

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050484.D
 Acq On : 9 Aug 2018 14:37
 Operator : MD\SY
 Sample : VN0809WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:03:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	729476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1085129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	993706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	519152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	469563	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.59	113	426918	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	1594563	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	536333	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	150885	18.63	ug/l	99
3) Chloromethane	2.06	50	194689	19.45	ug/l	100
4) Vinyl Chloride	2.18	62	205151	19.57	ug/l	99
5) Bromomethane	2.56	94	110491	21.84	ug/l	96
6) Chloroethane	2.70	64	126717	19.62	ug/l	97
7) Trichlorofluoromethane	3.01	101	269642	19.92	ug/l	100
8) Diethyl Ether	3.41	74	96840	19.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162344	19.41	ug/l	98
10) Methyl Iodide	3.95	142	78867	21.40	ug/l	98
11) Tert butyl alcohol	4.79	59	64692	82.62	ug/l	100
12) 1,1-Dichloroethene	3.73	96	152494	19.34	ug/l	98
13) Acrolein	3.61	56	54554	65.36	ug/l	96
14) Allyl chloride	4.32	41	232189	18.33	ug/l	98
15) Acrylonitrile	4.99	53	300962	91.77	ug/l	98
16) Acetone	3.82	43	265332	91.06	ug/l	100
17) Carbon Disulfide	4.05	76	446626	17.42	ug/l	99
18) Methyl Acetate	4.33	43	145640	19.16	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	442906	19.79	ug/l	98
20) Methylene Chloride	4.55	84	180085	19.31	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	167103	19.58	ug/l	94
22) Diisopropyl ether	5.96	45	514049	19.87	ug/l	98
23) Vinyl Acetate	5.90	43	1753355	94.98	ug/l	99
24) 1,1-Dichloroethane	5.85	63	307144	19.35	ug/l	99
25) 2-Butanone	6.84	43	420466	87.06	ug/l	98
26) 2,2-Dichloropropane	6.83	77	234790	17.94	ug/l	100
27) cis-1,2-Dichloroethene	6.84	96	190837	20.17	ug/l	97
28) Bromochloromethane	7.20	49	135392	18.53	ug/l	94
29) Tetrahydrofuran	7.22	42	225687	87.30	ug/l	98
30) Chloroform	7.37	83	318474	20.07	ug/l	98
31) Cyclohexane	7.66	56	263687	18.48	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	270478	19.84	ug/l	99
36) 1,1-Dichloropropene	7.79	75	236145	19.81	ug/l	99
37) Ethyl Acetate	6.94	43	156761	18.26	ug/l	99
38) Carbon Tetrachloride	7.78	117	239290	19.24	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	240695	18.49	ug/l	99
40) Benzene	8.04	78	713214	19.46	ug/l	99
41) Methacrylonitrile	7.18	41	77759	17.03	ug/l	85
42) 1,2-Dichloroethane	8.13	62	225906	19.41	ug/l	98
43) Isopropyl Acetate	8.17	43	269663	18.19	ug/l	97
44) Trichloroethene	8.84	130	193745	19.67	ug/l	97
45) 1,2-Dichloropropane	9.12	63	184397	19.13	ug/l	98
46) Dibromomethane	9.21	93	114343	19.21	ug/l	97
47) Bromodichloromethane	9.40	83	237642	19.28	ug/l	100
48) Methyl methacrylate	9.20	41	133712	18.00	ug/l	98
49) 1,4-Dioxane	9.20	88	40016	349.45	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	959025	89.84	ug/l	99
52) Toluene	10.16	92	446948	20.30	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238795	19.29	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	273922	19.83	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	167914	19.53	ug/l	98
56) Ethyl methacrylate	10.43	69	208448	18.26	ug/l	98
57) 1,3-Dichloropropane	10.71	76	276199	19.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	470983	88.00	ug/l	98
59) 2-Hexanone	10.75	43	643798	86.42	ug/l	98
60) Dibromochloromethane	10.90	129	183906	19.42	ug/l	99
61) 1,2-Dibromoethane	11.01	107	163096	19.25	ug/l	98
64) Tetrachloroethene	10.63	164	184472	19.87	ug/l	98
65) Chlorobenzene	11.44	112	488764	19.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180243	19.88	ug/l	99
67) Ethyl Benzene	11.51	91	813765	20.21	ug/l	99
68) m/p-Xylenes	11.62	106	646494	42.17	ug/l	99
69) o-Xylene	11.95	106	307391	20.82	ug/l	98
70) Styrene	11.97	104	497833	20.73	ug/l	99
71) Bromoform	12.13	173	130001	19.62	ug/l #	99
73) Isopropylbenzene	12.25	105	811139	20.81	ug/l	100
74) N-amyl acetate	12.07	43	225823	17.88	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	213612	19.00	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	251121	26.72	ug/l #	100
77) Bromobenzene	12.53	156	214815	20.58	ug/l	98
78) n-propylbenzene	12.59	91	912116	20.68	ug/l	99
79) 2-Chlorotoluene	12.68	91	565255	20.75	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	664846	21.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49677	18.57	ug/l	98
82) 4-Chlorotoluene	12.77	91	566108	20.84	ug/l	99
83) tert-Butylbenzene	12.99	119	578673	20.97	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	684083	21.35	ug/l	100
85) sec-Butylbenzene	13.17	105	748070	20.34	ug/l	100
86) p-Isopropyltoluene	13.29	119	644931	20.46	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	375146	20.17	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	368166	19.83	ug/l	99
89) n-Butylbenzene	13.62	91	496762	18.51	ug/l	100
90) Hexachloroethane	13.88	117	107654	19.21	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	371046	19.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32868	17.22	ug/l	99

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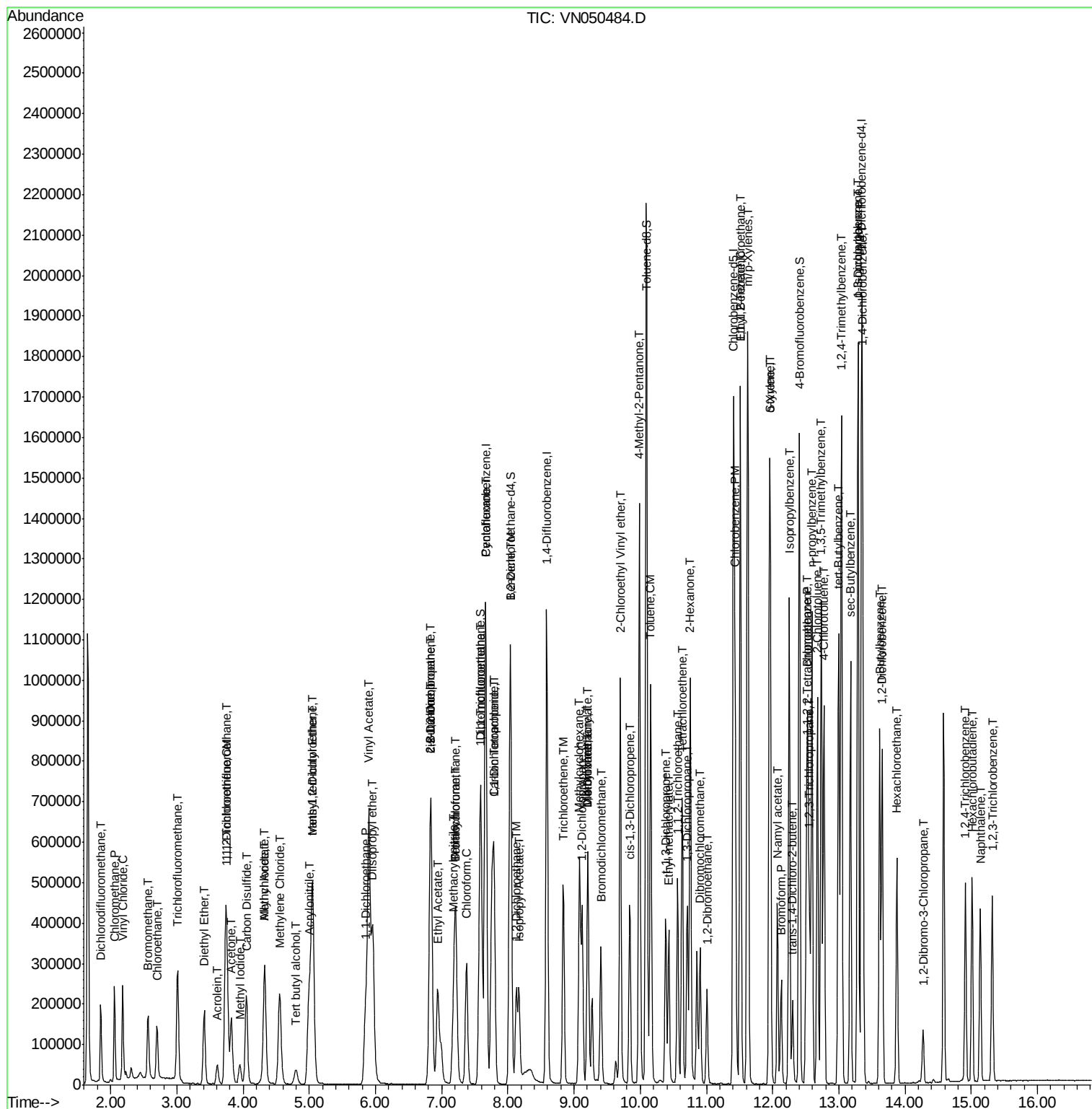
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171781	18.09	ug/l	98
94) Hexachlorobutadiene	15.01	225	110181	20.27	ug/l	99
95) Naphthalene	15.14	128	370160	17.28	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	167544	17.45	ug/l	100

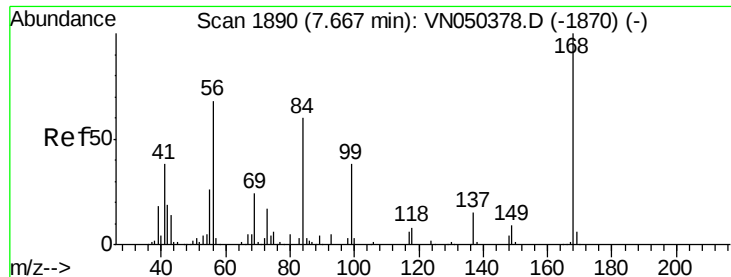
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

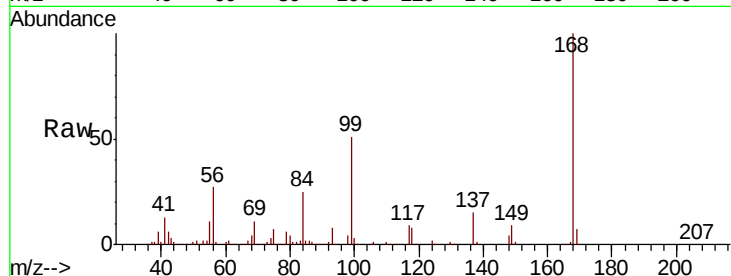
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 729476

Ion Ratio Lower Upper

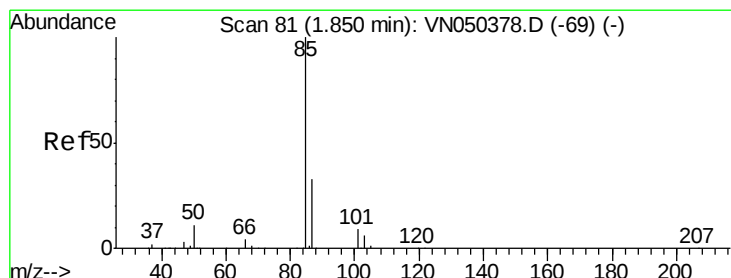
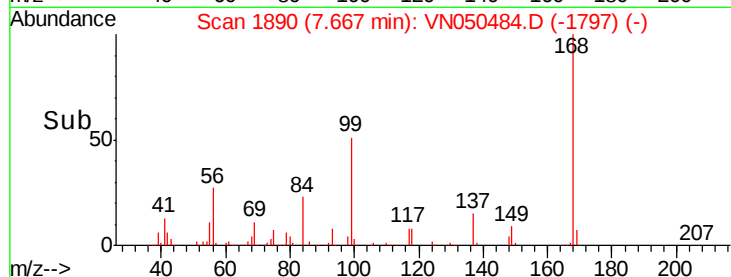
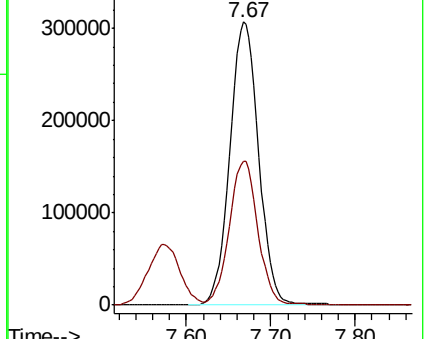
168 100

99 50.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.63 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050484.D

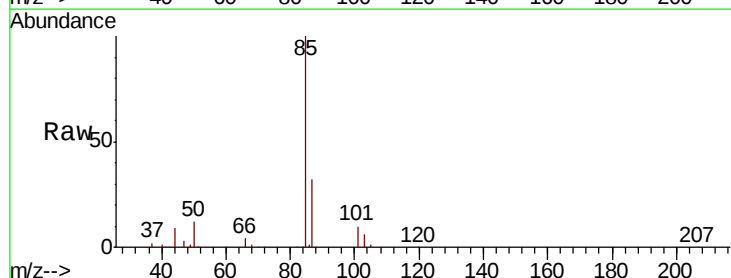
Acq: 9 Aug 2018 14:37

Tgt Ion: 85 Resp: 150885

Ion Ratio Lower Upper

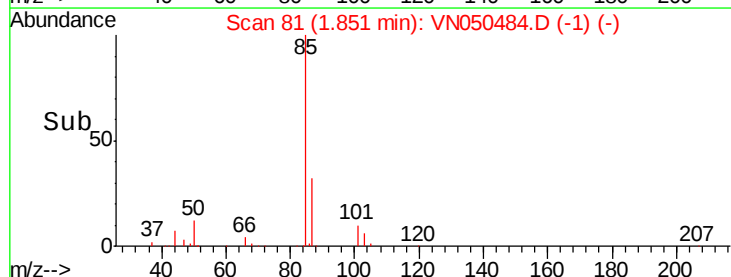
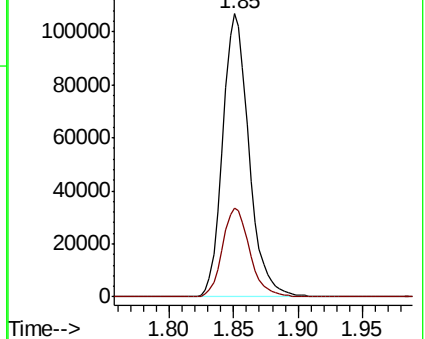
85 100

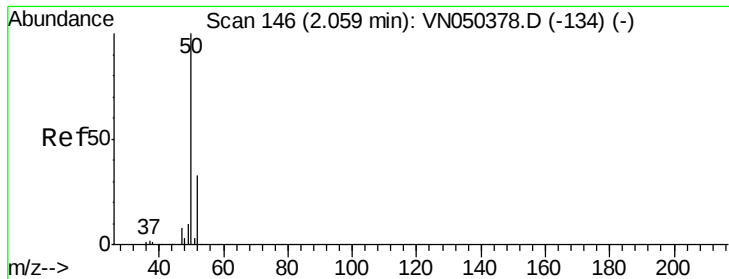
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

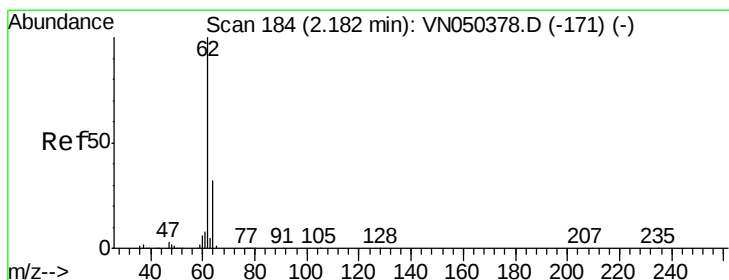
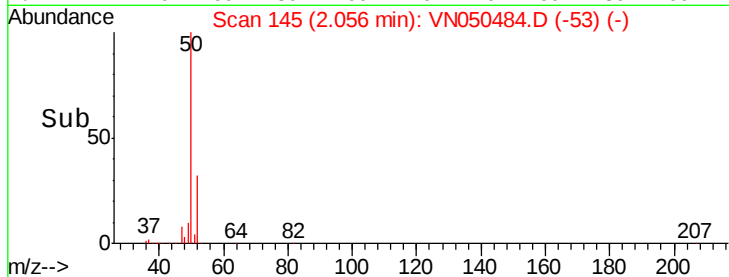
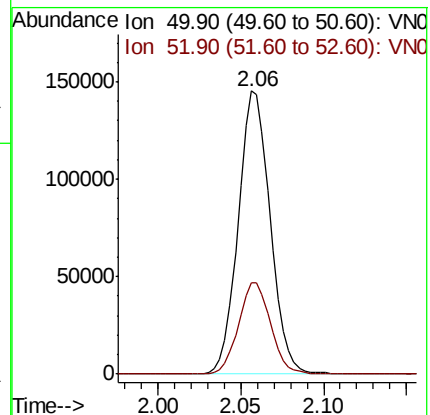
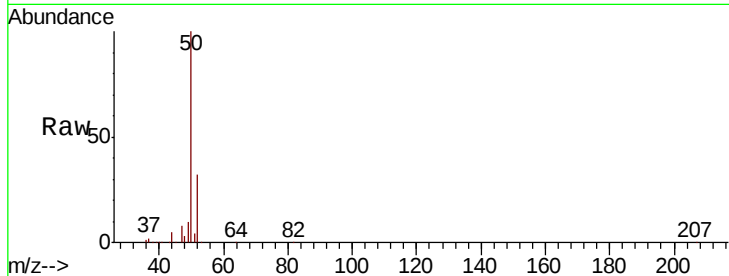
ClientSampleId :

Tot Ion: 50 Resp: 194689

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



#4

Vinyl Chloride

Concen: 19.57 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050484.D

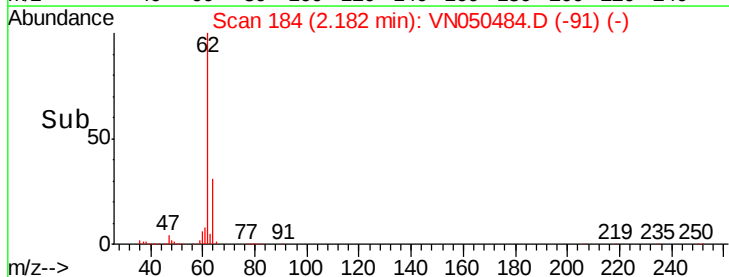
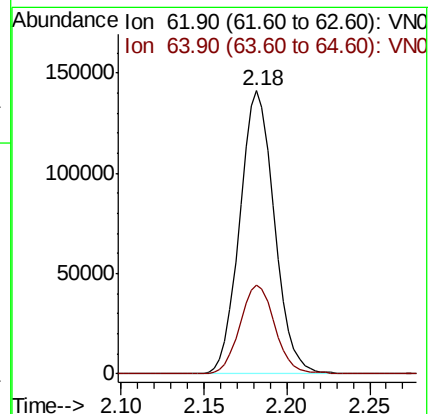
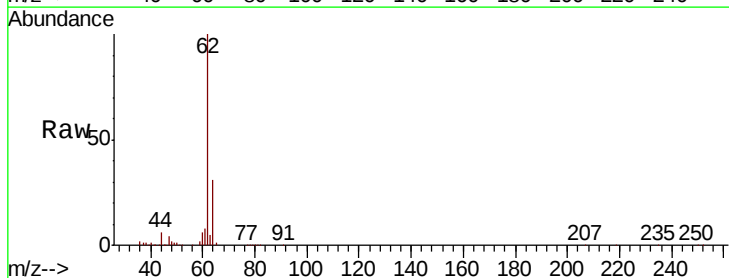
Acq: 9 Aug 2018 14:37

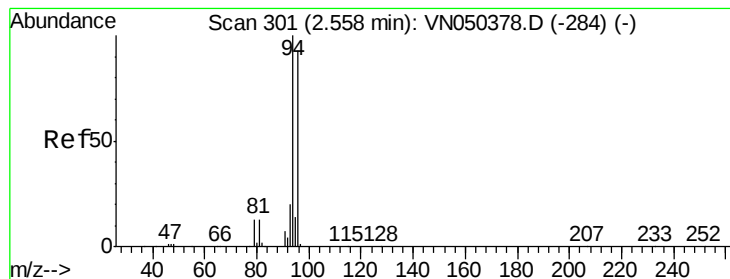
Tgt Ion: 62 Resp: 205151

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 21.84 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

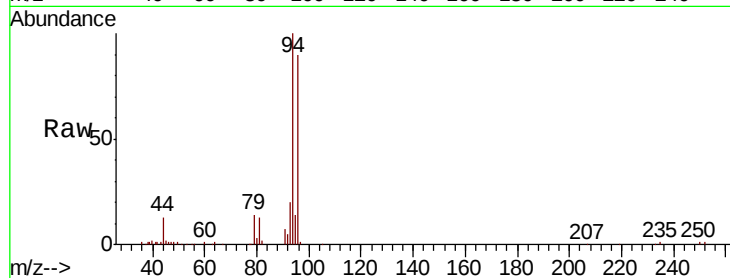
ClientSampleId :

Tot Ion: 94 Resp: 110491

Ion Ratio Lower Upper

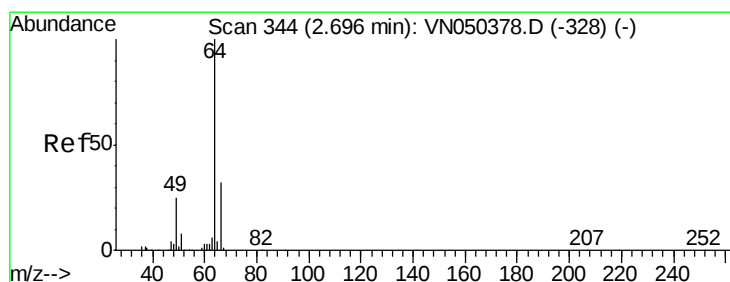
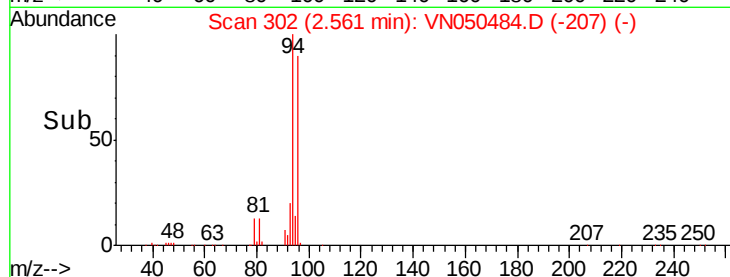
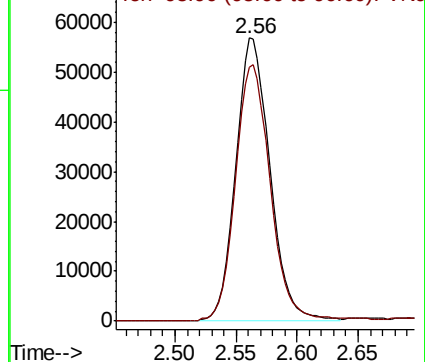
94 100

96 89.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.62 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050484.D

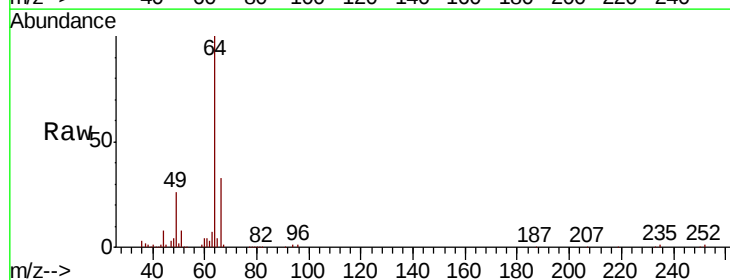
Acq: 9 Aug 2018 14:37

Tgt Ion: 64 Resp: 126717

Ion Ratio Lower Upper

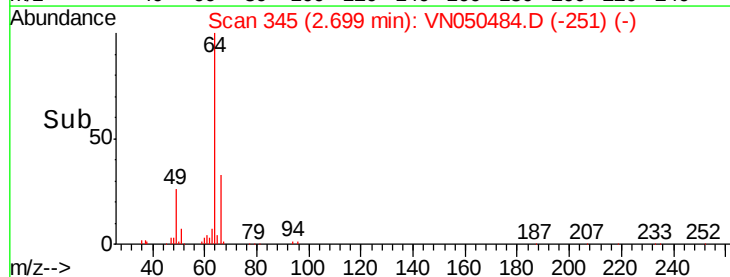
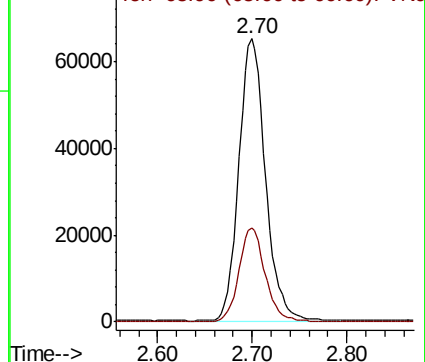
64 100

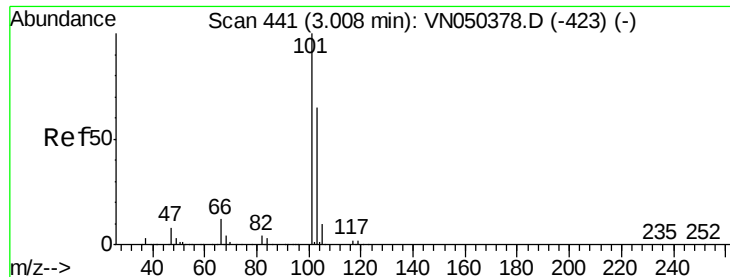
66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



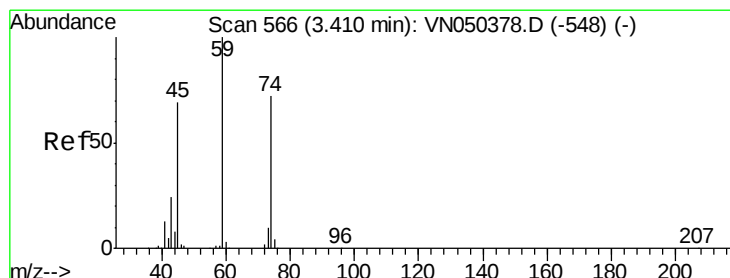
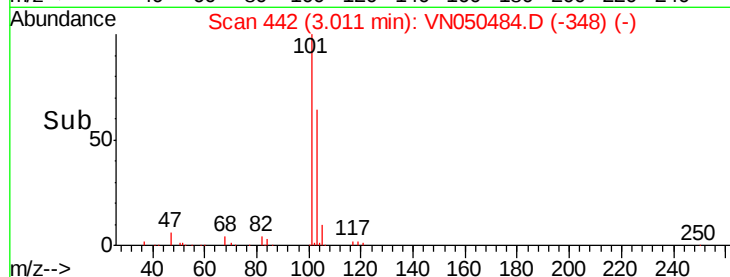
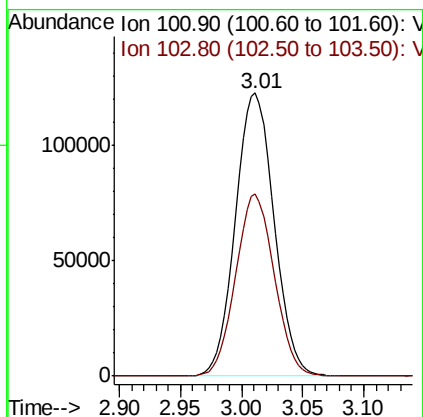
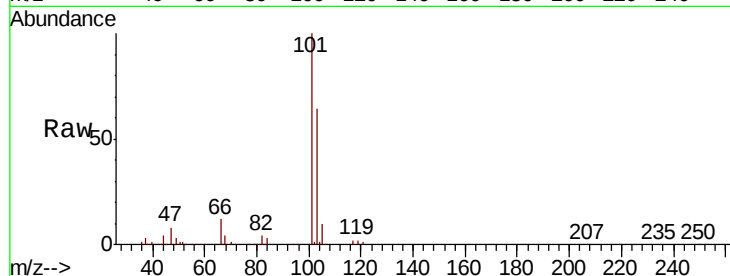


#7

Trichlorofluoromethane
 Concen: 19.92 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Instrument :
 MSVOA_N
 ClientSampled :

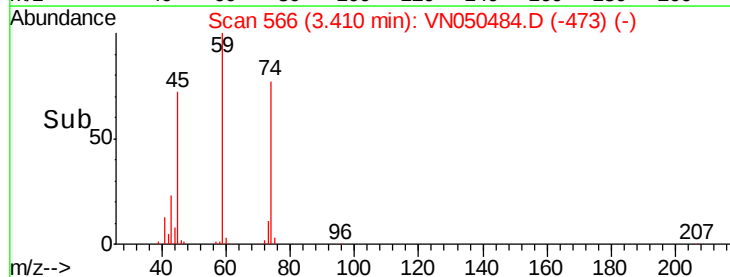
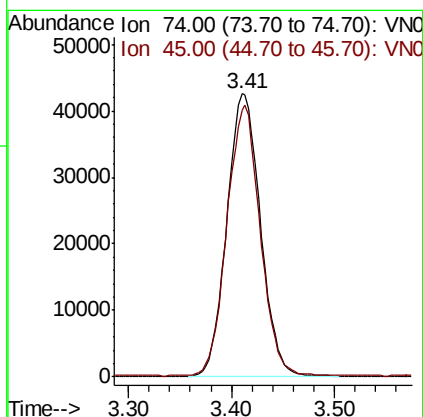
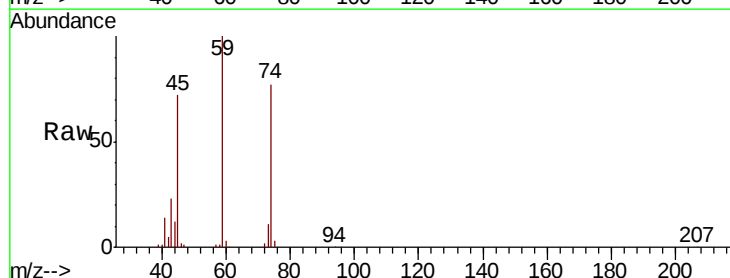
Tot Ion:101 Resp: 269642
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

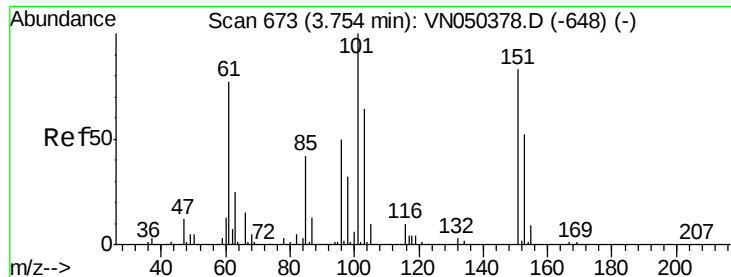


#8

Diethyl Ether
 Concen: 19.51 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 74 Resp: 96840
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.41 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

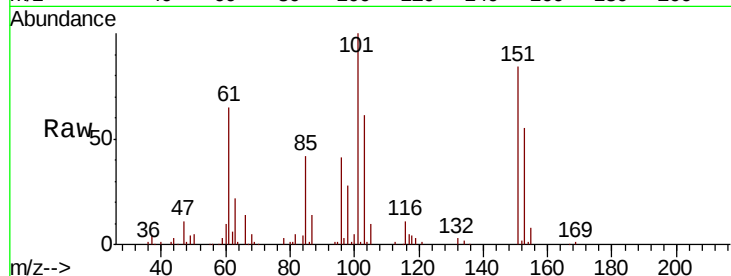
Tot Ion:101 Resp: 162344

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

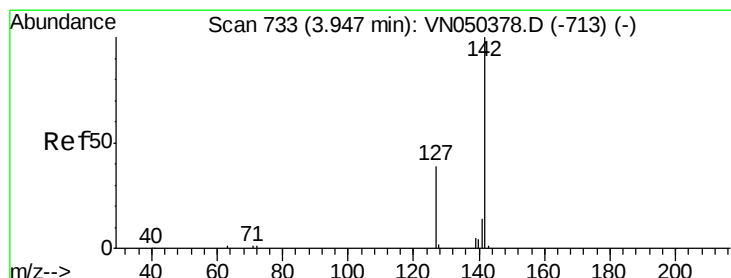
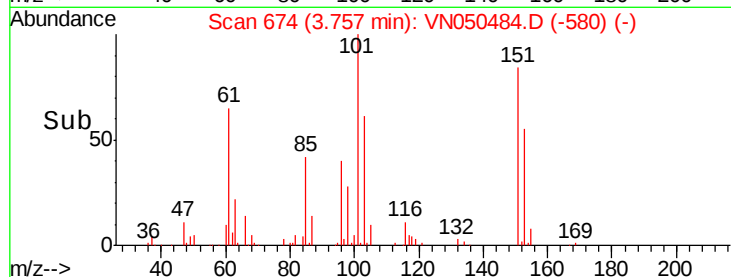
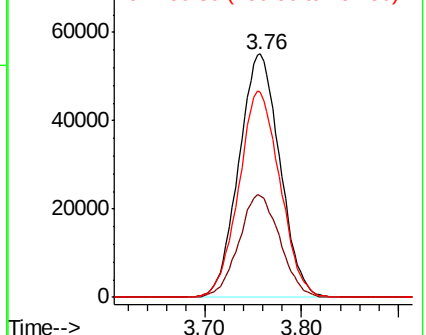
151 85.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.40 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

