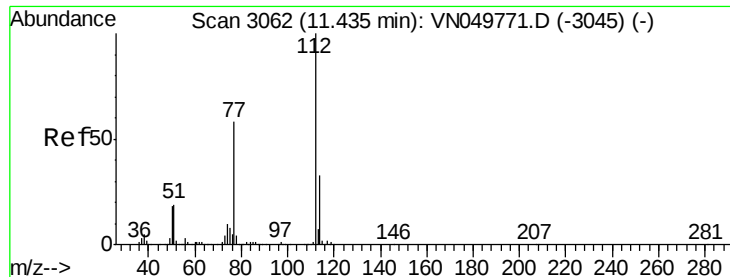
#64
Tetrachloroethene
Concen: 138.906 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion:164 Resp: 2274781
Ion Ratio Lower Upper
164 100
166 128.9 101.8 152.6
129 90.5 72.8 109.2
131 87.5 70.0 105.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

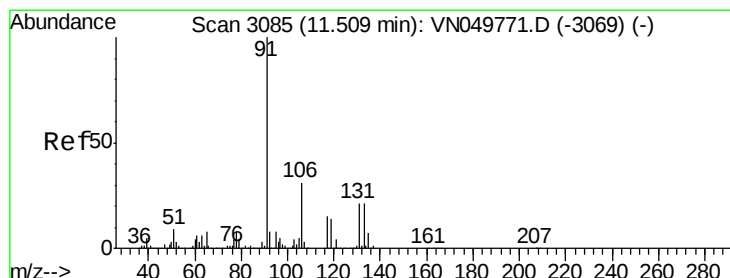
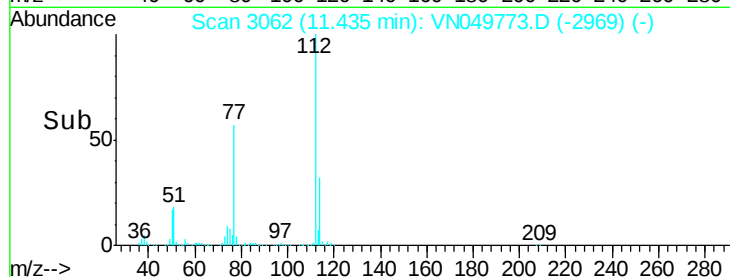
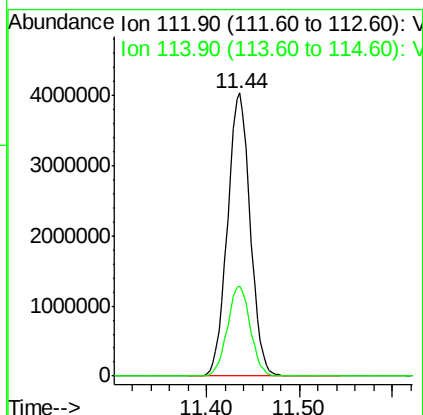
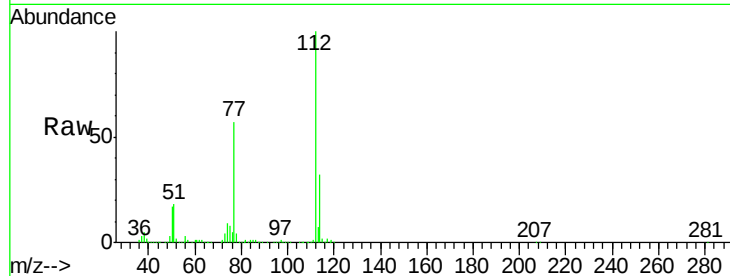




#65
Chlorobenzene
Concen: 145.673 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

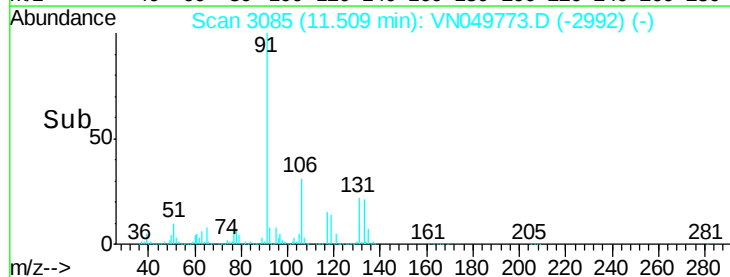
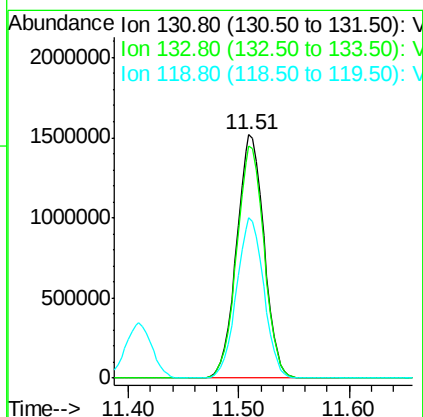
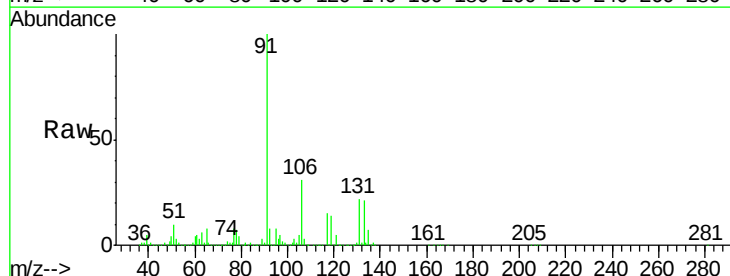
Instrument :
MSVOA_N
ClientSampled :

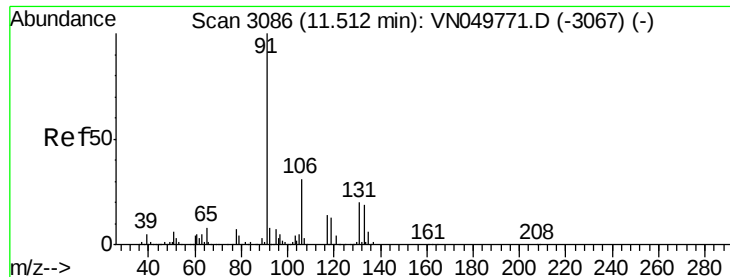
Tot Ion:112 Resp: 6844734
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 147.174 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion:131 Resp: 2601769
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 65.7 33.1 99.3

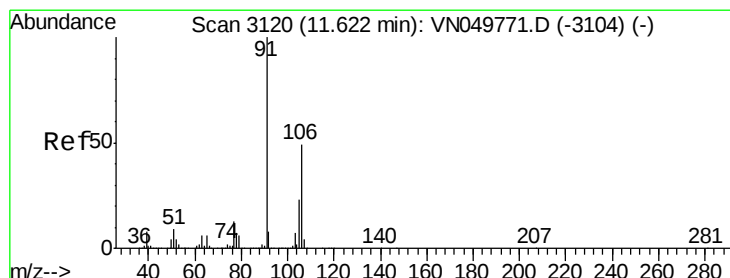
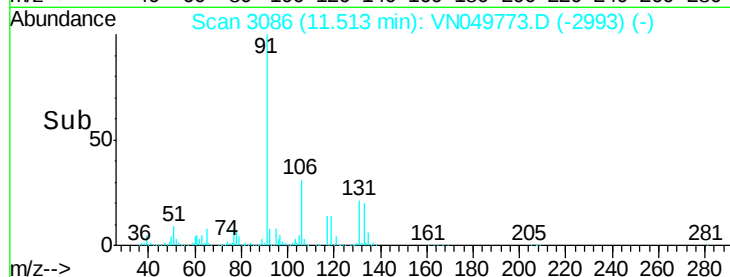
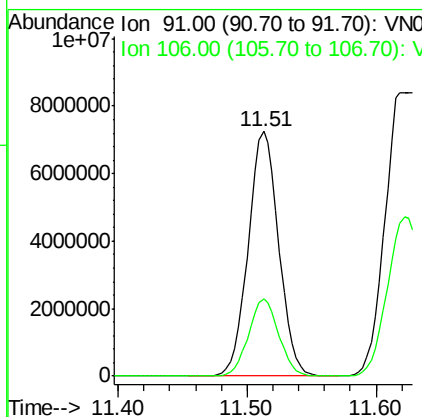
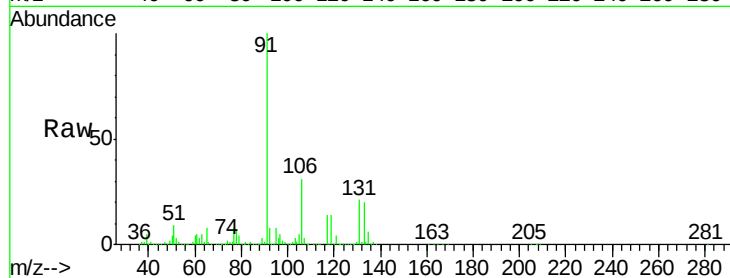




#67
Ethyl Benzene
Concen: 154.883 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

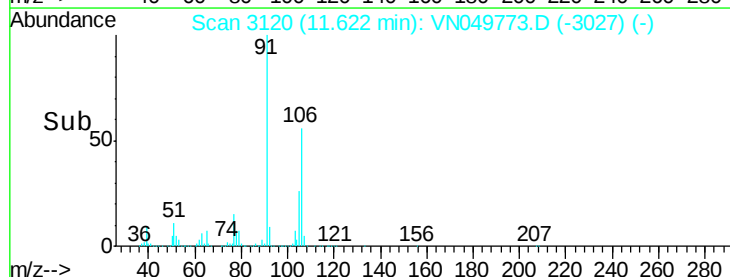
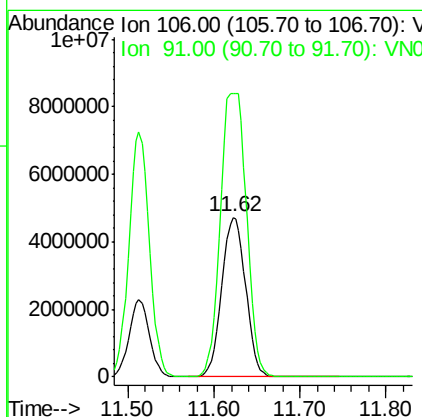
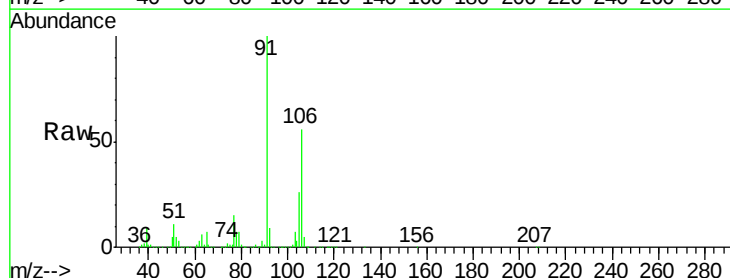
Instrument :
MSVOA_N
ClientSampled :

