

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052928.D
 Acq On : 17 Dec 2018 15:37
 Operator : MD\SY
 Sample : VN1217WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:44:54 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	1046647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1631663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	677416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	561103	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	457987	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	1980621	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	675931	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	206212	19.139	ug/l 99
3) Chloromethane	2.06	50	252103	19.496	ug/l 99
4) Vinyl Chloride	2.19	62	248654	19.220	ug/l 100
5) Bromomethane	2.57	94	154110	19.314	ug/l 98
6) Chloroethane	2.71	64	146351	19.139	ug/l 98
7) Trichlorofluoromethane	3.03	101	308077	19.208	ug/l 98
8) Diethyl Ether	3.41	74	115433	19.730	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	193445	19.460	ug/l 99
10) Methyl Iodide	3.96	142	278631	20.015	ug/l 99
11) Tert butyl alcohol	4.77	59	58755	94.487	ug/l 98
12) 1,1-Dichloroethene	3.74	96	186843	19.417	ug/l 99
13) Acrolein	3.61	56	28619	48.883	ug/l 100
14) Allyl chloride	4.33	41	294224	18.720	ug/l 99
15) Acrylonitrile	4.99	53	343543	98.478	ug/l 99
16) Acetone	3.81	43	231302	92.541	ug/l 100
17) Carbon Disulfide	4.06	76	560714	18.968	ug/l 100
18) Methyl Acetate	4.32	43	194937	21.251	ug/l 98
19) Methyl tert-butyl Ether	5.04	73	514726	19.703	ug/l 97
20) Methylene Chloride	4.55	84	214470	19.067	ug/l 99
21) trans-1,2-Dichloroethene	5.05	96	195416	18.744	ug/l 97
22) Diisopropyl ether	5.95	45	661824	19.738	ug/l 99
23) Vinyl Acetate	5.90	43	2072575	103.877	ug/l 100
24) 1,1-Dichloroethane	5.85	63	379303	19.616	ug/l 100
25) 2-Butanone	6.83	43	356539	91.932	ug/l 98
26) 2,2-Dichloropropane	6.83	77	257731	18.100	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	230224	19.457	ug/l 100
28) Bromochloromethane	7.19	49	187833	21.633	ug/l 99
29) Tetrahydrofuran	7.21	42	251172	94.866	ug/l 100
30) Chloroform	7.37	83	366375	19.430	ug/l 98
31) Cyclohexane	7.66	56	361706	18.818	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	304435	19.297	ug/l 98
36) 1,1-Dichloropropene	7.79	75	282872	18.826	ug/l 99
37) Ethyl Acetate	6.93	43	165026	18.283	ug/l 98
38) Carbon Tetrachloride	7.78	117	259424	18.758	ug/l 98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	342464	18.573	ug/l	99
40) Benzene	8.04	78	866498	19.214	ug/l	97
41) Methacrylonitrile	7.17	41	110778	22.150	ug/l	87
42) 1,2-Dichloroethane	8.12	62	256157	18.868	ug/l	99
43) Isopropyl Acetate	8.17	43	468069	25.292	ug/l #	87
44) Trichloroethene	8.84	130	234425	19.245	ug/l	95
45) 1,2-Dichloropropane	9.12	63	231678	19.614	ug/l	99
46) Dibromomethane	9.21	93	131066	19.133	ug/l	99
47) Bromodichloromethane	9.40	83	281226	19.797	ug/l	99
48) Methyl methacrylate	9.20	41	159780	19.687	ug/l	99
49) 1,4-Dioxane	9.20	88	30094	326.674	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	816114	96.172	ug/l	99
52) Toluene	10.16	92	534554	19.571	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	295775	20.691	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	333033	19.551	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186936	19.173	ug/l	99
56) Ethyl methacrylate	10.43	69	257899	20.611	ug/l	99
57) 1,3-Dichloropropane	10.71	76	326060	19.501	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	707308	101.307	ug/l	99
59) 2-Hexanone	10.75	43	552957	95.081	ug/l	98
60) Dibromochloromethane	10.90	129	204830	19.438	ug/l	99
61) 1,2-Dibromoethane	11.00	107	187281	19.432	ug/l	99
64) Tetrachloroethene	10.63	164	246321	19.891	ug/l	97
65) Chlorobenzene	11.43	112	584256	19.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	207842	19.992	ug/l	100
67) Ethyl Benzene	11.51	91	1004693	19.572	ug/l	99
68) m/p-Xylenes	11.62	106	762426	39.554	ug/l	100
69) o-Xylene	11.95	106	373716	19.855	ug/l	99
70) Styrene	11.96	104	615889	20.355	ug/l	100
71) Bromoform	12.13	173	134855	19.094	ug/l #	99
73) Isopropylbenzene	12.25	105	987930	19.533	ug/l	100
74) N-amyl acetate	12.07	43	304453	21.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219660	19.378	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	285428	28.558	ug/l #	100
77) Bromobenzene	12.53	156	256059	19.904	ug/l	97
78) n-propylbenzene	12.59	91	1123916	19.484	ug/l	99
79) 2-Chlorotoluene	12.67	91	661227	19.390	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	805970	19.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65276	20.981	ug/l	98
82) 4-Chlorotoluene	12.77	91	680630	19.521	ug/l	100
83) tert-Butylbenzene	12.99	119	713333	19.806	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	821952	19.886	ug/l	99
85) sec-Butylbenzene	13.17	105	951604	19.509	ug/l	100
86) p-Isopropyltoluene	13.29	119	829817	19.636	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	439593	19.229	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	439902	19.431	ug/l	100
89) n-Butylbenzene	13.62	91	704267	19.797	ug/l	100
90) Hexachloroethane	13.88	117	117058	16.542	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	428447	19.483	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35775	20.937	ug/l	97

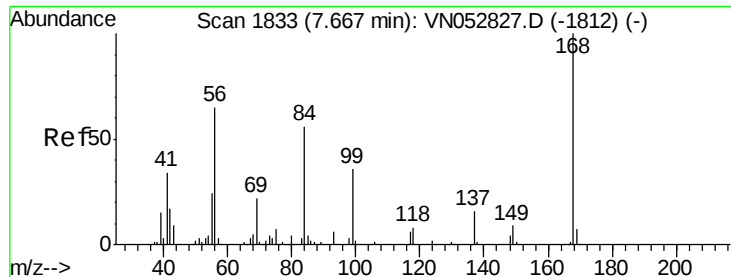
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236808	19.810	ug/l	100
94) Hexachlorobutadiene	15.01	225	130397	18.846	ug/l	99
95) Naphthalene	15.13	128	525523	21.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	208253	18.986	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

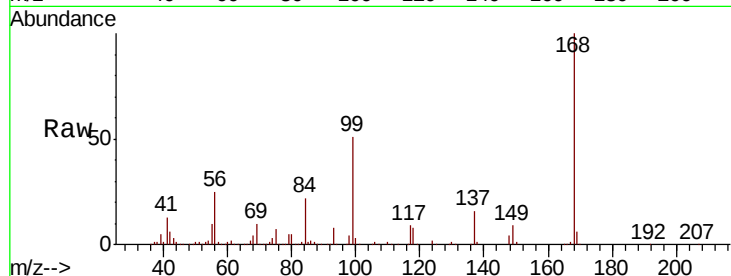
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1046647

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

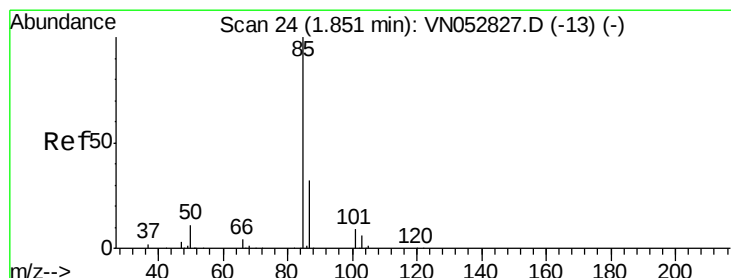
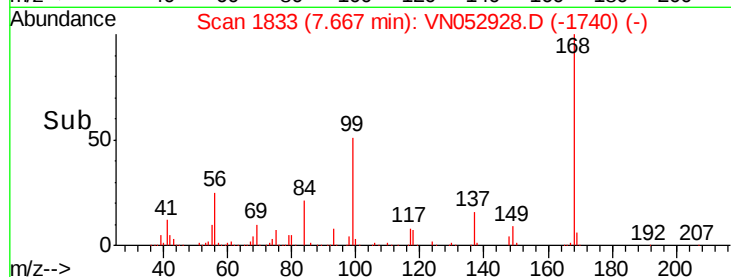
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.139 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052928.D

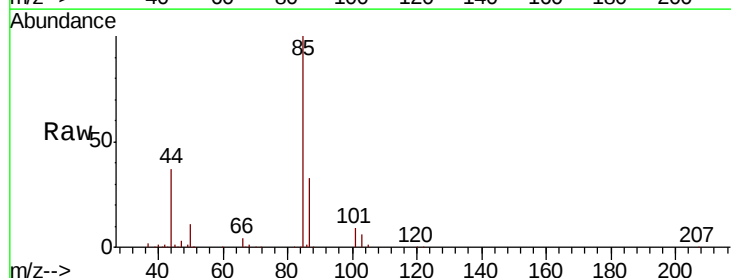
Acq: 17 Dec 2018 15:37

Tgt Ion: 85 Resp: 206212

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

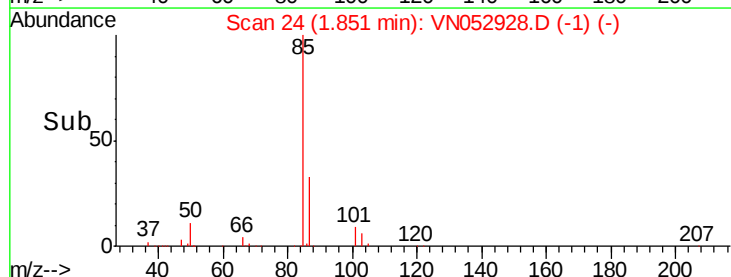
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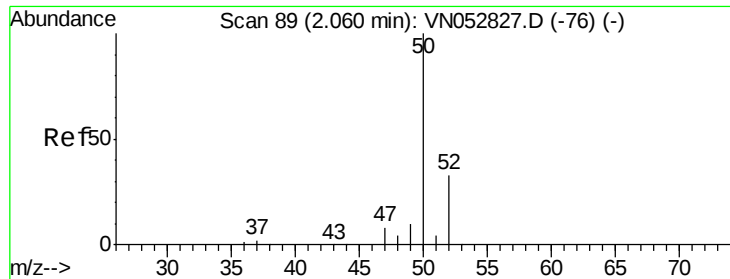
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.496 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

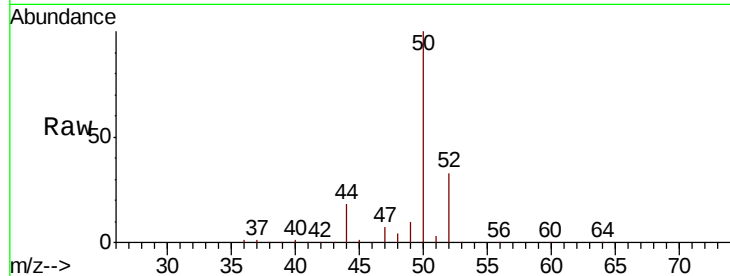
ClientSampleId :

Tot Ion: 50 Resp: 252103

Ion Ratio Lower Upper

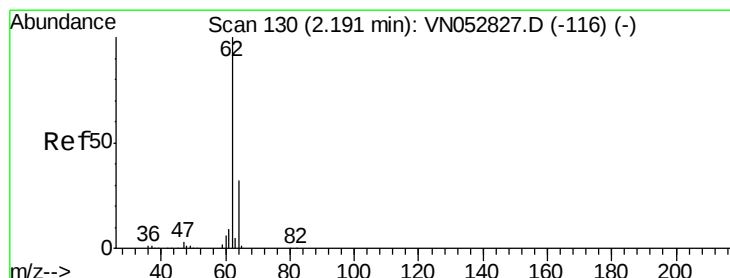
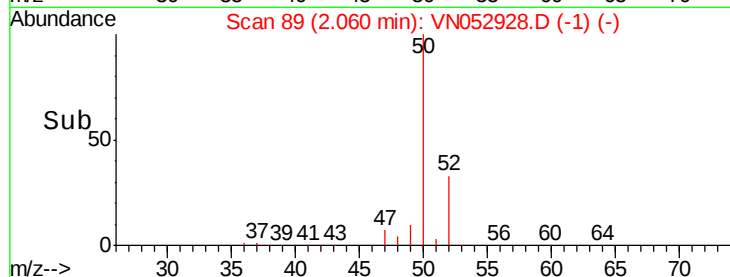
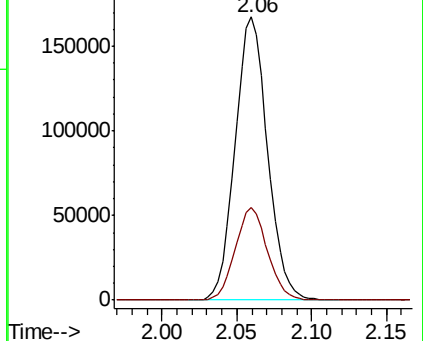
50 100

52 32.5 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: 19.220 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052928.D

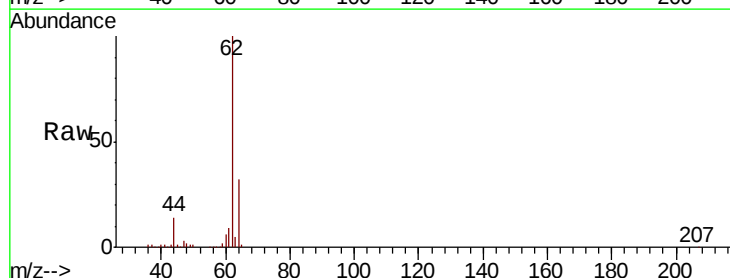
Acq: 17 Dec 2018 15:37

Tgt Ion: 62 Resp: 248654

Ion Ratio Lower Upper

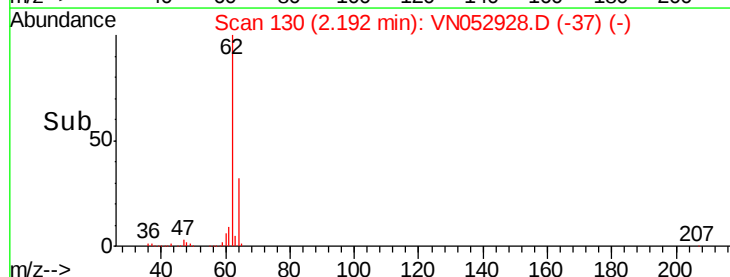
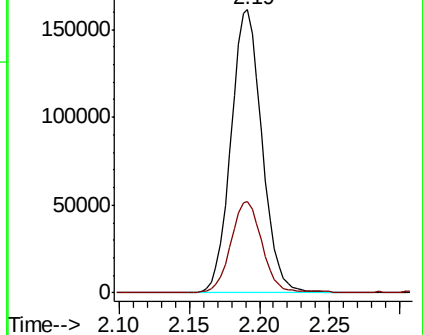
62 100

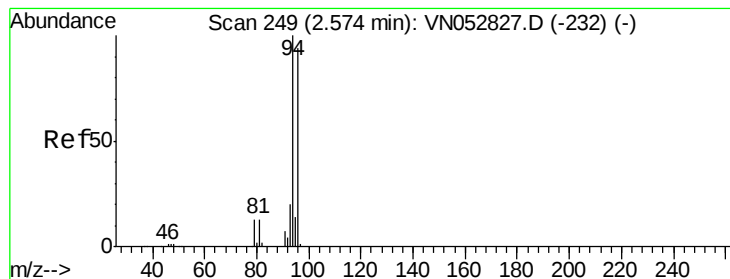
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

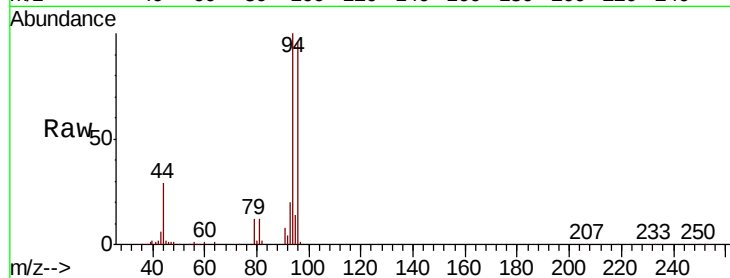
ClientSampled :

Tot Ion: 94 Resp: 154110

Ion Ratio Lower Upper

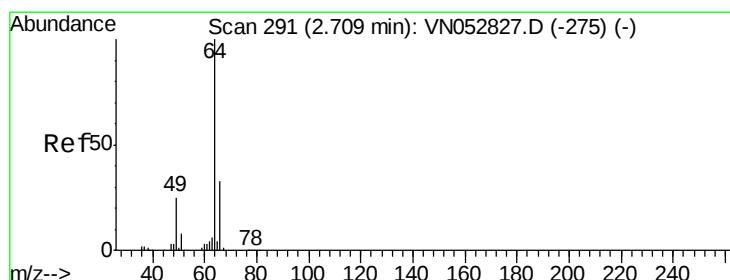
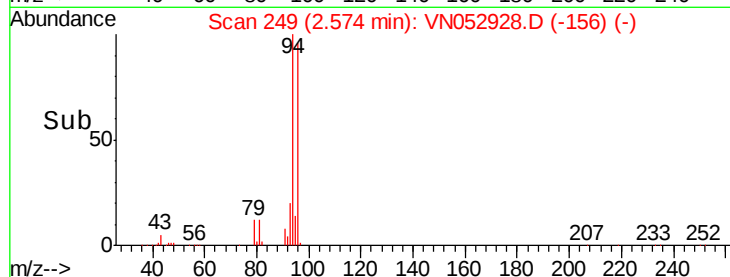
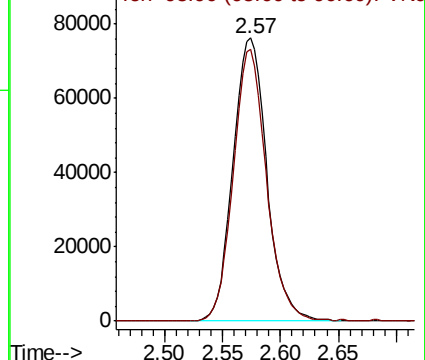
94 100

96 96.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.139 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052928.D

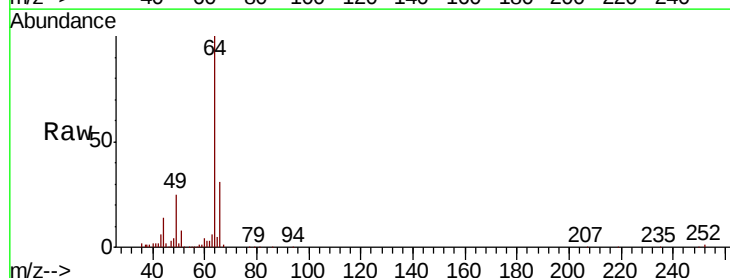
Acq: 17 Dec 2018 15:37

Tgt Ion: 64 Resp: 146351

Ion Ratio Lower Upper

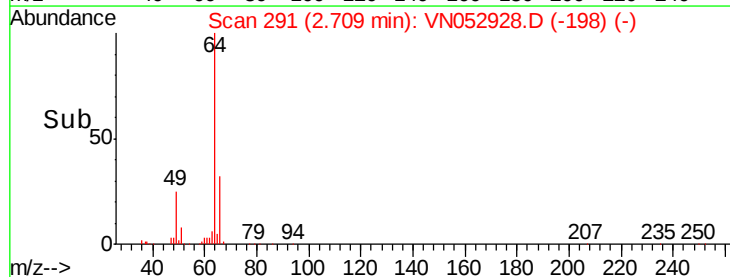
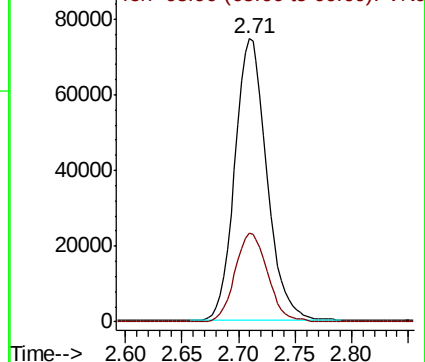
64 100

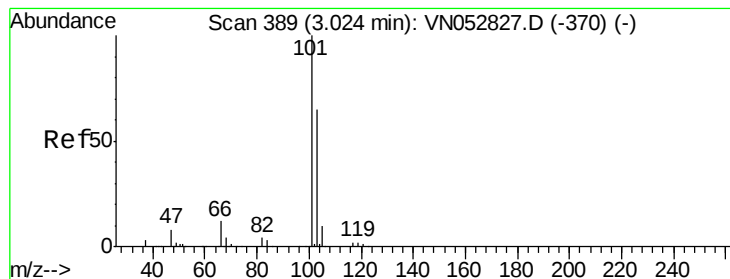
66 31.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



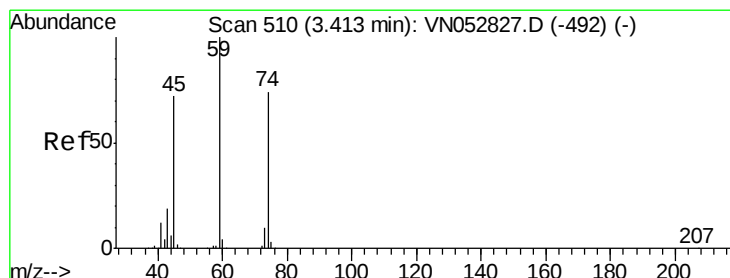
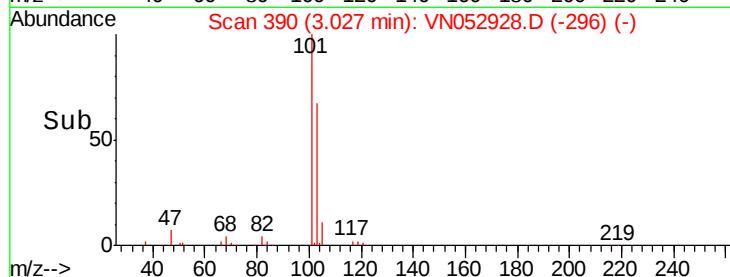
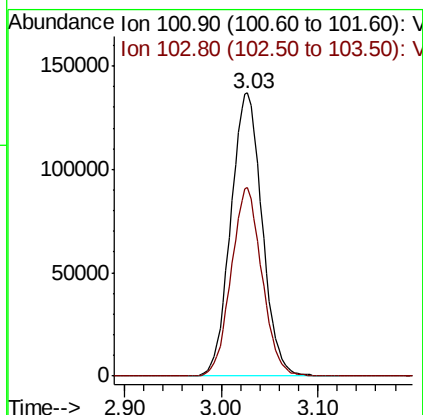
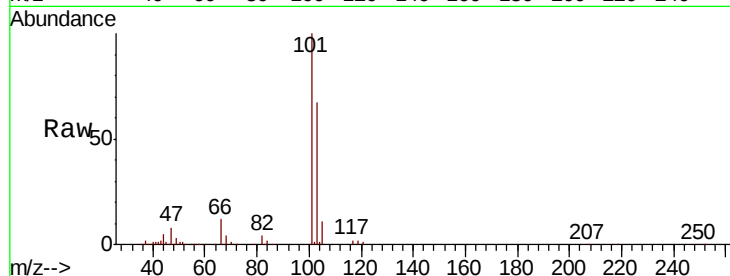


#7

Trichlorofluoromethane
 Concen: 19.208 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampled :

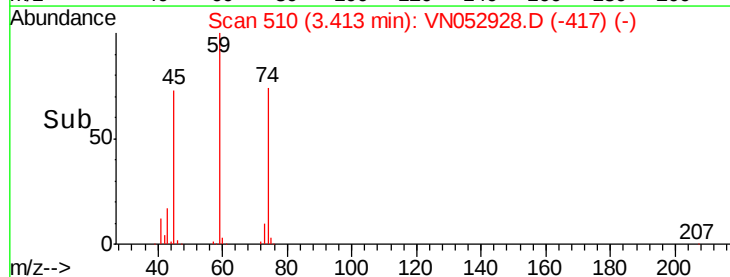
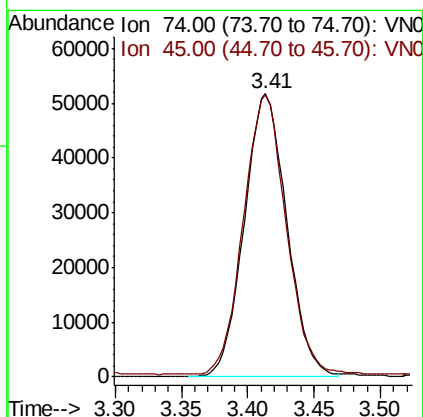
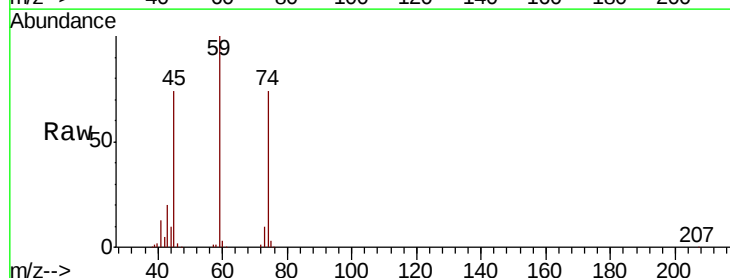
Tot Ion:101 Resp: 308077
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.8 77.6

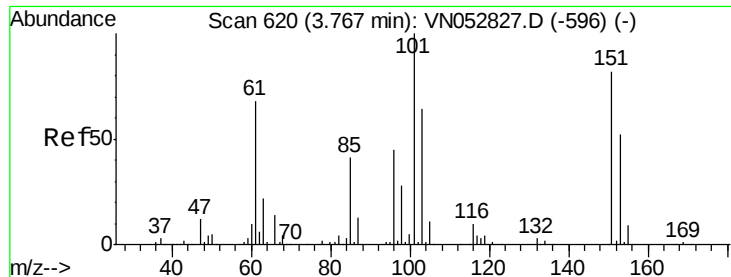


#8

Diethyl Ether
 Concen: 19.730 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 74 Resp: 115433
 Ion Ratio Lower Upper
 74 100
 45 98.0 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.460 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

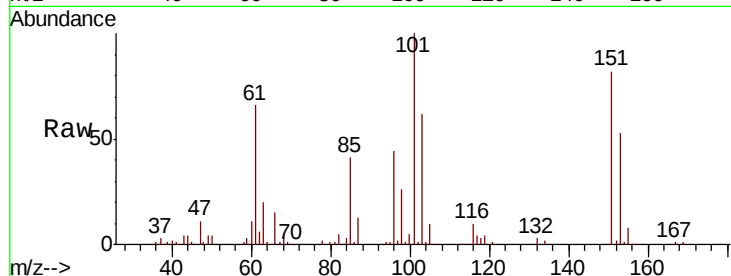
Tot Ion:101 Resp: 193445

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

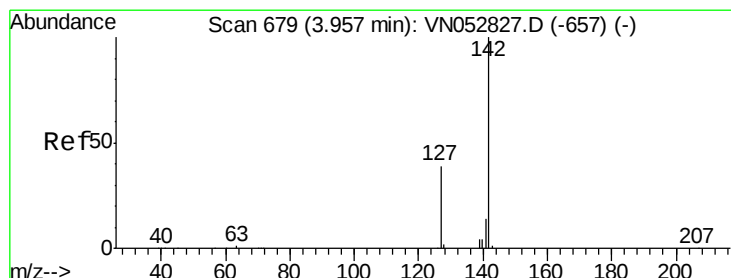
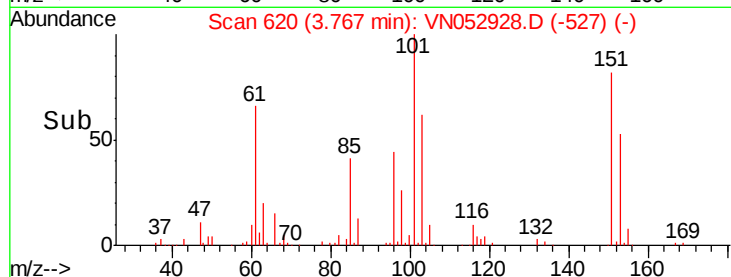
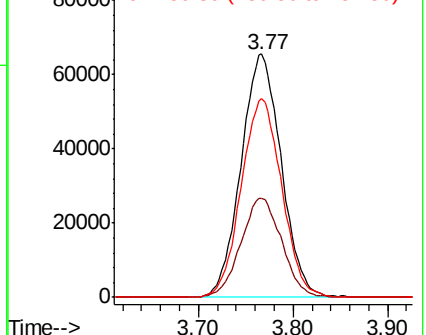
151 82.2 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.015 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

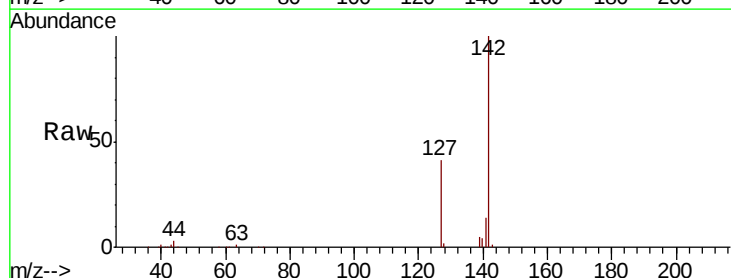
Tgt Ion:142 Resp: 278631

Ion Ratio Lower Upper

142 100

127 39.7 31.0 46.6

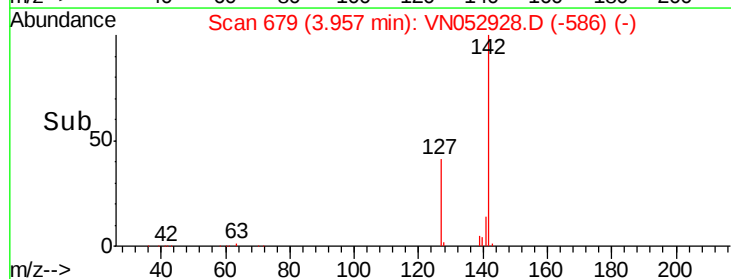
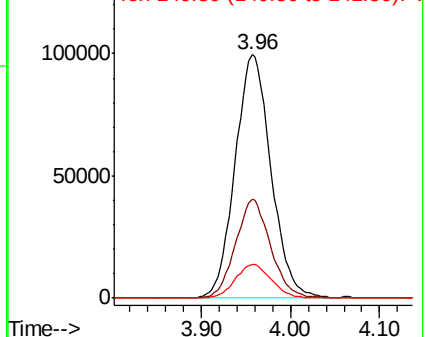
141 13.8 11.2 16.8

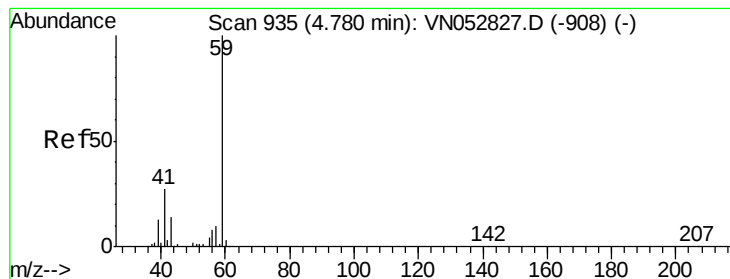


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.487 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