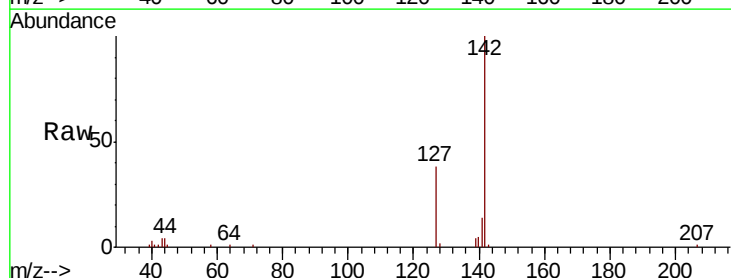
Tgt Ion:142 Resp: 78867

Ion Ratio Lower Upper

142 100

127 40.1 33.4 50.2

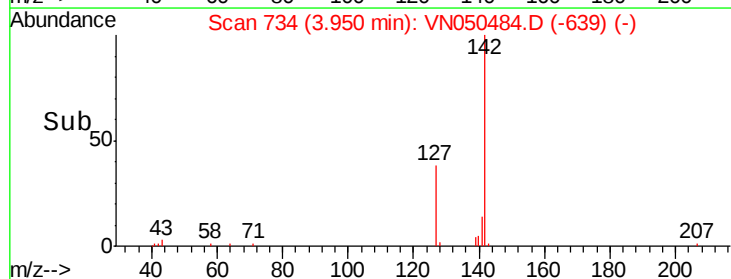
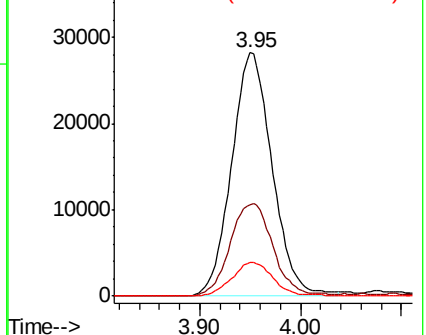
141 14.1 11.6 17.4

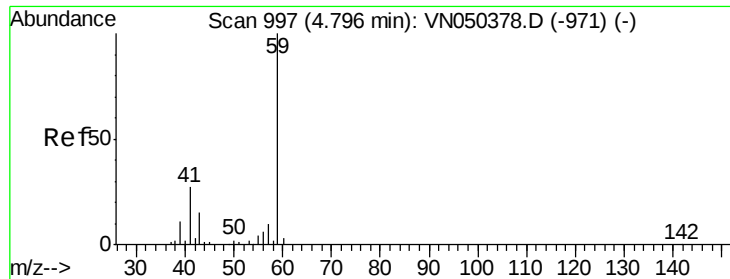


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

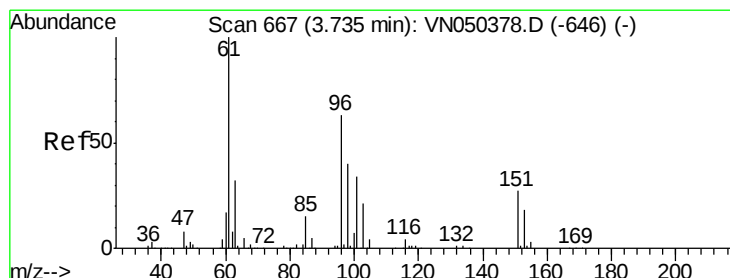
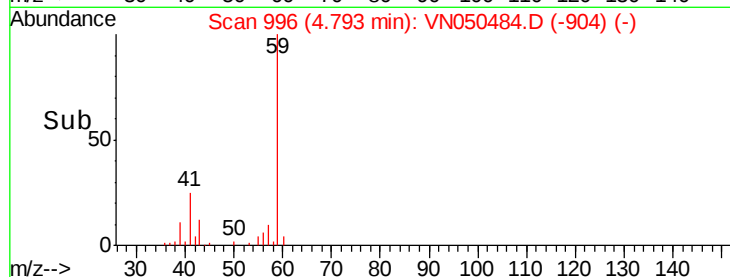
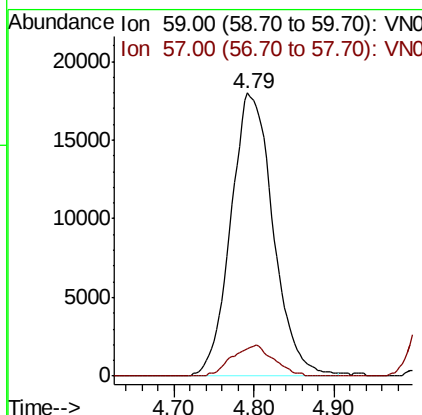
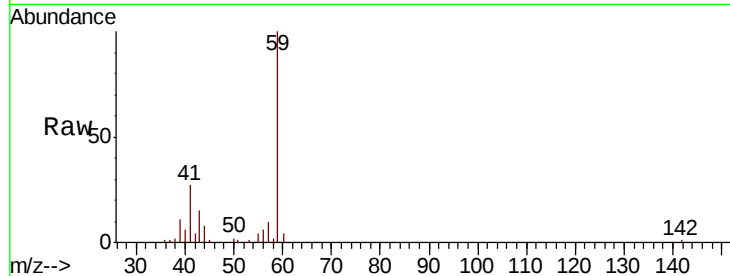




#11
Tert butyl alcohol
Concen: 82.62 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

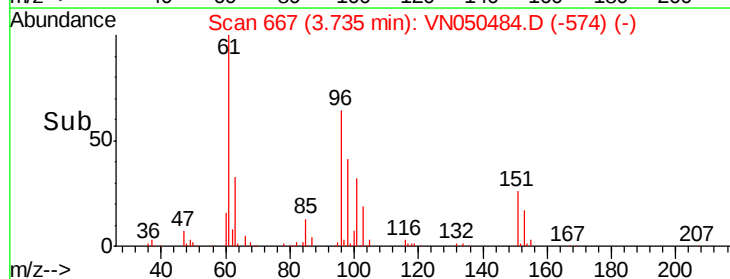
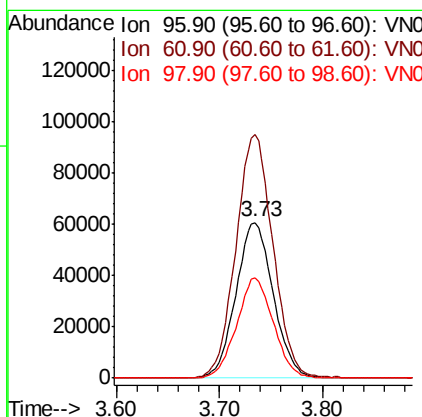
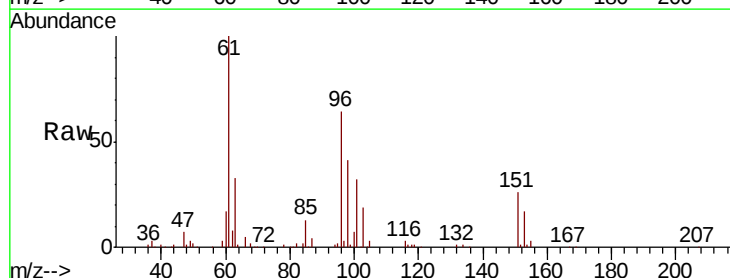
Instrument :
MSVOA_N
ClientSampled :

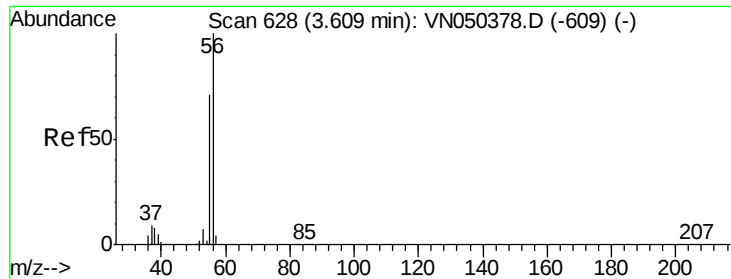
Tot Ion: 59 Resp: 64692
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.34 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 96 Resp: 152494
Ion Ratio Lower Upper
96 100
61 156.6 124.4 186.6
98 64.6 48.3 72.5

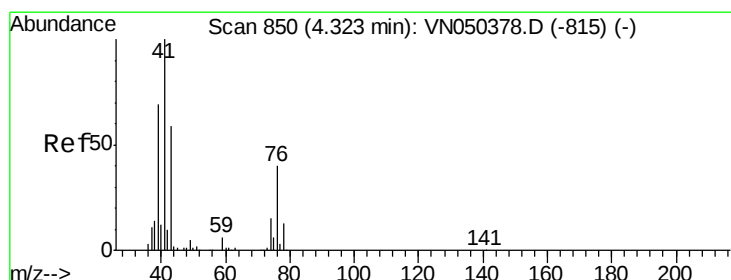
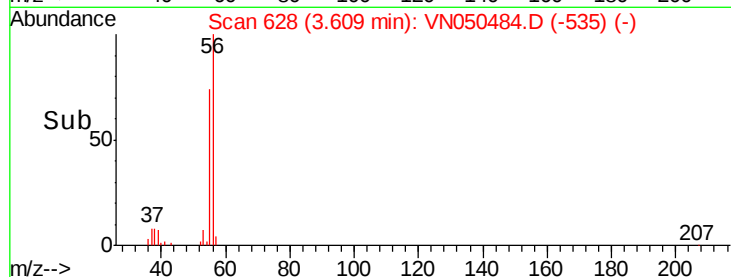
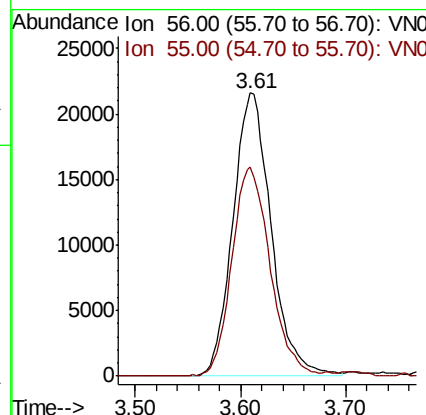
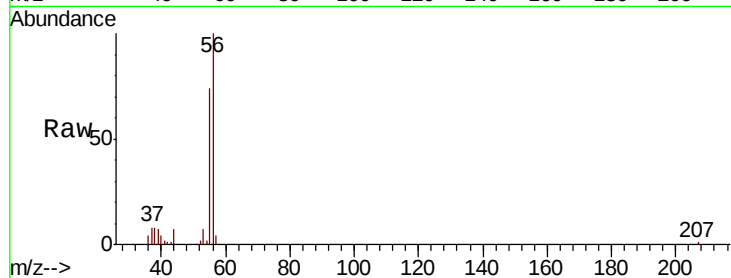




#13
 Acrolein
 Concen: 65.36 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

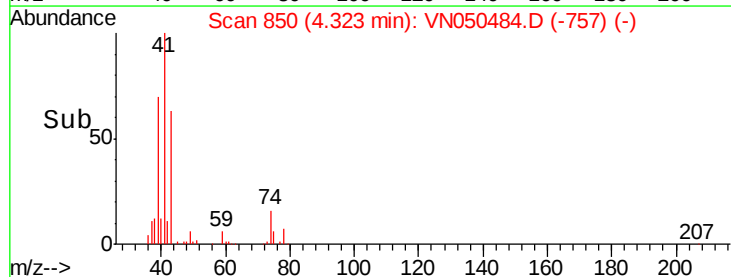
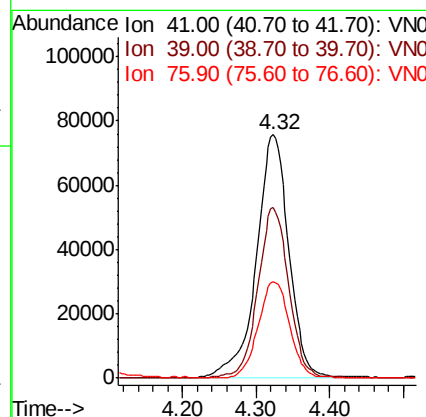
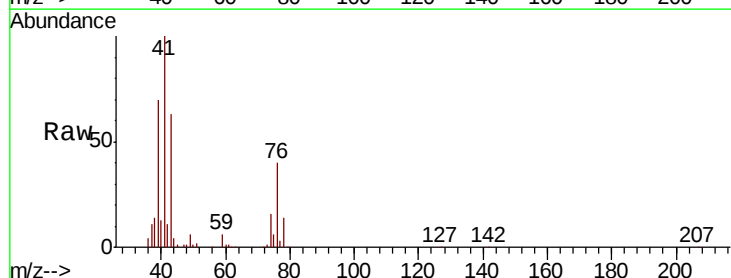
Instrument :
 MSVOA_N
 ClientSampleId :

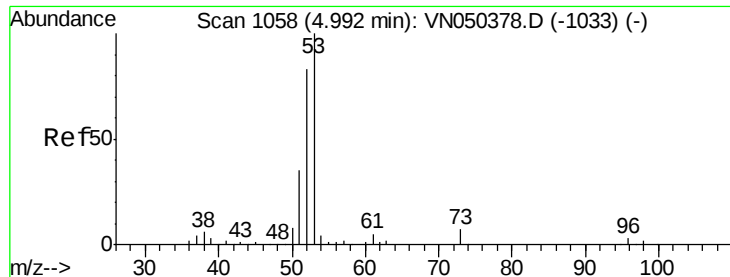
Tot Ion: 56 Resp: 54554
 Ion Ratio Lower Upper
 56 100
 55 73.3 55.8 83.6



#14
 Allyl chloride
 Concen: 18.33 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 41 Resp: 232189
 Ion Ratio Lower Upper
 41 100
 39 66.6 54.2 81.4
 76 37.7 29.0 43.6





#15

Acrylonitrile

Concen: 91.77 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

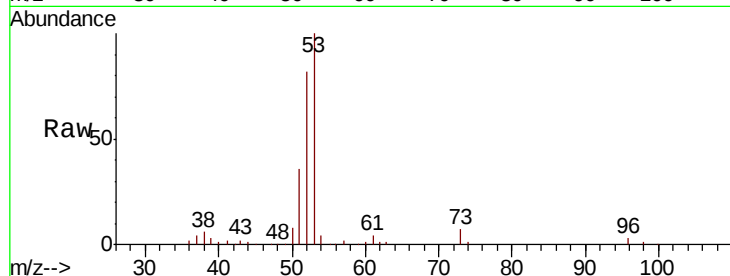
Tot Ion: 53 Resp: 300962

Ion Ratio Lower Upper

53 100

52 80.4 66.2 99.2

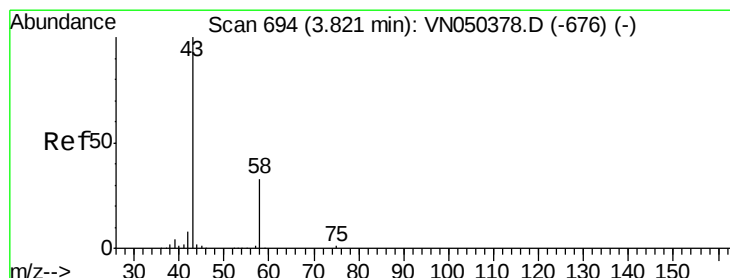
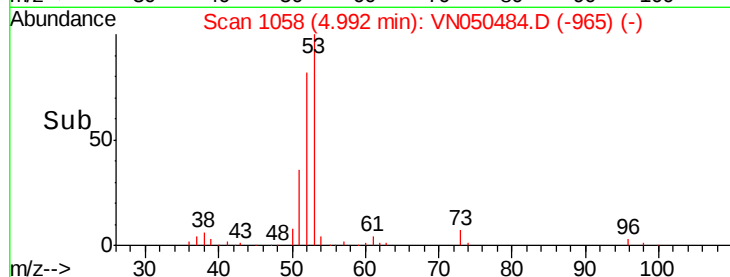
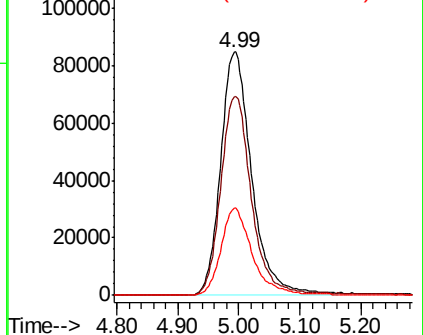
51 36.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 91.06 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050484.D

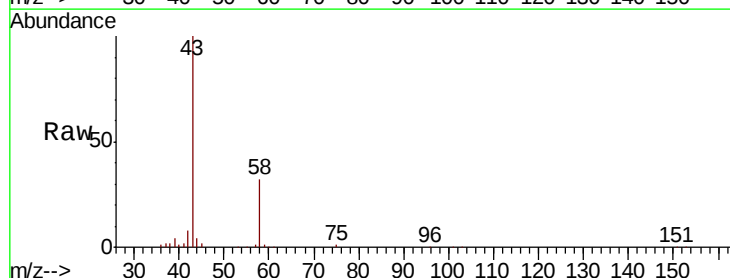
Acq: 9 Aug 2018 14:37

Tgt Ion: 43 Resp: 265332

Ion Ratio Lower Upper

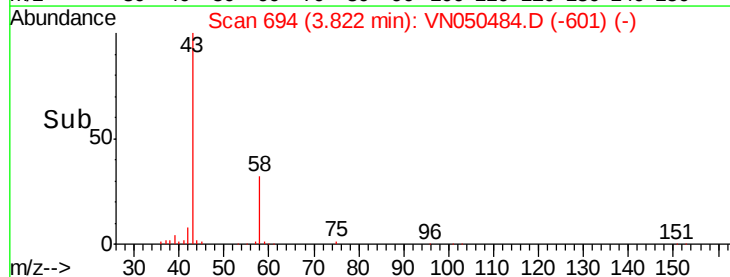
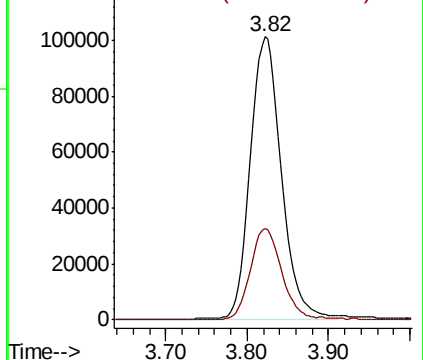
43 100

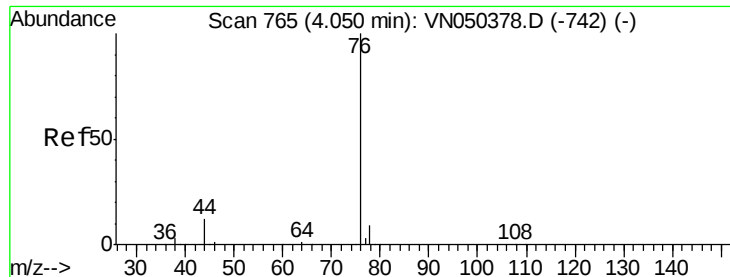
58 32.2 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

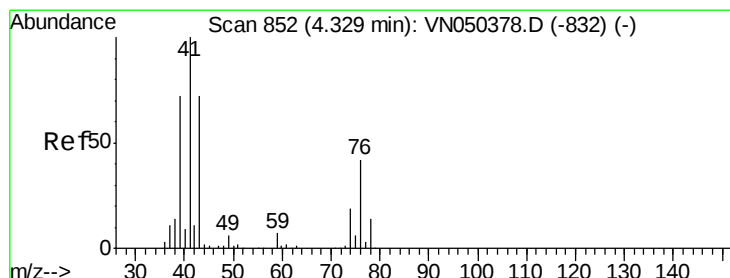
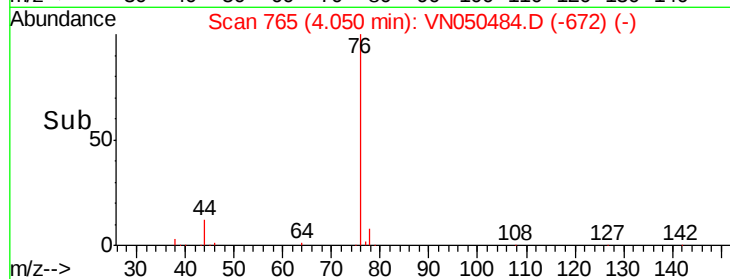
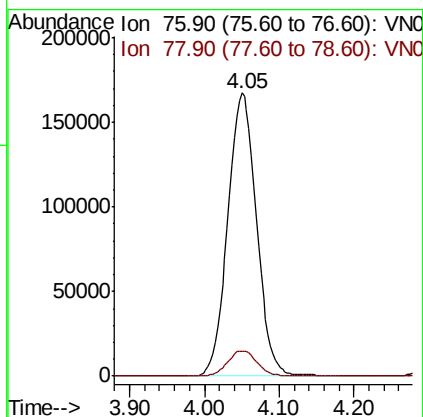
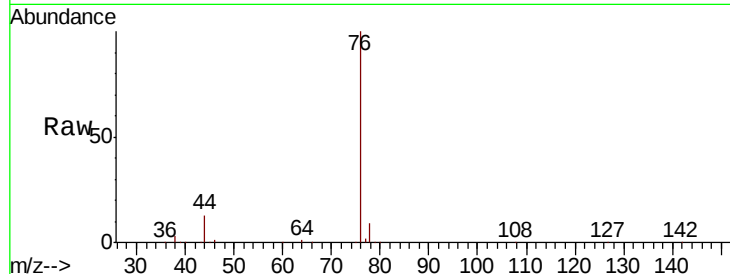




#17
Carbon Disulfide
Concen: 17.42 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

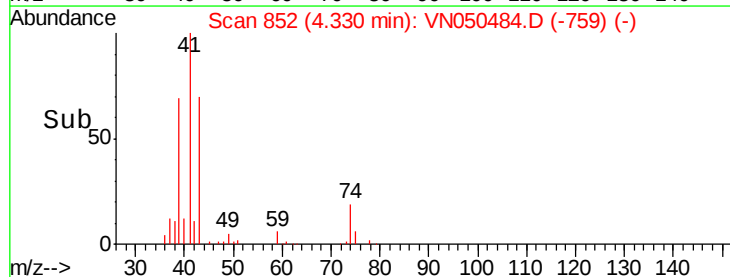
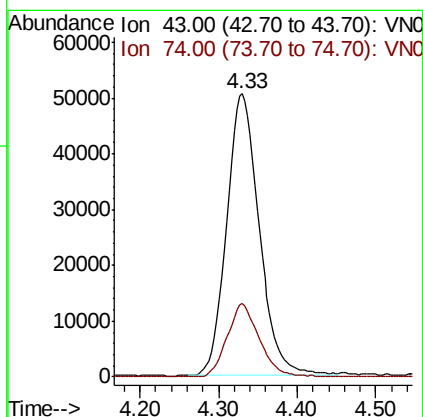
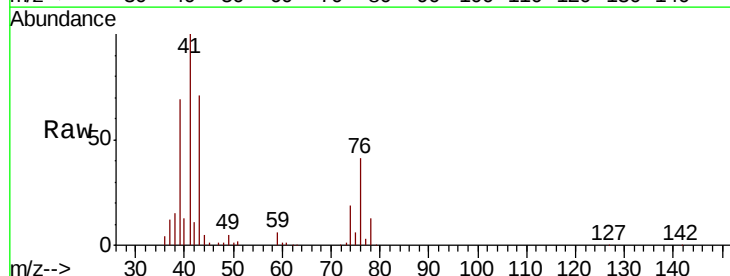
Instrument :
MSVOA_N
ClientSampleId :

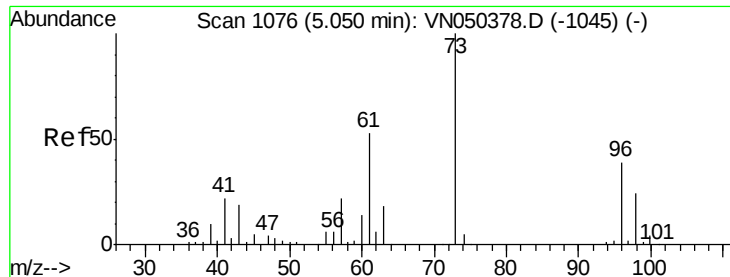
Tot Ion: 76 Resp: 446626
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 19.16 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 43 Resp: 145640
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8

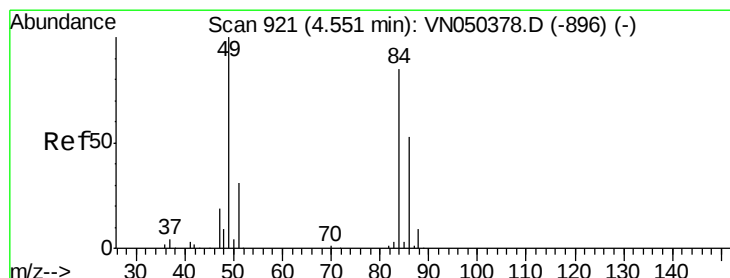
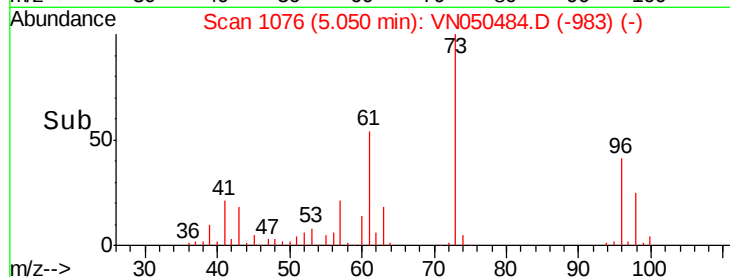
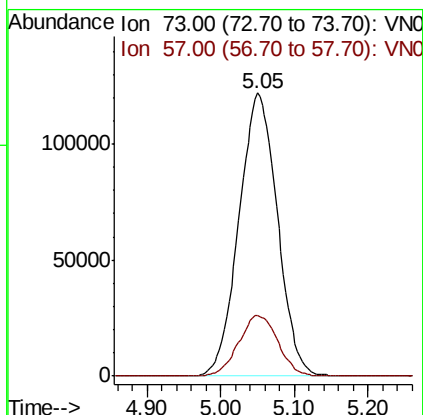
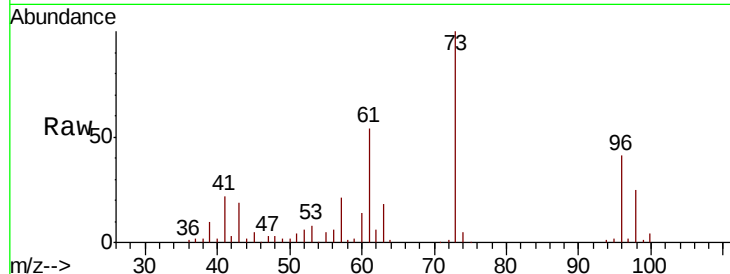




#19
Methyl tert-butyl Ether
Concen: 19.79 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

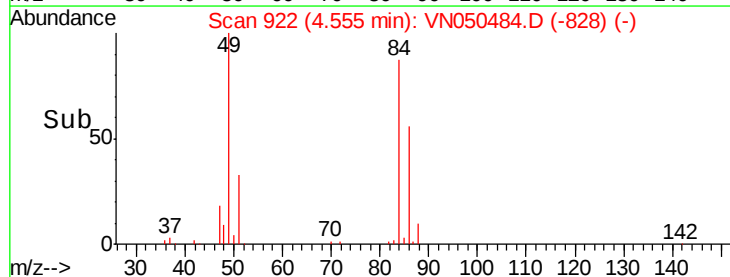
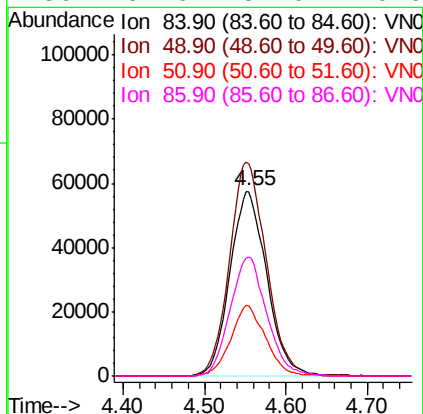
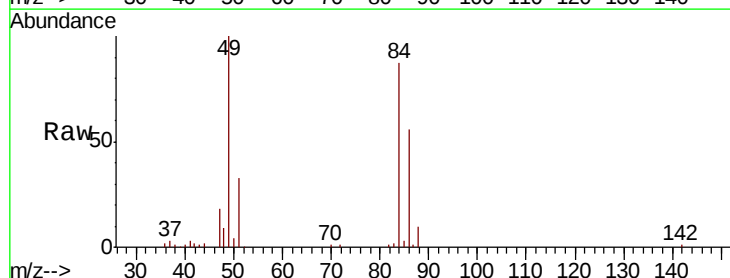
Instrument :
MSVOA_N
ClientSampled :

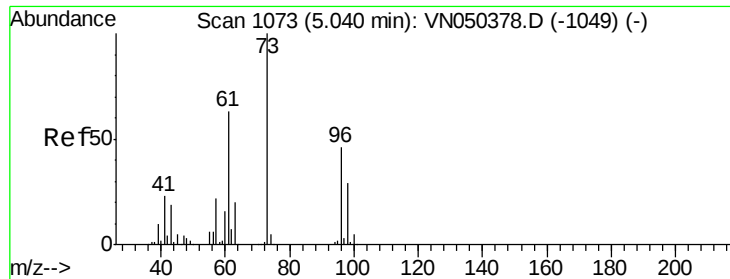
Tot Ion: 73 Resp: 442906
Ion Ratio Lower Upper
73 100
57 21.4 18.0 27.0



#20
Methylene Chloride
Concen: 19.31 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 84 Resp: 180085
Ion Ratio Lower Upper
84 100
49 114.9 94.8 142.2
51 37.8 28.3 42.5
86 64.6 51.0 76.6

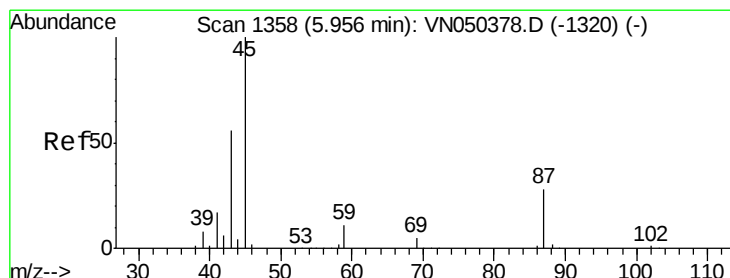
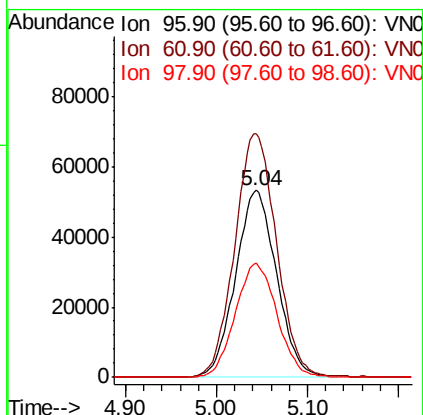
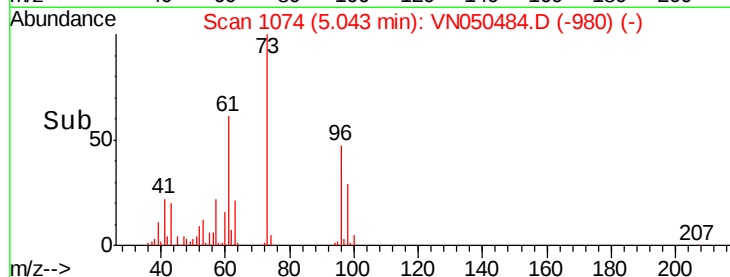
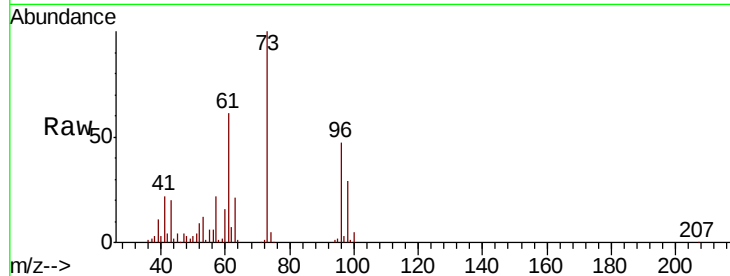




