

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052913.D
 Acq On : 15 Dec 2018 2:13
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 03:05:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1221565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1890846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1625726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	702729	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	648762	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	415387	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	
50) Toluene-d8	10.09	98	2270515	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	743644	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	602471	47.911	ug/l	99
3) Chloromethane	2.06	50	681834	45.178	ug/l	100
4) Vinyl Chloride	2.19	62	741297	49.096	ug/l	99
5) Bromomethane	2.57	94	441873	47.448	ug/l	100
6) Chloroethane	2.71	64	441686	49.490	ug/l	98
7) Trichlorofluoromethane	3.03	101	960594	51.315	ug/l	100
8) Diethyl Ether	3.42	74	355878	52.117	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	590100	50.863	ug/l	99
10) Methyl Iodide	3.96	142	848912	52.249	ug/l	100
11) Tert butyl alcohol	4.77	59	176409	243.071	ug/l #	89
12) 1,1-Dichloroethene	3.75	96	579831	51.628	ug/l	98
13) Acrolein	3.61	56	142927	209.171	ug/l	100
14) Allyl chloride	4.33	41	888532	48.437	ug/l	99
15) Acrylonitrile	4.99	53	1017213	249.836	ug/l	99
16) Acetone	3.82	43	656507	225.049	ug/l	97
17) Carbon Disulfide	4.06	76	1676282	48.586	ug/l	100
18) Methyl Acetate	4.33	43	545228	50.927	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1580053	51.822	ug/l	98
20) Methylene Chloride	4.56	84	641279	48.848	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	618031	50.793	ug/l	98
22) Diisopropyl ether	5.95	45	1990540	50.864	ug/l	98
23) Vinyl Acetate	5.90	43	5492716	235.873	ug/l	99
24) 1,1-Dichloroethane	5.86	63	1164815	51.614	ug/l	100
25) 2-Butanone	6.83	43	1068006	235.949	ug/l	98
26) 2,2-Dichloropropane	6.83	77	718062	43.206	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	707505	51.232	ug/l	98
28) Bromochloromethane	7.20	49	507839	50.112	ug/l	97
29) Tetrahydrofuran	7.21	42	756900	244.941	ug/l	98
30) Chloroform	7.37	83	1129024	51.302	ug/l	100
31) Cyclohexane	7.66	56	1082592	49.176	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	953721	51.796	ug/l	99
36) 1,1-Dichloropropene	7.80	75	880293	50.556	ug/l	99
37) Ethyl Acetate	6.93	43	514192	49.157	ug/l	100
38) Carbon Tetrachloride	7.78	117	814240	50.804	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052913.D
 Acq On : 15 Dec 2018 2:13
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 03:05:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1038196	48.587	ug/l	99
40) Benzene	8.04	78	2634359	50.408	ug/l	98
41) Methacrylonitrile	7.18	41	322622	55.666	ug/l	89
42) 1,2-Dichloroethane	8.13	62	793526	50.436	ug/l	100
43) Isopropyl Acetate	8.17	43	980440	45.716	ug/l	99
44) Trichloroethene	8.84	130	774710	54.882	ug/l	98
45) 1,2-Dichloropropane	9.12	63	696227	50.863	ug/l	99
46) Dibromomethane	9.21	93	391256	49.286	ug/l	99
47) Bromodichloromethane	9.40	83	841342	51.108	ug/l	100
48) Methyl methacrylate	9.20	41	470710	50.049	ug/l	98
49) 1,4-Dioxane	9.20	88	102635	961.402	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2419428	246.028	ug/l	99
52) Toluene	10.16	92	1589059	50.204	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	827603	49.960	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	994374	50.374	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	556450	49.248	ug/l	99
56) Ethyl methacrylate	10.43	69	748403	51.613	ug/l	99
57) 1,3-Dichloropropane	10.71	76	969662	50.045	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2100929	259.667	ug/l	99
59) 2-Hexanone	10.75	43	1590701	236.030	ug/l	99
60) Dibromochloromethane	10.90	129	614527	50.324	ug/l	100
61) 1,2-Dibromoethane	11.01	107	551269	49.359	ug/l	99
64) Tetrachloroethene	10.63	164	921218	65.930	ug/l	100
65) Chlorobenzene	11.44	112	1692069	50.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	604761	51.556	ug/l	98
67) Ethyl Benzene	11.51	91	2953534	50.992	ug/l	99
68) m/p-Xylenes	11.62	106	2201670	101.231	ug/l	100
69) o-Xylene	11.95	106	1067632	50.271	ug/l	100
70) Styrene	11.96	104	1747819	51.196	ug/l	99
71) Bromoform	12.13	173	390782	49.037	ug/l #	99
73) Isopropylbenzene	12.25	105	2821972	53.784	ug/l	99
74) N-amyl acetate	12.07	43	806175	55.966	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	480093	40.828	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	767378	74.014	ug/l #	100
77) Bromobenzene	12.53	156	712801	53.413	ug/l	97
78) n-propylbenzene	12.59	91	3169452	52.966	ug/l	100
79) 2-Chlorotoluene	12.68	91	1848620	52.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2202965	52.012	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163079	50.530	ug/l	98
82) 4-Chlorotoluene	12.77	91	1869871	51.697	ug/l	100
83) tert-Butylbenzene	12.99	119	1948803	52.159	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2227321	51.945	ug/l	99
85) sec-Butylbenzene	13.17	105	2613122	51.643	ug/l	100
86) p-Isopropyltoluene	13.29	119	2242992	51.165	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1186964	50.051	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1165974	49.647	ug/l	99
89) n-Butylbenzene	13.62	91	1855408	50.276	ug/l	100
90) Hexachloroethane	13.88	117	329250	44.853	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1109747	48.646	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82923	46.782	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
Data File : VN052913.D
Acq On : 15 Dec 2018 2:13
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 15 03:05:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

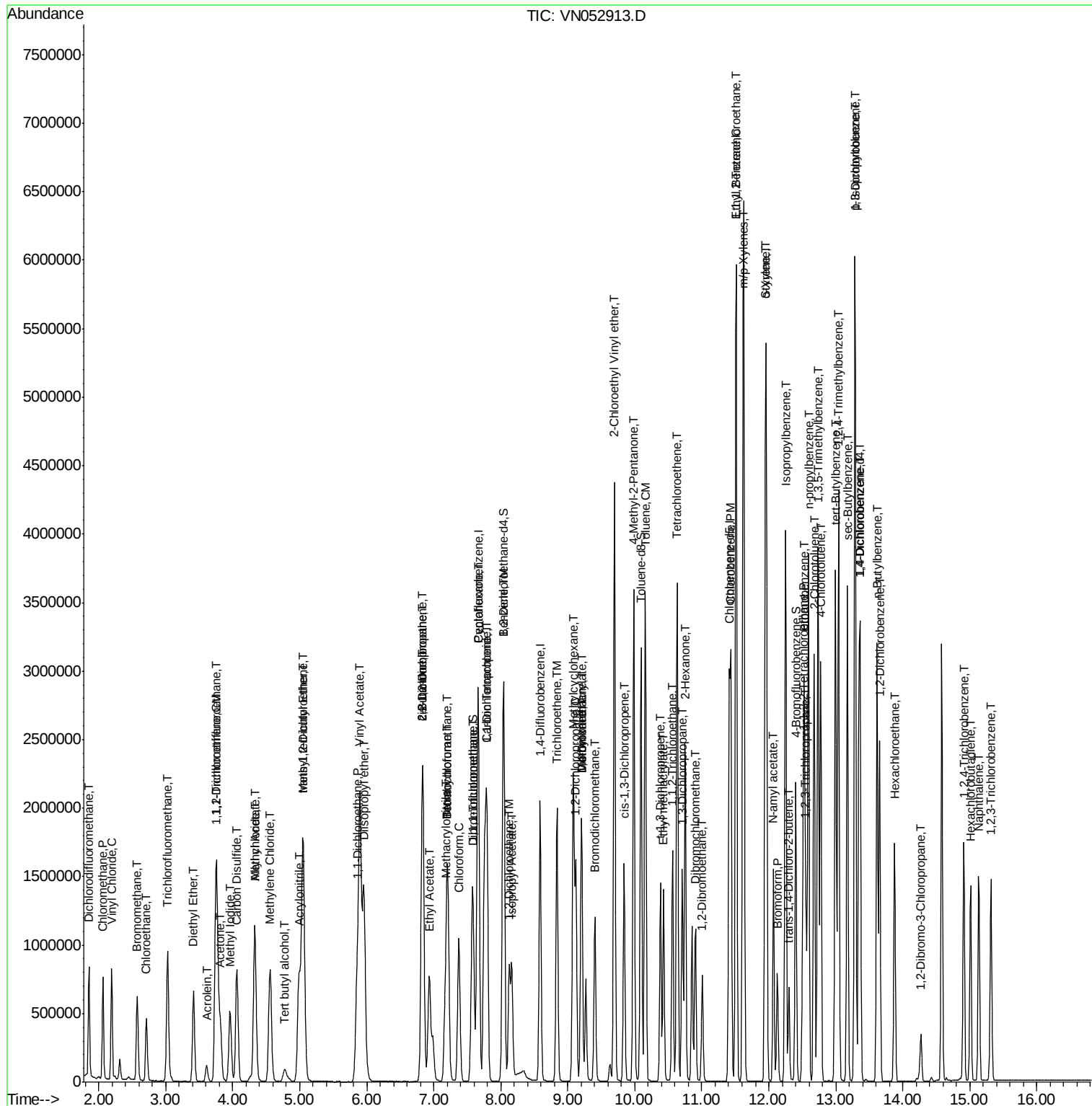
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	611673	49.327	ug/l	100
94) Hexachlorobutadiene	15.01	225	312794	43.579	ug/l	99
95) Naphthalene	15.13	128	1331724	51.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	554570	48.739	ug/l	100

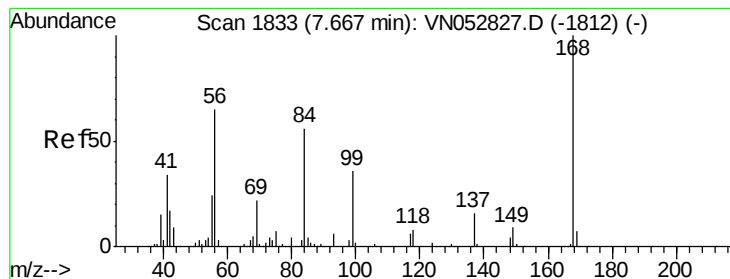
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052913.D
 Acq On : 15 Dec 2018 2:13
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 03:05:28 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

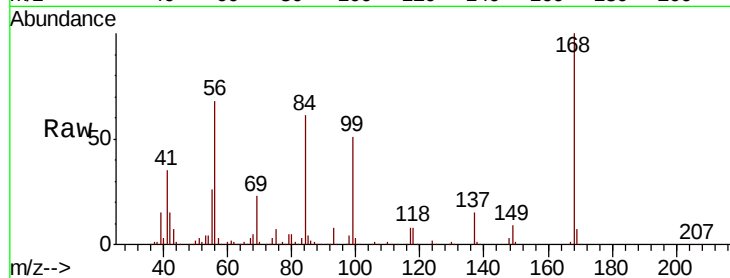
ClientSampleId :

Tot Ion:168 Resp: 1221565

Ion Ratio Lower Upper

168 100

99 50.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052913.D (-1740) (-)

7.67

600000

500000

400000

300000

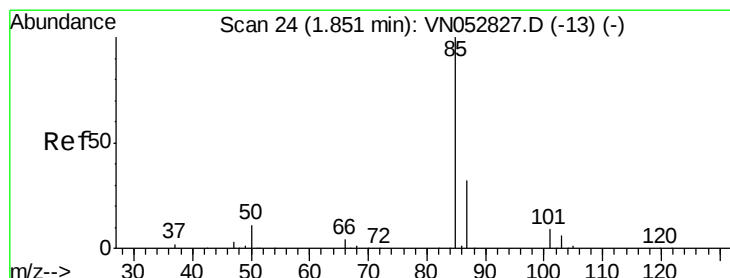
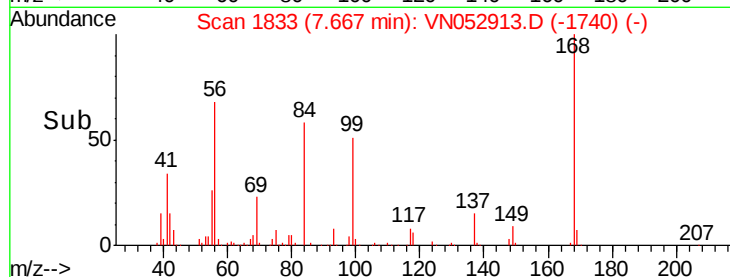
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.911 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052913.D

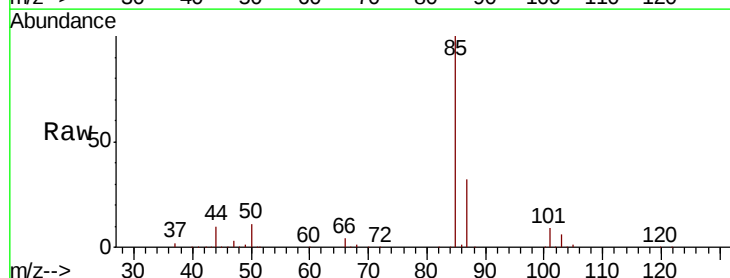
Acq: 15 Dec 2018 2:13

Tgt Ion: 85 Resp: 602471

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052827.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052913.D (-1) (-)

1.85

500000

400000

300000

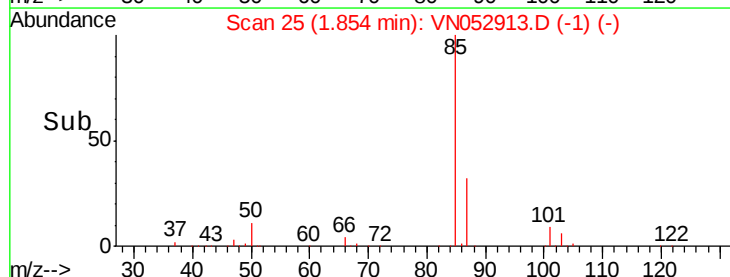
200000

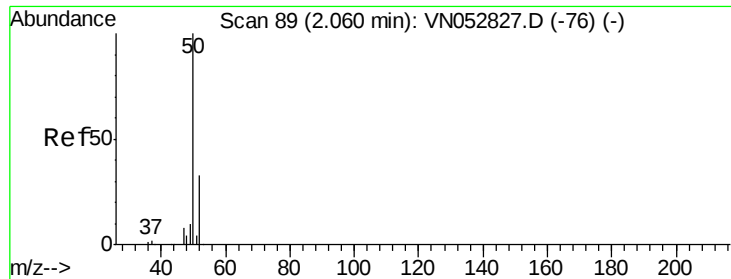
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.178 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

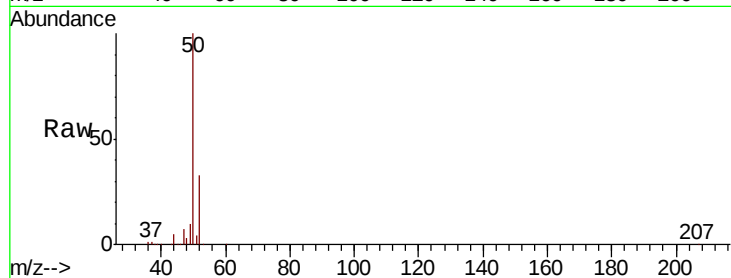
ClientSampled :

Tot Ion: 50 Resp: 681834

Ion Ratio Lower Upper

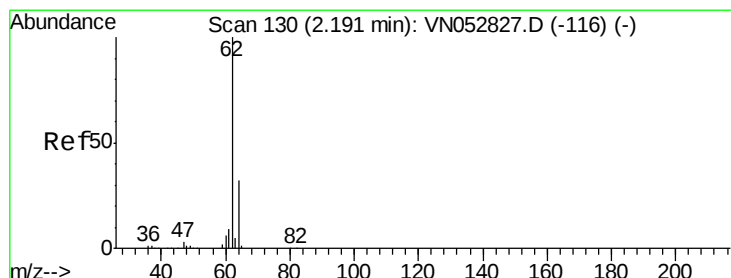
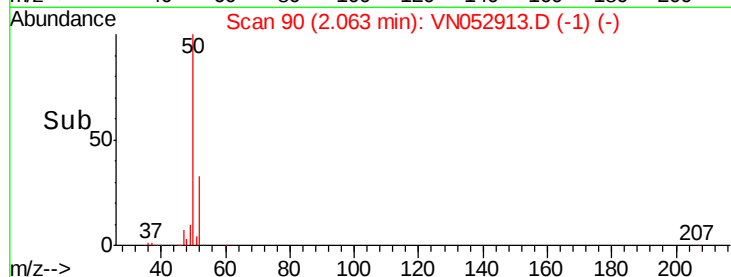
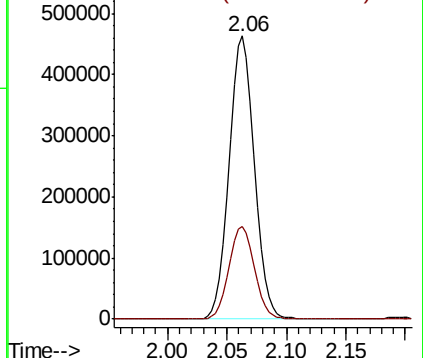
50 100

52 32.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.096 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052913.D

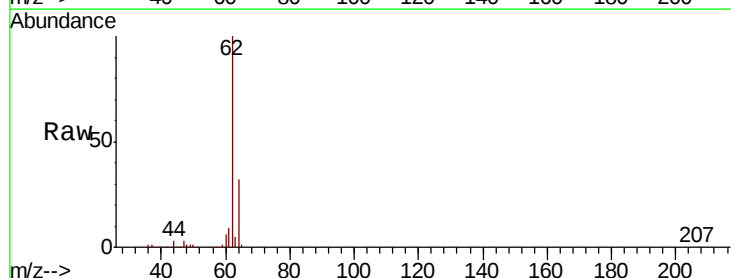
Acq: 15 Dec 2018 2:13

Tgt Ion: 62 Resp: 741297

Ion Ratio Lower Upper

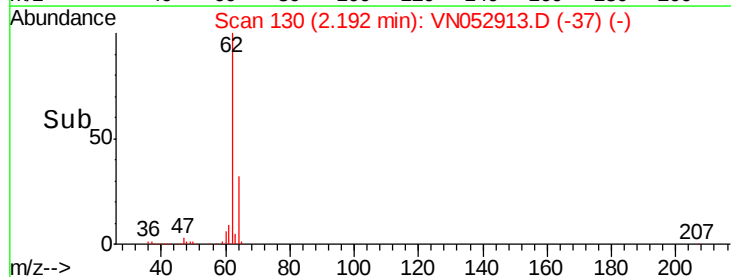
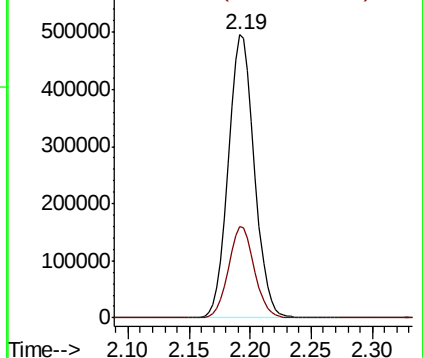
62 100

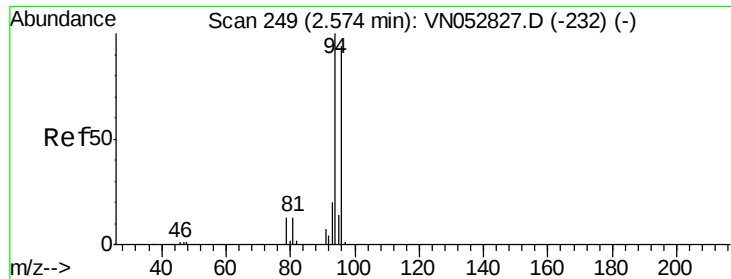
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.448 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

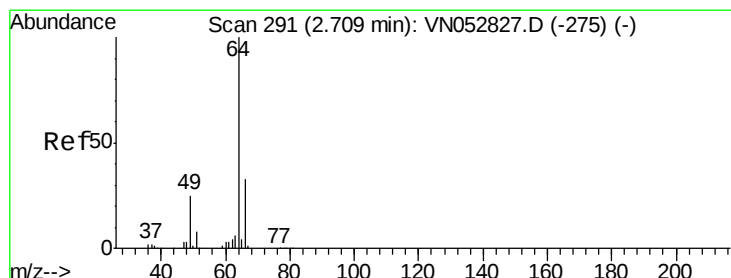
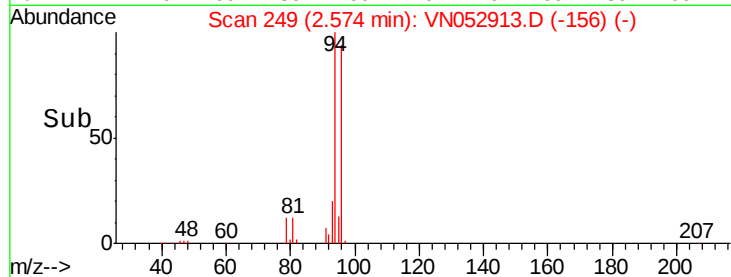
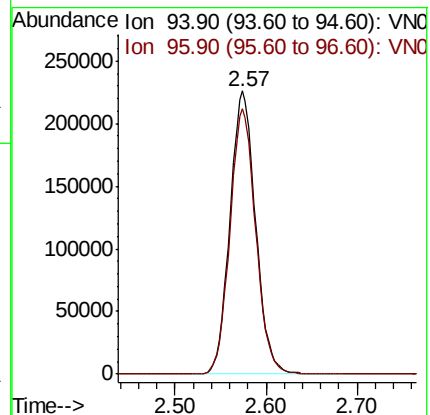
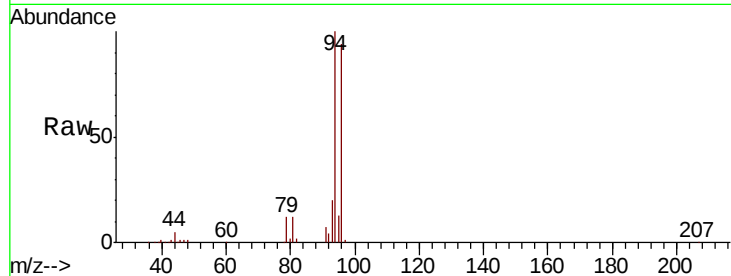
ClientSampled :

Tot Ion: 94 Resp: 441873

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.4



#6

Chloroethane

Concen: 49.490 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052913.D

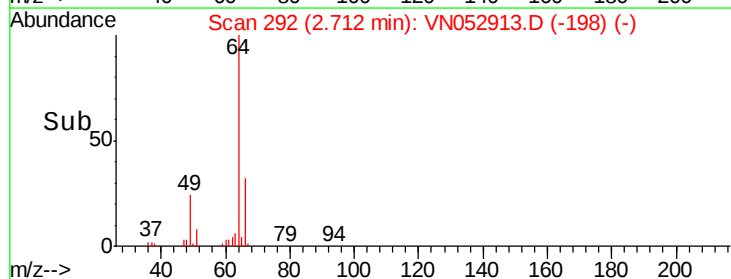
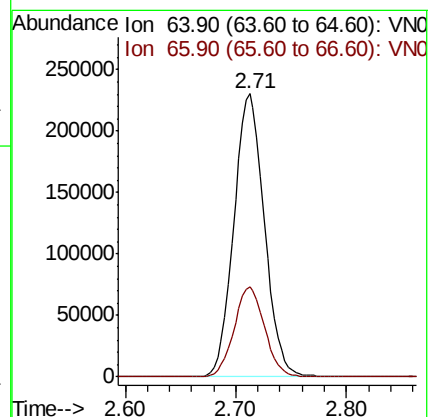
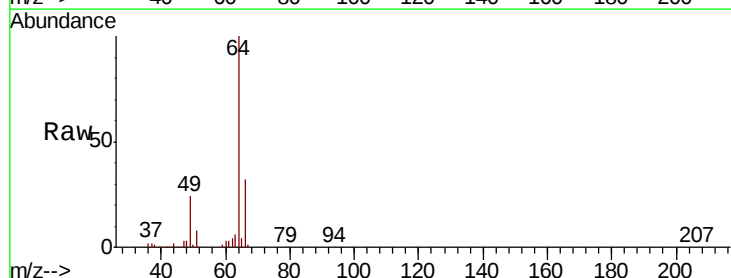
Acq: 15 Dec 2018 2:13

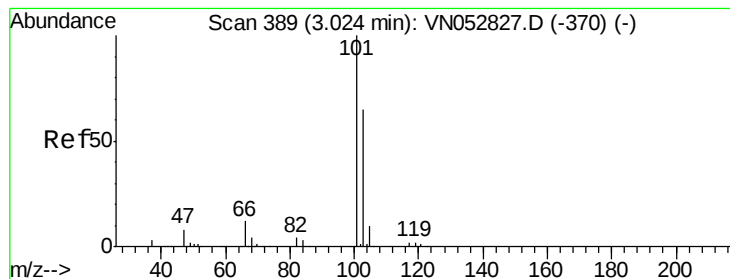
Tgt Ion: 64 Resp: 441686

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2



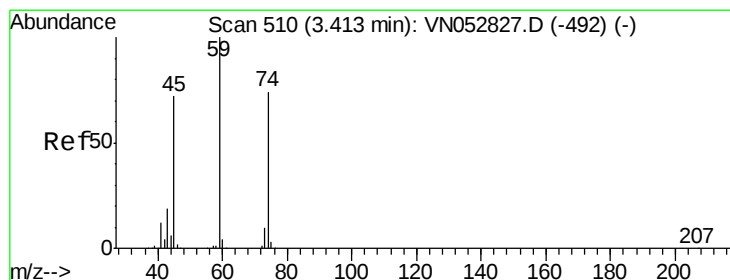
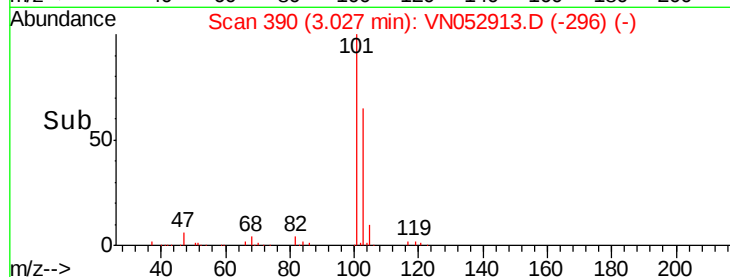
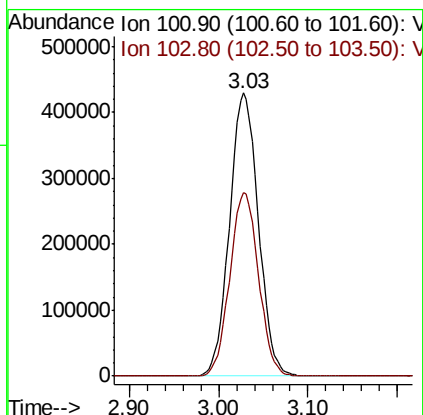
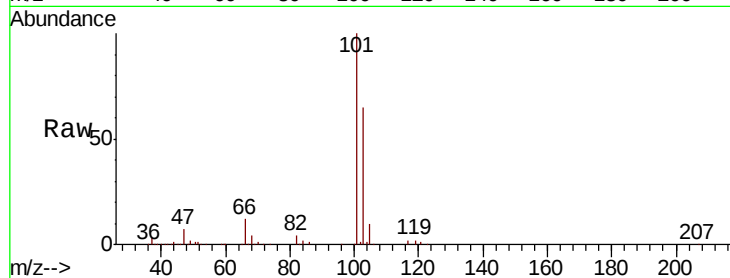


#7

Trichlorofluoromethane
 Concen: 51.315 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :

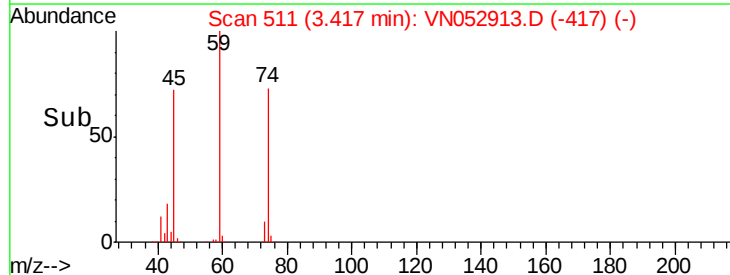
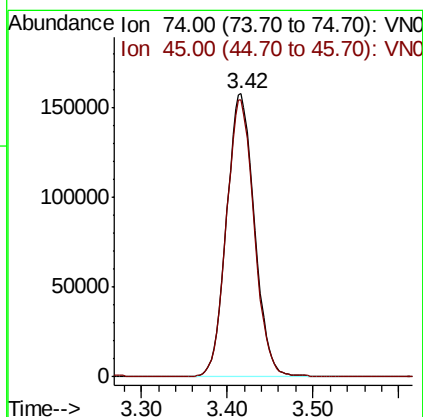
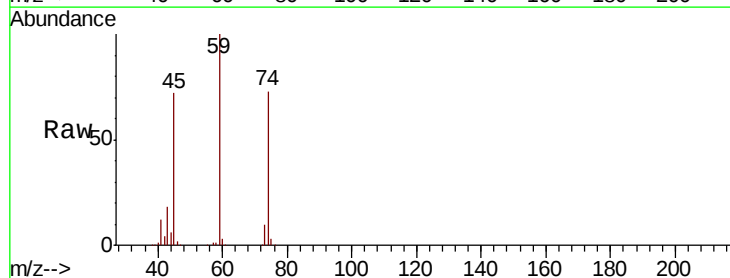
Tot Ion:101 Resp: 960594
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.6

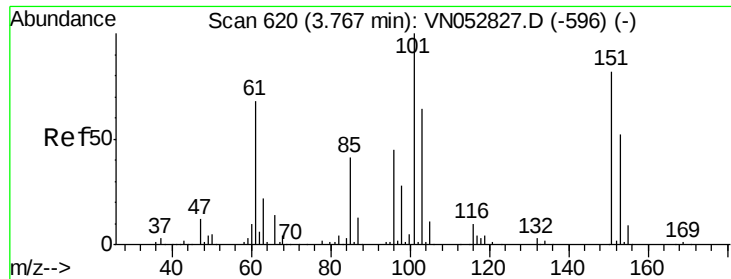


#8

Diethyl Ether
 Concen: 52.117 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 74 Resp: 355878
 Ion Ratio Lower Upper
 74 100
 45 97.0 49.4 148.0

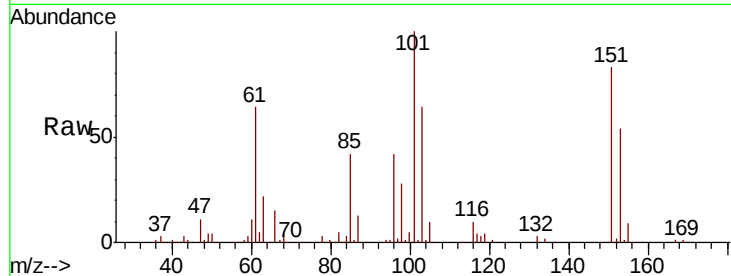




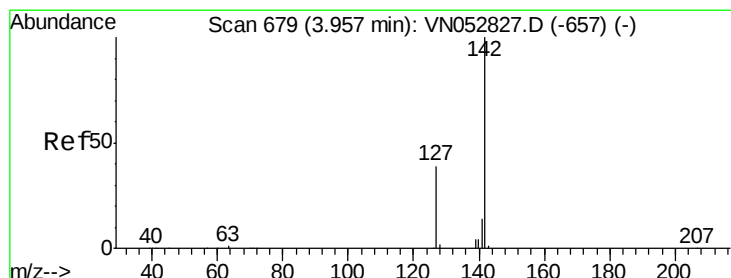
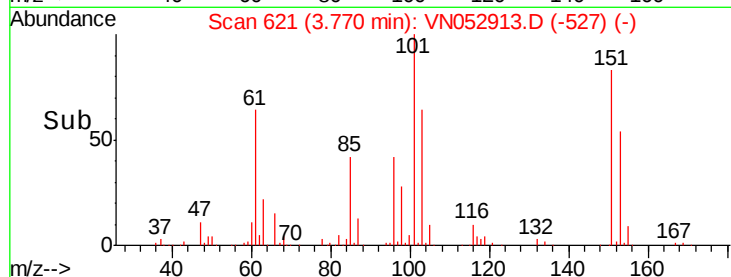
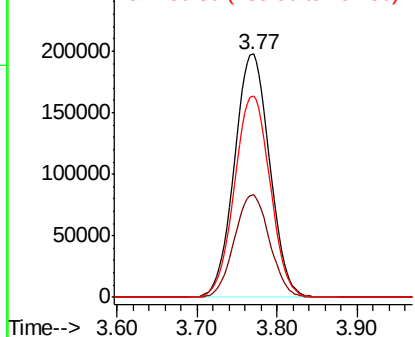
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.863 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.1	33.6	50.4
151	83.6	65.5	98.3

