

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052688.D
 Acq On : 6 Dec 2018 9:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:35:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	967676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1443679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1292053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	545842	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	496798	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
50) Toluene-d8	10.09	98	1898235	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
62) 4-Bromofluorobenzene	12.40	95	659003	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	412916	45.572	ug/l	96
3) Chloromethane	2.06	50	525390	43.928	ug/l	99
4) Vinyl Chloride	2.19	62	557422	45.370	ug/l	99
5) Bromomethane	2.57	94	340972	44.480	ug/l	100
6) Chloroethane	2.71	64	343006	46.091	ug/l	100
7) Trichlorofluoromethane	3.02	101	740218	49.048	ug/l	99
8) Diethyl Ether	3.41	74	275153	49.371	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484848	51.487	ug/l	99
10) Methyl Iodide	3.95	142	680252	54.236	ug/l	100
11) Tert butyl alcohol	4.77	59	133845	253.748	ug/l	99
12) 1,1-Dichloroethene	3.74	96	438084	48.329	ug/l	99
13) Acrolein	3.60	56	184797	201.578	ug/l	99
14) Allyl chloride	4.33	41	769036	49.225	ug/l	98
15) Acrylonitrile	4.98	53	832670	249.379	ug/l	99
16) Acetone	3.81	43	834002	300.105	ug/l	98
17) Carbon Disulfide	4.06	76	1237654	43.387	ug/l	99
18) Methyl Acetate	4.32	43	423492	53.125	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1221351	50.642	ug/l	99
20) Methylene Chloride	4.55	84	516464	47.490	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	477731	49.346	ug/l	98
22) Diisopropyl ether	5.95	45	1654096	50.405	ug/l	98
23) Vinyl Acetate	5.89	43	5105150	249.766	ug/l	99
24) 1,1-Dichloroethane	5.85	63	943999	50.382	ug/l	100
25) 2-Butanone	6.83	43	1057331	268.427	ug/l	97
26) 2,2-Dichloropropane	6.82	77	699299	53.921	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	565484	50.143	ug/l	99
28) Bromochloromethane	7.19	49	425221	49.687	ug/l	97
29) Tetrahydrofuran	7.21	42	615882	242.413	ug/l	99
30) Chloroform	7.37	83	928712	49.680	ug/l	99
31) Cyclohexane	7.65	56	851945	46.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	762318	51.469	ug/l	99
36) 1,1-Dichloropropene	7.79	75	706452	51.819	ug/l	99
37) Ethyl Acetate	6.93	43	422108	50.733	ug/l	99
38) Carbon Tetrachloride	7.77	117	671799	54.434	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	862101	52.026	ug/l	99
40) Benzene	8.04	78	2129270	52.407	ug/l	99
41) Methacrylonitrile	7.17	41	239858	52.731	ug/l	96
42) 1,2-Dichloroethane	8.12	62	651279	52.941	ug/l	99
43) Isopropyl Acetate	8.16	43	738918	52.479	ug/l	99
44) Trichloroethene	8.83	130	553151	53.151	ug/l	98
45) 1,2-Dichloropropane	9.12	63	568884	52.666	ug/l	99
46) Dibromomethane	9.21	93	325099	54.367	ug/l	99
47) Bromodichloromethane	9.40	83	715806	55.058	ug/l	100
48) Methyl methacrylate	9.20	41	379725	51.721	ug/l	98
49) 1,4-Dioxane	9.20	88	84325	1106.691	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2113113	267.483	ug/l	99
52) Toluene	10.16	92	1308694	54.214	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	706451	56.484	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	830655	55.421	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	468472	55.172	ug/l	100
56) Ethyl methacrylate	10.43	69	589780	50.019	ug/l	98
57) 1,3-Dichloropropane	10.71	76	798416	53.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1736410	281.820	ug/l	99
59) 2-Hexanone	10.75	43	1544375	291.276	ug/l	99
60) Dibromochloromethane	10.90	129	526310	57.069	ug/l	99
61) 1,2-Dibromoethane	11.01	107	453802	53.809	ug/l	100
64) Tetrachloroethene	10.63	164	560991	56.000	ug/l	99
65) Chlorobenzene	11.43	112	1442348	54.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	512502	55.325	ug/l	99
67) Ethyl Benzene	11.51	91	2537689	54.393	ug/l	99
68) m/p-Xylenes	11.62	106	1918826	110.478	ug/l	99
69) o-Xylene	11.95	106	924281	54.801	ug/l	100
70) Styrene	11.96	104	1536523	57.197	ug/l	99
71) Bromoform	12.13	173	351745	57.347	ug/l #	99
73) Isopropylbenzene	12.25	105	2513963	52.000	ug/l	99
74) N-amyl acetate	12.07	43	636065	52.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	545020	49.558	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	697056	73.357	ug/l #	100
77) Bromobenzene	12.53	156	621145	51.980	ug/l	98
78) n-propylbenzene	12.59	91	2941936	53.565	ug/l	100
79) 2-Chlorotoluene	12.67	91	1676093	51.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2048047	53.117	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156361	54.952	ug/l	100
82) 4-Chlorotoluene	12.77	91	1729351	52.463	ug/l	99
83) tert-Butylbenzene	12.99	119	1814559	52.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2077526	53.765	ug/l	100
85) sec-Butylbenzene	13.17	105	2510224	53.616	ug/l	99
86) p-Isopropyltoluene	13.29	119	2166546	54.331	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1119299	53.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1104483	53.644	ug/l	100
89) n-Butylbenzene	13.62	91	1889293	56.969	ug/l	100
90) Hexachloroethane	13.88	117	367860	54.481	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1067833	53.471	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81487	51.807	ug/l	95