#21
trans-1,2-Dichloroethene
Concen: 19.58 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

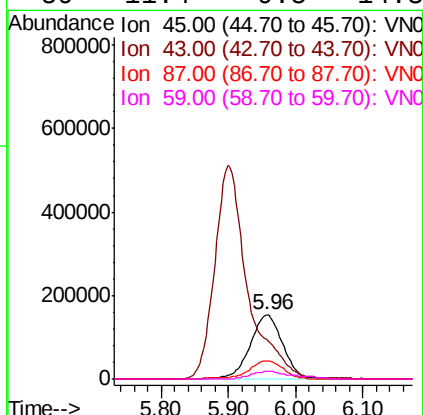
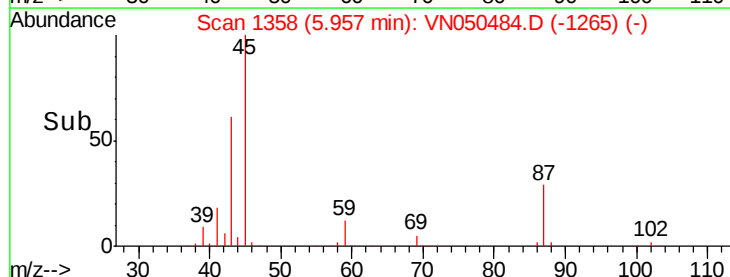
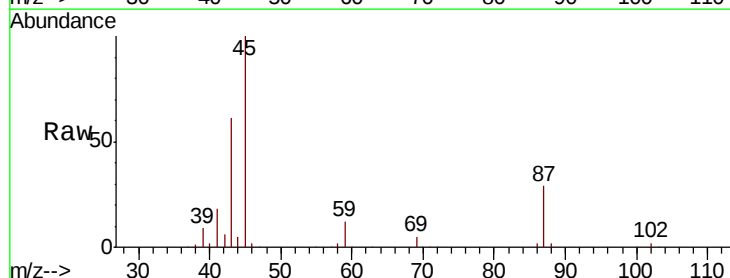
Instrument :
MSVOA_N
ClientSampleId :

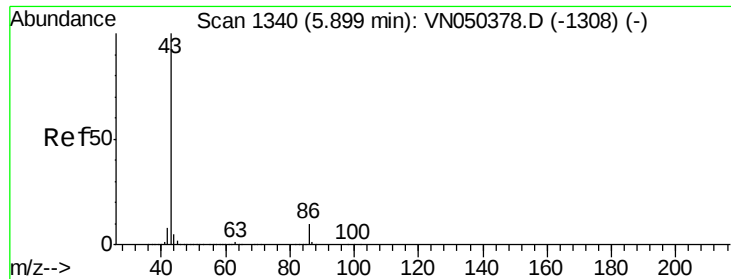
Tot Ion: 96 Resp: 167103
Ion Ratio Lower Upper
96 100
61 129.6 110.7 166.1
98 60.9 51.6 77.4



#22
Diisopropyl ether
Concen: 19.87 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 45 Resp: 514049
Ion Ratio Lower Upper
45 100
43 59.7 45.7 68.5
87 28.5 22.7 34.1
59 11.4 9.5 14.3

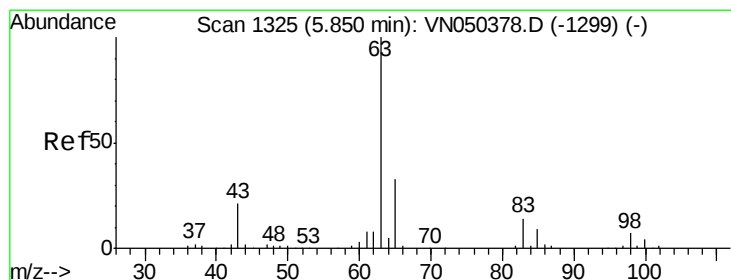
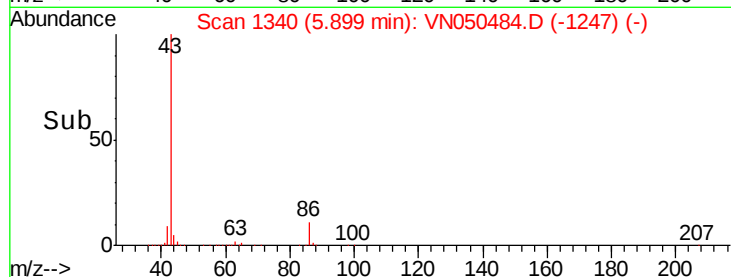
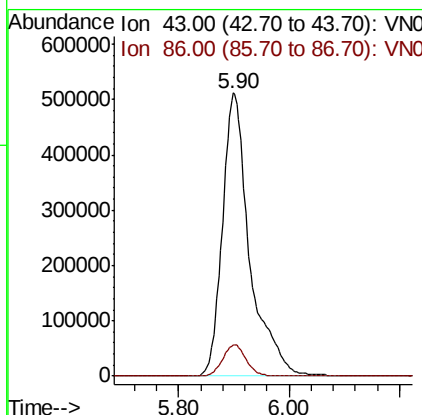
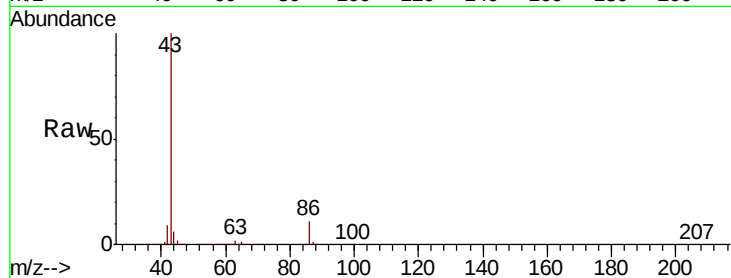




#23
 Vinyl Acetate
 Concen: 94.98 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

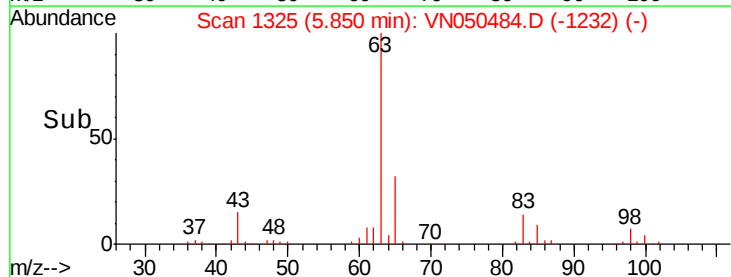
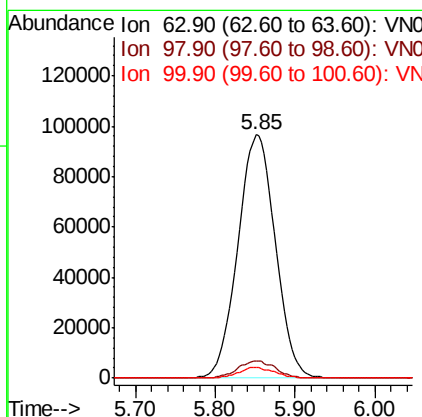
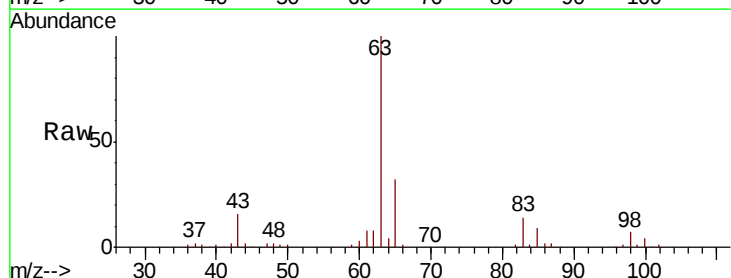
Instrument :
 MSVOA_N
 ClientSampled :

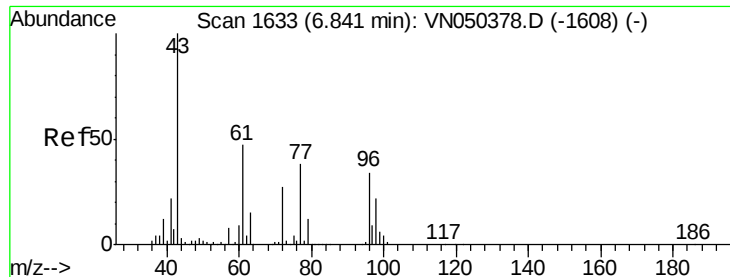
Tot Ion: 43 Resp: 1753355
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.35 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 63 Resp: 307144
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.8
 100 4.3 2.1 6.3

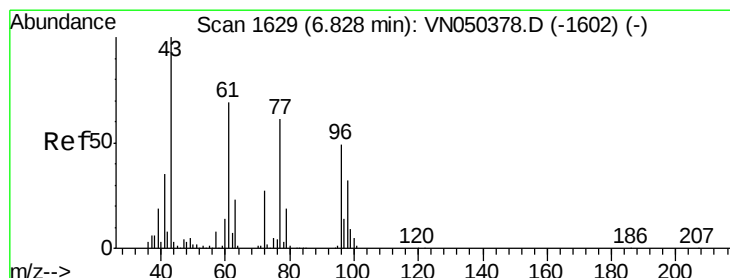
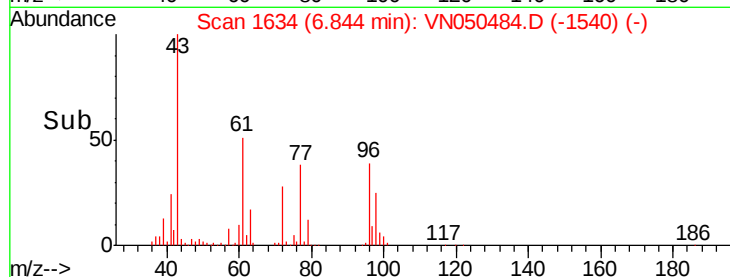
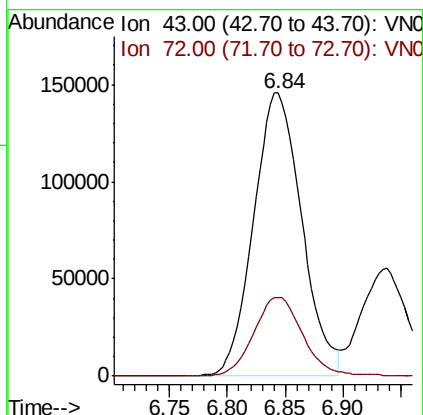
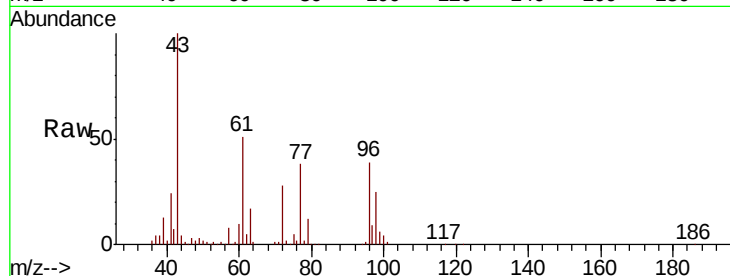




#25
2-Butanone
Concen: 87.06 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

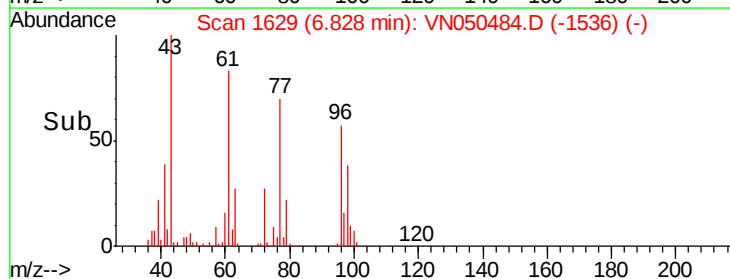
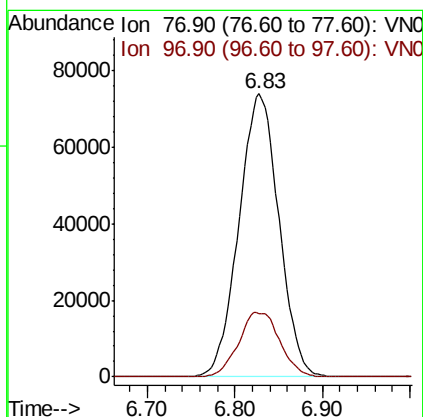
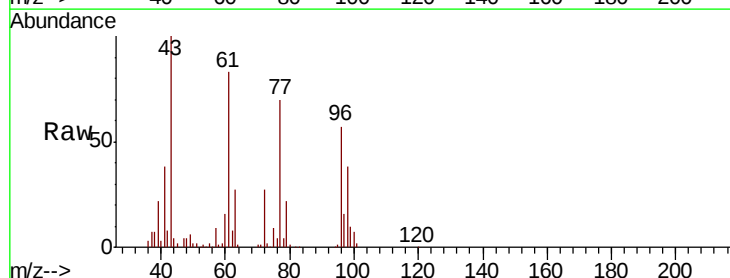
Instrument :
MSVOA_N
ClientSampled :

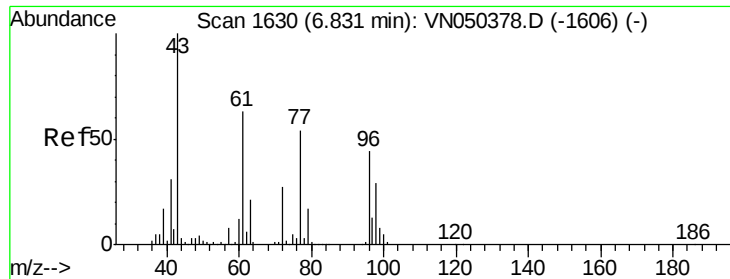
Tot Ion: 43 Resp: 420466
Ion Ratio Lower Upper
43 100
72 28.0 21.5 32.3



#26
2,2-Dichloropropane
Concen: 17.94 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 77 Resp: 234790
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3

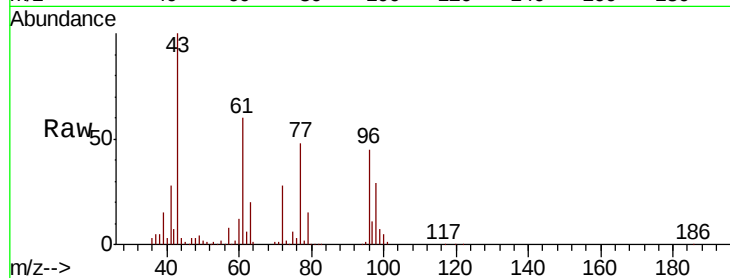




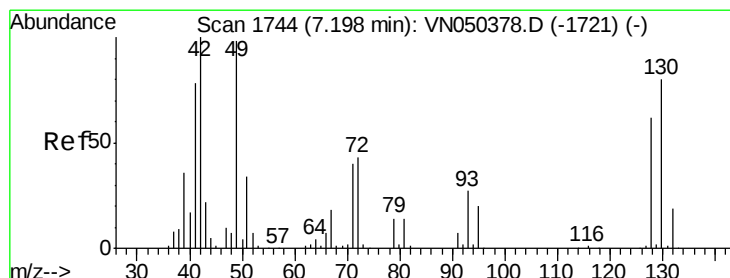
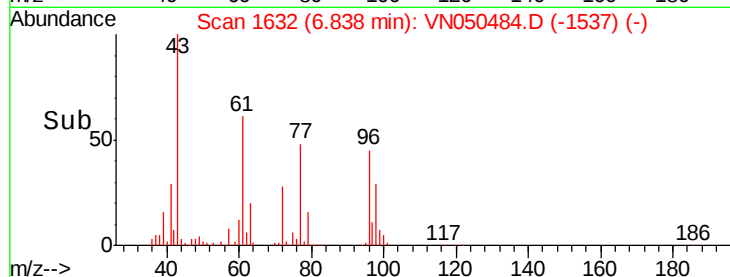
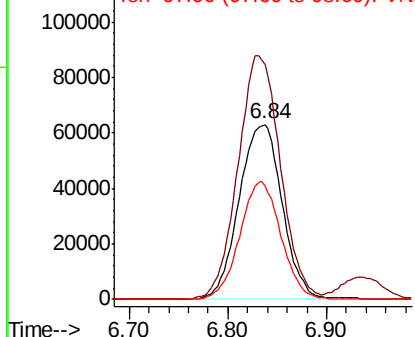
#27
 cis-1,2-Dichloroethene
 Concen: 20.17 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 190837
 Ion Ratio Lower Upper
 96 100
 61 137.6 0.0 285.0
 98 64.3 0.0 129.2

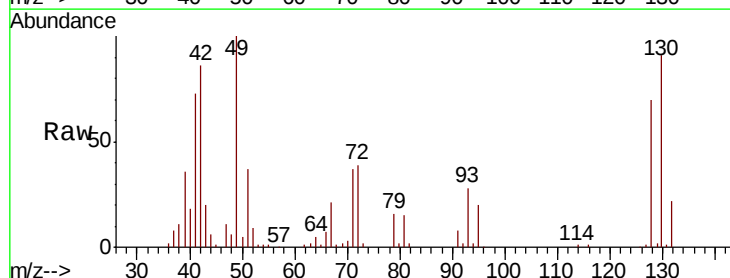


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

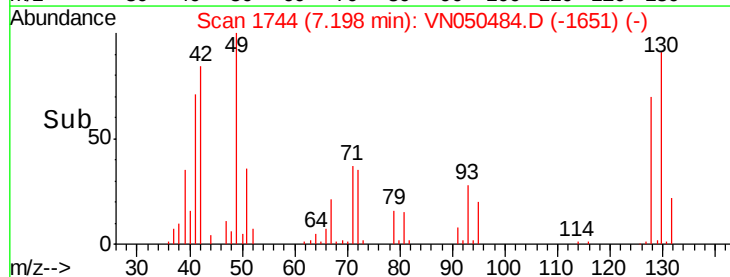
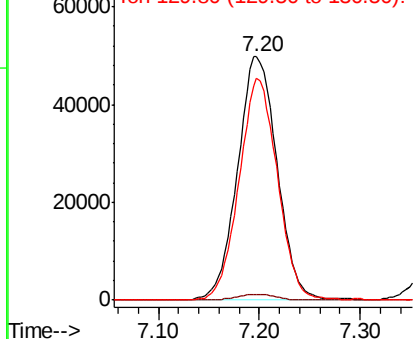


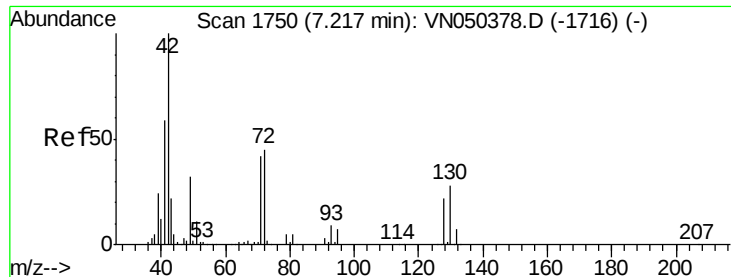
#28
 Bromochloromethane
 Concen: 18.53 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 49 Resp: 135392
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.0
 130 88.3 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

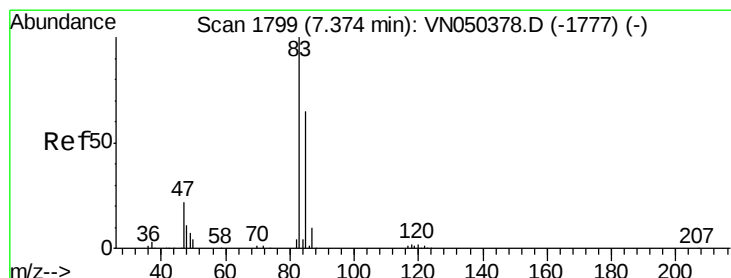
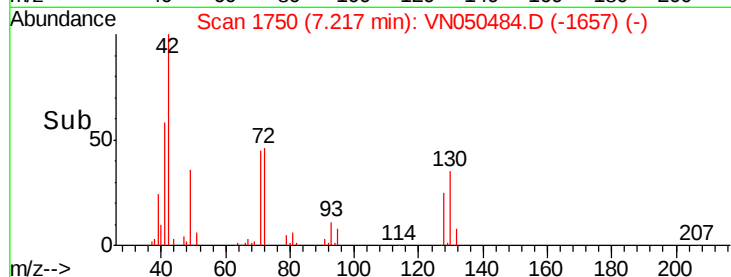
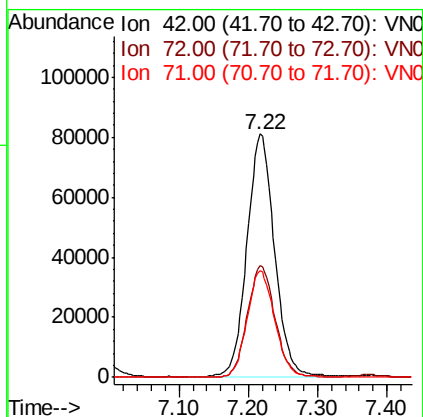
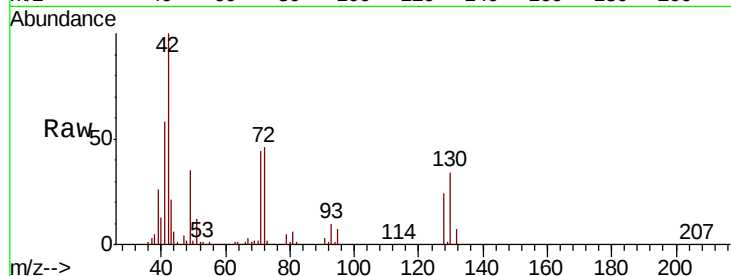




#29
Tetrahydrofuran
Concen: 87.30 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

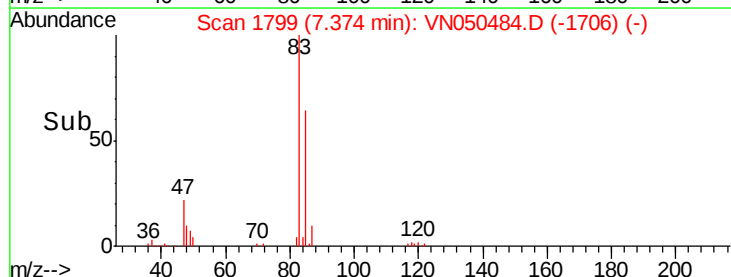
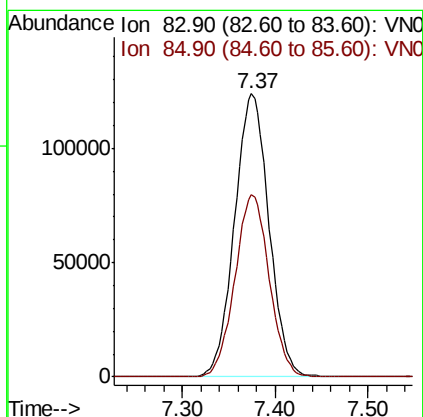
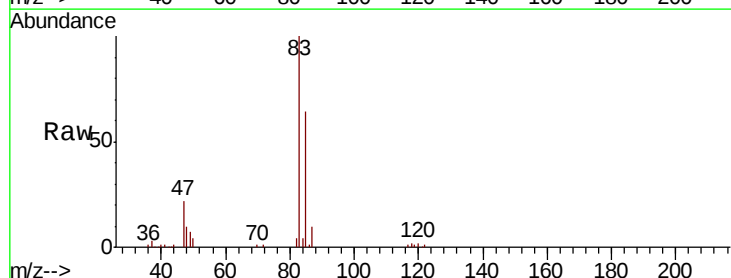
Instrument :
MSVOA_N
ClientSampleId :

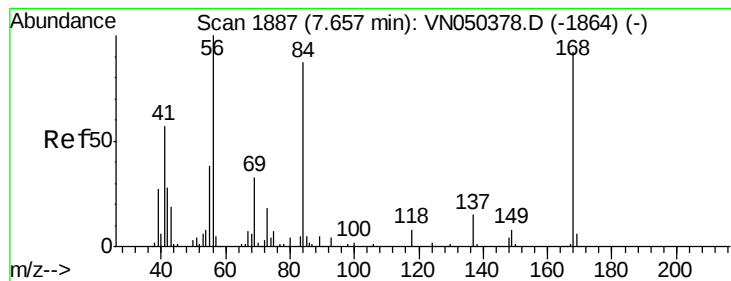
Tot Ion: 42 Resp: 225687
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 43.5 33.7 50.5



#30
Chloroform
Concen: 20.07 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 83 Resp: 318474
Ion Ratio Lower Upper
83 100
85 64.2 52.5 78.7





#31

Cyclohexane

Concen: 18.48 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :

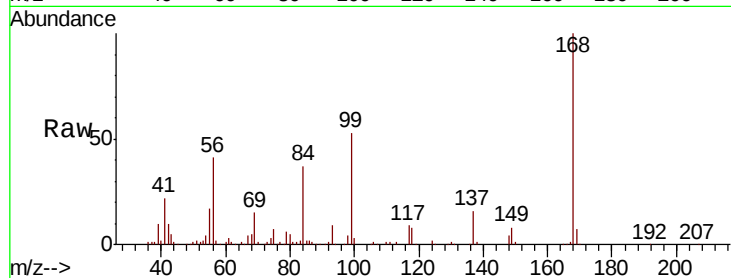
Tot Ion: 56 Resp: 263687

Ion Ratio Lower Upper

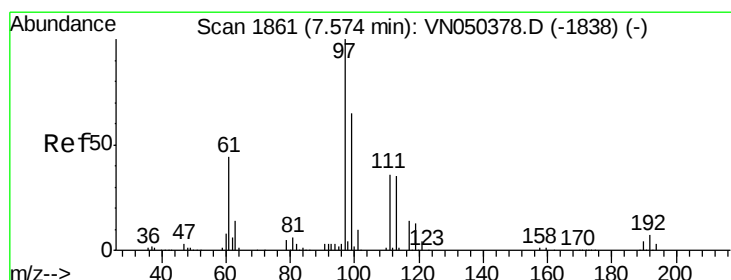
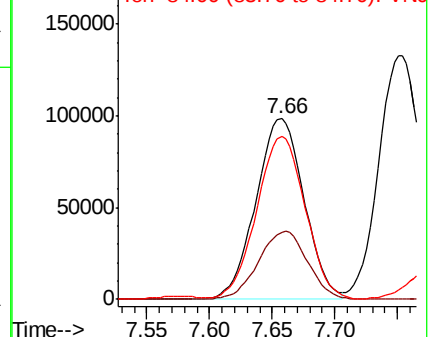
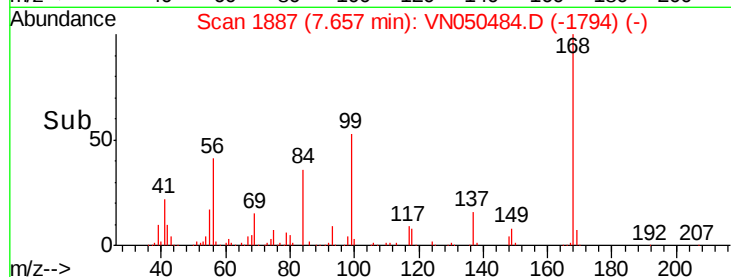
56 100

69 37.0 26.2 39.4

84 88.9 67.4 101.0



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: 19.84 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

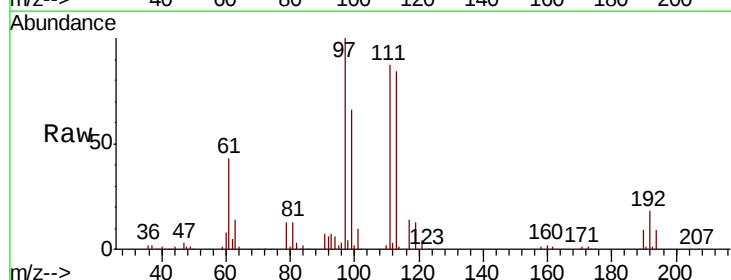
Tgt Ion: 97 Resp: 270478

Ion Ratio Lower Upper

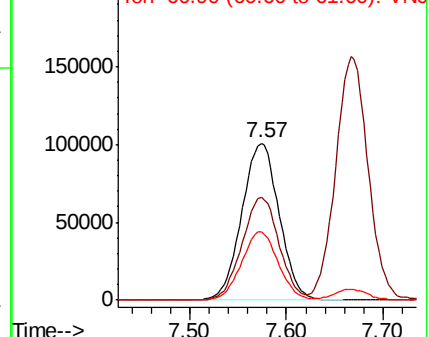
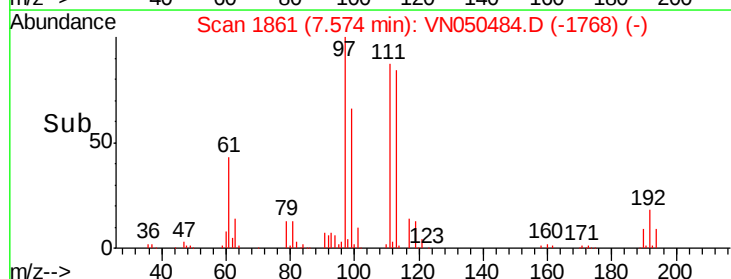
97 100

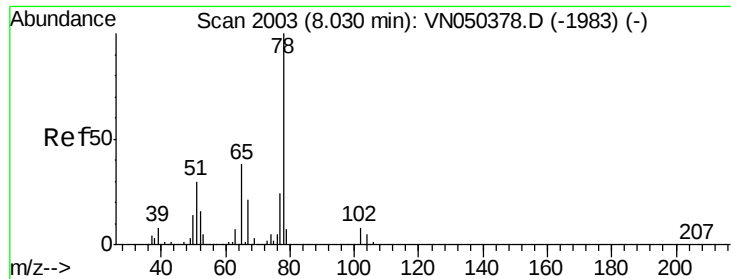
99 65.0 51.4 77.0

61 42.7 35.4 53.0



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

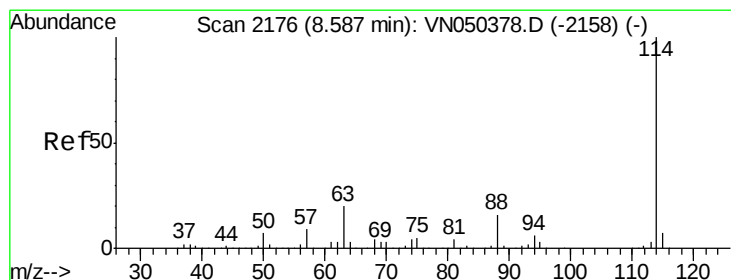
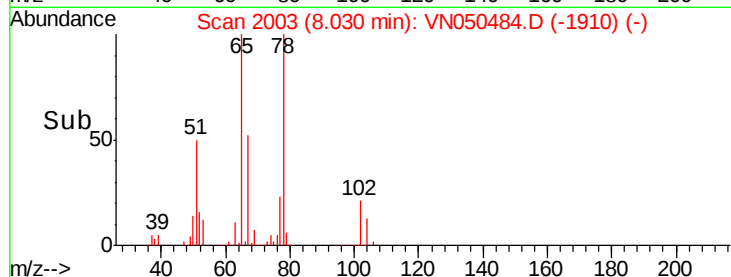
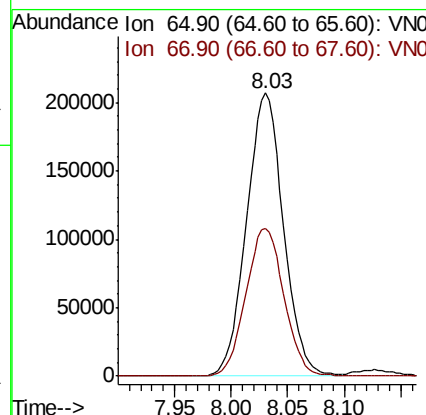
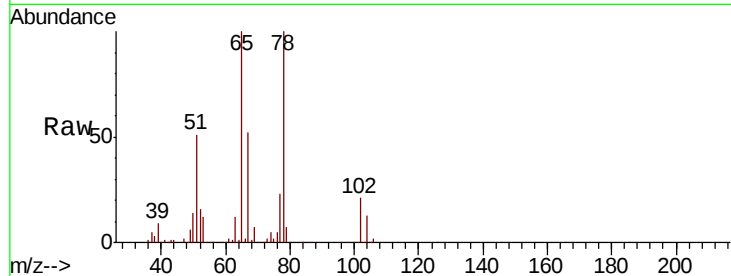




#33
 1,2-Dichloroethane-d4
 Concen: 48.18 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