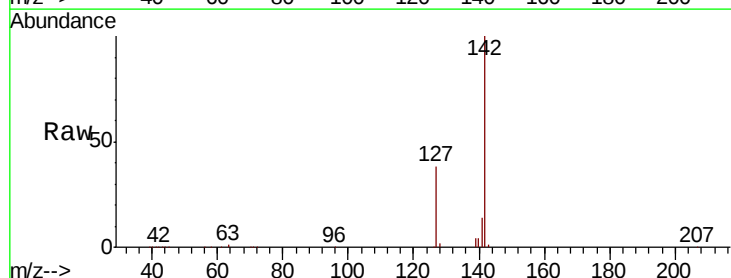


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

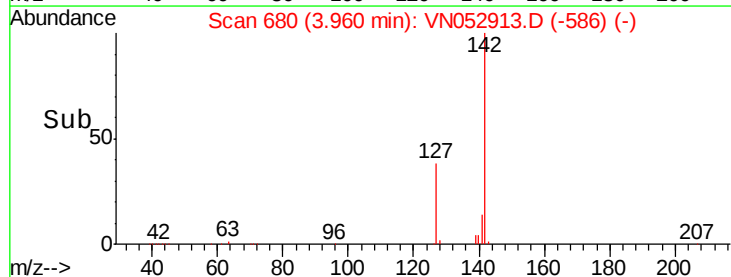
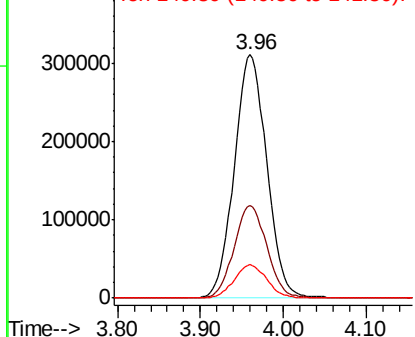


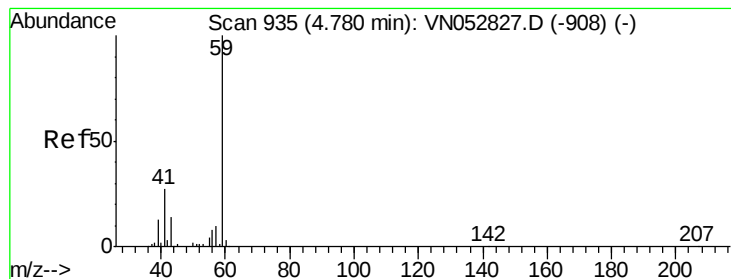
#10
 Methyl Iodide
 Concen: 52.249 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.6	31.0	46.6
141	13.9	11.2	16.8



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: 243.071 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

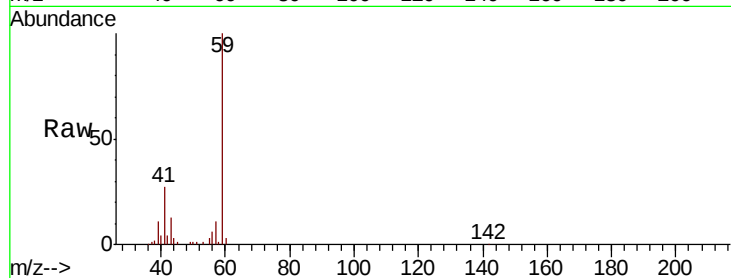
ClientSampled :

Tot Ion: 59 Resp: 176409

Ion Ratio Lower Upper

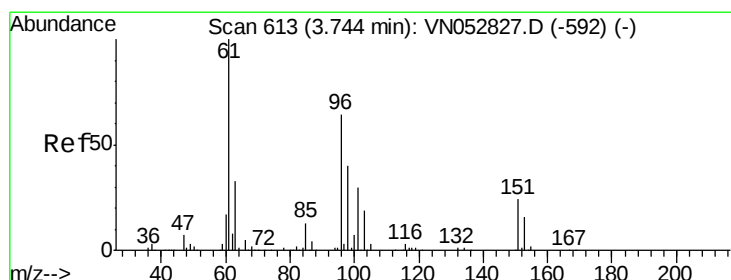
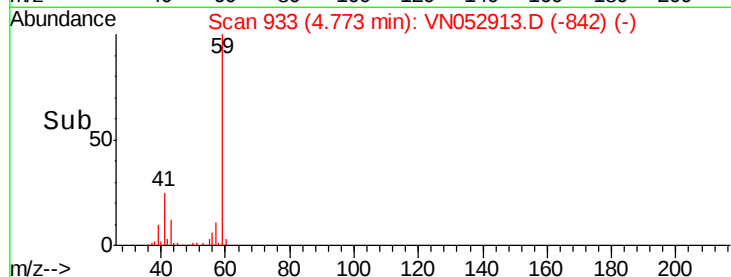
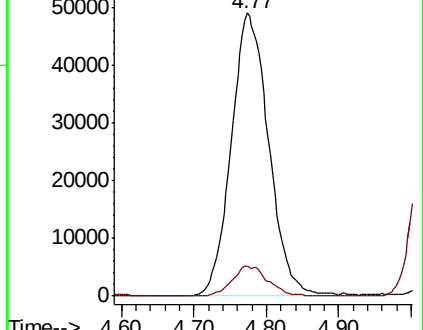
59 100

57 5.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052913.D (-842) (-)

Ion 57.00 (56.70 to 57.70): VN052913.D (-842) (-)



#12

1,1-Dichloroethene

Concen: 51.628 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

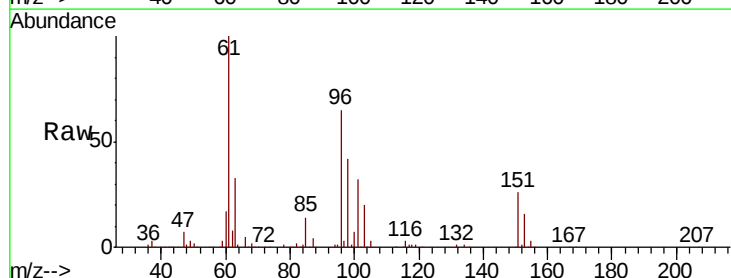
Tgt Ion: 96 Resp: 579831

Ion Ratio Lower Upper

96 100

61 153.7 125.6 188.4

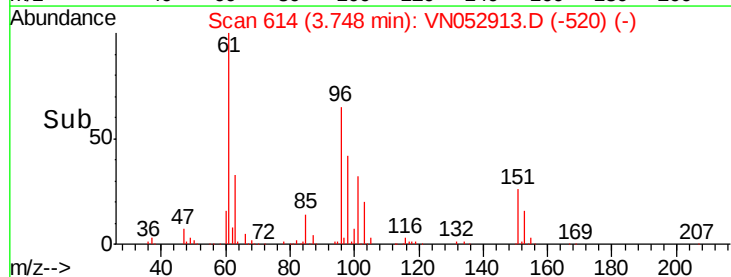
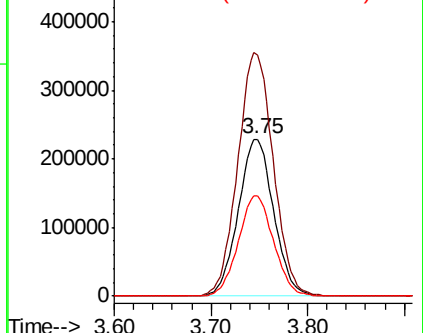
98 64.0 50.6 75.8

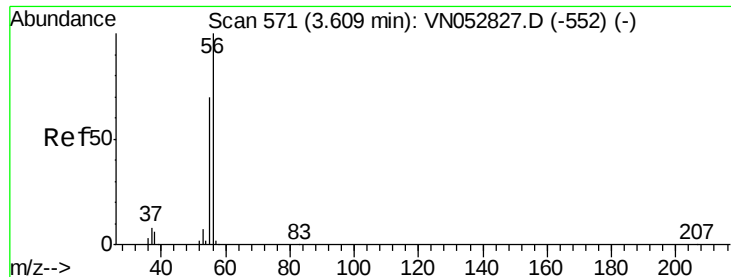


Abundance Ion 95.90 (95.60 to 96.60): VN052913.D (-520) (-)

Ion 60.90 (60.60 to 61.60): VN052913.D (-520) (-)

Ion 97.90 (97.60 to 98.60): VN052913.D (-520) (-)





#13

Acrolein

Concen: 209.171 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

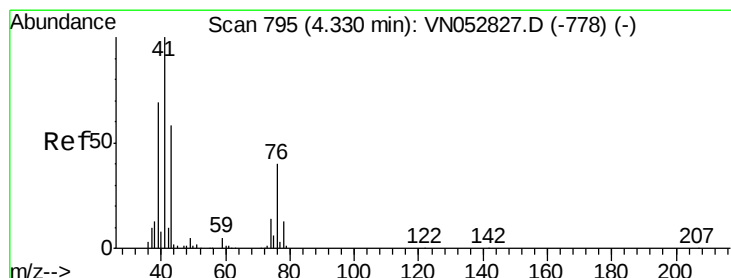
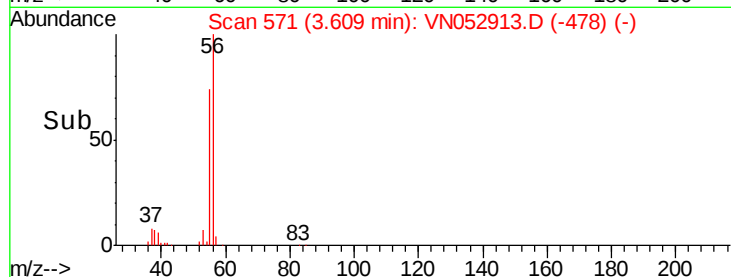
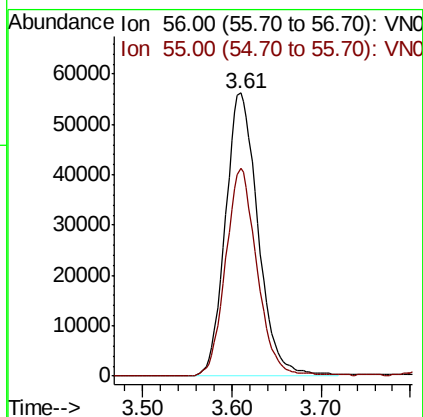
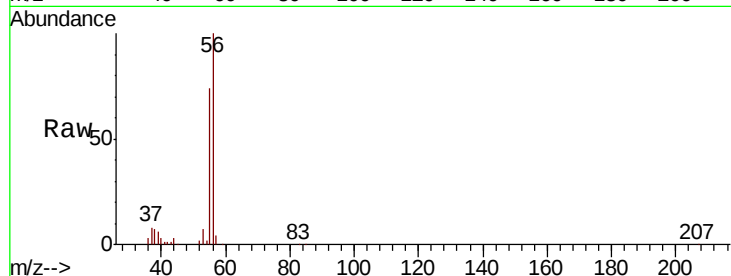
ClientSampleId :

Tot Ion: 56 Resp: 142927

Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



#14

Allyl chloride

Concen: 48.437 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

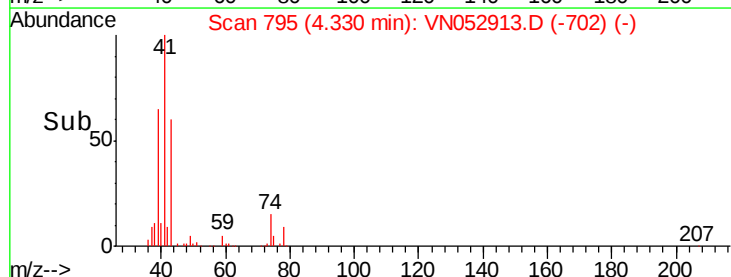
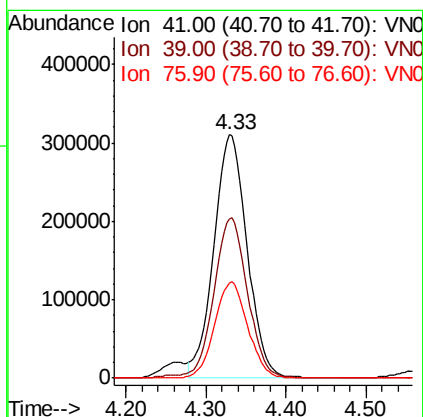
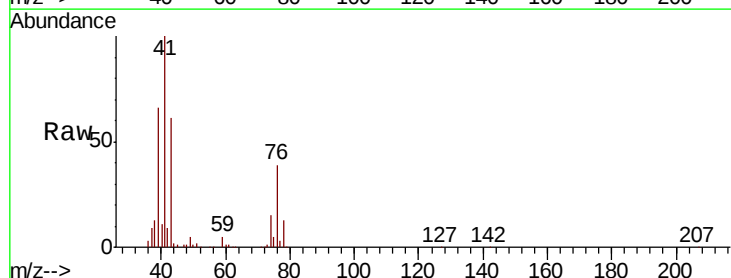
Tgt Ion: 41 Resp: 888532

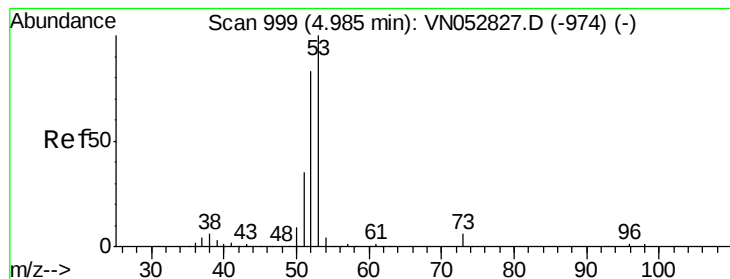
Ion Ratio Lower Upper

41 100

39 67.2 54.1 81.1

76 38.9 30.3 45.5





#15

Acrylonitrile

Concen: 249.836 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

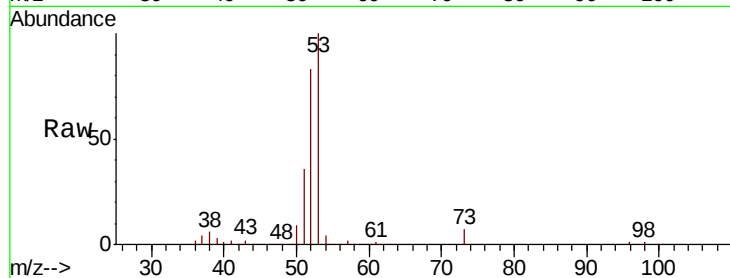
Tot Ion: 53 Resp: 1017213

Ion Ratio Lower Upper

53 100

52 82.8 65.1 97.7

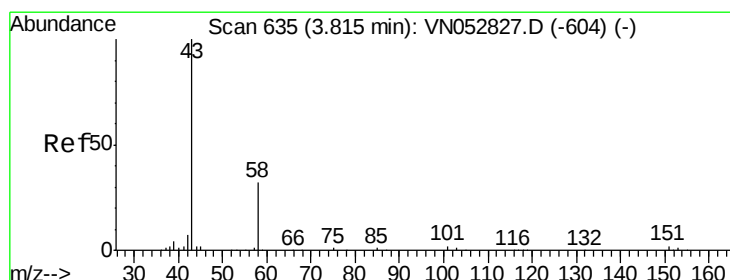
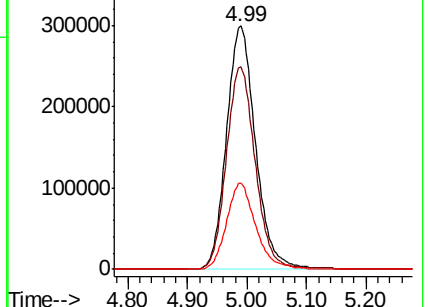
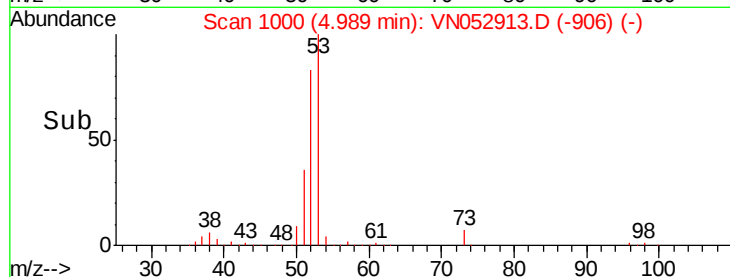
51 35.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052913.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN052913.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN052913.D (-906) (-)



#16

Acetone

Concen: 225.049 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052913.D

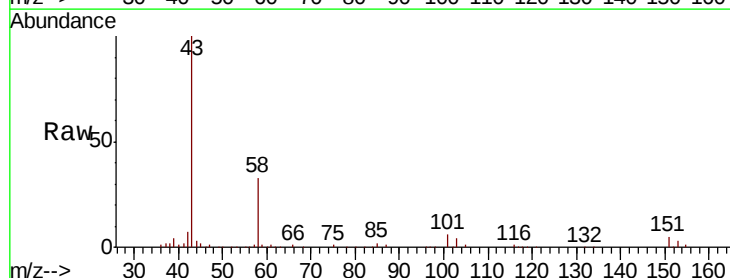
Acq: 15 Dec 2018 2:13

Tgt Ion: 43 Resp: 656507

Ion Ratio Lower Upper

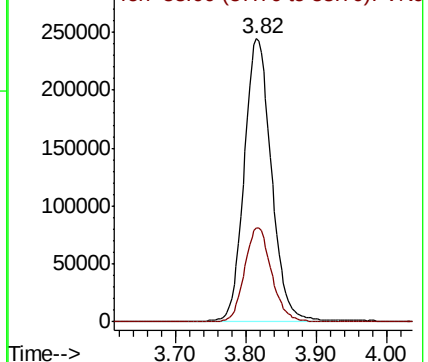
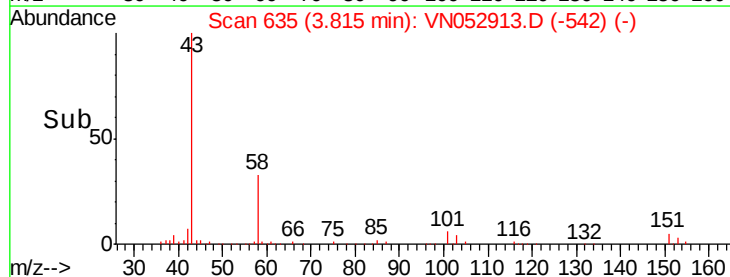
43 100

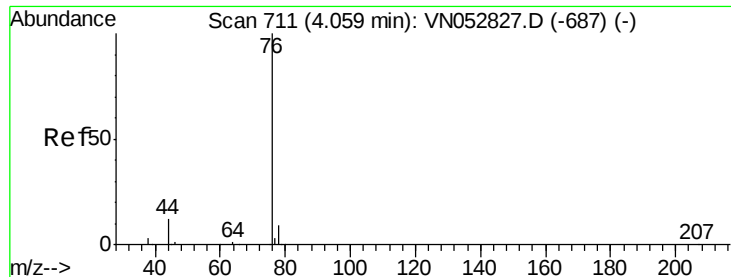
58 33.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052913.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052913.D (-542) (-)





#17

Carbon Disulfide

Concen: 48.586 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

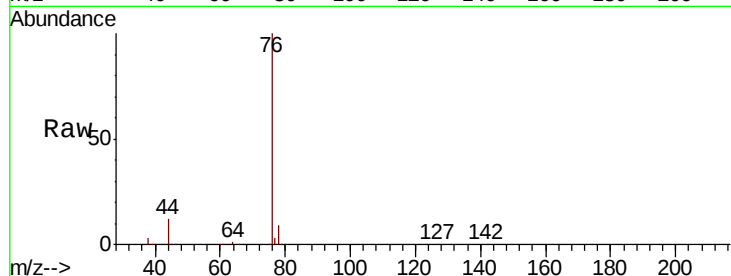
ClientSampleId :

Tot Ion: 76 Resp: 1676282

Ion Ratio Lower Upper

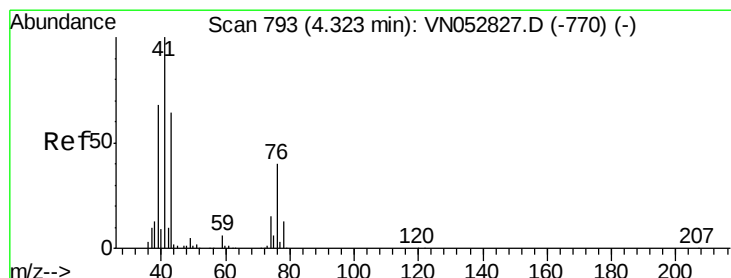
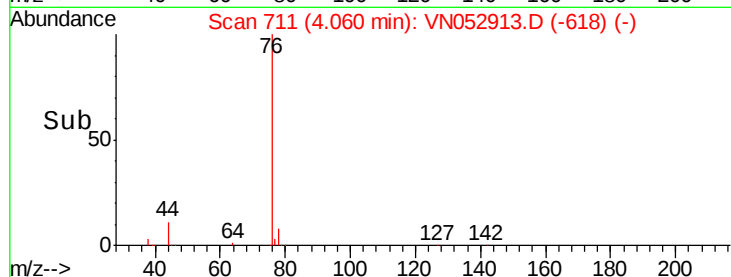
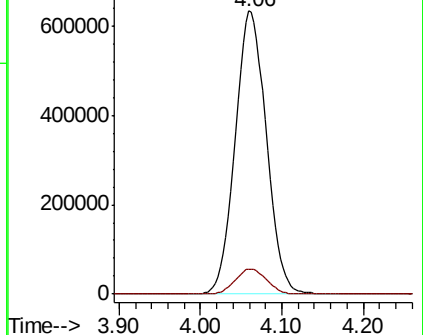
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052913.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052913.D (-618) (-)



#18

Methyl Acetate

Concen: 50.927 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052913.D

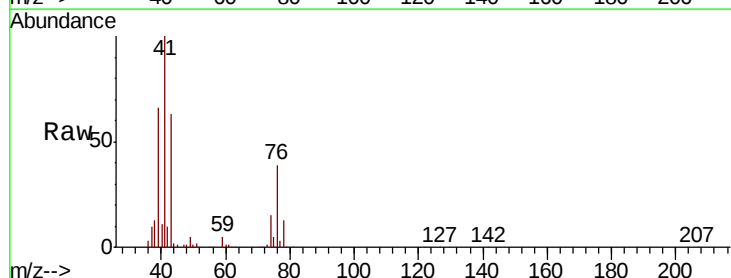
Acq: 15 Dec 2018 2:13

Tgt Ion: 43 Resp: 545228

Ion Ratio Lower Upper

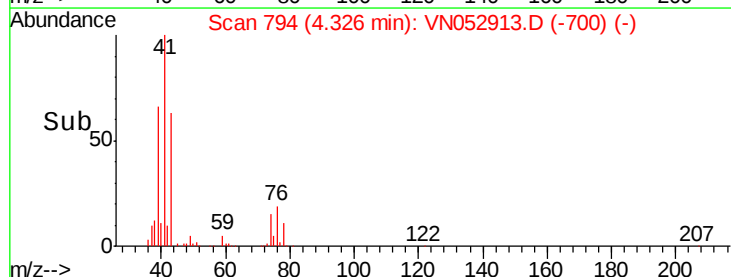
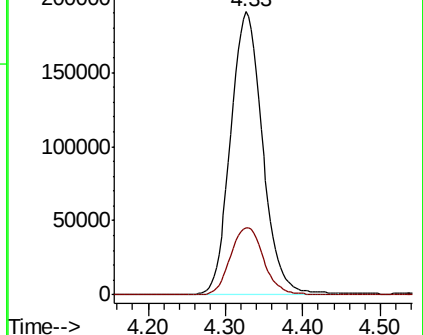
43 100

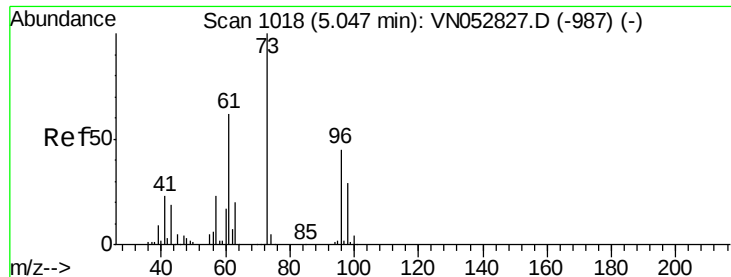
74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052913.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052913.D (-700) (-)

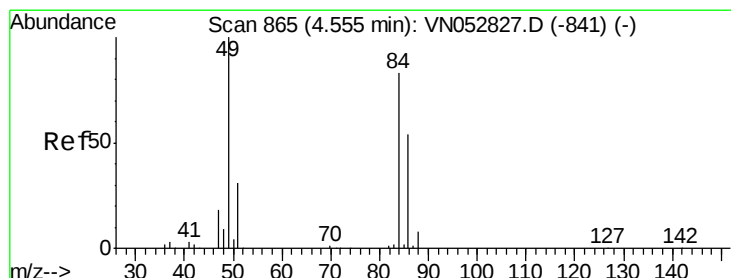
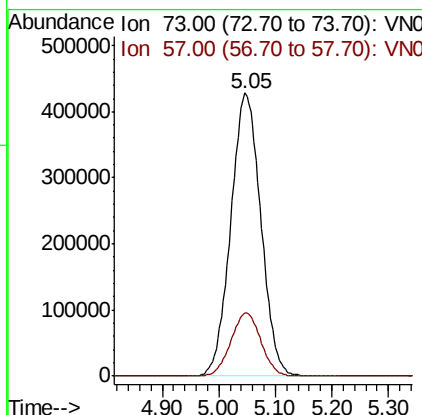
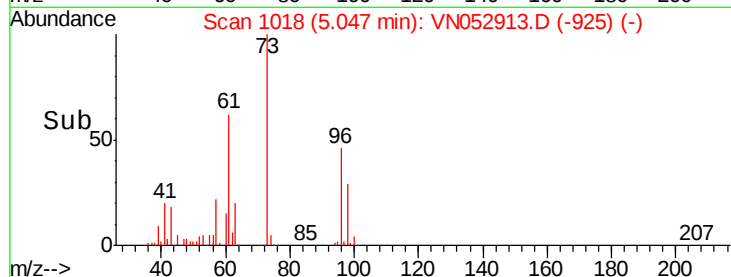
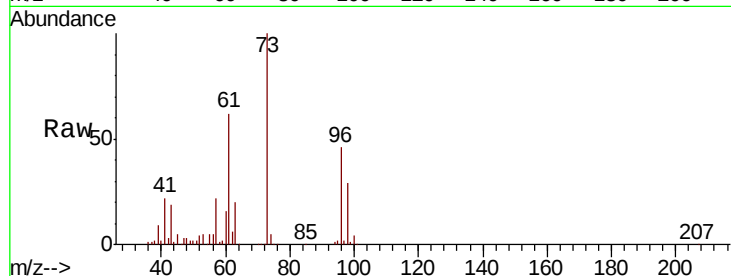




#19
Methvl tert-butvl Ether
Concen: 51.822 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

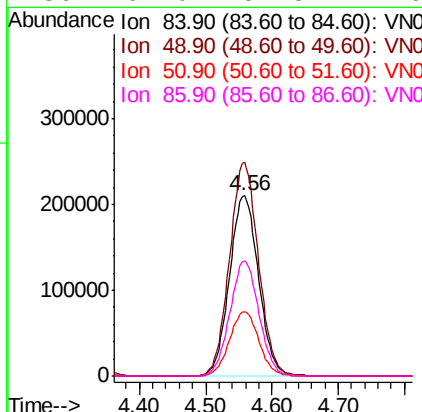
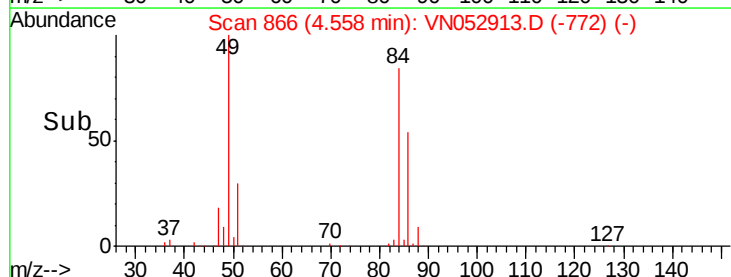
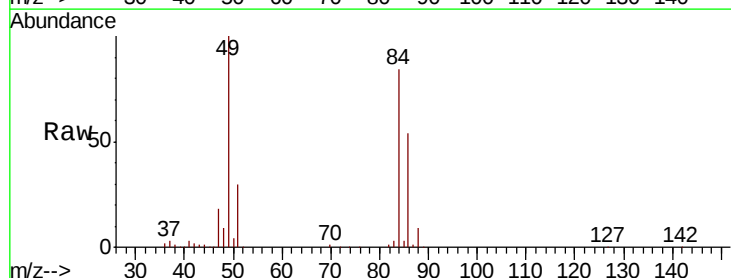
Instrument :
MSVOA_N
ClientSampled :

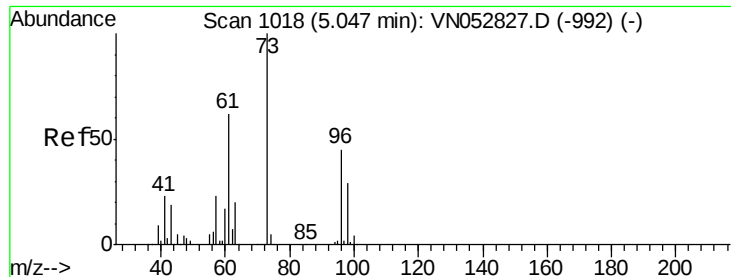
Tot Ion: 73 Resp: 1580053
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 48.848 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 84 Resp: 641279
Ion Ratio Lower Upper
84 100
49 118.4 96.8 145.2
51 35.8 29.9 44.9
86 64.0 51.8 77.6



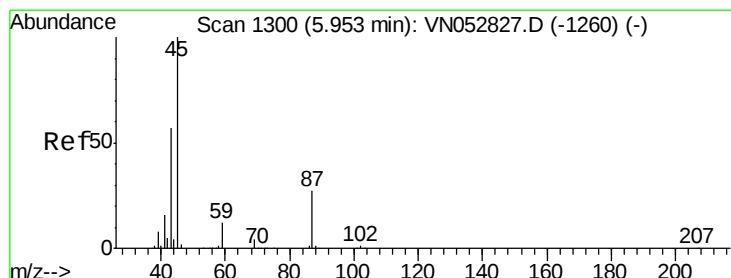
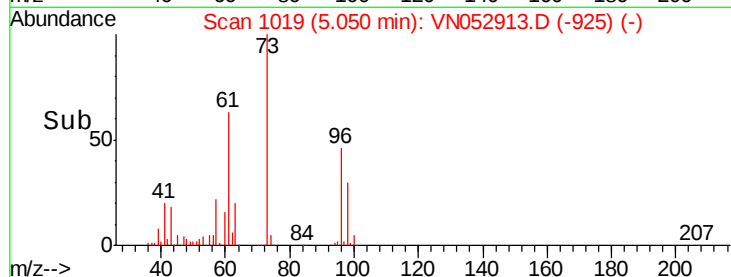
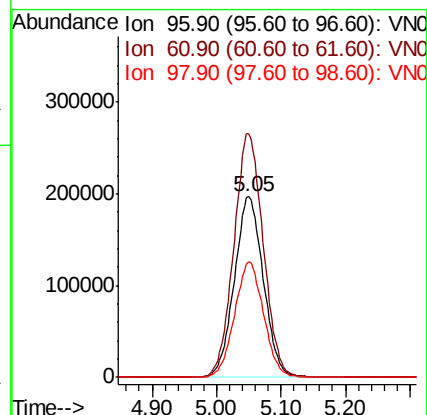
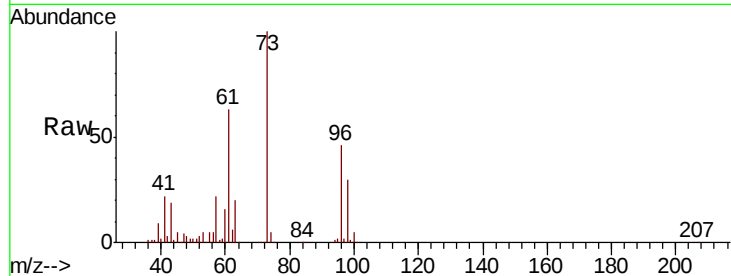