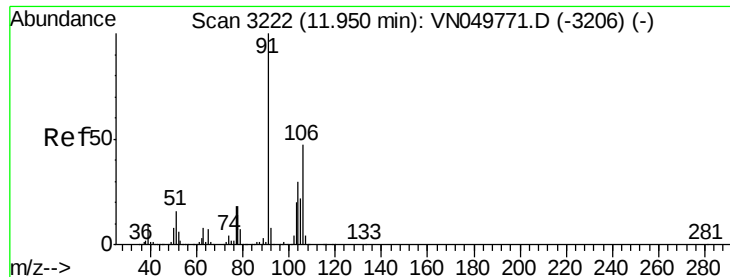
Tot Ion: 91 Resp: 11917184
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2



#68
m/p-Xylenes
Concen: 315.140 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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

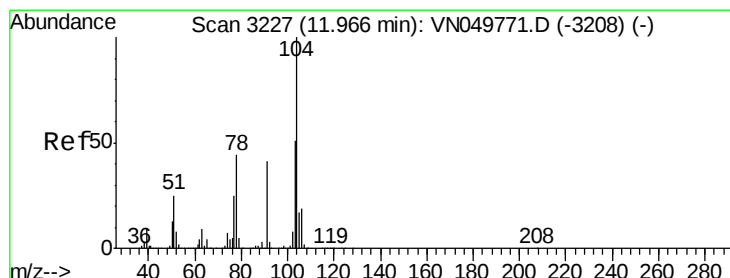
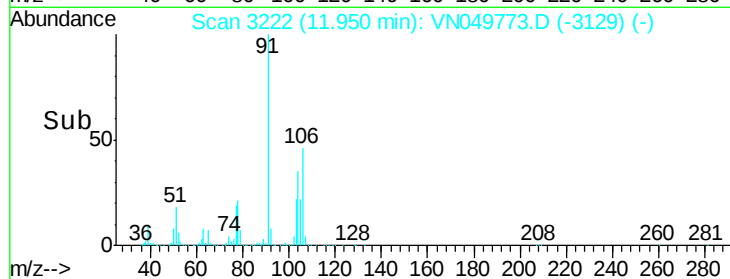
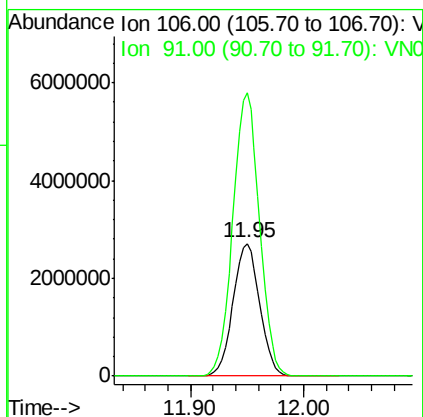
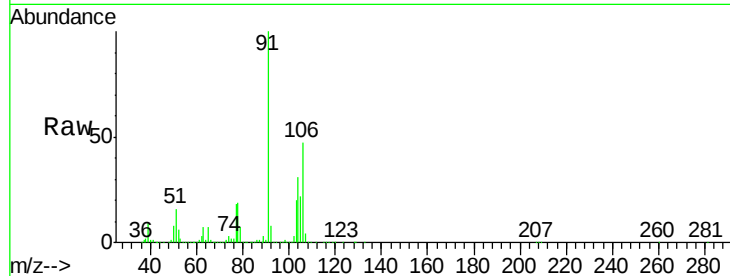




#69
o-Xylene
Concen: 159.125 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

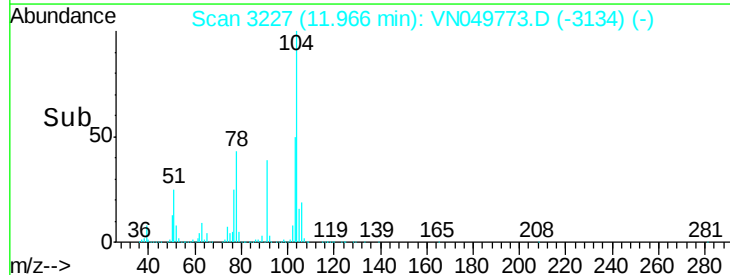
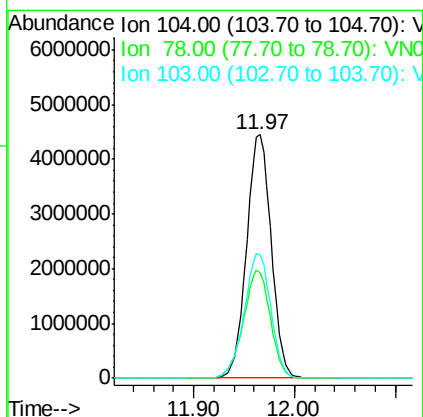
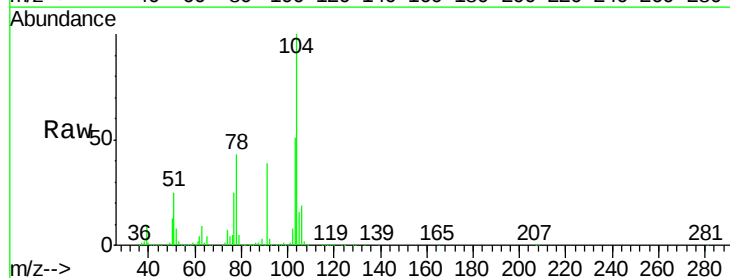
Instrument :
MSVOA_N
ClientSampleId :

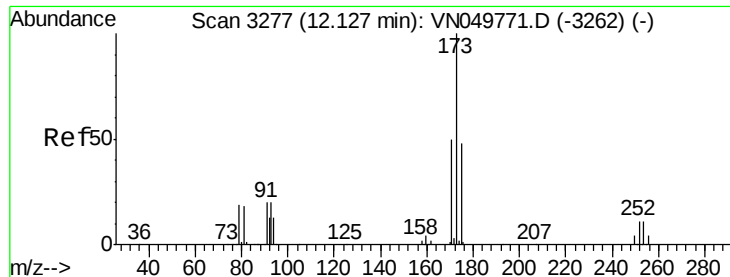
Tot Ion:106 Resp: 4439414
Ion Ratio Lower Upper
106 100
91 213.0 108.7 326.1



#70
Styrene
Concen: 168.145 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

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

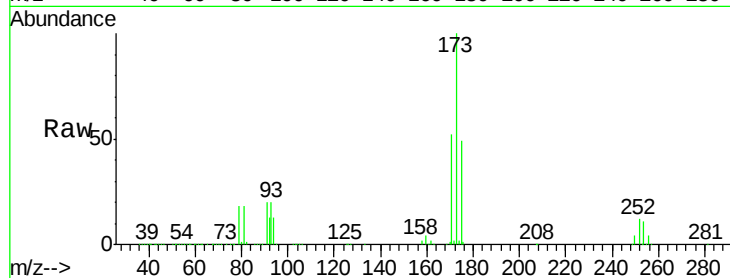




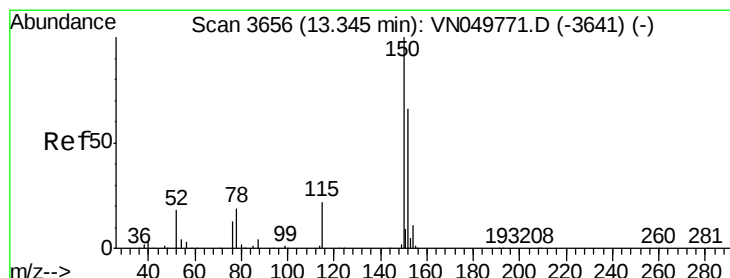
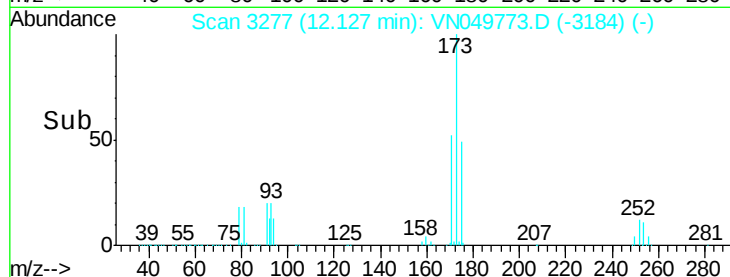
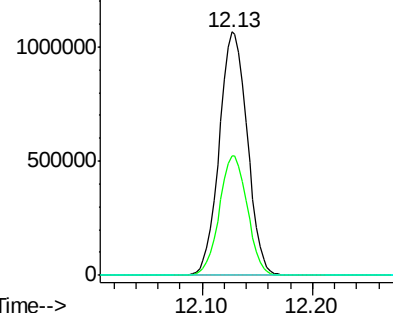
#71
Bromoform
Concen: 156.750 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 1872294
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 0.1 0.2 0.2#

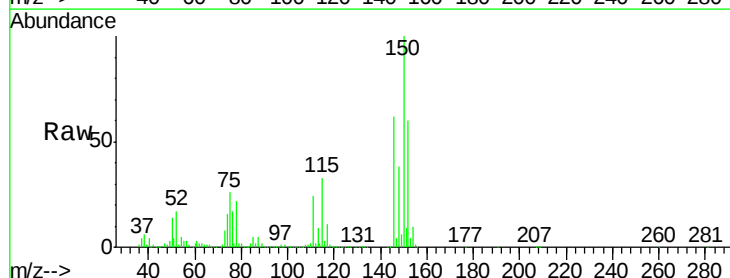


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

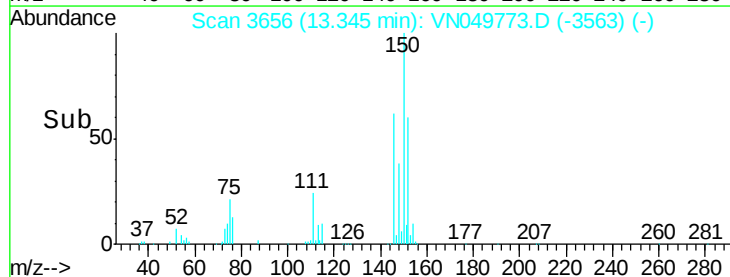
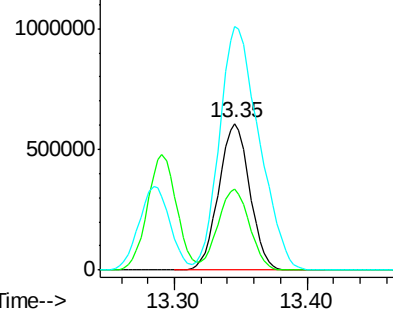