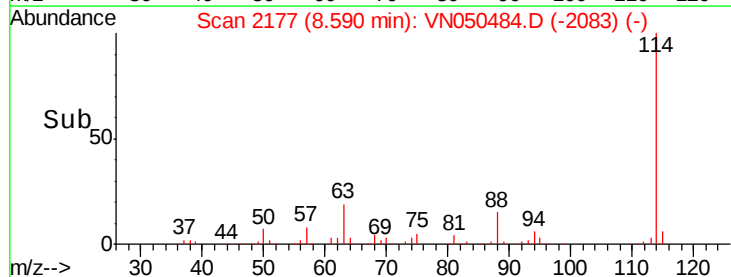
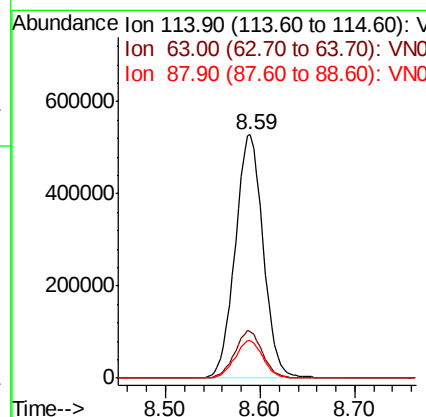
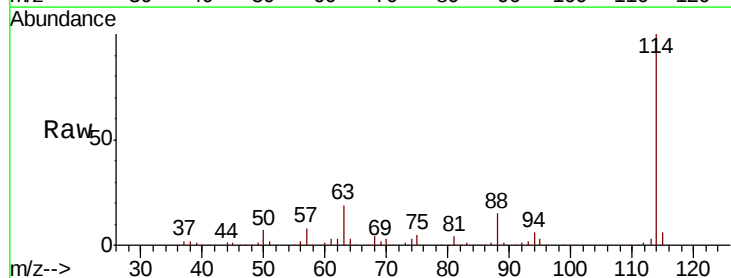
Instrument :
 MSVOA_N
 ClientSampleId :

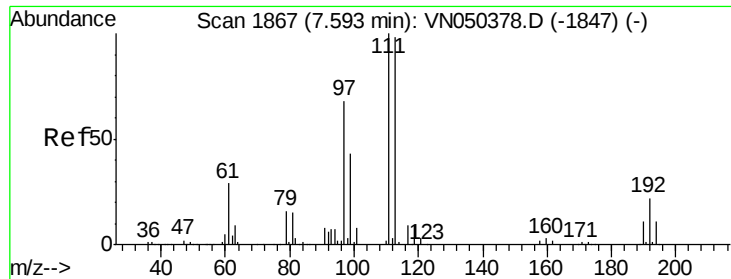
Tot Ion: 65 Resp: 469563
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 114 Resp: 1085129
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.3 0.0 31.2

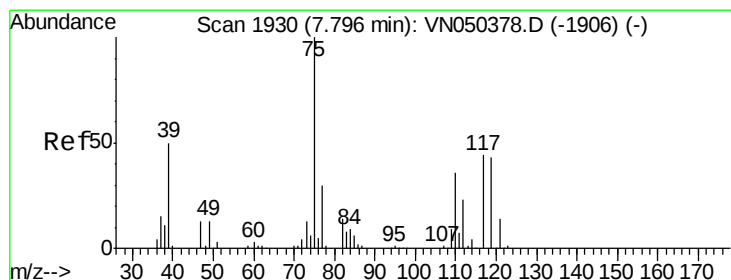
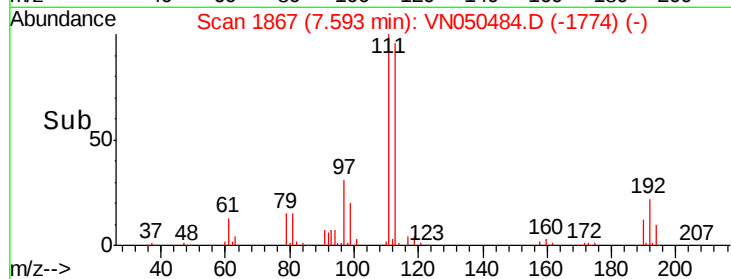
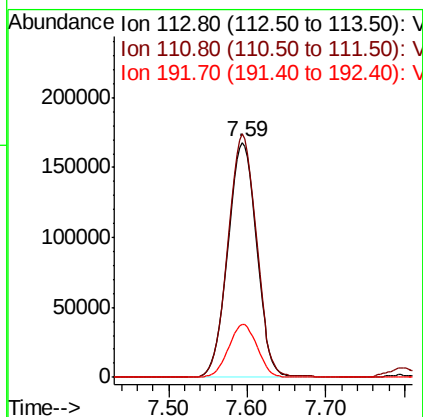
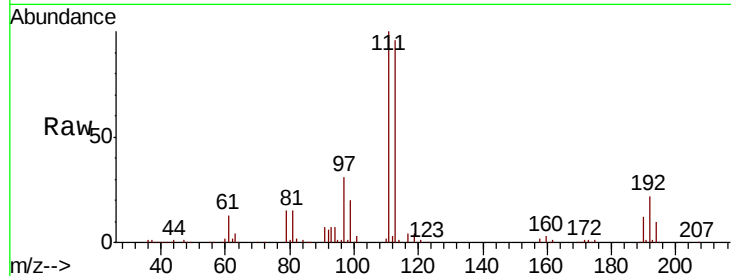




#35
 Dibromofluoromethane
 Concen: 49.03 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

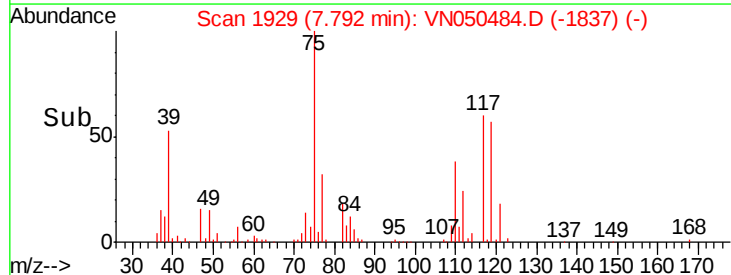
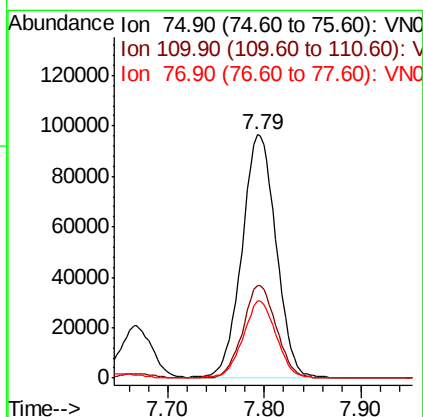
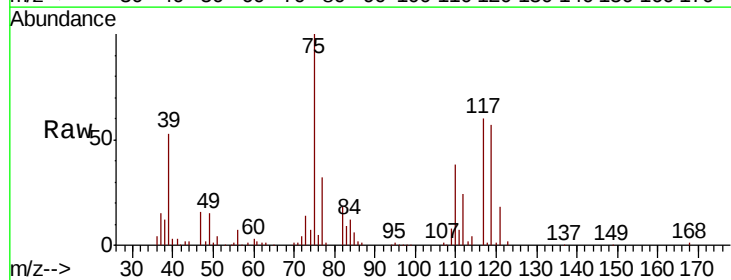
Instrument :
 MSVOA_N
 ClientSampleId :

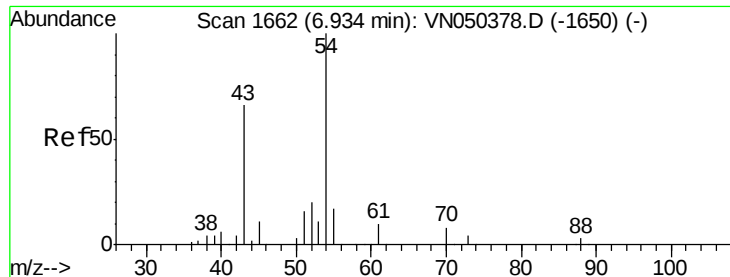
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.7	121.1
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.81 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.4	55.2
77	31.1	25.3	37.9

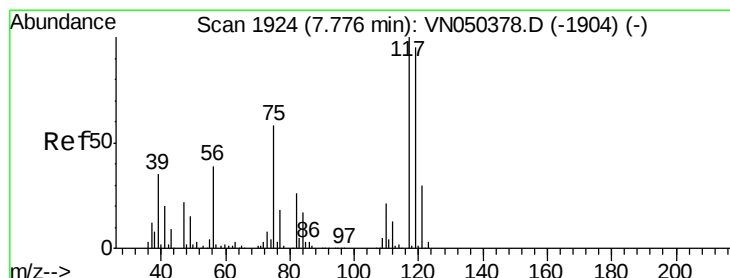
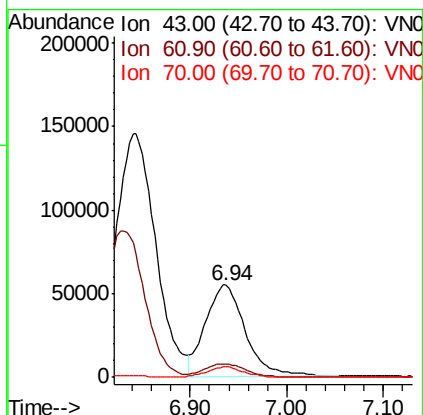
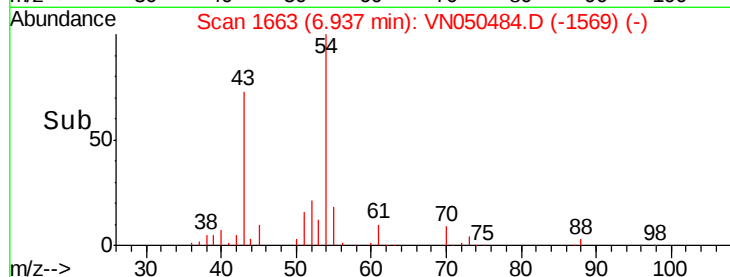
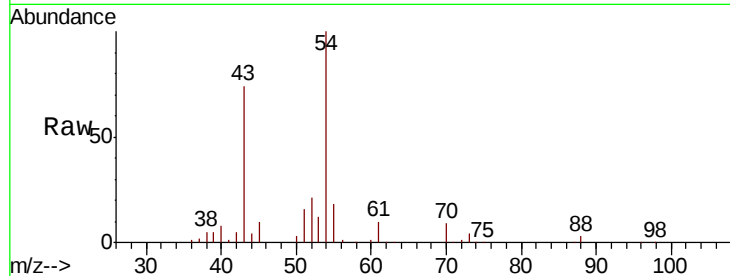




#37
Ethyl Acetate
Concen: 18.26 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

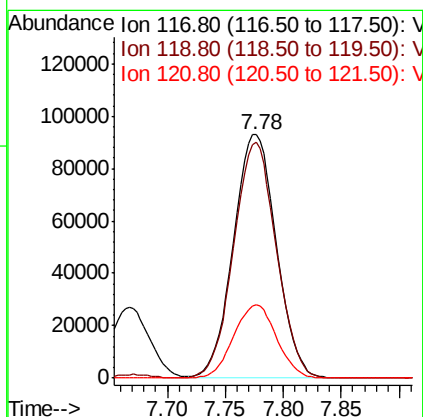
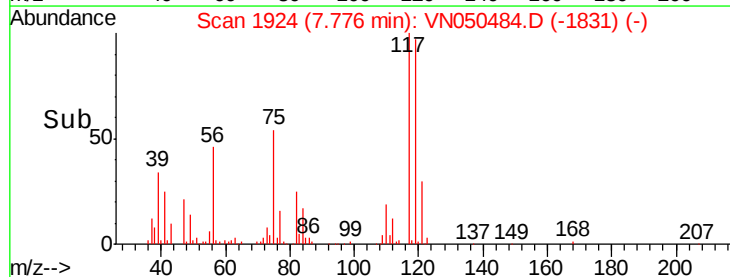
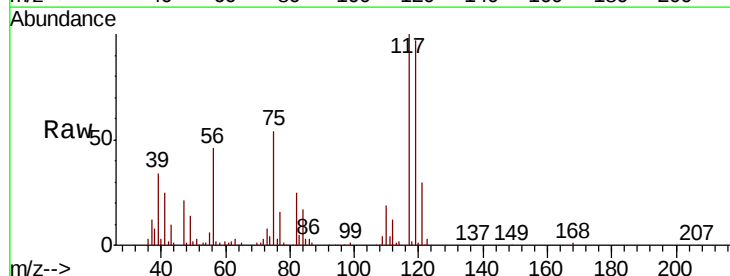
Instrument :
MSVOA_N
ClientSampled :

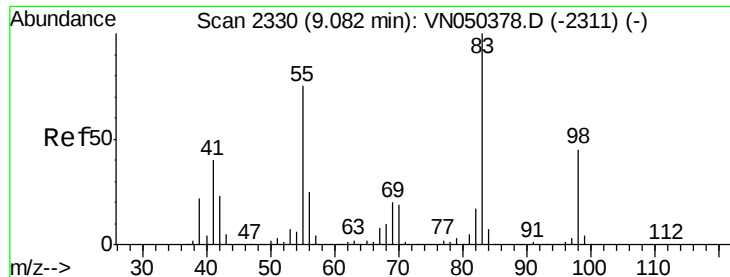
Tot Ion: 43 Resp: 156761
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.8
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 117 Resp: 239290
Ion Ratio Lower Upper
117 100
119 96.9 77.4 116.0
121 30.2 23.9 35.9

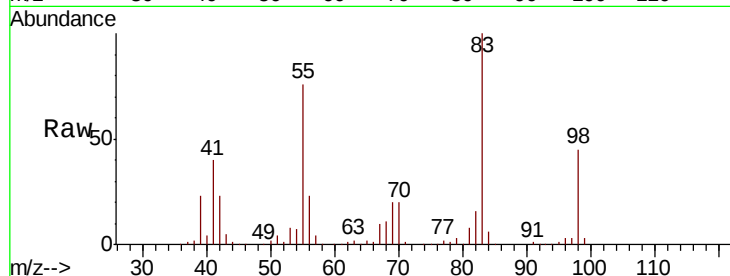




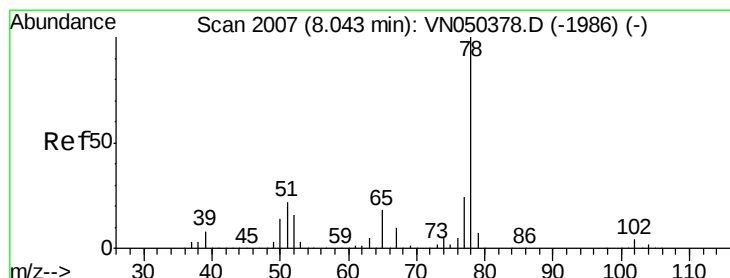
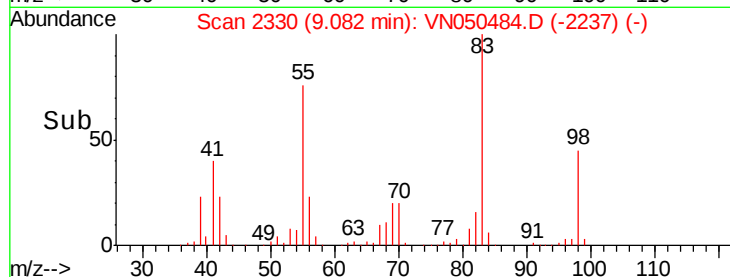
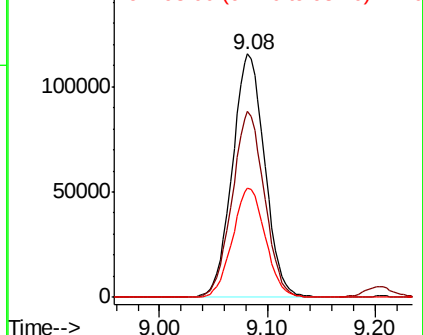
#39
Methvlcvclohexane
Concen: 18.49 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 240695
Ion Ratio Lower Upper
83 100
55 76.3 61.8 92.8
98 44.7 36.5 54.7

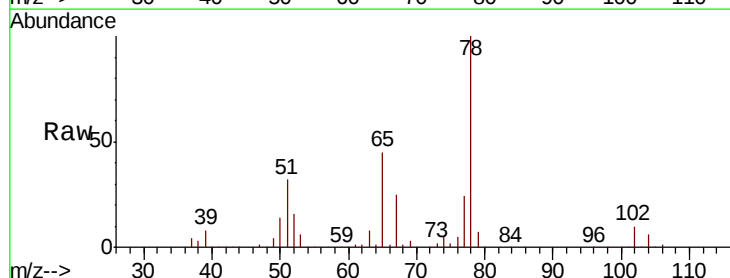


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

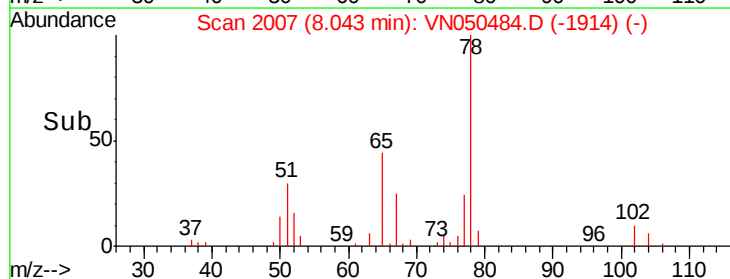
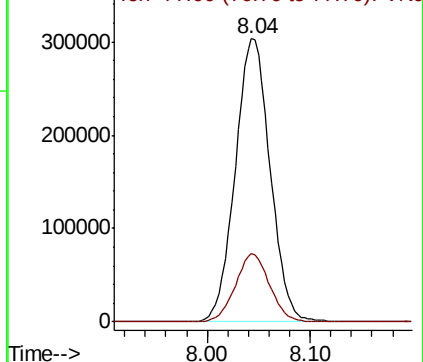


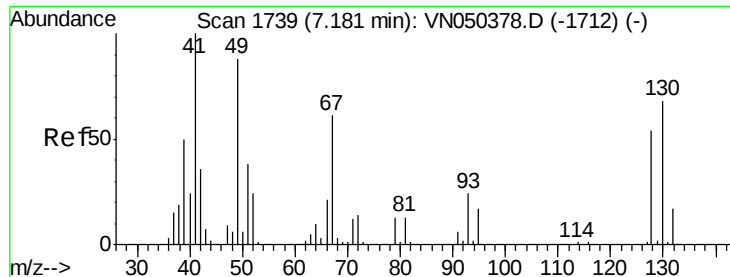
#40
Benzene
Concen: 19.46 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 78 Resp: 713214
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

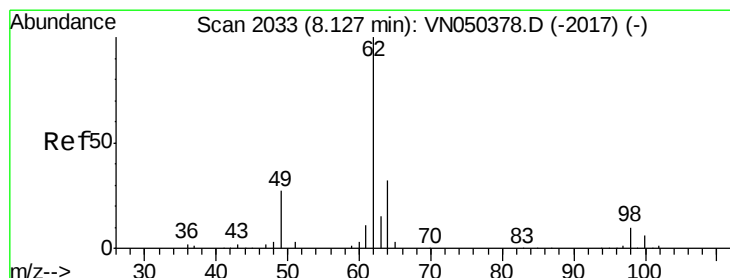
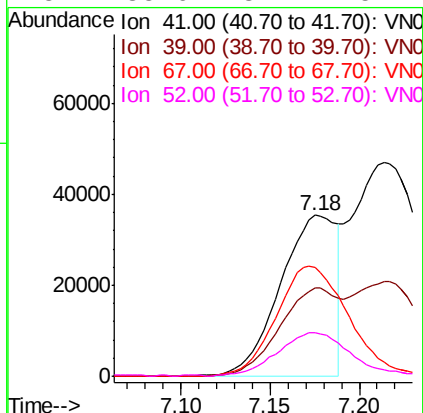
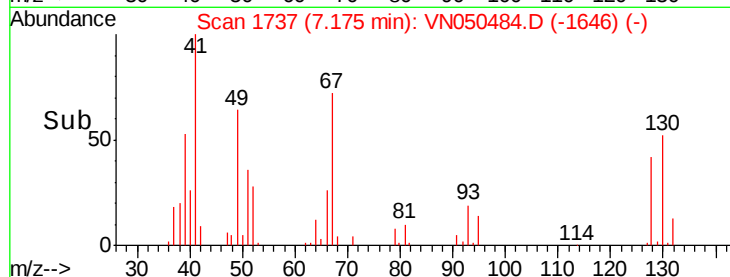
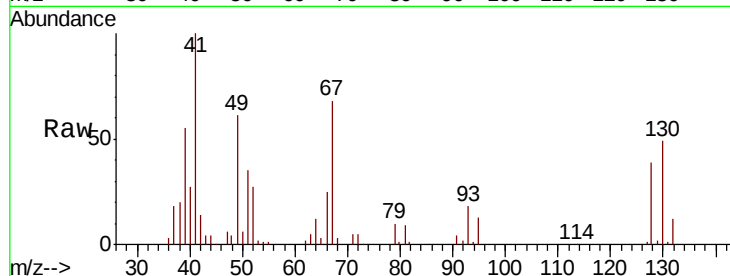




#41
Methacrylonitrile
Concen: 17.03 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

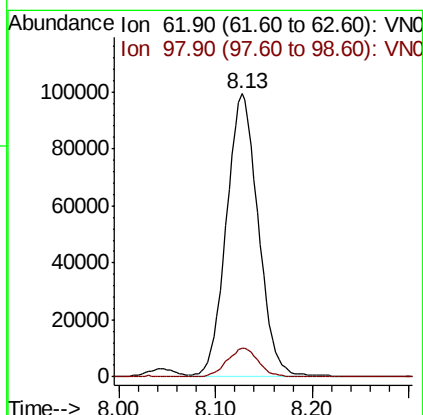
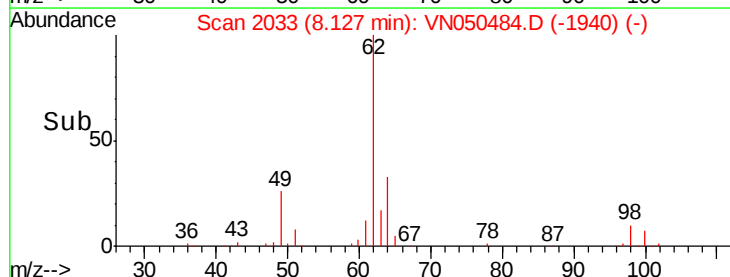
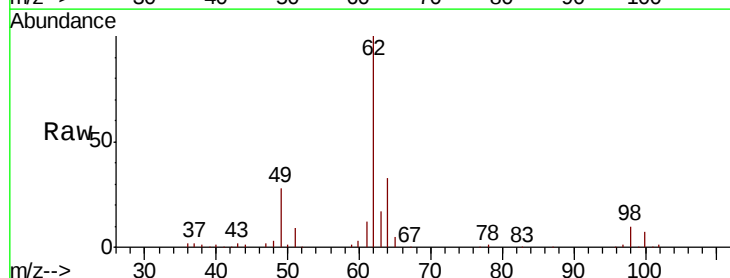
Instrument :
MSVOA_N
ClientSampled :

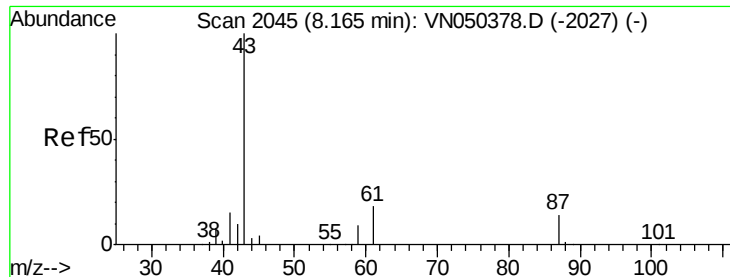
Tot Ion: 41 Resp: 77759
Ion Ratio Lower Upper
41 100
39 58.7 55.8 83.6
67 88.2 84.3 126.5
52 35.6 34.2 51.2



#42
1,2-Dichloroethane
Concen: 19.41 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 62 Resp: 225906
Ion Ratio Lower Upper
62 100
98 10.1 0.0 18.8





#43

Isopropyl Acetate

Concen: 18.19 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

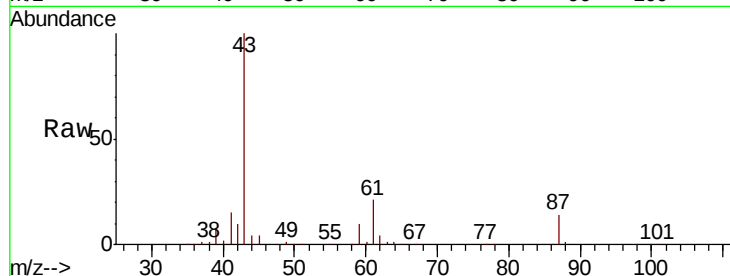
Tot Ion: 43 Resp: 269663

Ion Ratio Lower Upper

43 100

61 20.8 15.8 23.6

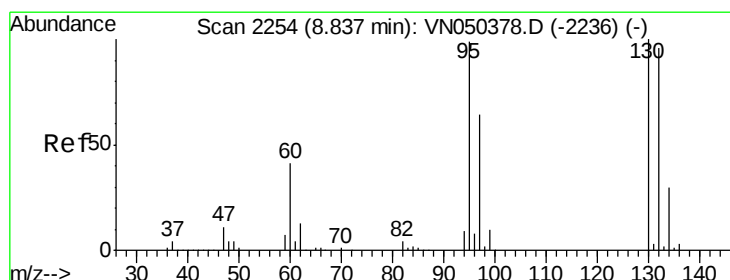
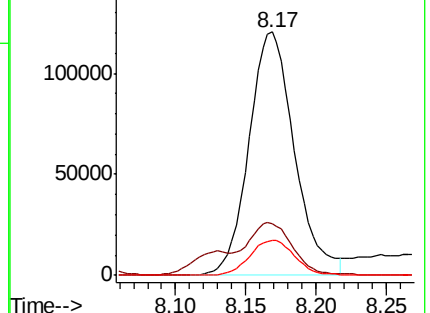
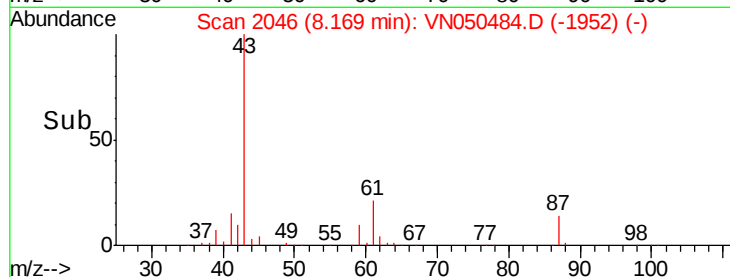
87 14.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



#44

Trichloroethene

Concen: 19.67 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050484.D

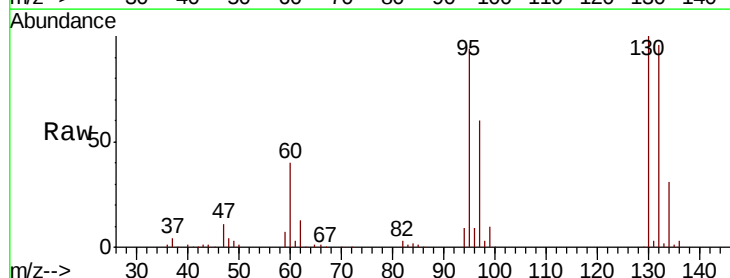
Acq: 9 Aug 2018 14:37

Tgt Ion:130 Resp: 193745

Ion Ratio Lower Upper

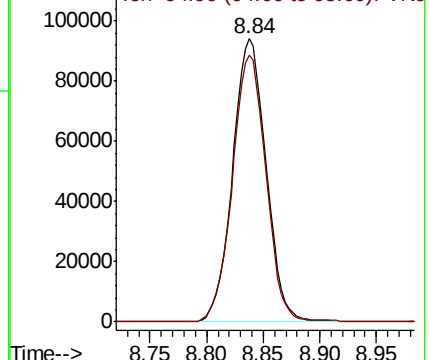
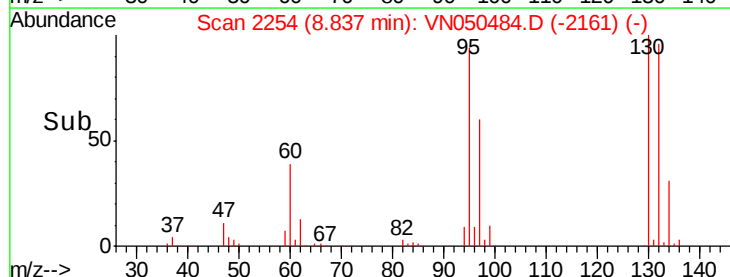
130 100

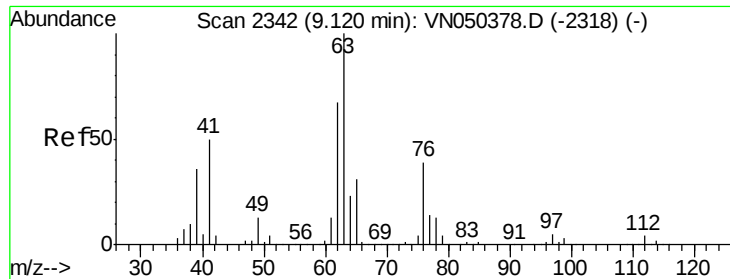
95 94.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

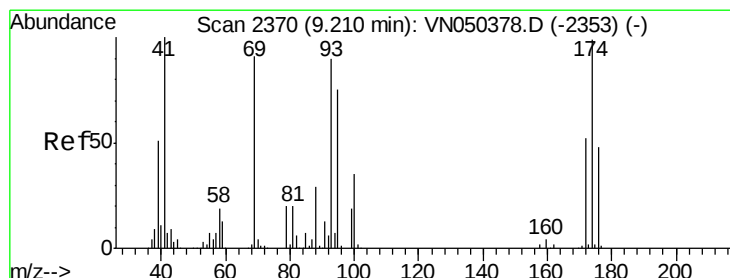
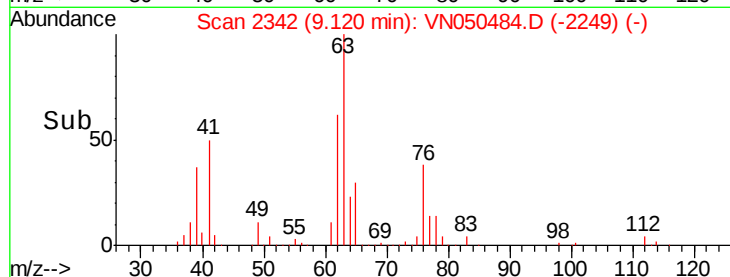
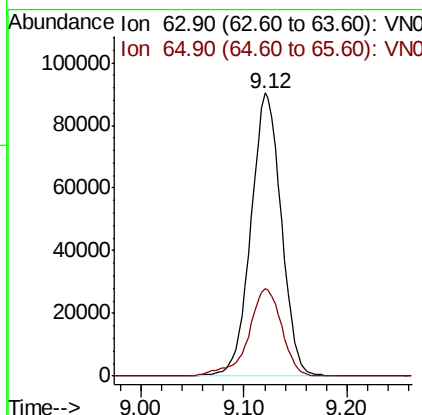
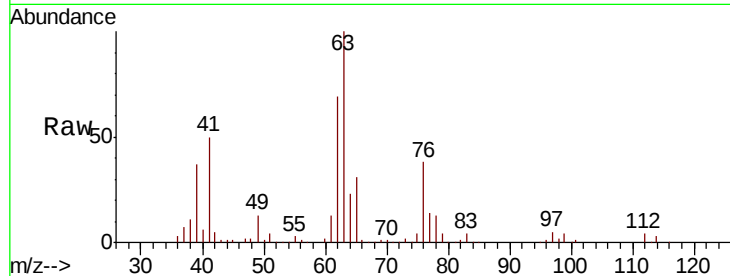




#45
 1,2-Dichloropropane
 Concen: 19.13 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