#21

trans-1,2-Dichloroethene
Concen: 50.793 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :

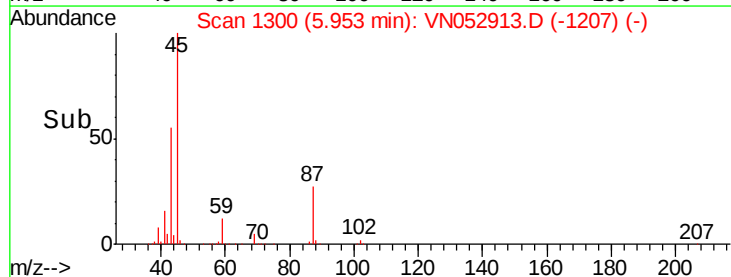
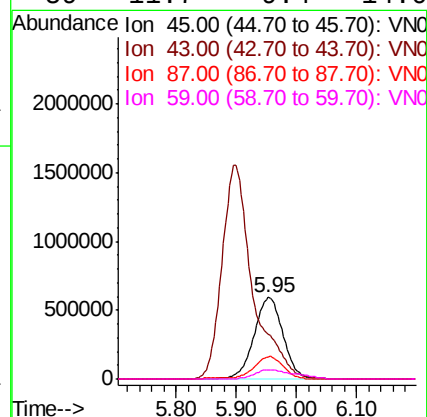
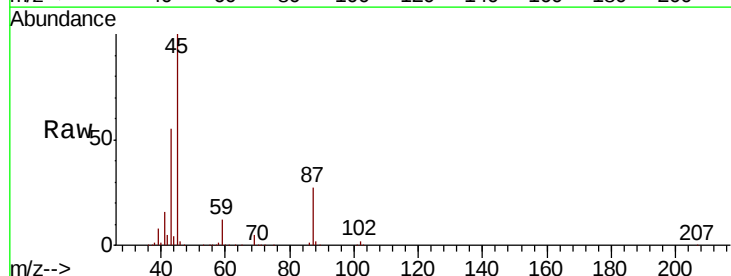
Tot Ion: 96 Resp: 618031
Ion Ratio Lower Upper
96 100
61 134.7 110.8 166.2
98 64.3 51.4 77.2

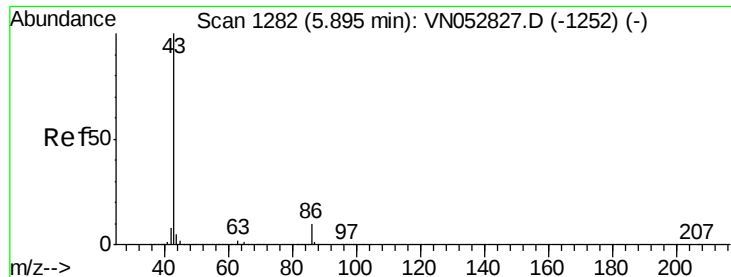


#22

Diisopropyl ether
Concen: 50.864 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 45 Resp: 1990540
Ion Ratio Lower Upper
45 100
43 54.8 45.5 68.3
87 27.4 22.0 33.0
59 11.7 9.4 14.0

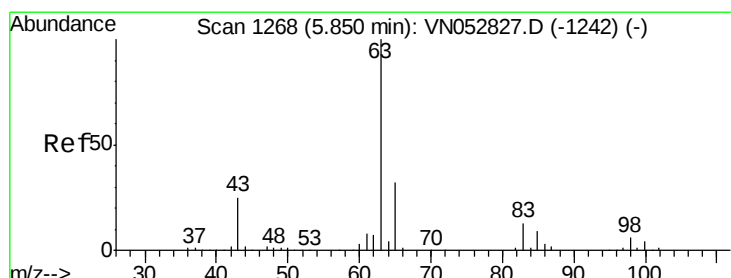
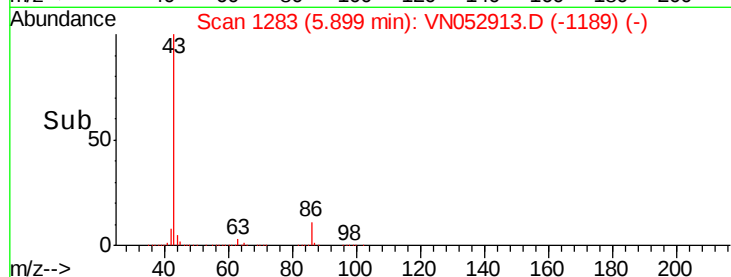
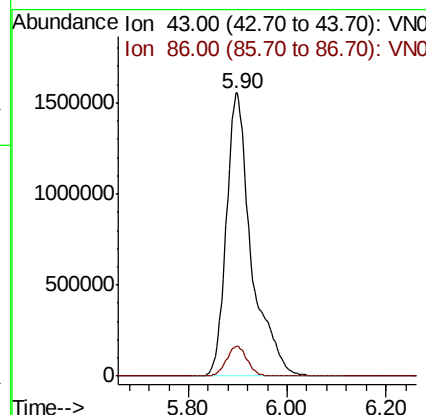
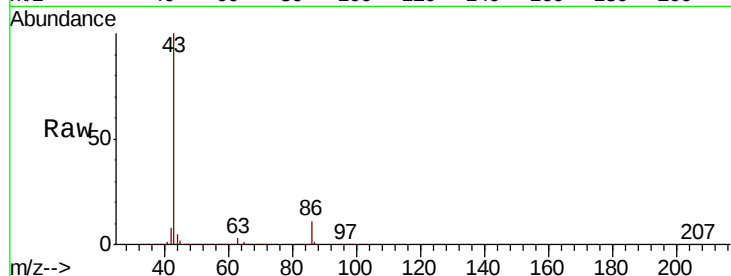




#23
 Vinyl Acetate
 Concen: 235.873 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

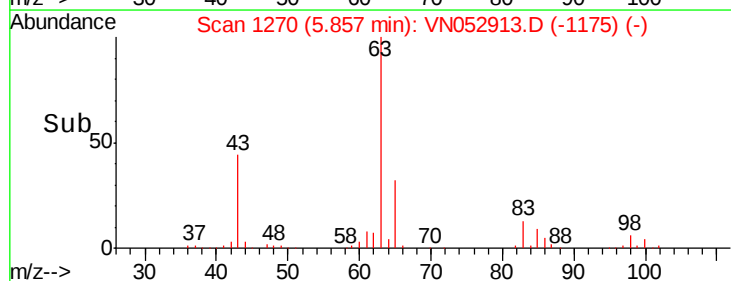
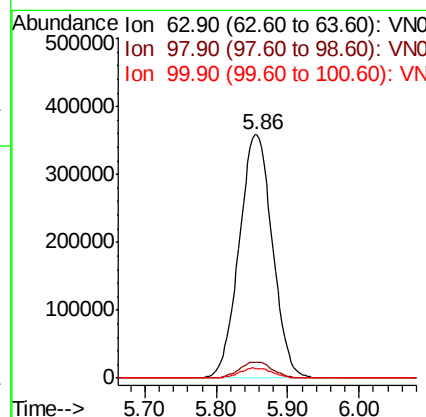
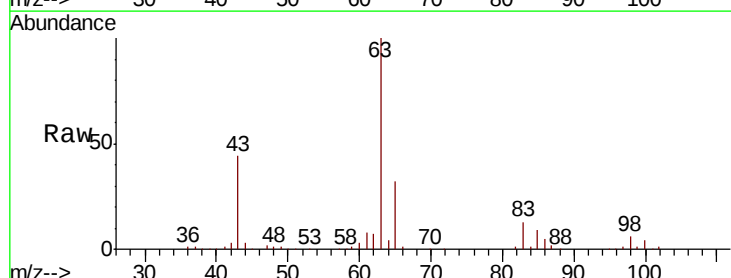
Instrument :
 MSVOA_N
 ClientSampleId :

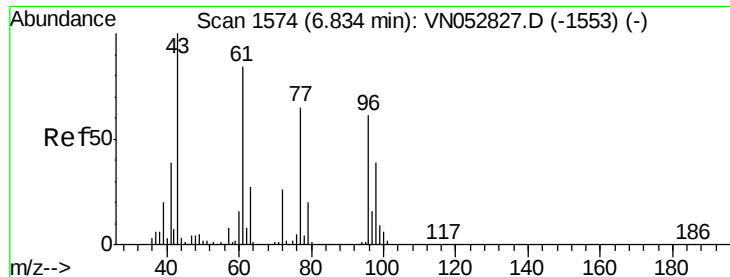
Tot Ion: 43 Resp: 5492716
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 51.614 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 63 Resp: 1164815
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 235.949 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

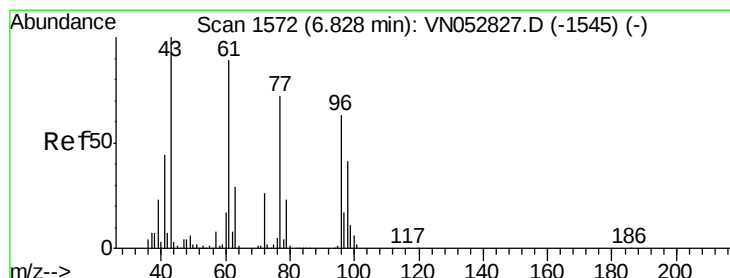
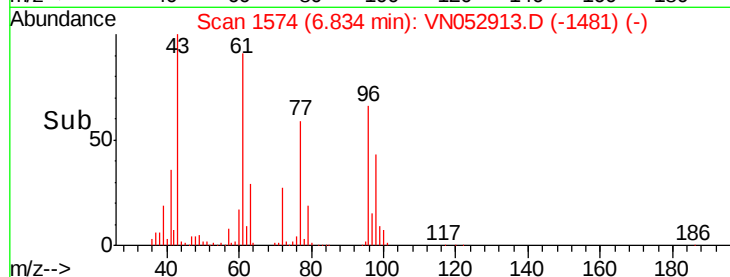
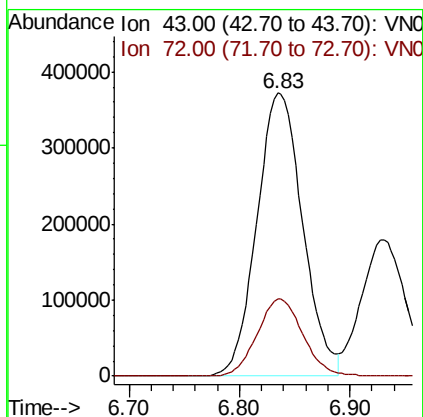
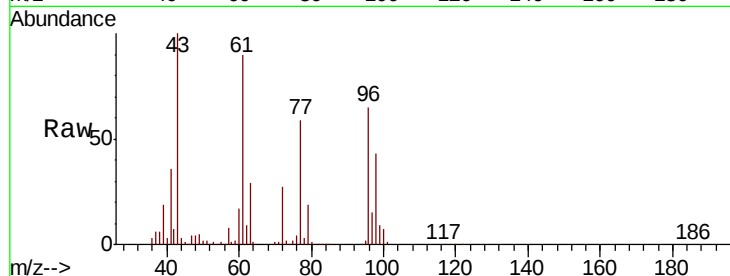
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1068006

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 43.206 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052913.D

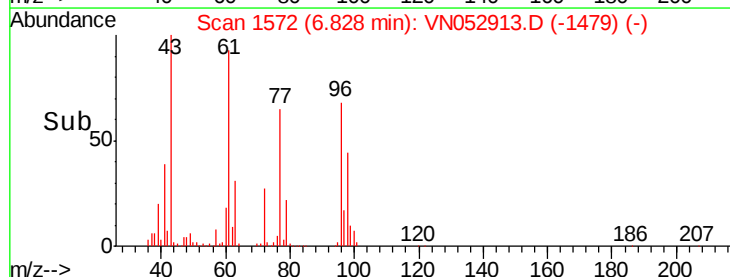
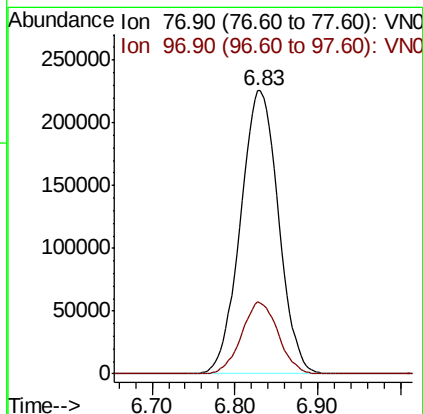
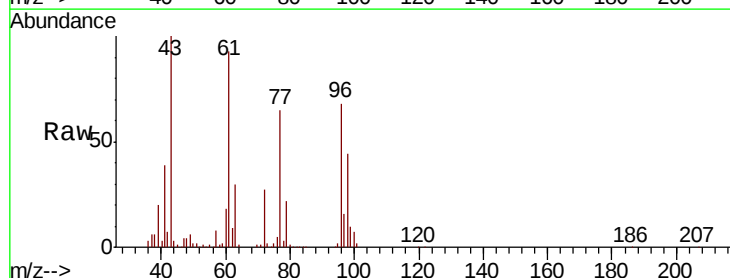
Acq: 15 Dec 2018 2:13

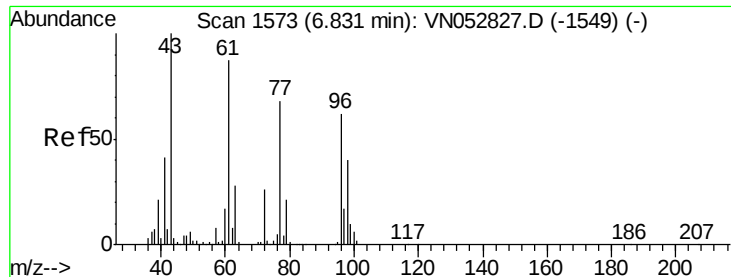
Tgt Ion: 77 Resp: 718062

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.232 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampled :

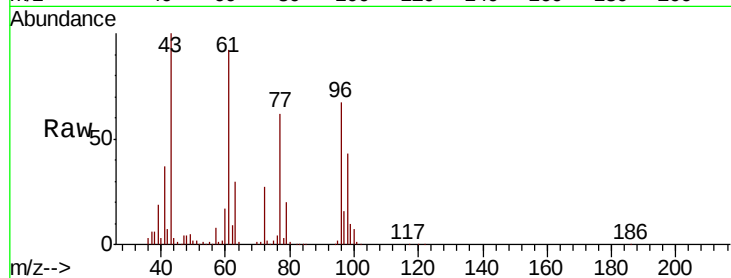
Tot Ion: 96 Resp: 707505

Ion Ratio Lower Upper

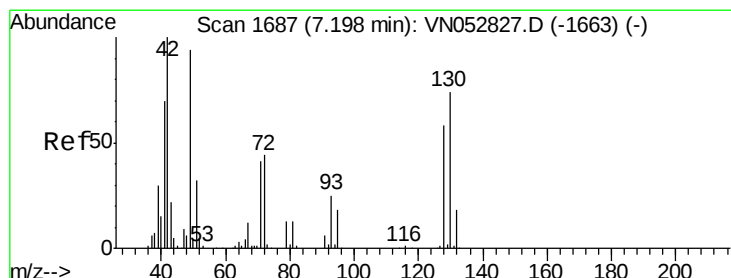
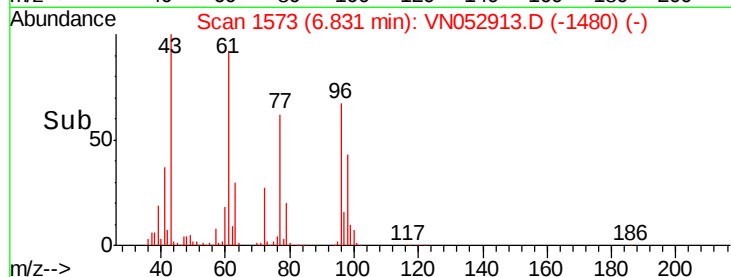
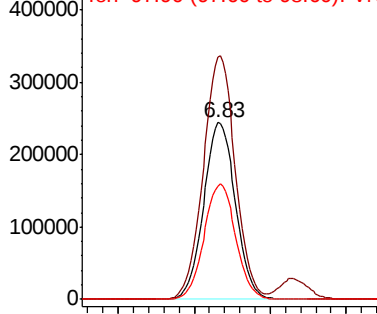
96 100

61 138.7 0.0 284.2

98 65.1 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: 50.112 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

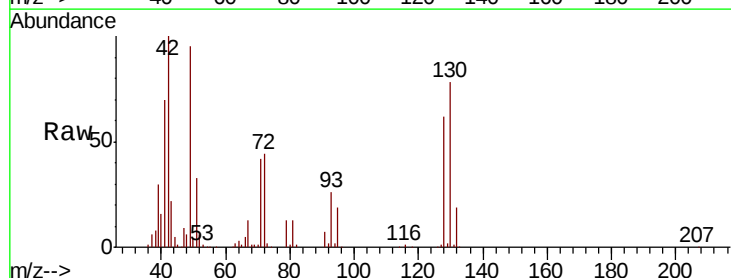
Tgt Ion: 49 Resp: 507839

Ion Ratio Lower Upper

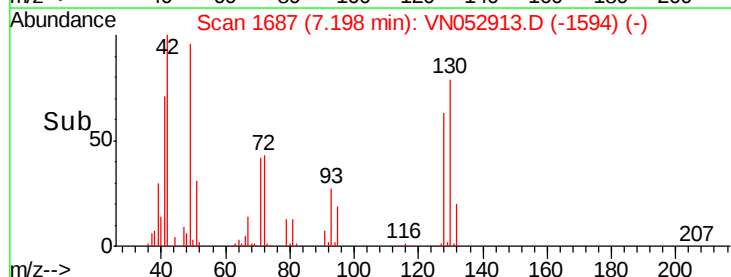
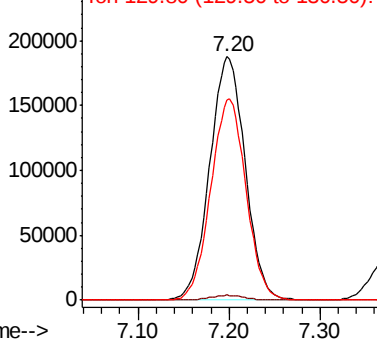
49 100

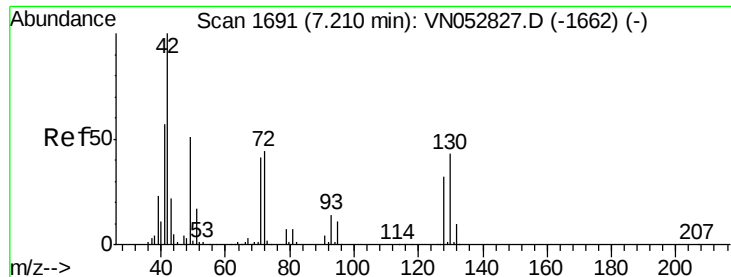
129 1.9 0.0 4.0

130 82.2 63.3 94.9



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

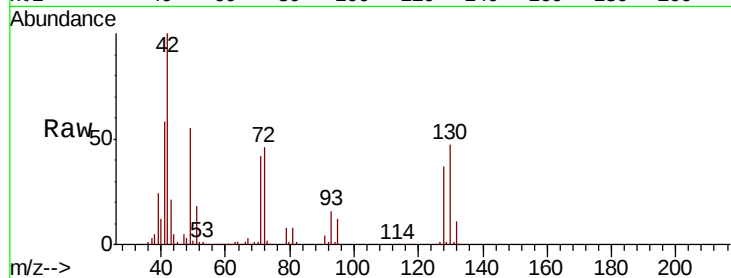




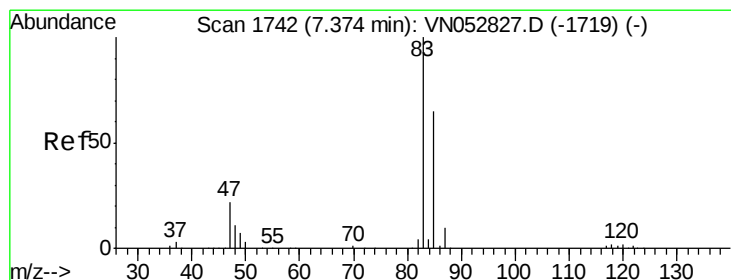
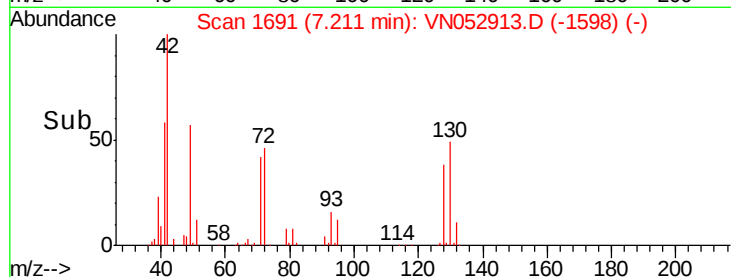
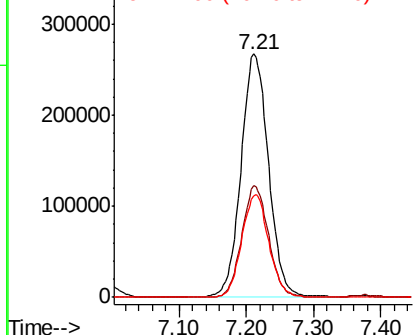
#29
Tetrahydrofuran
Concen: 244.941 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 756900
Ion Ratio Lower Upper
42 100
72 44.8 34.7 52.1
71 41.5 32.3 48.5

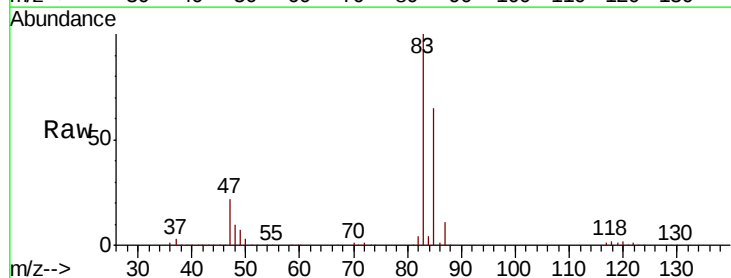


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

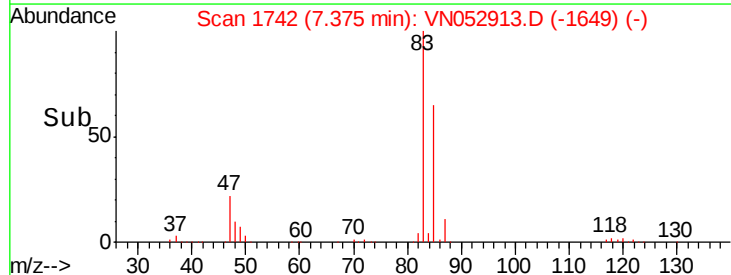
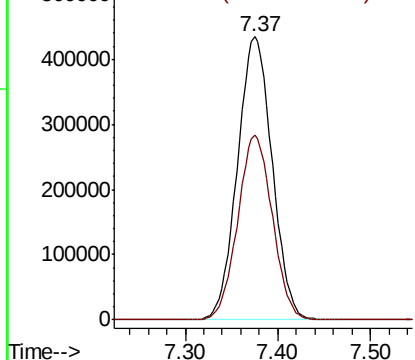


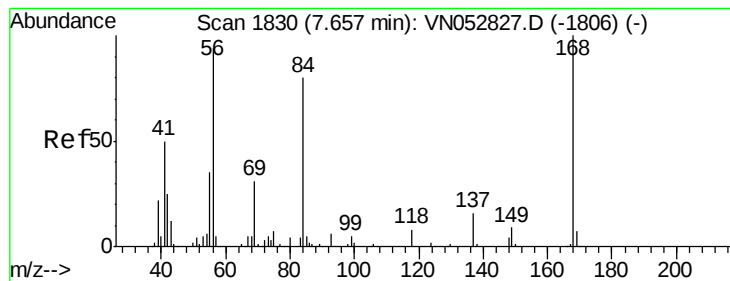
#30
Chloroform
Concen: 51.302 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 83 Resp: 1129024
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 49.176 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampled :

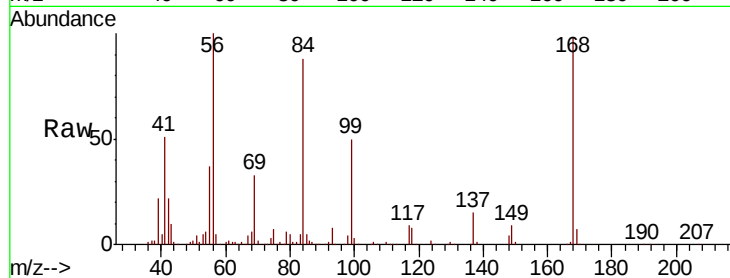
Tot Ion: 56 Resp: 1082592

Ion Ratio Lower Upper

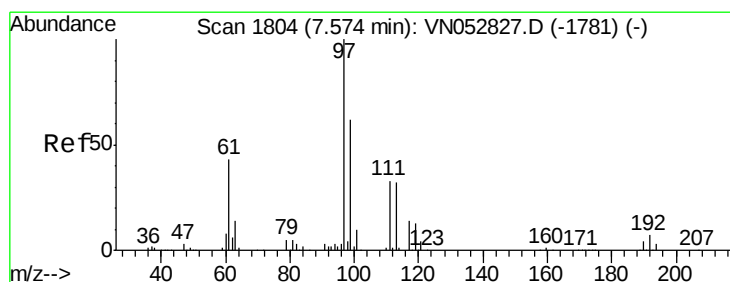
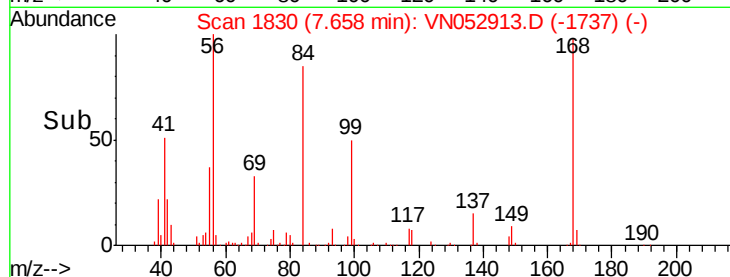
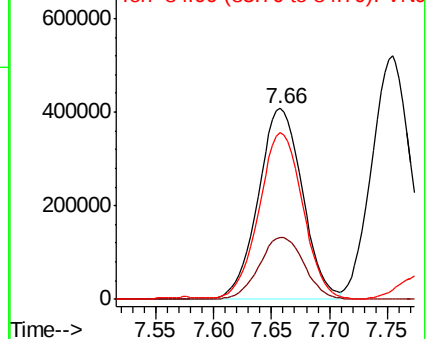
56 100

69 32.7 26.6 39.8

84 86.3 68.4 102.6



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



#32

1,1,1-Trichloroethane

Concen: 51.796 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

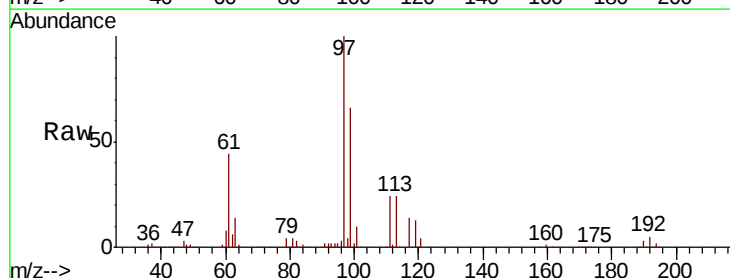
Tgt Ion: 97 Resp: 953721

Ion Ratio Lower Upper

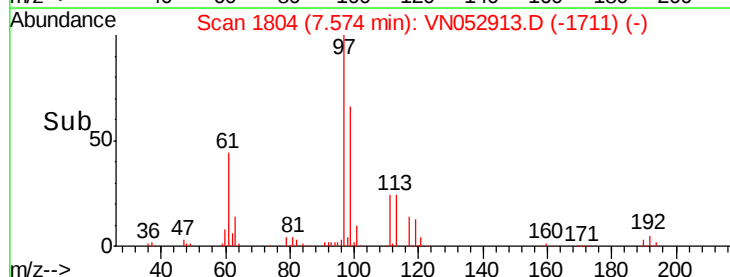
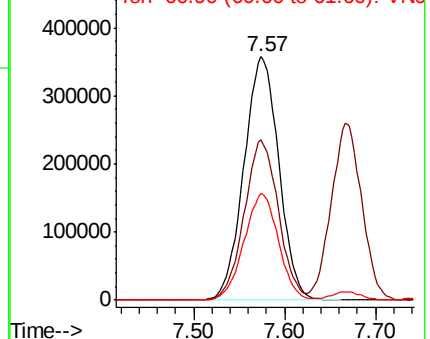
97 100

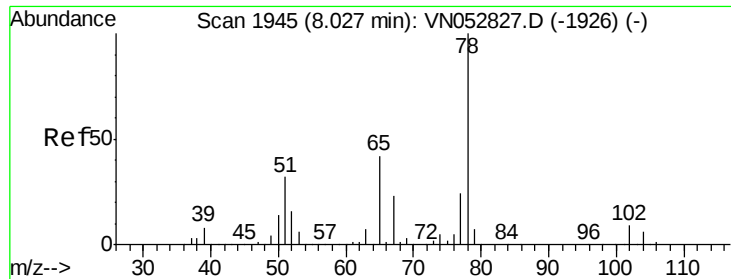
99 64.2 51.1 76.7

61 43.1 35.0 52.6



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

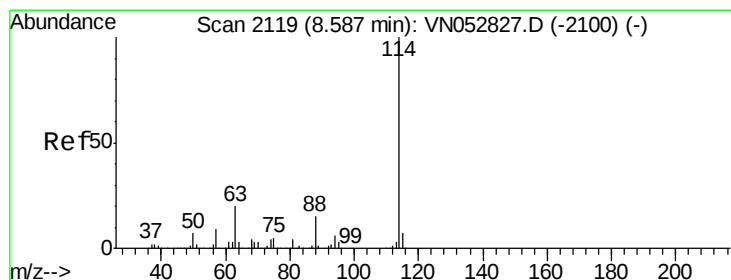
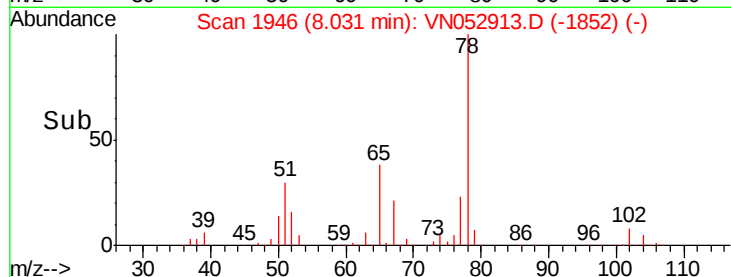
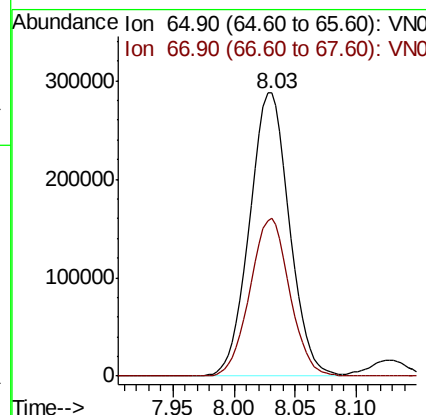
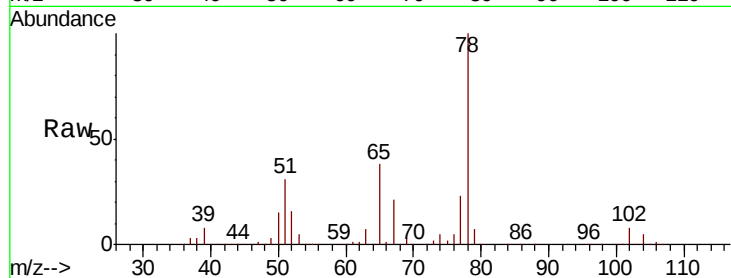




#33
 1,2-Dichloroethane-d4
 Concen: 51.796 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