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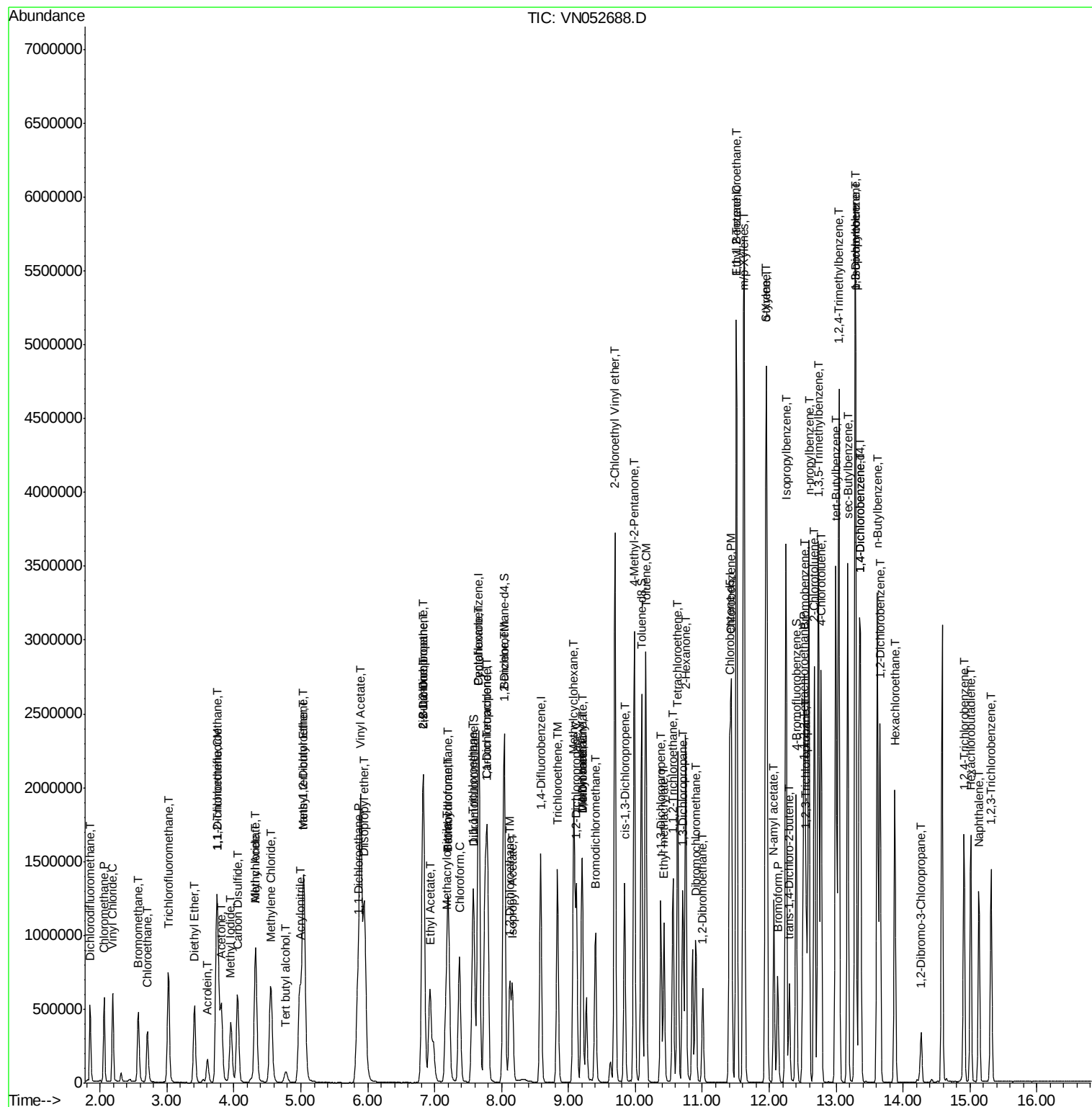
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	581928	53.013	ug/l	100
94) Hexachlorobutadiene	15.01	225	350026	54.483	ug/l	99
95) Naphthalene	15.13	128	1137358	49.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	536157	53.124	ug/l	99