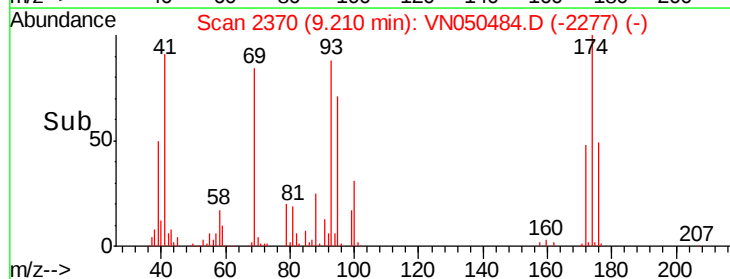
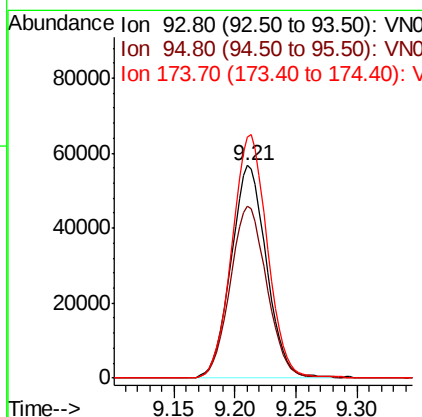
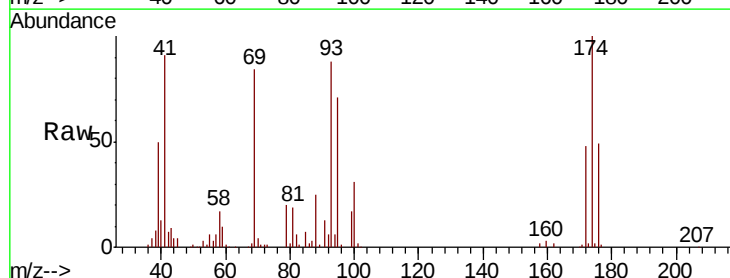
Instrument :
 MSVOA_N
 ClientSampled :

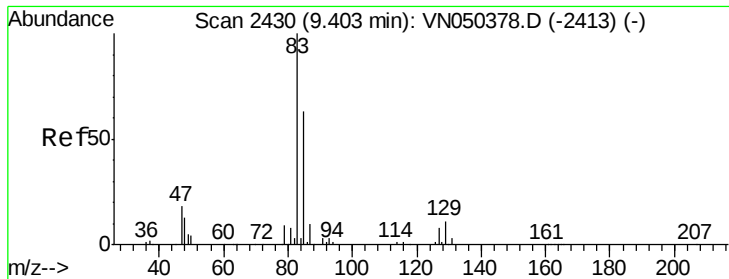
Tot Ion: 63 Resp: 184397
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.5 38.3



#46
 Dibromomethane
 Concen: 19.21 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 93 Resp: 114343
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 114.1 87.1 130.7





#47

Bromodichloromethane

Concen: 19.28 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

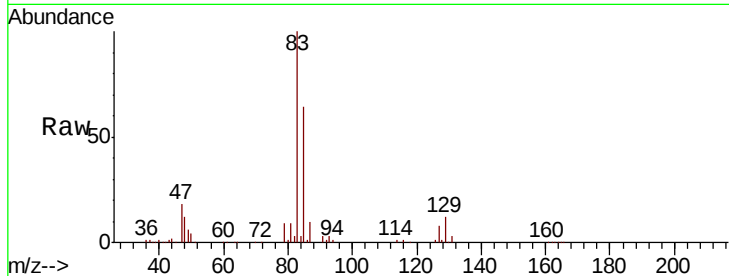
Tot Ion: 83 Resp: 237642

Ion Ratio Lower Upper

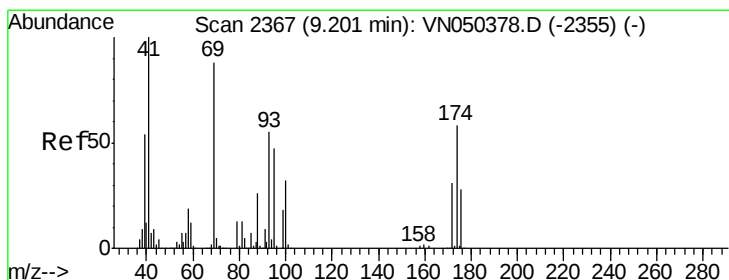
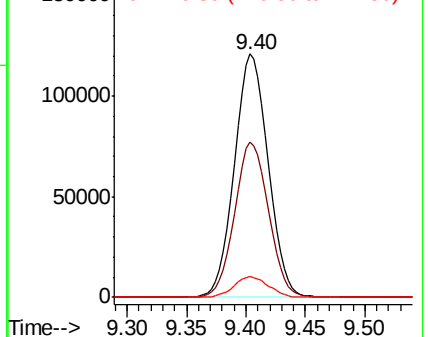
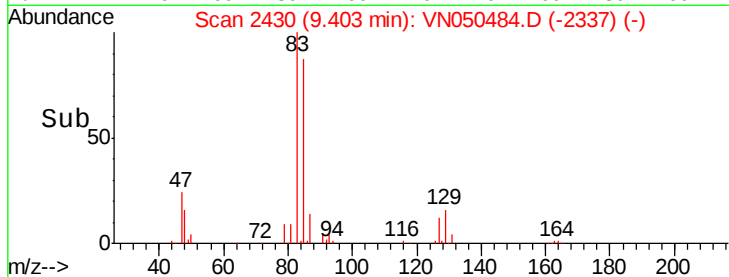
83 100

85 63.6 51.1 76.7

127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050484.D (-2337) (-)



#48

Methyl methacrylate

Concen: 18.00 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

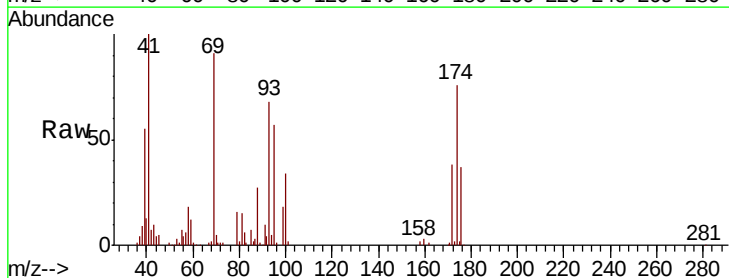
Tgt Ion: 41 Resp: 133712

Ion Ratio Lower Upper

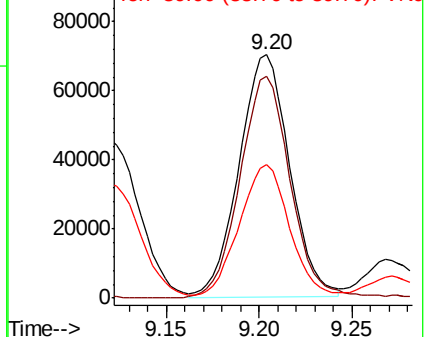
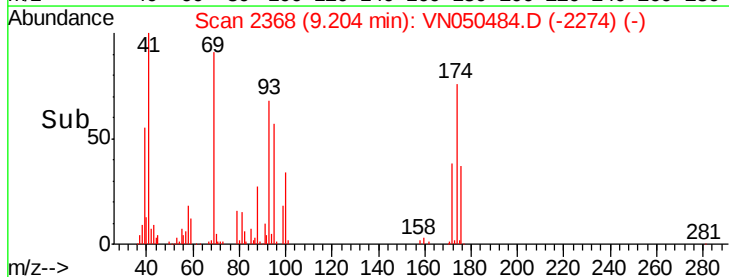
41 100

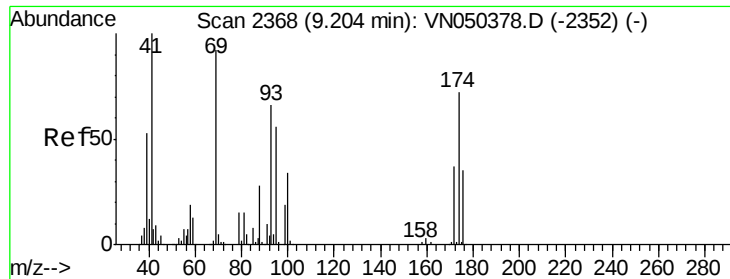
69 91.7 70.6 105.8

39 54.9 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050484.D (-2274) (-)

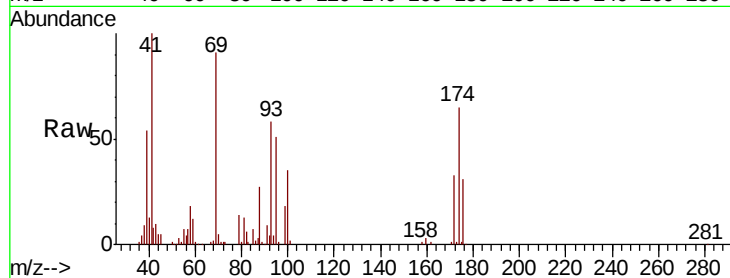




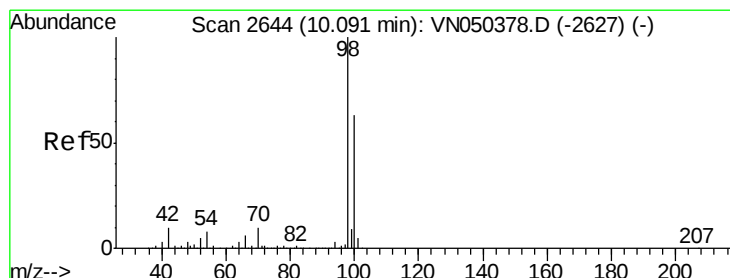
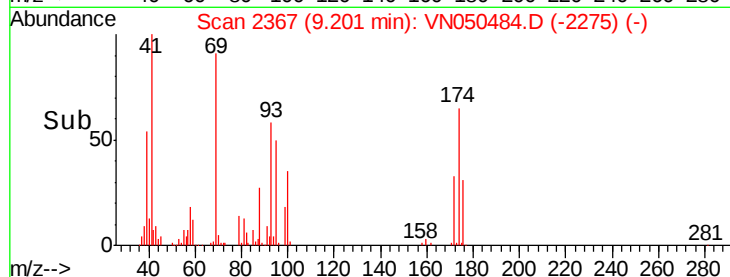
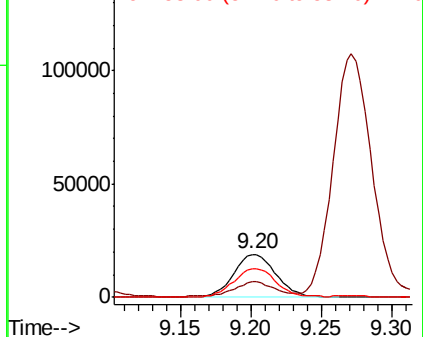
#49
1,4-Dioxane
Concen: 349.45 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 40016
Ion Ratio Lower Upper
88 100
43 32.8 26.9 40.3
58 67.5 57.3 85.9

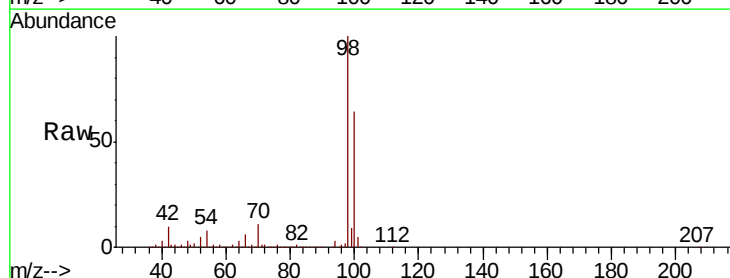


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

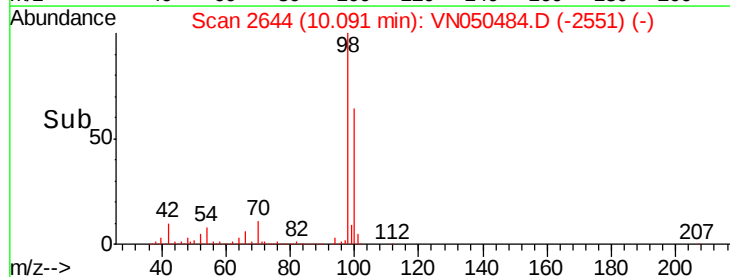
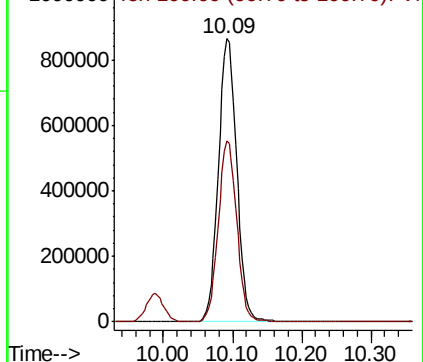


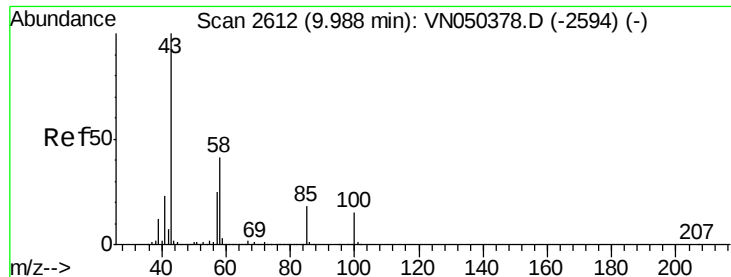
#50
Toluene-d8
Concen: 48.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 98 Resp: 1594563
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

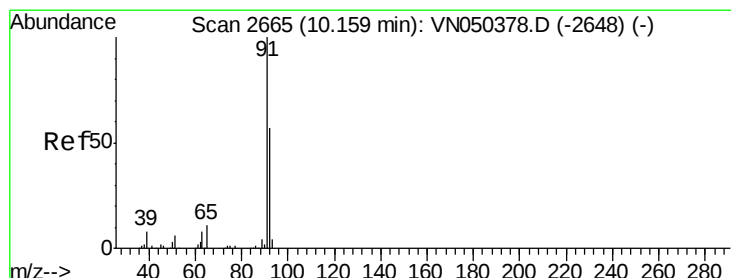
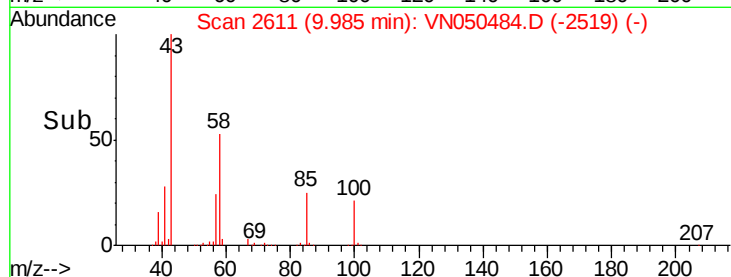
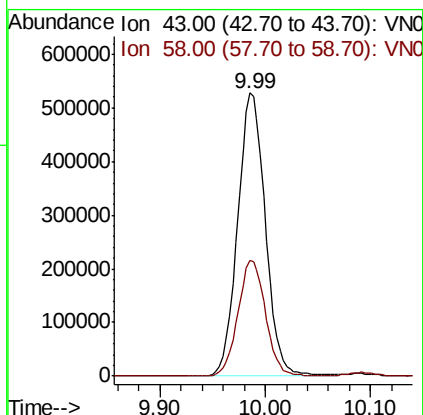
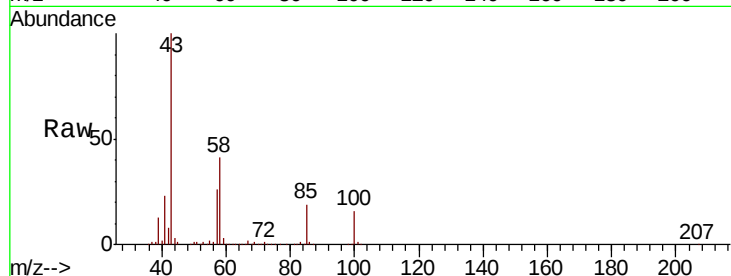




#51
4-Methyl-2-Pentanone
Concen: 89.84 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

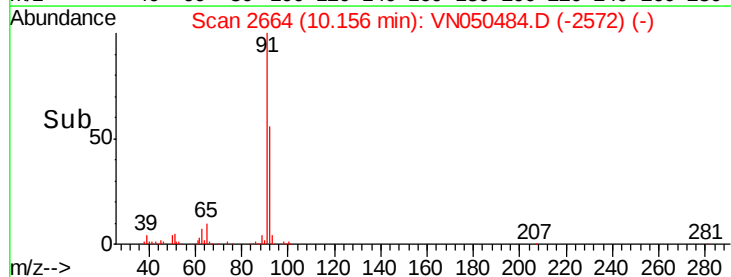
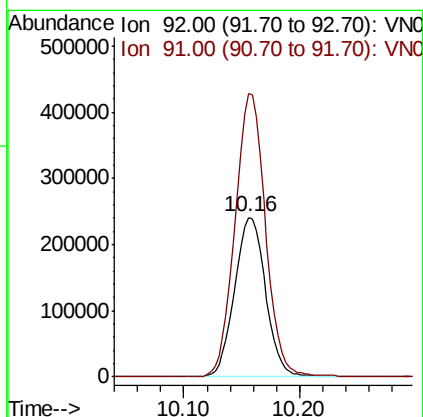
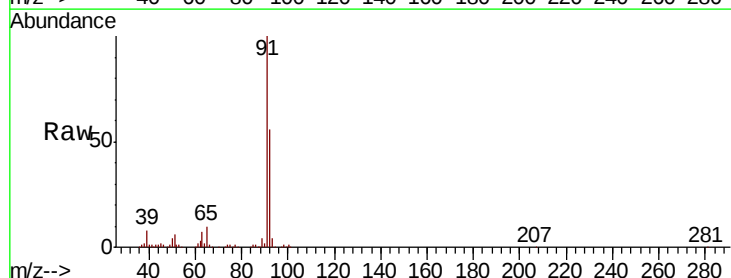
Instrument :
MSVOA_N
ClientSampled :

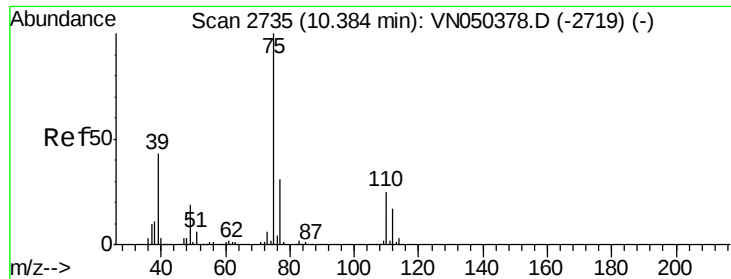
Tot Ion: 43 Resp: 959025
Ion Ratio Lower Upper
43 100
58 40.8 31.9 47.9



#52
Toluene
Concen: 20.30 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 92 Resp: 446948
Ion Ratio Lower Upper
92 100
91 174.7 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.29 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

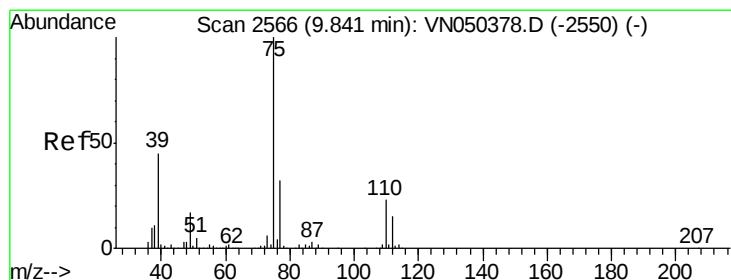
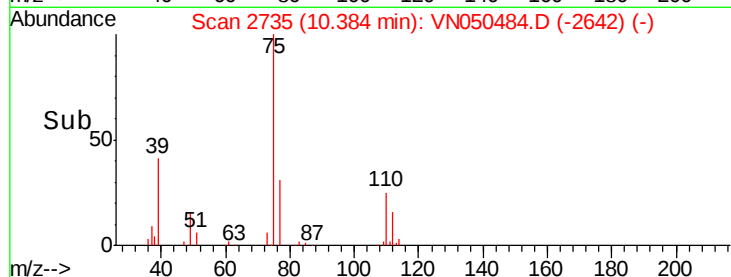
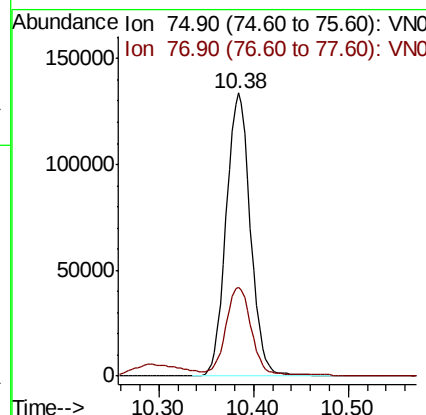
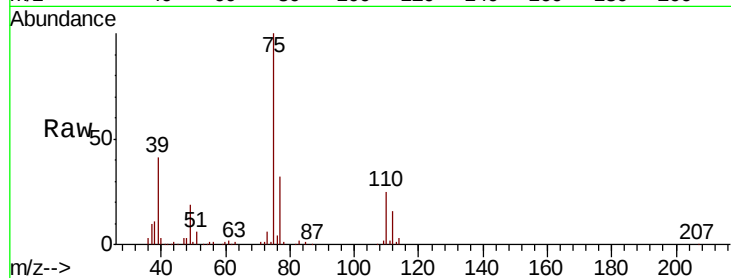
ClientSampled :

Tot Ion: 75 Resp: 238795

Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

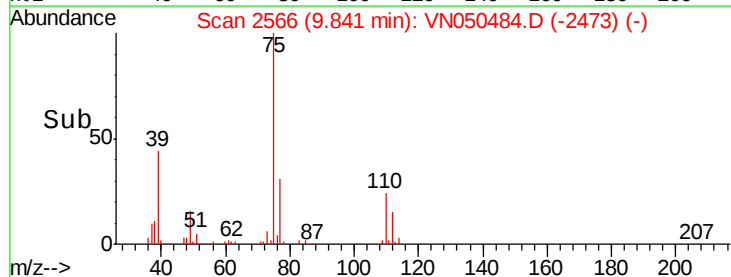
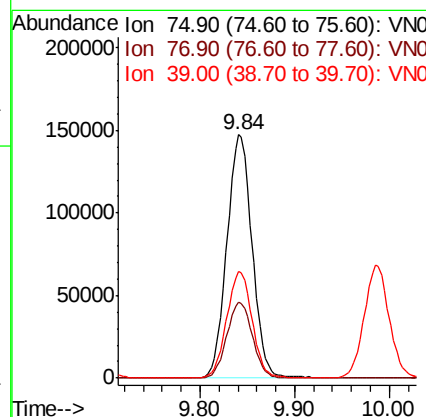
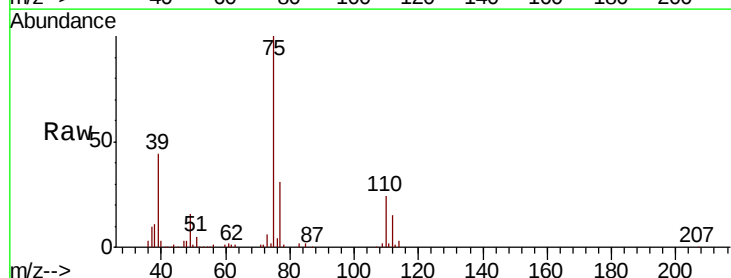
Tgt Ion: 75 Resp: 273922

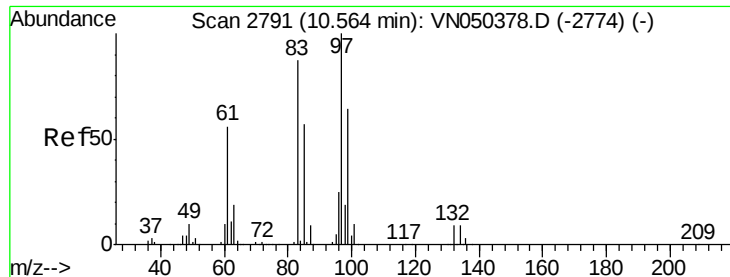
Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

39 43.7 36.6 55.0

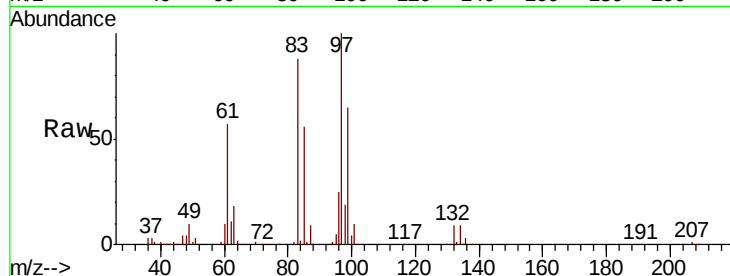




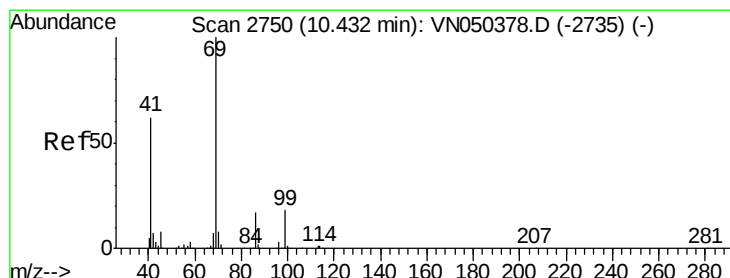
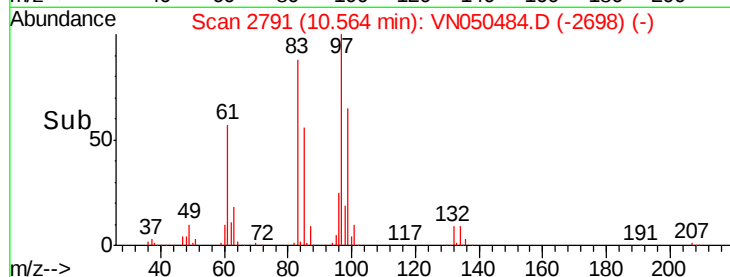
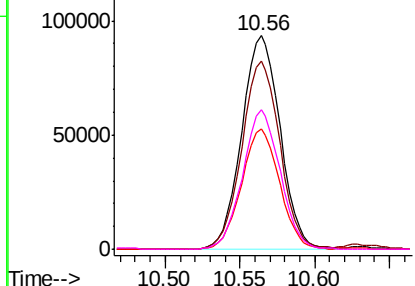
#55
 1,1,2-Trichloroethane
 Concen: 19.53 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	167914
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.2	103.8
85	56.4	44.0	66.0
99	65.4	49.9	74.9

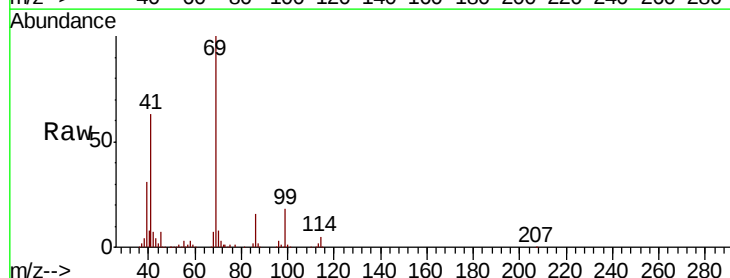


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

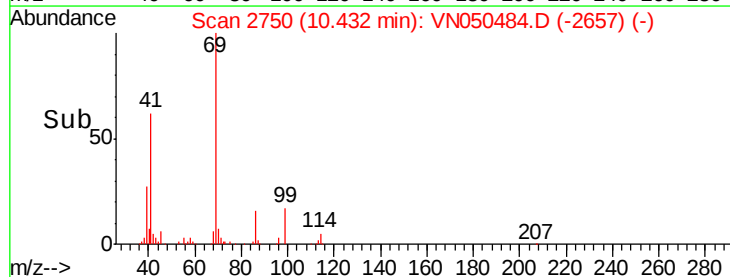
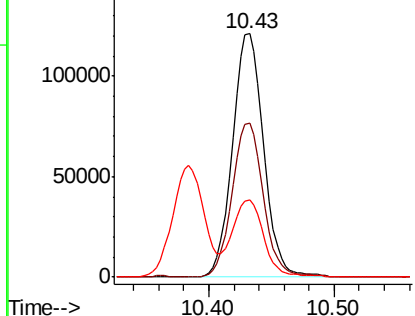


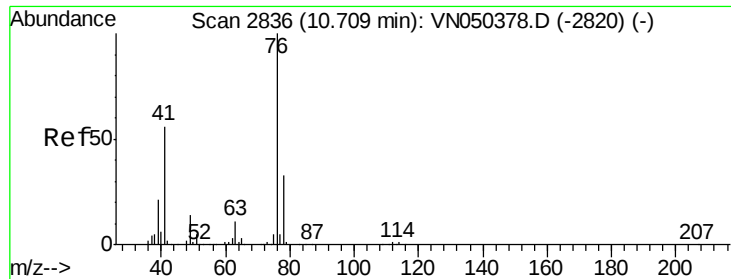
#56
 Ethyl methacrylate
 Concen: 18.26 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion:	69	Resp:	208448
Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.0	76.4
39	31.5	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 19.58 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

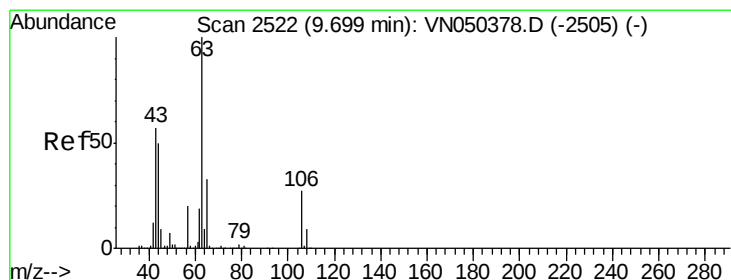
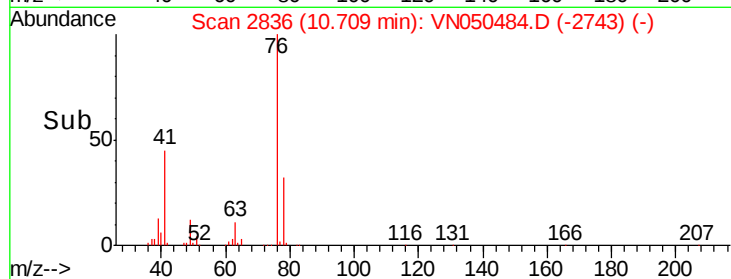
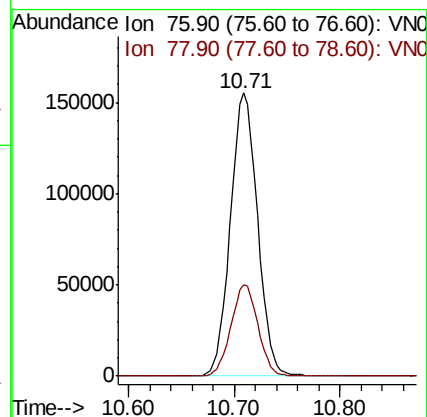
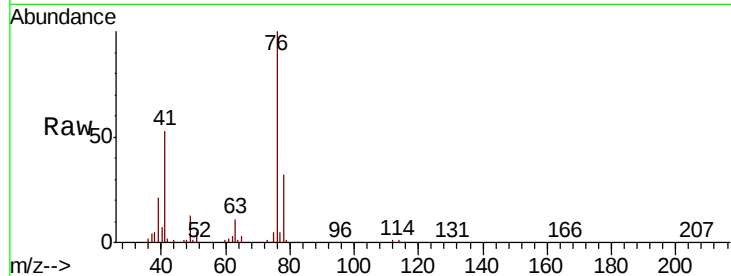
ClientSampled :

Tot Ion: 76 Resp: 276199

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 88.00 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050484.D

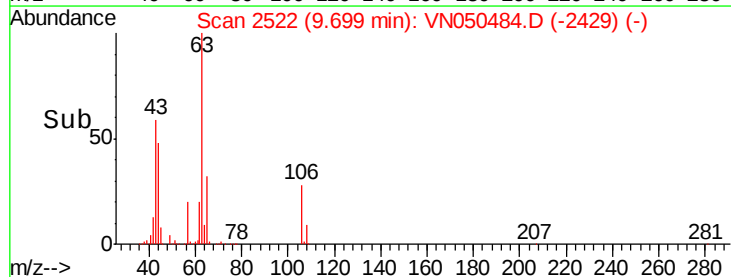
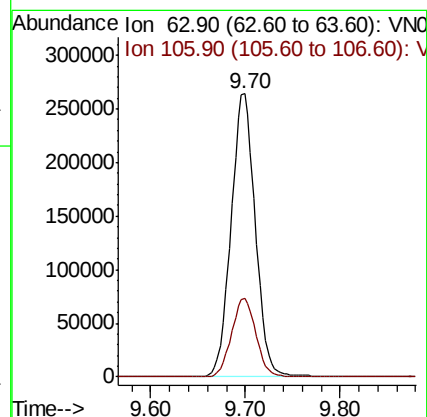
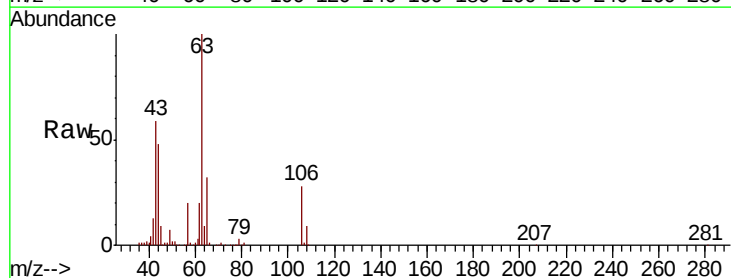
Acq: 9 Aug 2018 14:37