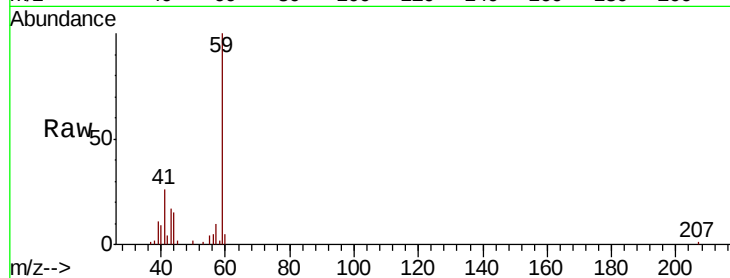
ClientSampleId :

Tot Ion: 59 Resp: 58755

Ion Ratio Lower Upper

59 100

57 10.5 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN052928.D (-842) (-)

Ion 57.00 (56.70 to 57.70): VN052928.D (-842) (-)

4.77

15000

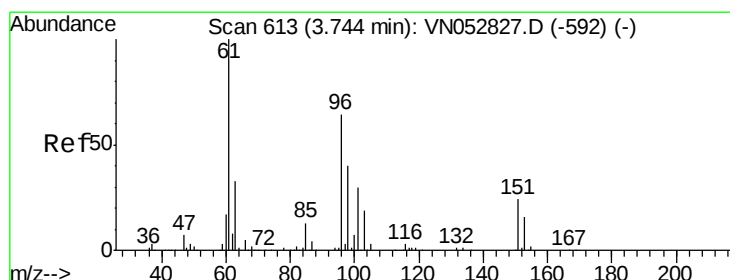
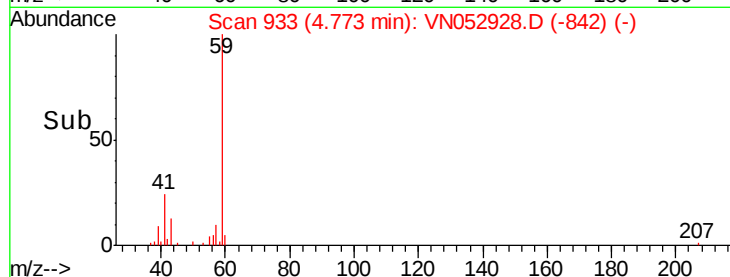
10000

5000

0

Time-->

4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 19.417 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

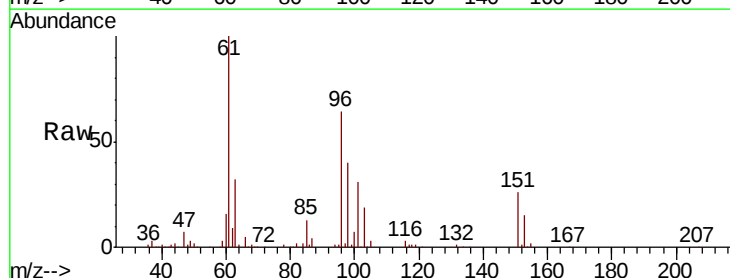
Tgt Ion: 96 Resp: 186843

Ion Ratio Lower Upper

96 100

61 155.2 125.6 188.4

98 62.5 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN052928.D (-520) (-)

Ion 60.90 (60.60 to 61.60): VN052928.D (-520) (-)

Ion 97.90 (97.60 to 98.60): VN052928.D (-520) (-)

150000

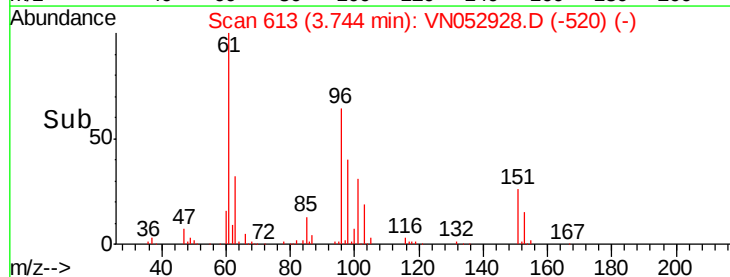
100000

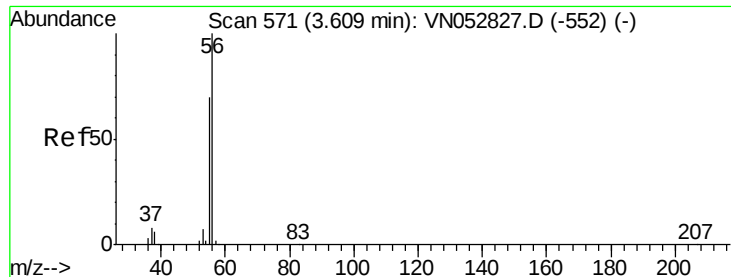
50000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 48.883 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

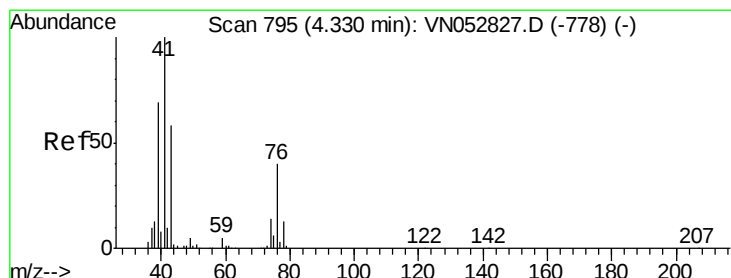
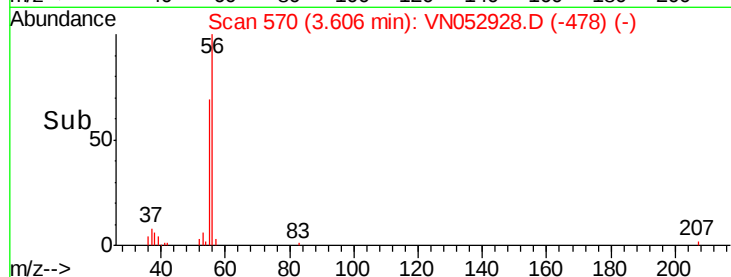
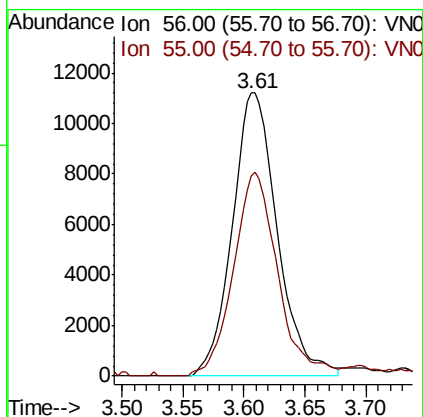
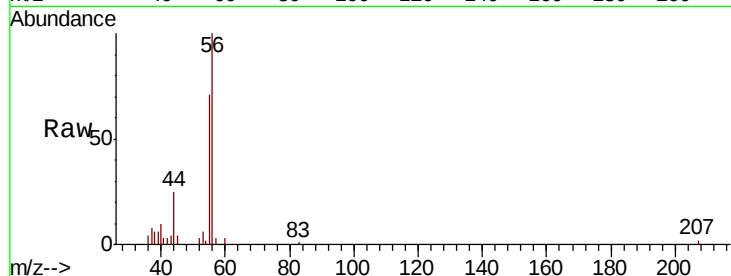
ClientSampleId :

Tot Ion: 56 Resp: 28619

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



#14

Allyl chloride

Concen: 18.720 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

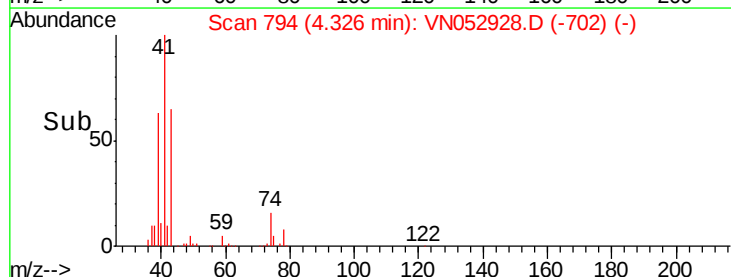
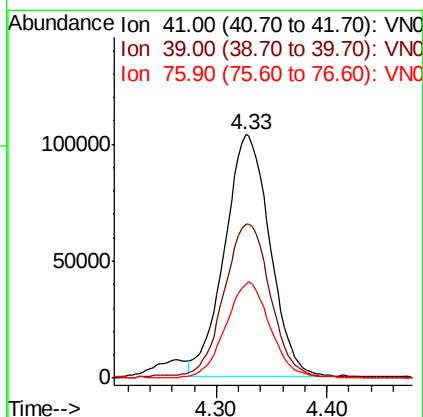
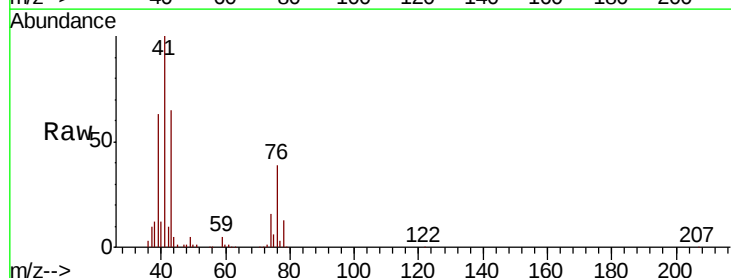
Tgt Ion: 41 Resp: 294224

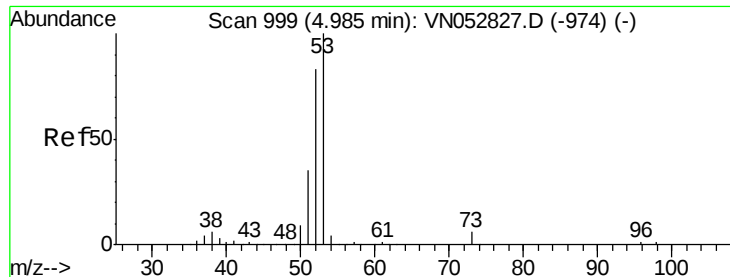
Ion Ratio Lower Upper

41 100

39 66.4 54.1 81.1

76 38.4 30.3 45.5





#15

Acrylonitrile

Concen: 98.478 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

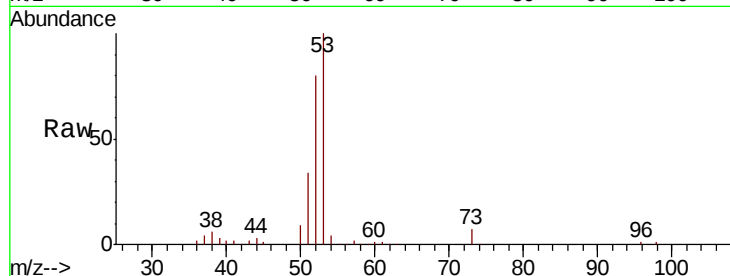
Tot Ion: 53 Resp: 343543

Ion Ratio Lower Upper

53 100

52 80.5 65.1 97.7

51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052928.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN052928.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN052928.D (-974) (-)

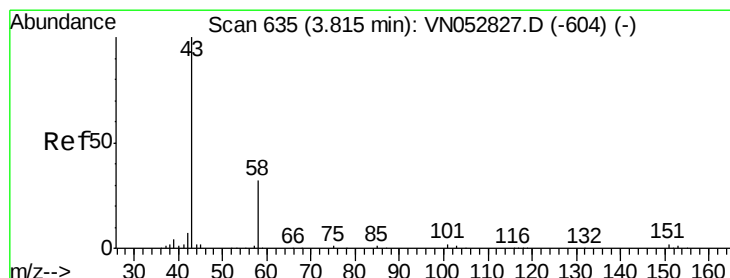
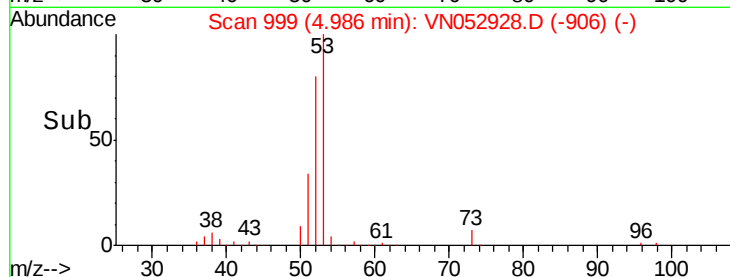
4.99

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 92.541 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052928.D

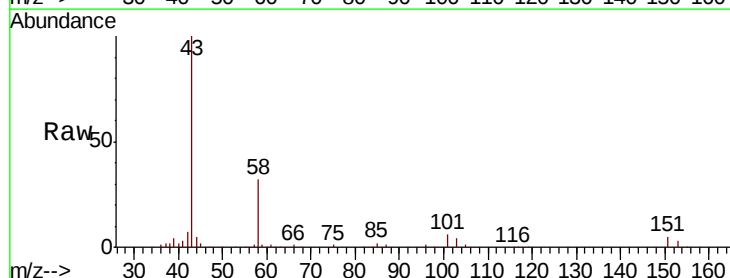
Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 231302

Ion Ratio Lower Upper

43 100

58 31.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052928.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052928.D (-542) (-)

3.81

100000

80000

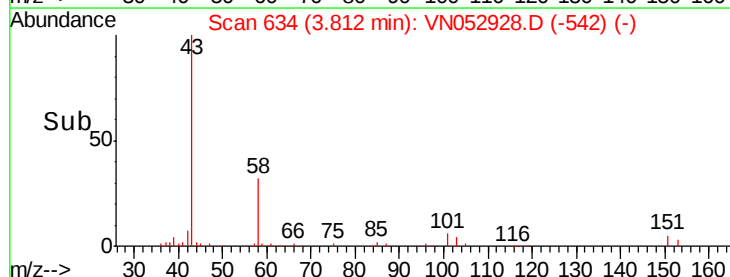
60000

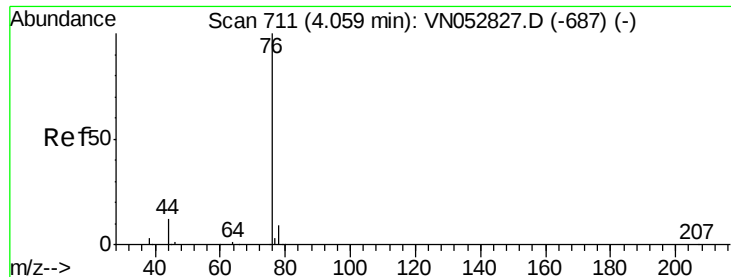
40000

20000

0

Time--> 3.70 3.80 3.90

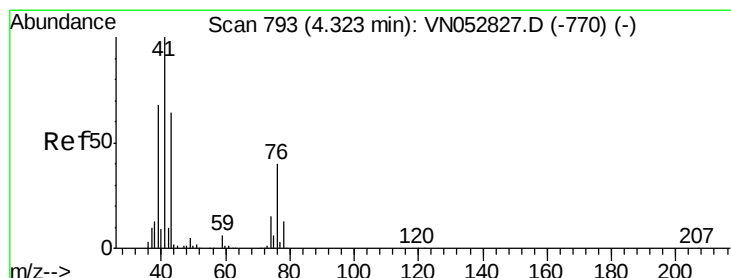
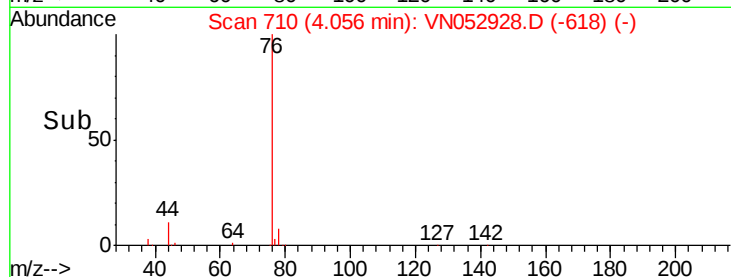
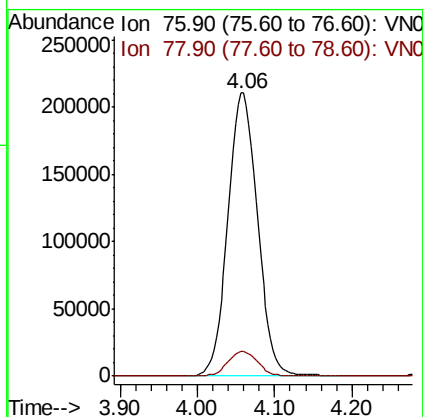
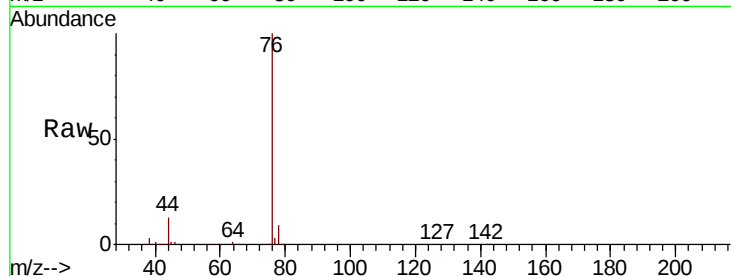




#17
Carbon Disulfide
Concen: 18.968 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

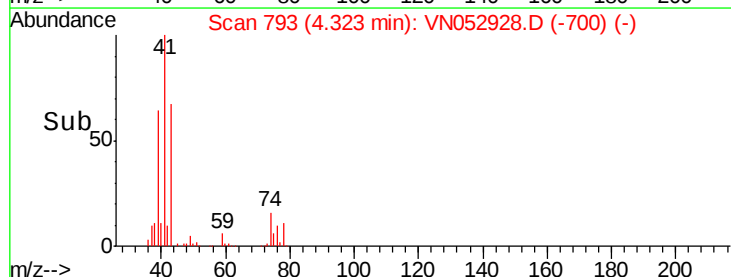
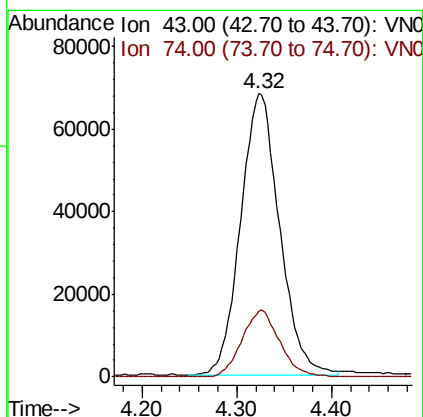
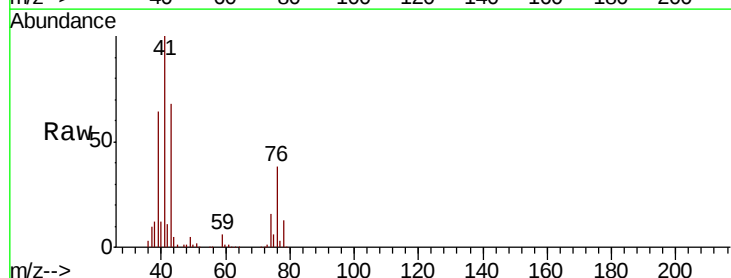
Instrument :
MSVOA_N
ClientSampleId :

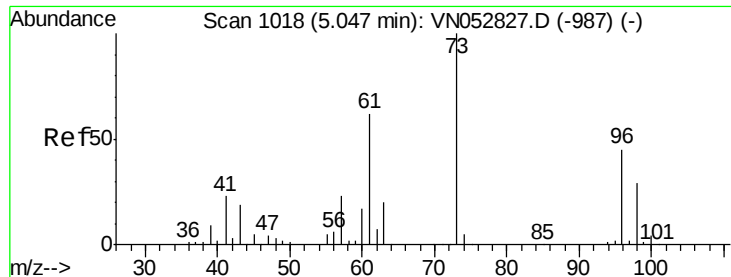
Tot Ion: 76 Resp: 560714
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 21.251 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 194937
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8

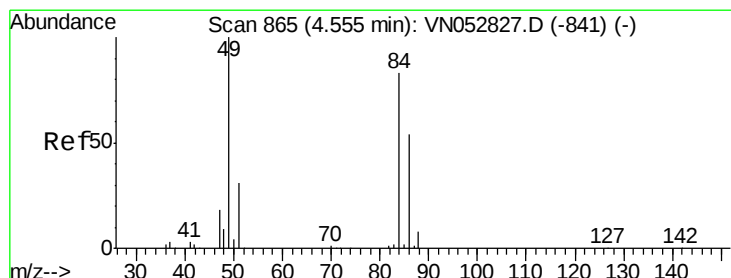
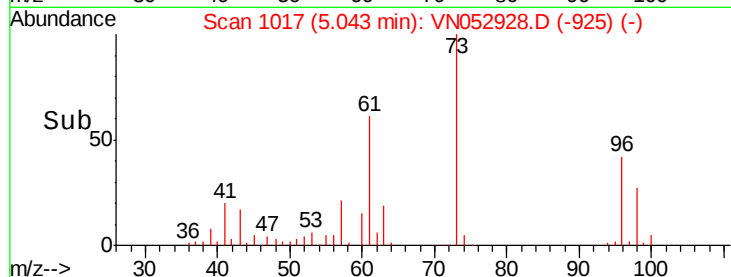
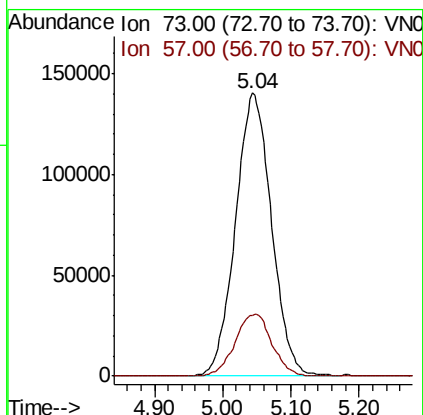
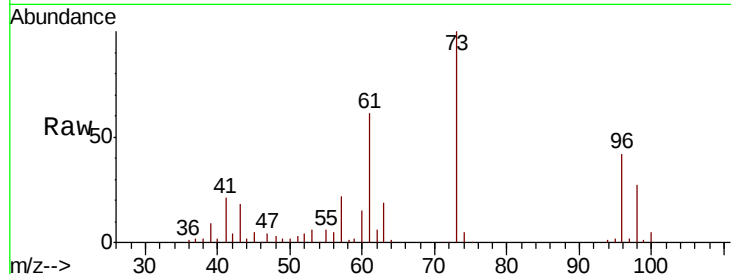




#19
Methyl tert-butyl Ether
Concen: 19.703 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

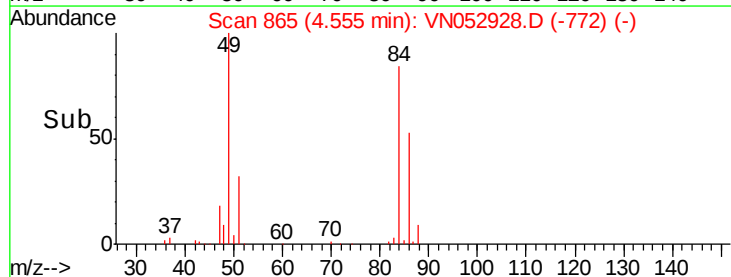
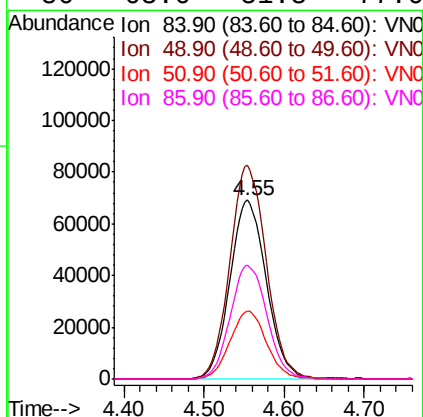
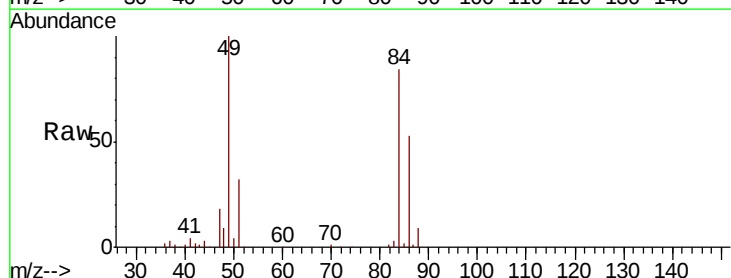
Instrument :
MSVOA_N
ClientSampled :

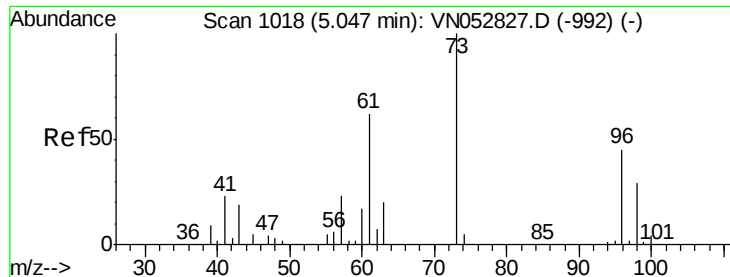
Tot Ion: 73 Resp: 514726
Ion Ratio Lower Upper
73 100
57 21.6 18.4 27.6



#20
Methylene Chloride
Concen: 19.067 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 84 Resp: 214470
Ion Ratio Lower Upper
84 100
49 119.6 96.8 145.2
51 38.2 29.9 44.9
86 63.6 51.8 77.6



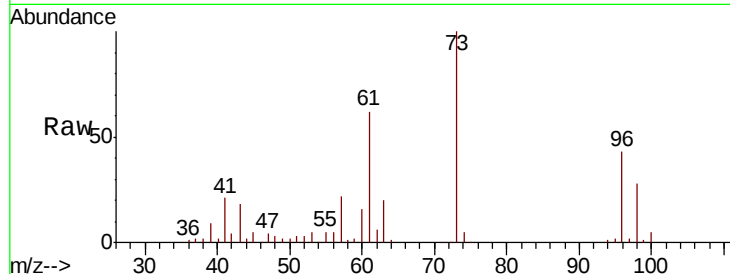


#21

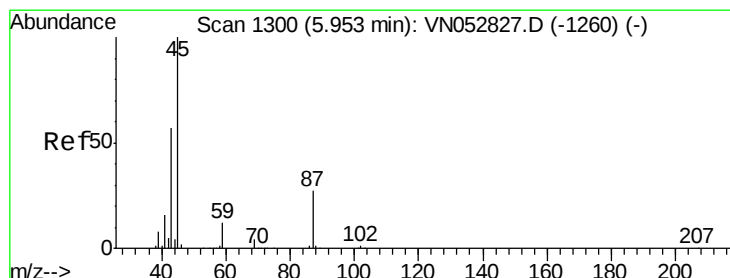
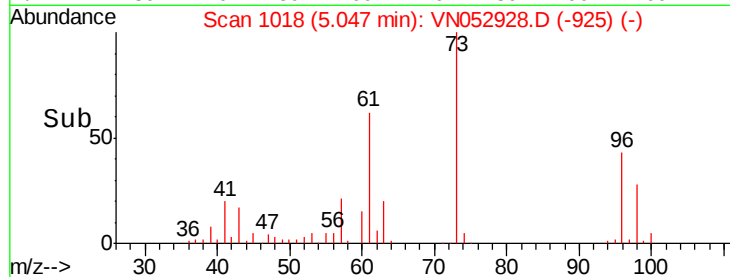
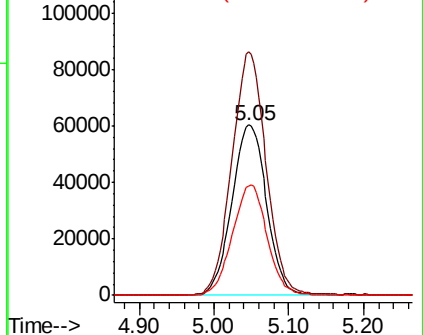
trans-1,2-Dichloroethene
Concen: 18.744 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 195416
Ion Ratio Lower Upper
96 100
61 143.0 110.8 166.2
98 64.5 51.4 77.2



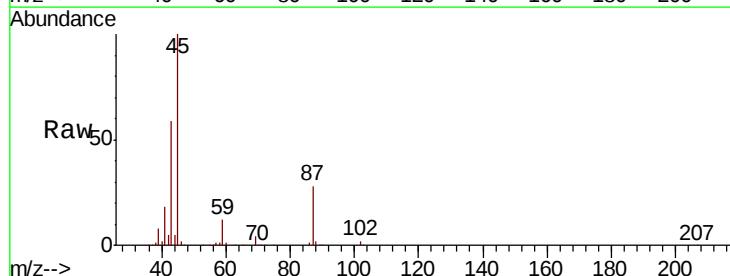
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



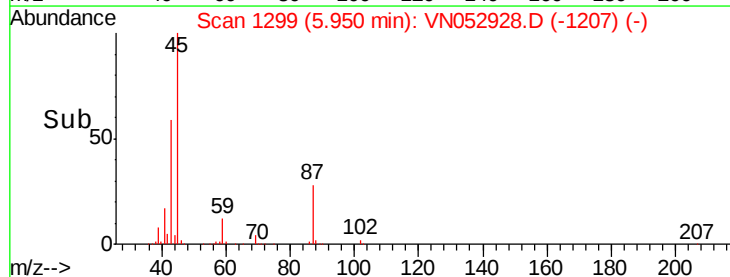
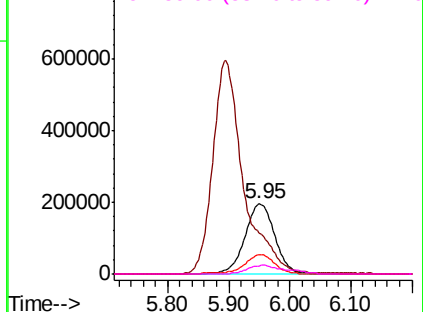
#22

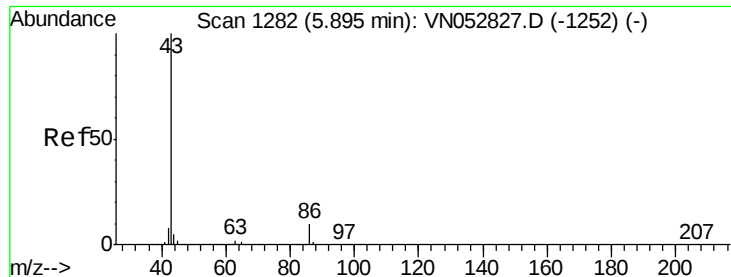
Diisopropyl ether
Concen: 19.738 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 45 Resp: 661824
Ion Ratio Lower Upper
45 100
43 58.2 45.5 68.3
87 28.0 22.0 33.0
59 11.6 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 103.877 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

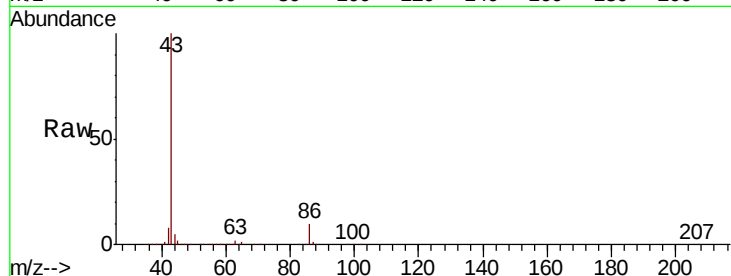
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2072575