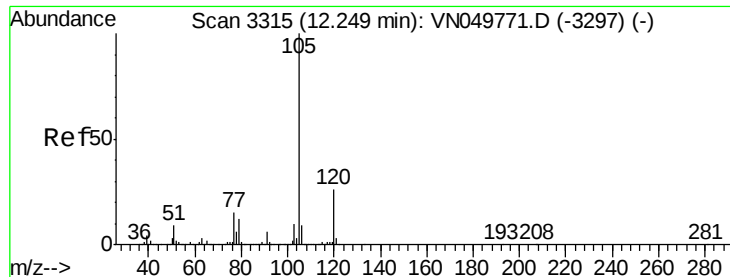
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion:152 Resp: 987786
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.2
150 211.7 0.0 347.6



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





#73

Isopropylbenzene

Concen: 144.148 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

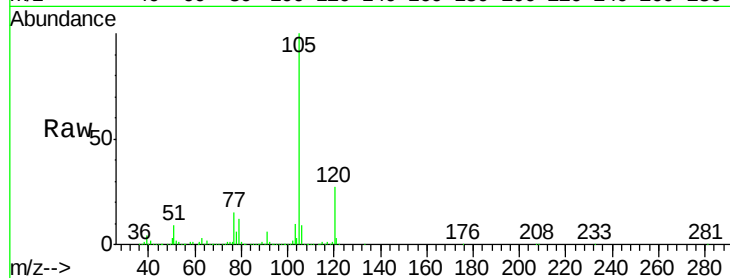
ClientSampled :

Tot Ion:105 Resp:11833317

Ion Ratio Lower Upper

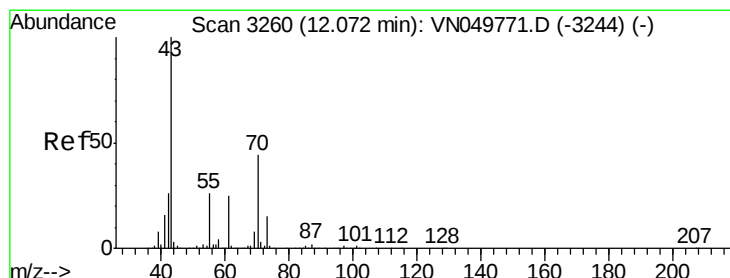
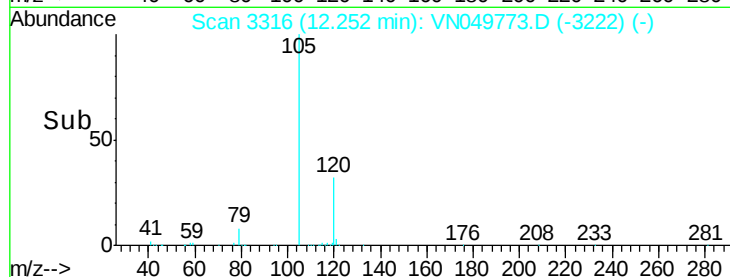
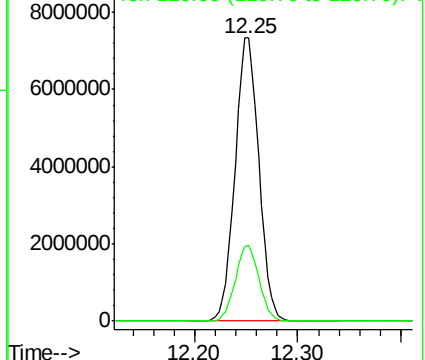
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 155.133 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Tgt Ion: 43 Resp: 3312996

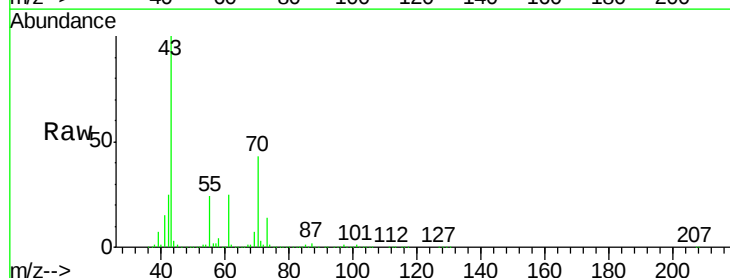
Ion Ratio Lower Upper

43 100

70 43.6 34.8 52.2

55 24.5 20.9 31.3

61 25.2 19.9 29.9

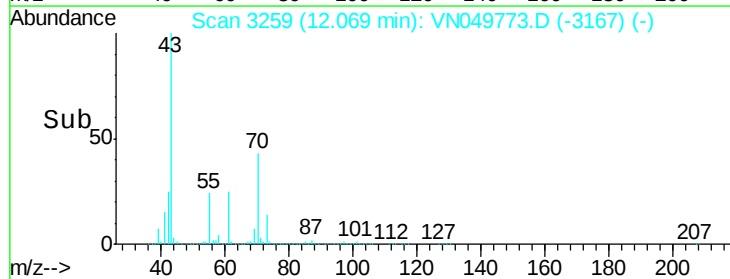
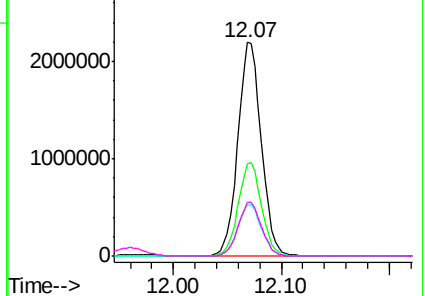


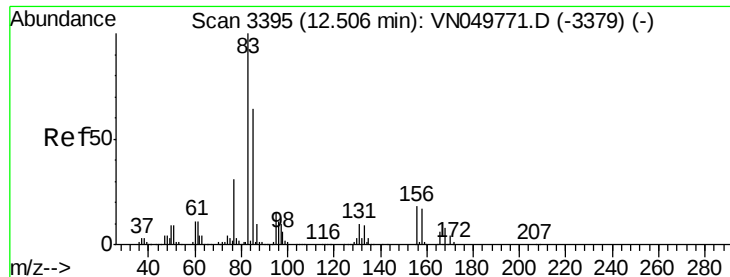
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 149.574 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

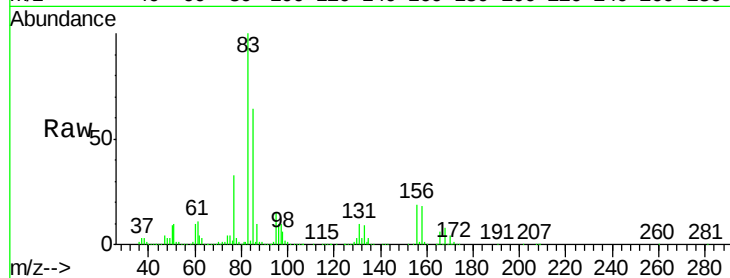
Tot Ion: 83 Resp: 2755521

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

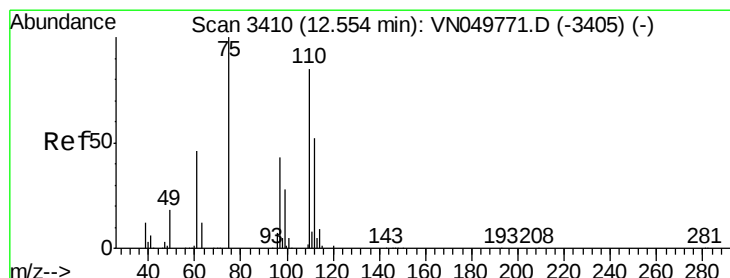
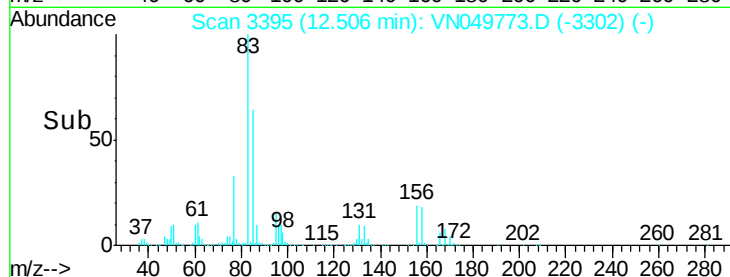
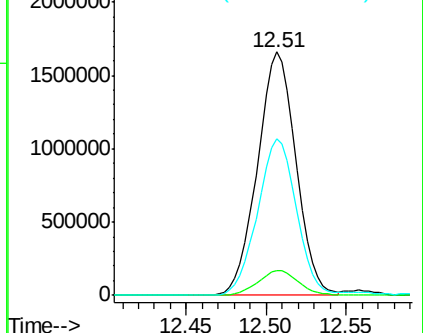
85 64.7 32.5 97.4



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

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

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



#76

1,2,3-Trichloropropane

Concen: 200.554 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049773.D

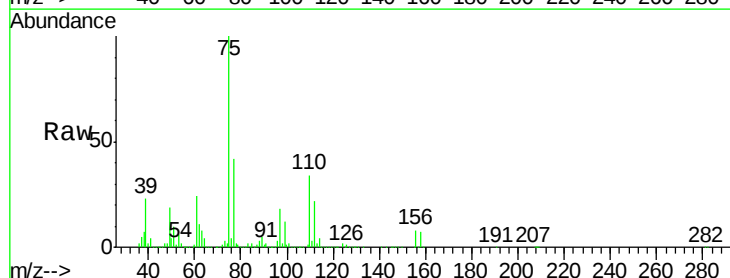
Acq: 12 Jul 2018 12:58

Tgt Ion: 75 Resp: 3519313

Ion Ratio Lower Upper

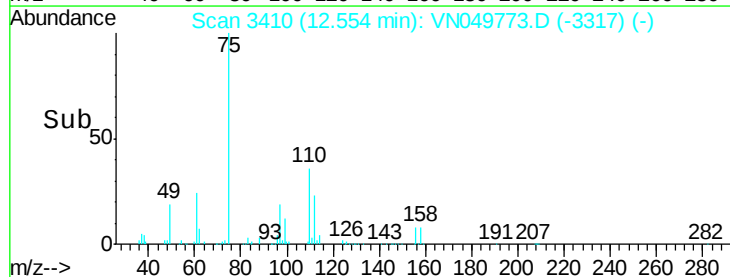
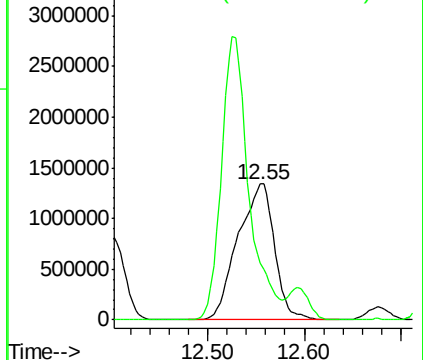
75 100