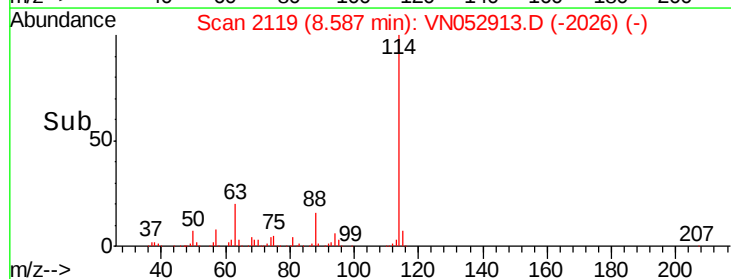
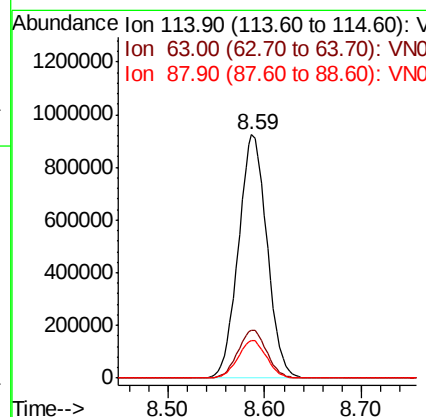
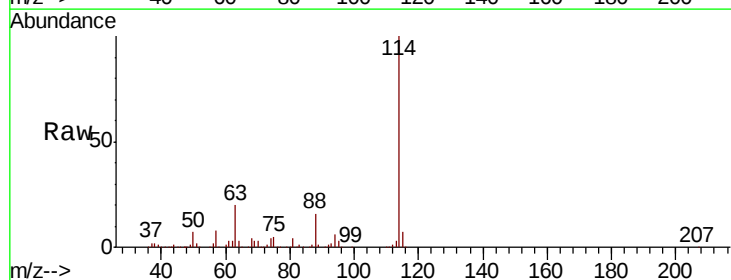
Instrument :
 MSVOA_N
 ClientSampleId :

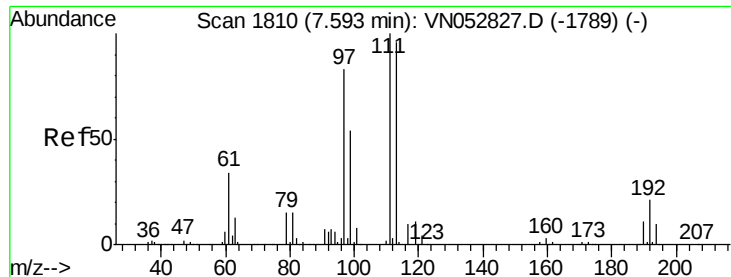
Tot Ion: 65 Resp: 648762
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 114 Resp: 1890846
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

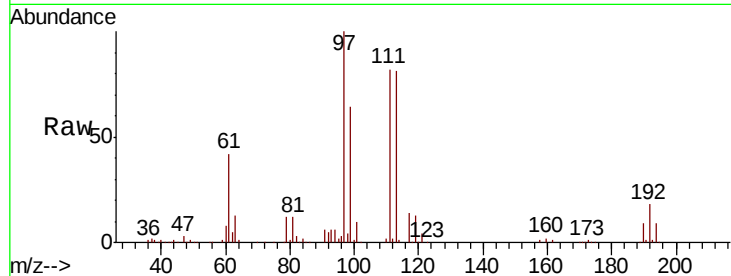
Tot Ion:113 Resp: 415387

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

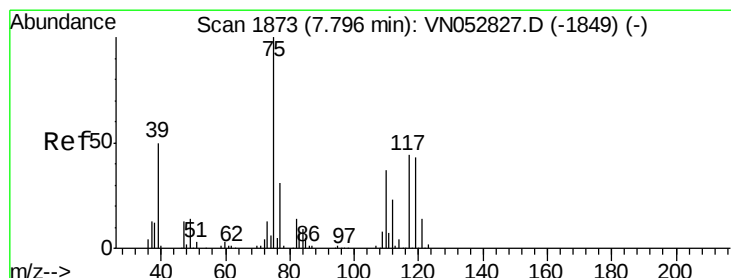
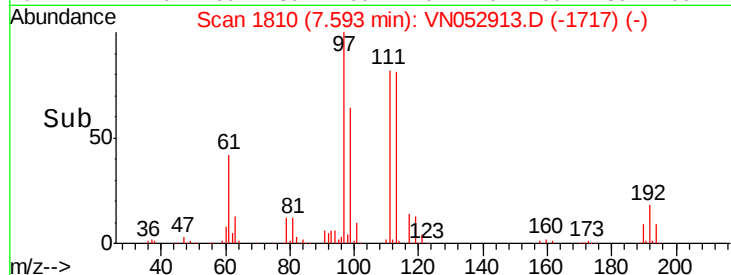
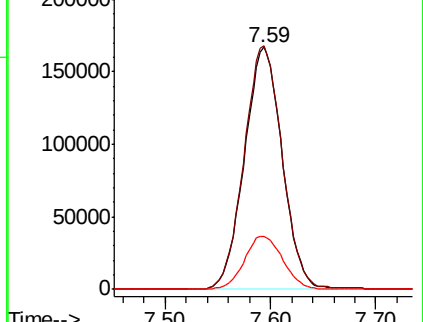
192 22.3 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.556 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

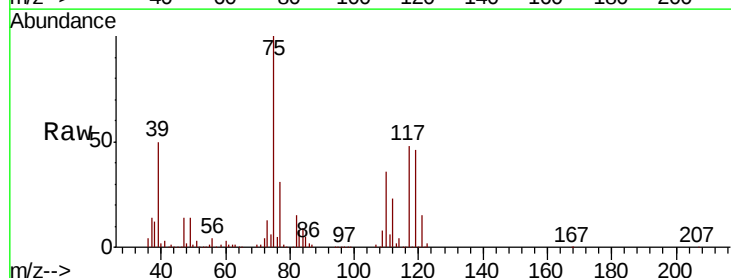
Tgt Ion: 75 Resp: 880293

Ion Ratio Lower Upper

75 100

110 35.9 18.2 54.6

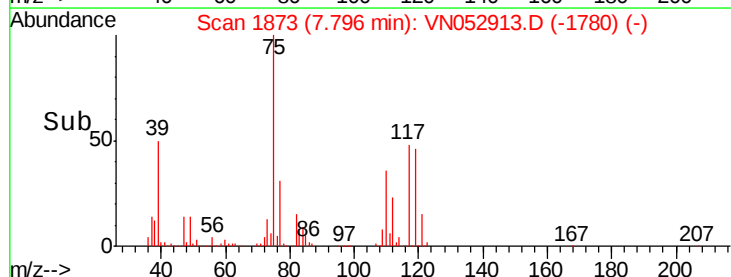
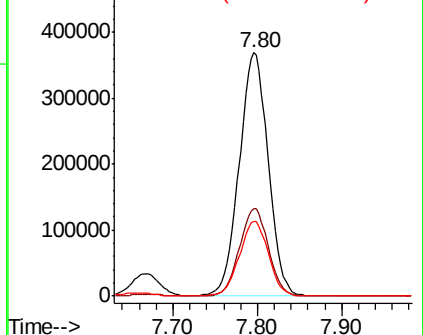
77 31.0 24.9 37.3

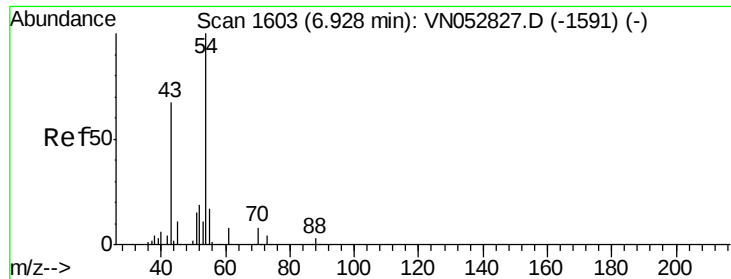


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

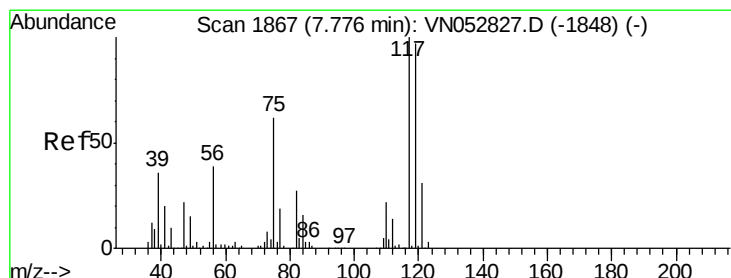
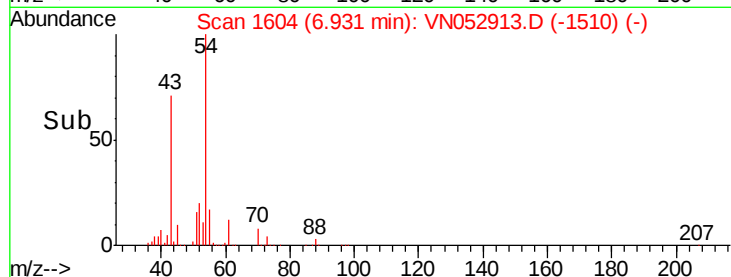
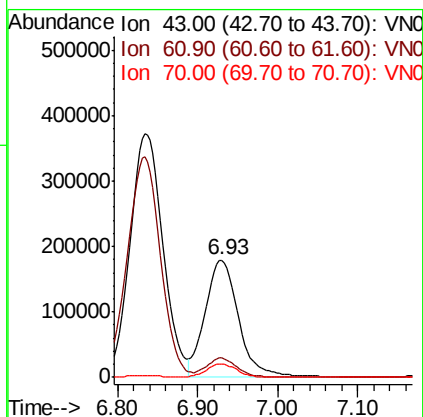
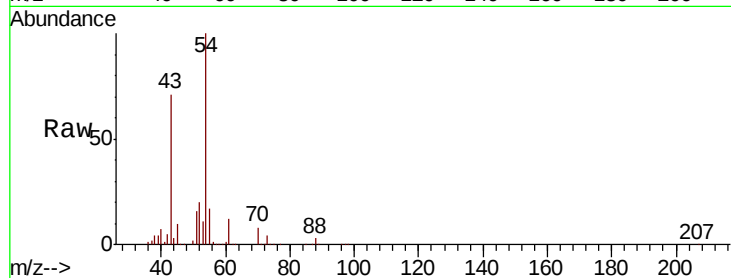




#37
Ethyl Acetate
Concen: 49.157 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

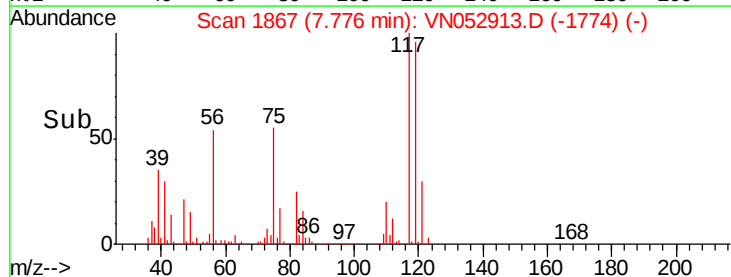
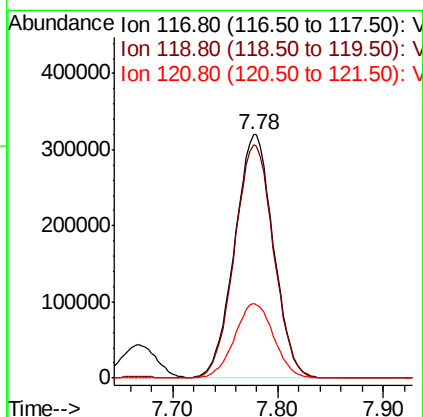
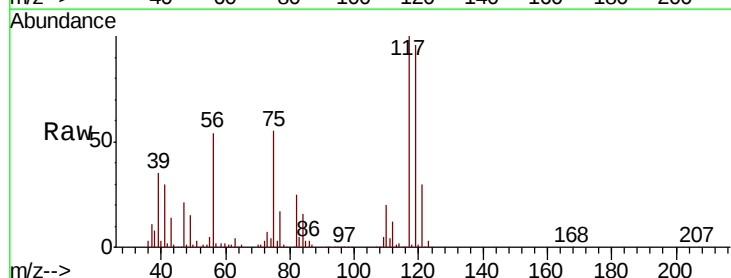
Instrument :
MSVOA_N
ClientSampled :

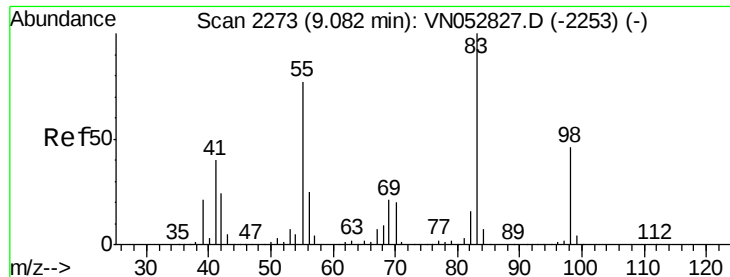
Tot Ion: 43 Resp: 514192
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.804 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 117 Resp: 814240
Ion Ratio Lower Upper
117 100
119 95.9 77.1 115.7
121 30.5 24.9 37.3



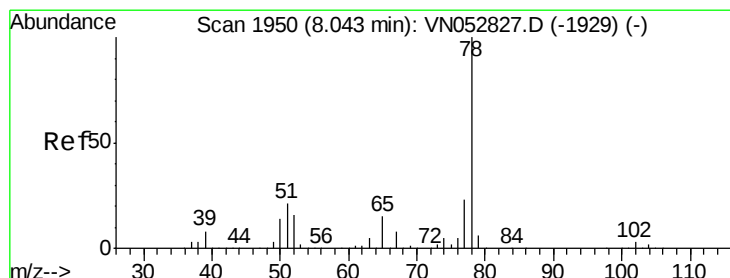
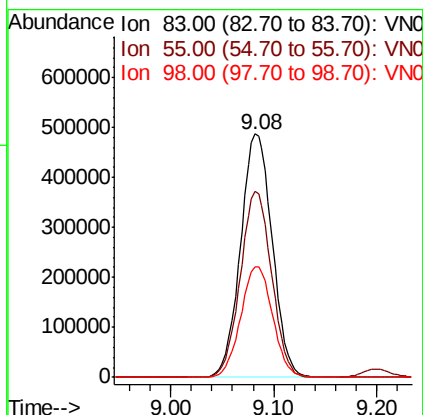
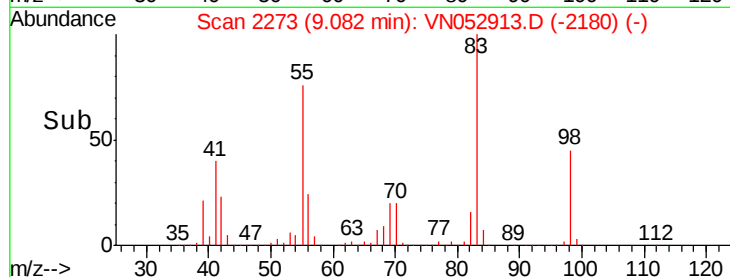
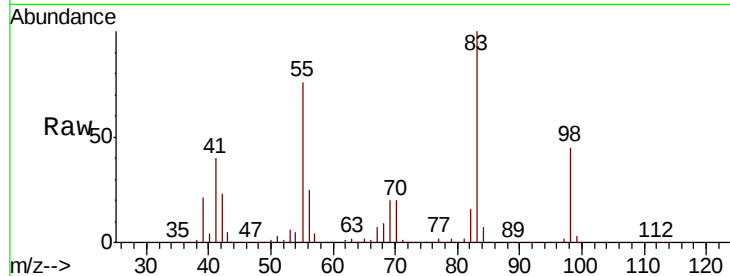


#39
Methvlcvclohexane
Concen: 48.587 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 1038196

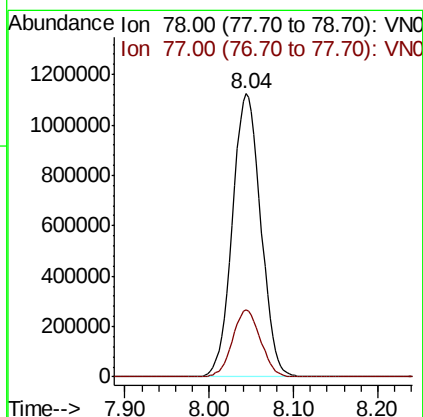
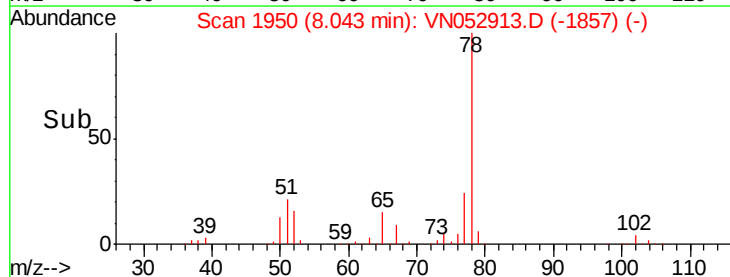
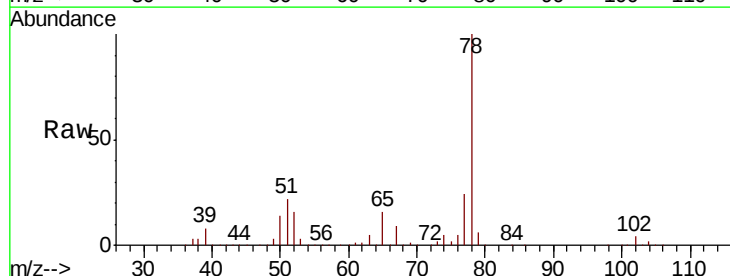
Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.3	91.9
98	45.5	37.0	55.4

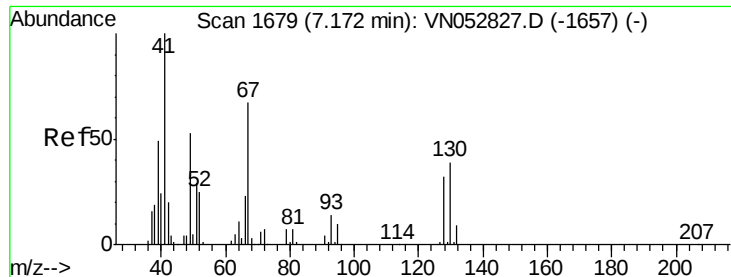


#40
Benzene
Concen: 50.408 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 78 Resp: 2634359

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7

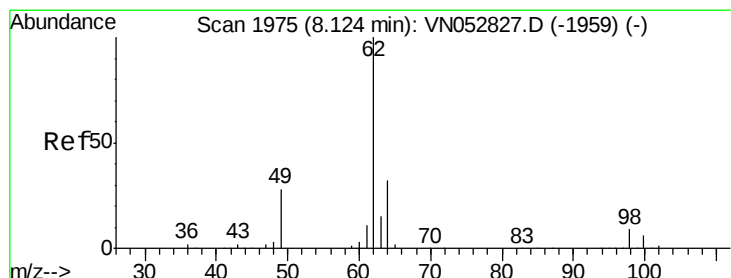
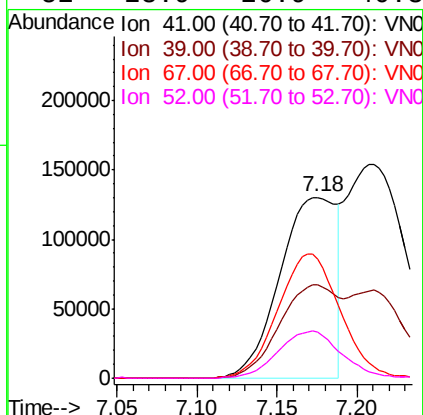
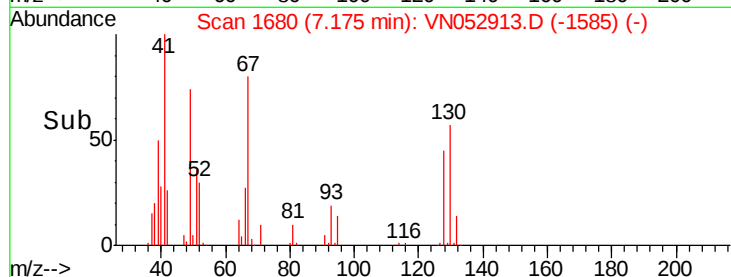
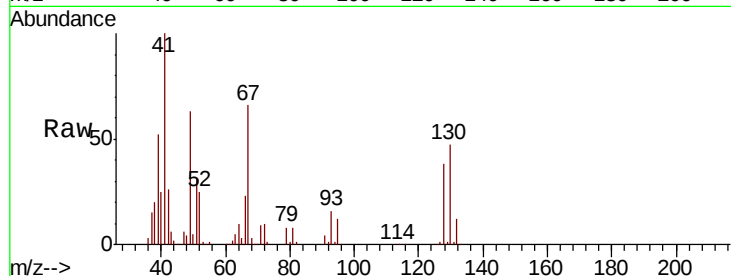




#41
Methacrylonitrile
Concen: 55.666 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

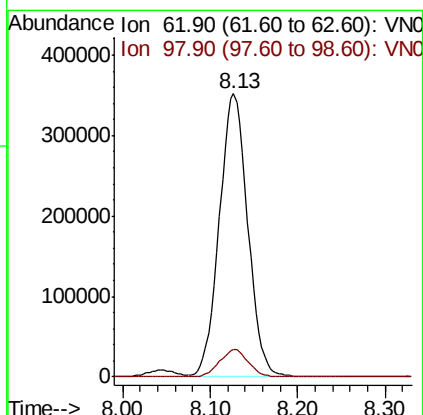
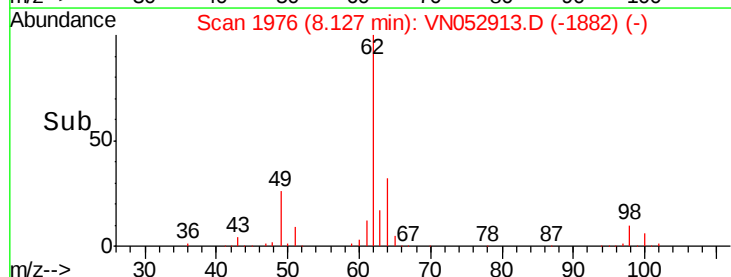
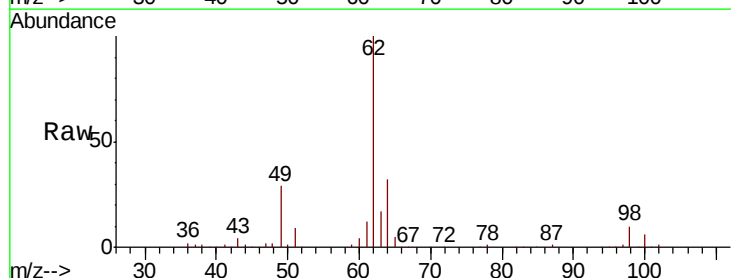
Instrument :
MSVOA_N
ClientSampled :

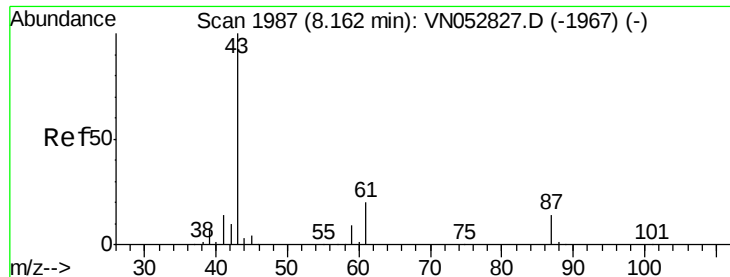
Tot Ion: 41 Resp: 322622
Ion Ratio Lower Upper
41 100
39 54.2 48.0 72.0
67 75.4 70.3 105.5
52 28.9 26.9 40.3



#42
1,2-Dichloroethane
Concen: 50.436 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 62 Resp: 793526
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.0





#43

Isopropyl Acetate

Concen: 45.716 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

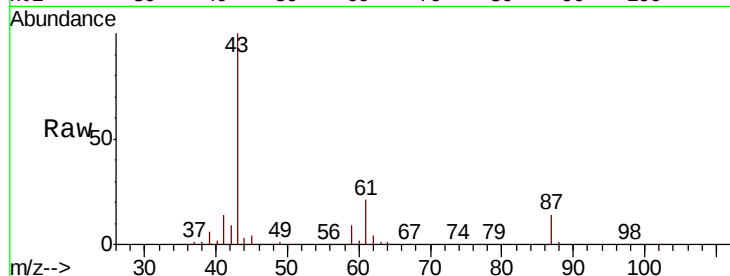
Tot Ion: 43 Resp: 980440

Ion Ratio Lower Upper

43 100

61 29.3 22.9 34.3

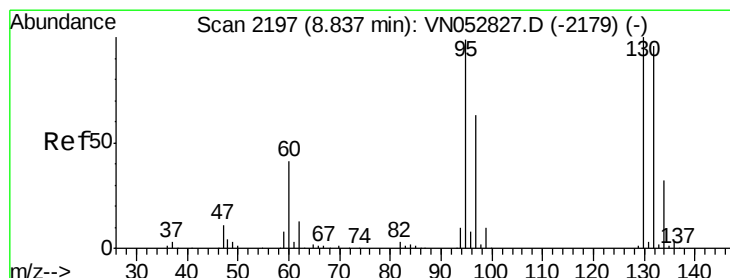
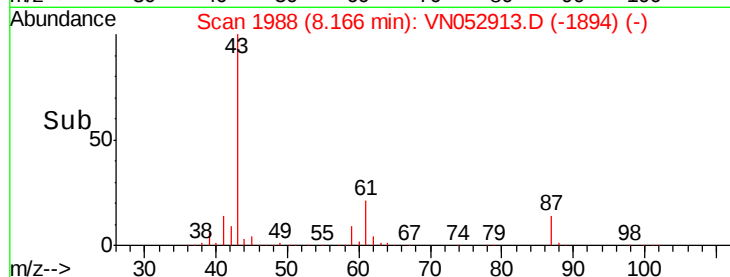
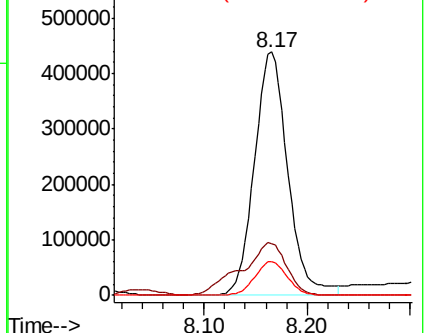
87 13.5 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#44

Trichloroethene

Concen: 54.882 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052913.D

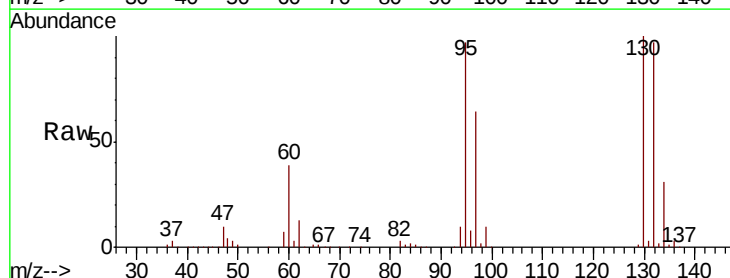
Acq: 15 Dec 2018 2:13

Tgt Ion:130 Resp: 774710

Ion Ratio Lower Upper

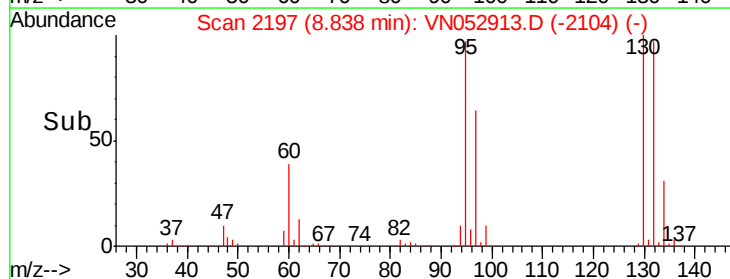
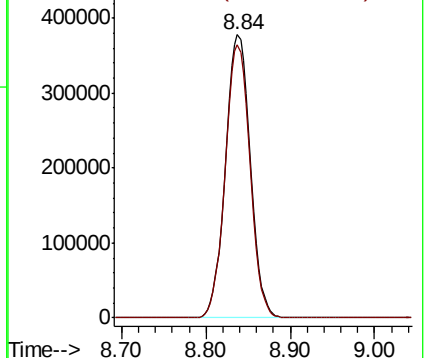
130 100

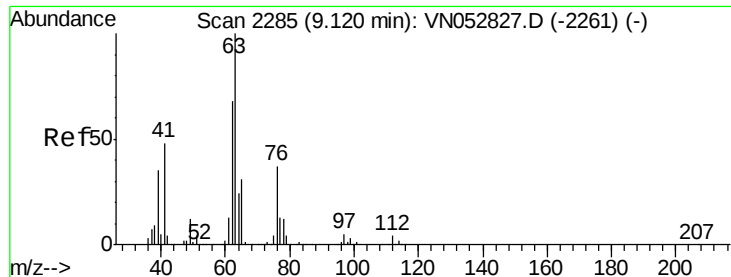
95 96.5 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

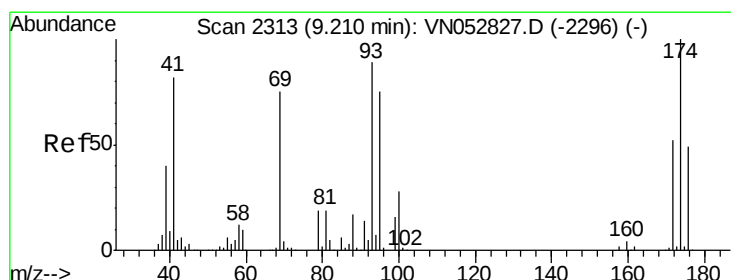
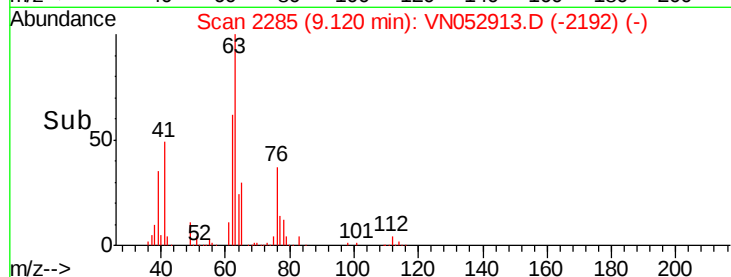
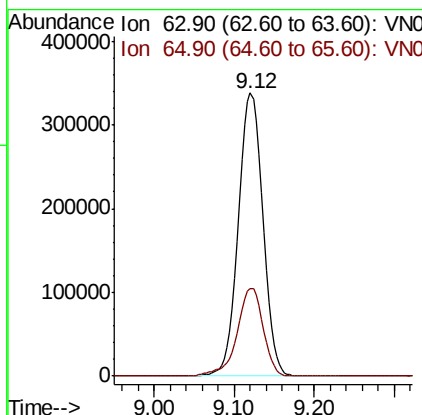
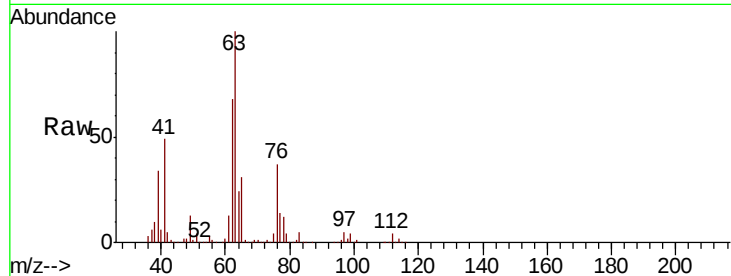




#45
 1,2-Dichloropropane
 Concen: 50.863 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