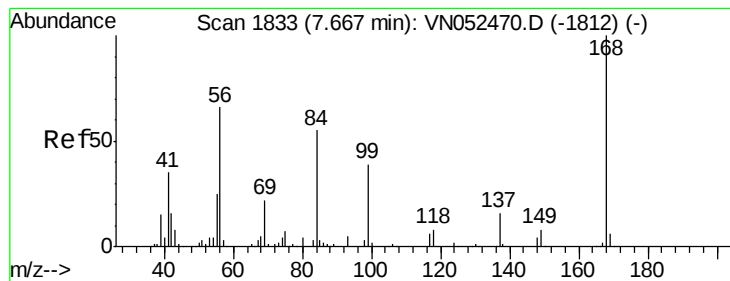
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120618\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

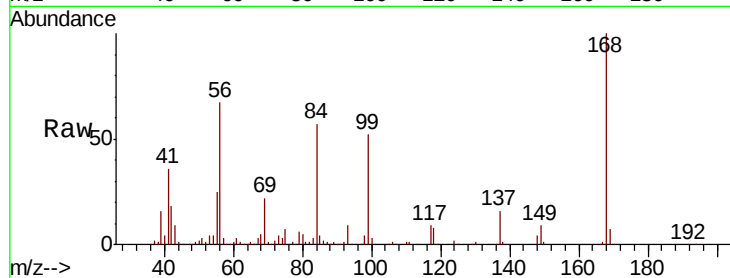
ClientSampleId :

Tot Ion:168 Resp: 967676

Ion Ratio Lower Upper

168 100

99 51.5 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

200000

100000

0

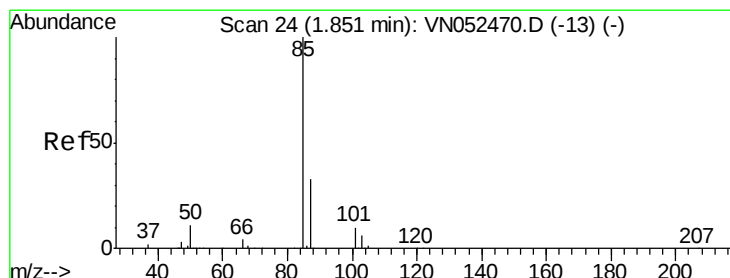
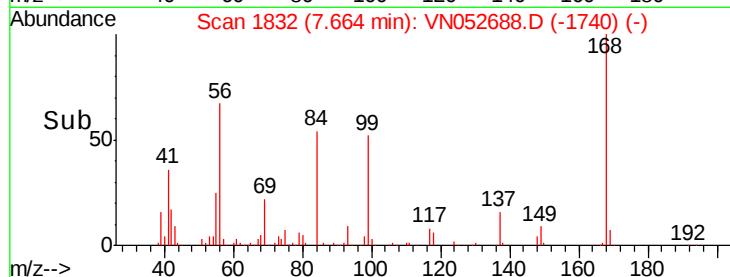
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.572 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052688.D