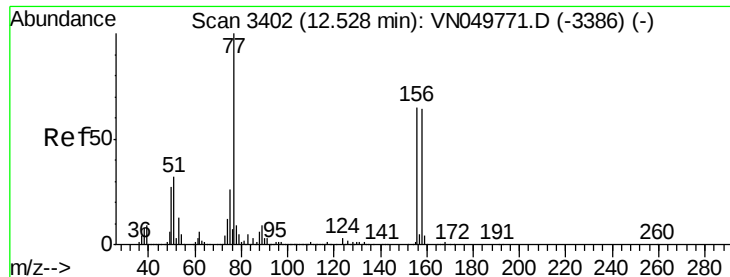
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049773.D (-3410) (-)

Ion 77.00 (76.70 to 77.70): VN049773.D (-3410) (-)





#77

Bromobenzene

Concen: 139.212 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

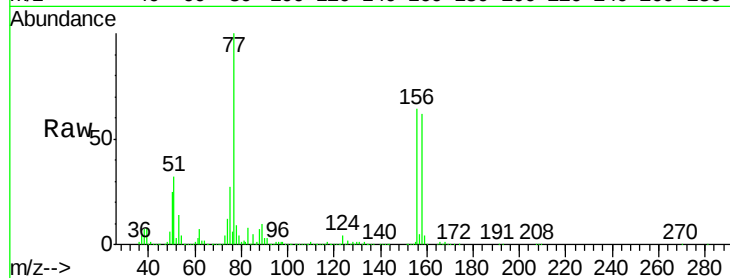
Tot Ion:156 Resp: 3031727

Ion Ratio Lower Upper

156 100

77 182.0 90.2 270.6

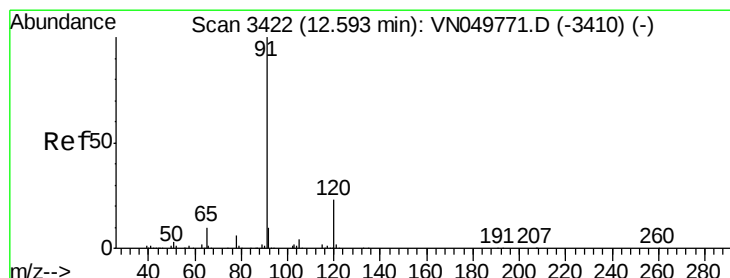
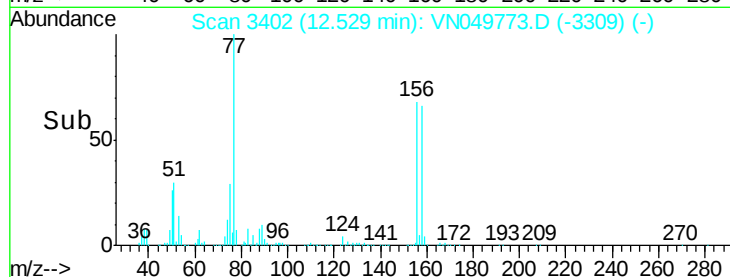
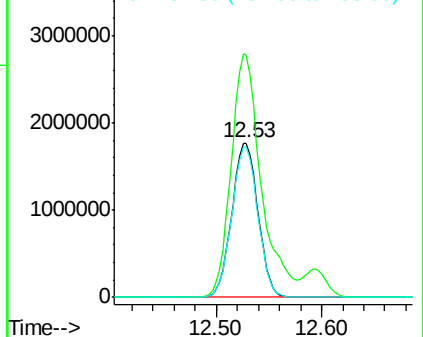
158 97.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 146.648 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049773.D

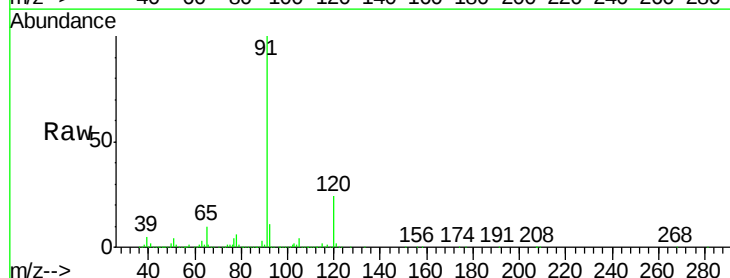
Acq: 12 Jul 2018 12:58

Tgt Ion: 91 Resp:13573131

Ion Ratio Lower Upper

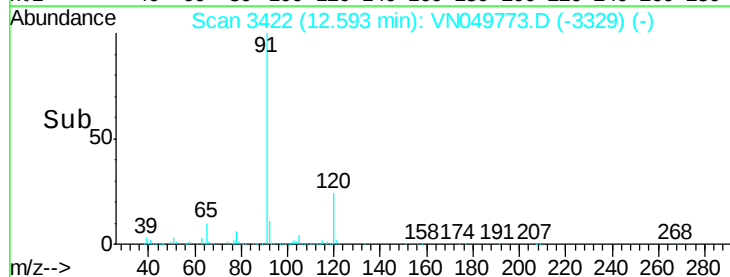
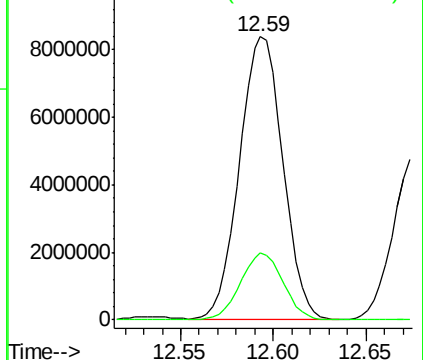
91 100

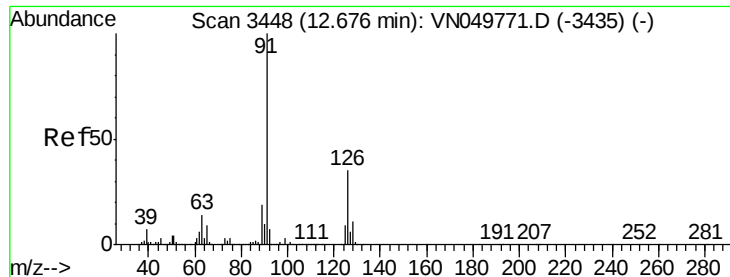
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

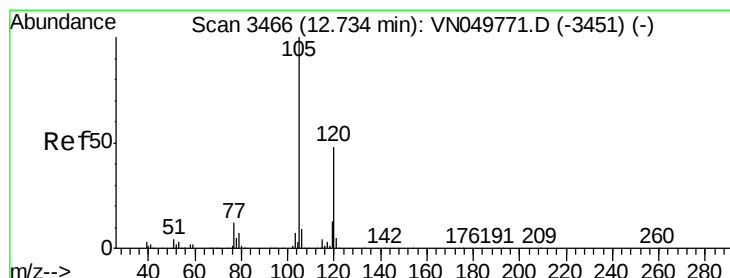
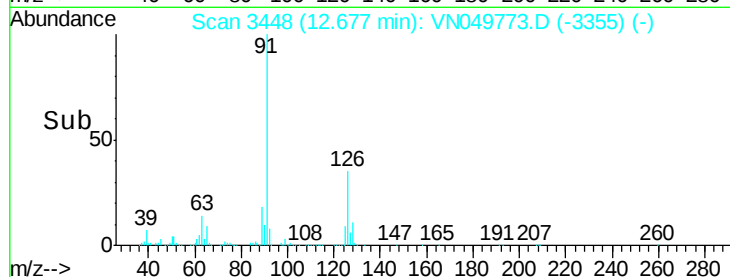
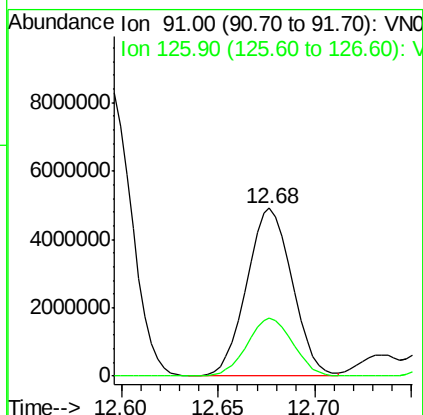
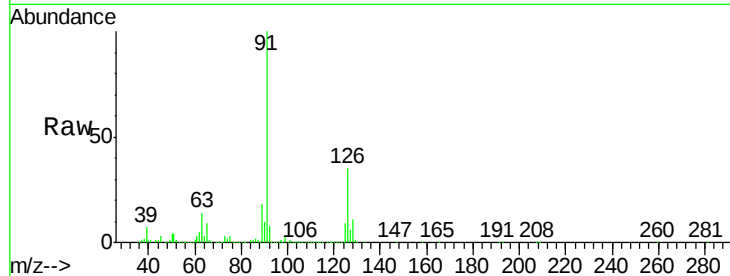




#79
 2-Chlorotoluene
 Concen: 141.839 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