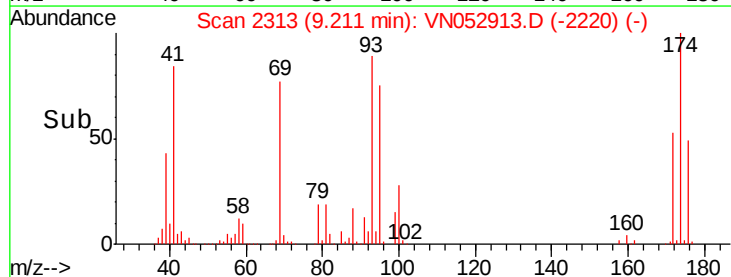
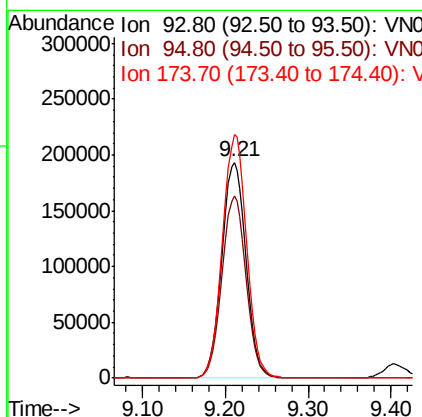
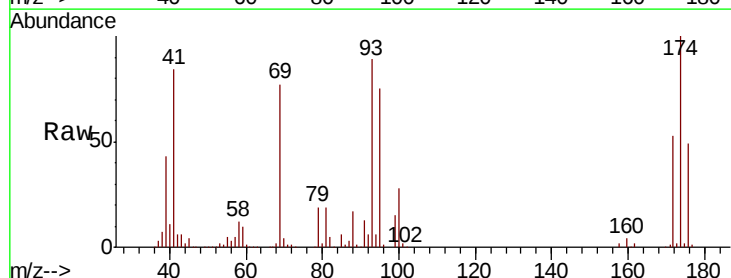
Instrument :
 MSVOA_N
 ClientSampleId :

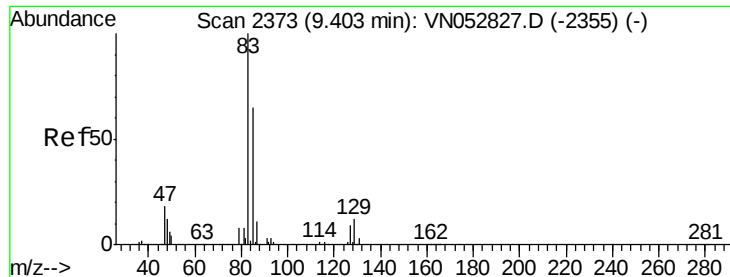
Tot Ion: 63 Resp: 696227
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0



#46
 Dibromomethane
 Concen: 49.286 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 93 Resp: 391256
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.8 101.6
 174 113.2 89.0 133.4





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampled :

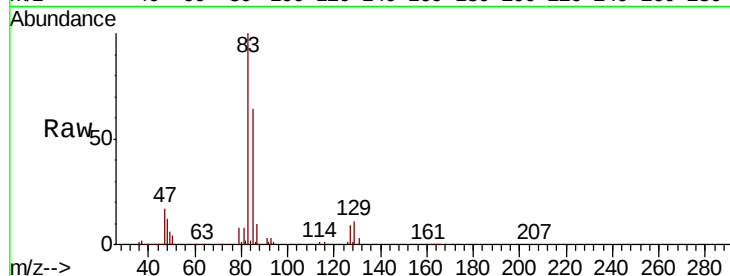
Tot Ion: 83 Resp: 841342

Ion Ratio Lower Upper

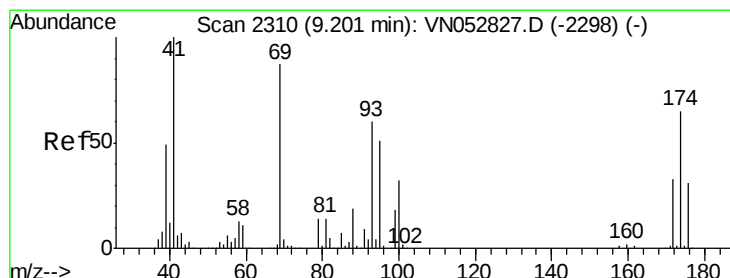
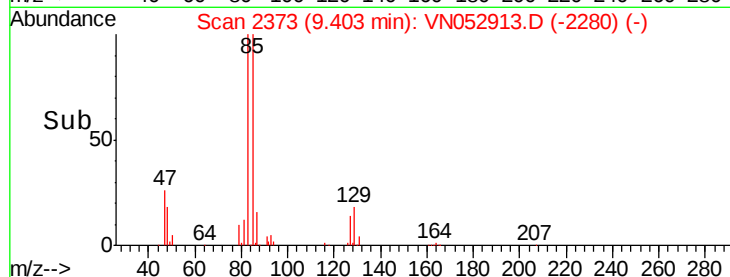
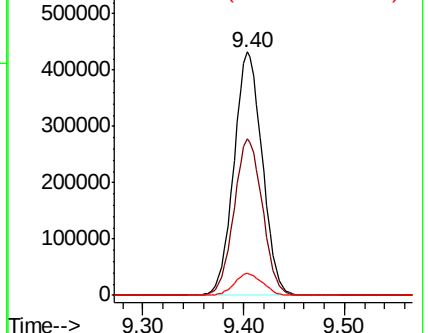
83 100

85 64.1 51.6 77.4

127 9.0 7.1 10.7



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



#48

Methyl methacrylate

Concen: 50.049 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

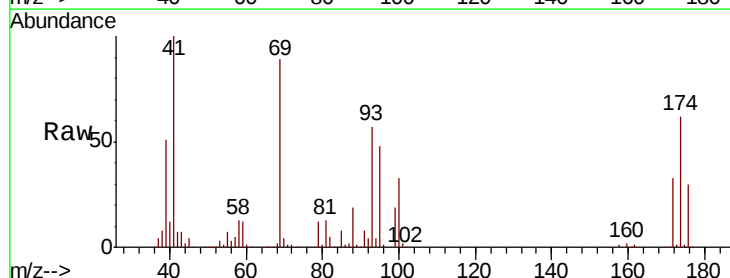
Tgt Ion: 41 Resp: 470710

Ion Ratio Lower Upper

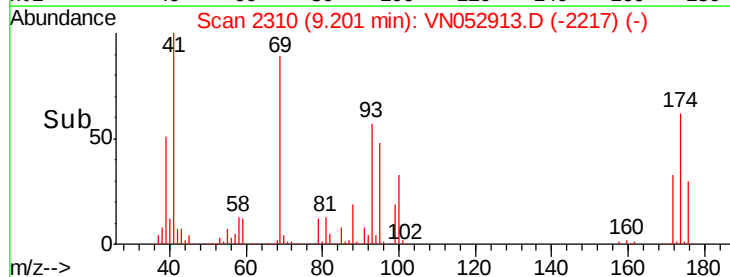
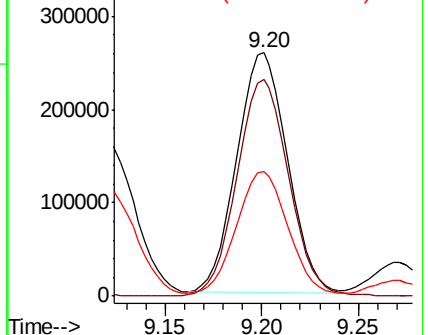
41 100

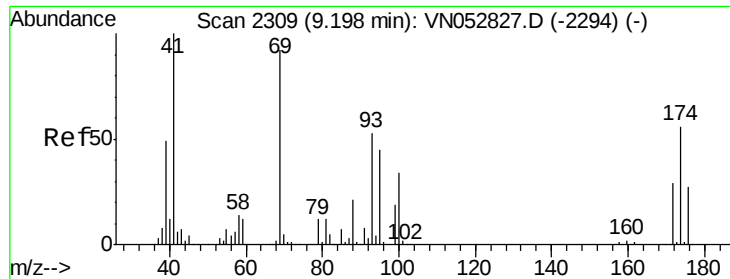
69 92.4 72.2 108.2

39 53.5 41.9 62.9



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

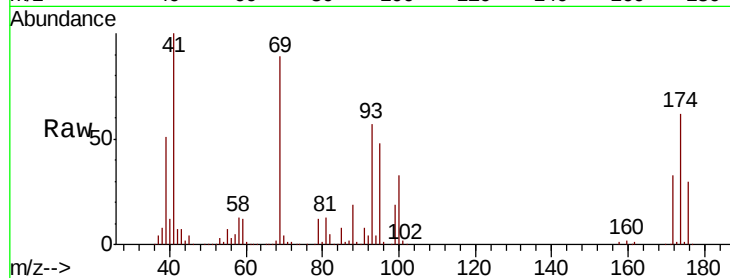




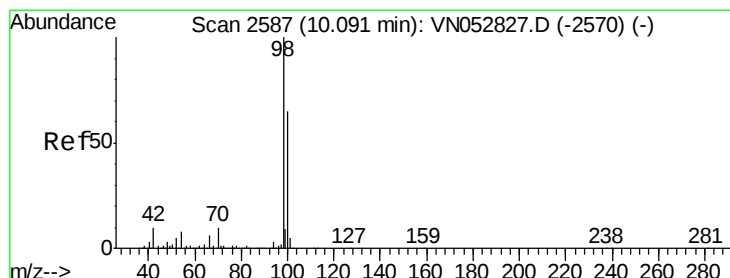
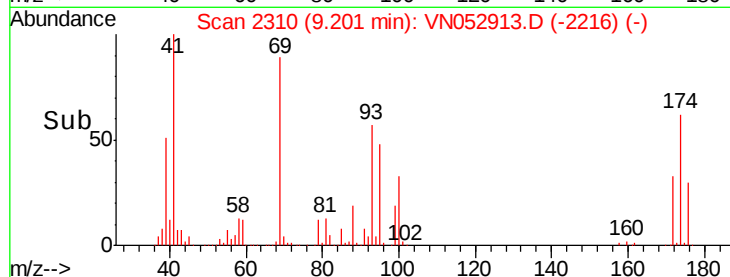
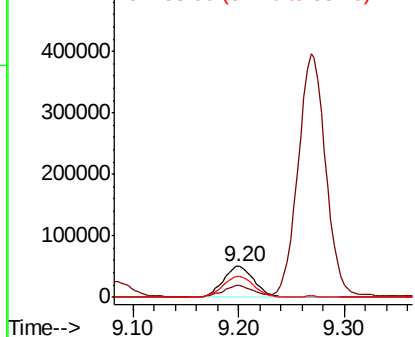
#49
1,4-Dioxane
Concen: 961.402 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 102635
Ion Ratio Lower Upper
88 100
43 33.3 26.6 40.0
58 68.3 58.4 87.6

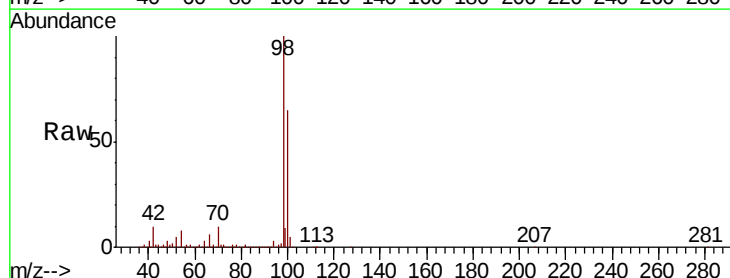


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

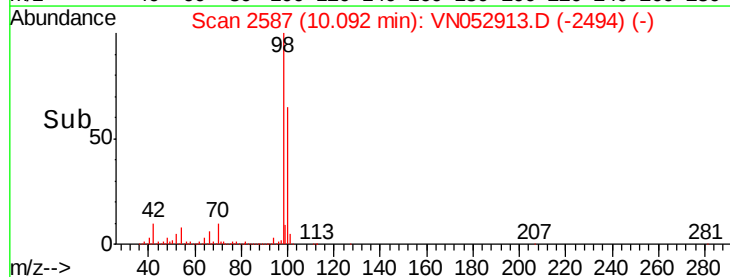
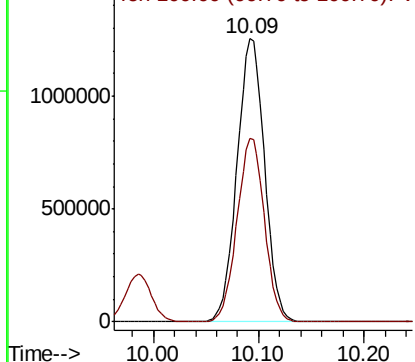


#50
Toluene-d8
Concen: 961.402 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 98 Resp: 2270515
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



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

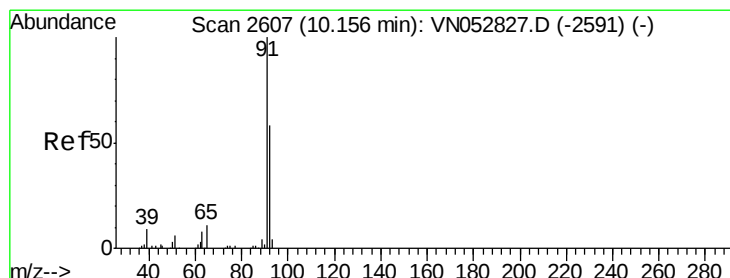
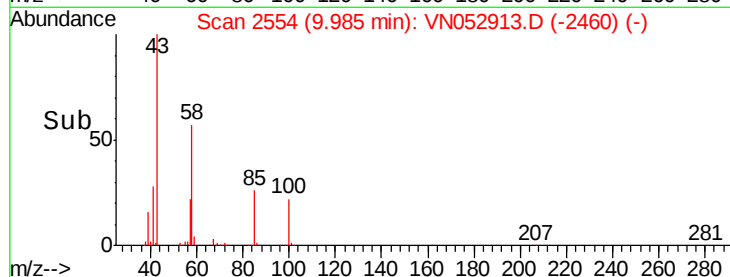
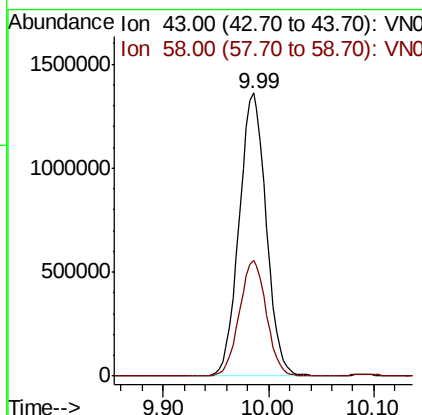
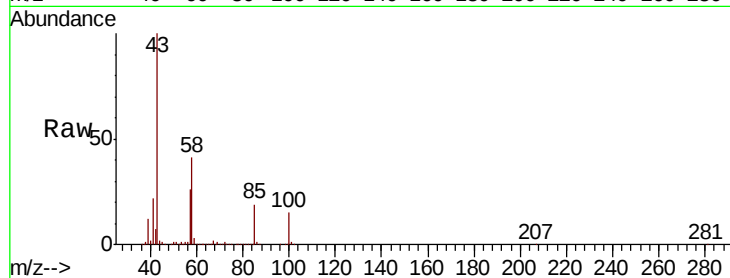




#51
 4-Methyl-2-Pentanone
 Concen: 246.028 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

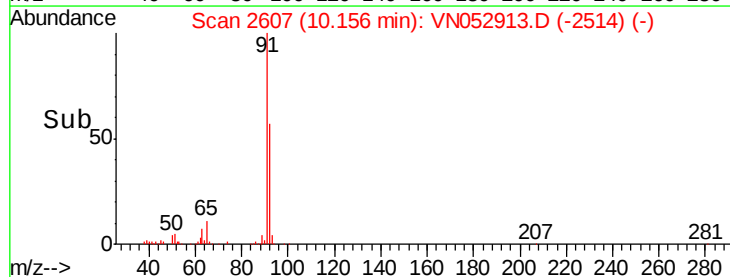
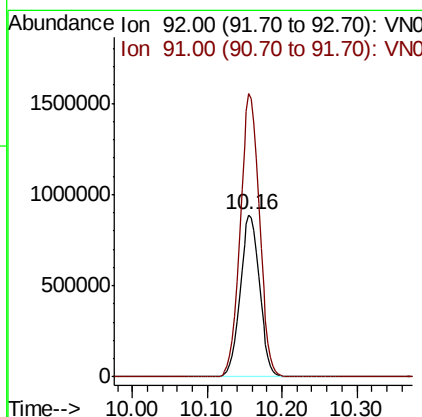
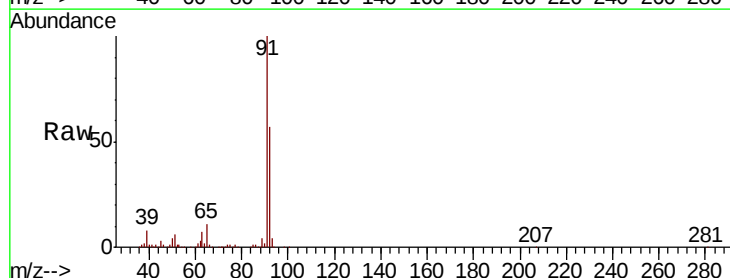
Instrument :
 MSVOA_N
 ClientSampleId :

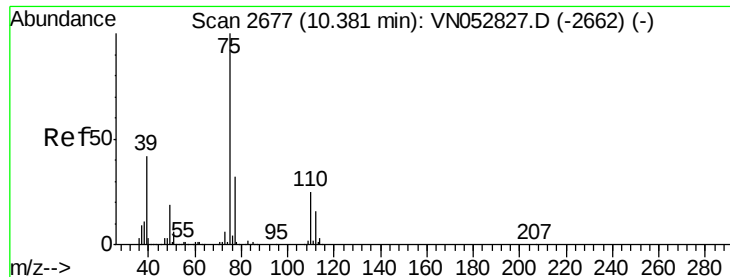
Tot Ion: 43 Resp: 2419428
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4



#52
 Toluene
 Concen: 50.204 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 92 Resp: 1589059
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 49.960 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

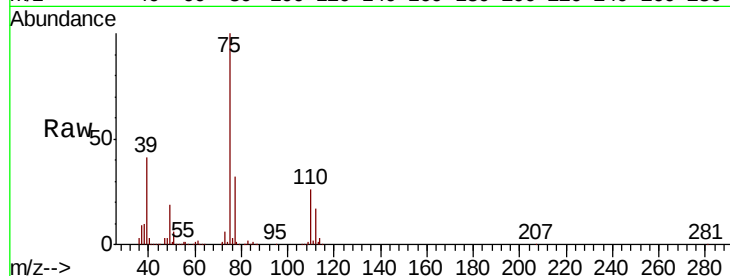
ClientSampleId :

Tot Ion: 75 Resp: 827603

Ion Ratio Lower Upper

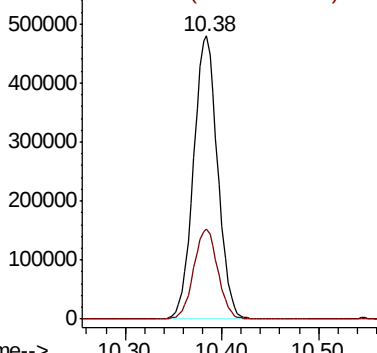
75 100

77 31.7 25.6 38.4

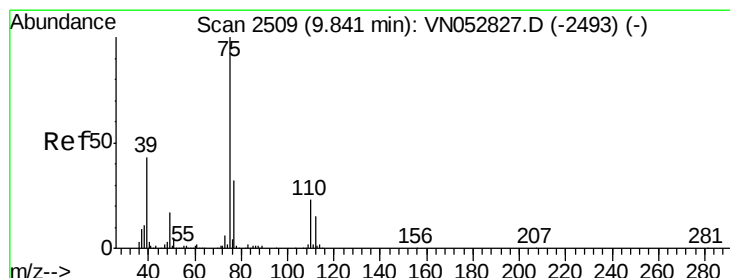
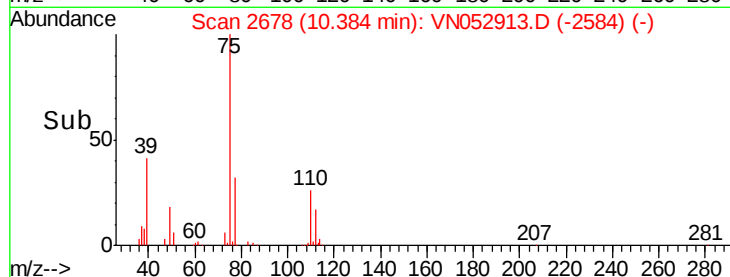


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.374 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

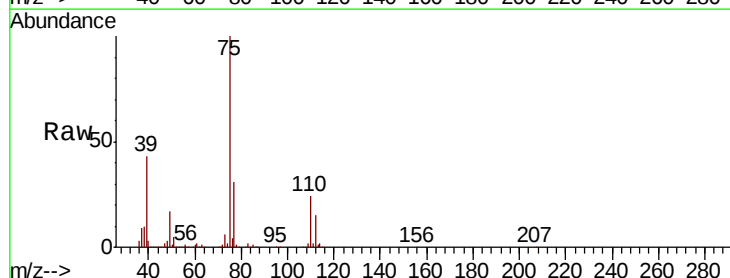
Tgt Ion: 75 Resp: 994374

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

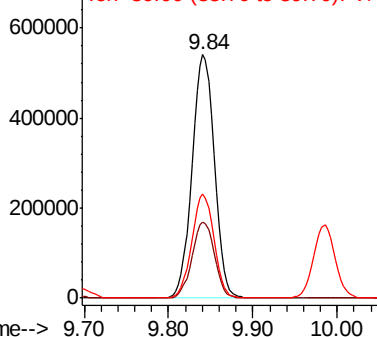
39 42.8 34.8 52.2



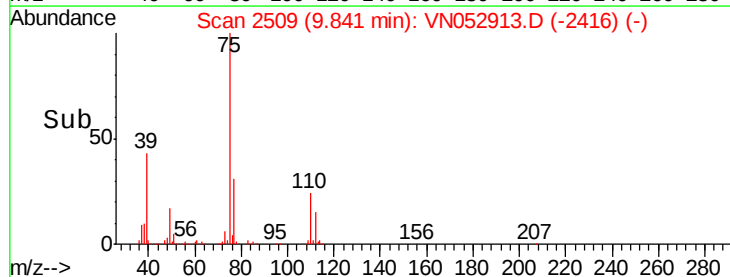
Abundance Ion 74.90 (74.60 to 75.60): VN0

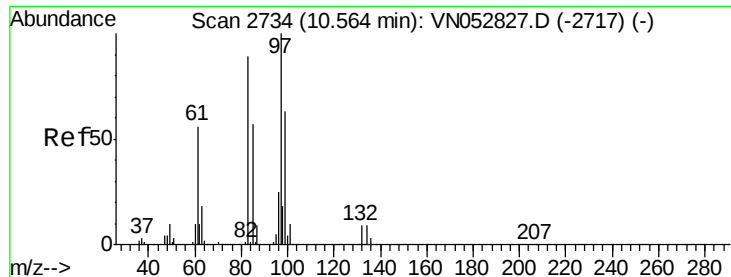
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

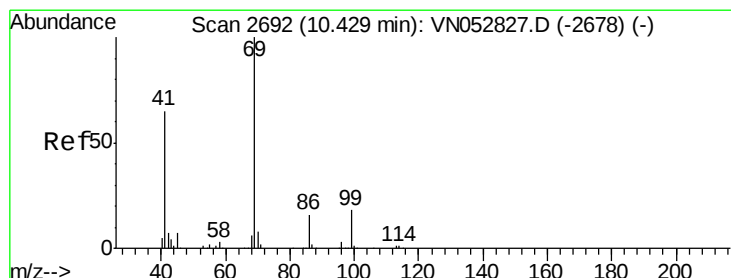
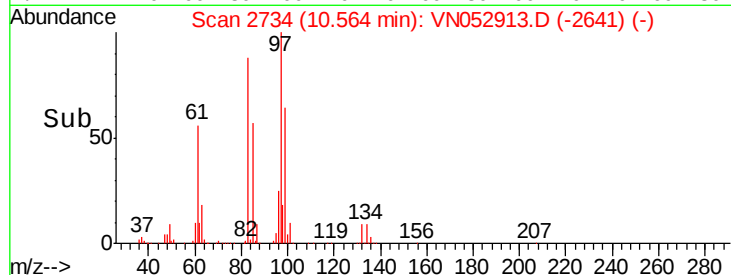
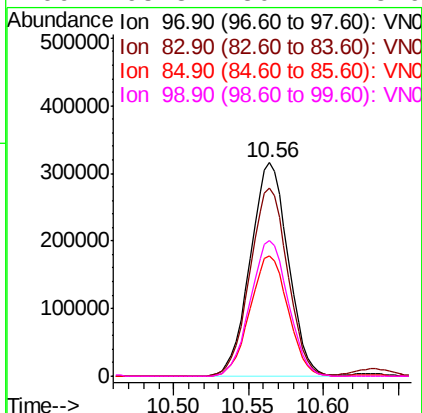
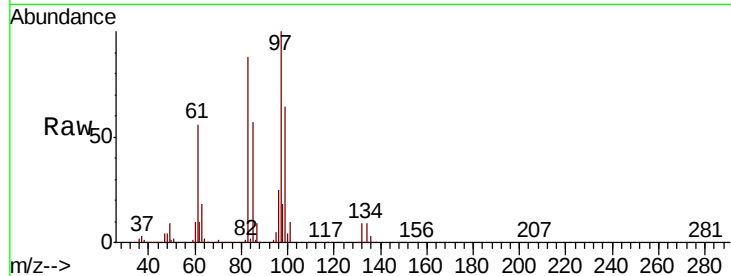




#55
 1,1,2-Trichloroethane
 Concen: 49.248 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

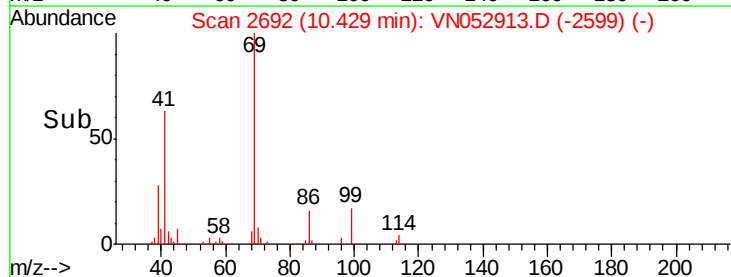
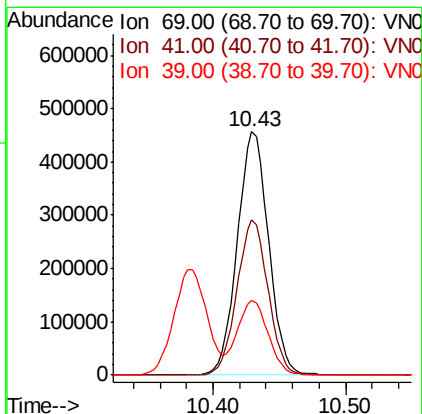
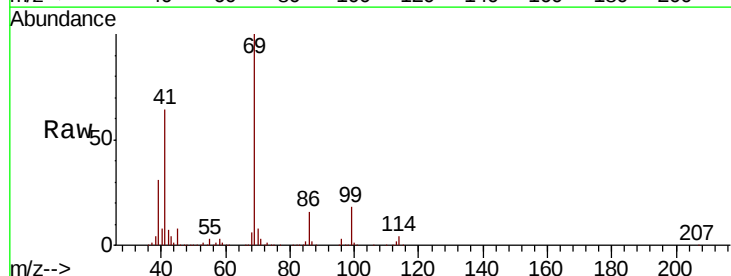
Instrument :
 MSVOA_N
 ClientSampleId :

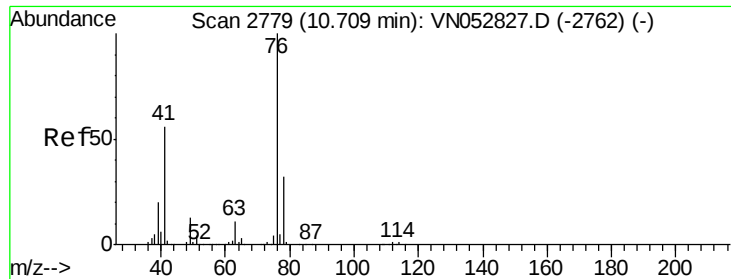
Tot Ion	97	Resp	556450
Ion Ratio	Lower	Upper	
97	100		
83	88.3	70.9	106.3
85	56.6	45.4	68.2
99	63.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 51.613 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion	69	Resp	748403
Ion Ratio	Lower	Upper	
69	100		
41	63.5	51.7	77.5
39	30.7	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.045 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

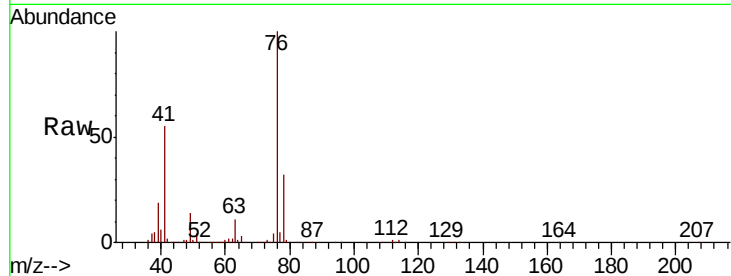
ClientSampled :

Tot Ion: 76 Resp: 969662

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

600000

500000

400000

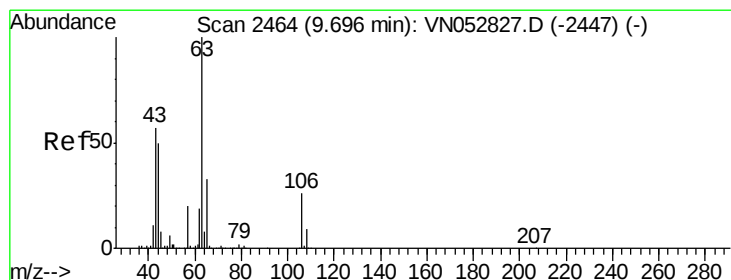
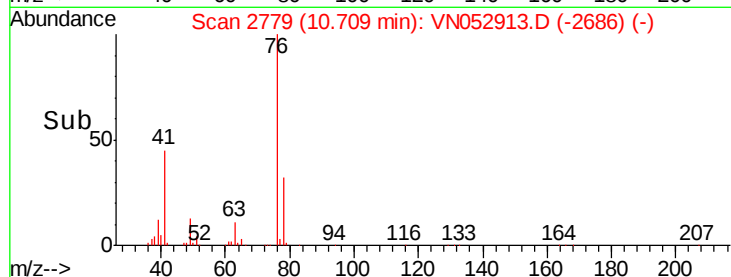
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 259.667 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052913.D

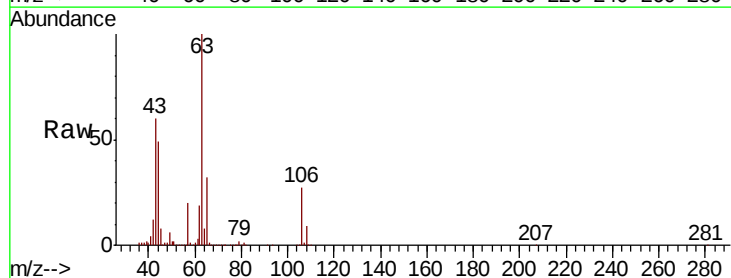
Acq: 15 Dec 2018 2:13

Tgt Ion: 63 Resp: 2100929

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

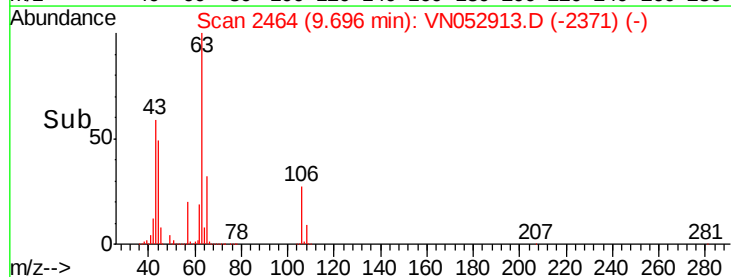
9.70

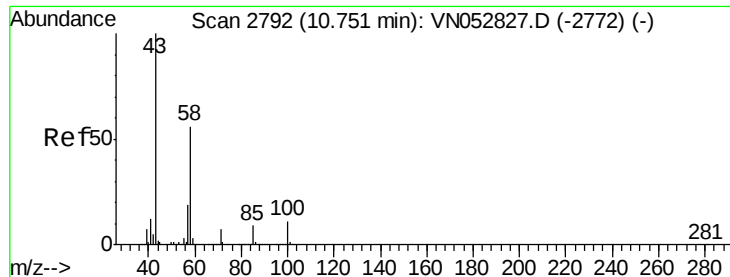
1000000

500000

0

Time--> 9.60 9.70 9.80

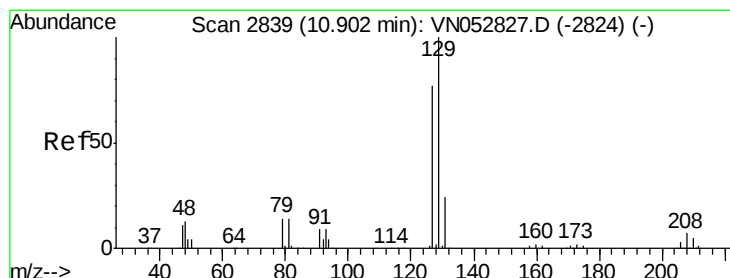
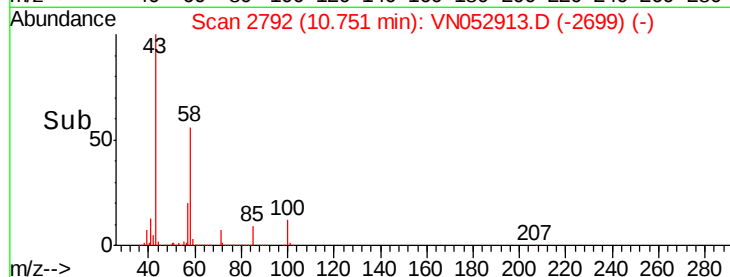
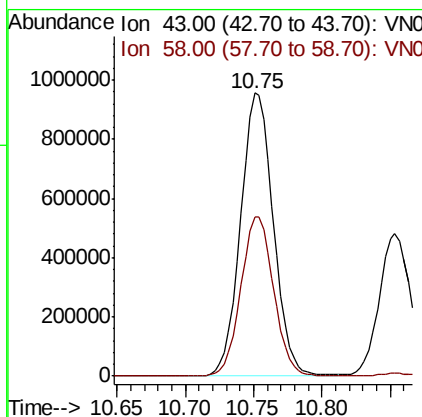
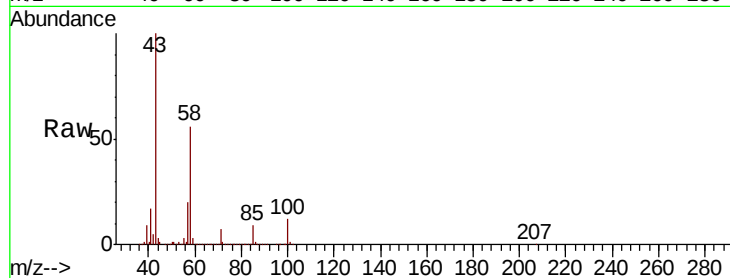