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052928.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052928.D (-1189) (-)

5.90

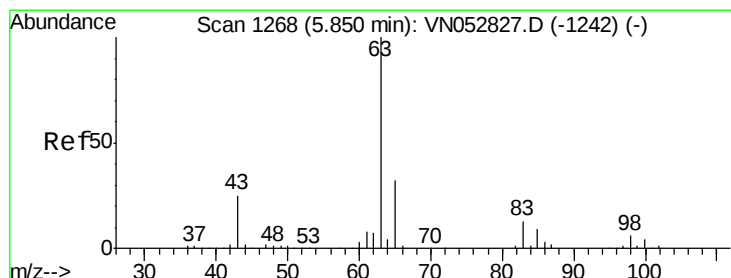
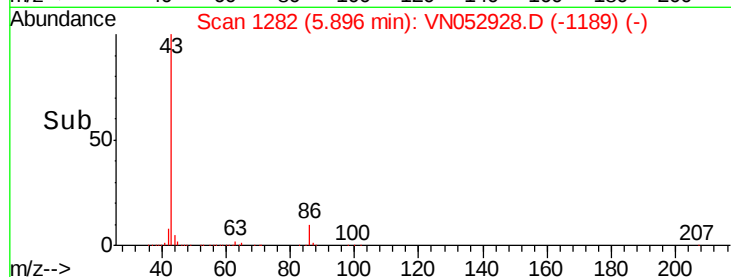
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.616 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

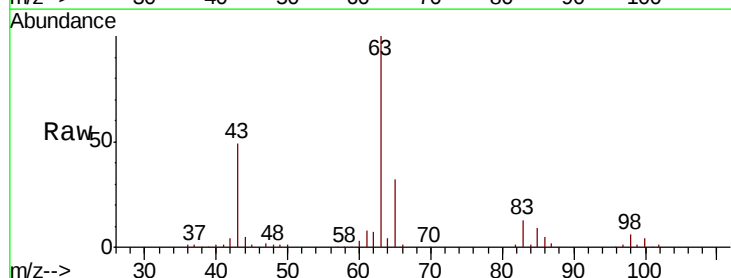
Tgt Ion: 63 Resp: 379303

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052928.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN052928.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN052928.D (-1175) (-)

5.85

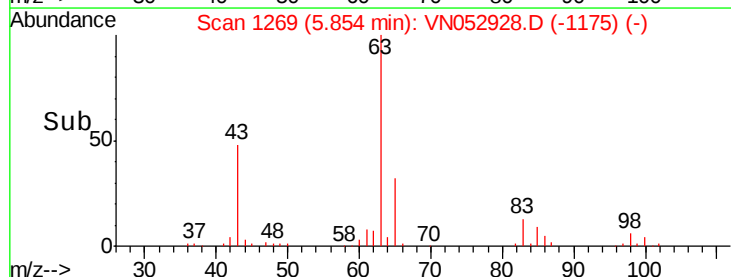
150000

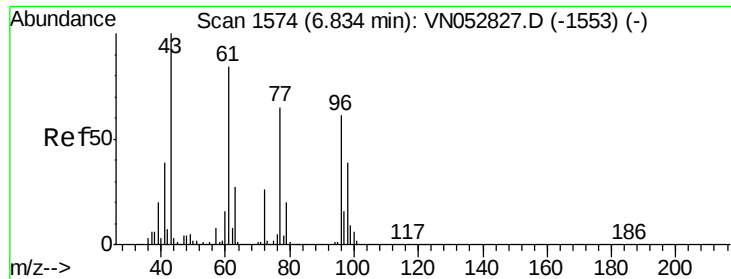
100000

50000

0

Time-->

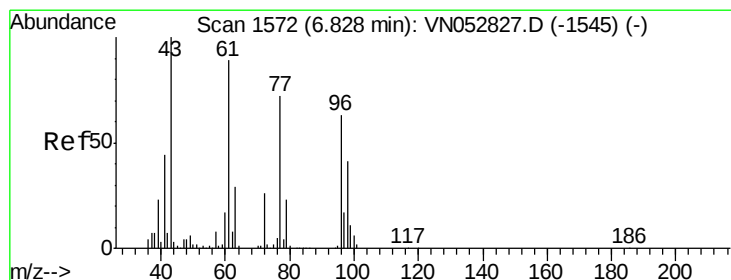
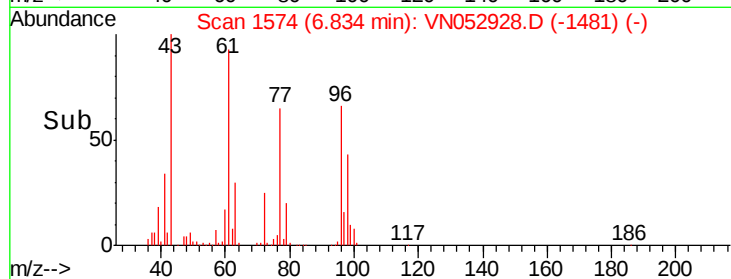
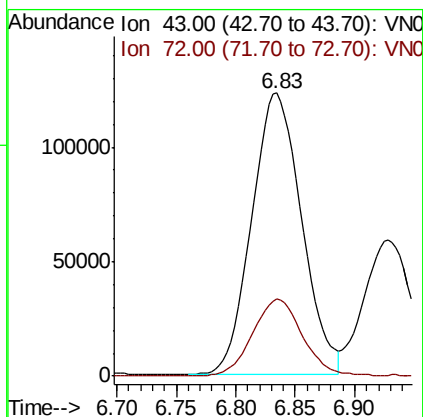
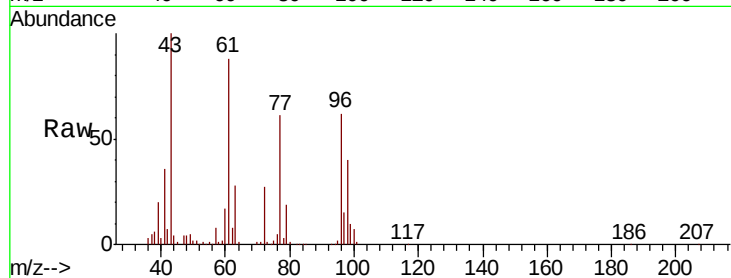




#25
2-Butanone
Concen: 91.932 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

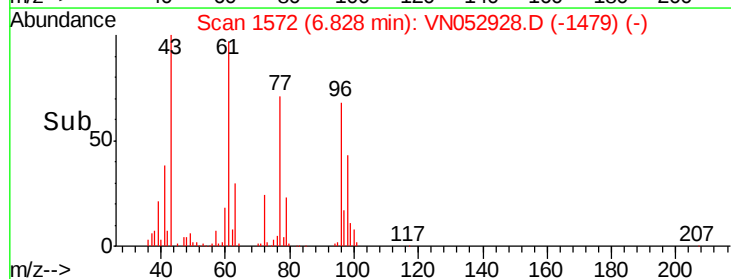
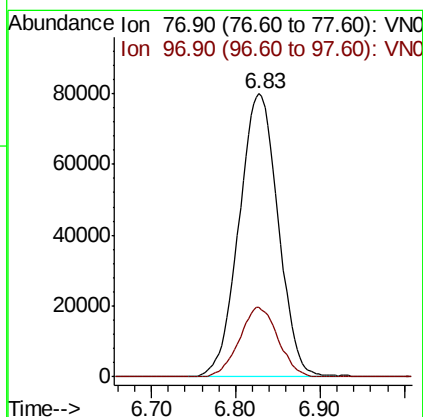
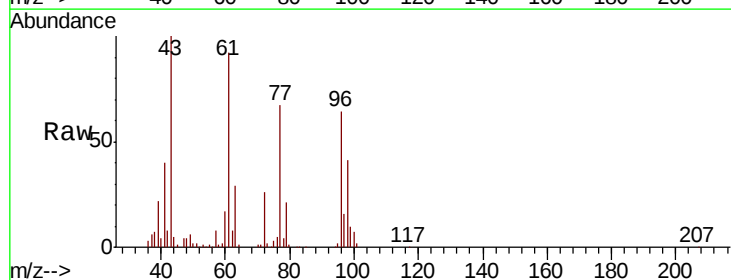
Instrument :
MSVOA_N
ClientSampled :

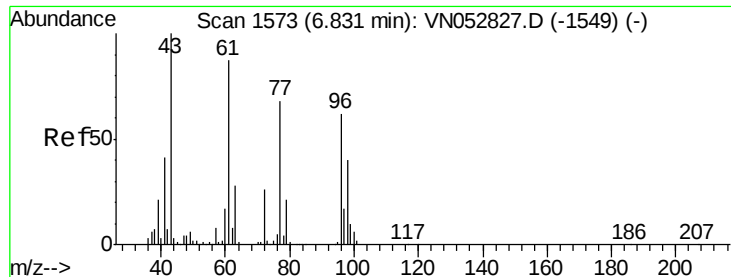
Tot Ion: 43 Resp: 356539
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 18.100 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 77 Resp: 257731
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.457 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampled :

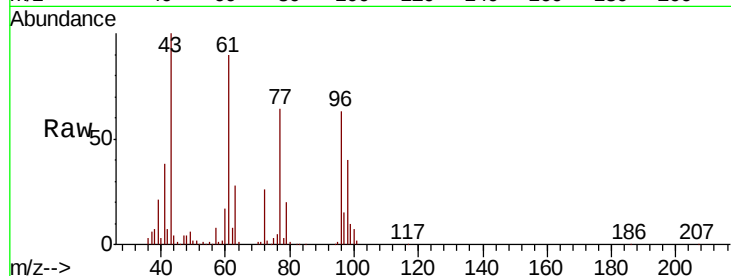
Tot Ion: 96 Resp: 230224

Ion Ratio Lower Upper

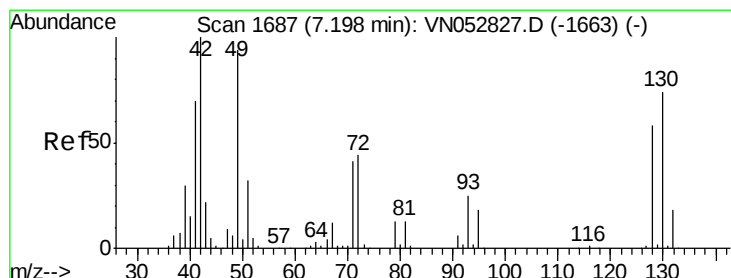
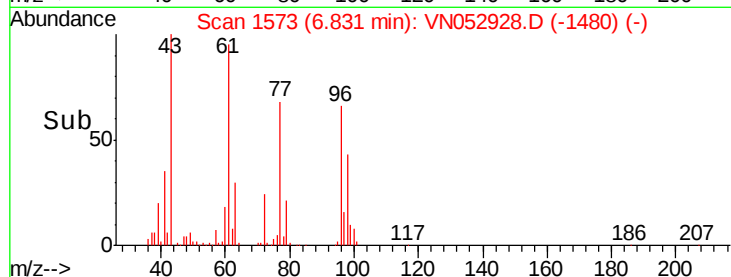
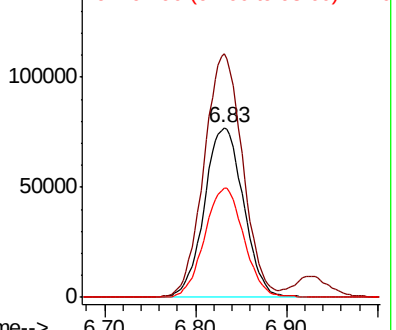
96 100

61 141.9 0.0 284.2

98 64.6 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: 21.633 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

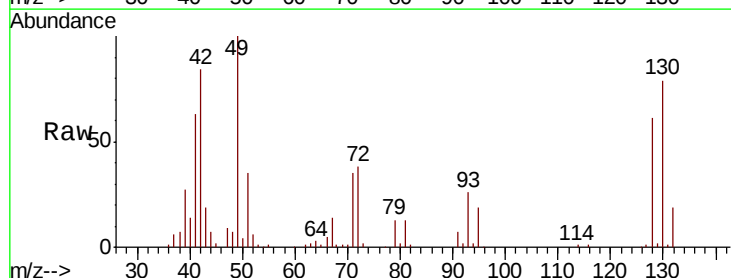
Tgt Ion: 49 Resp: 187833

Ion Ratio Lower Upper

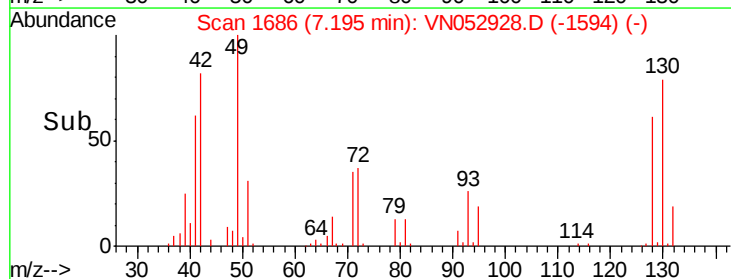
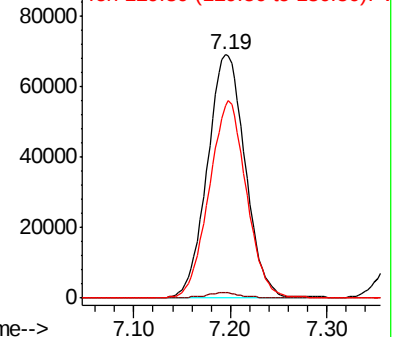
49 100

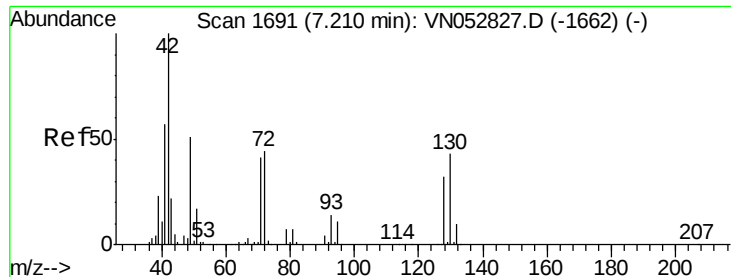
129 2.0 0.0 4.0

130 79.9 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

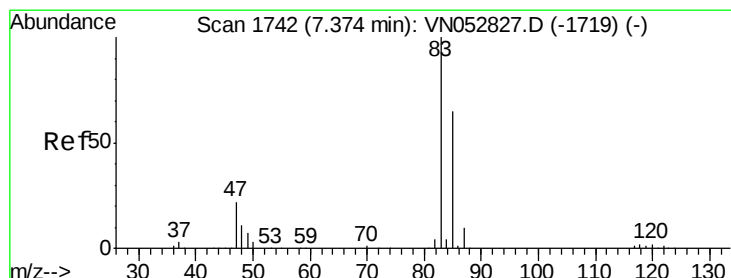
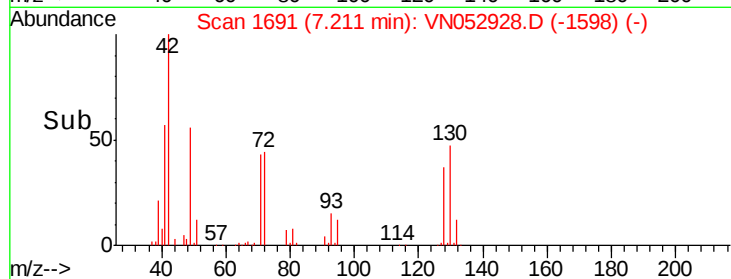
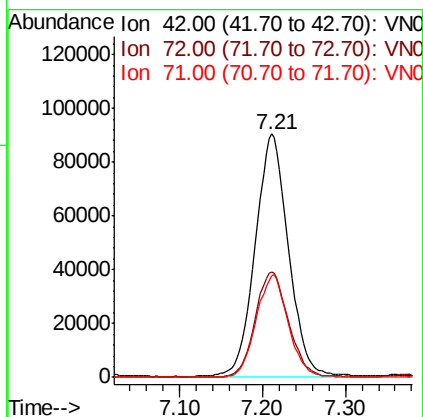
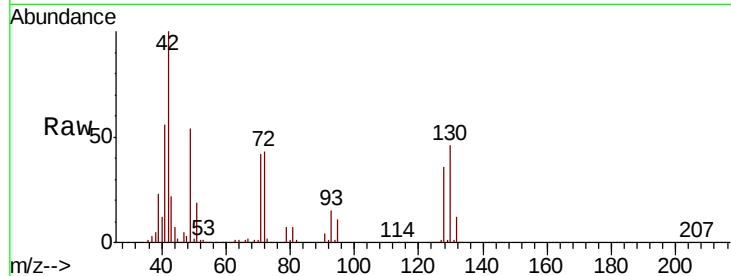




#29
Tetrahydrofuran
Concen: 94.866 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

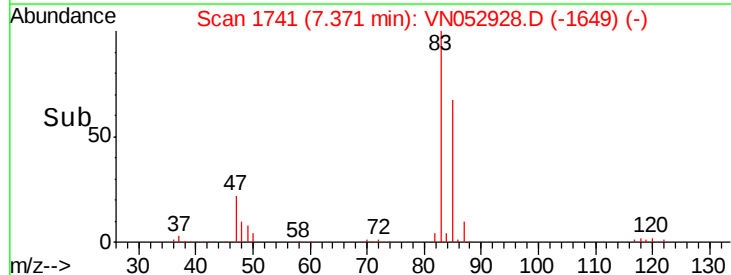
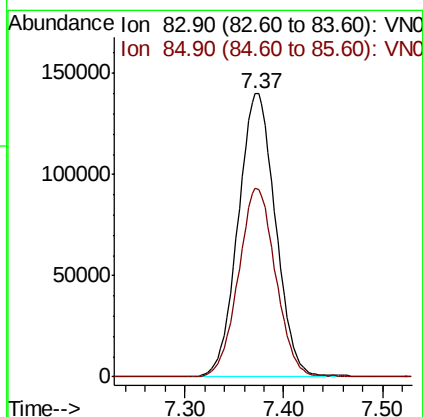
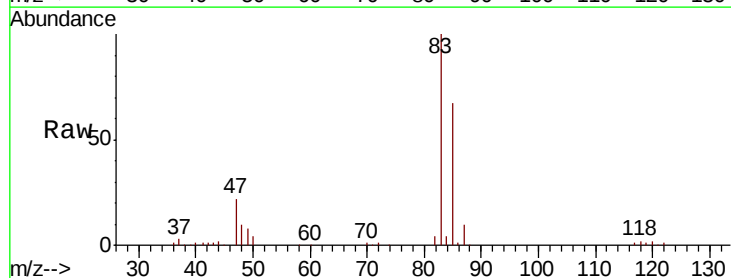
Instrument :
MSVOA_N
ClientSampled :

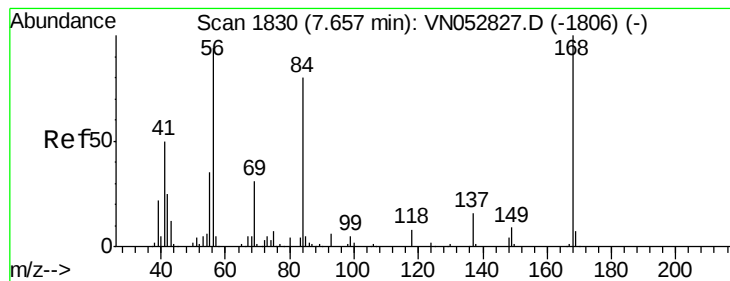
Tot Ion: 42 Resp: 251172
Ion Ratio Lower Upper
42 100
72 43.5 34.7 52.1
71 40.8 32.3 48.5



#30
Chloroform
Concen: 19.430 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 83 Resp: 366375
Ion Ratio Lower Upper
83 100
85 66.5 52.1 78.1





#31

Cyclohexane

Concen: 18.818 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampled :

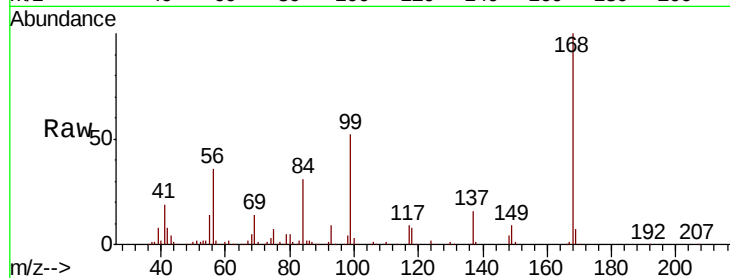
Tot Ion: 56 Resp: 361706

Ion Ratio Lower Upper

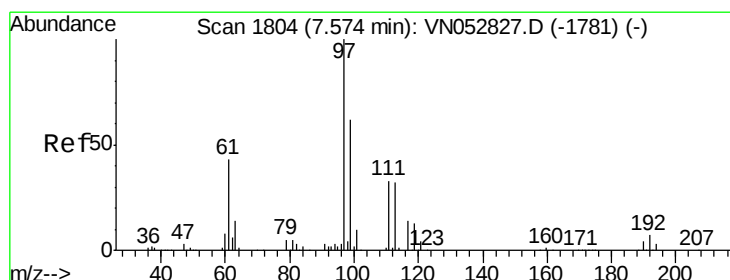
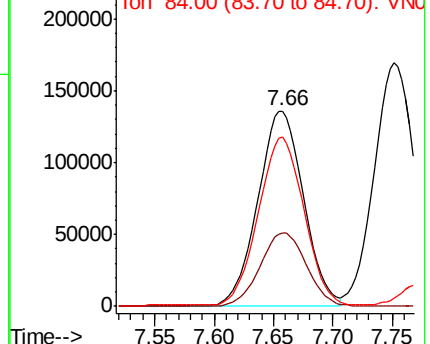
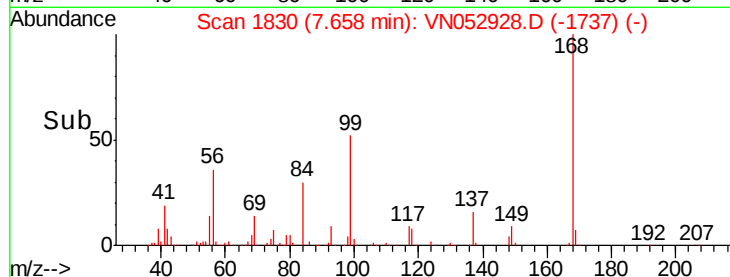
56 100

69 37.4 26.6 39.8

84 85.3 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: 19.297 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

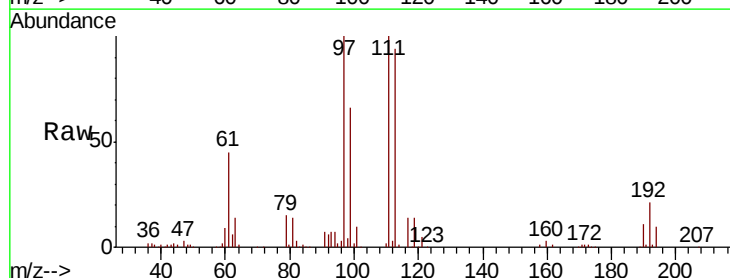
Tgt Ion: 97 Resp: 304435

Ion Ratio Lower Upper

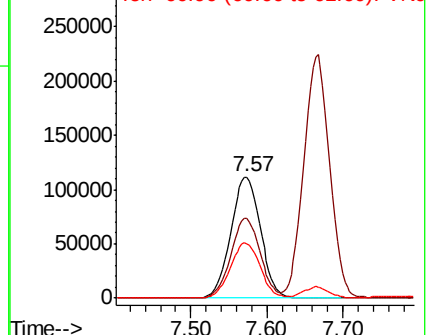
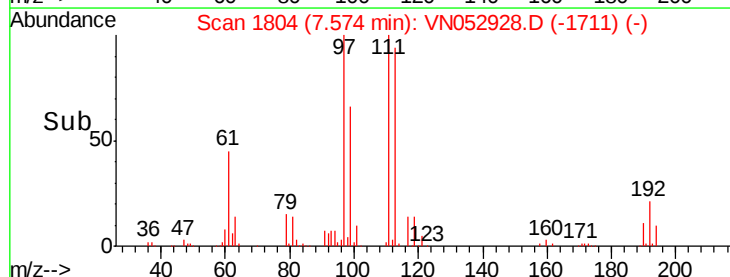
97 100

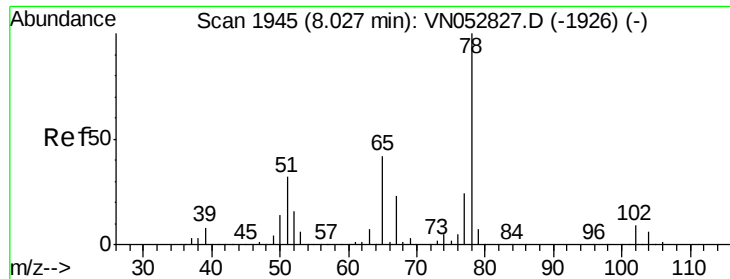
99 64.9 51.1 76.7

61 45.6 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

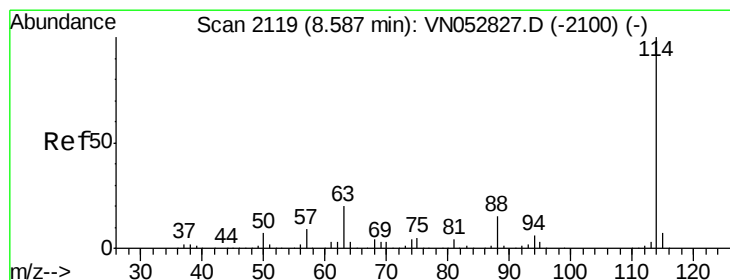
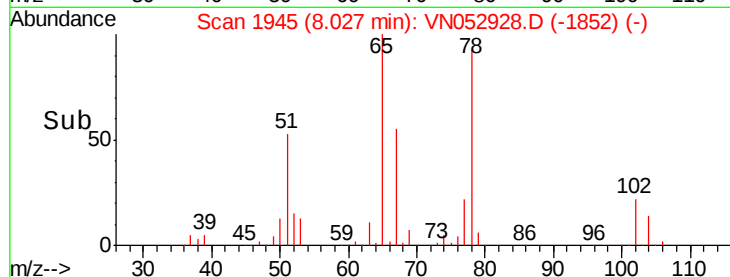
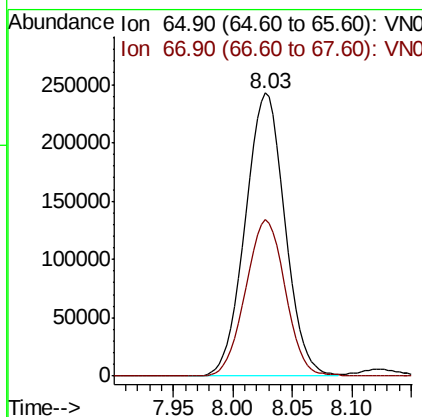
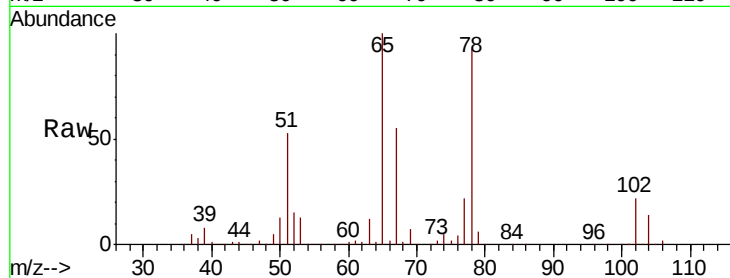




#33
 1,2-Dichloroethane-d4
 Concen: 19.297 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

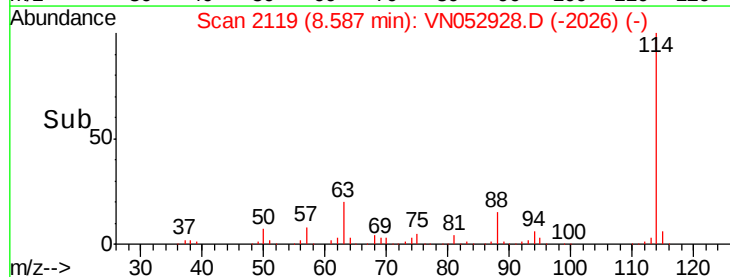
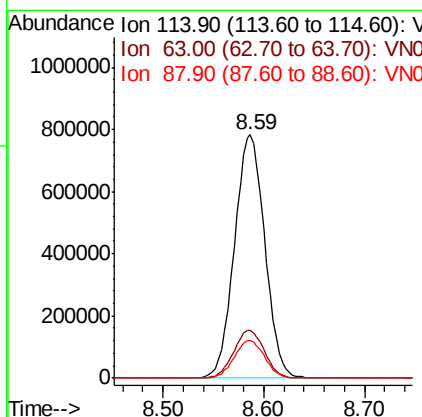
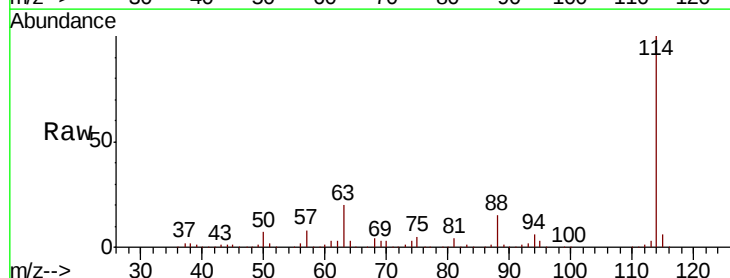
Instrument :
 MSVOA_N
 ClientSampleId :

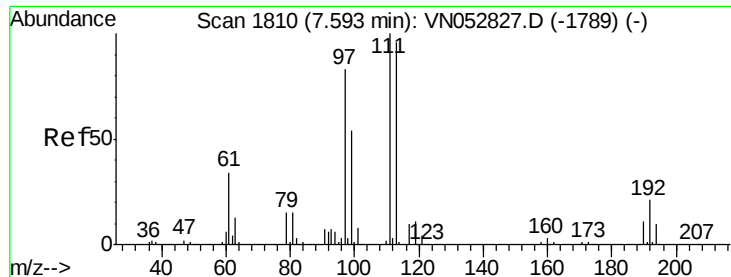
Tot Ion: 65 Resp: 561103
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 114 Resp: 1631663
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