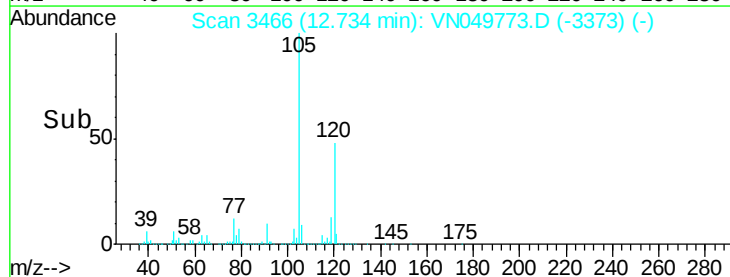
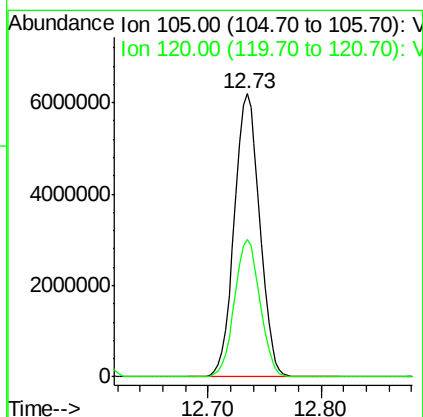
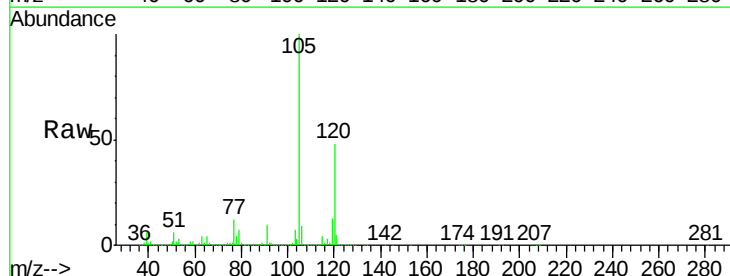
Instrument :
 MSVOA_N
 ClientSampled :

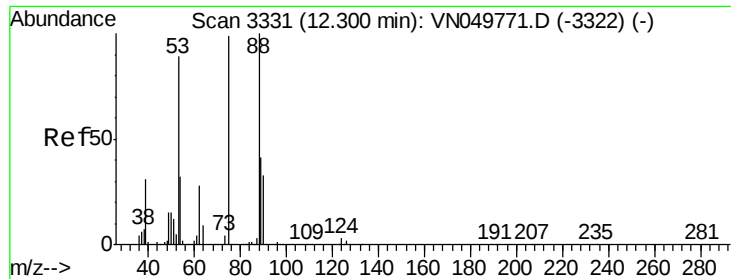
Tot Ion: 91 Resp: 8034364
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 148.312 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049773.D
 Acq: 12 Jul 2018 12:58

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

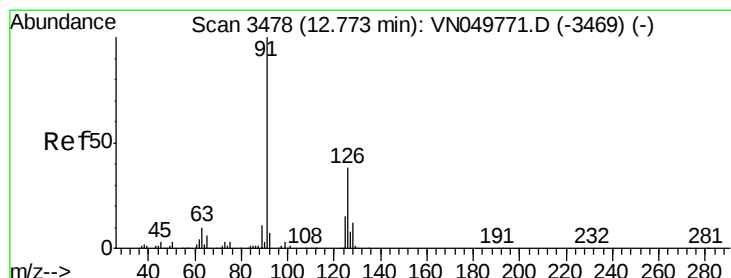
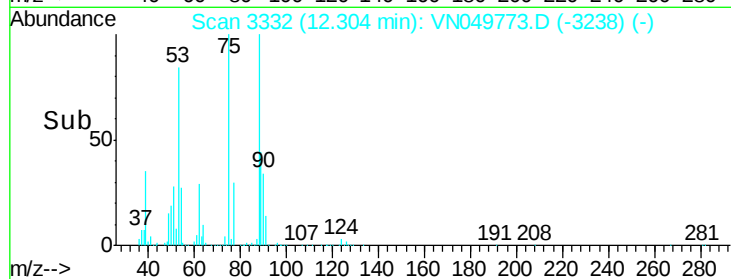
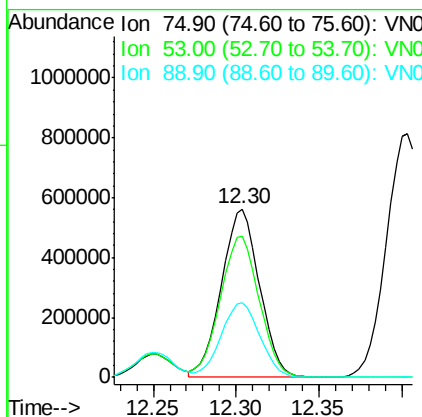
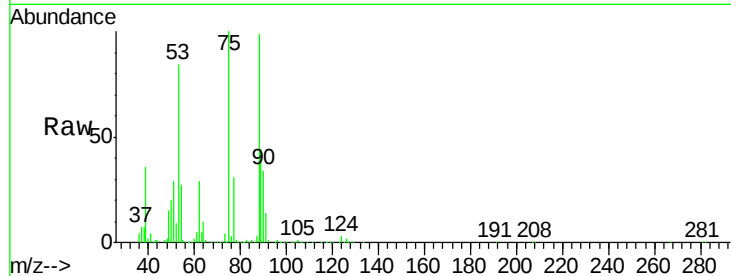




#81
trans-1,4-Dichloro-2-butene
Concen: 163.745 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

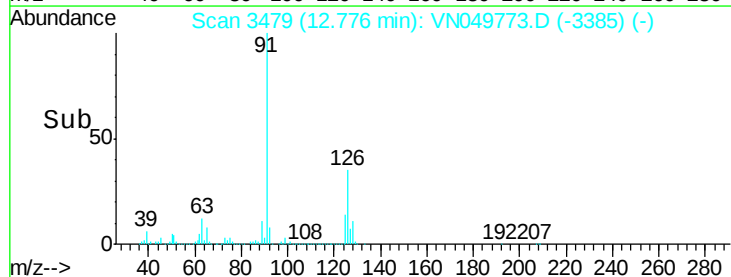
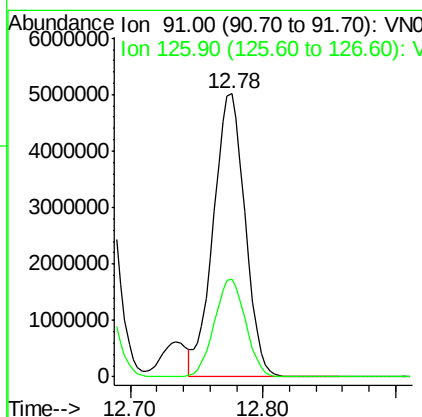
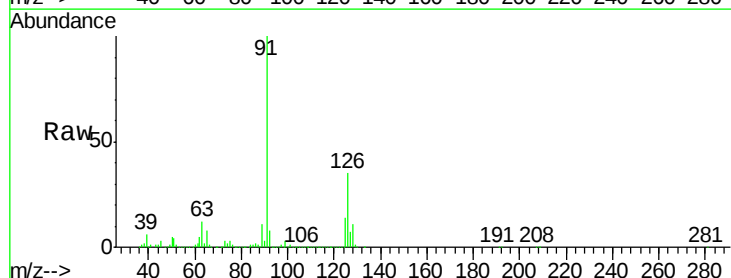
Instrument :
MSVOA_N
ClientSampled :

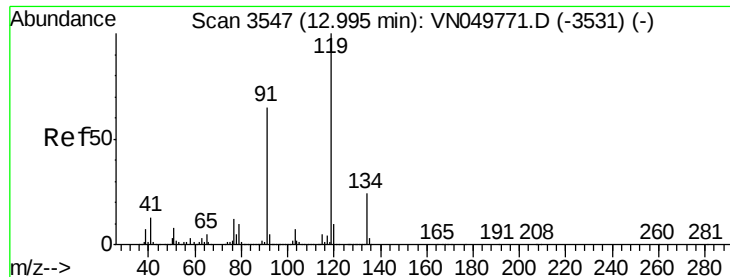
Tot Ion: 75 Resp: 889767
Ion Ratio Lower Upper
75 100
53 86.7 73.9 110.9
89 45.5 35.9 53.9



#82
4-Chlorotoluene
Concen: 147.824 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 91 Resp: 8305028
Ion Ratio Lower Upper
91 100
126 34.1 17.2 51.6





#83

tert-Butylbenzene

Concen: 145.065 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

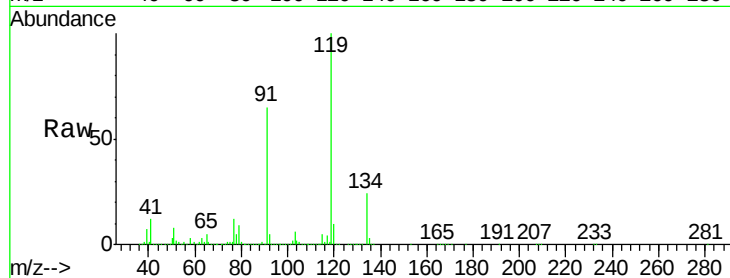
Tot Ion:119 Resp: 8467464

Ion Ratio Lower Upper

119 100

91 63.6 32.0 96.2

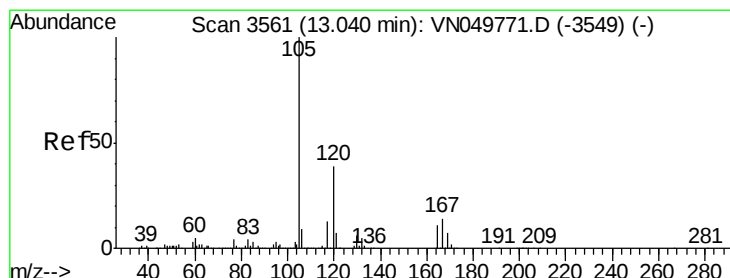
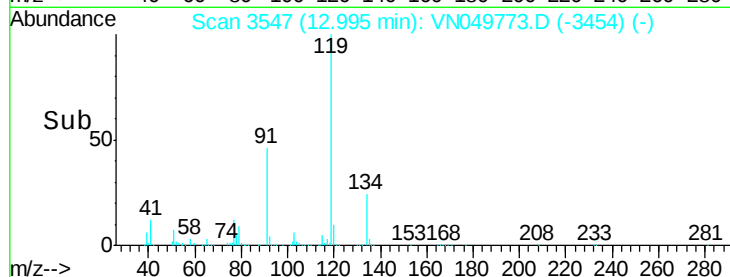
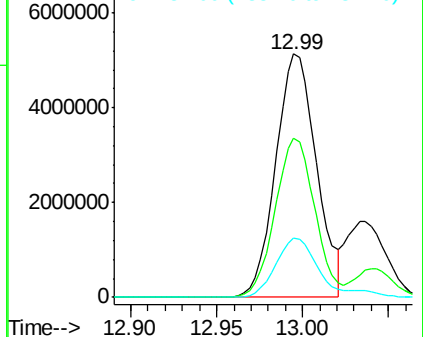
134 26.3 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 151.336 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049773.D