#59
2-Hexanone
Concen: 236.030 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

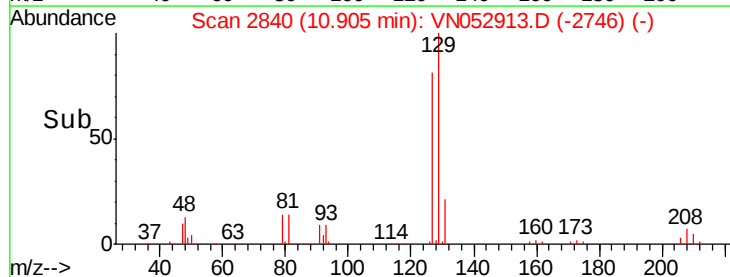
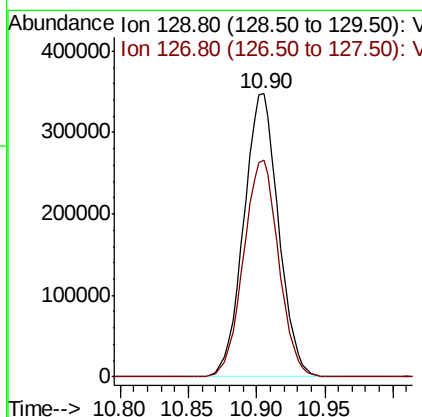
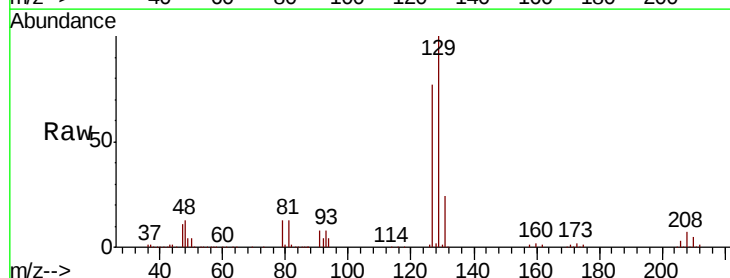
Instrument :
MSVOA_N
ClientSampled :

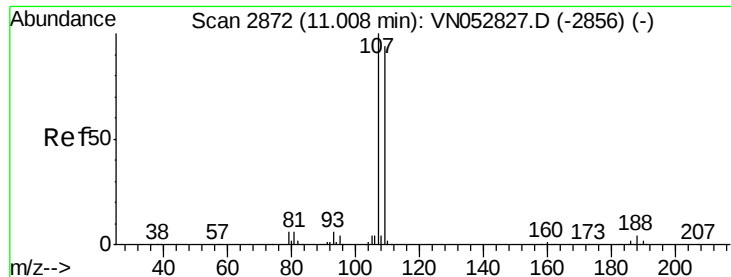
Tot Ion: 43 Resp: 1590701
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 50.324 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 129 Resp: 614527
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

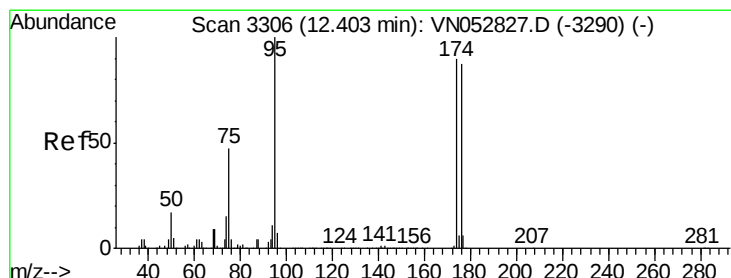
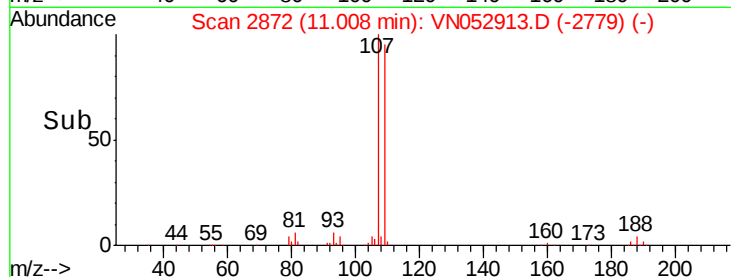
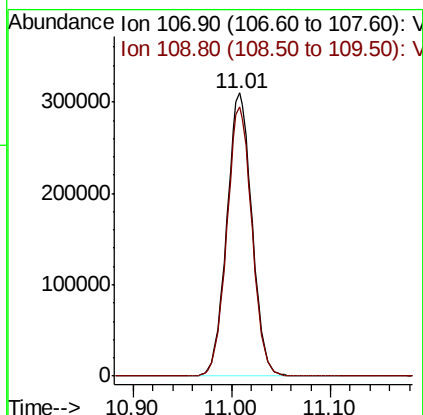
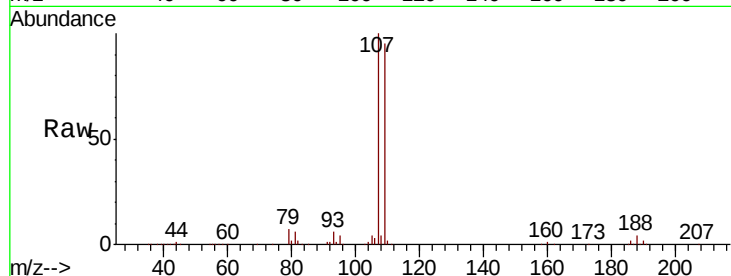




#61
 1,2-Dibromoethane
 Concen: 49.359 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

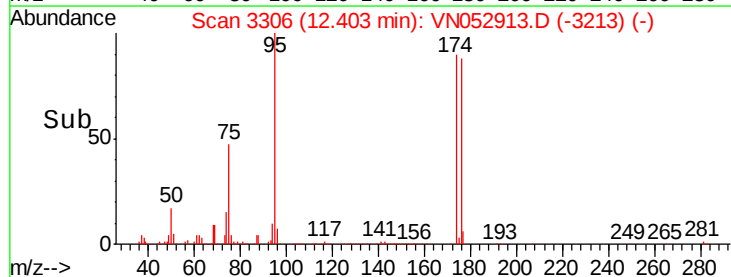
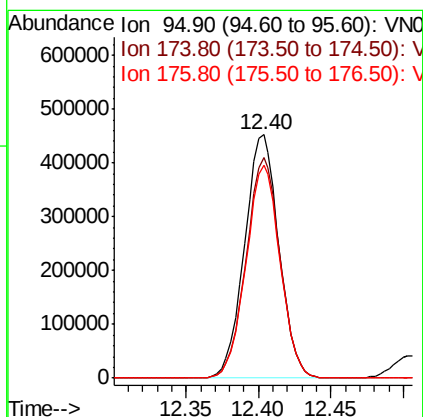
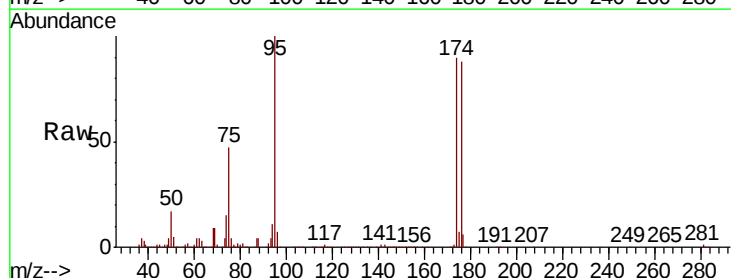
Instrument :
 MSVOA_N
 ClientSampleId :

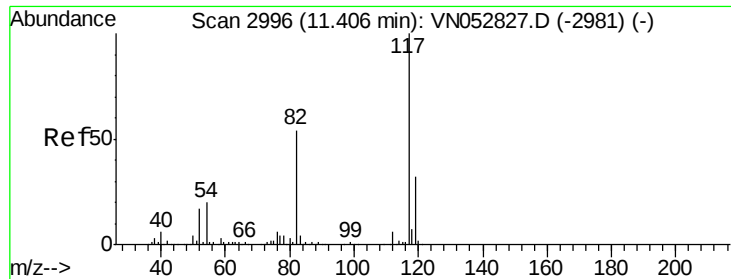
Tot Ion: 107 Resp: 551269
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.359 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 95 Resp: 743644
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 178.8
 176 87.1 0.0 173.8

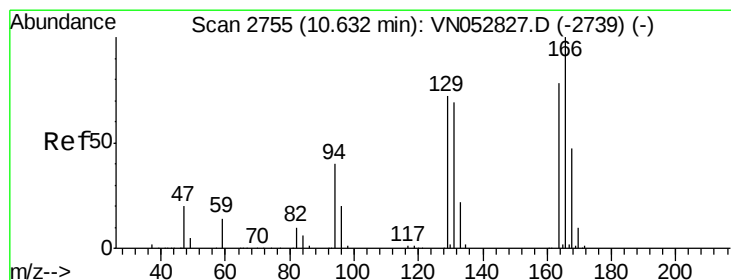
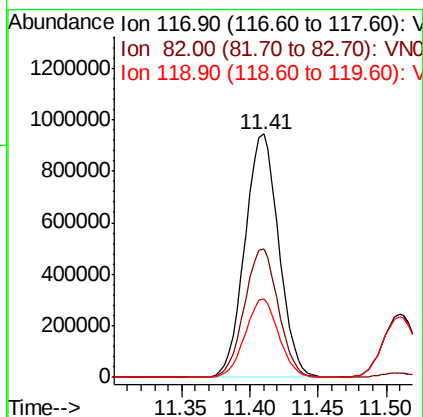
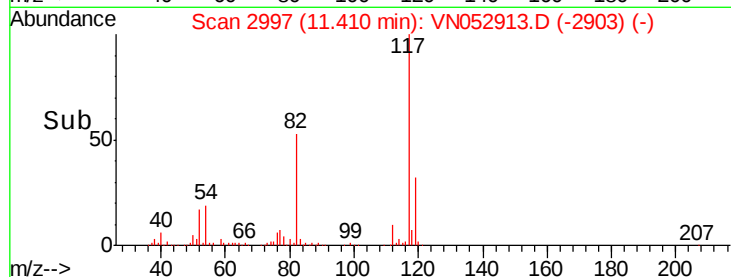
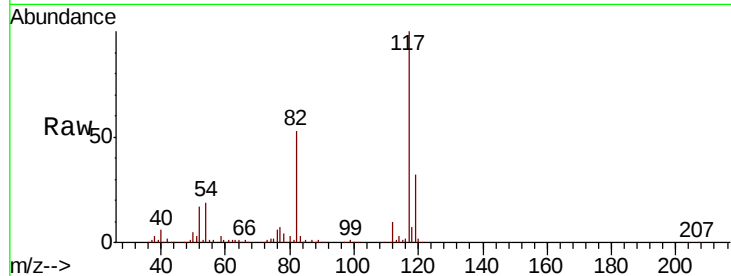




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

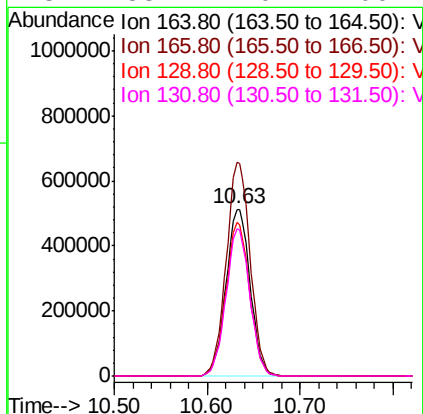
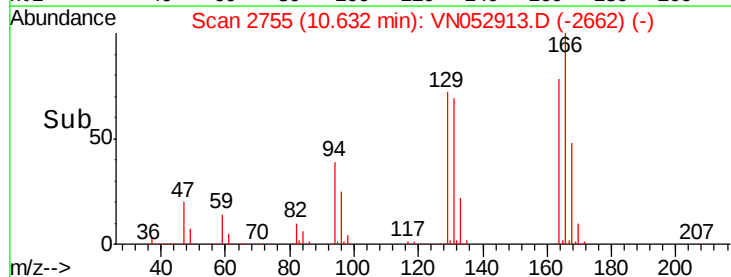
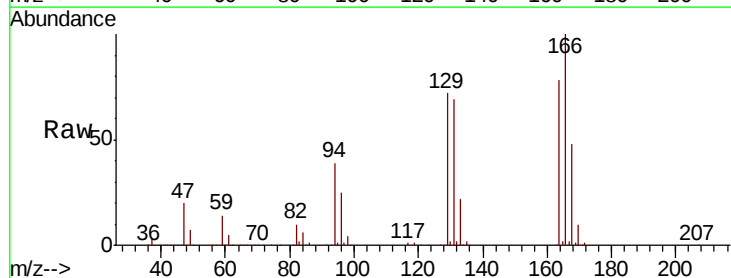
Instrument :
MSVOA_N
ClientSampleId :

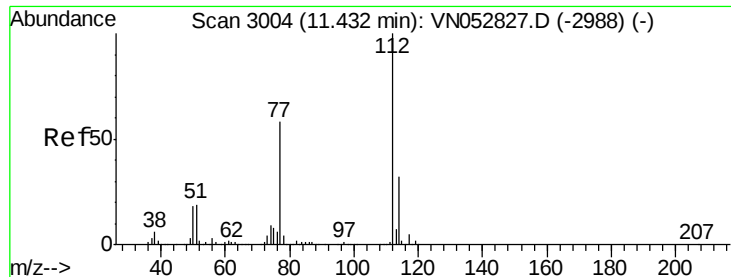
Tot Ion:117 Resp: 1625726
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 65.930 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion:164 Resp: 921218
Ion Ratio Lower Upper
164 100
166 127.9 102.9 154.3
129 91.8 73.7 110.5
131 88.2 70.7 106.1





#65

Chlorobenzene

Concen: 50.168 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

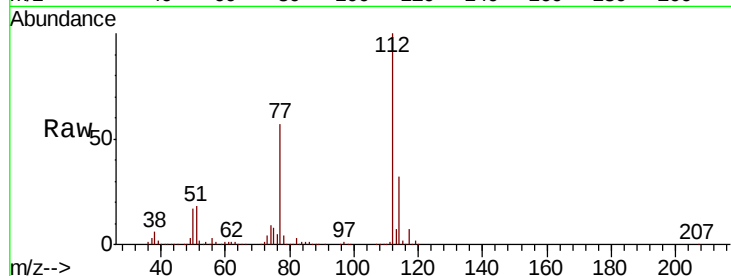
ClientSampleId :

Tot Ion:112 Resp: 1692069

Ion Ratio Lower Upper

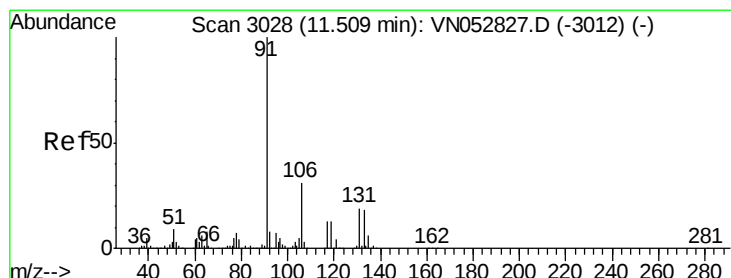
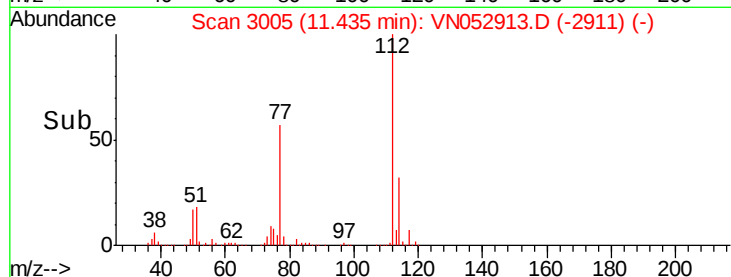
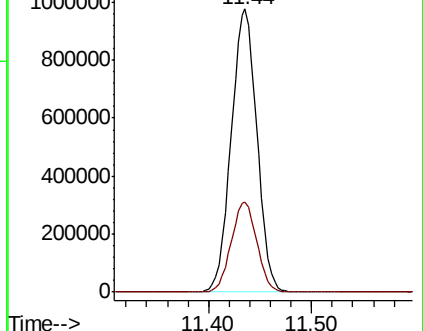
112 100

114 31.9 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.556 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

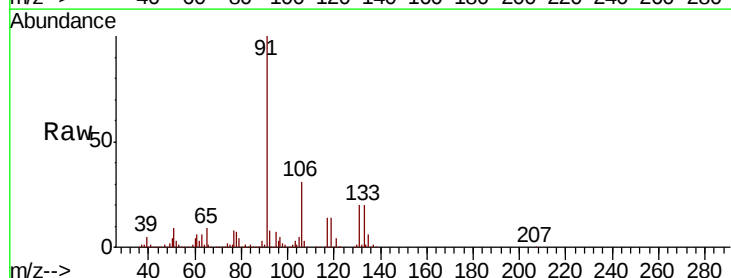
Tgt Ion:131 Resp: 604761

Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.9

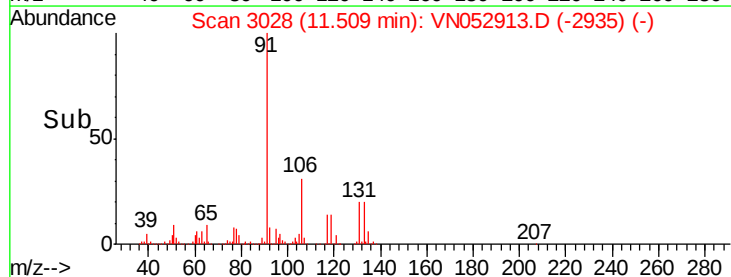
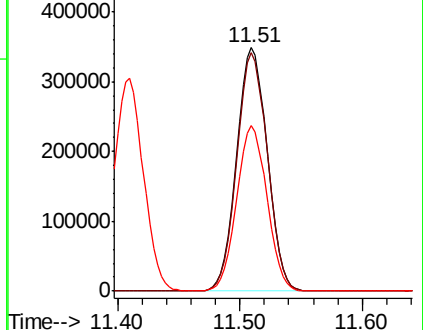
119 67.2 33.3 99.8

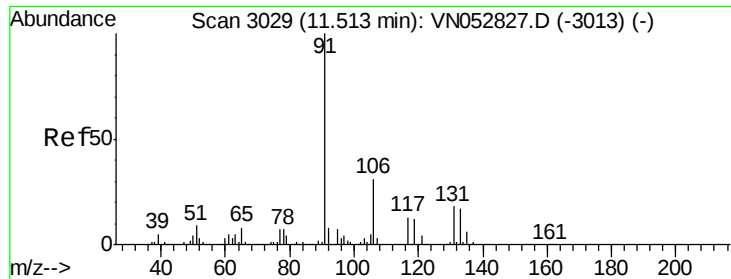


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

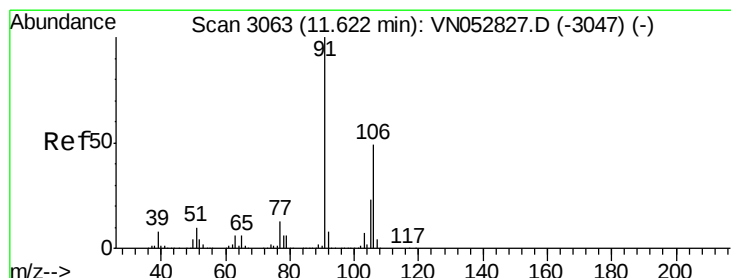
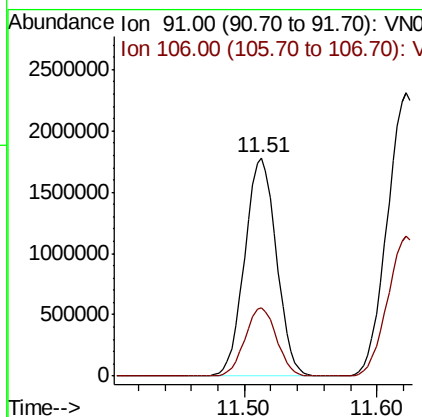
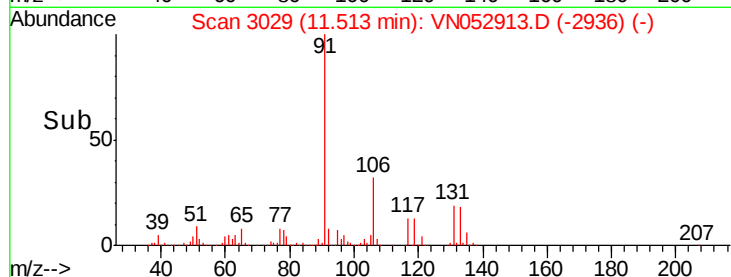
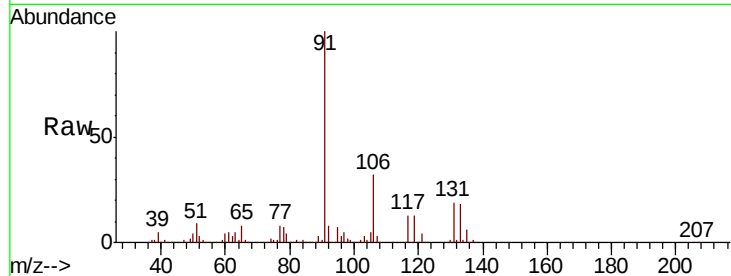




#67
Ethyl Benzene
Concen: 50.992 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

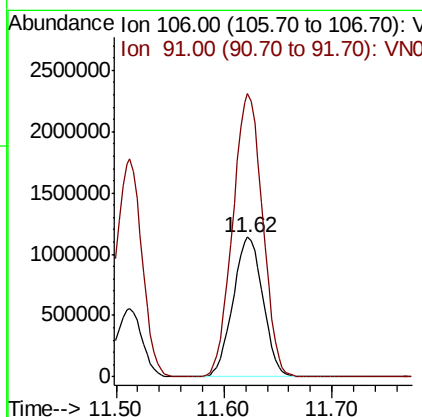
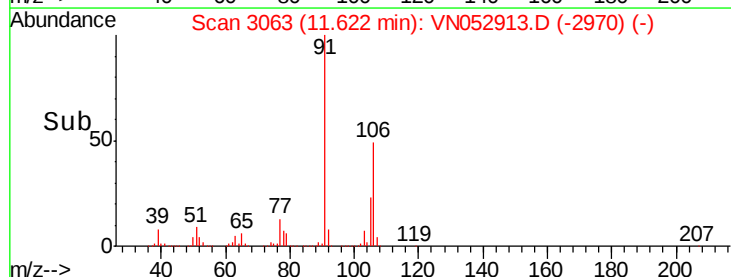
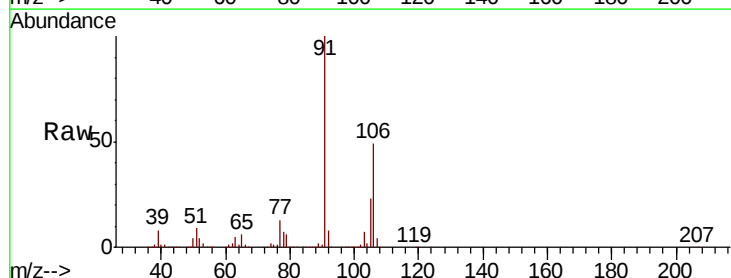
Instrument :
MSVOA_N
ClientSampled :

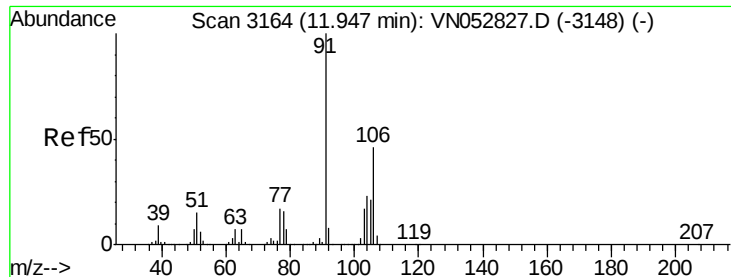
Tot Ion: 91 Resp: 2953534
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3



#68
m/p-Xylenes
Concen: 101.231 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 106 Resp: 2201670
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.4





#69

o-Xylene

Concen: 50.271 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

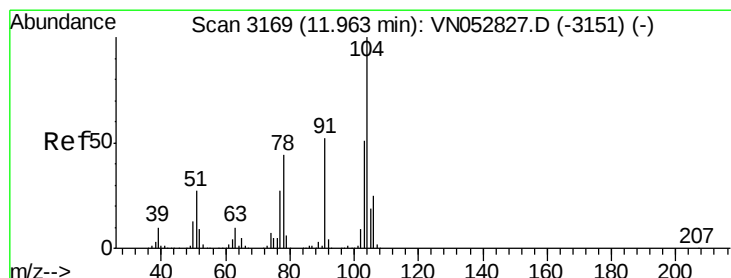
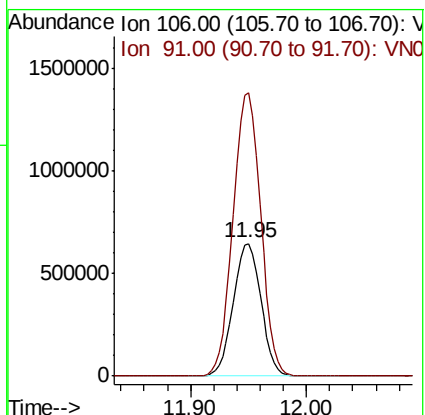
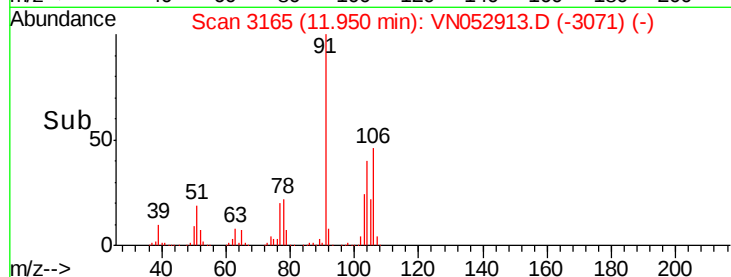
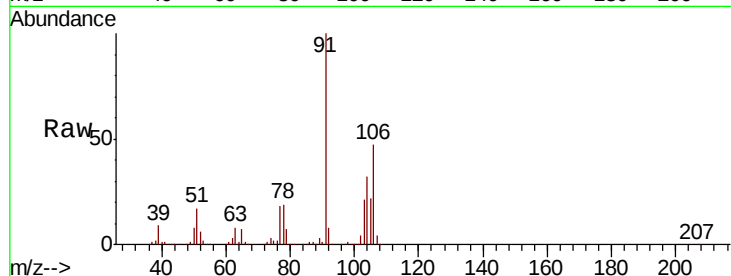
ClientSampled :

Tot Ion:106 Resp: 1067632

Ion Ratio Lower Upper

106 100

91 213.9 106.6 319.8



#70

Styrene

Concen: 51.196 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

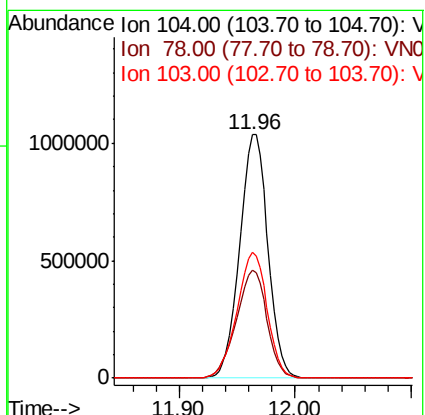
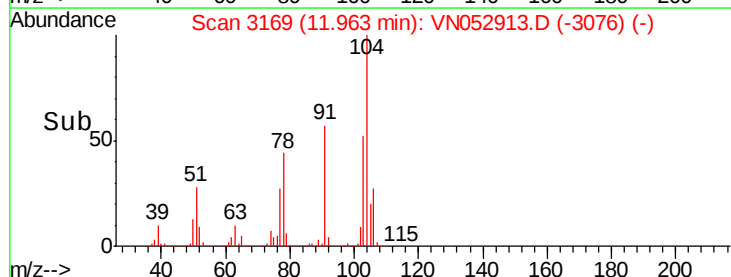
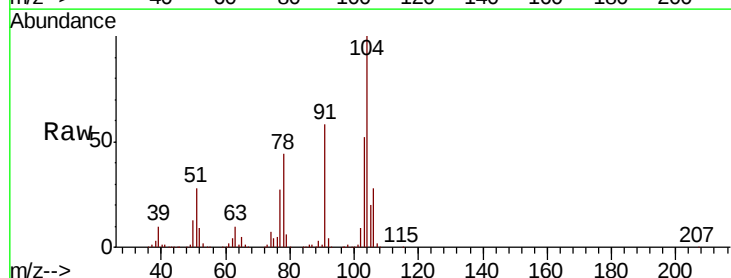
Tgt Ion:104 Resp: 1747819