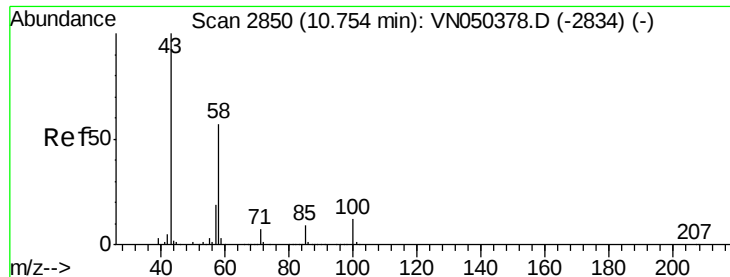
Tgt Ion: 63 Resp: 470983

Ion Ratio Lower Upper

63 100

106 27.9 21.7 32.5

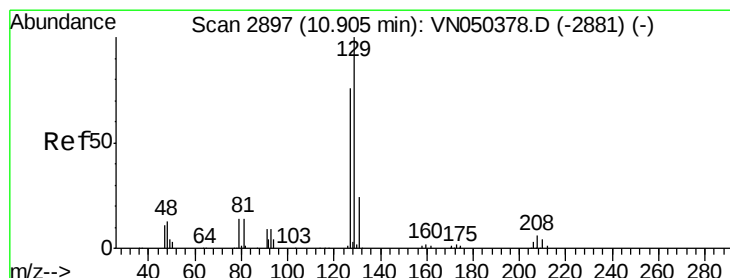
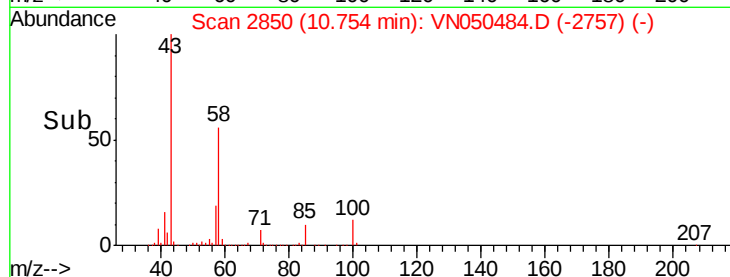
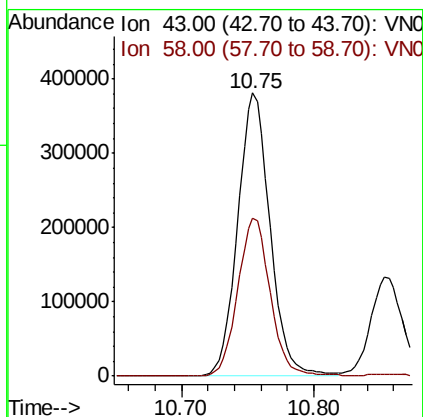
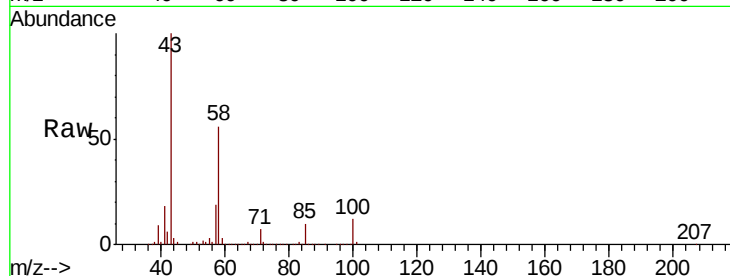




#59
2-Hexanone
Concen: 86.42 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

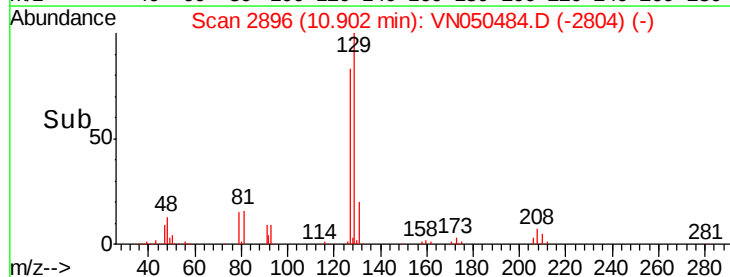
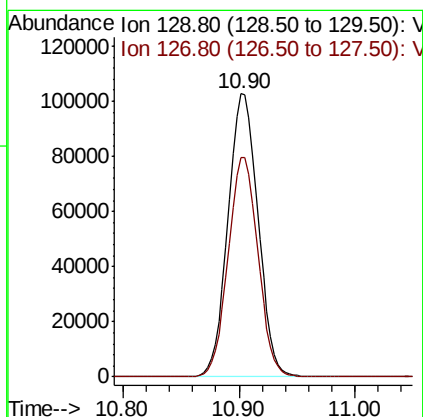
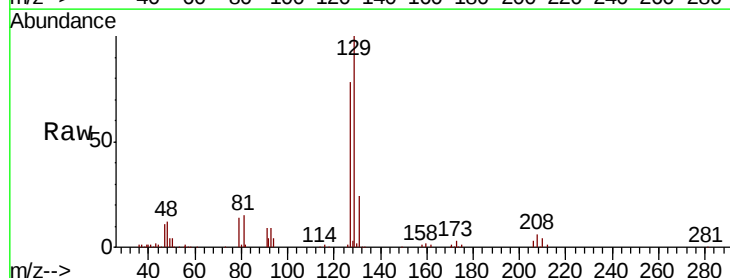
Instrument :
MSVOA_N
ClientSampleId :

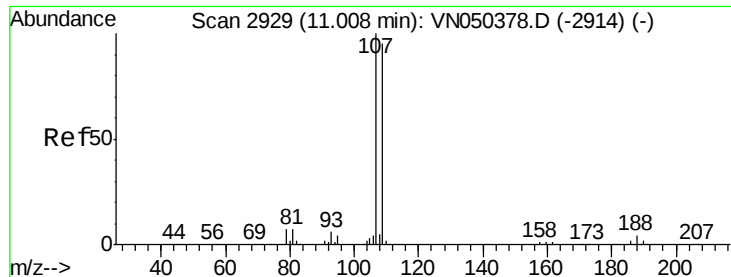
Tot Ion: 43 Resp: 643798
Ion Ratio Lower Upper
43 100
58 56.4 27.6 82.7



#60
Dibromochloromethane
Concen: 19.42 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 129 Resp: 183906
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9

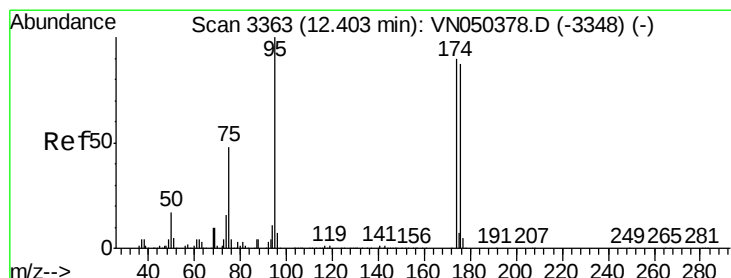
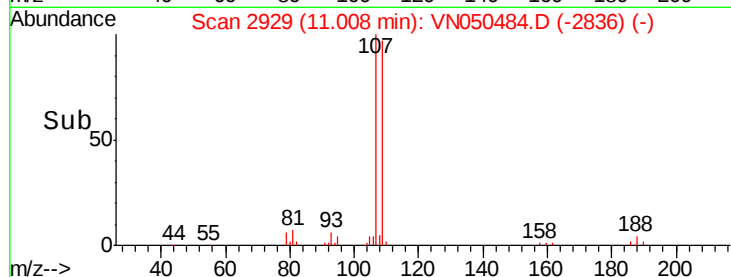
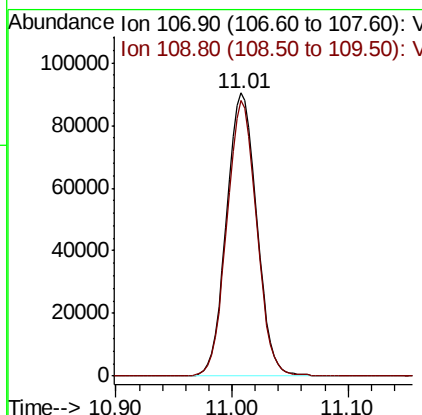
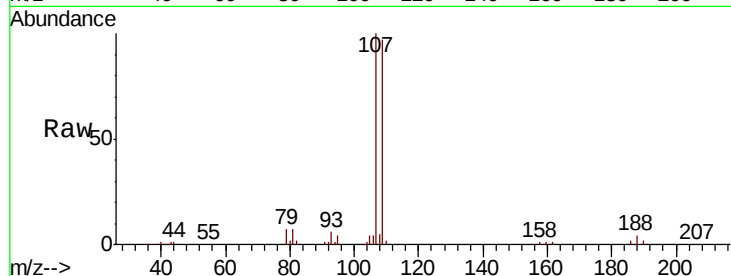




#61
 1,2-Dibromoethane
 Concen: 19.25 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

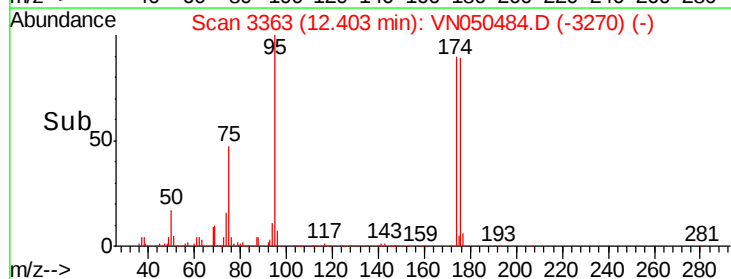
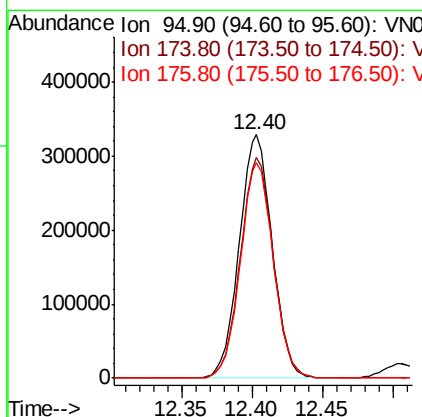
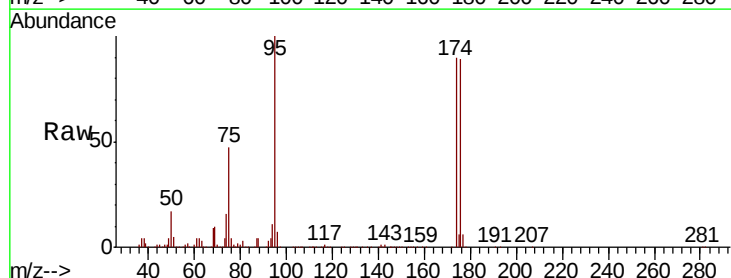
Instrument :
 MSVOA_N
 ClientSampled :

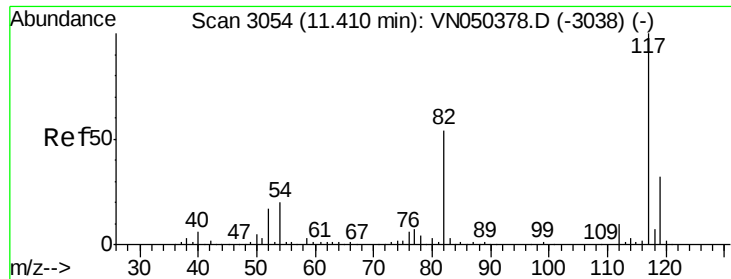
Tot Ion:107 Resp: 163096
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.07 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion: 95 Resp: 536333
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 178.2
 176 88.5 0.0 173.4

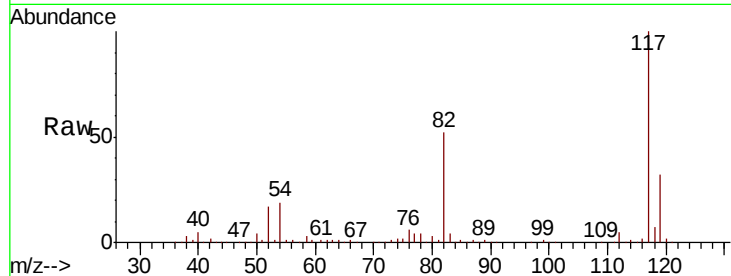




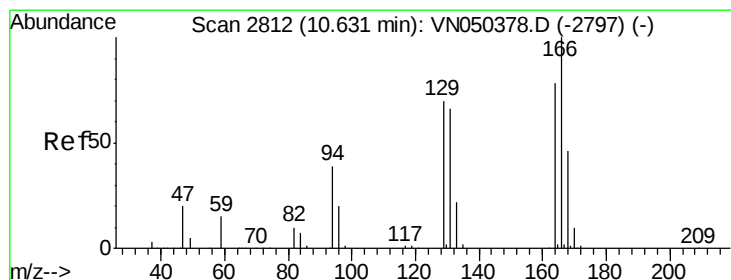
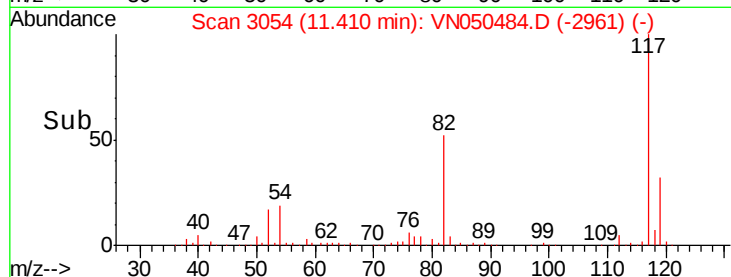
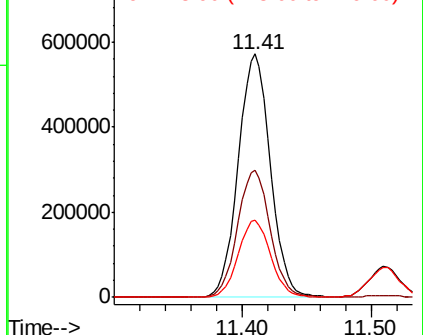
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 993706
Ion Ratio Lower Upper
117 100
82 52.3 43.7 65.5
119 31.6 26.1 39.1

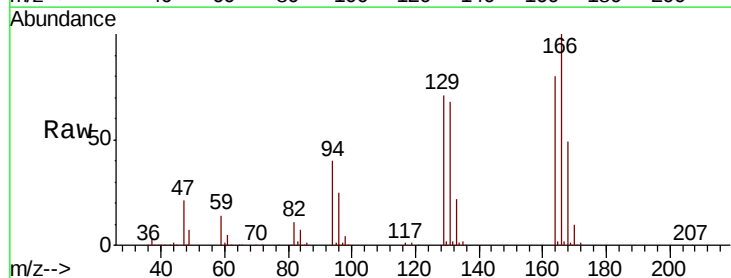


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

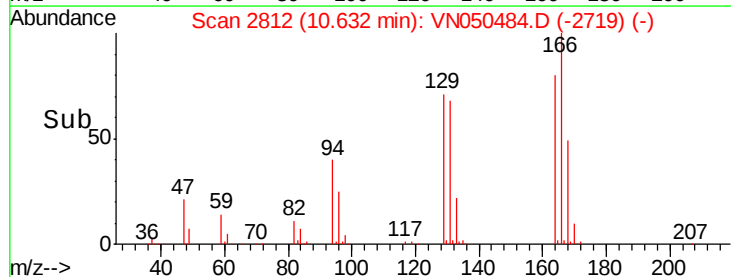
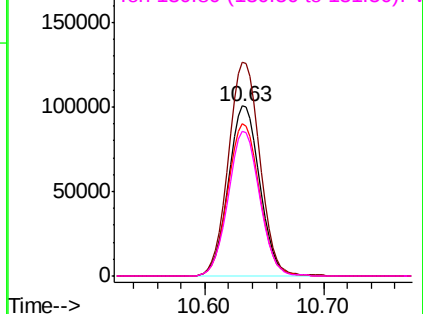


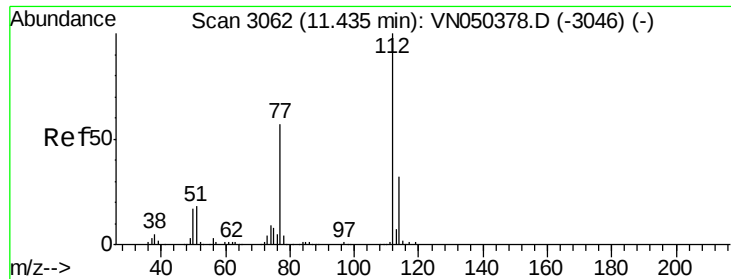
#64
Tetrachloroethene
Concen: 19.87 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion:164 Resp: 184472
Ion Ratio Lower Upper
164 100
166 125.7 102.1 153.1
129 89.7 73.2 109.8
131 85.5 70.6 106.0



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

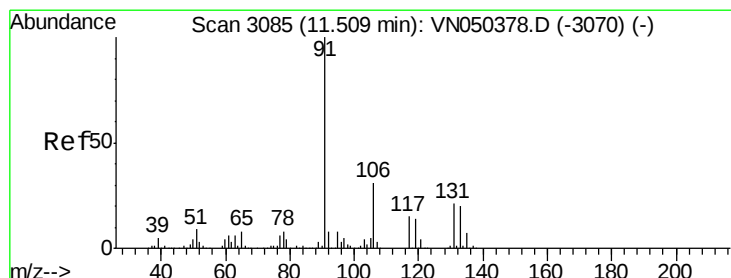
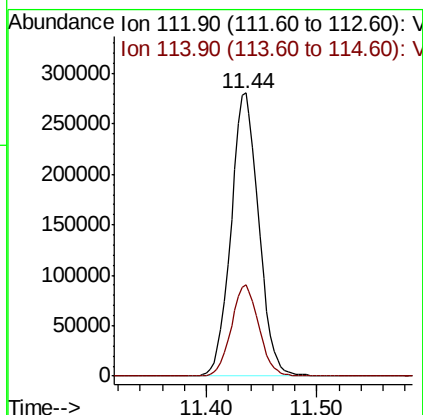
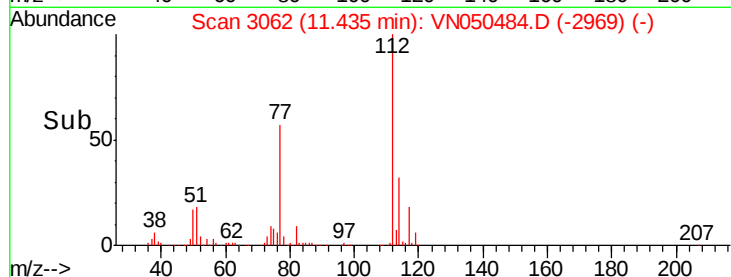
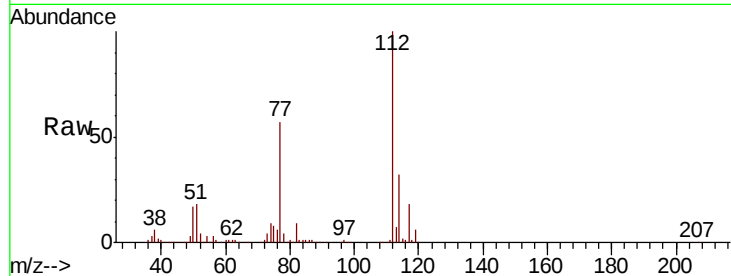




#65
Chlorobenzene
Concen: 19.62 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

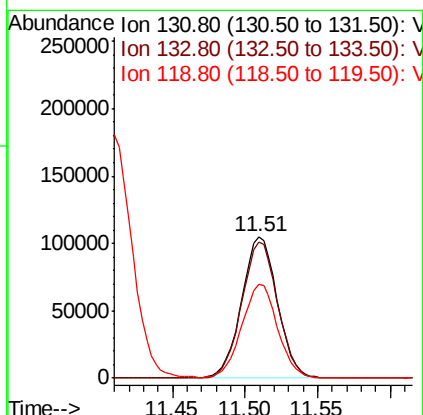
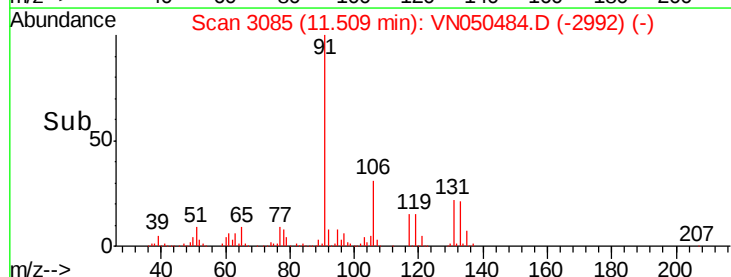
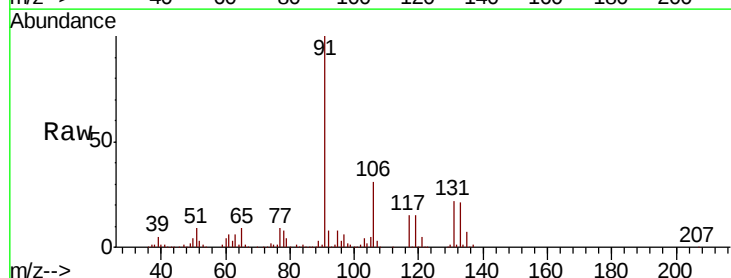
Instrument :
MSVOA_N
ClientSampled :

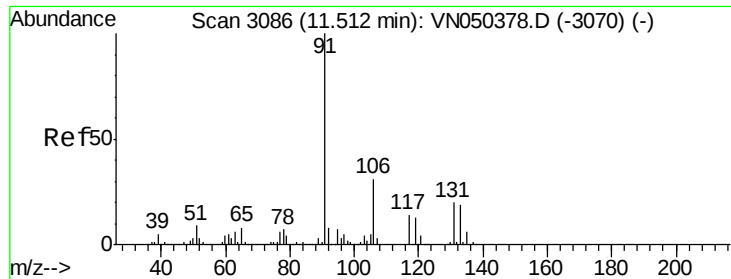
Tot Ion:112 Resp: 488764
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.88 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion:131 Resp: 180243
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.9
119 66.3 32.9 98.7

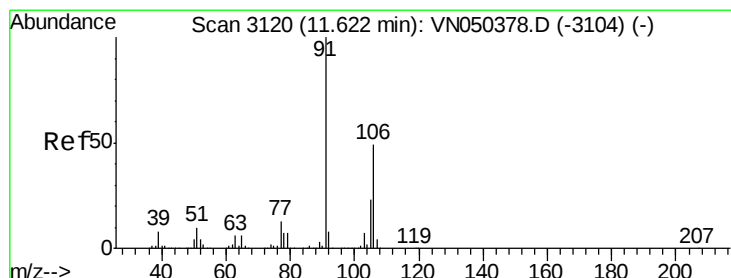
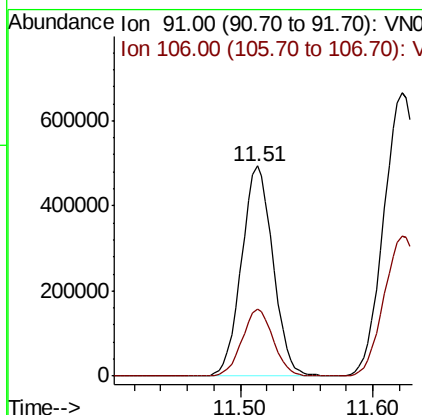
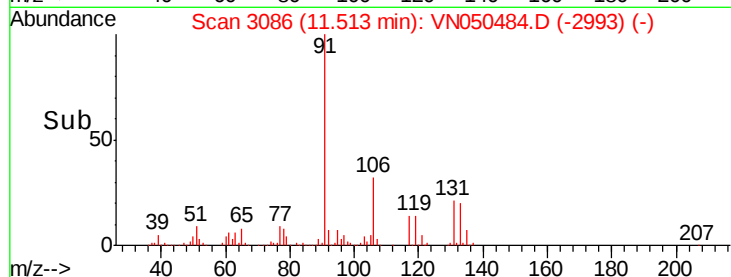
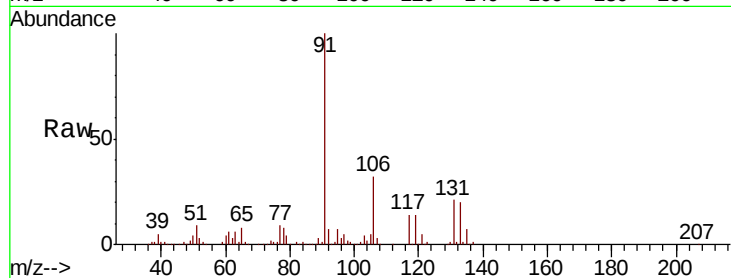




#67
Ethyl Benzene
Concen: 20.21 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

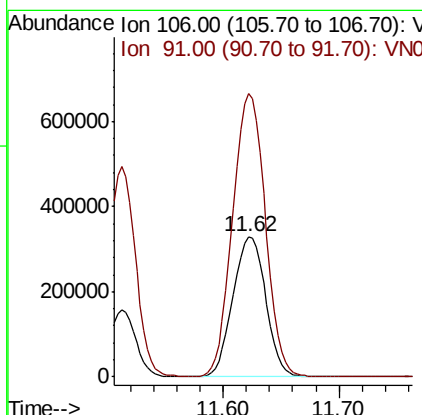
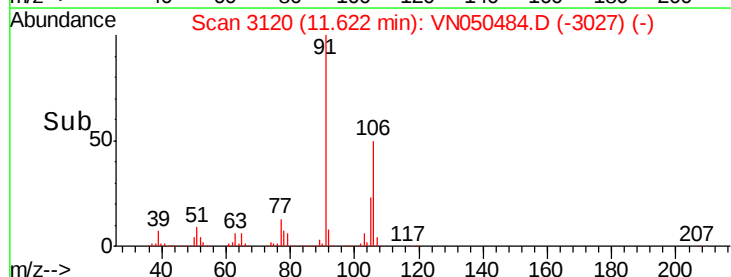
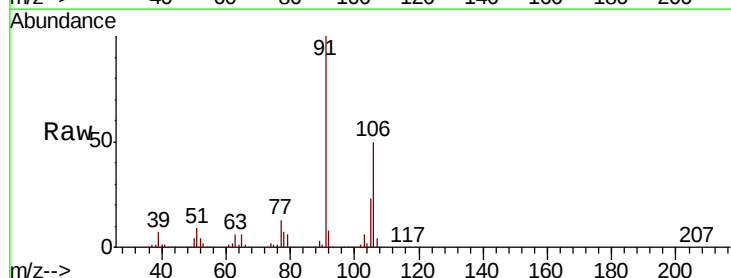
Instrument :
MSVOA_N
ClientSampled :

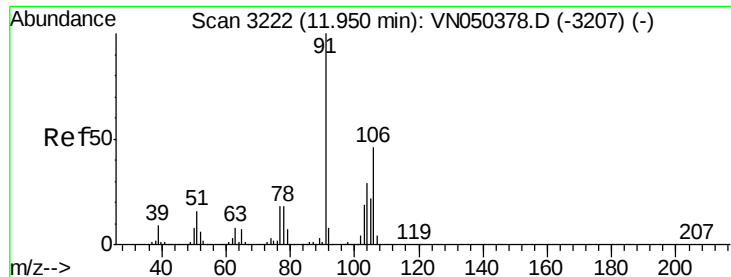
Tot Ion: 91 Resp: 813765
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4



#68
m/p-Xylenes
Concen: 42.17 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 106 Resp: 646494
Ion Ratio Lower Upper
106 100
91 200.7 162.2 243.2

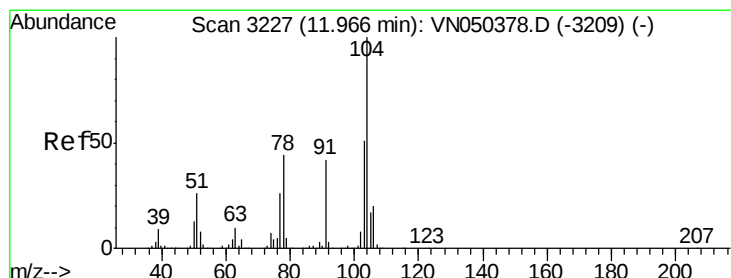
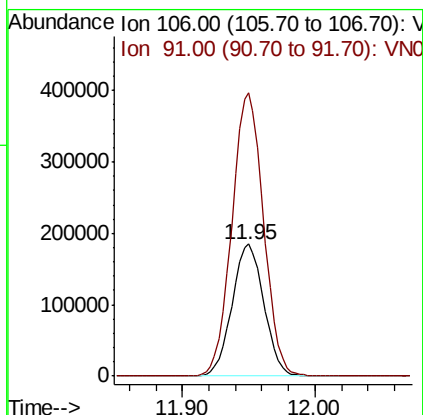
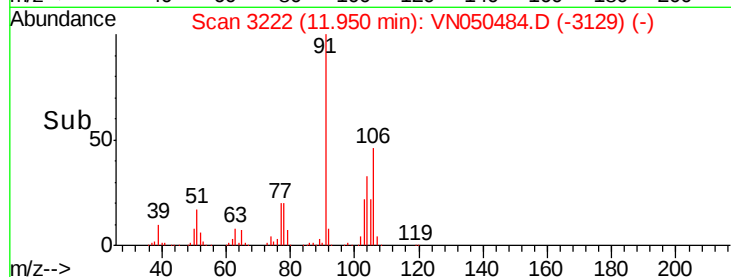
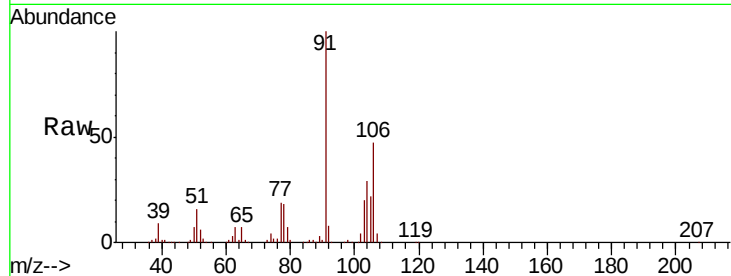




#69
o-Xylene
Concen: 20.82 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

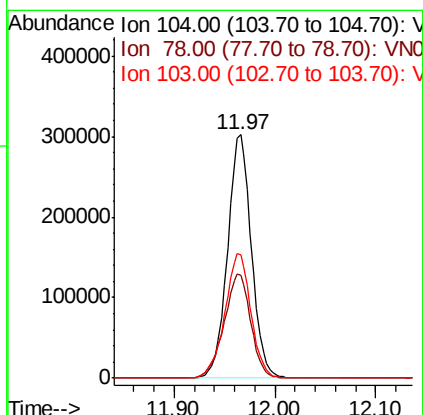
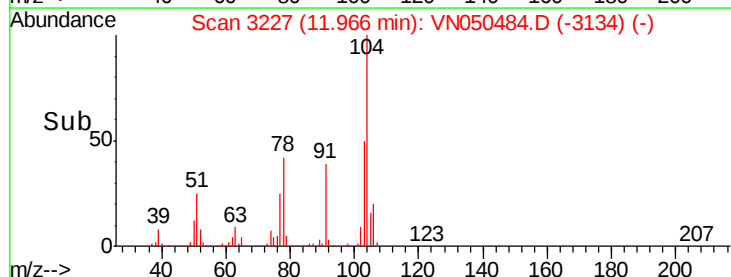
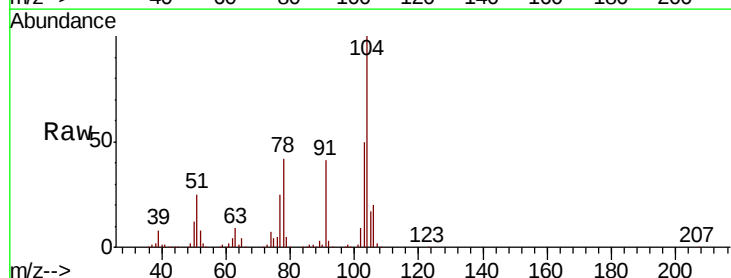
Instrument :
MSVOA_N
ClientSampled :

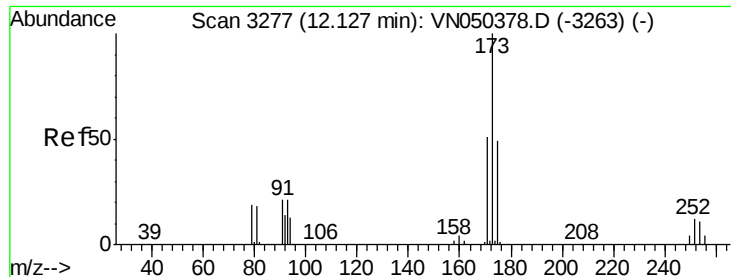
Tot Ion:106 Resp: 307391
Ion Ratio Lower Upper
106 100
91 212.9 107.7 323.1