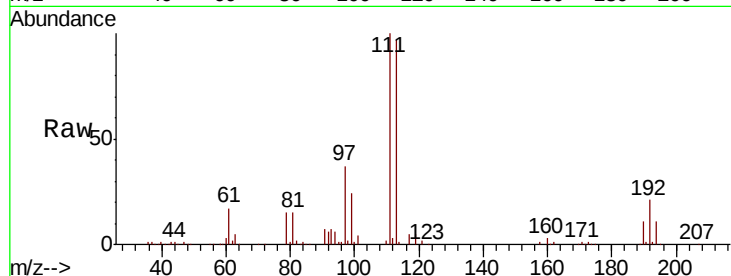




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.4
192	22.5	17.5	26.3

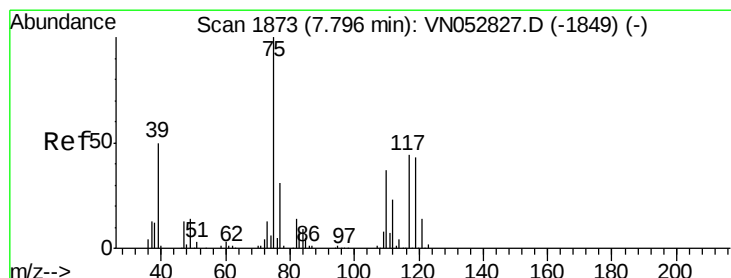
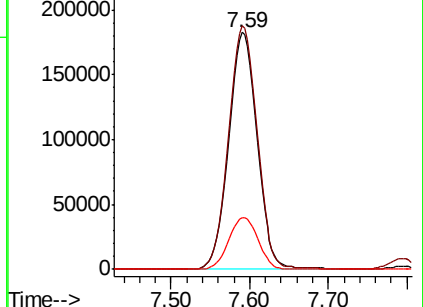
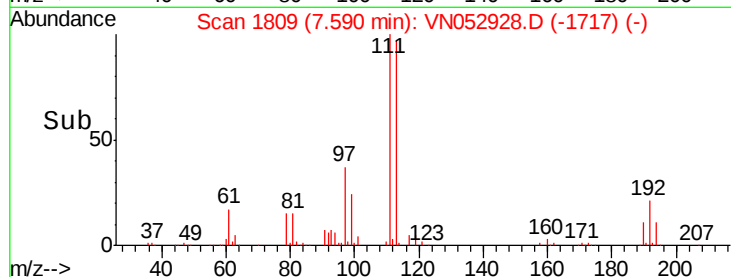


Abundance

Ion 112.80 (112.50 to 113.50): V

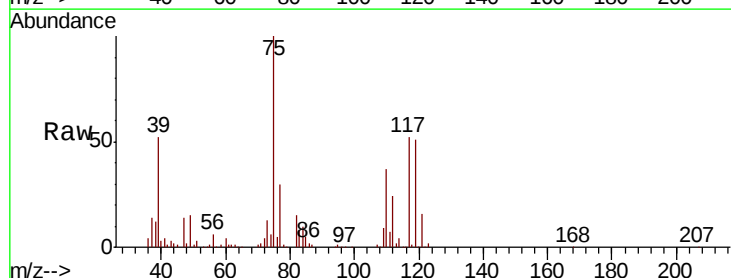
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.826 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.2	54.6
77	31.4	24.9	37.3

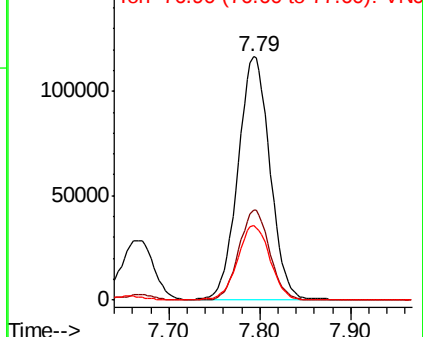
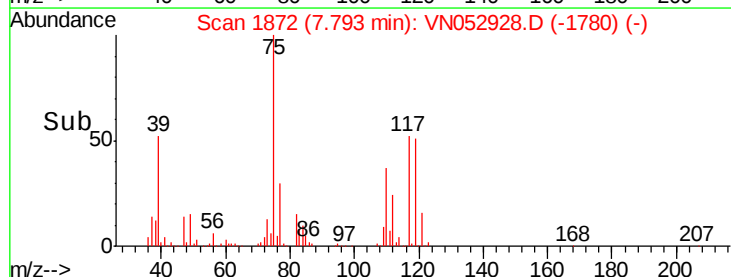


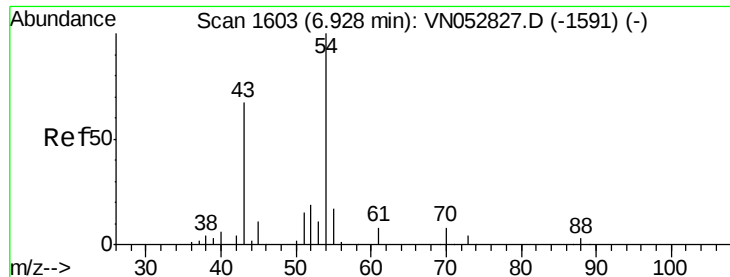
Abundance

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

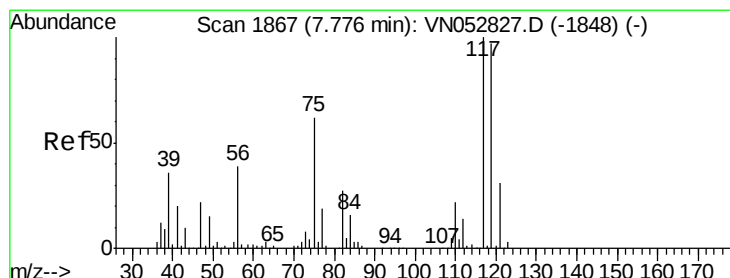
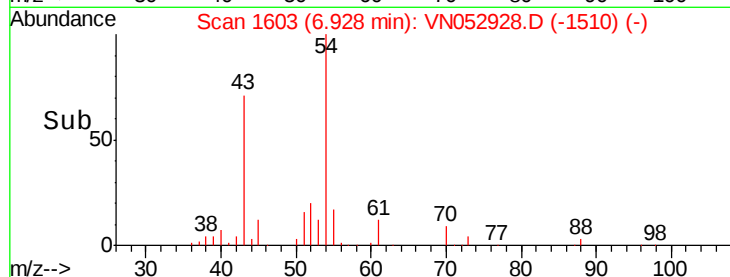
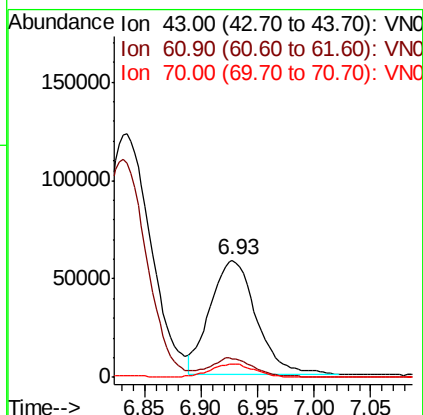
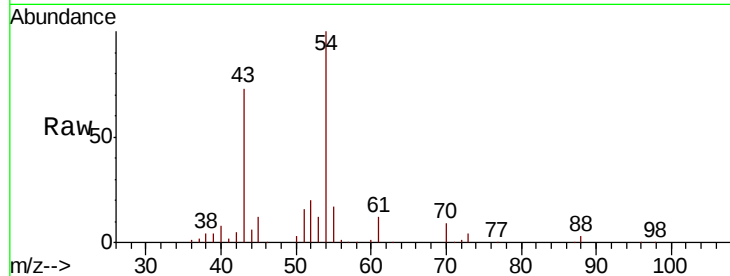




#37
Ethyl Acetate
Concen: 18.283 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

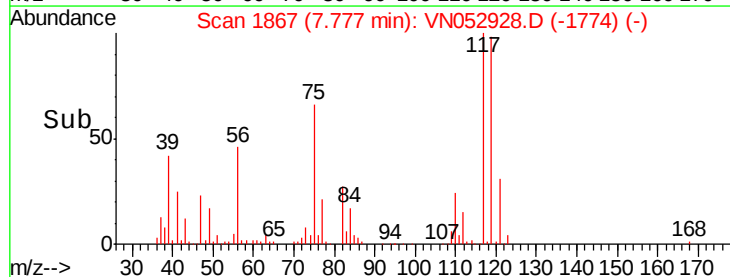
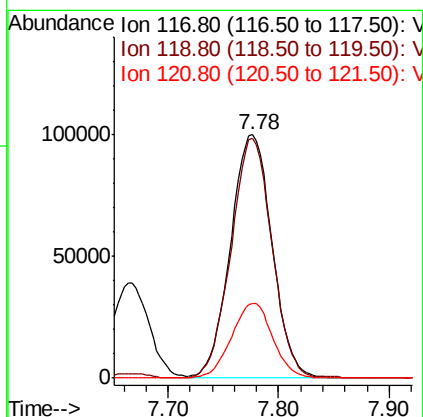
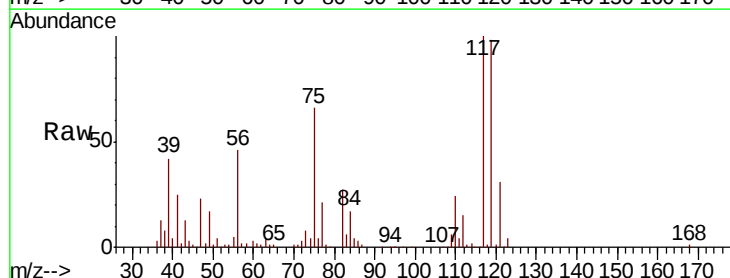
Instrument :
MSVOA_N
ClientSampled :

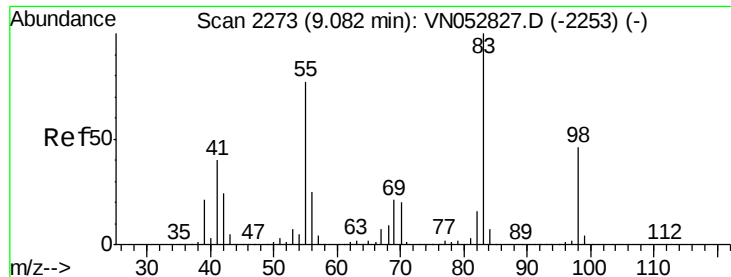
Tot Ion: 43 Resp: 165026
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 11.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.758 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 117 Resp: 259424
Ion Ratio Lower Upper
117 100
119 98.4 77.1 115.7
121 30.9 24.9 37.3

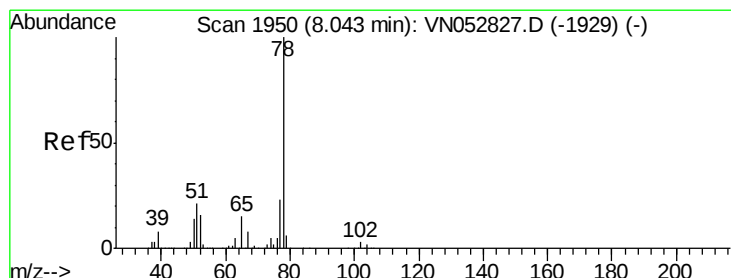
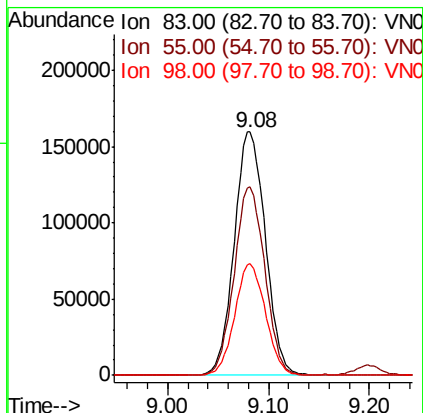
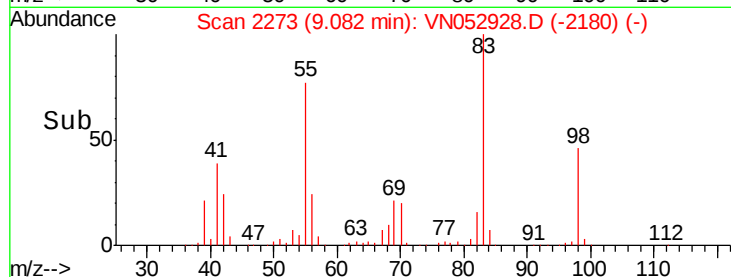
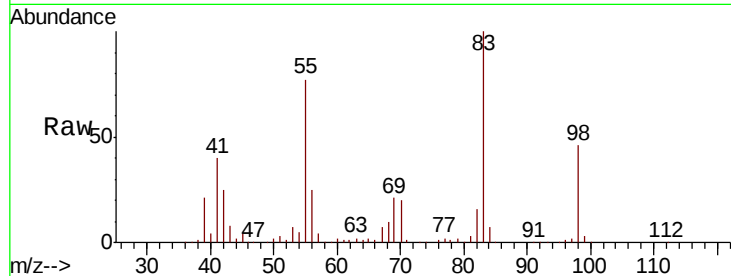




#39
Methvlcvclohexane
Concen: 18.573 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

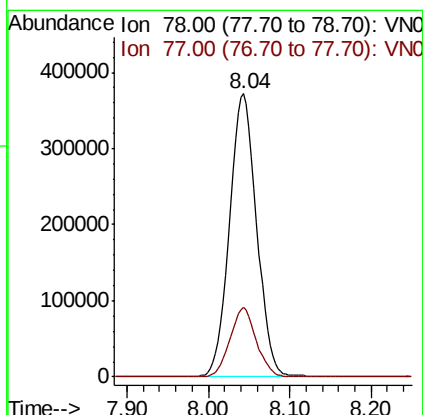
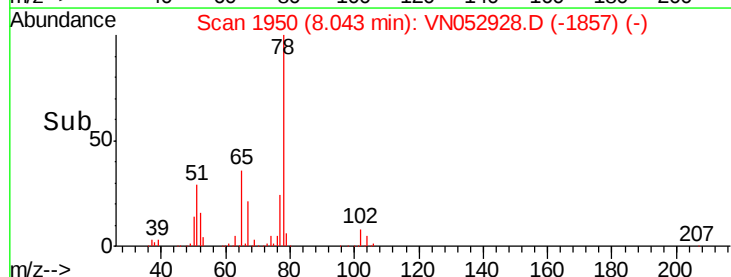
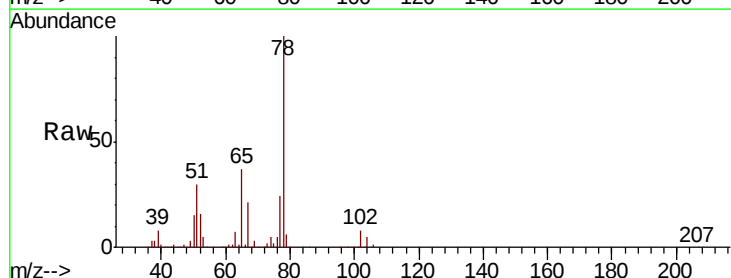
Instrument :
MSVOA_N
ClientSampled :

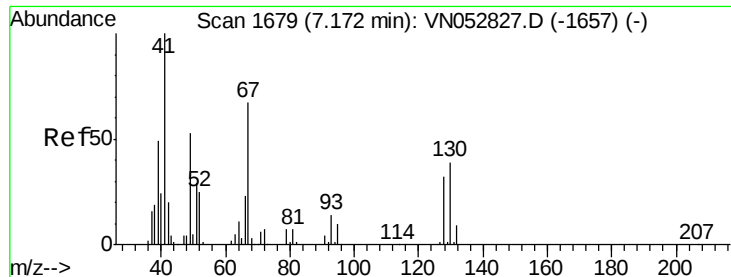
Tot Ion: 83 Resp: 342464
Ion Ratio Lower Upper
83 100
55 77.2 61.3 91.9
98 46.1 37.0 55.4



#40
Benzene
Concen: 19.214 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 78 Resp: 866498
Ion Ratio Lower Upper
78 100
77 24.4 18.5 27.7

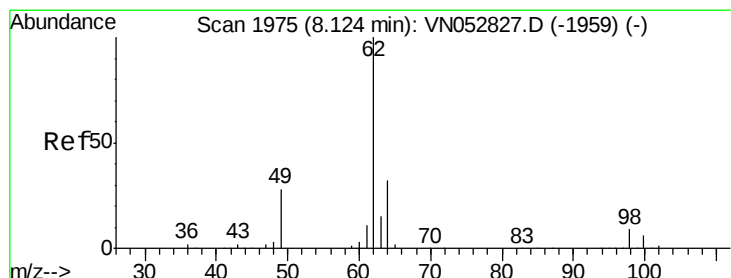
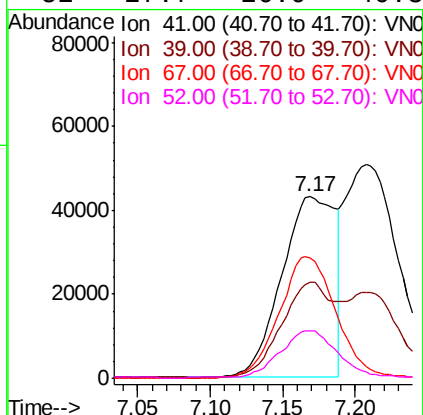
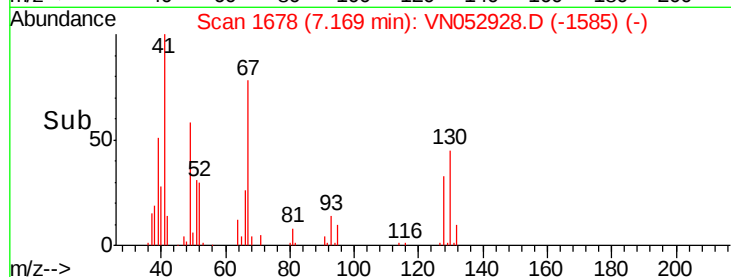
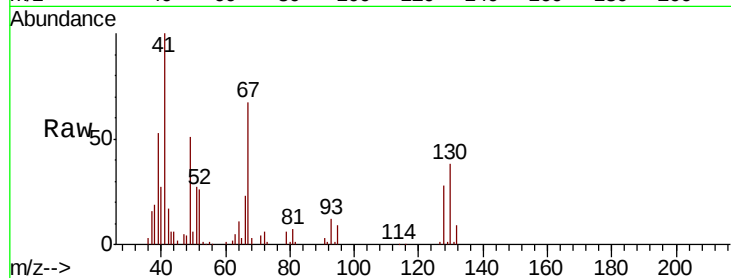




#41
Methacrylonitrile
Concen: 22.150 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

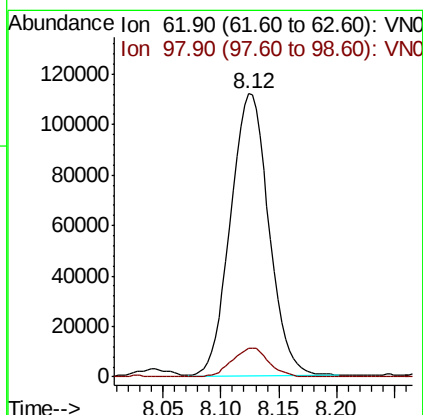
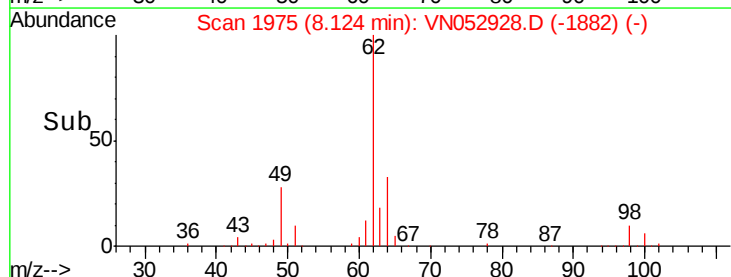
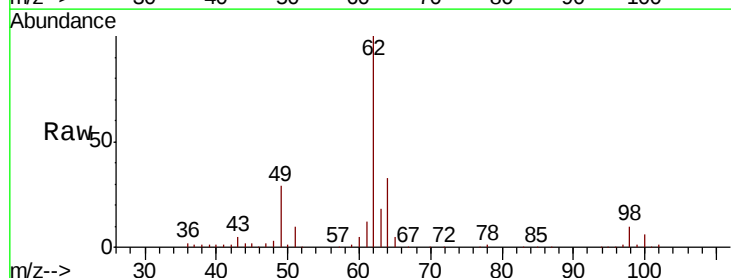
Instrument :
MSVOA_N
ClientSampleId :

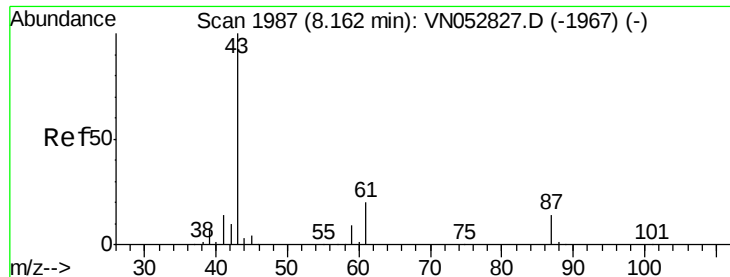
Tot Ion: 41 Resp: 110778
Ion Ratio Lower Upper
41 100
39 54.6 48.0 72.0
67 71.6 70.3 105.5
52 27.7 26.9 40.3



#42
1,2-Dichloroethane
Concen: 18.868 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 62 Resp: 256157
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.0





#43

Isopropyl Acetate

Concen: 25.292 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

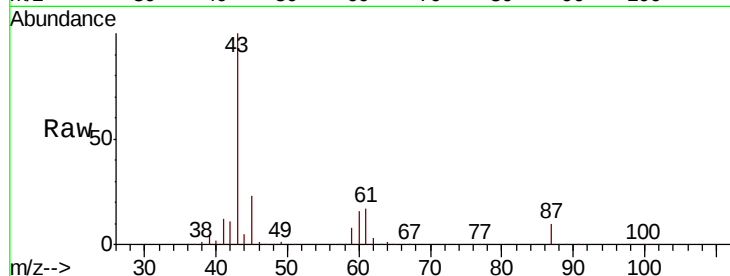
Tot Ion: 43 Resp: 468069

Ion Ratio Lower Upper

43 100

61 20.8 22.9 34.3#

87 9.3 10.6 15.8#

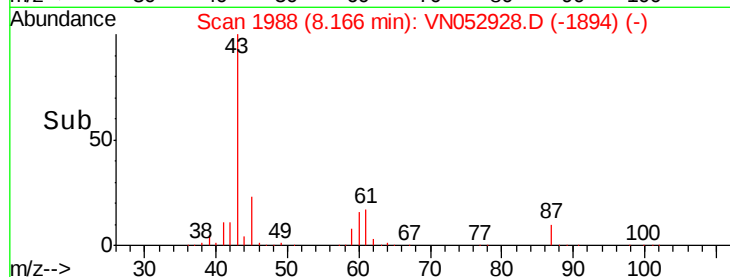


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

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

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

Time-->



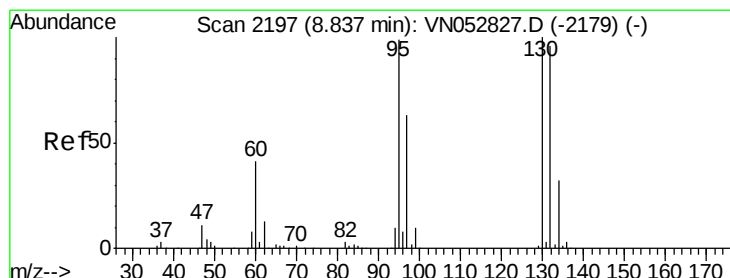
Abundance

Ion 43.00 (42.70 to 43.70): VN052928.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN052928.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN052928.D (-1894) (-)

Time-->



#44

Trichloroethene

Concen: 19.245 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052928.D

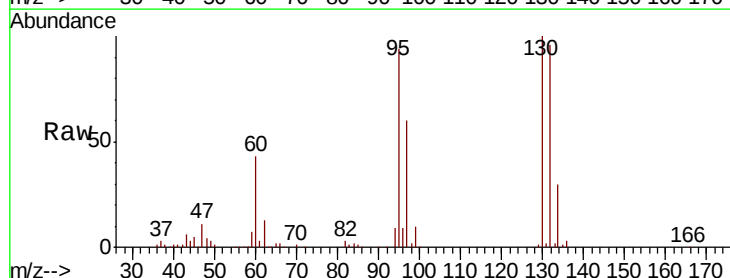
Acq: 17 Dec 2018 15:37

Tgt Ion:130 Resp: 234425

Ion Ratio Lower Upper

130 100

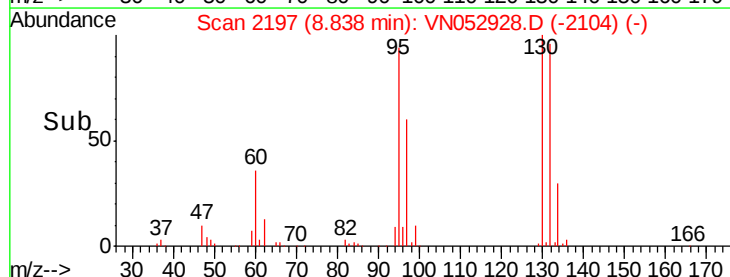
95 94.3 0.0 197.8



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

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

Time-->

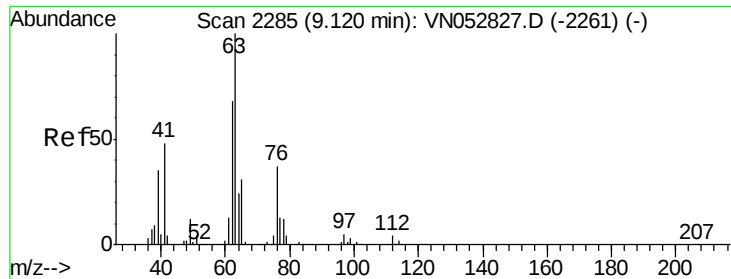


Abundance

Ion 129.80 (129.50 to 130.50): VN052928.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052928.D (-2104) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 19.614 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

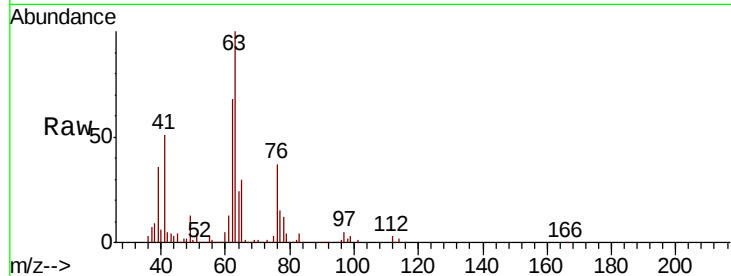
ClientSampleId :

Tot Ion: 63 Resp: 231678

Ion Ratio Lower Upper

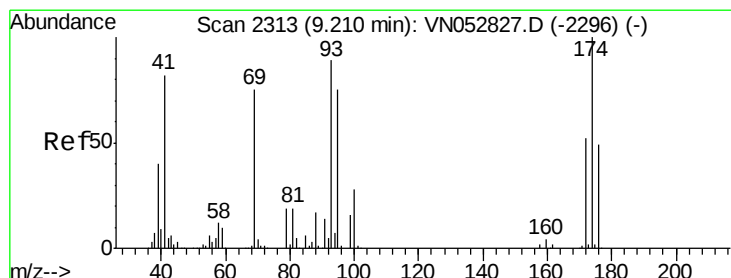
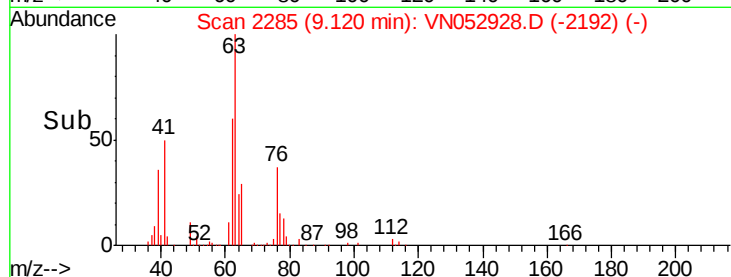
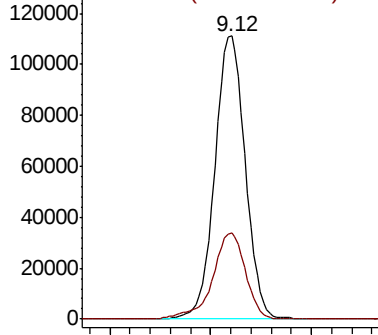
63 100

65 30.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.133 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

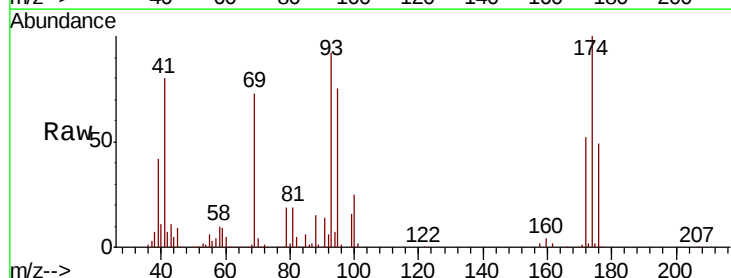
Tgt Ion: 93 Resp: 131066

Ion Ratio Lower Upper

93 100

95 83.6 67.8 101.6

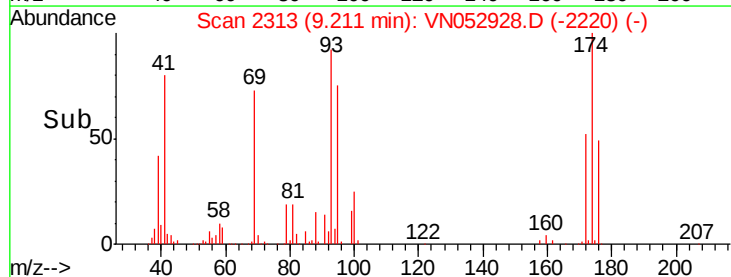
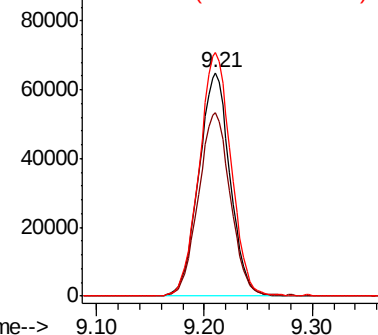
174 110.9 89.0 133.4

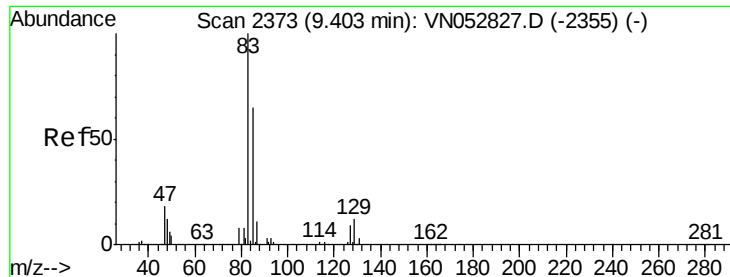


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.797 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