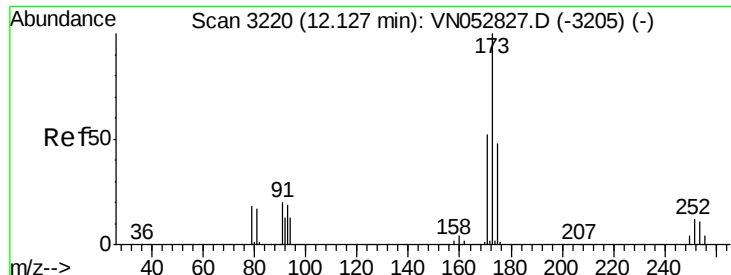
Ion Ratio Lower Upper

104 100

78 48.0 38.9 58.3

103 55.2 44.3 66.5

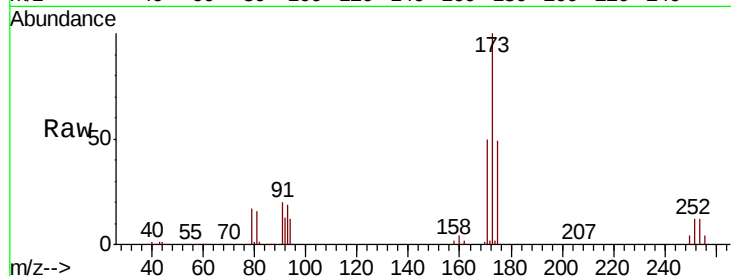




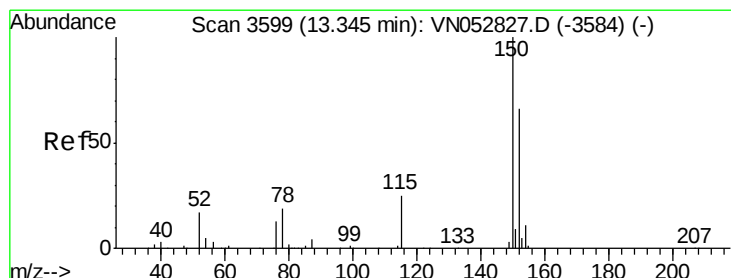
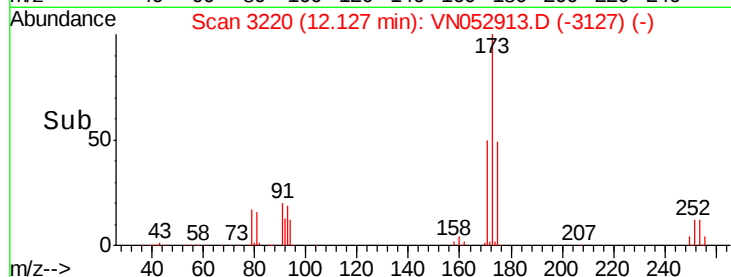
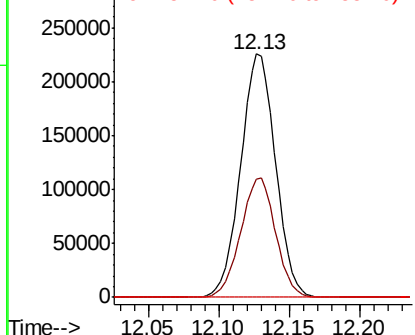
#71
Bromoform
Concen: 49.037 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 390782
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.9
254 0.0 0.1 0.1#

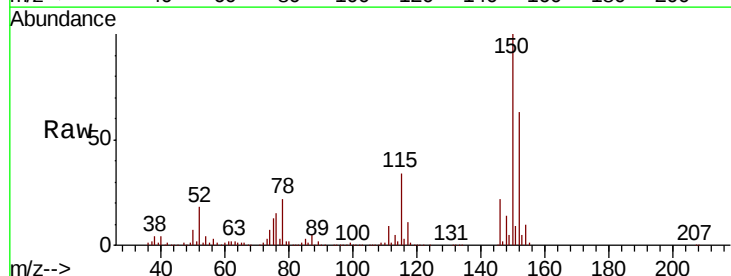


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

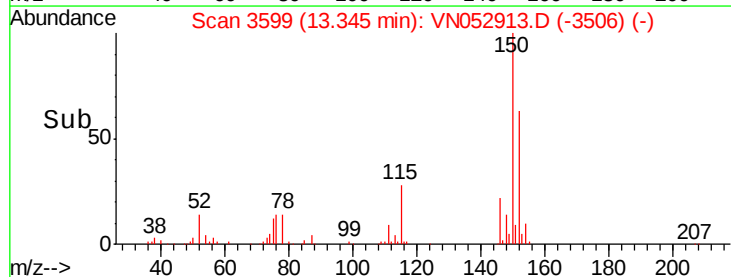
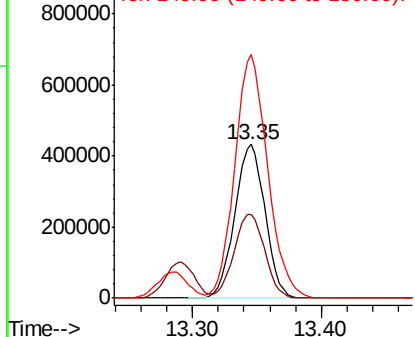


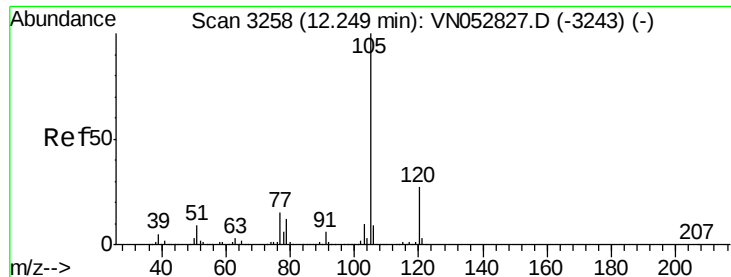
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion:152 Resp: 702729
Ion Ratio Lower Upper
152 100
115 55.6 28.3 85.0
150 172.5 0.0 347.8



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





#73

Isopropylbenzene

Concen: 53.784 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

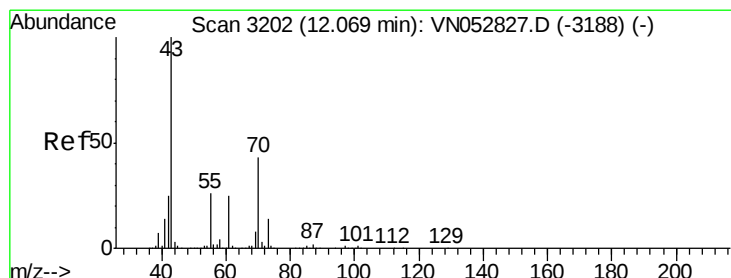
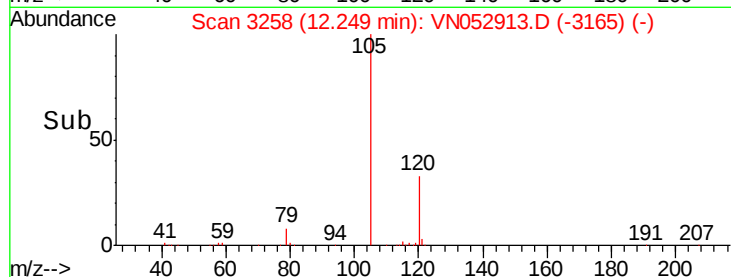
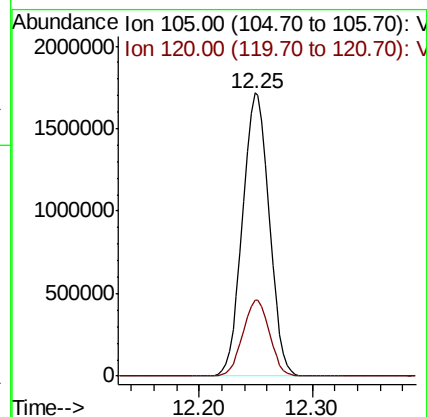
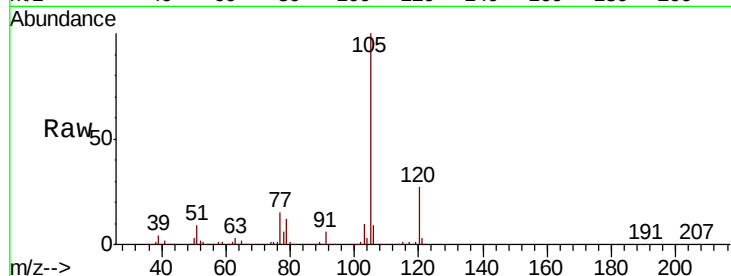
ClientSampled :

Tot Ion:105 Resp: 2821972

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 55.966 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Tgt Ion: 43 Resp: 806175

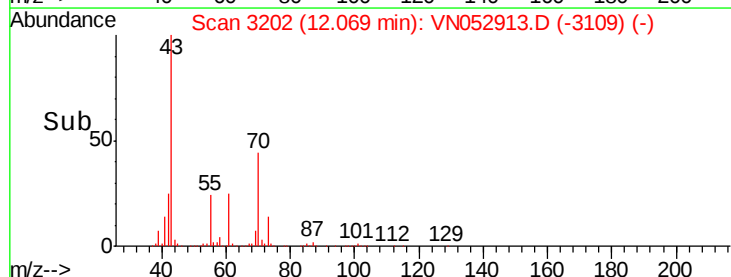
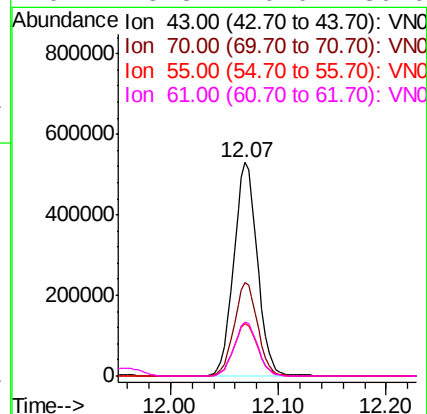
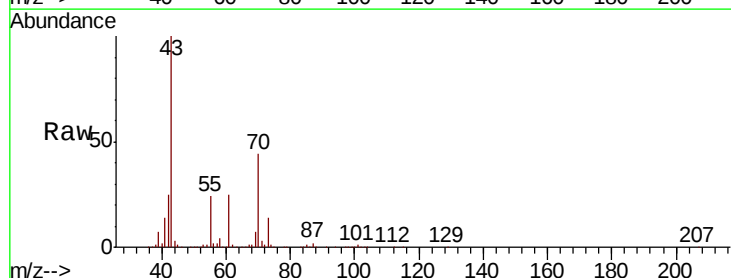
Ion Ratio Lower Upper

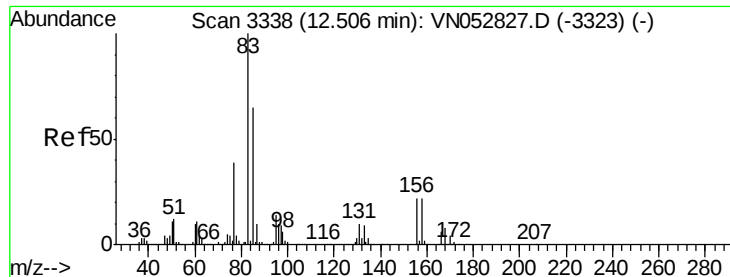
43 100

70 44.0 34.2 51.4

55 24.9 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 40.828 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

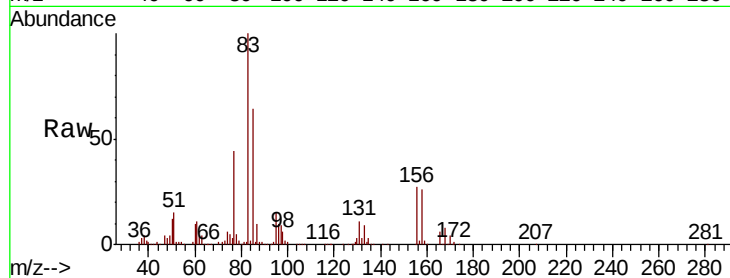
Tot Ion: 83 Resp: 480093

Ion Ratio Lower Upper

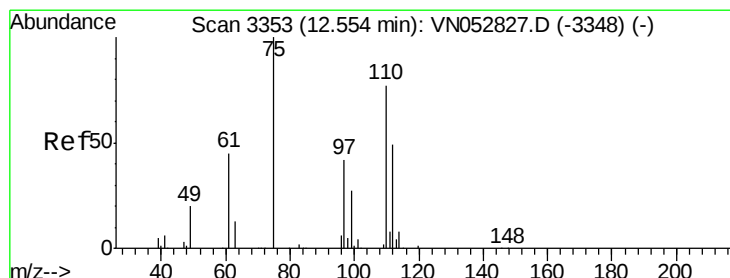
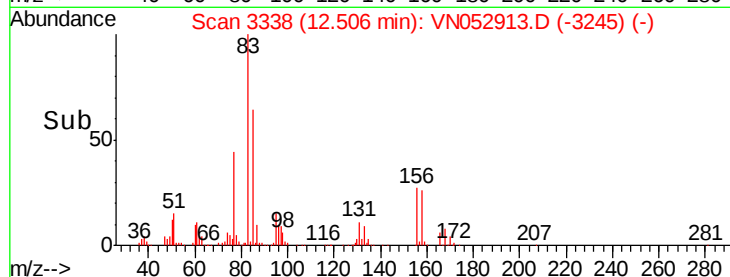
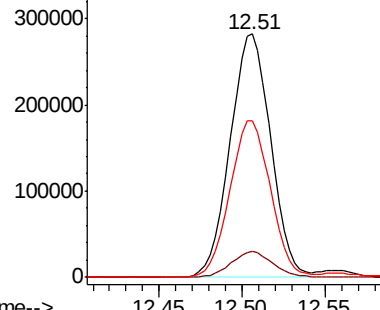
83 100

131 10.8 5.2 15.6

85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 74.014 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052913.D

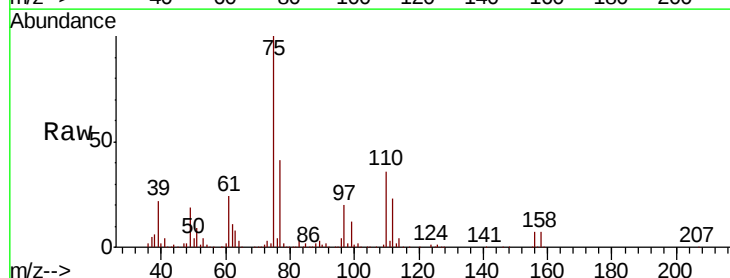
Acq: 15 Dec 2018 2:13

Tgt Ion: 75 Resp: 767378

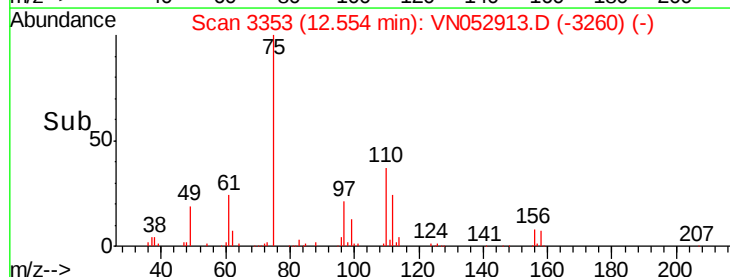
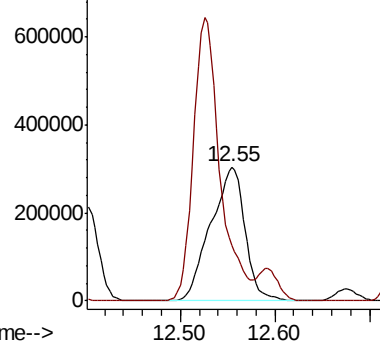
Ion Ratio Lower Upper

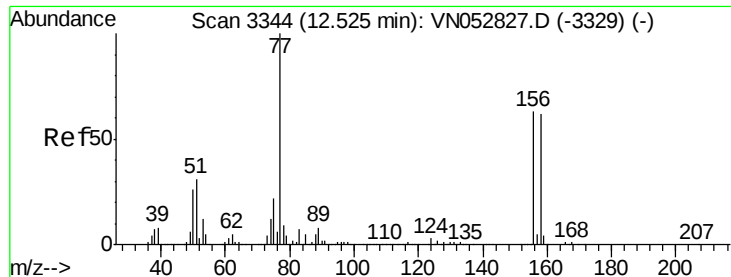
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 53.413 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

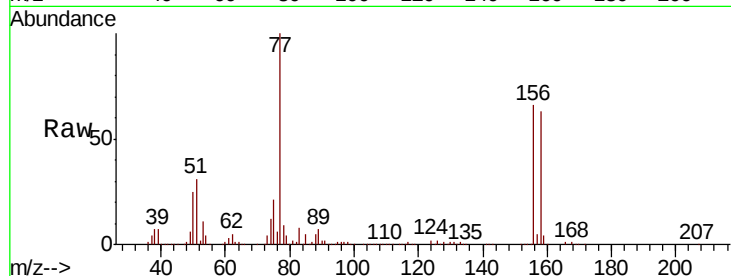
Tot Ion:156 Resp: 712801

Ion Ratio Lower Upper

156 100

77 177.4 91.3 273.8

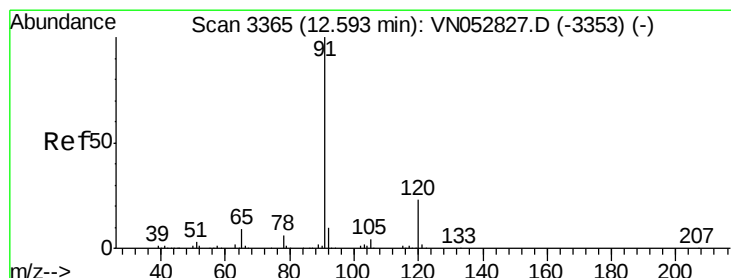
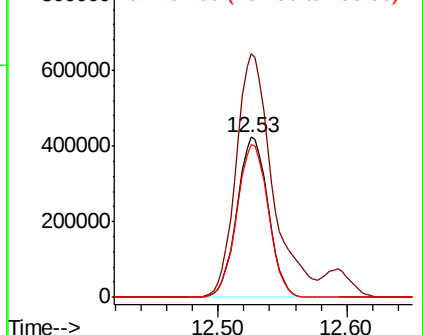
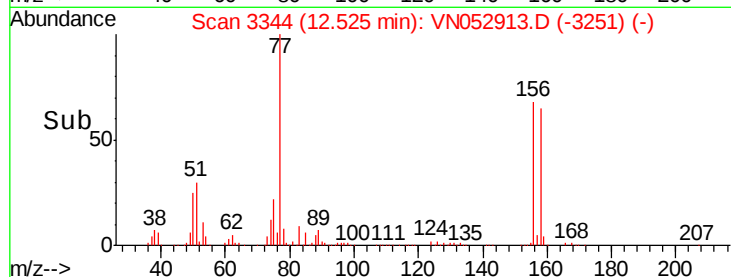
158 96.4 49.0 147.2



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: 52.966 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052913.D

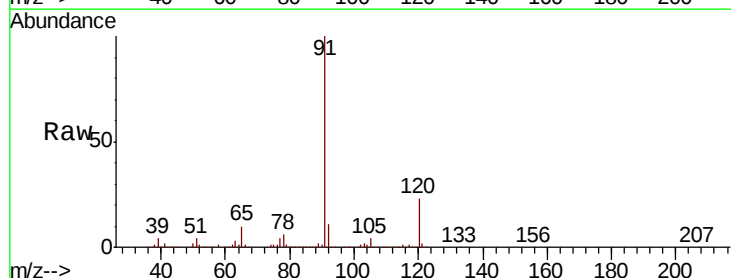
Acq: 15 Dec 2018 2:13

Tgt Ion: 91 Resp: 3169452

Ion Ratio Lower Upper

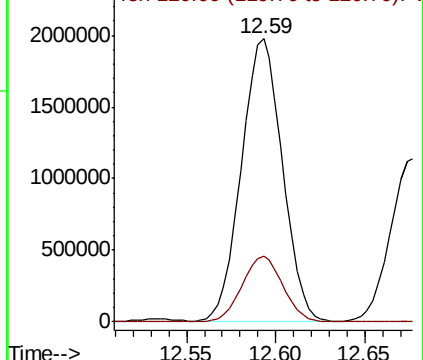
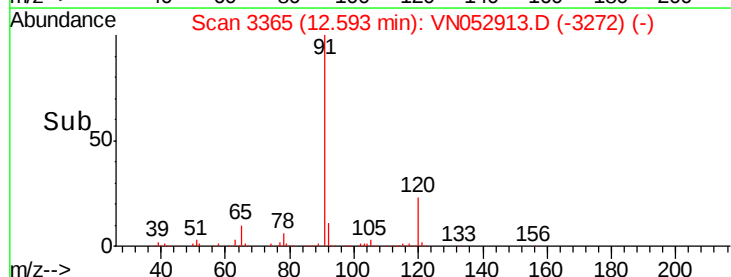
91 100

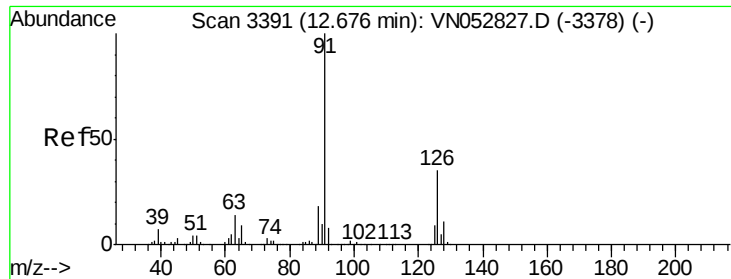
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.256 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

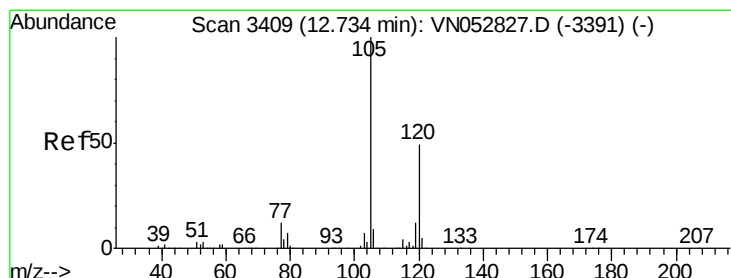
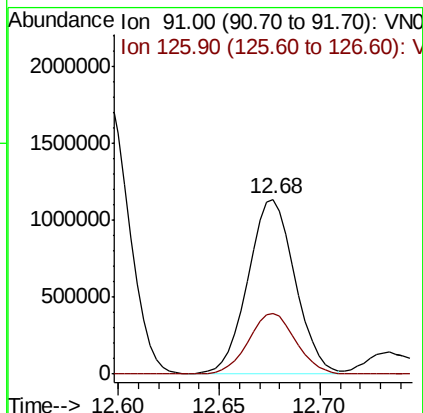
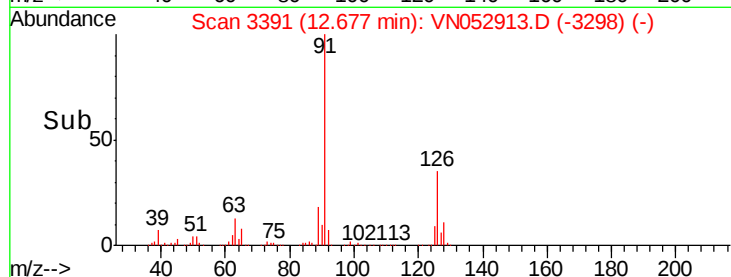
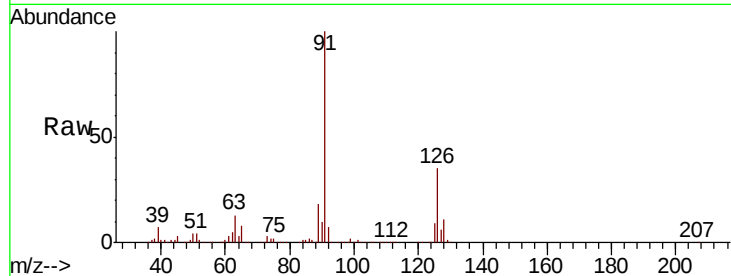
ClientSampled :

Tot Ion: 91 Resp: 1848620

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 52.012 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052913.D

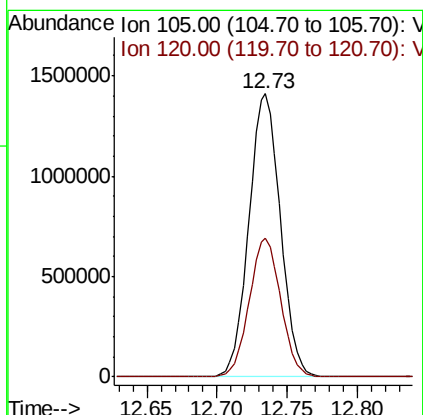
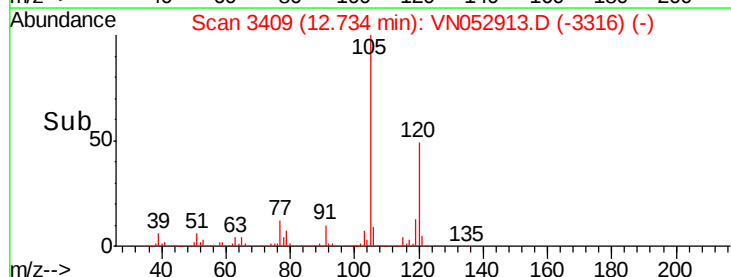
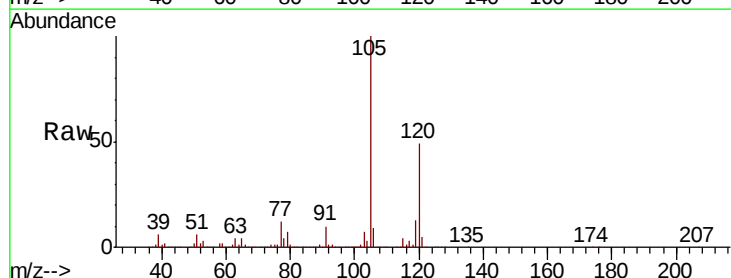
Acq: 15 Dec 2018 2:13

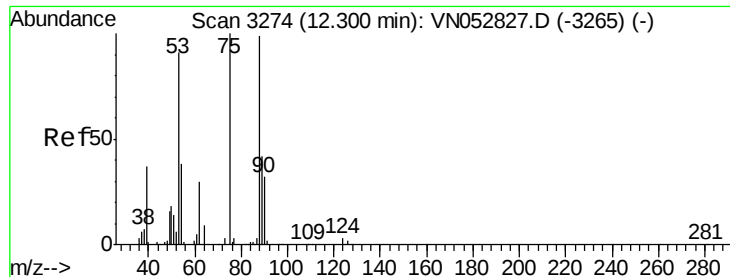
Tgt Ion: 105 Resp: 2202965

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.530 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

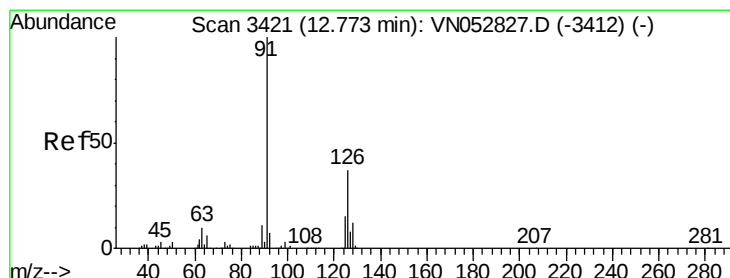
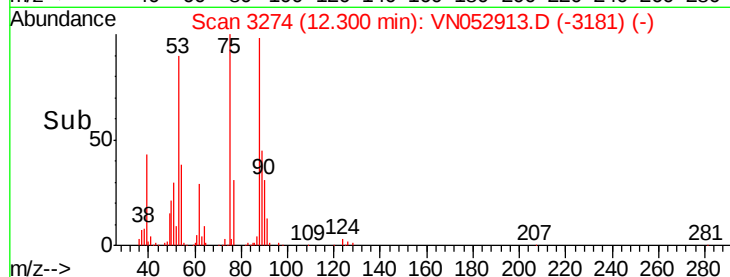
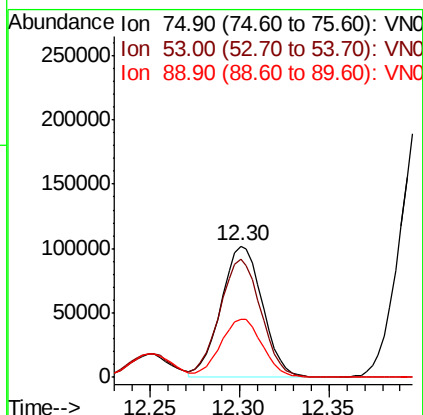
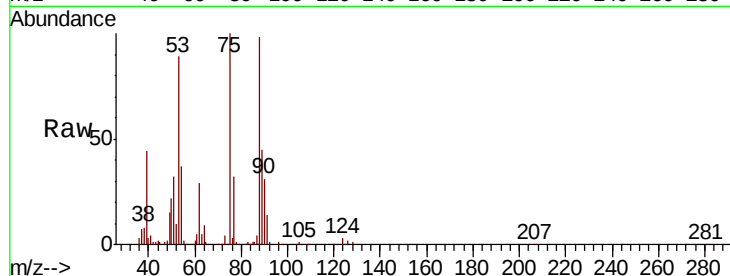
Tot Ion: 75 Resp: 163079

Ion Ratio Lower Upper

75 100

53 91.2 74.7 112.1

89 44.9 36.1 54.1



#82

4-Chlorotoluene

Concen: 51.697 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052913.D

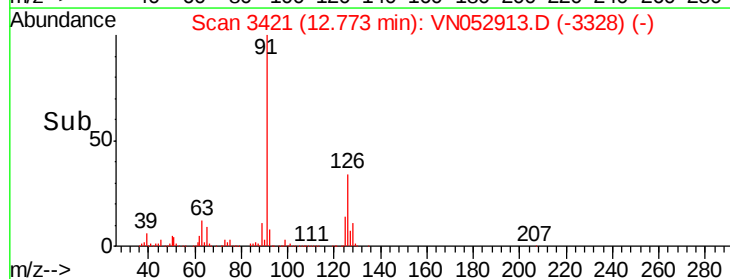
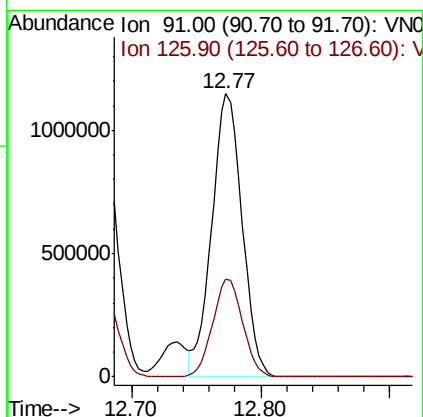
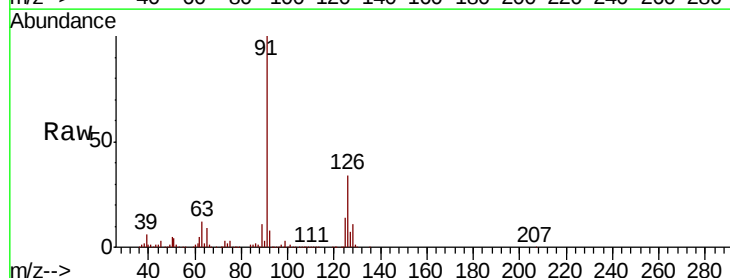
Acq: 15 Dec 2018 2:13

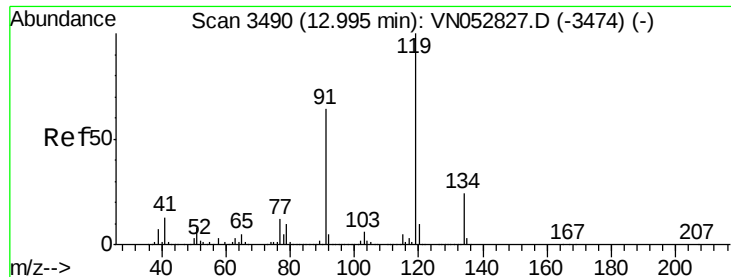
Tgt Ion: 91 Resp: 1869871

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7

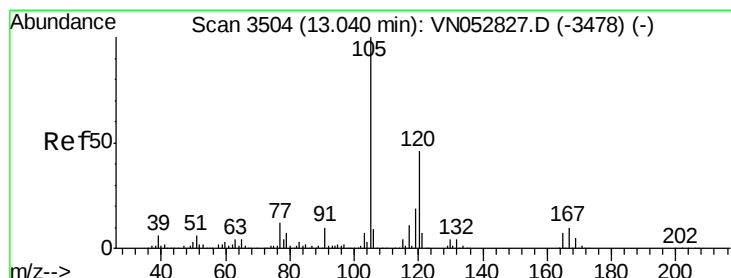
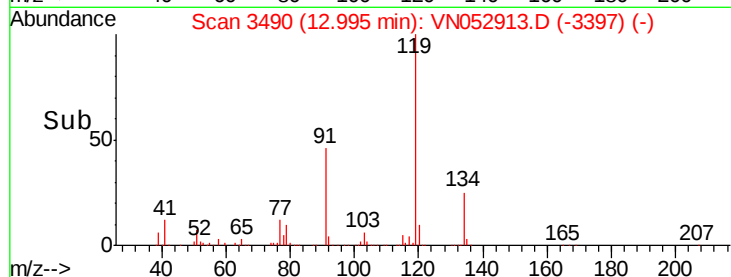
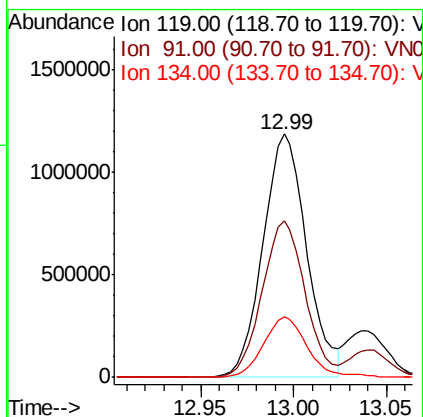
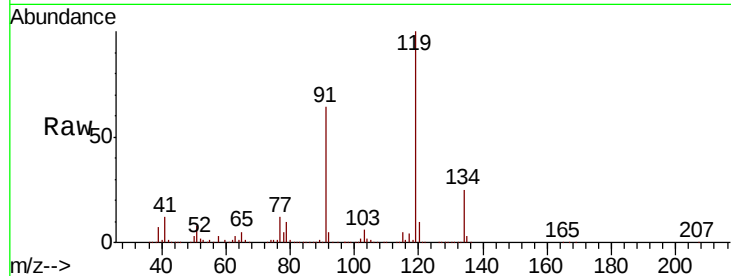