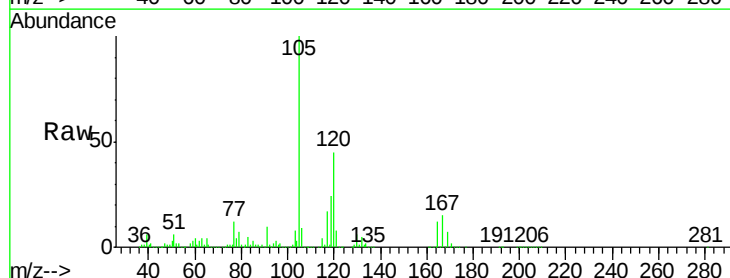
Acq: 12 Jul 2018 12:58

Tgt Ion:105 Resp: 9901152

Ion Ratio Lower Upper

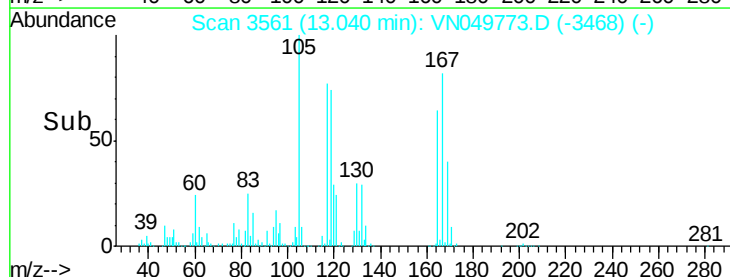
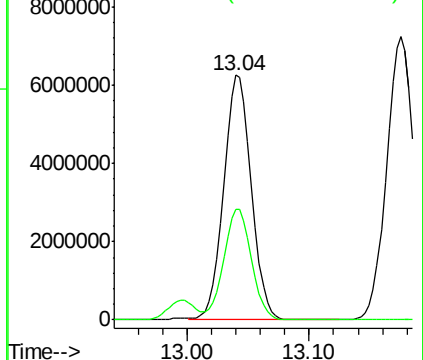
105 100

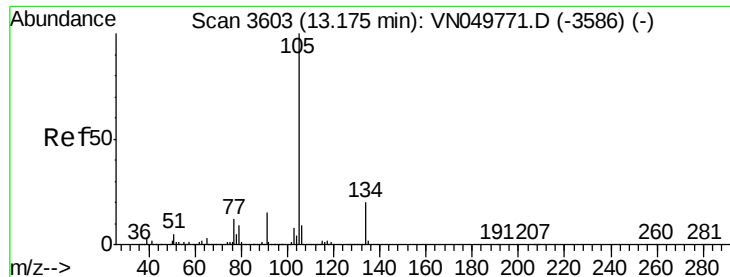
120 45.4 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 148.921 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

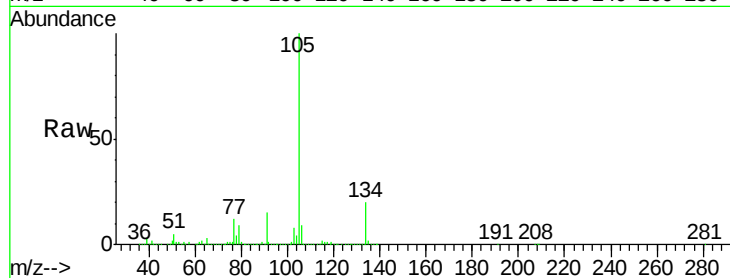
ClientSampleId :

Tot Ion:105 Resp:11392270

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

8000000

6000000

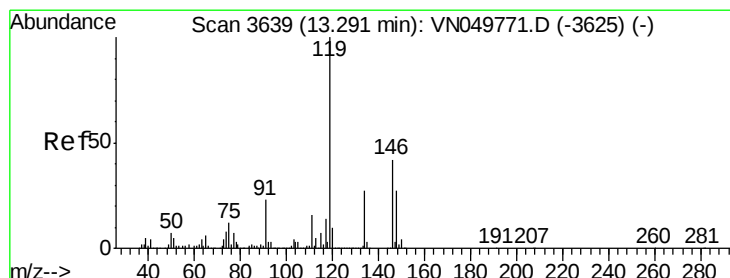
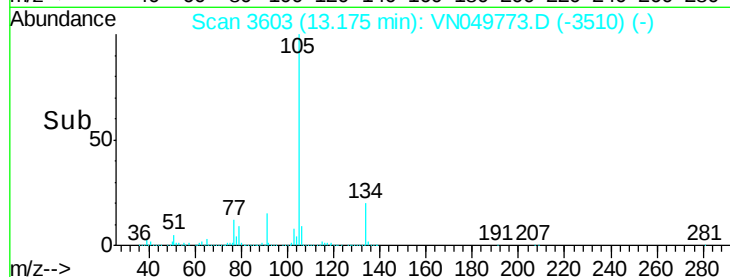
4000000

2000000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 155.564 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

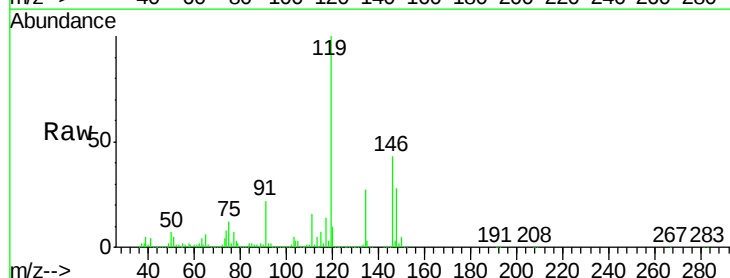
Tgt Ion:119 Resp:10070241

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.5 11.4 34.1



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

13.29

8000000

6000000

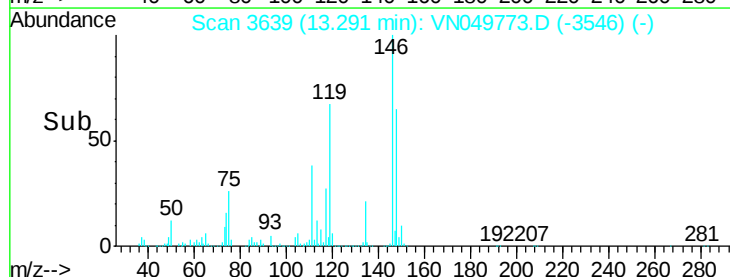
4000000

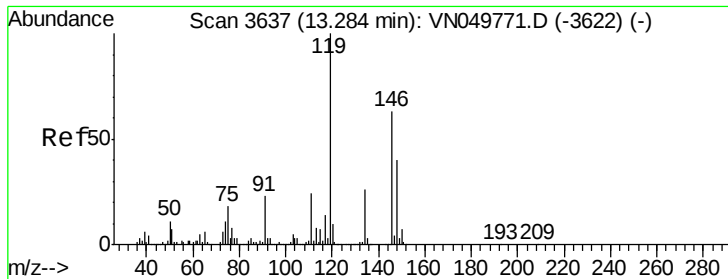
2000000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 144.742 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

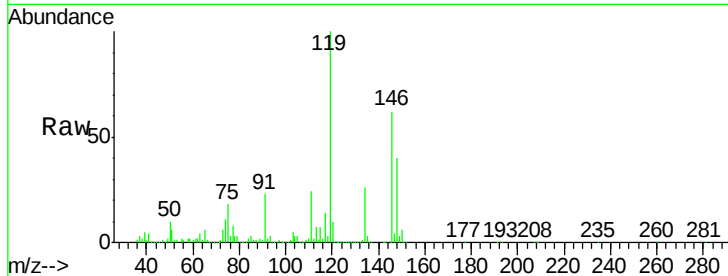
Tot Ion:146 Resp: 5465236

Ion Ratio Lower Upper

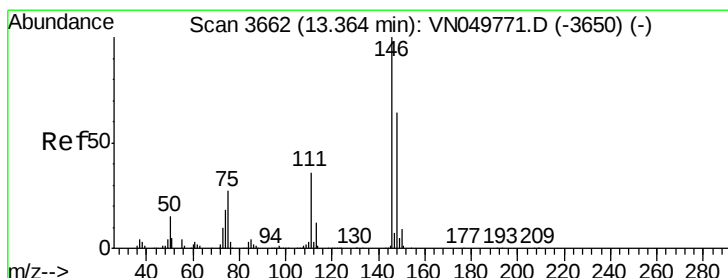
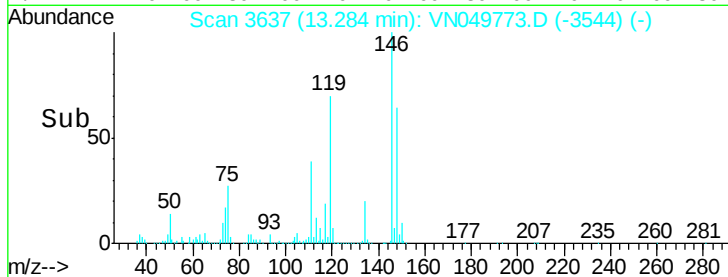
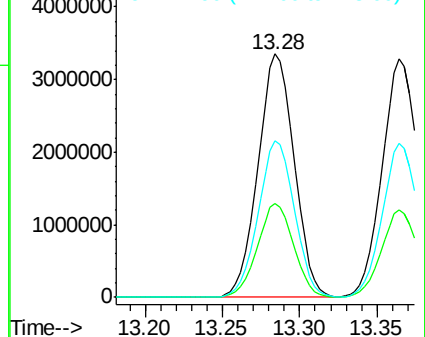
146 100

111 38.4 19.0 57.0

148 64.2 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 145.948 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