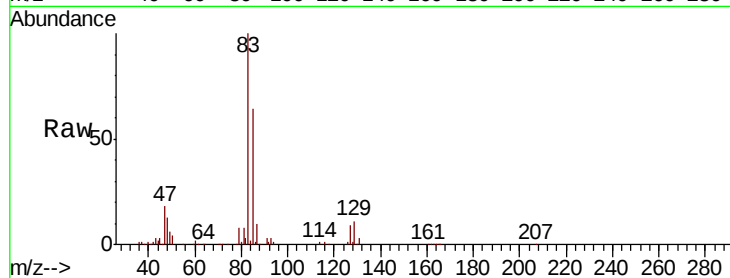
Tot Ion: 83 Resp: 281226

Ion Ratio Lower Upper

83 100

85 64.0 51.6 77.4

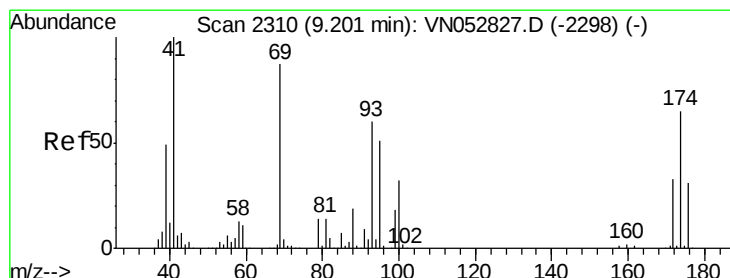
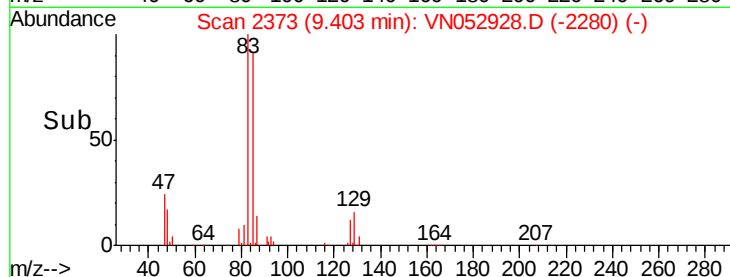
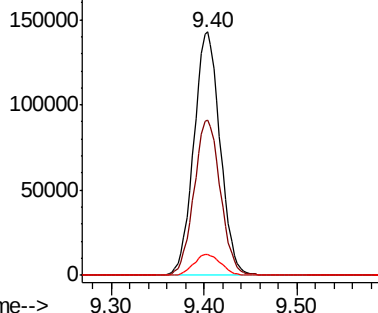
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052928.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052928.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052928.D (-2355) (-)



#48

Methyl methacrylate

Concen: 19.687 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

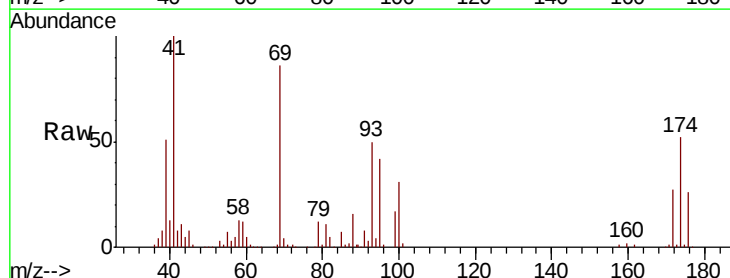
Tgt Ion: 41 Resp: 159780

Ion Ratio Lower Upper

41 100

69 91.3 72.2 108.2

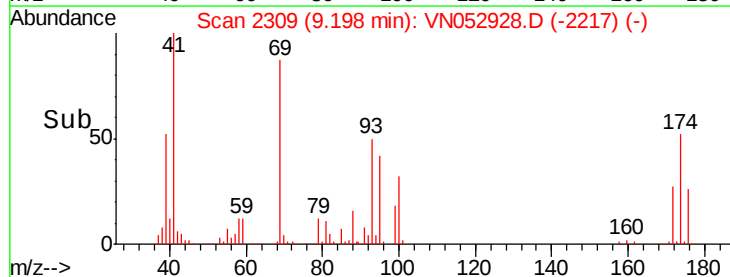
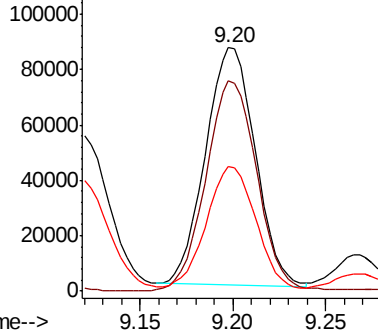
39 52.6 41.9 62.9

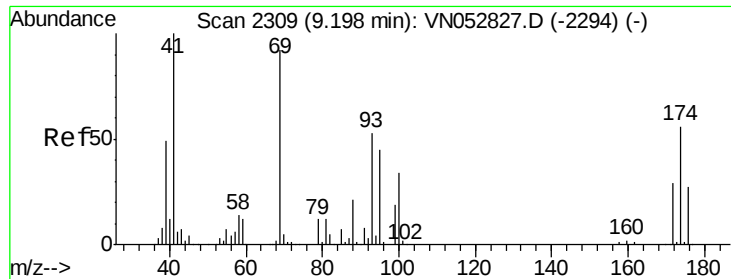


Abundance Ion 41.00 (40.70 to 41.70): VN052928.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052928.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052928.D (-2217) (-)

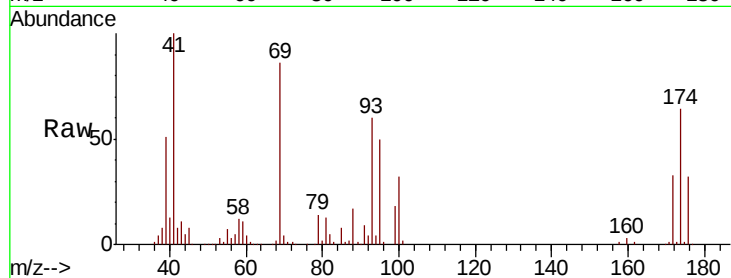




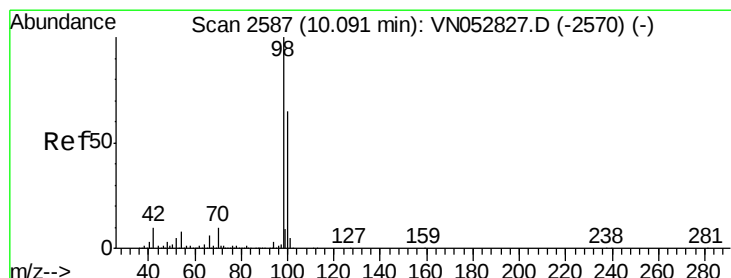
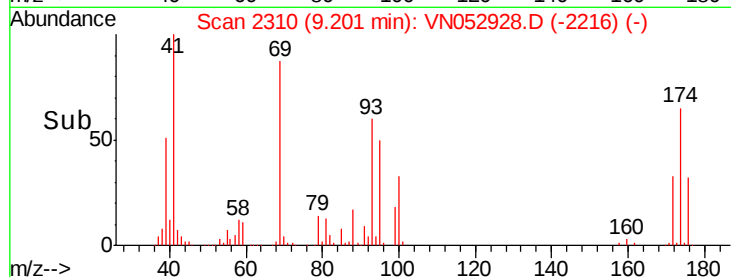
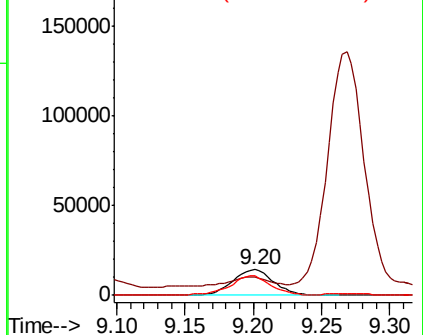
#49
1,4-Dioxane
Concen: 326.674 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 30094
Ion Ratio Lower Upper
88 100
43 34.5 26.6 40.0
58 73.0 58.4 87.6

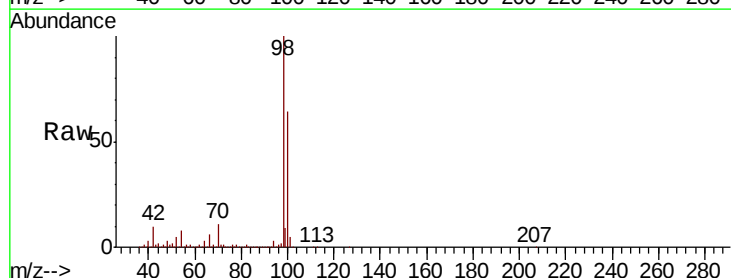


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

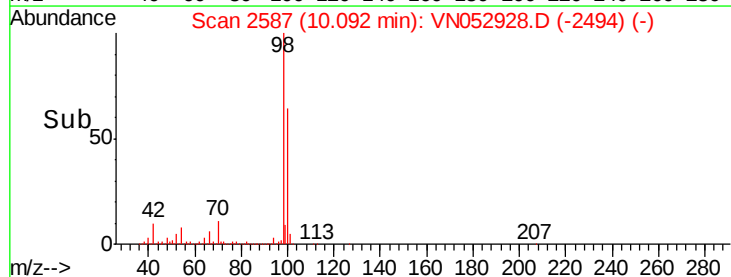
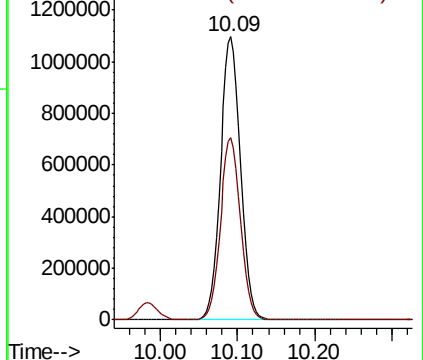


#50
Toluene-d8
Concen: 326.674 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 98 Resp: 1980621
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



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

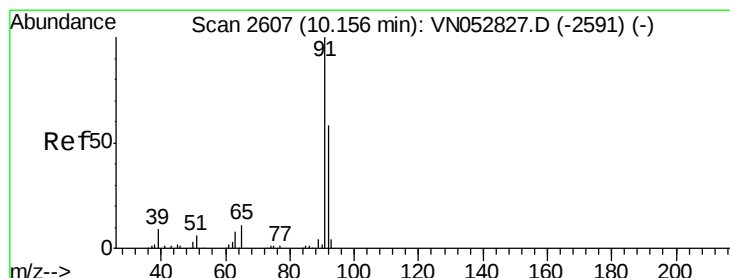
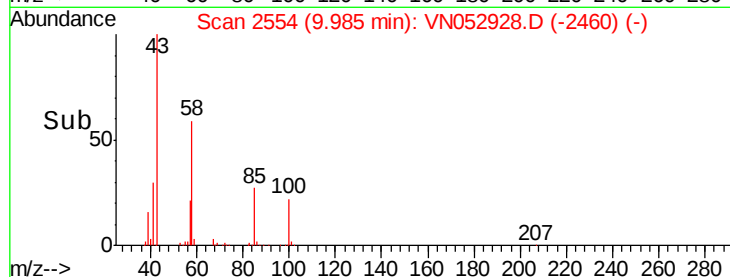
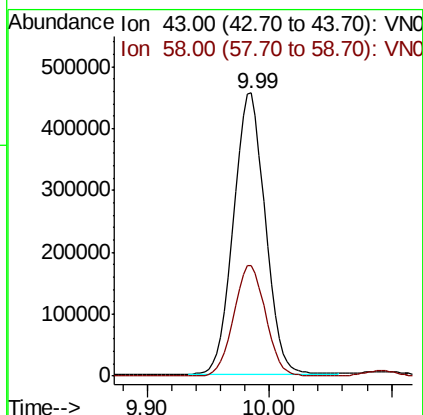
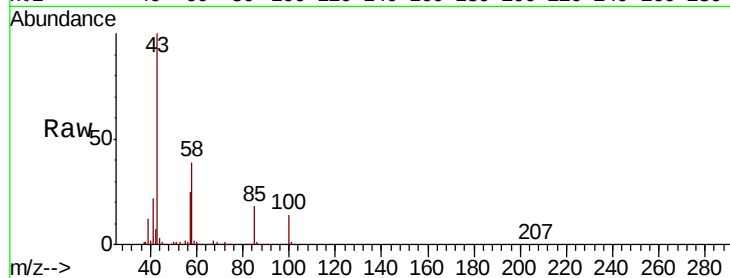




#51
4-Methyl-2-Pentanone
Concen: 96.172 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

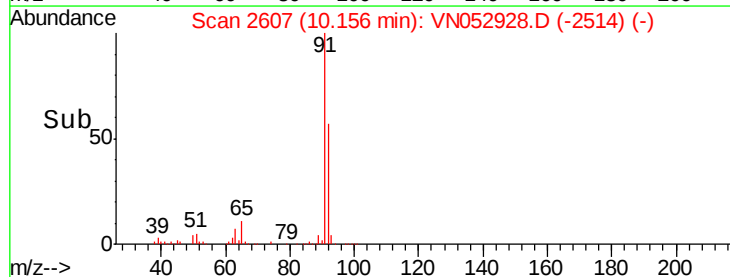
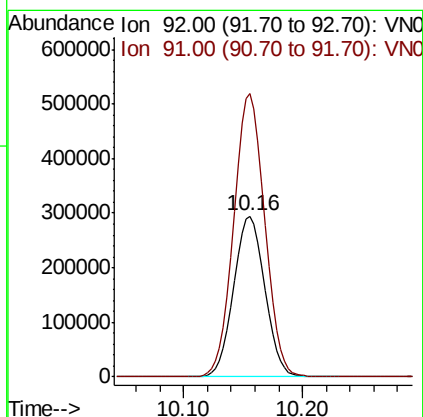
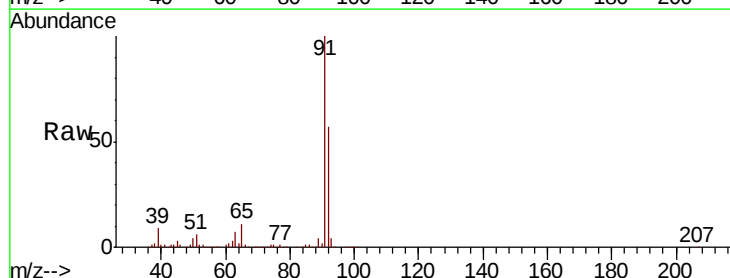
Instrument :
MSVOA_N
ClientSampleId :

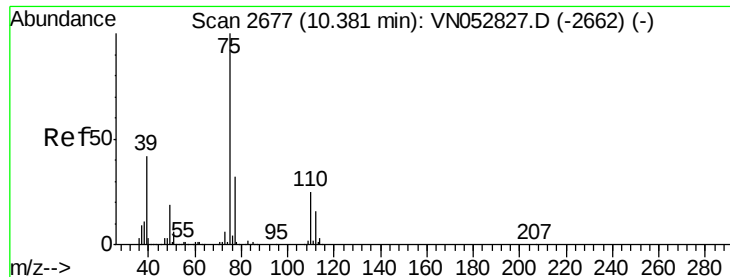
Tot Ion: 43 Resp: 816114
Ion Ratio Lower Upper
43 100
58 39.6 32.2 48.4



#52
Toluene
Concen: 19.571 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 92 Resp: 534554
Ion Ratio Lower Upper
92 100
91 174.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 20.691 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

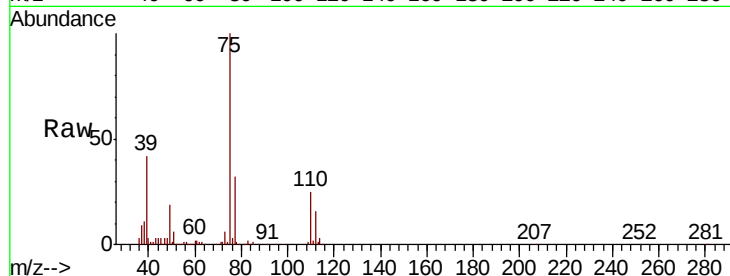
ClientSampled :

Tot Ion: 75 Resp: 295775

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

150000

100000

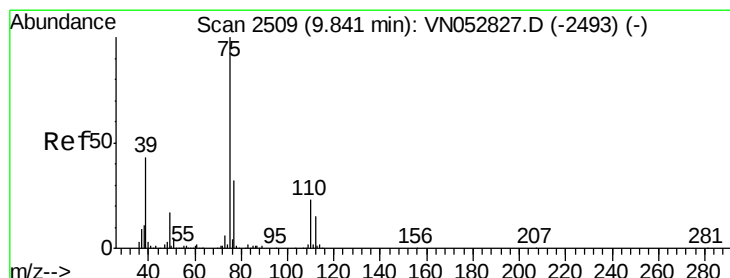
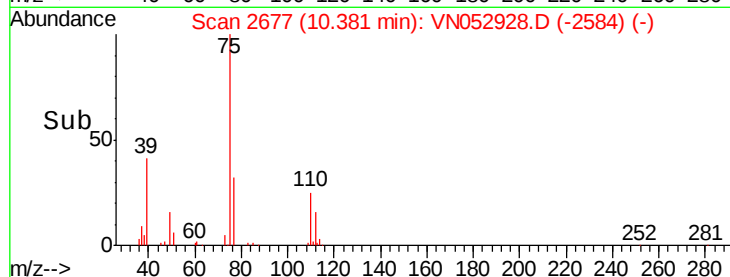
50000

0

Time-->

10.30

10.40



#54

cis-1,3-Dichloropropene

Concen: 19.551 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

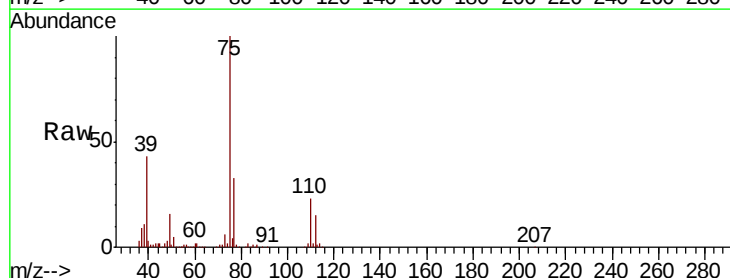
Tgt Ion: 75 Resp: 333033

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

39 43.3 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

250000

200000

150000

100000

50000

0

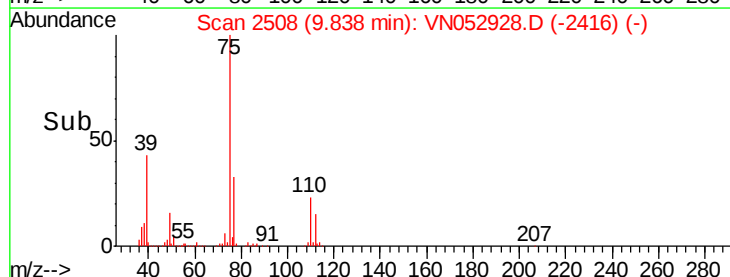
Time-->

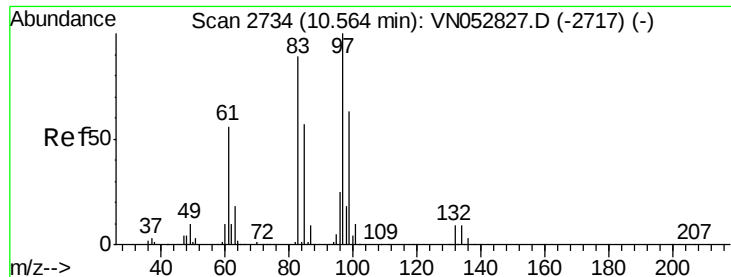
9.75

9.80

9.85

9.90

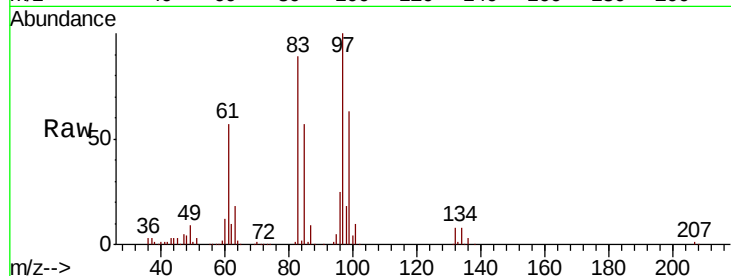




#55
 1,1,2-Trichloroethane
 Concen: 19.173 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	186936
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.9	106.3
85	57.4	45.4	68.2
99	63.0	50.4	75.6



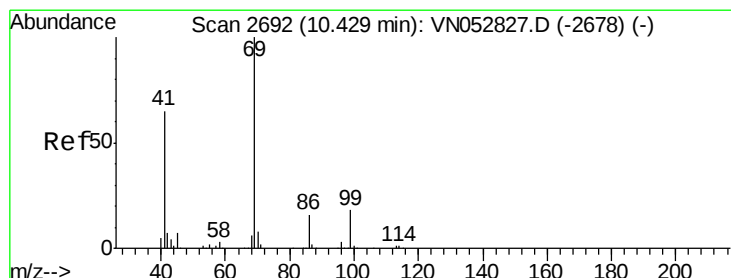
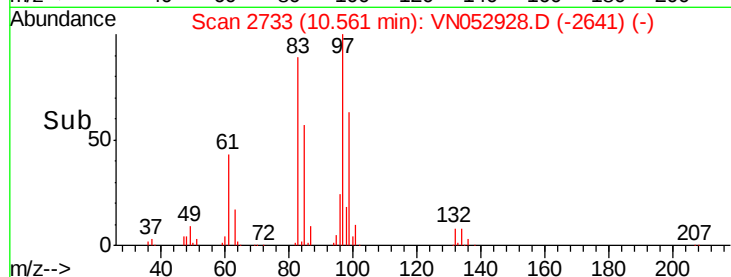
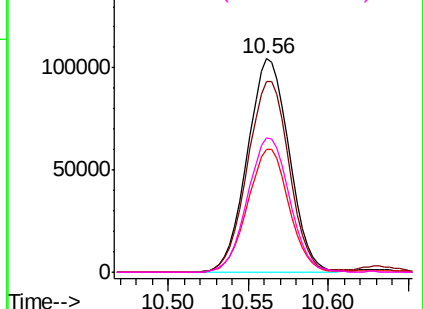
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

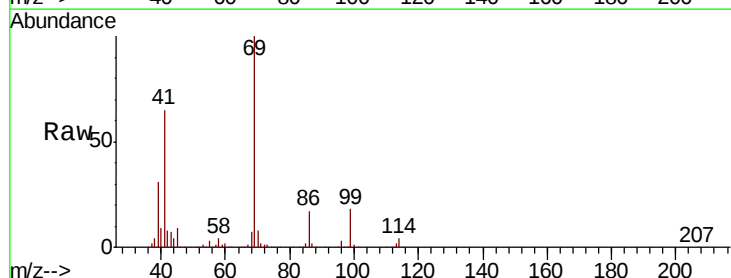
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 20.611 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion	69	Resp	257899
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.7	77.5
39	30.5	24.6	37.0

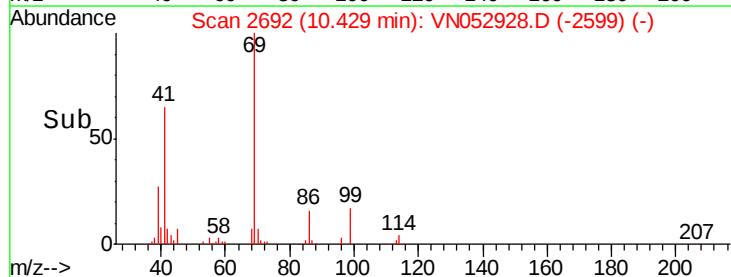
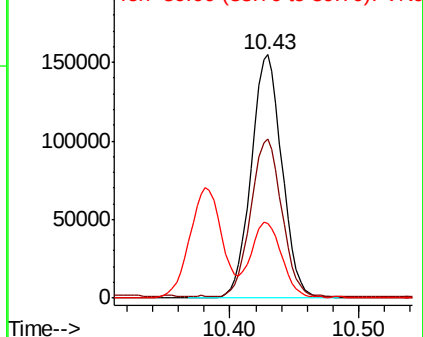


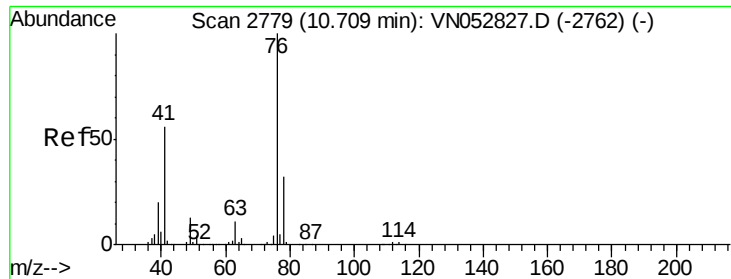
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.501 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

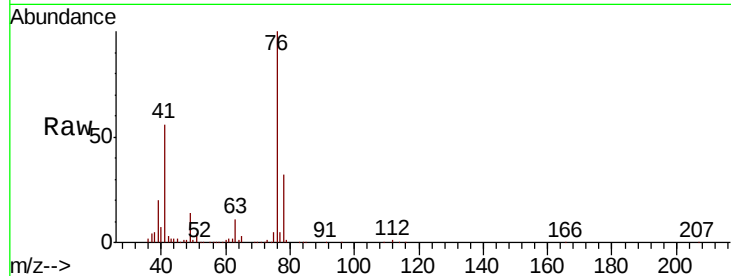
ClientSampled :

Tot Ion: 76 Resp: 326060

Ion Ratio Lower Upper

76 100

78 31.6 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

200000

150000

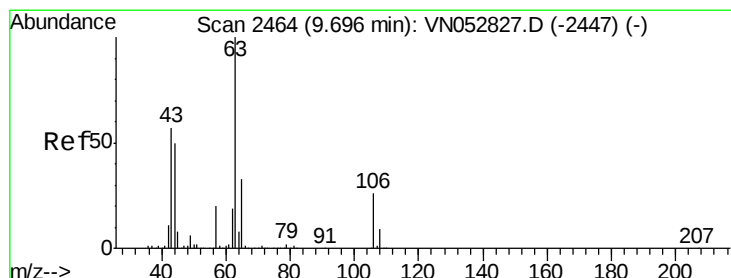
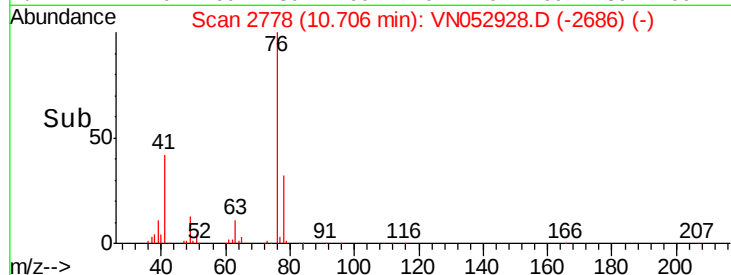
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 101.307 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052928.D

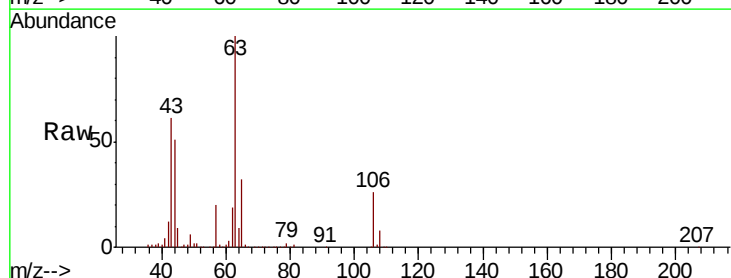
Acq: 17 Dec 2018 15:37

Tgt Ion: 63 Resp: 707308

Ion Ratio Lower Upper

63 100

106 26.0 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

300000

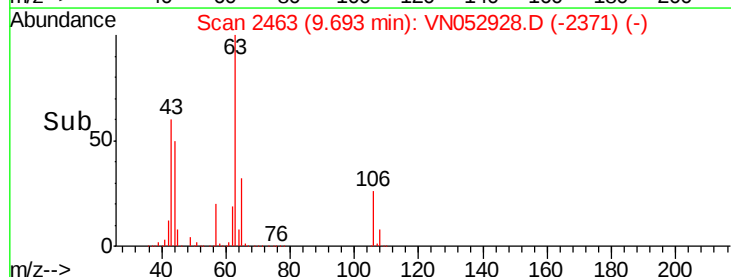
200000

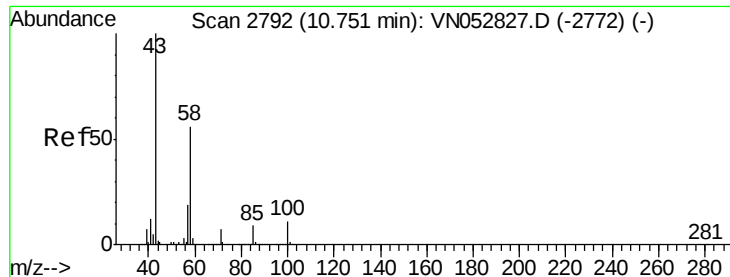
100000

0

Time-->

9.60 9.70 9.80

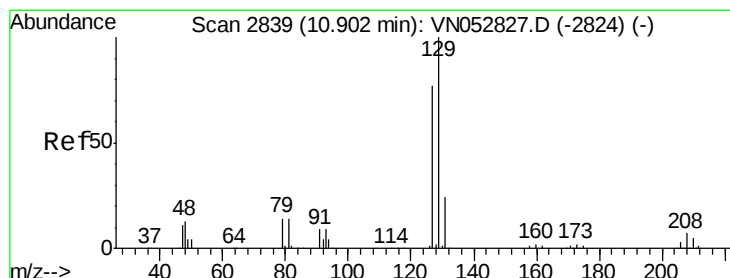
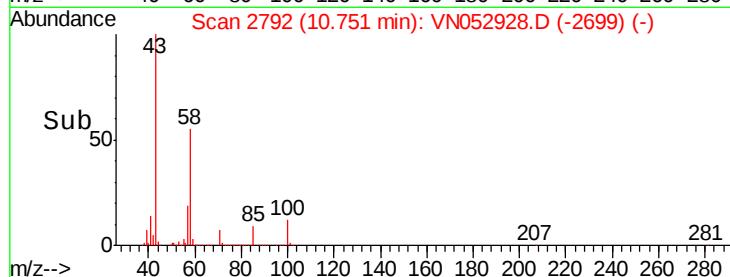
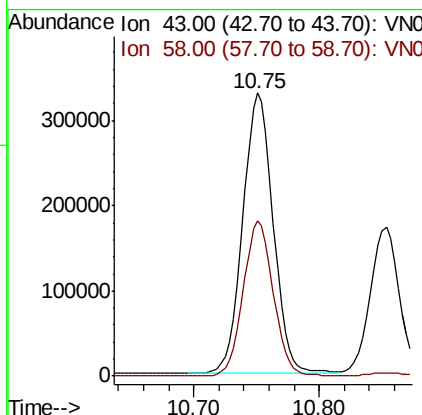
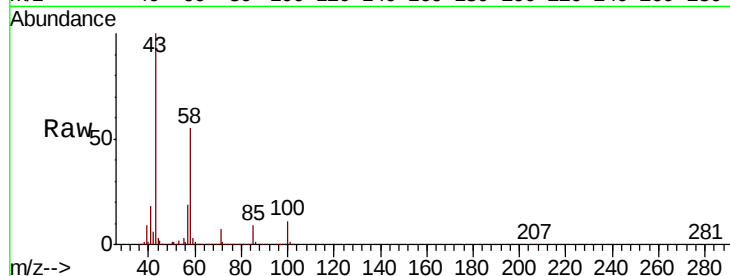




#59
2-Hexanone
Concen: 95.081 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