#83
tert-Butylbenzene
Concen: 52.159 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

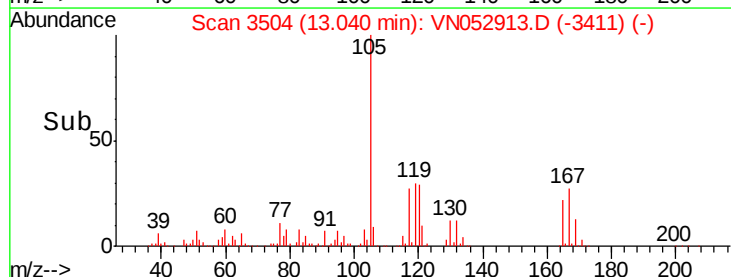
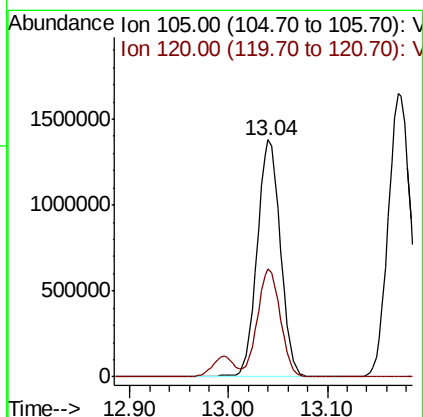
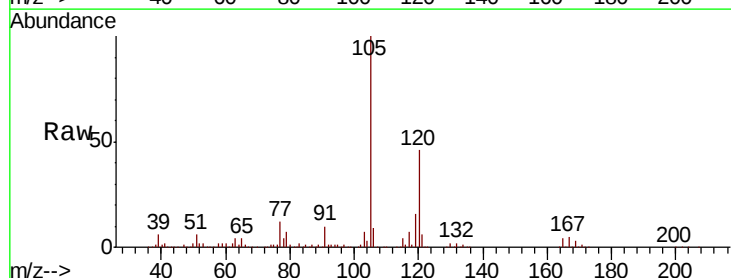
Instrument :
MSVOA_N
ClientSampled :

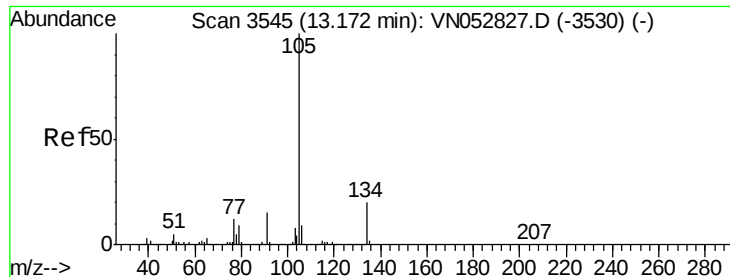
Tot Ion:119 Resp: 1948803
Ion Ratio Lower Upper
119 100
91 63.2 31.9 95.5
134 25.1 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 51.945 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion:105 Resp: 2227321
Ion Ratio Lower Upper
105 100
120 45.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 51.643 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Instrument :

MSVOA_N

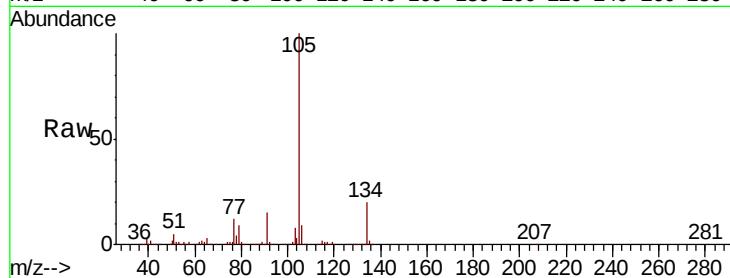
ClientSampleId :

Tot Ion:105 Resp: 2613122

Ion Ratio Lower Upper

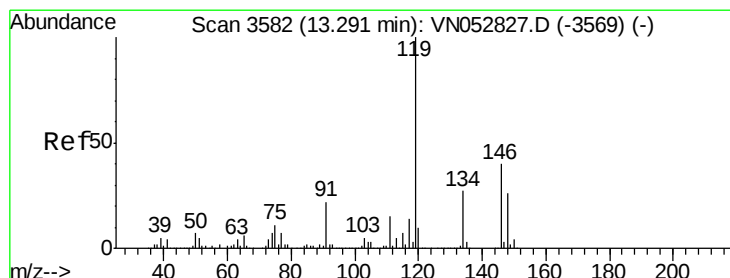
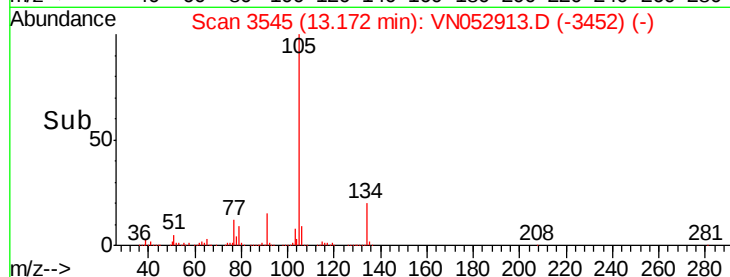
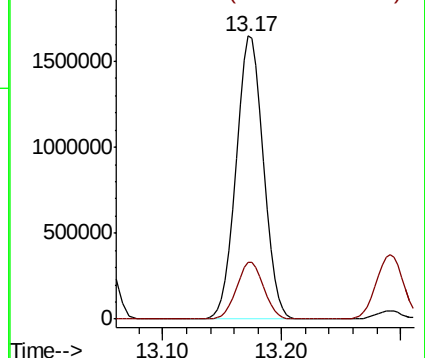
105 100

134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.165 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

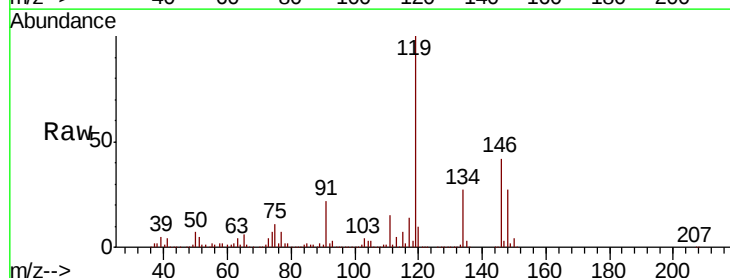
Tgt Ion:119 Resp: 2242992

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

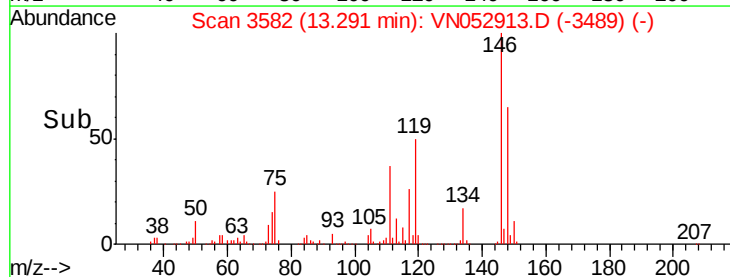
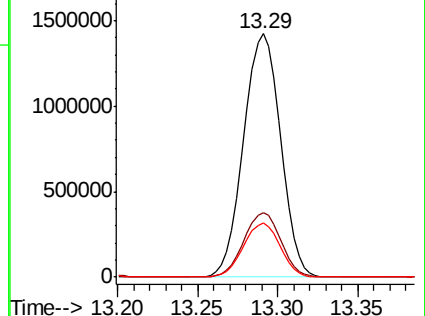
91 22.0 11.1 33.3

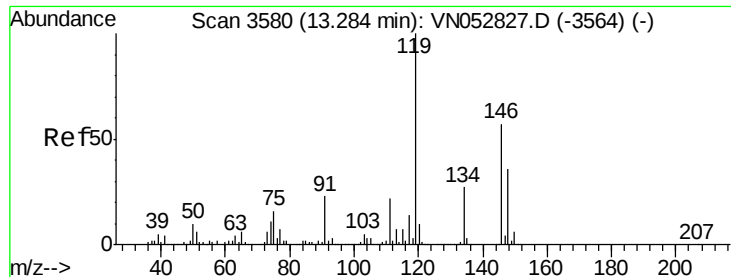


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

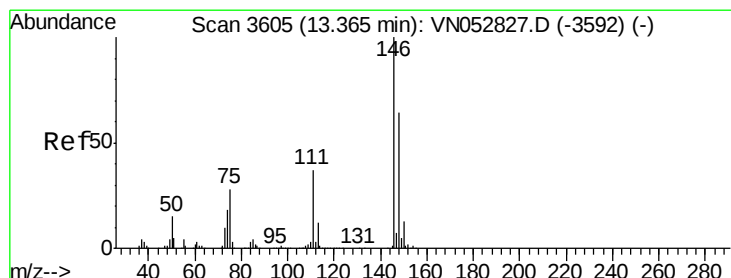
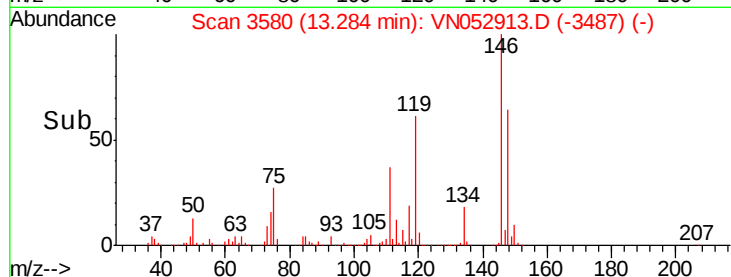
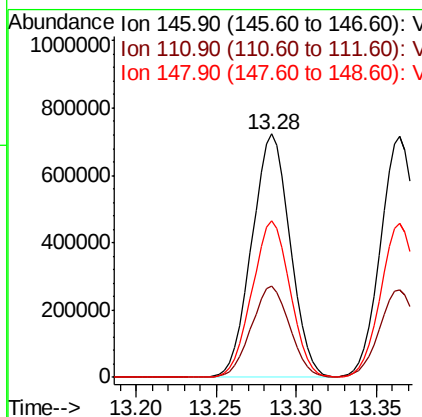
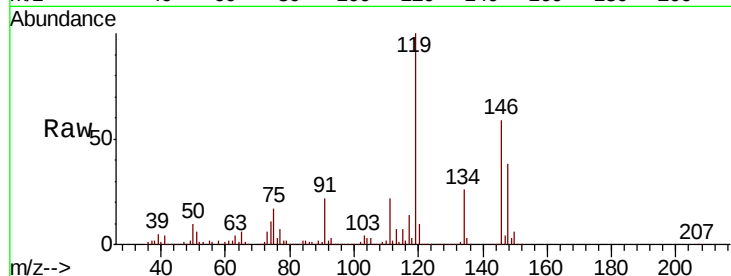




#87
 1,3-Dichlorobenzene
 Concen: 50.051 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

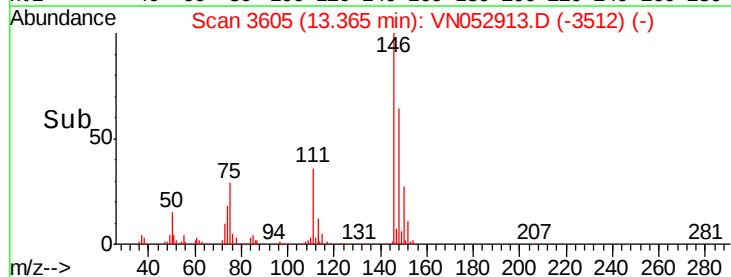
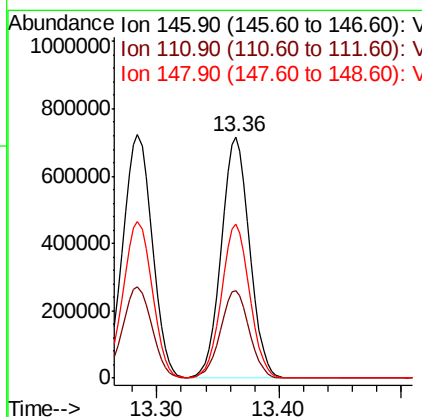
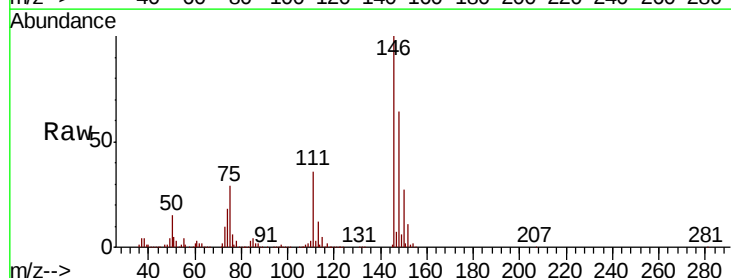
Instrument :
 MSVOA_N
 ClientSampled :

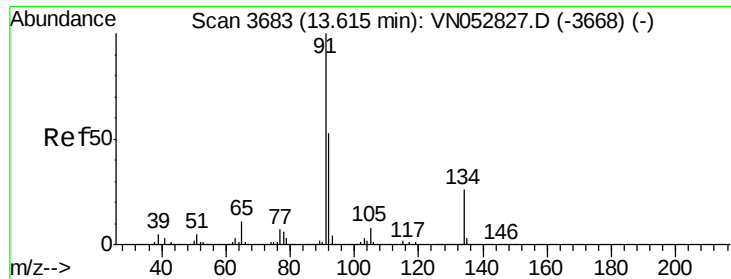
Tot Ion:146 Resp: 1186964
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.647 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion:146 Resp: 1165974
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 63.7 32.1 96.5

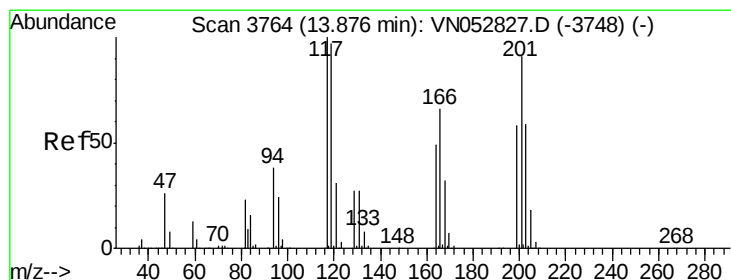
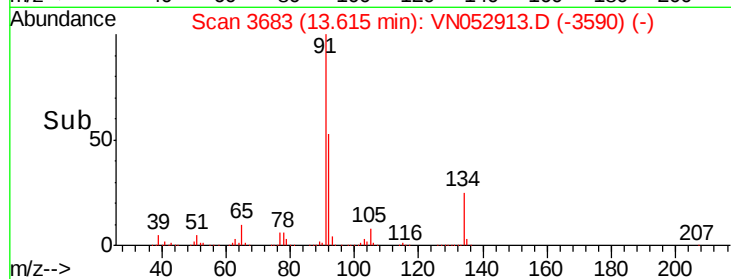
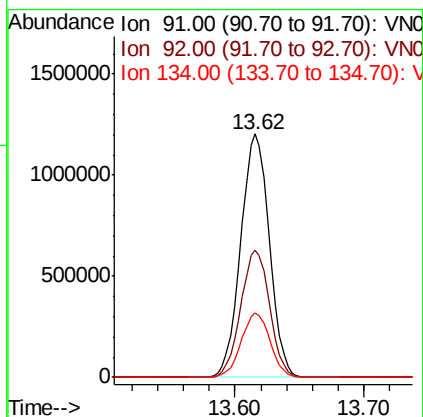
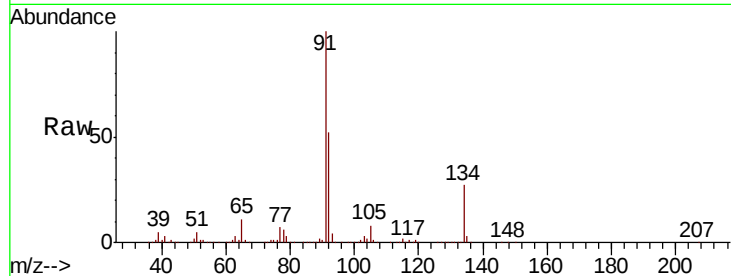




#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

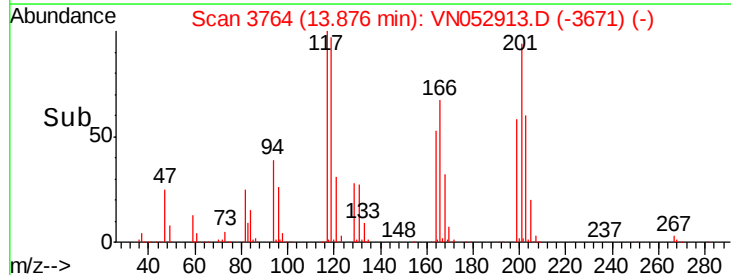
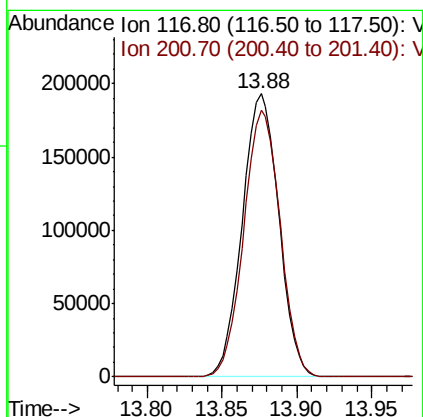
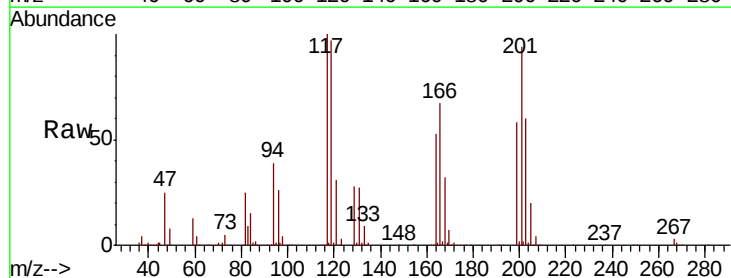
Instrument :
MSVOA_N
ClientSampleId :

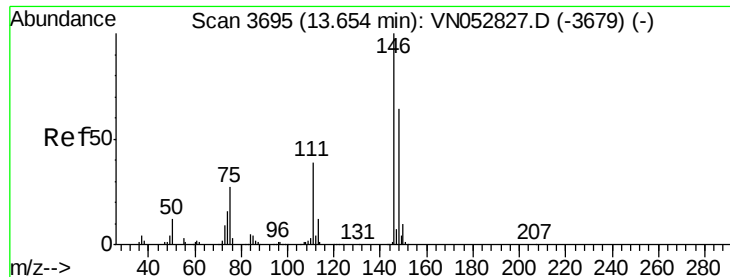
Tot Ion: 91 Resp: 1855408
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 26.7 13.3 39.8



#90
Hexachloroethane
Concen: 44.853 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052913.D
Acq: 15 Dec 2018 2:13

Tgt Ion: 117 Resp: 329250
Ion Ratio Lower Upper
117 100
201 93.6 45.7 137.1

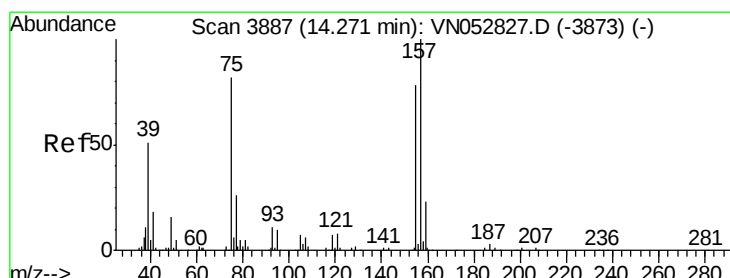
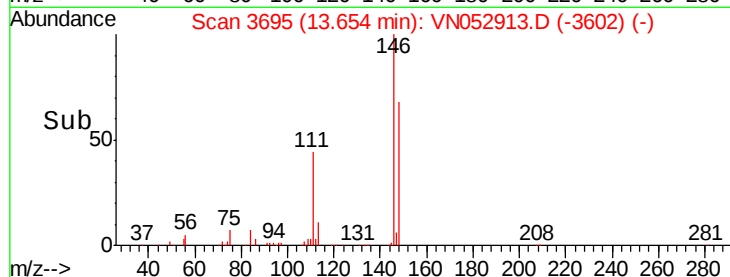
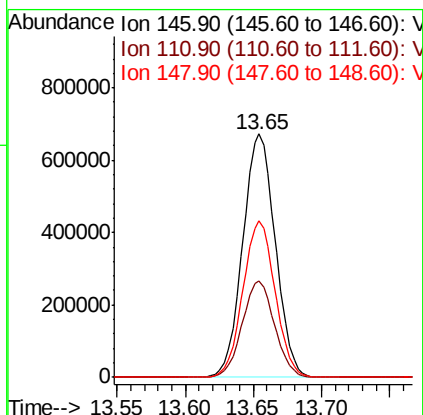
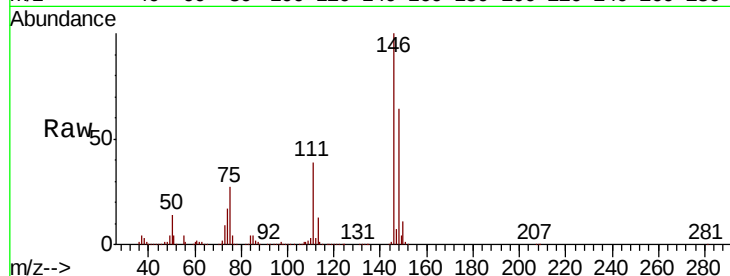




#91
 1,2-Dichlorobenzene
 Concen: 48.646 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

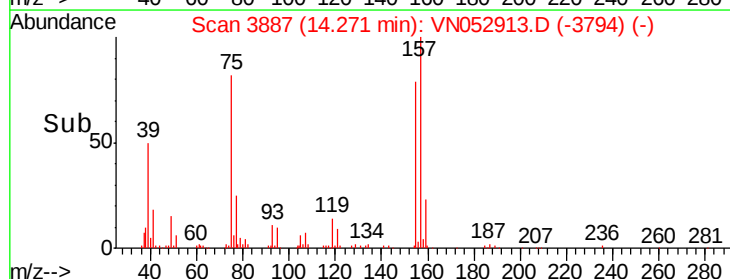
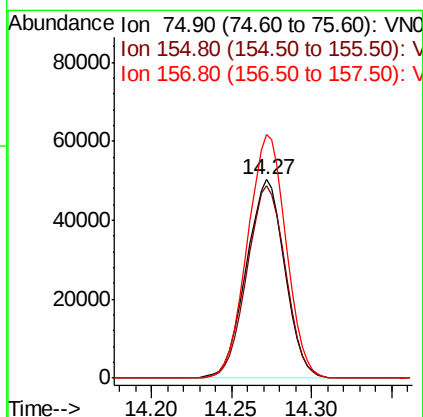
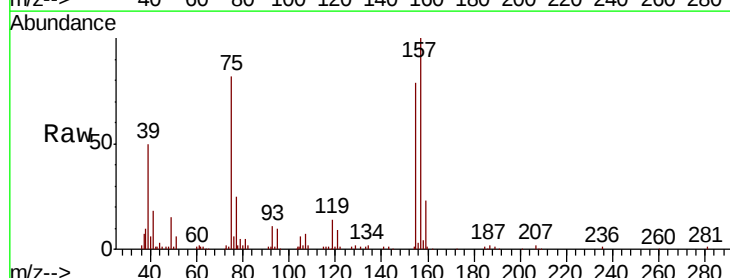
Instrument :
 MSVOA_N
 ClientSampleId :

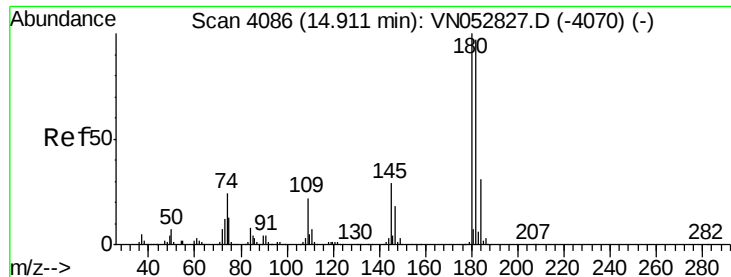
Tot Ion:146 Resp: 1109747
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 63.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.782 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion: 75 Resp: 82923
 Ion Ratio Lower Upper
 75 100
 155 96.6 48.2 144.6
 157 122.5 61.2 183.5

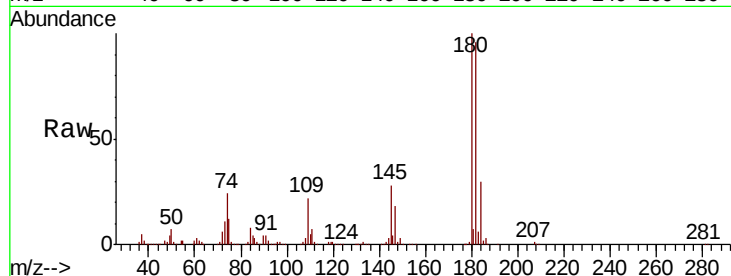




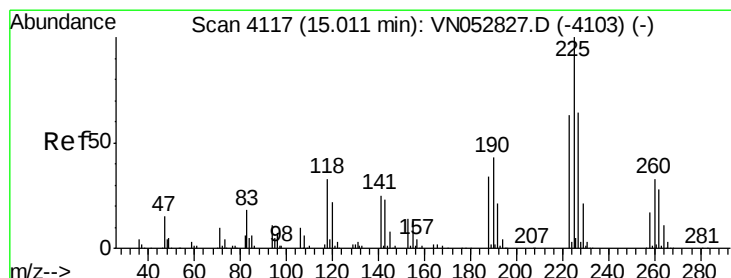
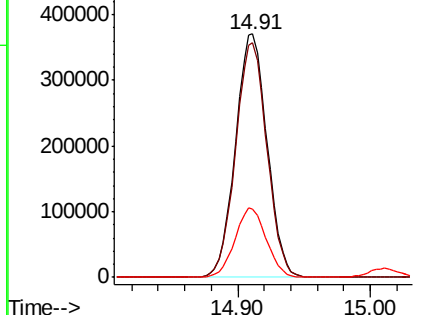
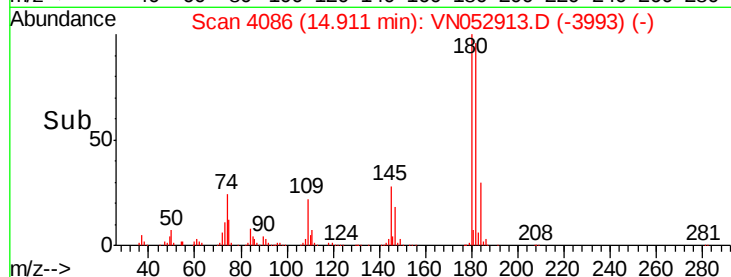
#93
 1,2,4-Trichlorobenzene
 Concen: 49.327 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 611673
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.3
 145 28.4 14.2 42.6

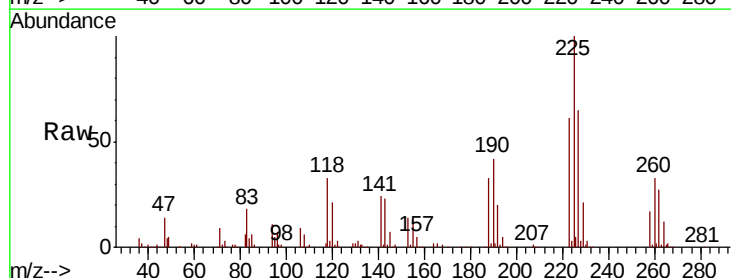


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

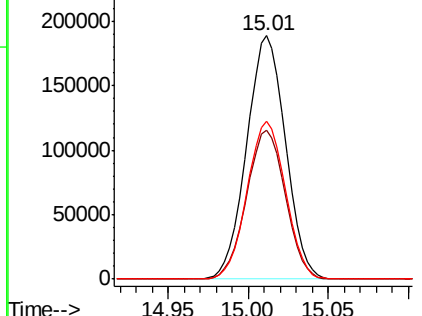
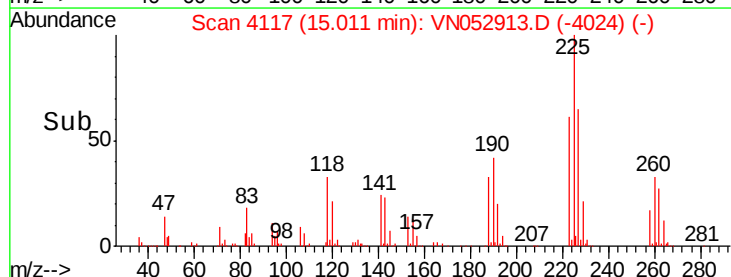


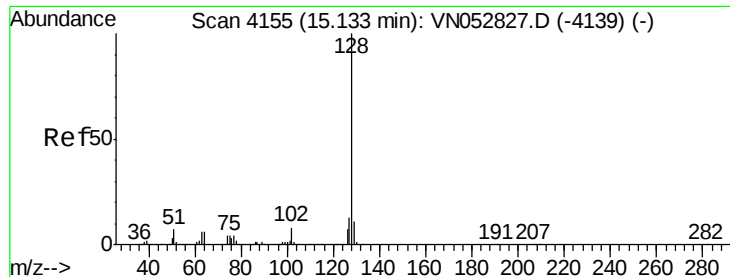
#94
 Hexachlorobutadiene
 Concen: 43.579 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052913.D
 Acq: 15 Dec 2018 2:13

Tgt Ion:225 Resp: 312794
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.5 94.5
 227 64.1 31.9 95.7



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





#95

Naphthalene

Concen: 51.852 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

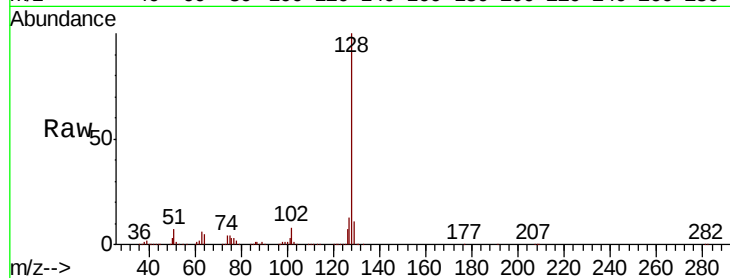
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1331724

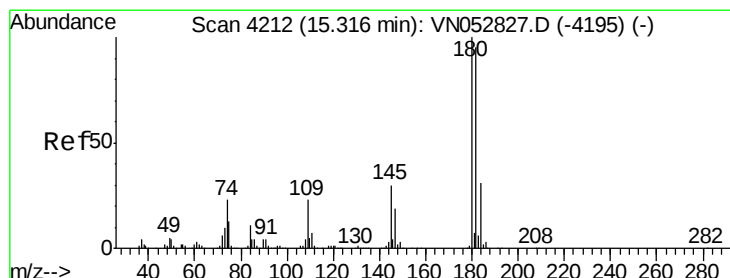
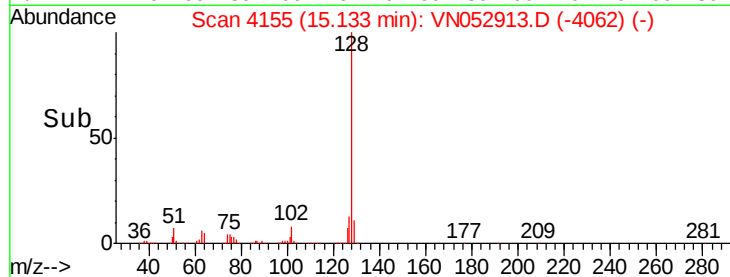
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0



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: 48.739 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052913.D

Acq: 15 Dec 2018 2:13

Tgt Ion:180 Resp: 554570

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	29.7	15.0	45.0

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