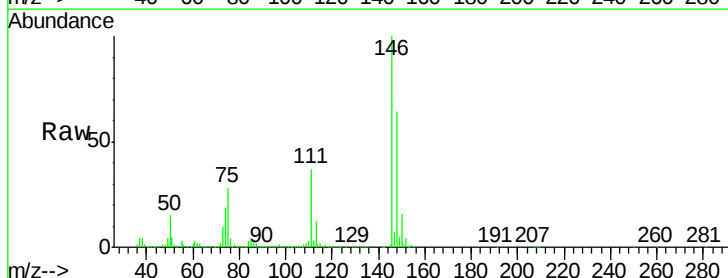
Tgt Ion:146 Resp: 5357416

Ion Ratio Lower Upper

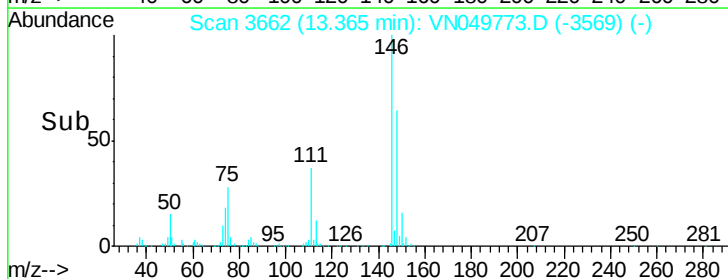
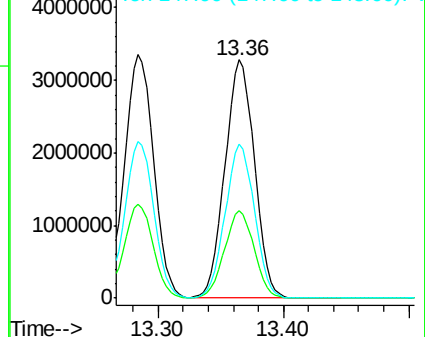
146 100

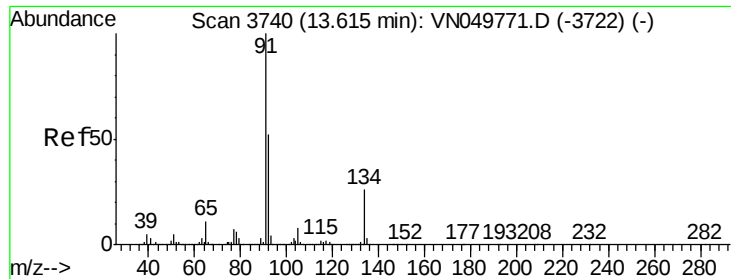
111 36.5 18.9 56.5

148 64.1 32.1 96.3



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

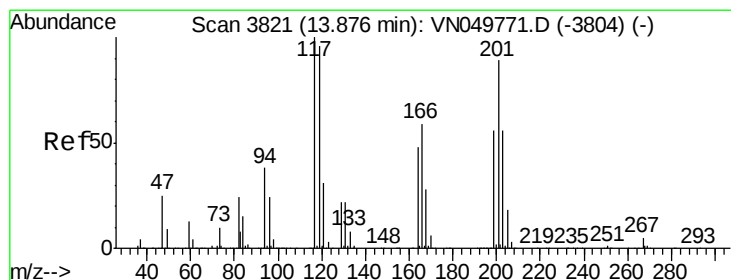
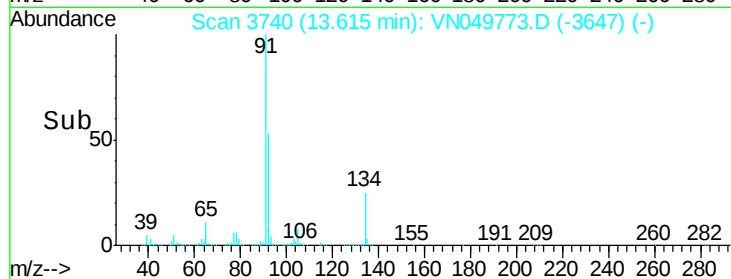
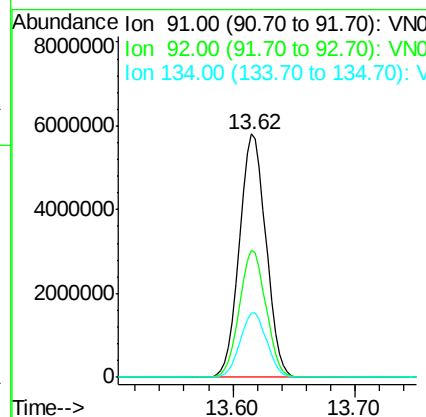
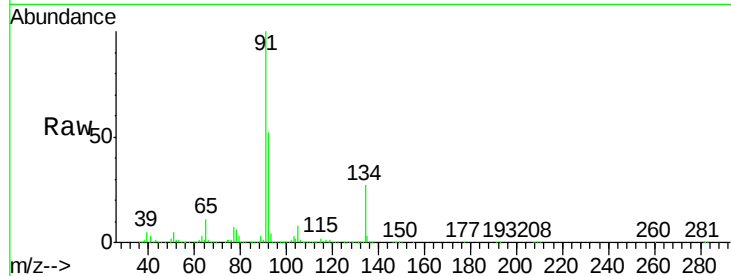




#89
n-Butylbenzene
Concen: 163.710 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

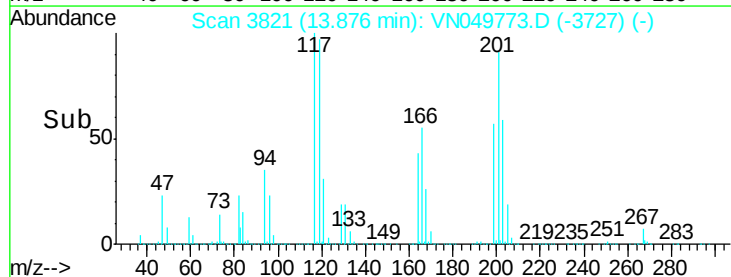
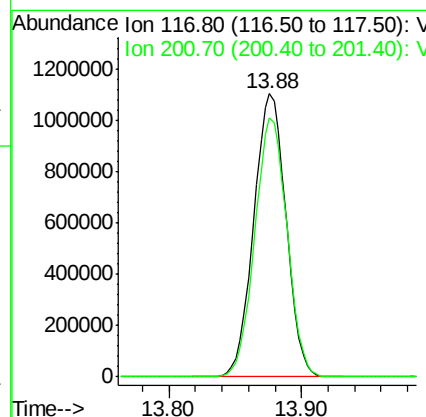
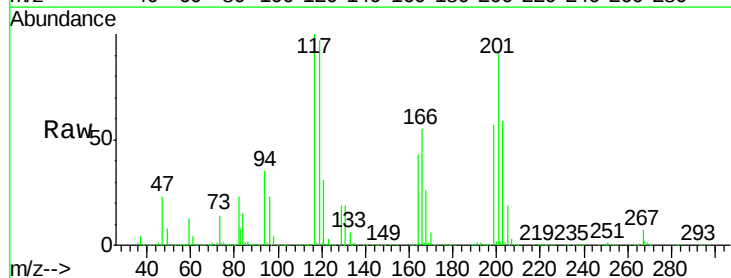
Instrument :
MSVOA_N
ClientSampleId :

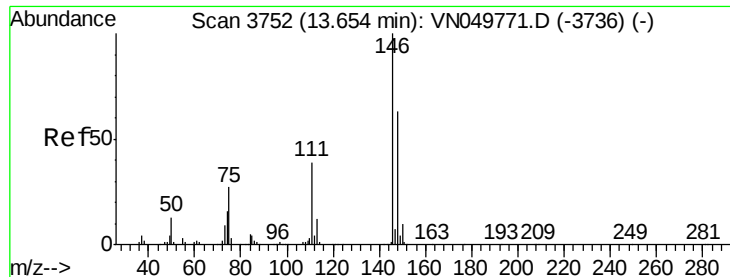
Tot Ion: 91 Resp: 8748471
Ion Ratio Lower Upper
91 100
92 52.2 25.8 77.3
134 26.5 13.0 38.9



#90
Hexachloroethane
Concen: 150.673 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion: 117 Resp: 1866212
Ion Ratio Lower Upper
117 100
201 91.7 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 140.243 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

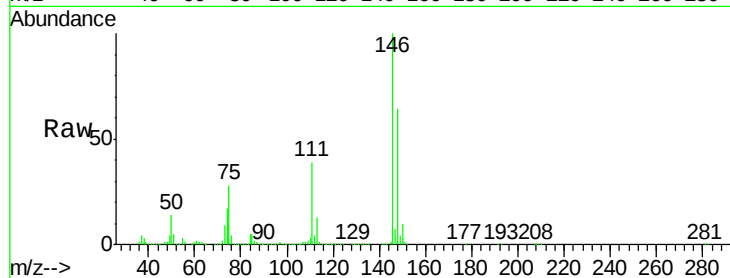
Tot Ion:146 Resp: 5168035

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.1

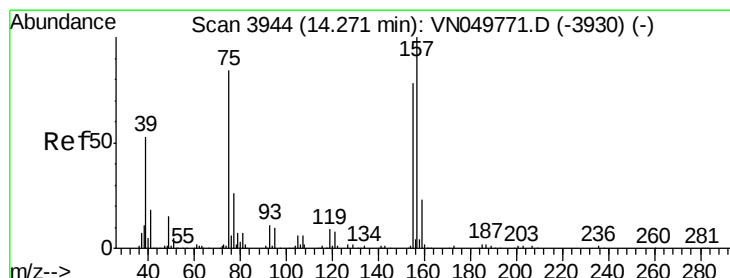
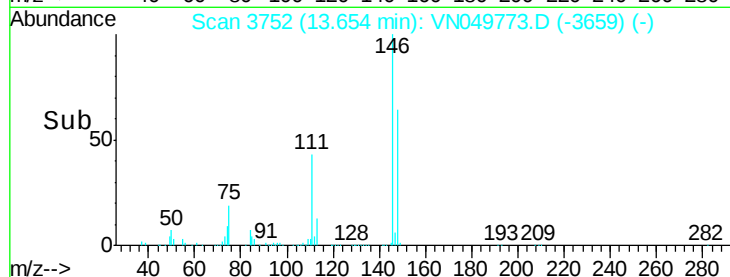
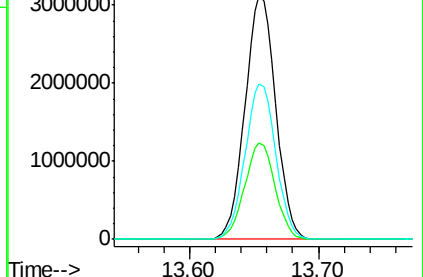
148 64.1 32.0 96.2



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: 151.707 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049773.D