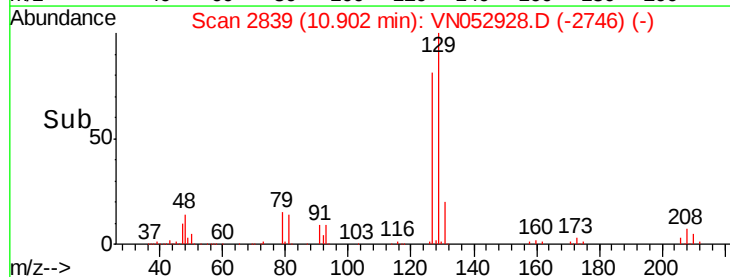
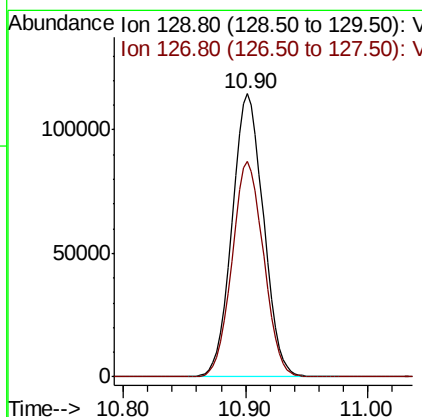
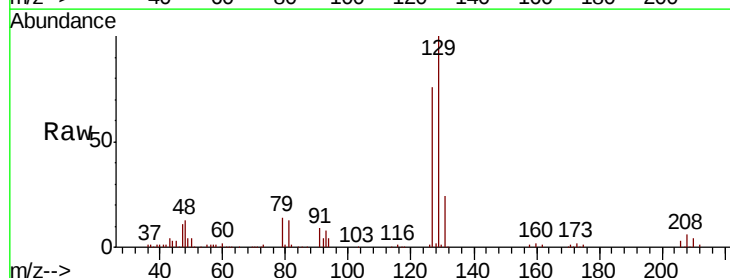
Instrument :
MSVOA_N
ClientSampleId :

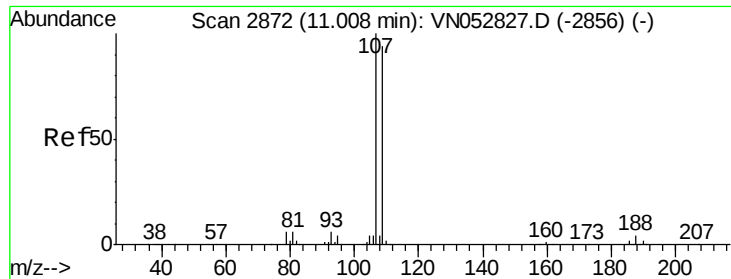
Tot Ion: 43 Resp: 552957
Ion Ratio Lower Upper
43 100
58 54.4 28.1 84.3



#60
Dibromochloromethane
Concen: 19.438 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 129 Resp: 204830
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0

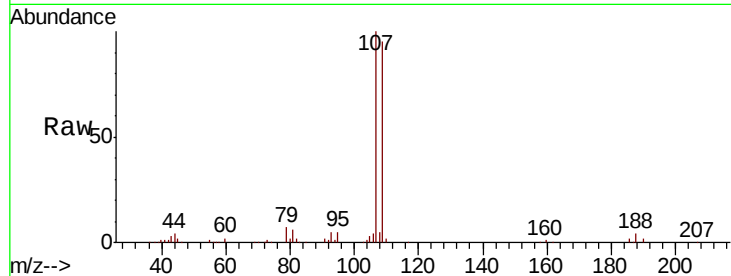




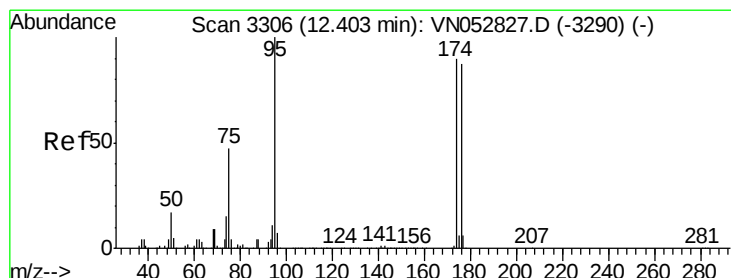
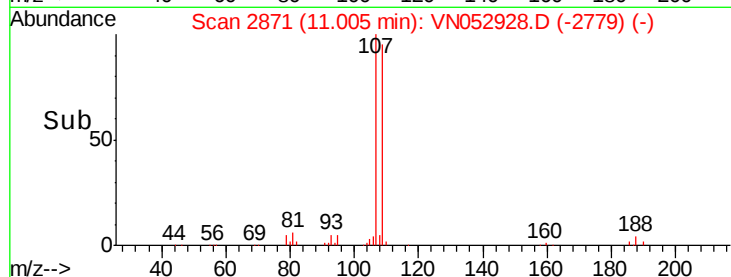
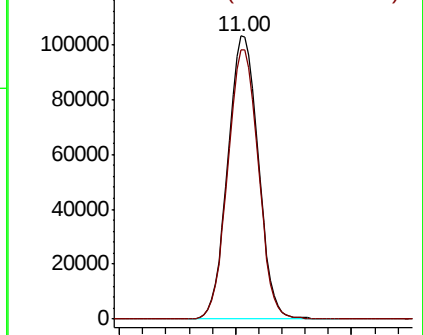
#61
 1,2-Dibromoethane
 Concen: 19.432 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 187281
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0

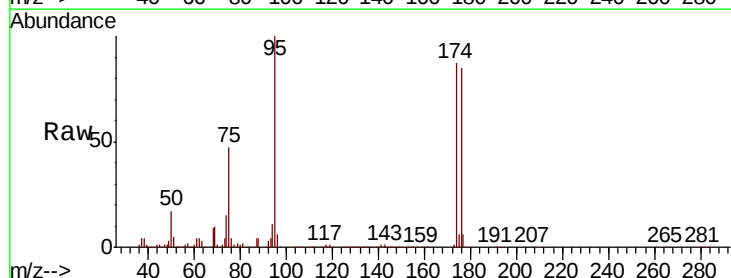


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

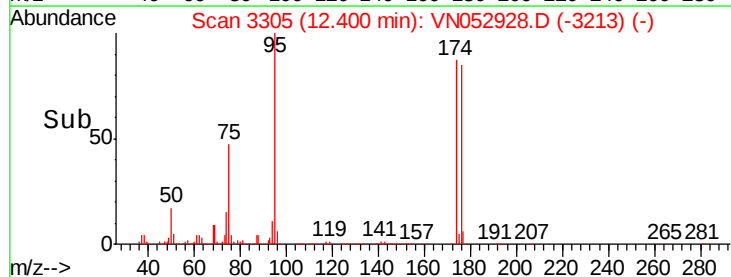
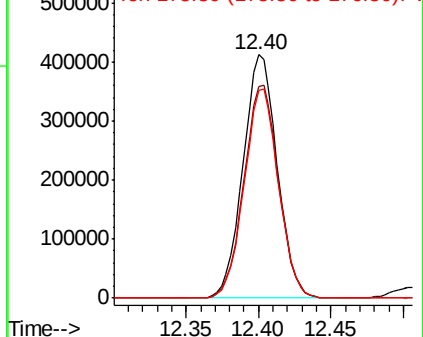


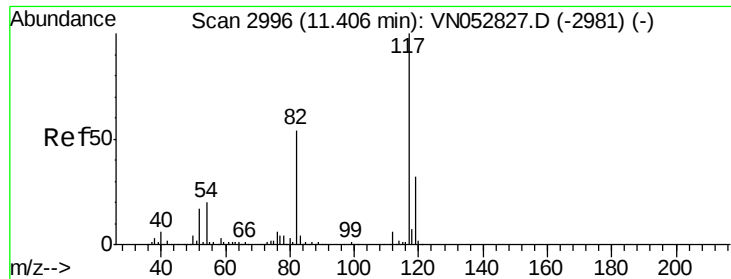
#62
 4-Bromofluorobenzene
 Concen: 19.432 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 95 Resp: 675931
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.8
 176 86.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

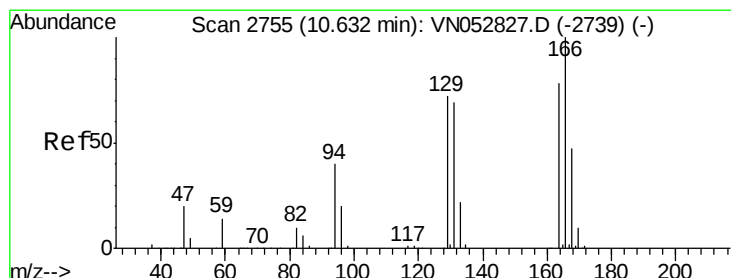
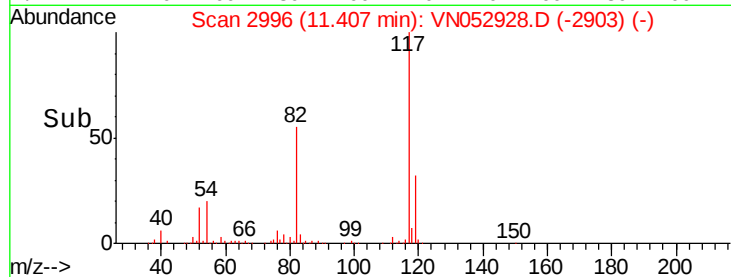
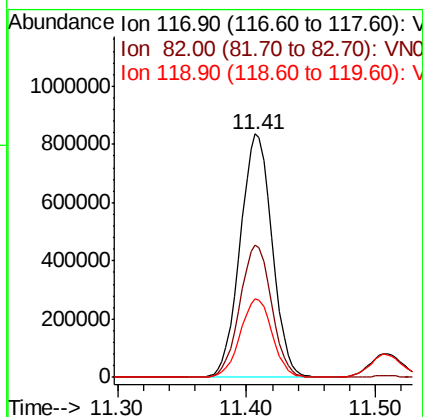
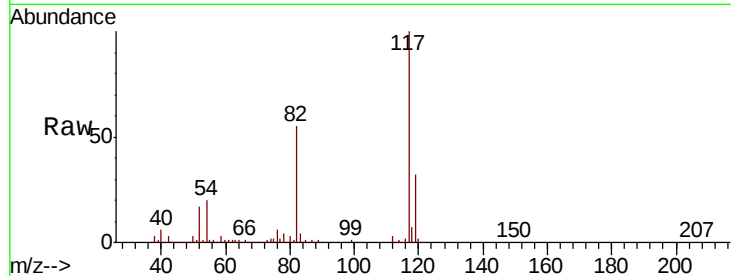




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

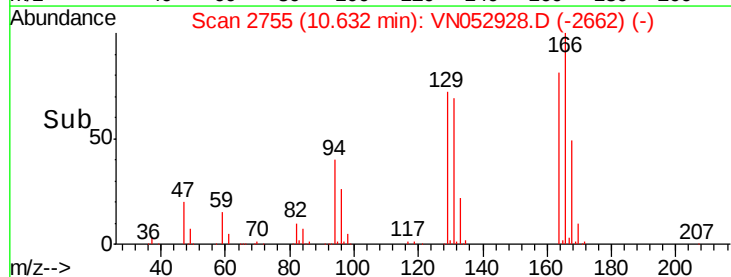
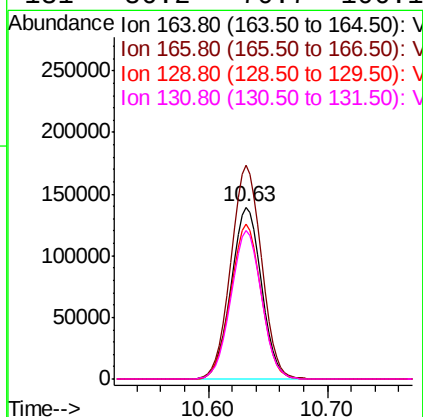
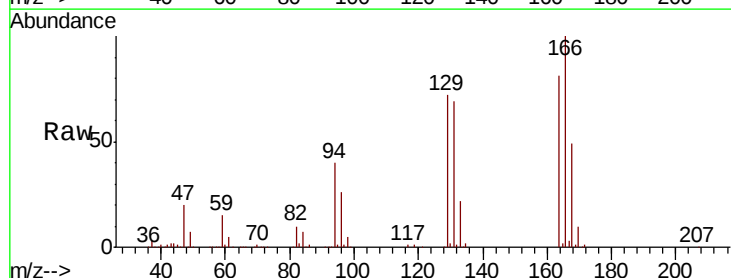
Instrument :
MSVOA_N
ClientSampled :

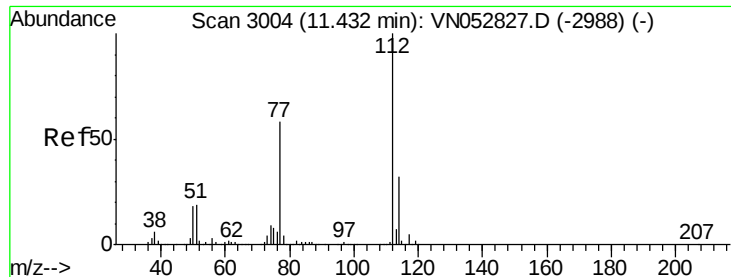
Tot Ion:117 Resp: 1440845
Ion Ratio Lower Upper
117 100
82 54.5 42.8 64.2
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 19.891 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion:164 Resp: 246321
Ion Ratio Lower Upper
164 100
166 124.2 102.9 154.3
129 89.9 73.7 110.5
131 86.2 70.7 106.1

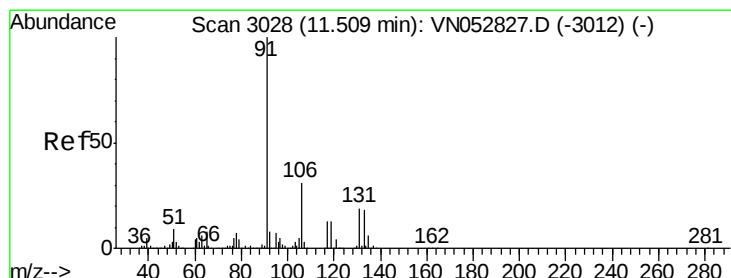
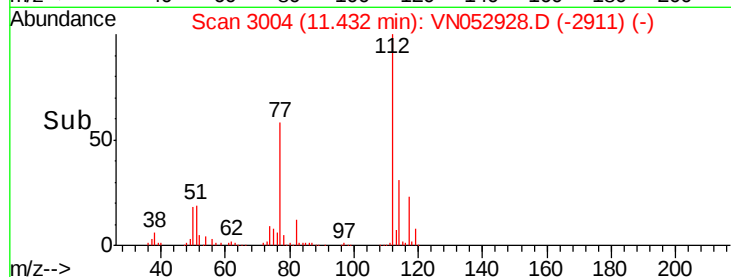
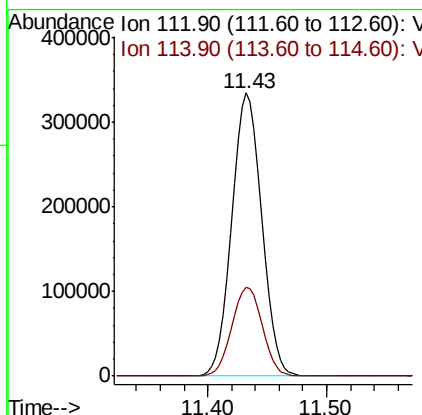
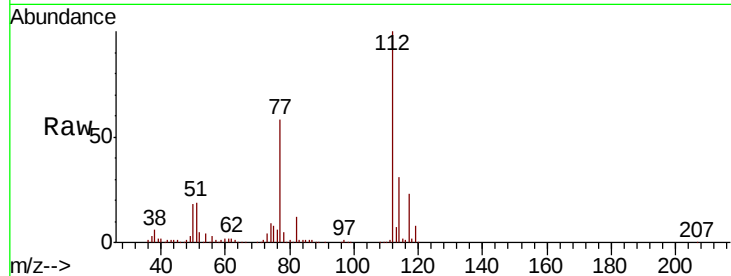




#65
Chlorobenzene
Concen: 19.545 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

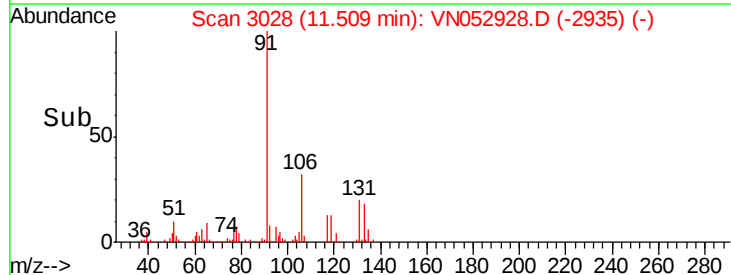
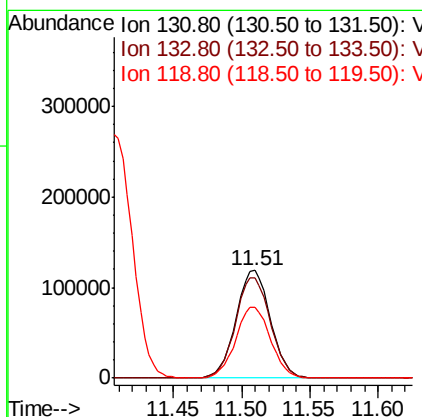
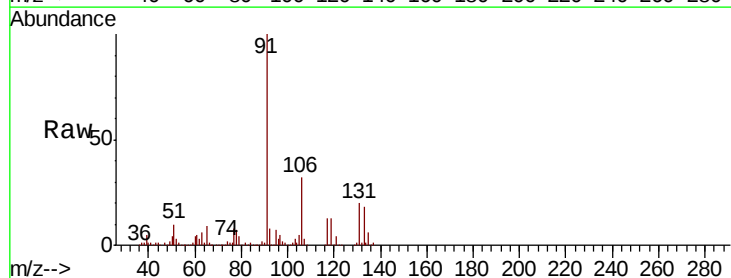
Instrument :
MSVOA_N
ClientSampled :

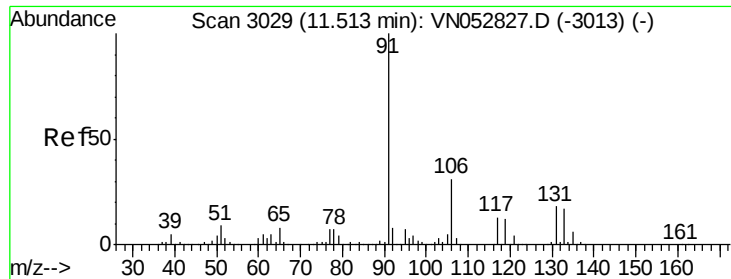
Tot Ion:112 Resp: 584256
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.992 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion:131 Resp: 207842
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 66.6 33.3 99.8





#67

Ethyl Benzene

Concen: 19.572 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

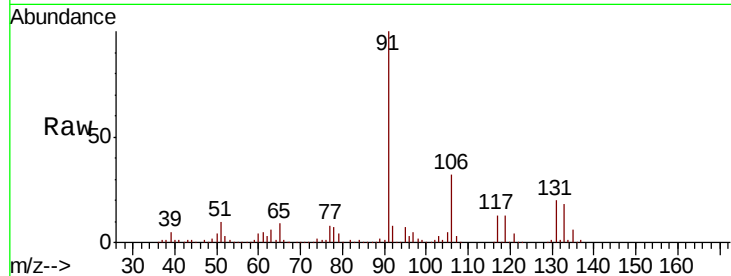
ClientSampled :

Tot Ion: 91 Resp: 1004693

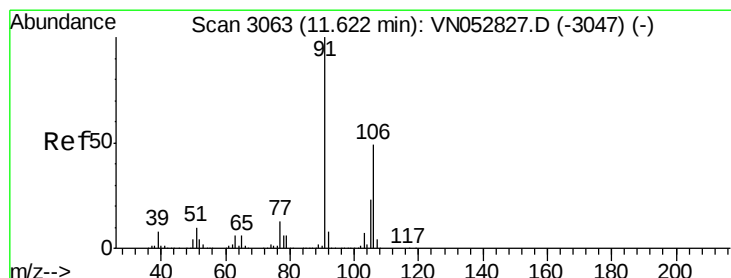
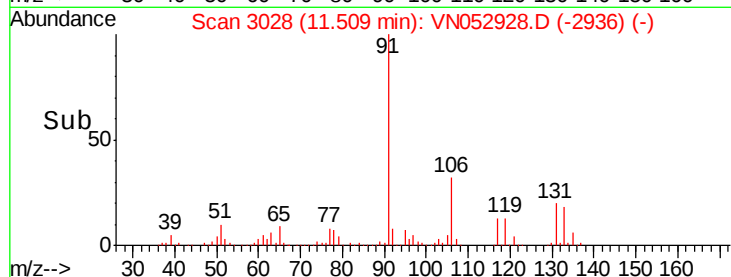
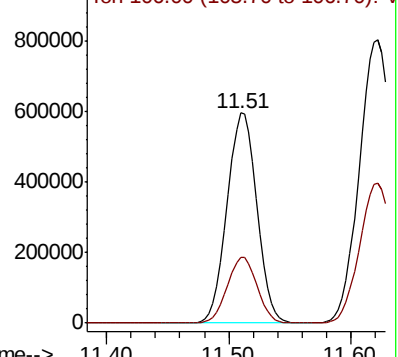
Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3013) (-)



#68

m/p-Xylenes

Concen: 39.554 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052928.D

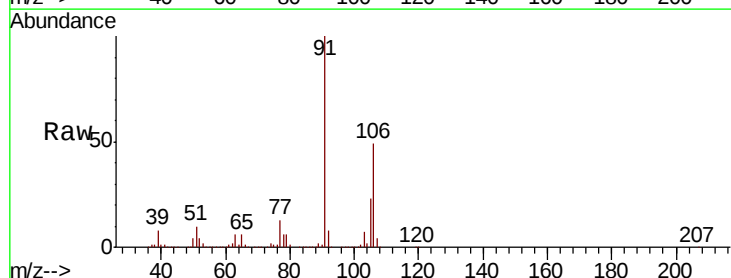
Acq: 17 Dec 2018 15:37

Tgt Ion: 106 Resp: 762426

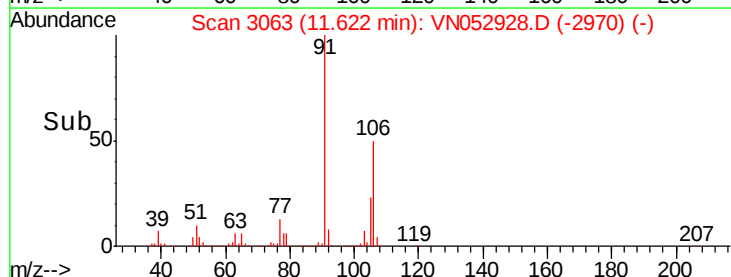
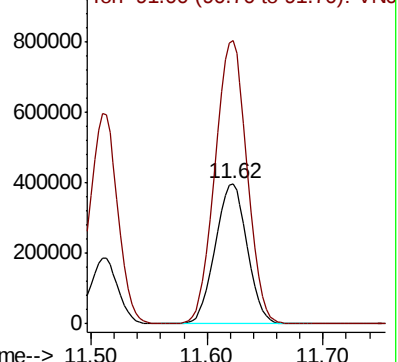
Ion Ratio Lower Upper

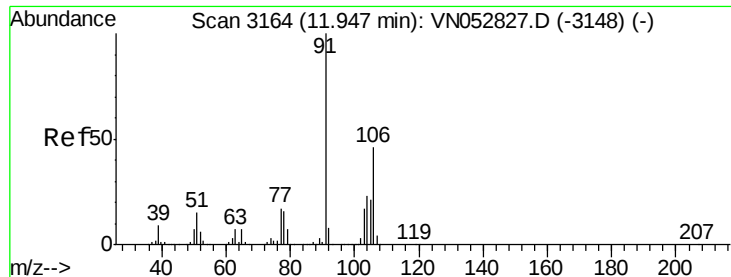
106 100

91 202.5 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052827.D (-3047) (-)

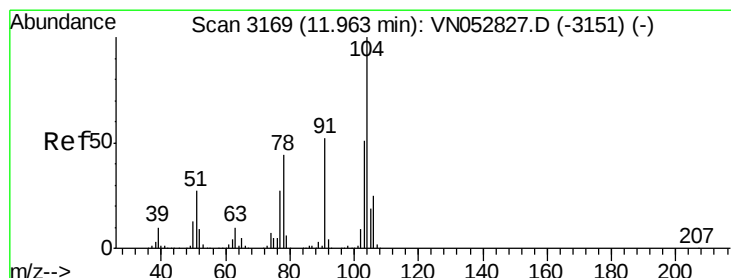
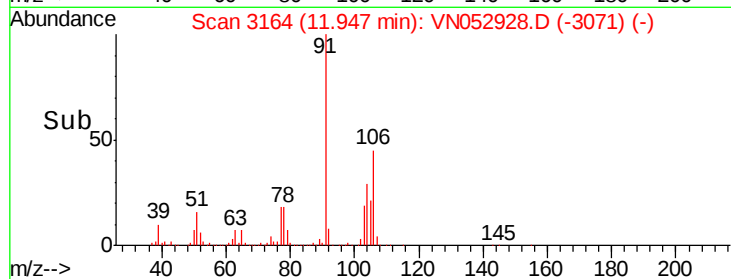
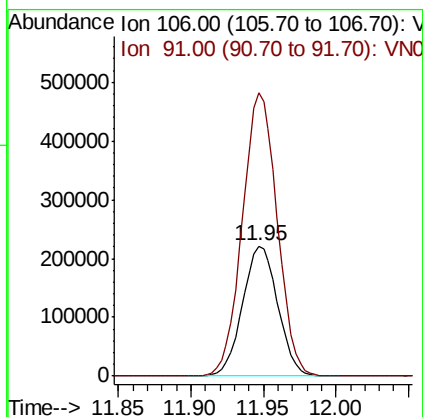
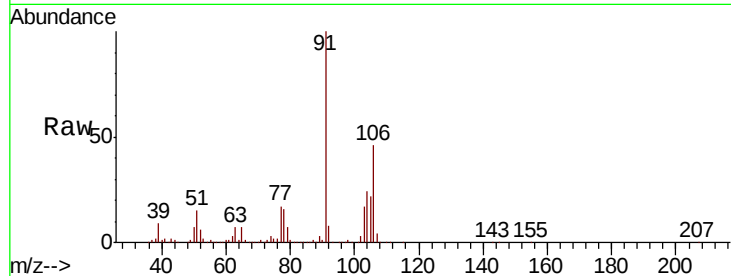




#69
o-Xylene
Concen: 19.855 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

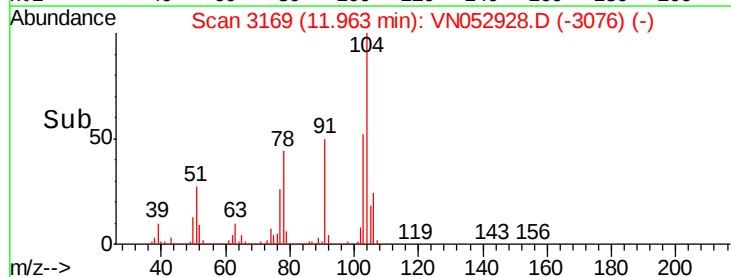
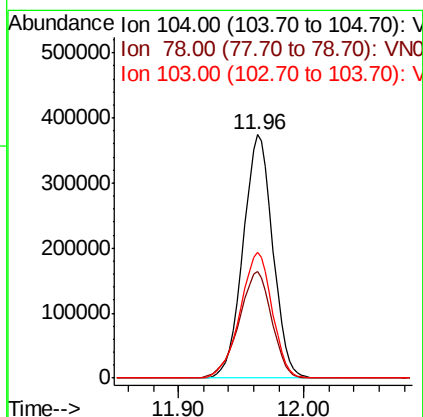
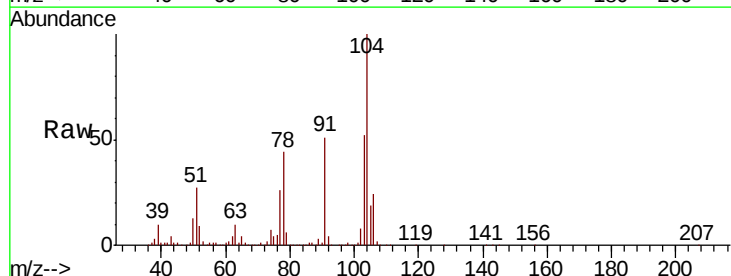
Instrument :
MSVOA_N
ClientSampled :

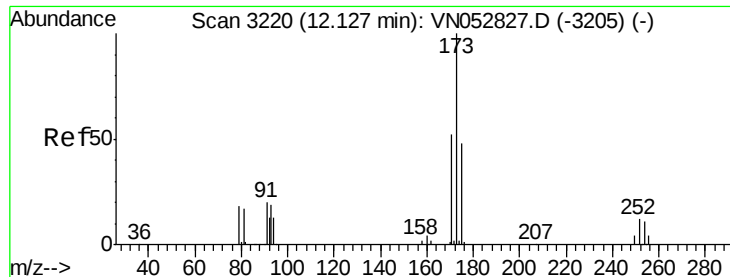
Tot Ion:106 Resp: 373716
Ion Ratio Lower Upper
106 100
91 215.0 106.6 319.8



#70
Styrene
Concen: 20.355 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion:104 Resp: 615889
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 55.9 44.3 66.5





#71

Bromoform

Concen: 19.094 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

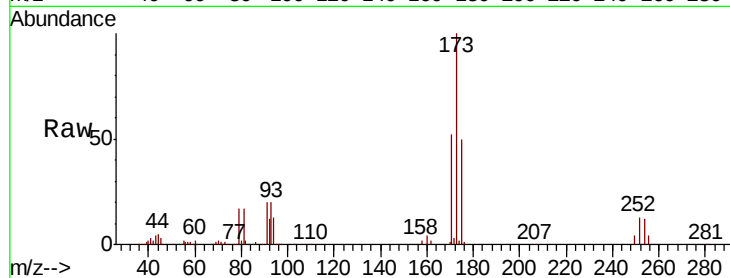
Tot Ion:173 Resp: 134855

Ion Ratio Lower Upper

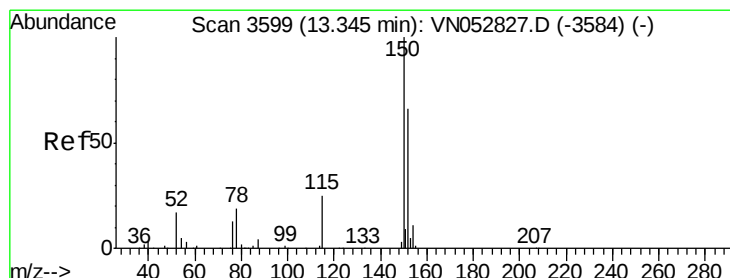
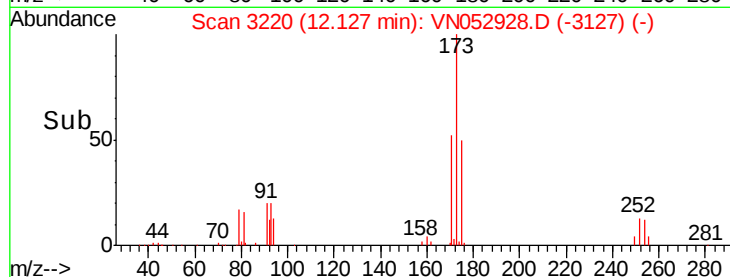
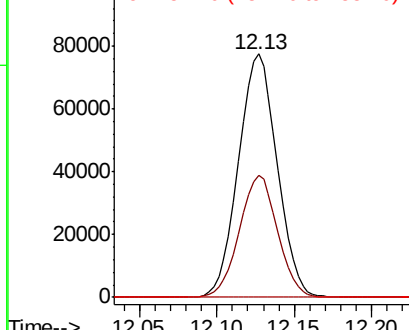
173 100