#70
Styrene
Concen: 20.73 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion:104 Resp: 497833
Ion Ratio Lower Upper
104 100
78 48.1 39.3 58.9
103 55.9 45.0 67.6





#71

Bromoform

Concen: 19.62 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

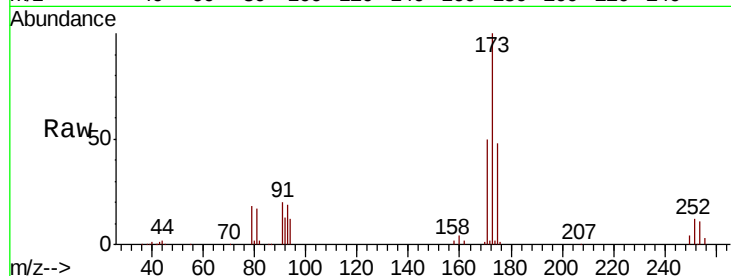
Tot Ion:173 Resp: 130001

Ion Ratio Lower Upper

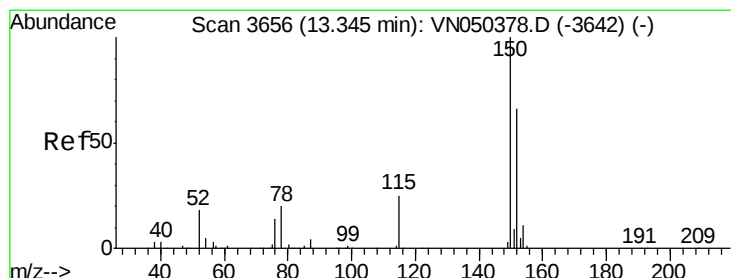
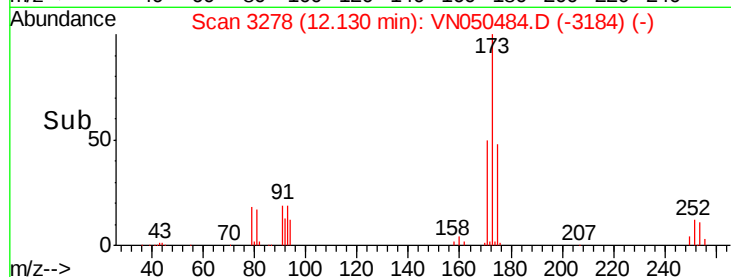
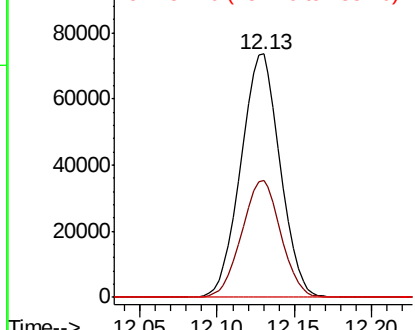
173 100

175 47.8 24.1 72.2

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
100000
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

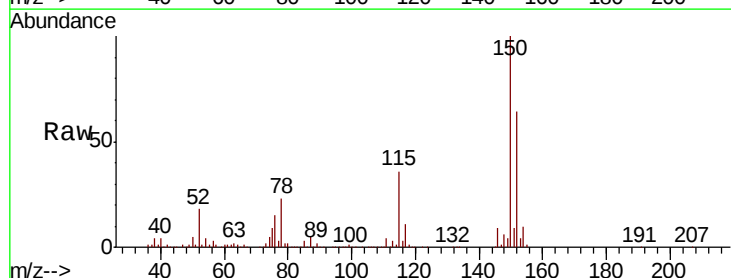
Tgt Ion:152 Resp: 519152

Ion Ratio Lower Upper

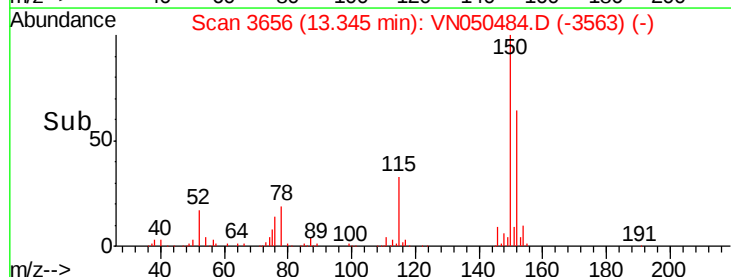
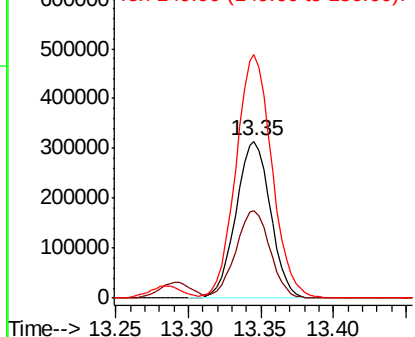
152 100

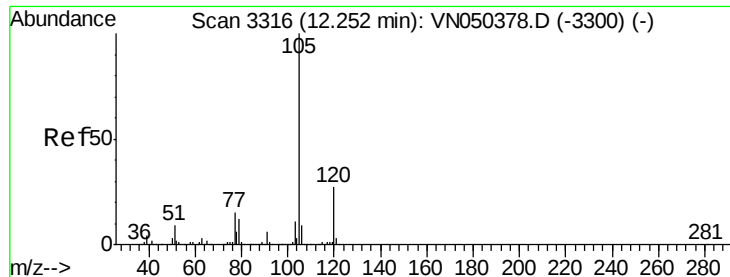
115 55.5 27.8 83.3

150 162.0 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
600000
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.81 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

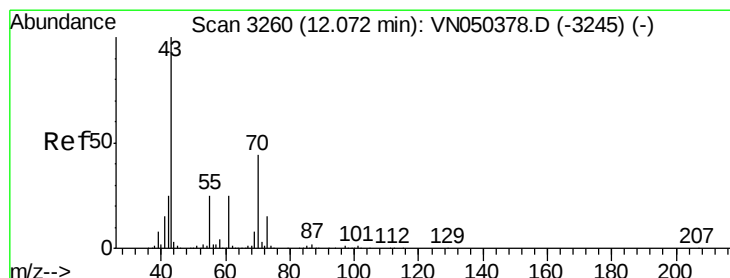
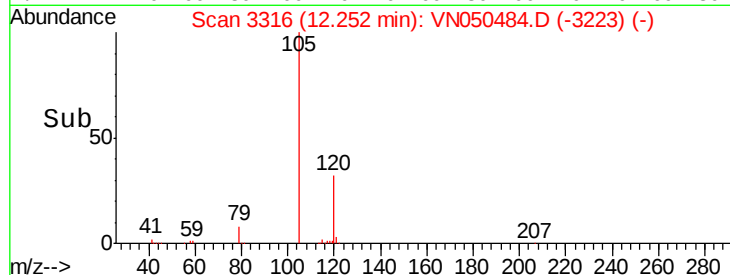
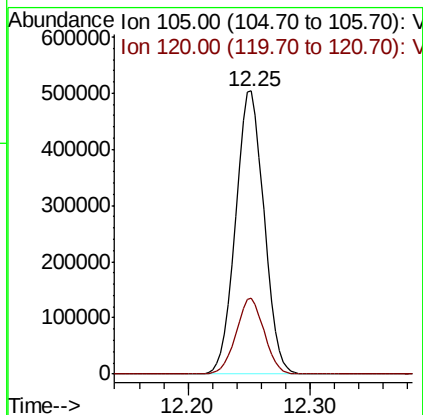
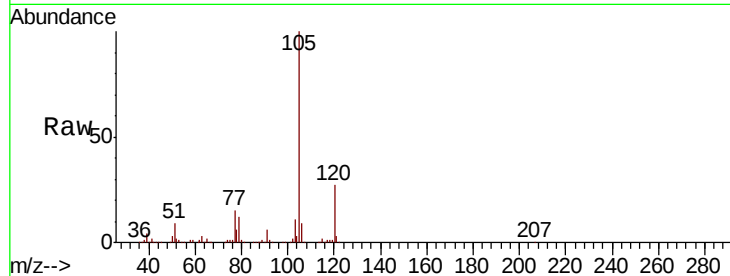
ClientSampled :

Tot Ion:105 Resp: 811139

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 17.88 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Tgt Ion: 43 Resp: 225823

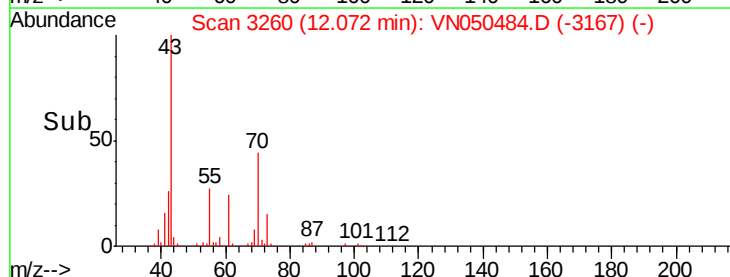
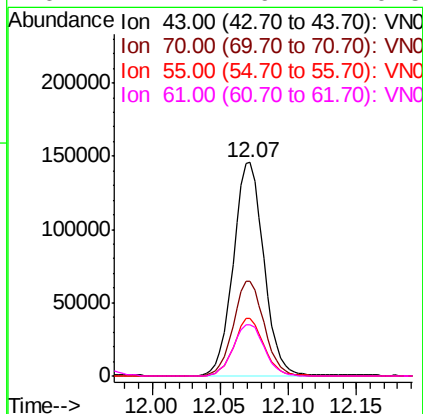
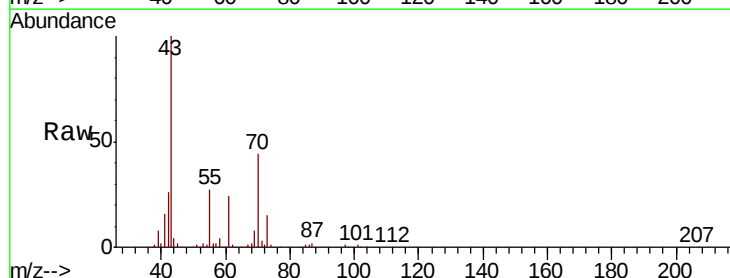
Ion Ratio Lower Upper

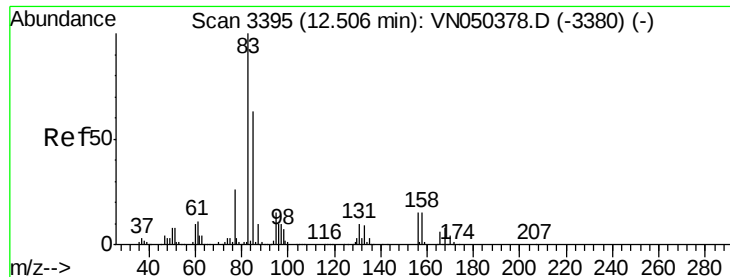
43 100

70 45.0 34.4 51.6

55 26.5 20.8 31.2

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.00 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

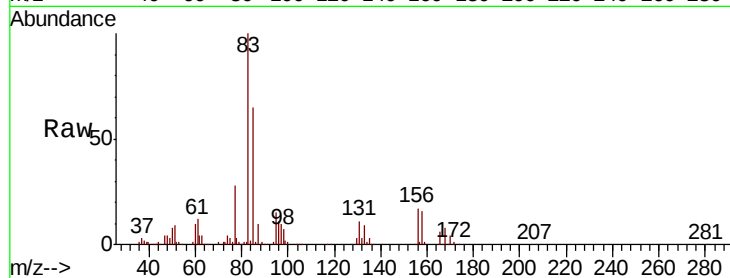
Tot Ion: 83 Resp: 213612

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.3

85 65.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050378.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050378.D (-3380) (-)

12.51

150000

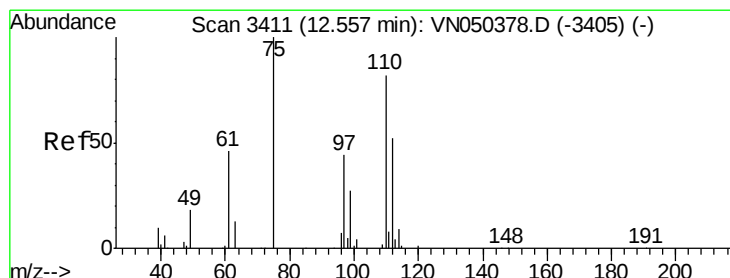
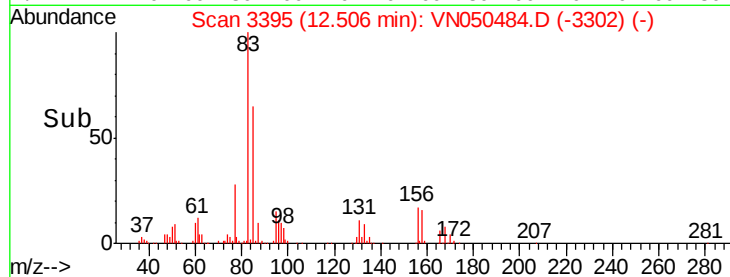
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.72 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050484.D

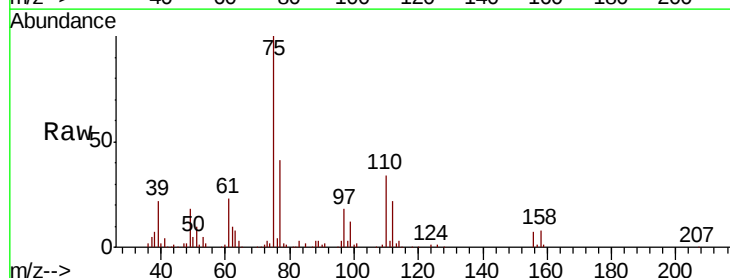
Acq: 9 Aug 2018 14:37

Tgt Ion: 75 Resp: 251121

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050378.D (-3405) (-)

200000

150000

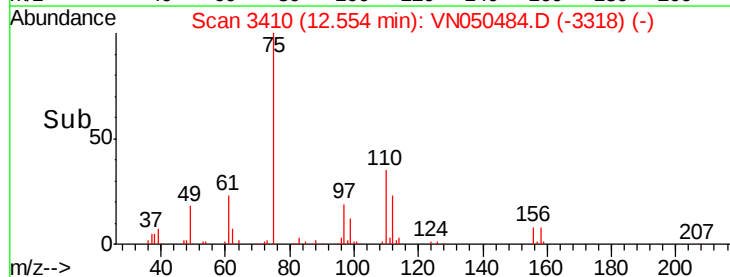
100000

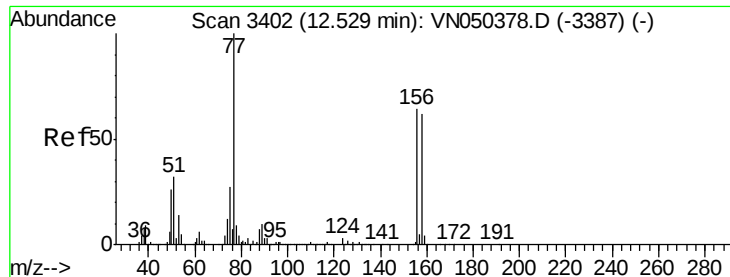
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.58 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

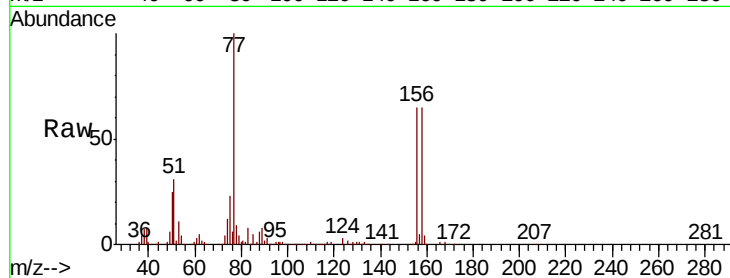
Tot Ion:156 Resp: 214815

Ion Ratio Lower Upper

156 100

77 179.6 91.7 275.1

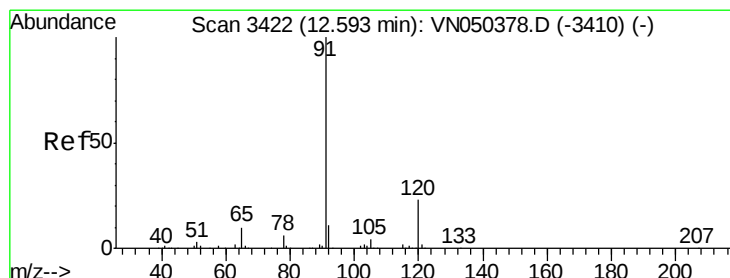
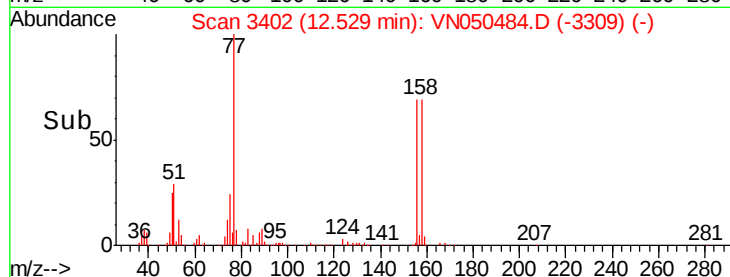
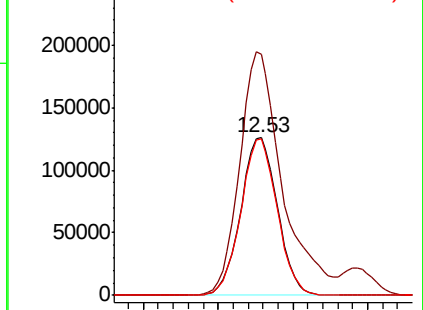
158 98.2 48.9 146.6



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: 20.68 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050484.D

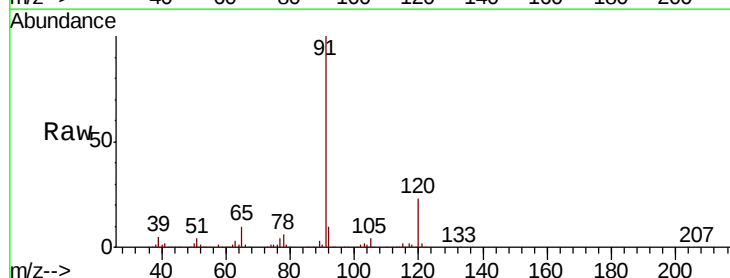
Acq: 9 Aug 2018 14:37

Tgt Ion: 91 Resp: 912116

Ion Ratio Lower Upper

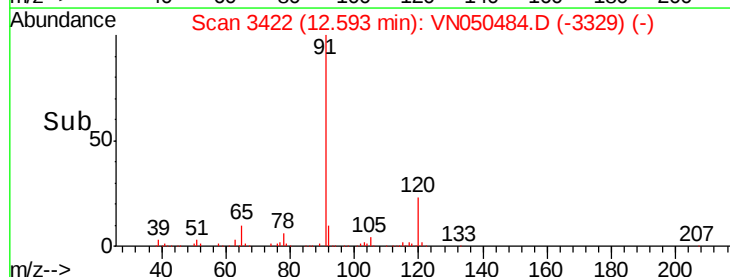
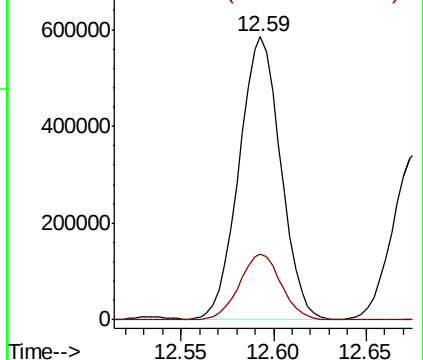
91 100

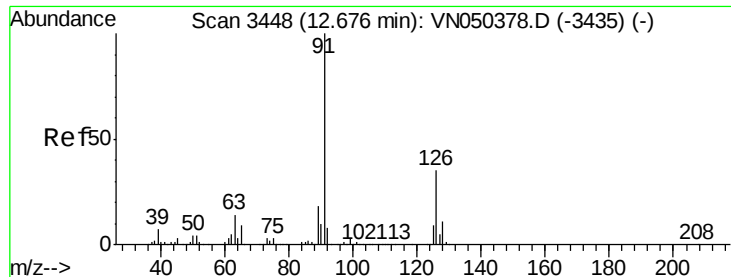
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.75 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

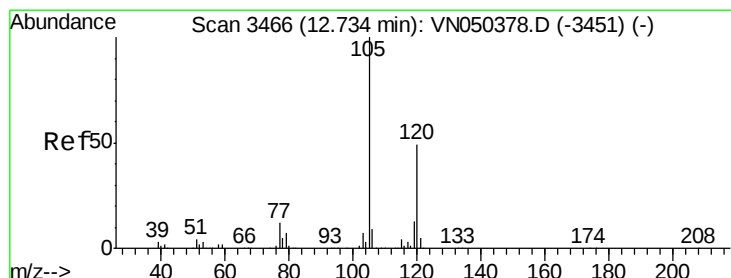
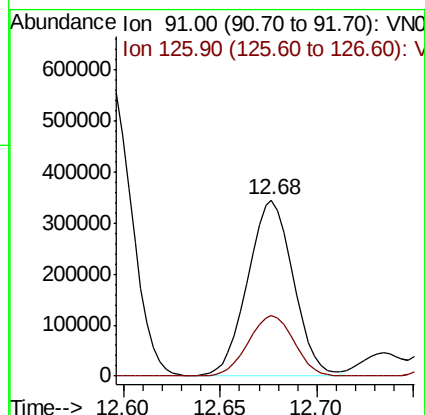
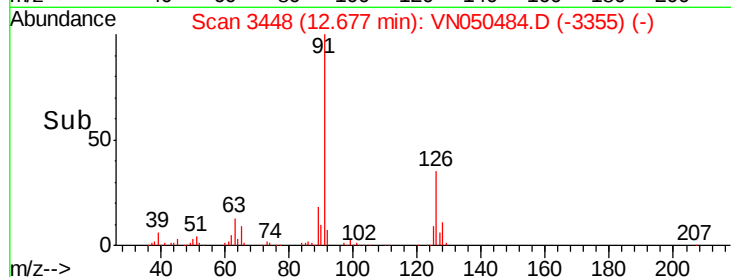
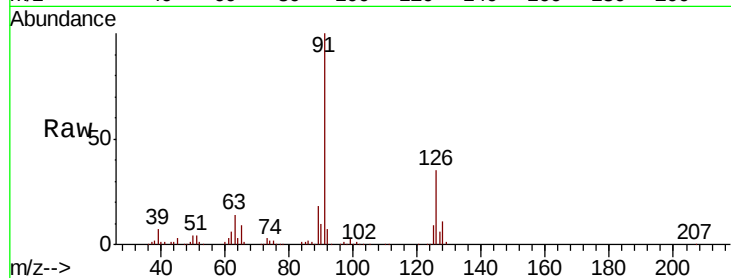
ClientSampled :

Tot Ion: 91 Resp: 565255

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050484.D

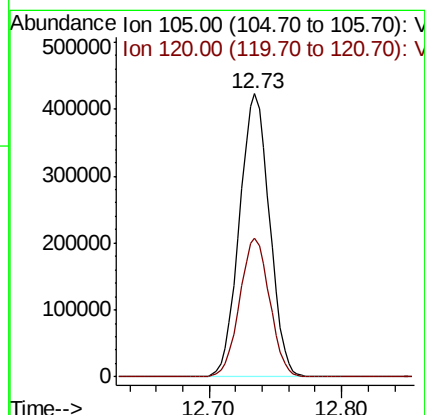
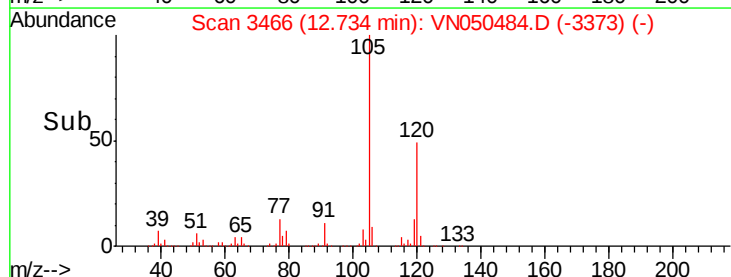
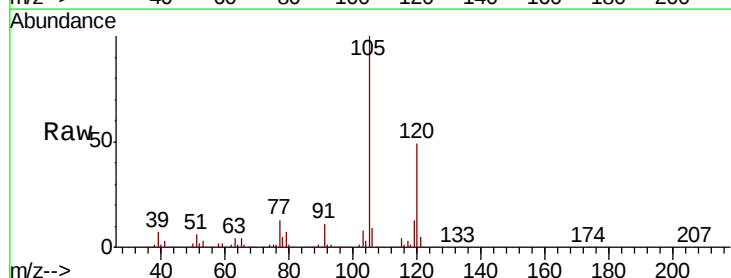
Acq: 9 Aug 2018 14:37

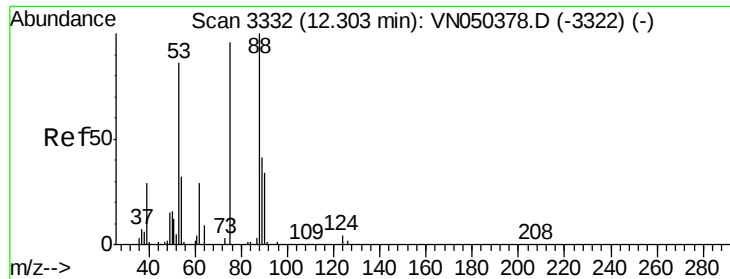
Tgt Ion: 105 Resp: 664846

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

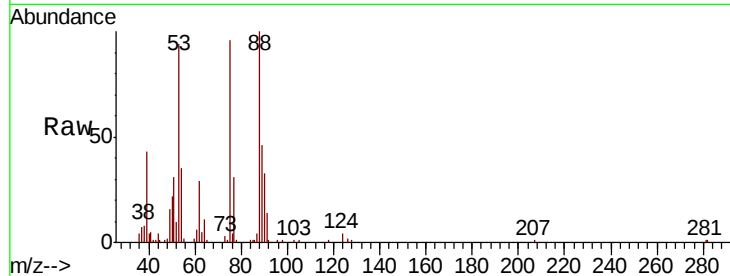
Tot Ion: 75 Resp: 49677

Ion Ratio Lower Upper

75 100

53 94.0 73.5 110.3

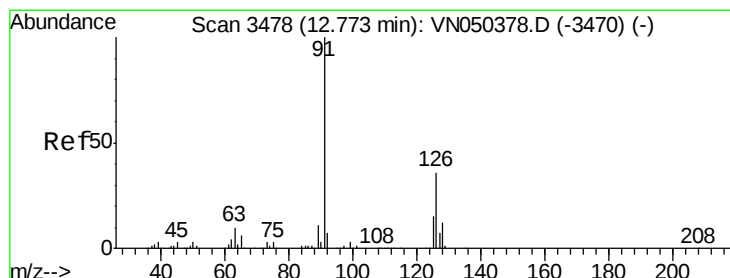
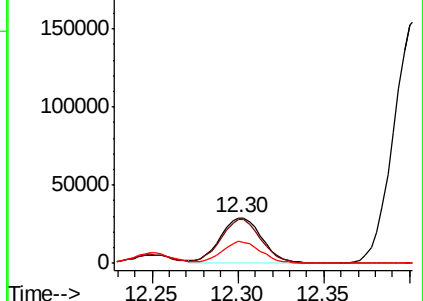
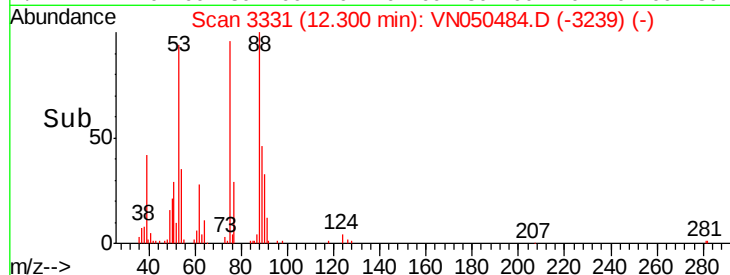
89 44.9 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.84 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050484.D

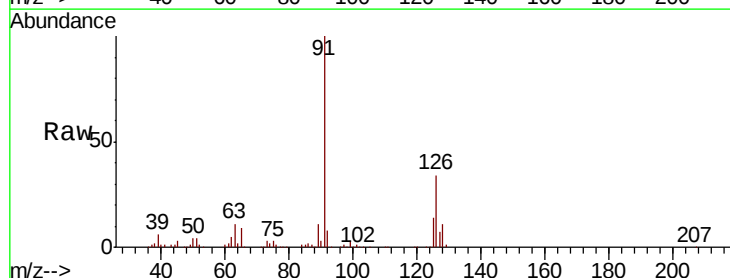
Acq: 9 Aug 2018 14:37

Tgt Ion: 91 Resp: 566108

Ion Ratio Lower Upper

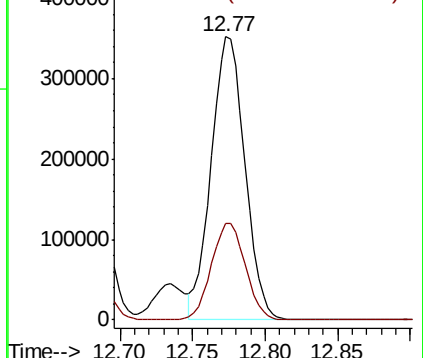
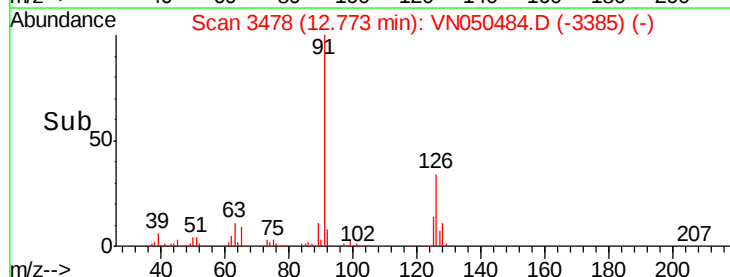
91 100

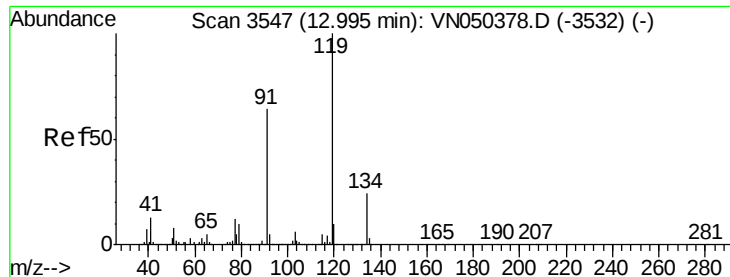
126 34.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.97 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

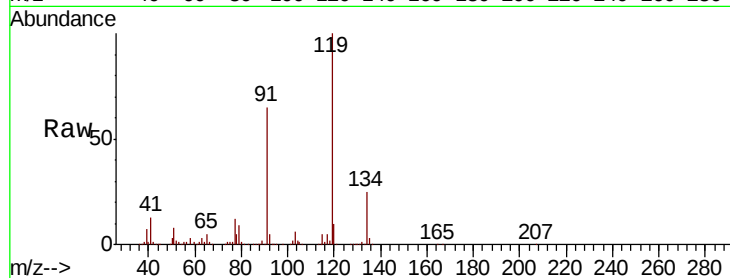
Tot Ion:119 Resp: 578673

Ion Ratio Lower Upper

119 100

91 62.7 32.1 96.3

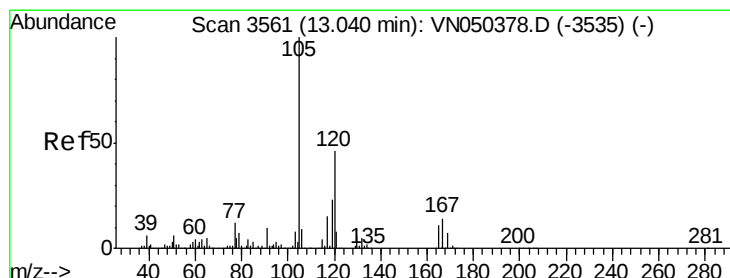
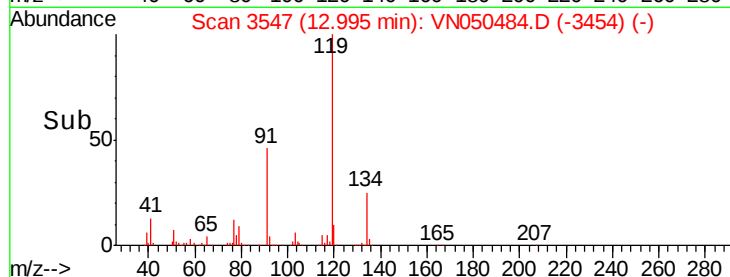
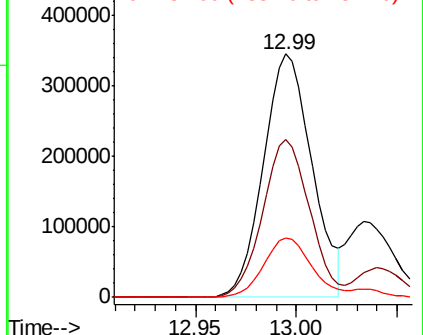
134 24.0 13.2 39.5