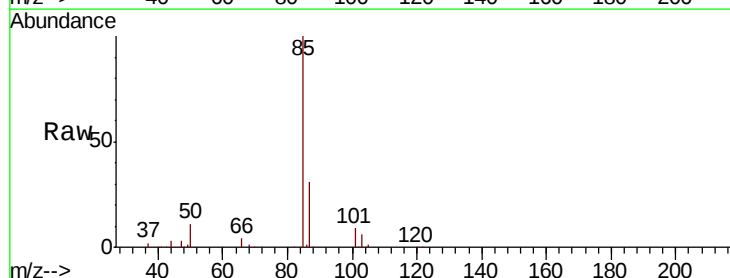
Acq: 6 Dec 2018 9:25

Tgt Ion: 85 Resp: 412916

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

200000

100000

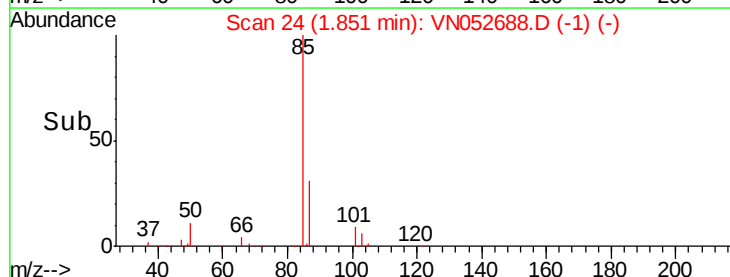
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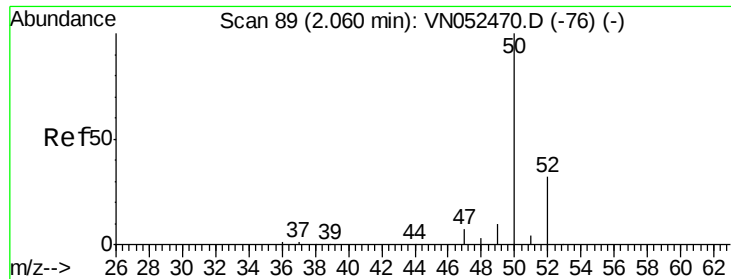
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 43.928 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

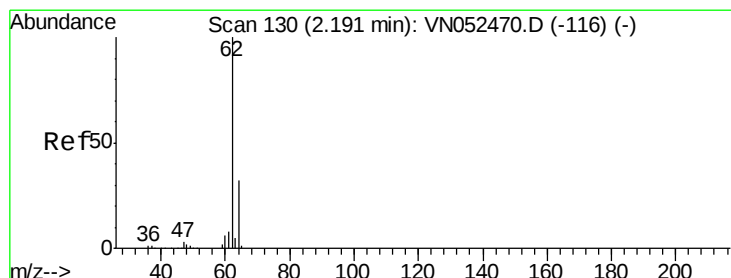
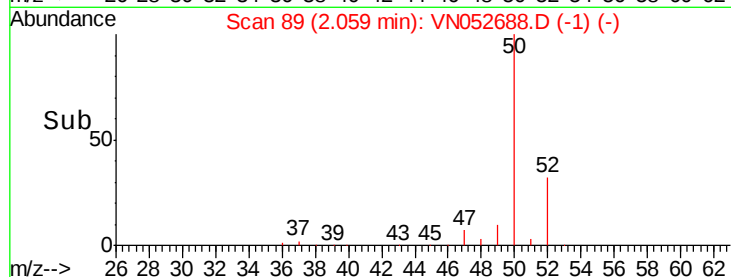
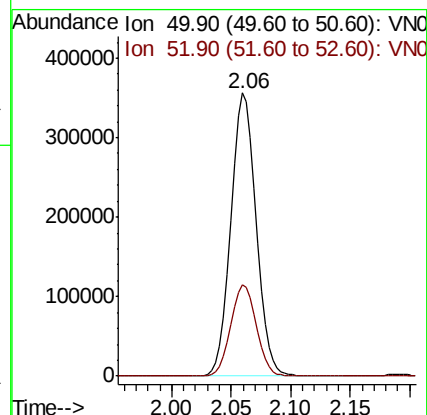
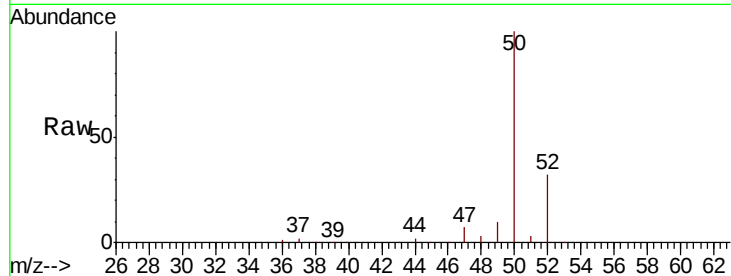
ClientSampled :