175 49.3 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: VN052928.D

Acq: 17 Dec 2018 15:37

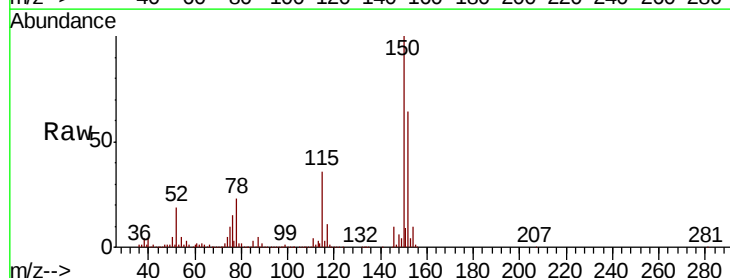
Tgt Ion:152 Resp: 677416

Ion Ratio Lower Upper

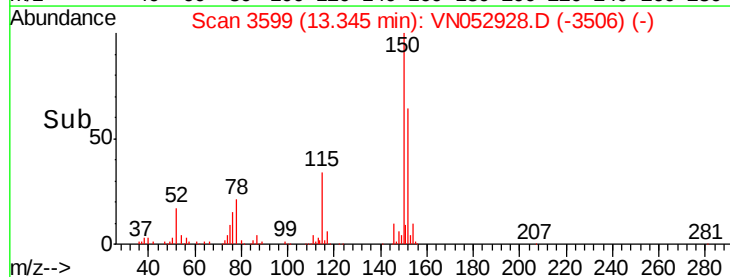
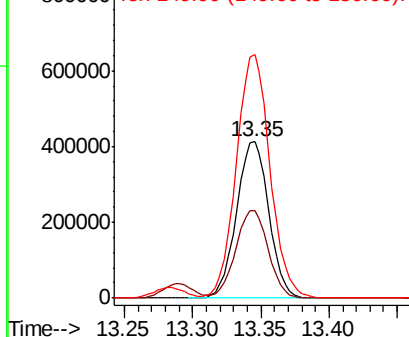
152 100

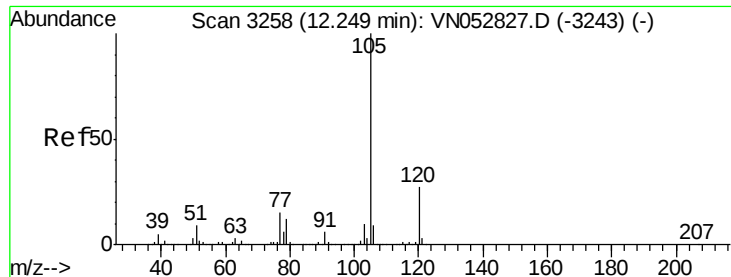
115 56.5 28.3 85.0

150 162.6 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: 19.533 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

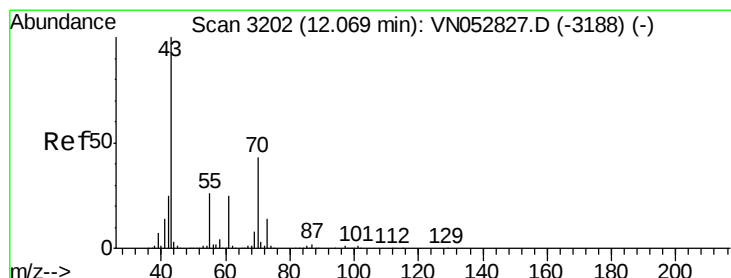
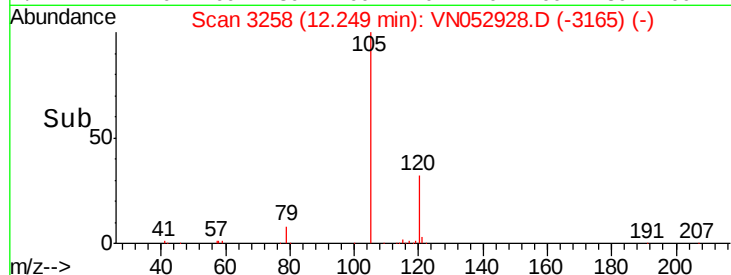
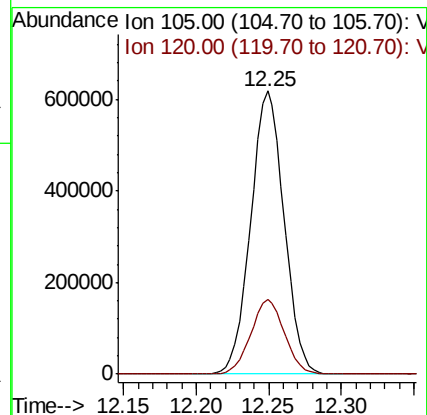
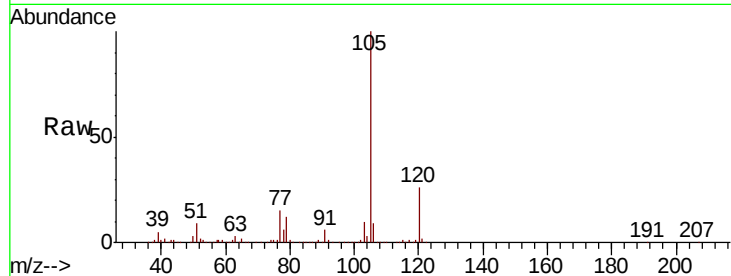
ClientSampled :

Tot Ion:105 Resp: 987930

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 21.926 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 304453

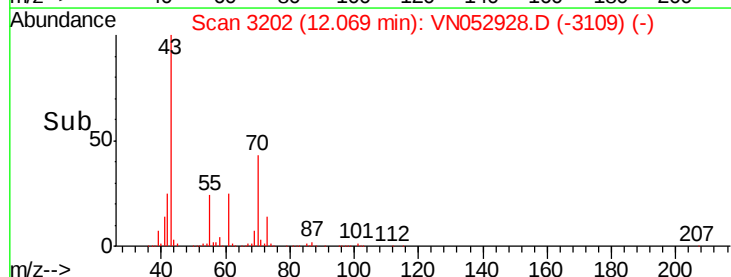
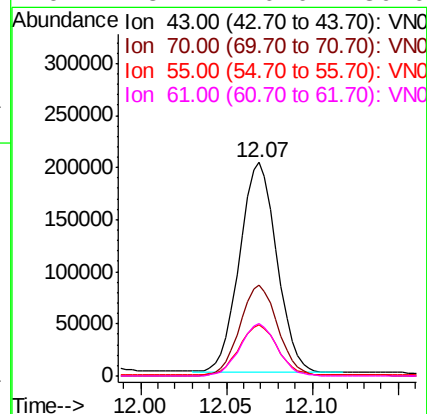
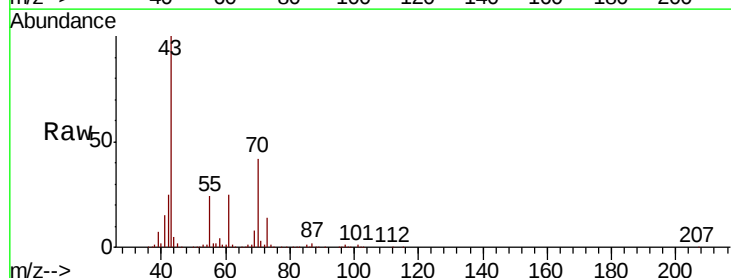
Ion Ratio Lower Upper

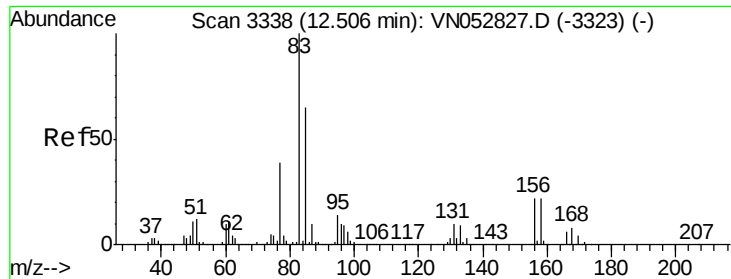
43 100

70 43.4 34.2 51.4

55 24.1 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.378 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

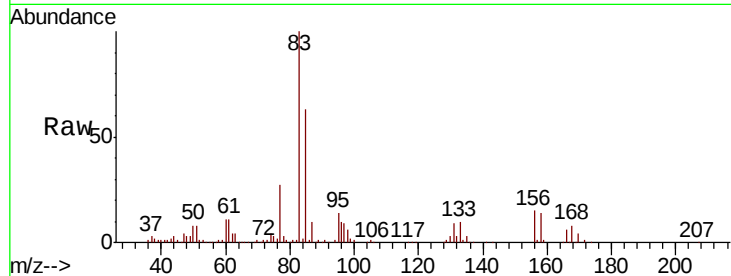
Tot Ion: 83 Resp: 219660

Ion Ratio Lower Upper

83 100

131 9.6 5.2 15.6

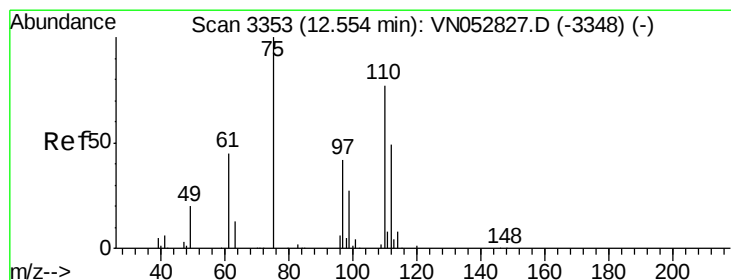
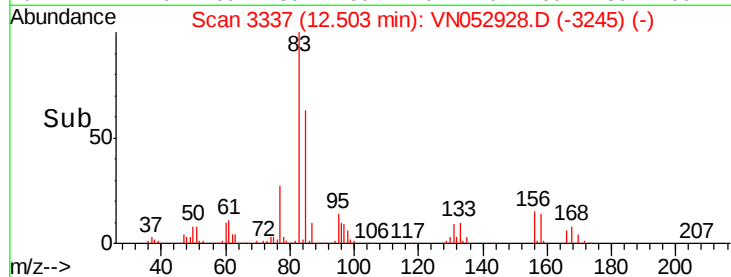
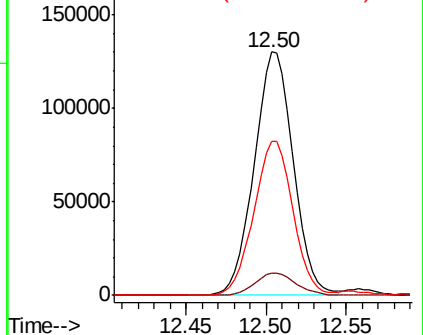
85 63.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.558 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052928.D

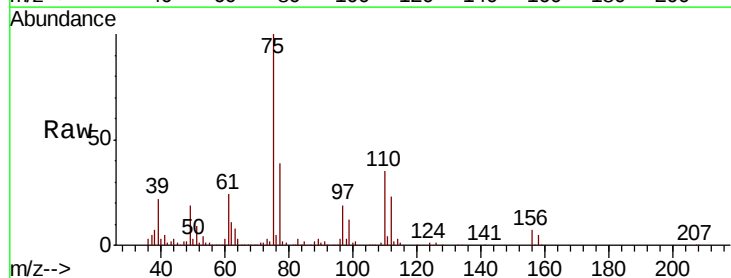
Acq: 17 Dec 2018 15:37

Tgt Ion: 75 Resp: 285428

Ion Ratio Lower Upper

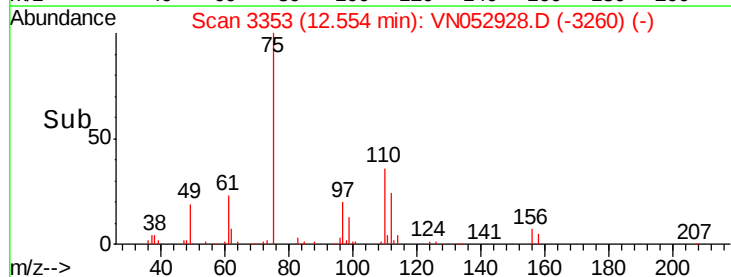
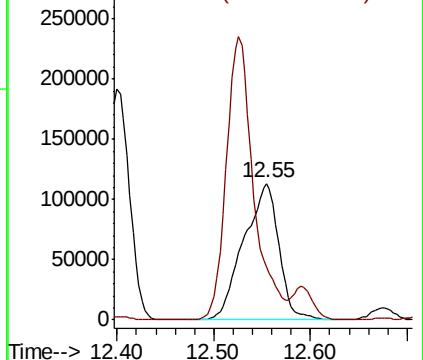
75 100

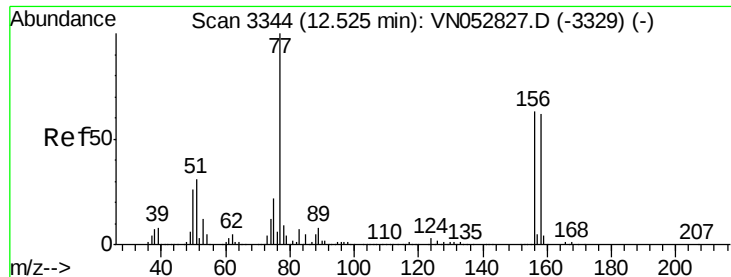
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

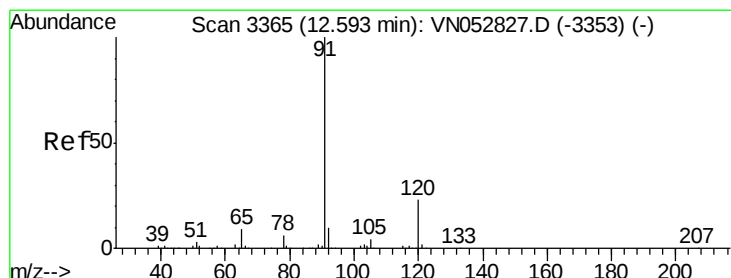
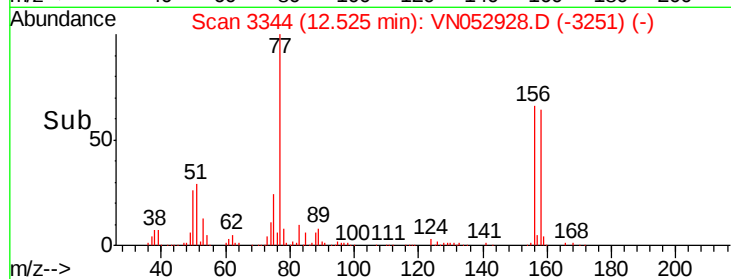
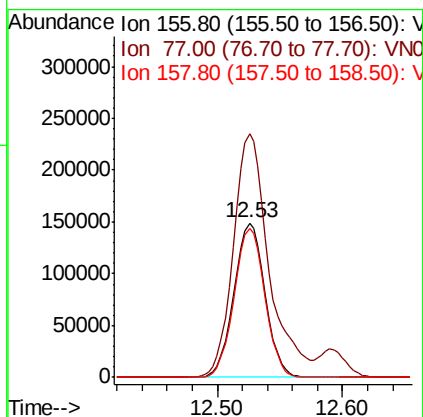
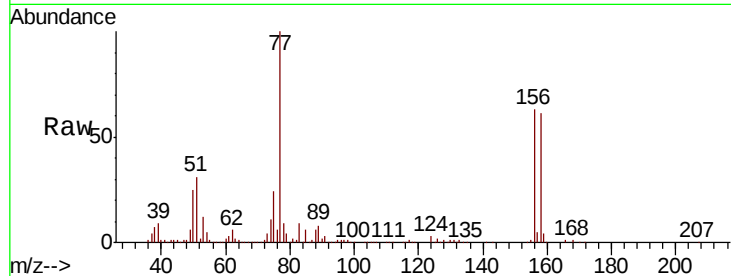




#77
Bromobenzene
Concen: 19.904 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

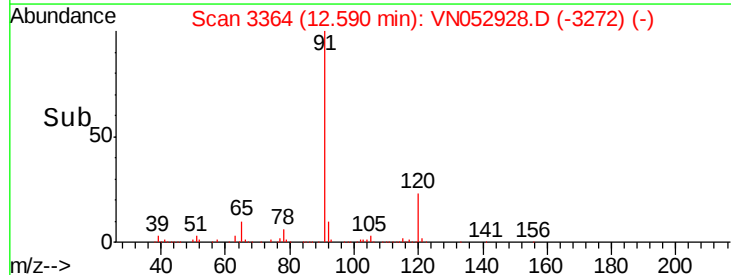
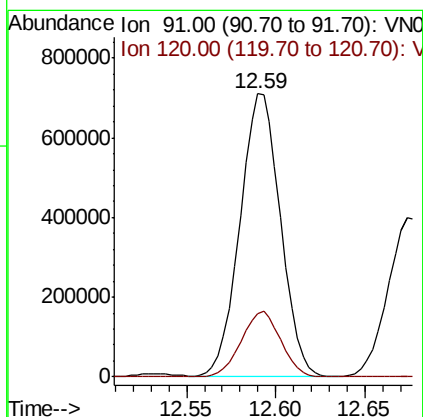
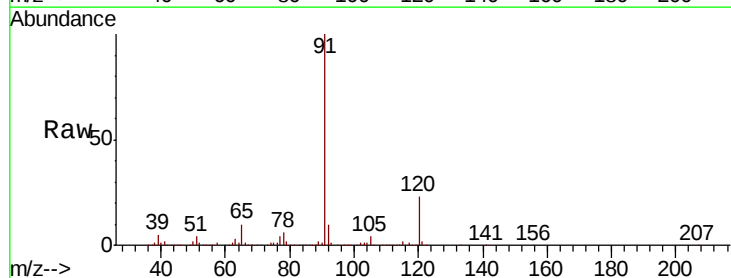
Instrument :
MSVOA_N
ClientSampled :

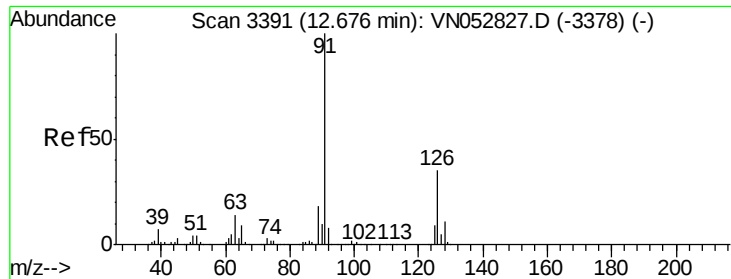
Tot Ion:156 Resp: 256059
Ion Ratio Lower Upper
156 100
77 179.1 91.3 273.8
158 95.2 49.0 147.2



#78
n-propylbenzene
Concen: 19.484 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 91 Resp: 1123916
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.5

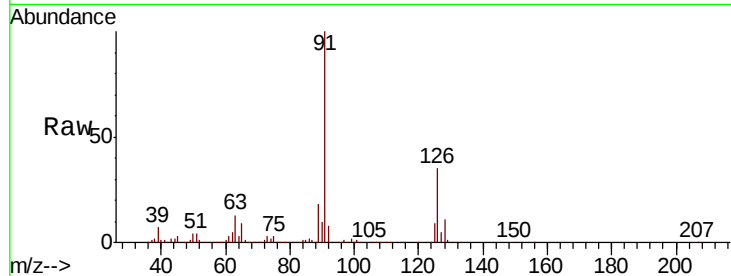




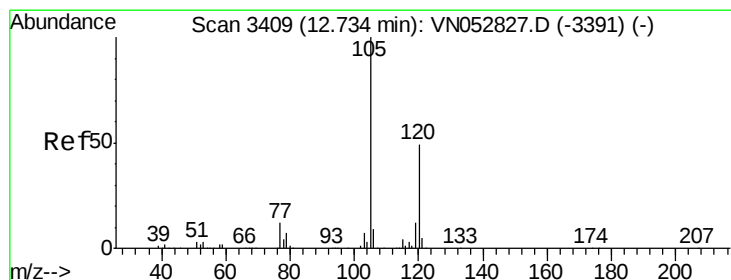
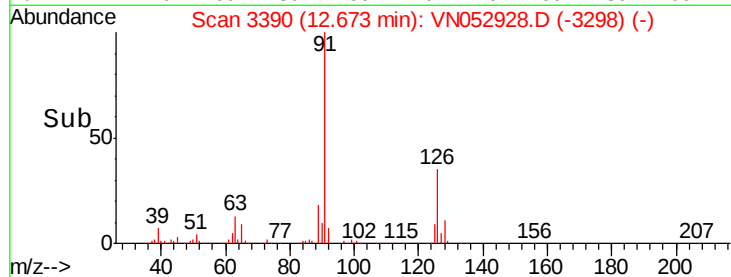
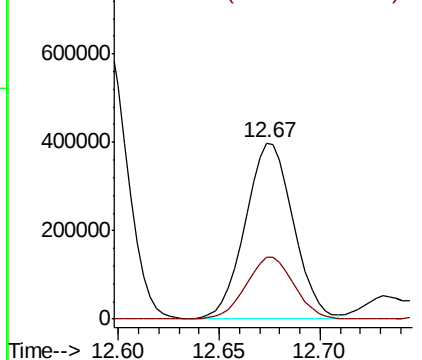
#79
 2-Chlorotoluene
 Concen: 19.390 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91 Resp: 661227
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3

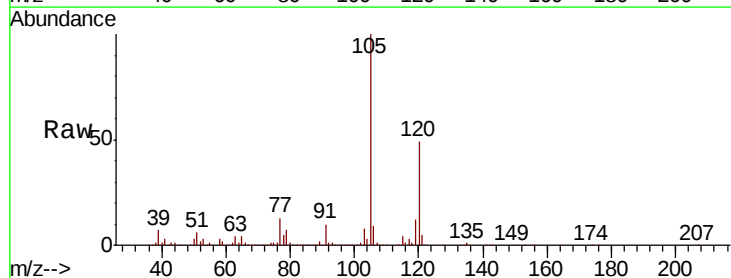


Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)

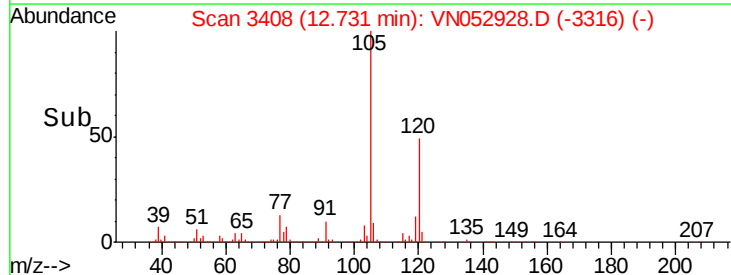
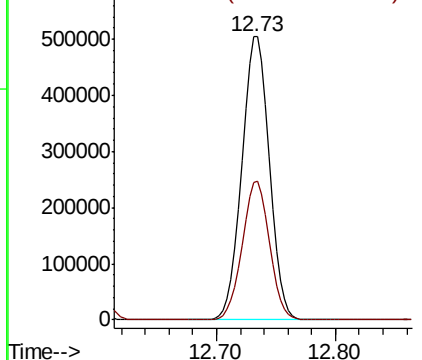


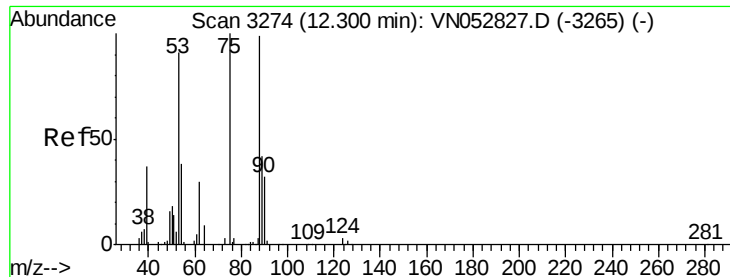
#80
 1,3,5-Trimethylbenzene
 Concen: 19.740 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 105 Resp: 805970
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)
 Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.981 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

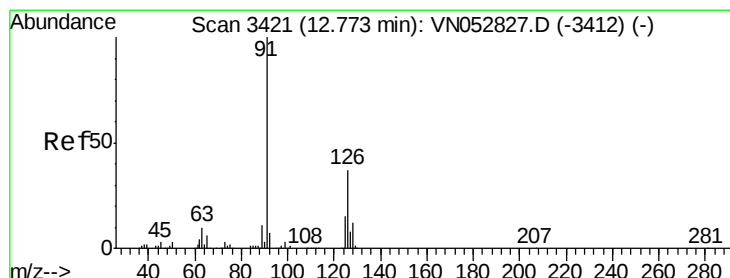
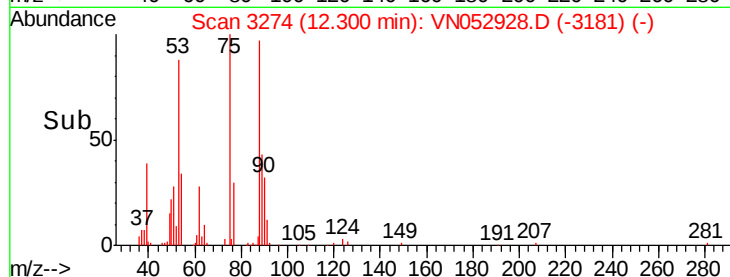
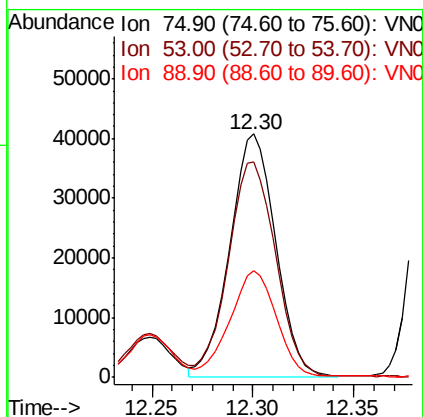
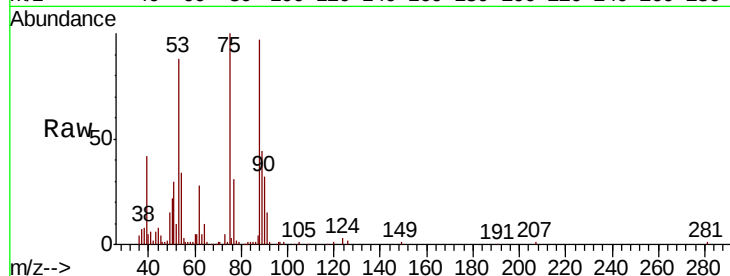
Tot Ion: 75 Resp: 65276

Ion Ratio Lower Upper

75 100

53 90.9 74.7 112.1

89 43.6 36.1 54.1



#82

4-Chlorotoluene

Concen: 19.521 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052928.D

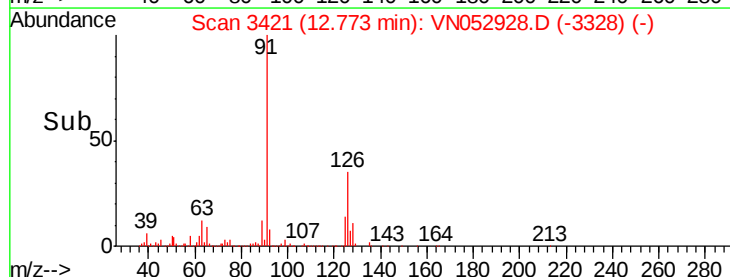
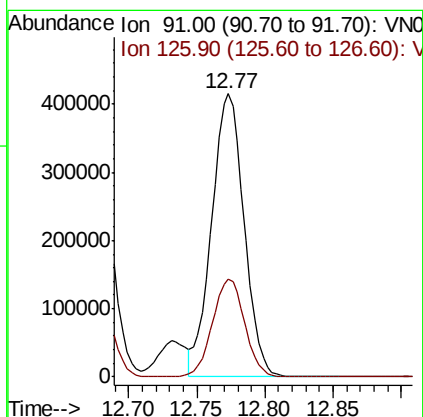
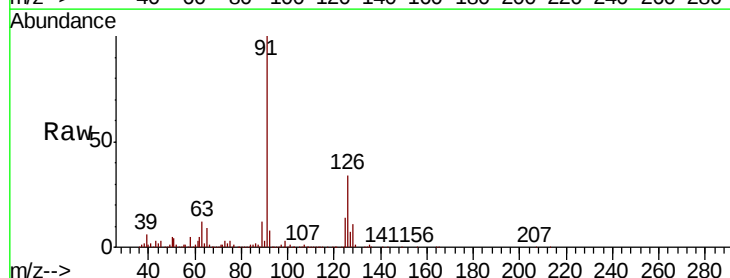
Acq: 17 Dec 2018 15:37

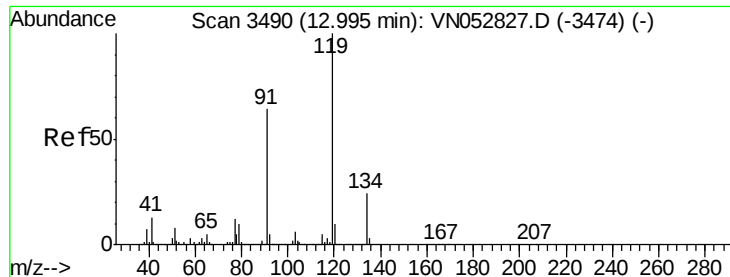
Tgt Ion: 91 Resp: 680630

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7

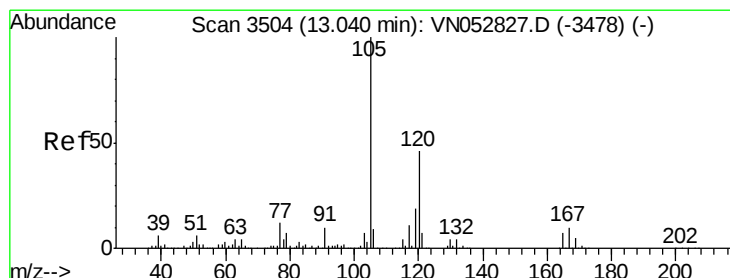
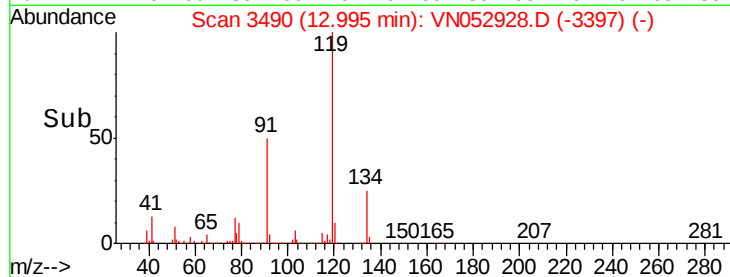
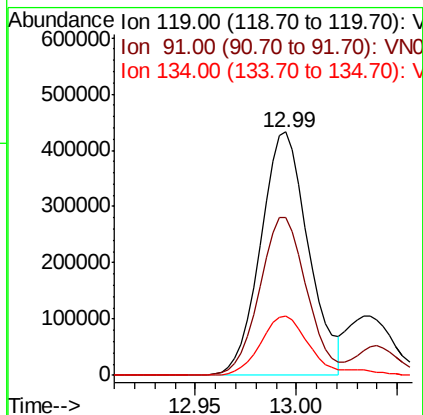
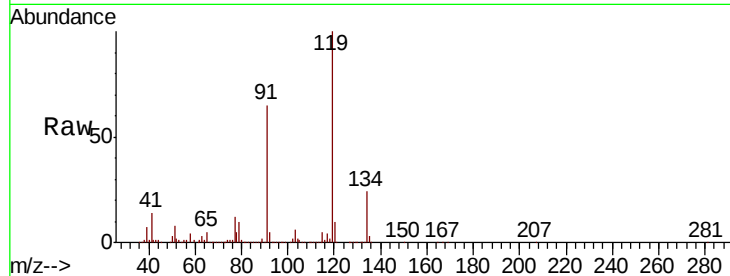