Acq: 12 Jul 2018 12:58

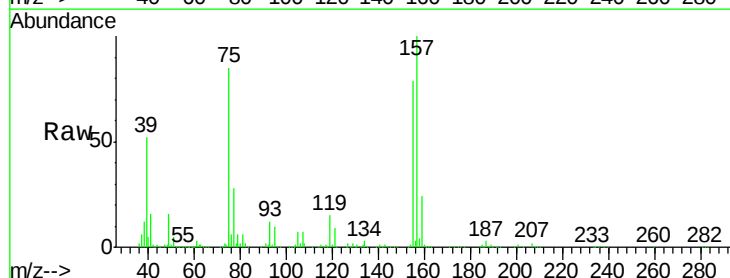
Tgt Ion: 75 Resp: 437284

Ion Ratio Lower Upper

75 100

155 93.3 45.7 137.1

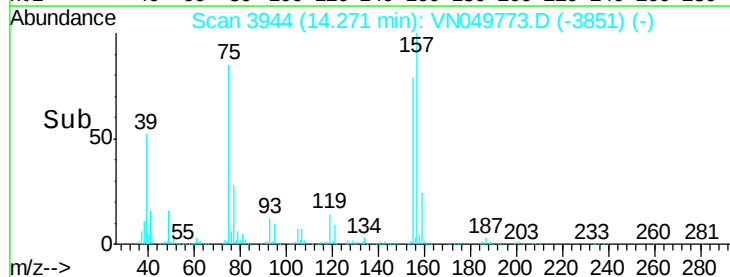
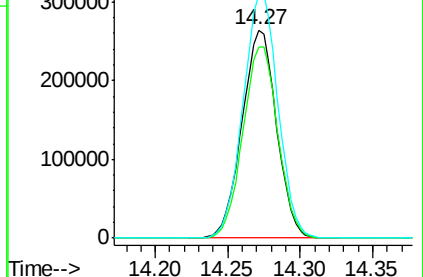
157 119.1 56.9 170.7

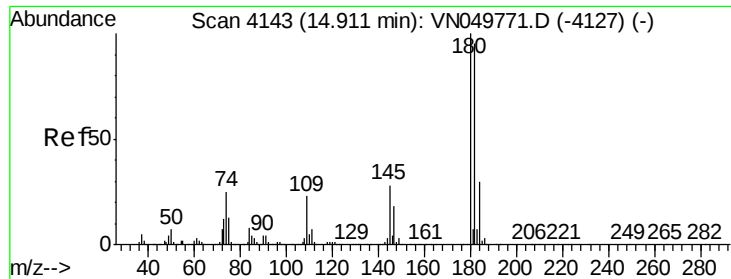


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

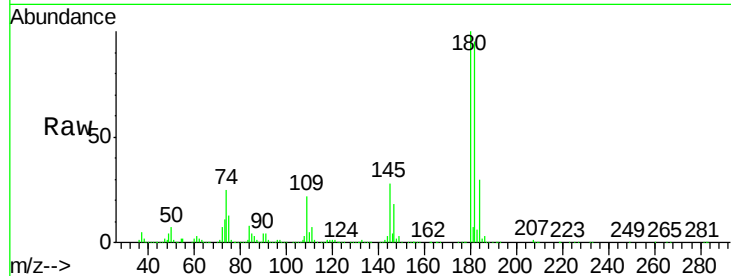




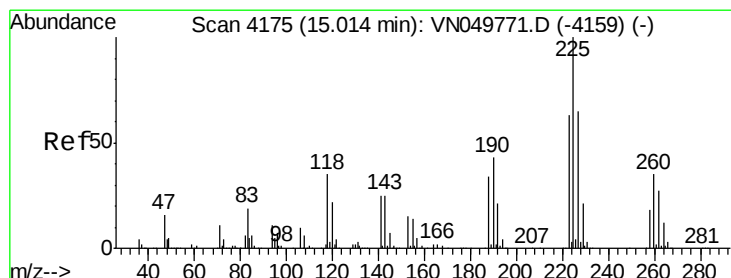
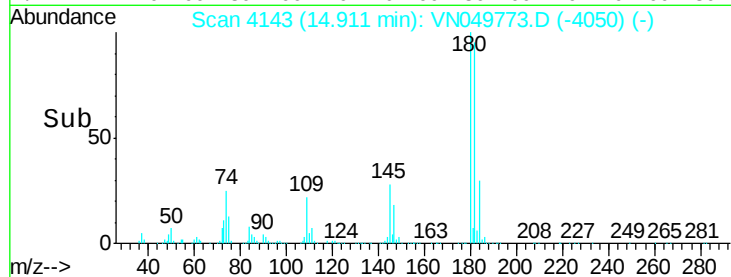
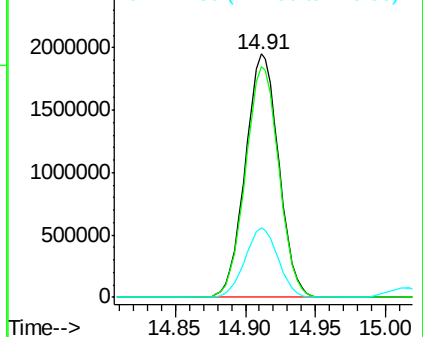
#93
1,2,4-Trichlorobenzene
Concen: 153.096 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:180 Resp: 3227400
Ion Ratio Lower Upper
180 100
182 95.0 47.3 141.9
145 28.4 14.4 43.0

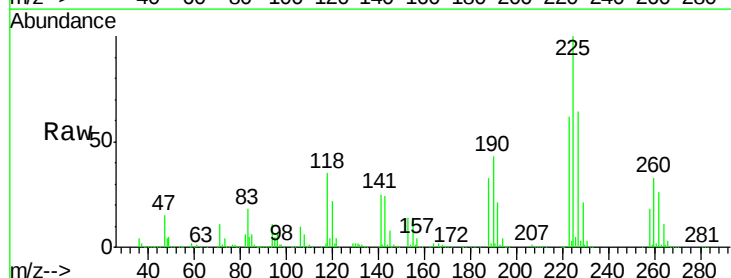


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

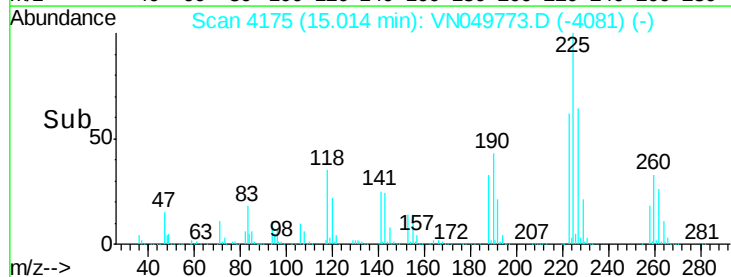
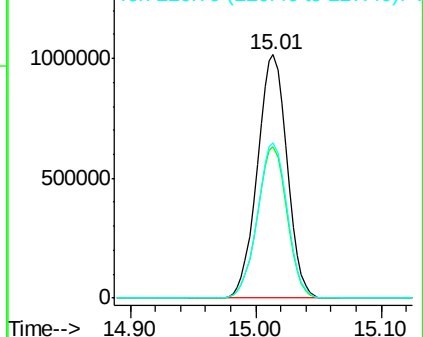


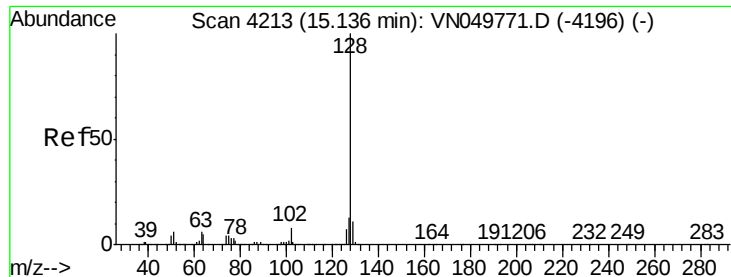
#94
Hexachlorobutadiene
Concen: 150.478 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion:225 Resp: 1672810
Ion Ratio Lower Upper
225 100
223 62.1 30.9 92.7
227 63.8 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

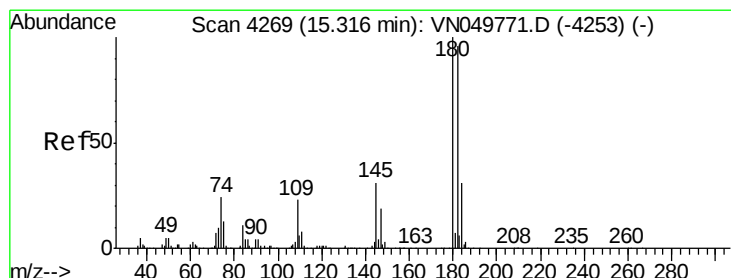
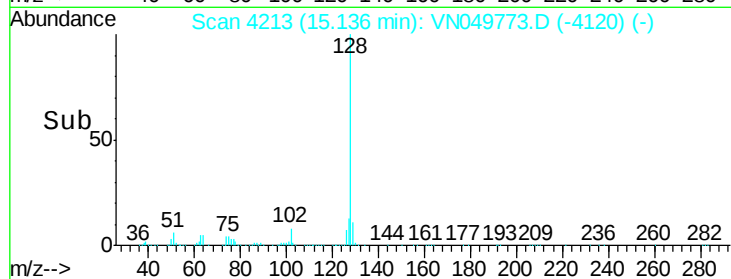
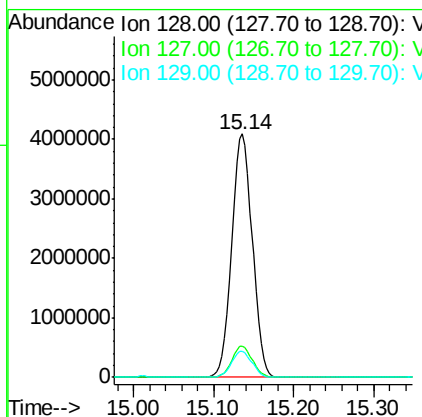
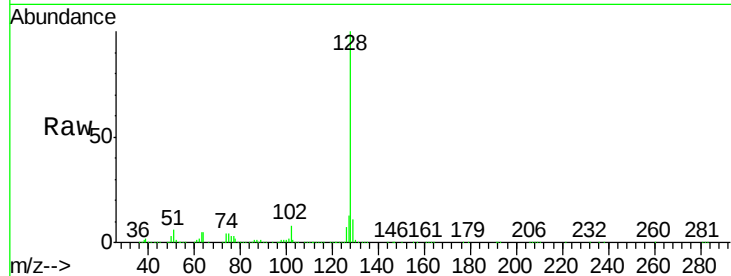




#95
Naphthalene
Concen: 153.471 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 7099098
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 170.309 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049773.D
Acq: 12 Jul 2018 12:58

Tgt Ion:180 Resp: 3043585
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.2
145 30.0 15.2 45.6