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: 21.35 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050484.D

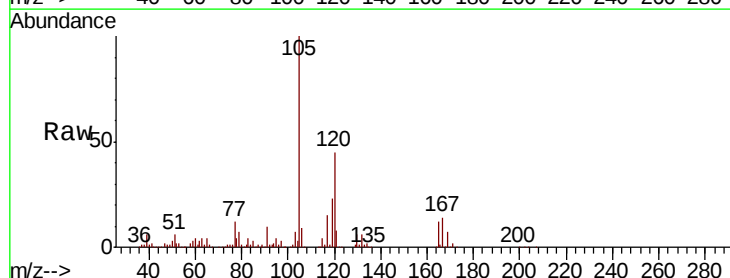
Acq: 9 Aug 2018 14:37

Tgt Ion:105 Resp: 684083

Ion Ratio Lower Upper

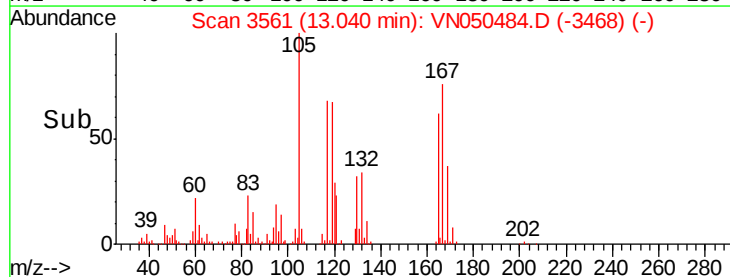
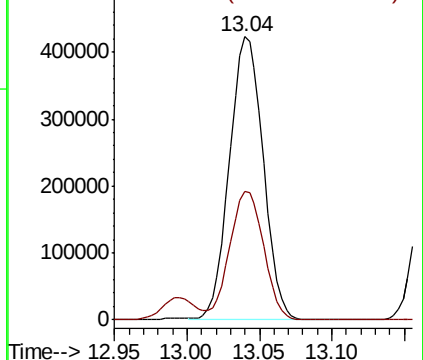
105 100

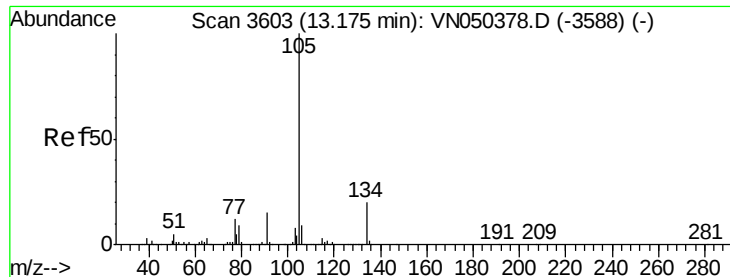
120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.34 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

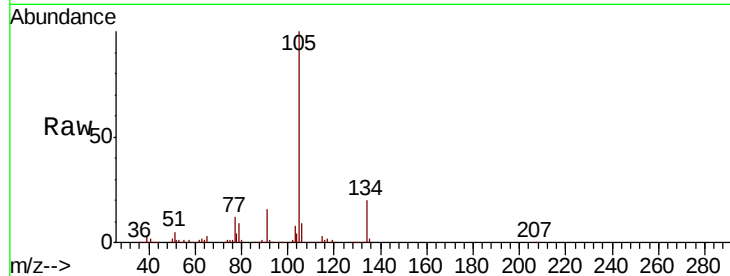
ClientSampled :

Tot Ion:105 Resp: 748070

Ion Ratio Lower Upper

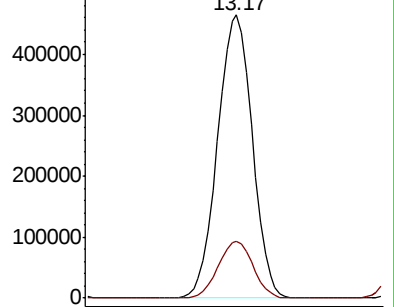
105 100

134 20.3 10.1 30.1

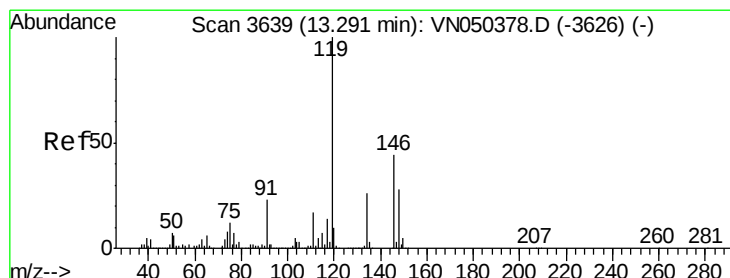
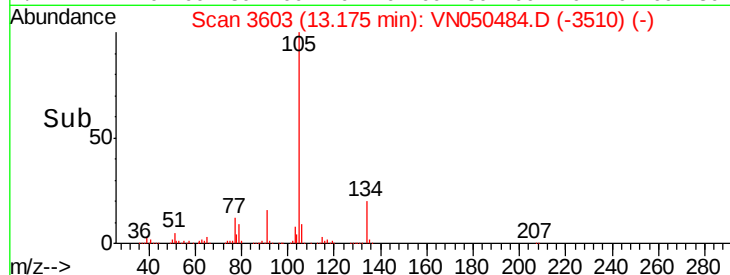


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.46 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

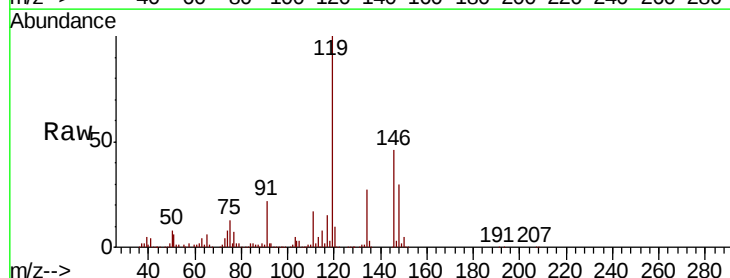
Tgt Ion:119 Resp: 644931

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

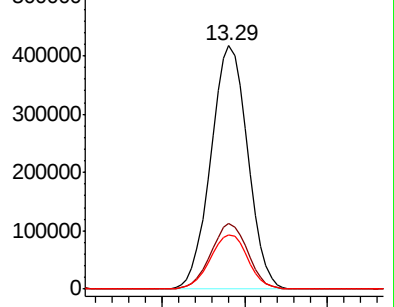
91 22.6 11.4 34.2



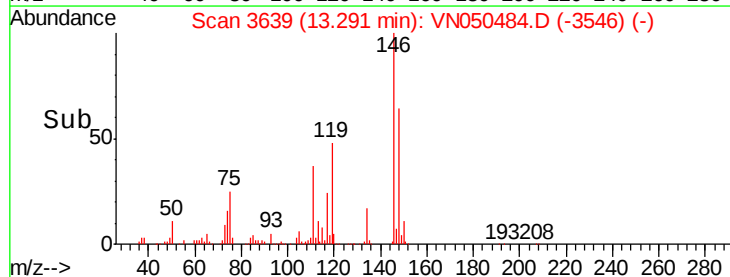
Abundance Ion 119.00 (118.70 to 119.70): V

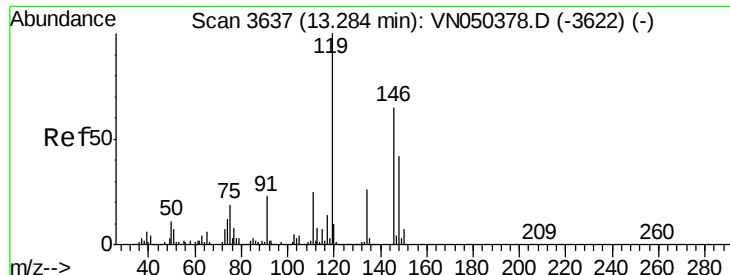
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 20.17 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

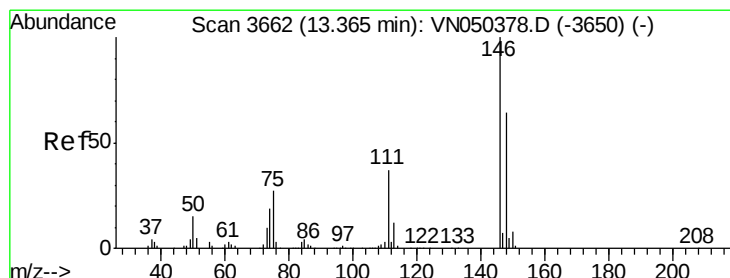
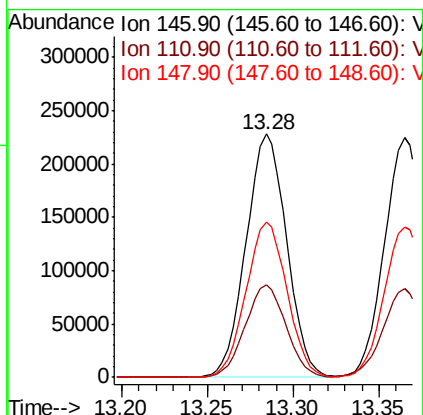
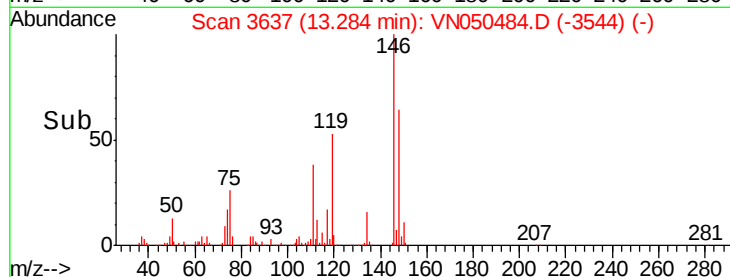
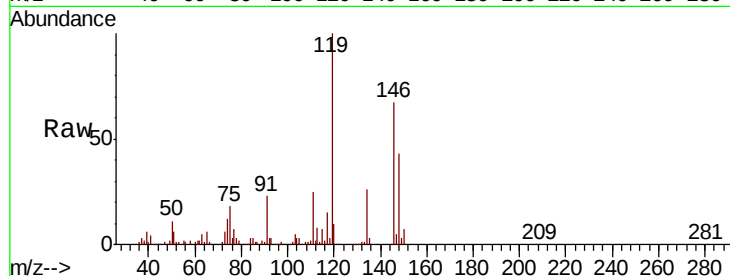
Tot Ion:146 Resp: 375146

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.4

148 64.4 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 19.83 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

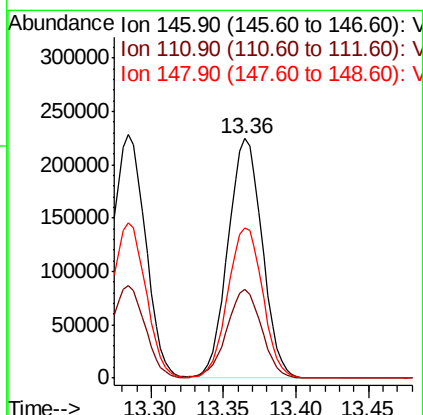
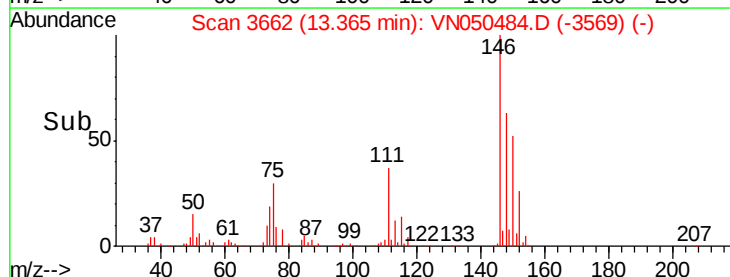
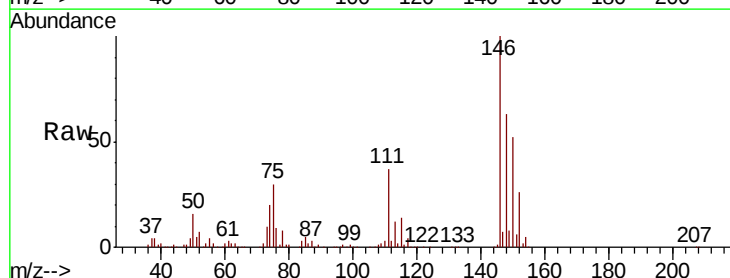
Tgt Ion:146 Resp: 368166

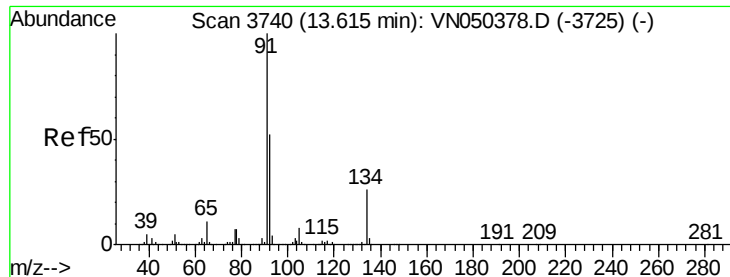
Ion Ratio Lower Upper

146 100

111 38.0 18.3 54.9

148 64.1 31.9 95.9

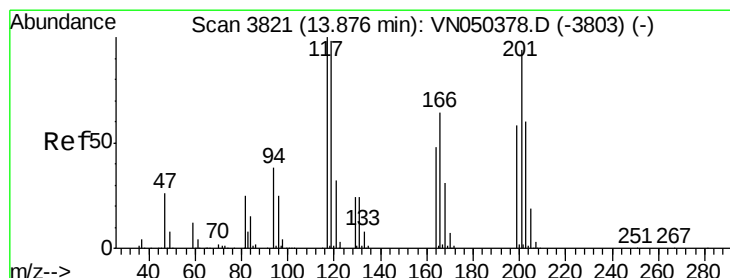
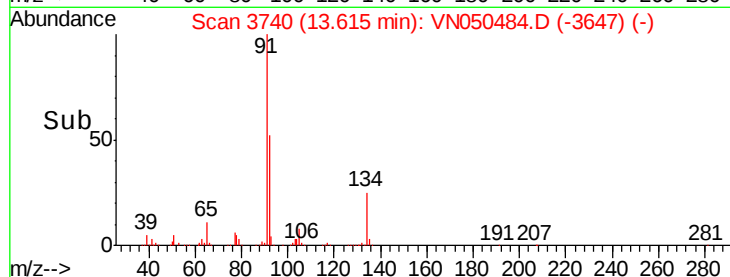
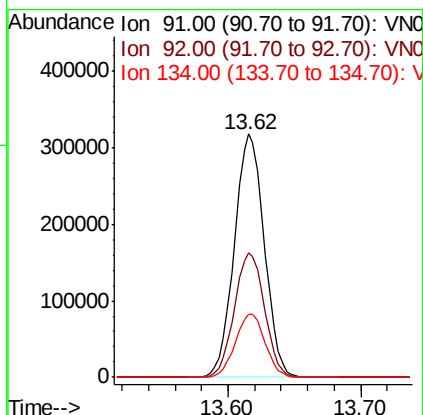
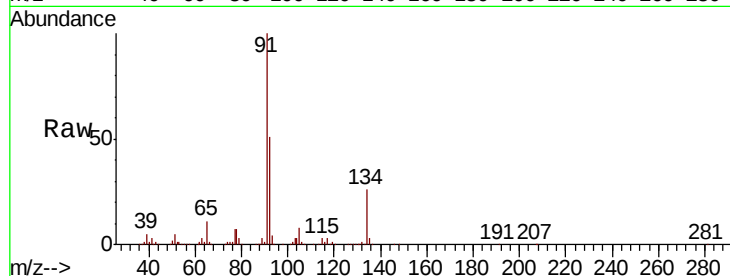




#89
n-Butylbenzene
Concen: 18.51 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

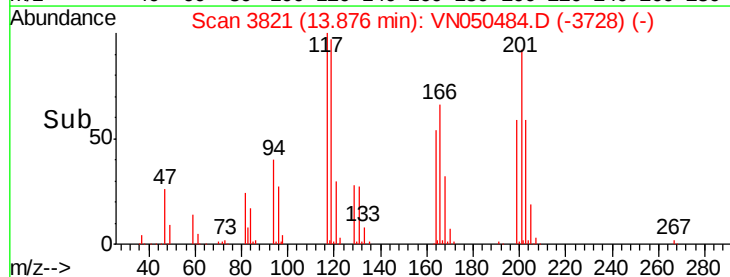
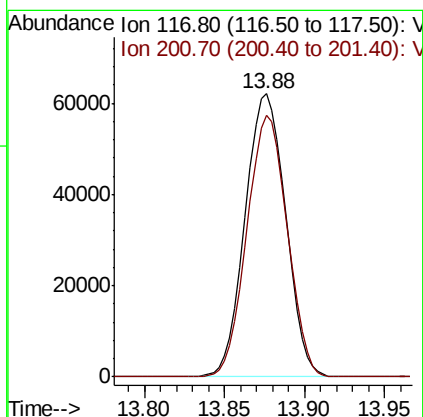
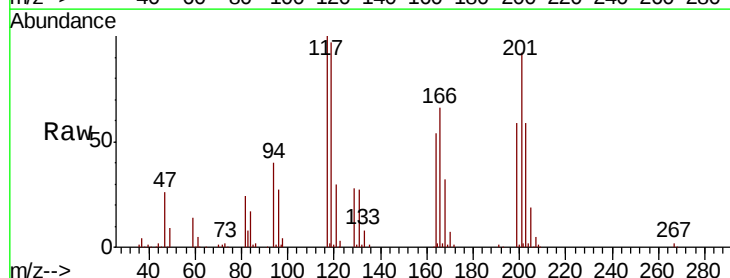
Instrument :
MSVOA_N
ClientSampleId :

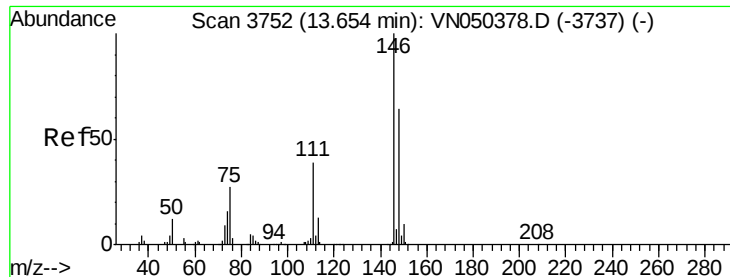
Tot Ion: 91 Resp: 496762
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 26.0 12.8 38.4



#90
Hexachloroethane
Concen: 19.21 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050484.D
Acq: 9 Aug 2018 14:37

Tgt Ion: 117 Resp: 107654
Ion Ratio Lower Upper
117 100
201 91.9 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.91 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

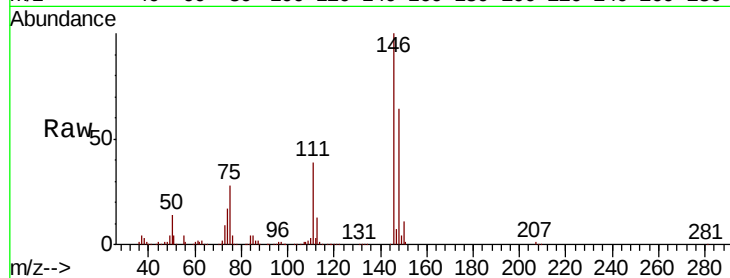
Tot Ion:146 Resp: 371046

Ion Ratio Lower Upper

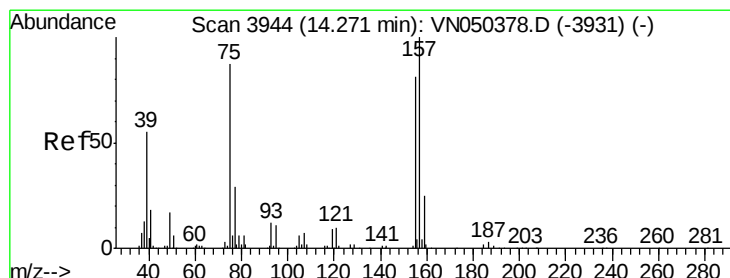
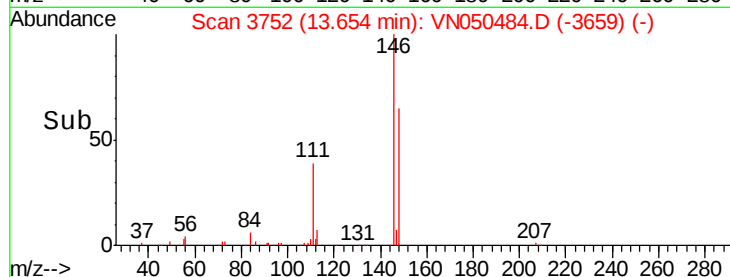
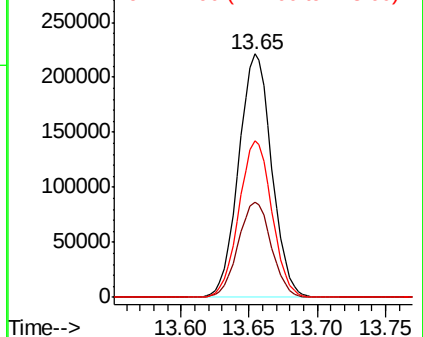
146 100

111 39.4 19.6 58.7

148 64.3 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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.22 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

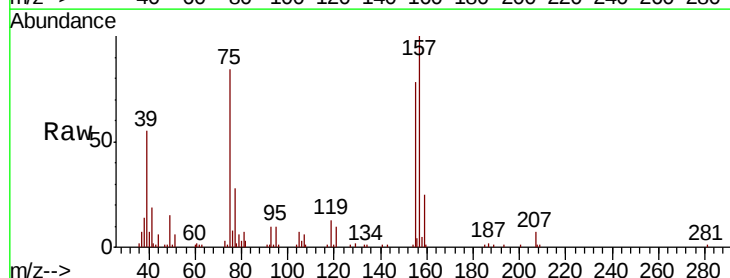
Tgt Ion: 75 Resp: 32868

Ion Ratio Lower Upper

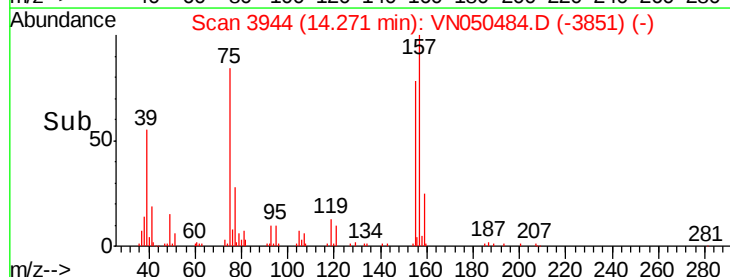
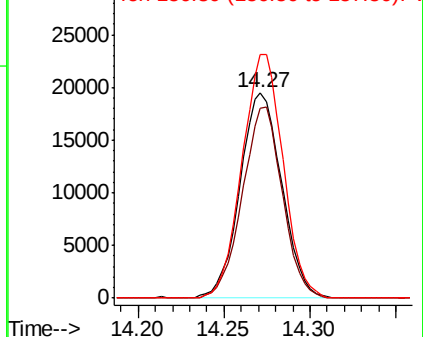
75 100

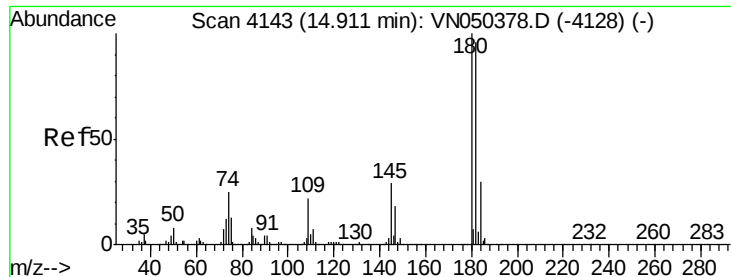
155 88.9 44.8 134.4

157 116.4 57.2 171.6



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

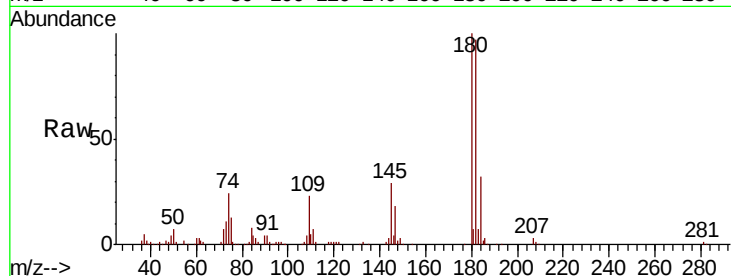




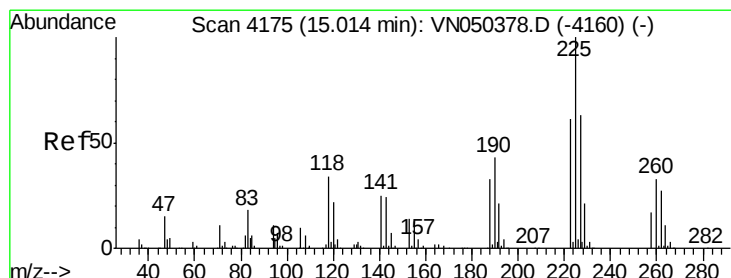
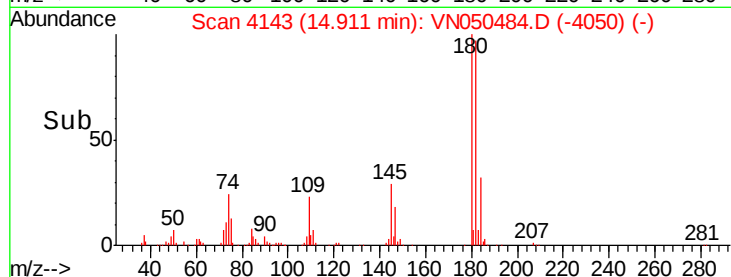
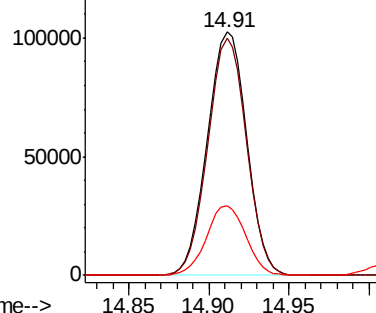
#93
 1,2,4-Trichlorobenzene
 Concen: 18.09 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 171781
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.7 140.1
 145 28.8 13.8 41.4

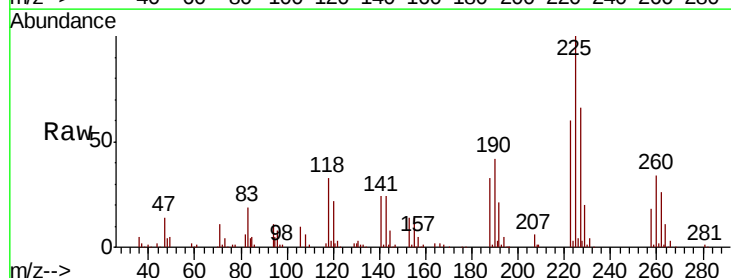


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

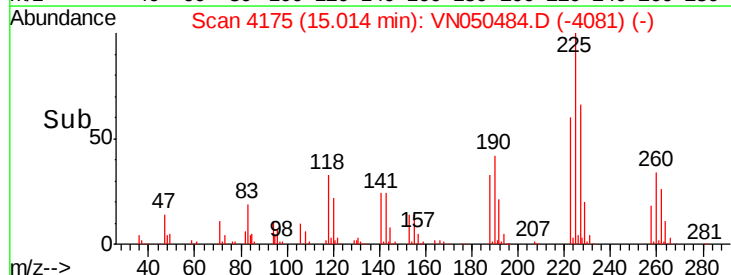
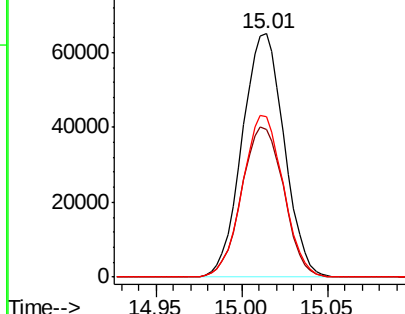


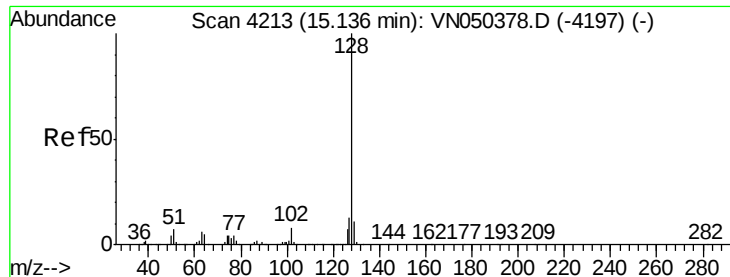
#94
 Hexachlorobutadiene
 Concen: 20.27 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050484.D
 Acq: 9 Aug 2018 14:37

Tgt Ion:225 Resp: 110181
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 64.9 32.1 96.5



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: 17.28 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

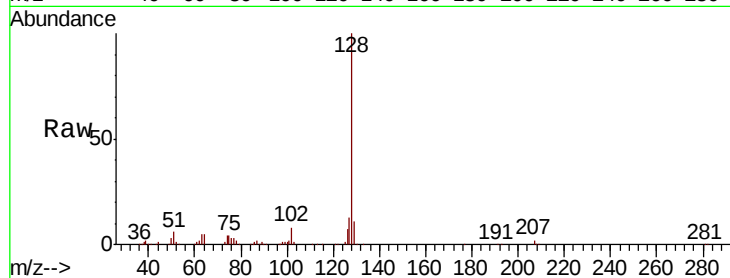
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 370160

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.3	8.8	13.2

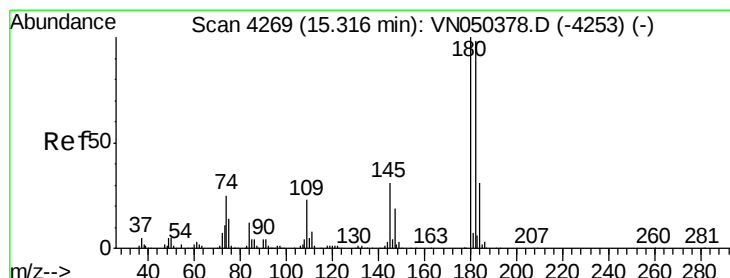
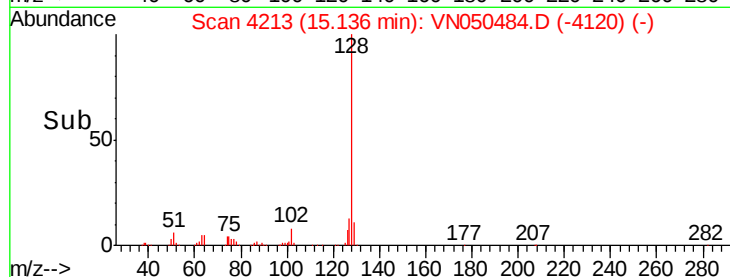
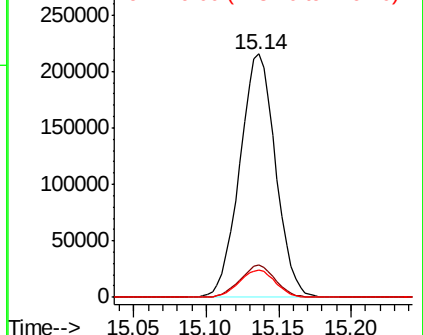


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.45 ug/l

RT: 15.32 min Scan# 4269

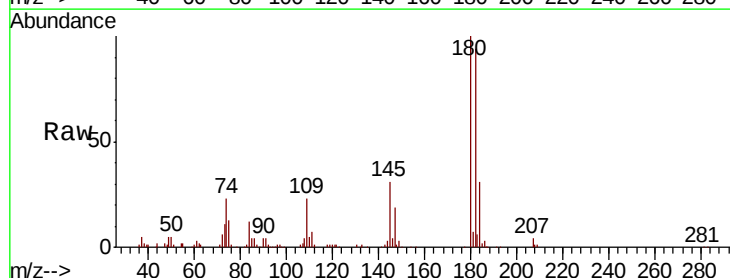
Delta R.T. 0.00 min

Lab File: VN050484.D

Acq: 9 Aug 2018 14:37

Tgt Ion:180 Resp: 167544

Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.4
145	31.2	15.3	45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