#83
 tert-Butylbenzene
 Concen: 19.806 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

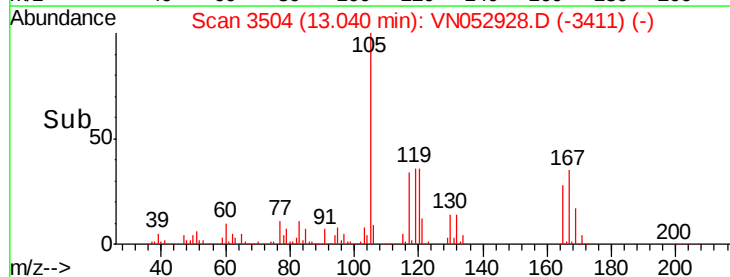
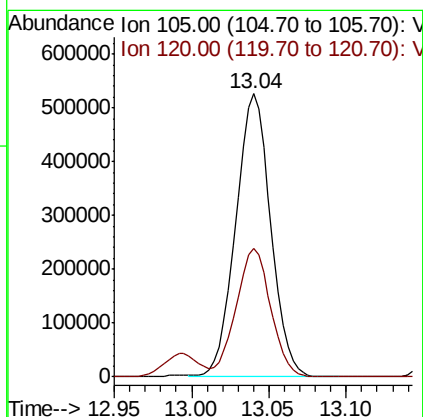
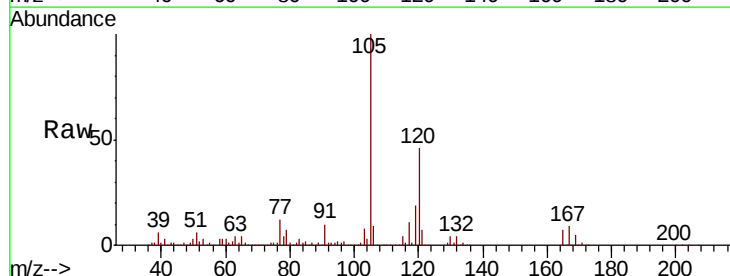
Instrument :
 MSVOA_N
 ClientSampled :

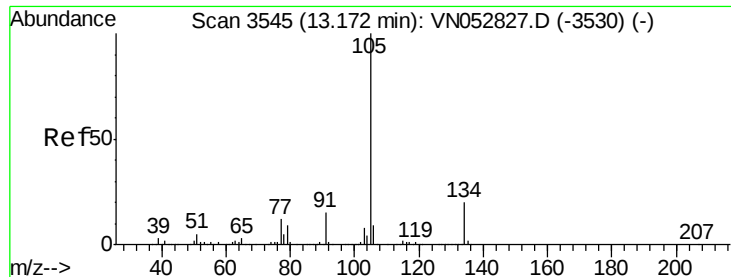
Tot Ion:119 Resp: 713333
 Ion Ratio Lower Upper
 119 100
 91 64.1 31.9 95.5
 134 25.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.886 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion:105 Resp: 821952
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.509 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

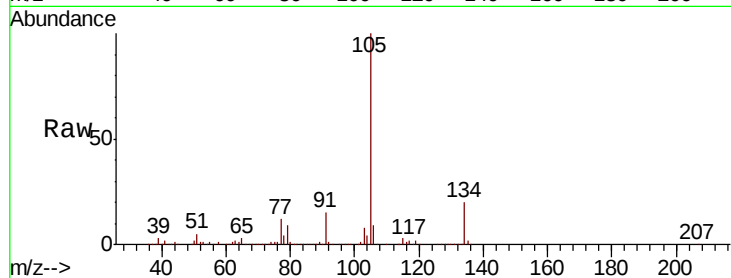
ClientSampleId :

Tot Ion:105 Resp: 951604

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

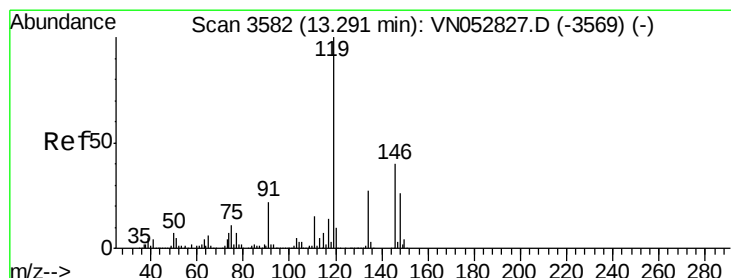
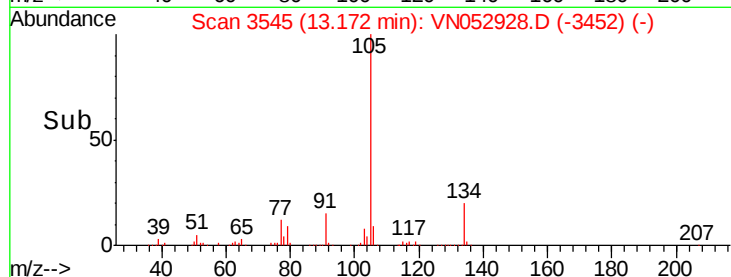
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.636 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

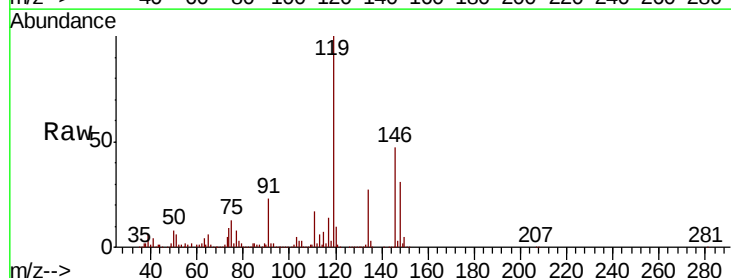
Tgt Ion:119 Resp: 829817

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 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

13.29

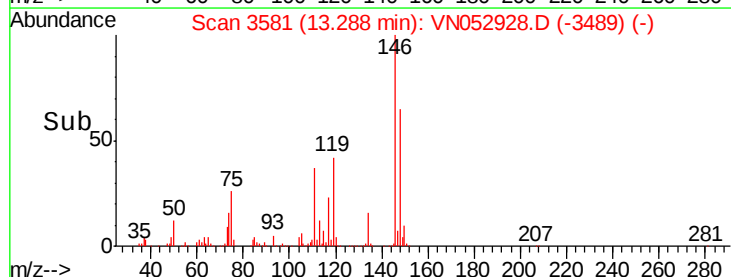
600000

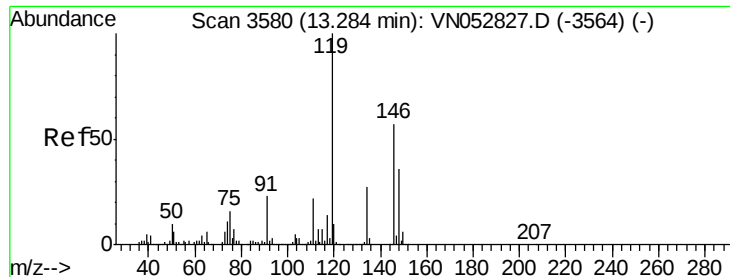
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.229 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

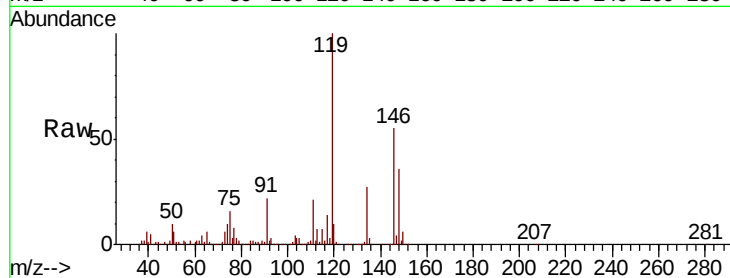
Tot Ion:146 Resp: 439593

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

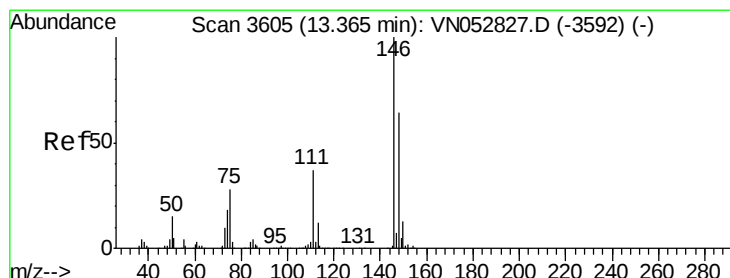
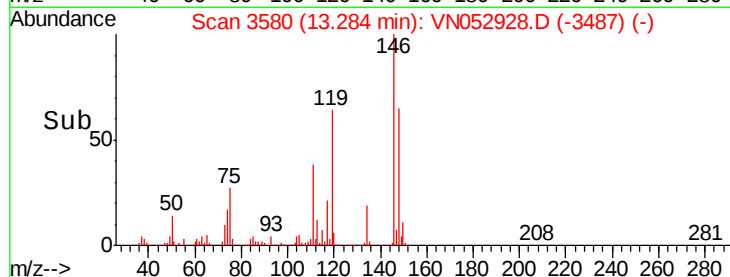
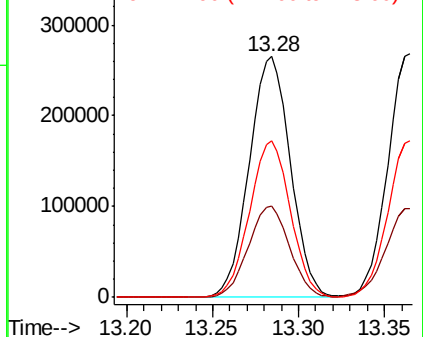
148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

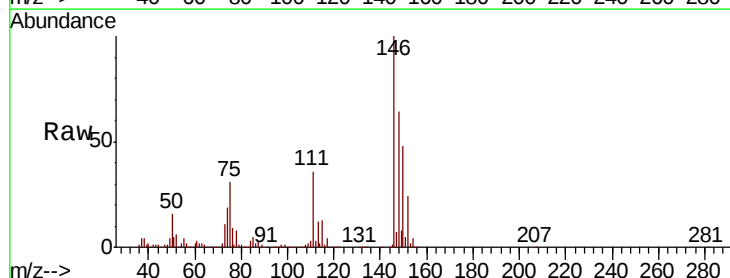
Tgt Ion:146 Resp: 439902

Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

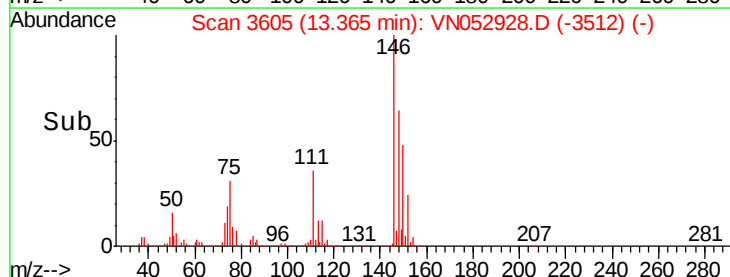
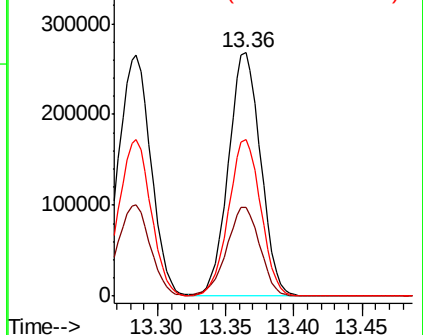
148 64.3 32.1 96.5

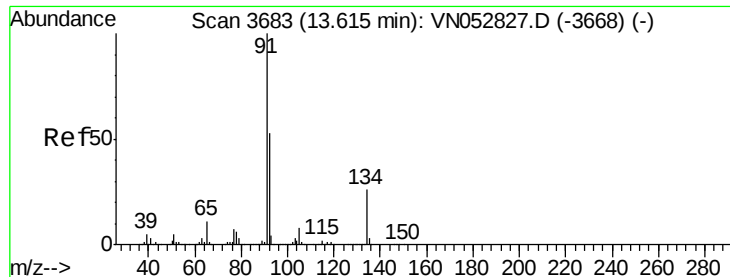


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.797 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

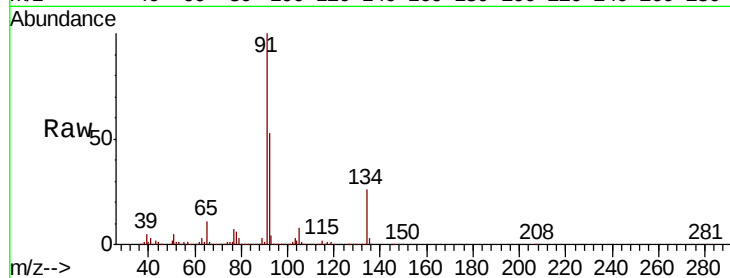
Tot Ion: 91 Resp: 704267

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 26.4 13.3 39.8

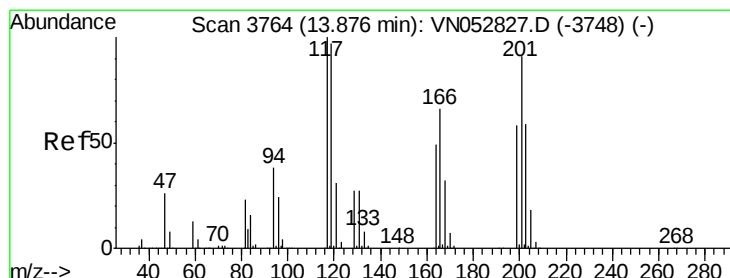
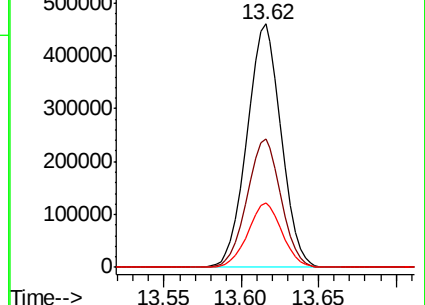
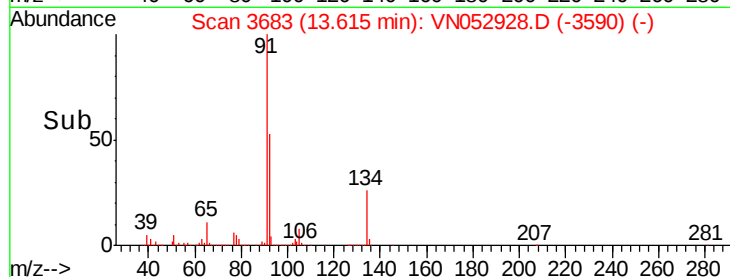


Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 16.542 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052928.D

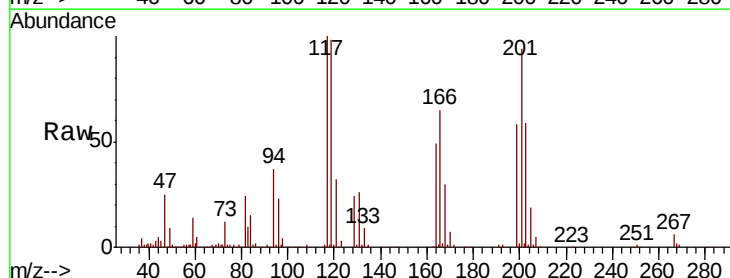
Acq: 17 Dec 2018 15:37

Tgt Ion: 117 Resp: 117058

Ion Ratio Lower Upper

117 100

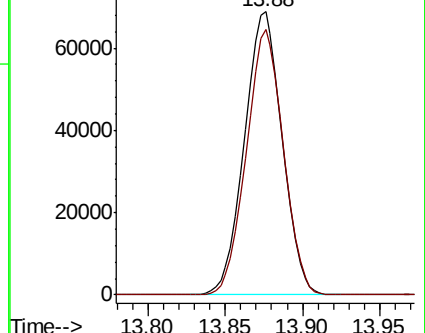
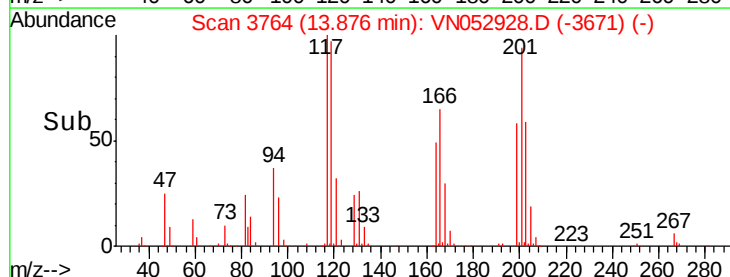
201 91.6 45.7 137.1

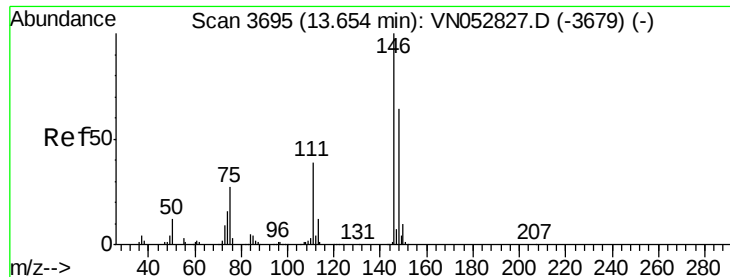


Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.483 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

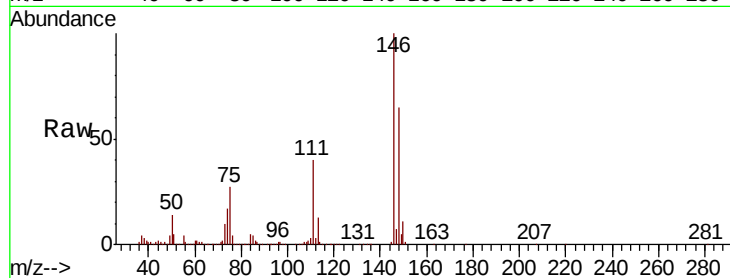
Tot Ion:146 Resp: 428447

Ion Ratio Lower Upper

146 100

111 39.7 19.7 59.0

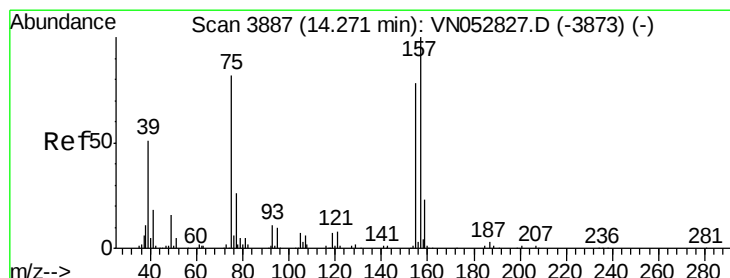
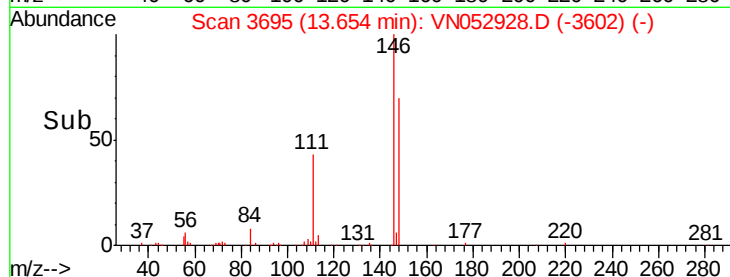
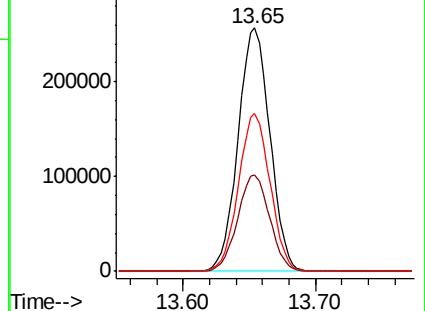
148 64.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.937 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

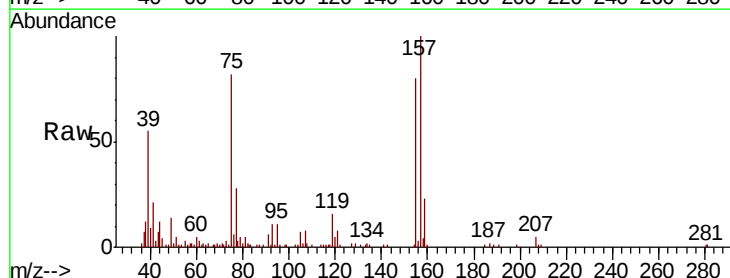
Tgt Ion: 75 Resp: 35775

Ion Ratio Lower Upper

75 100

155 93.6 48.2 144.6

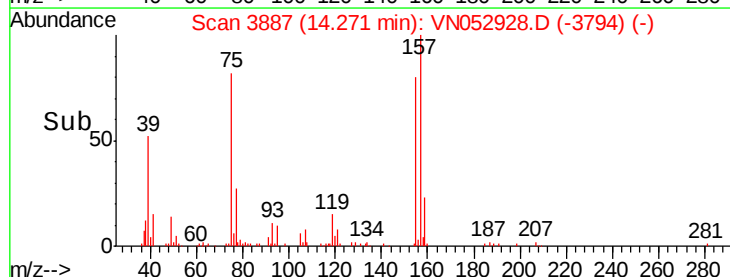
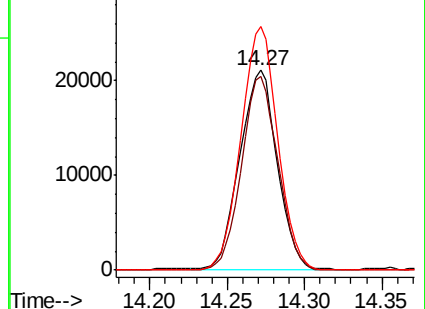
157 118.6 61.2 183.5

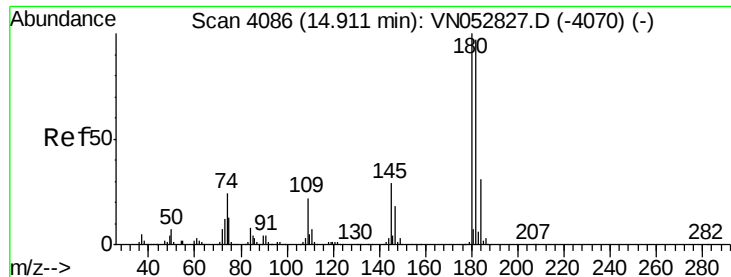


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

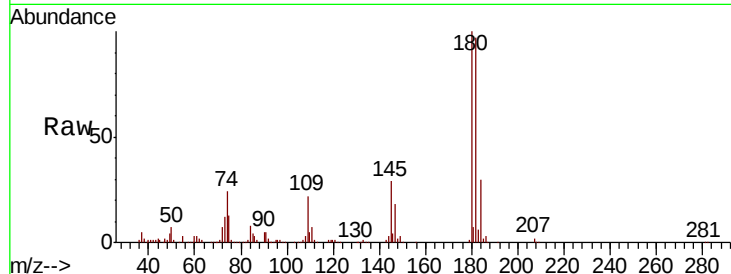




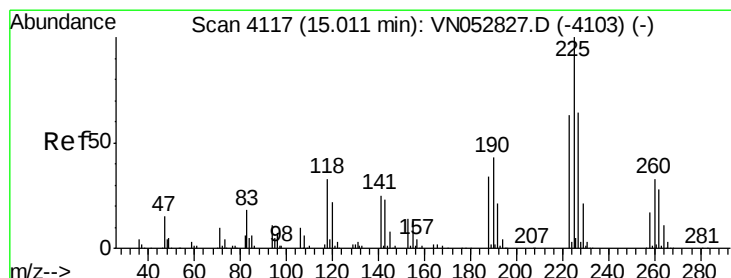
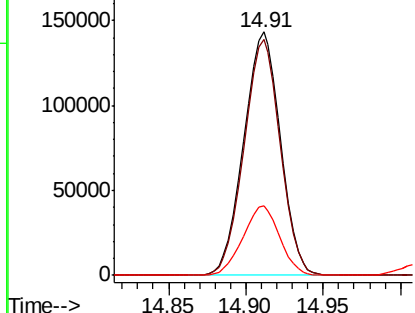
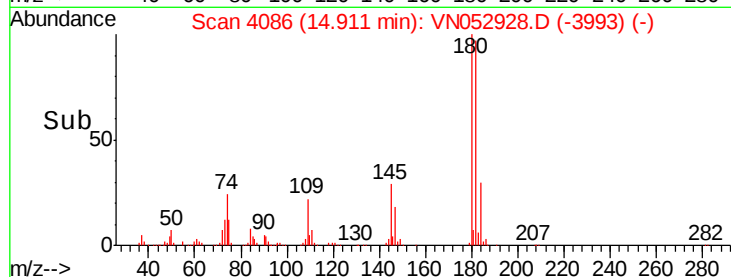
#93
 1,2,4-Trichlorobenzene
 Concen: 19.810 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 236808
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.8 143.3
 145 28.7 14.2 42.6

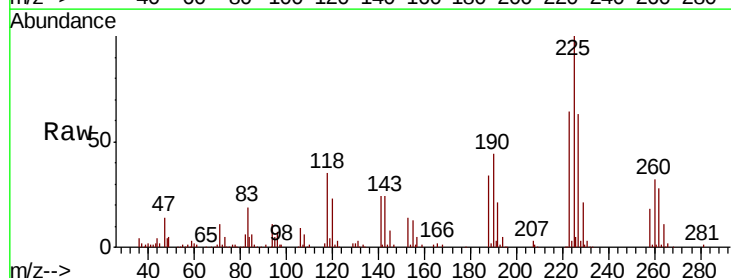


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

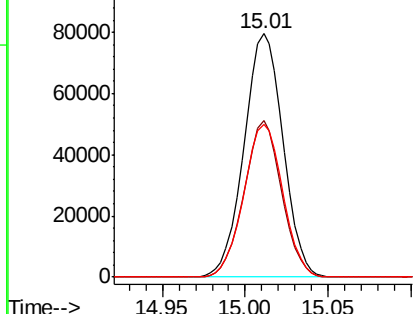
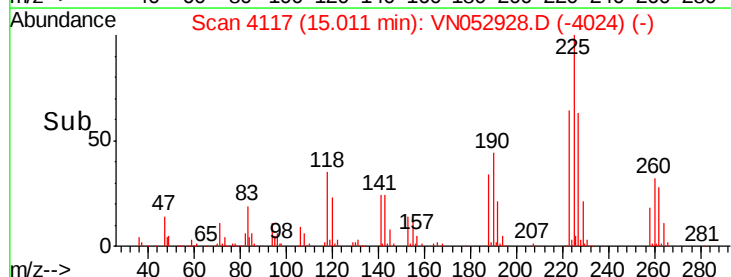


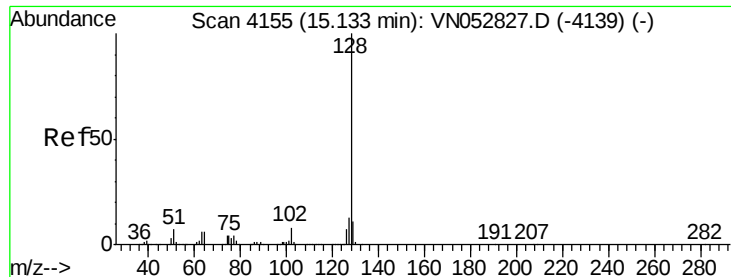
#94
 Hexachlorobutadiene
 Concen: 18.846 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion:225 Resp: 130397
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.5 94.5
 227 62.9 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: 21.226 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

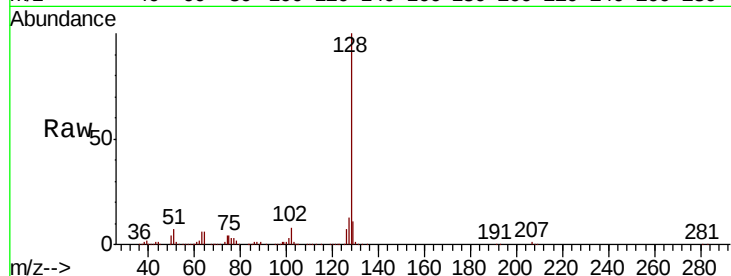
Tot Ion:128 Resp: 525523

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

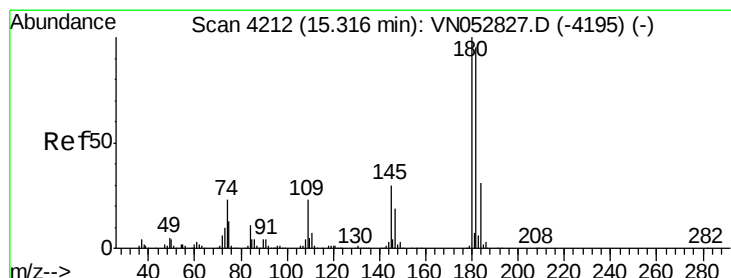
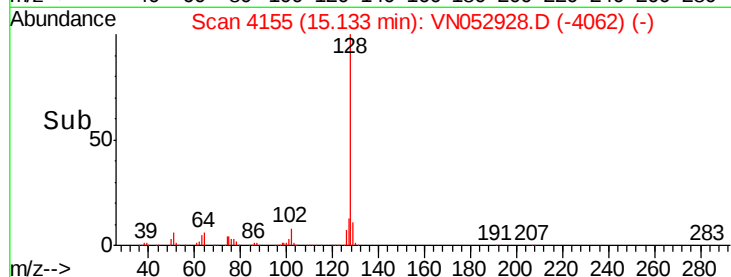
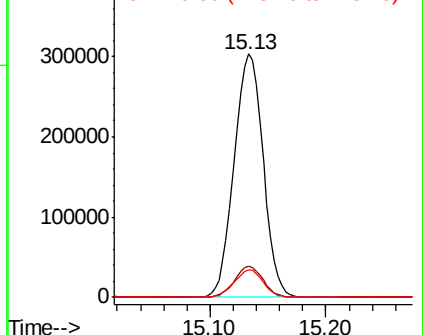
129 11.1 8.6 13.0



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: 18.986 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

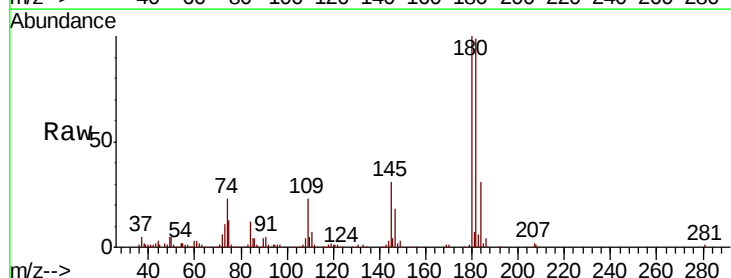
Tgt Ion:180 Resp: 208253

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 30.5 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