Tot Ion: 50 Resp: 525390

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9



#4

Vinyl Chloride

Concen: 45.370 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052688.D

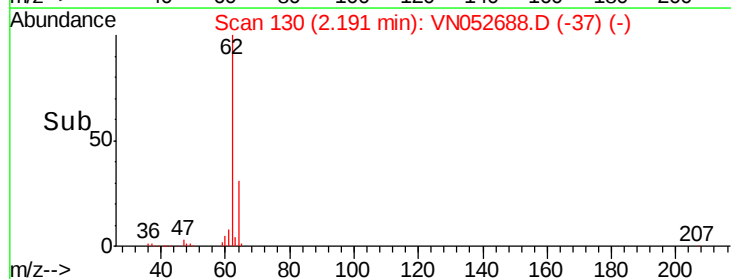
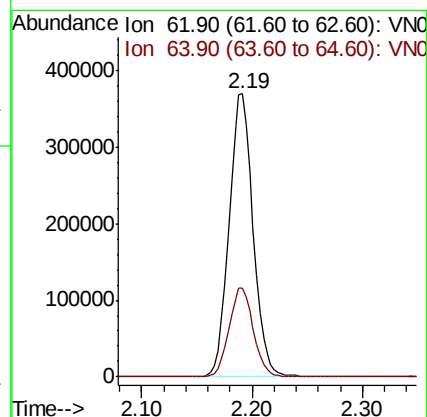
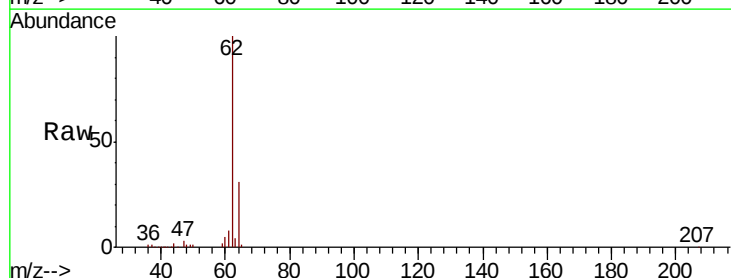
Acq: 6 Dec 2018 9:25

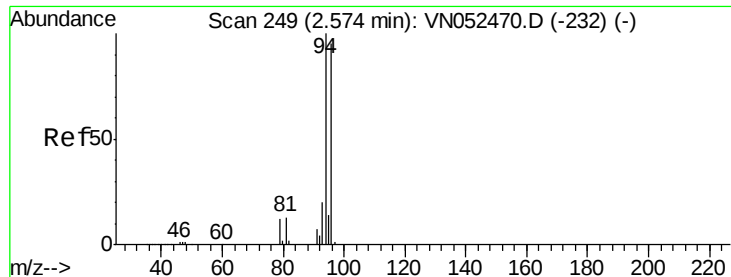
Tgt Ion: 62 Resp: 557422

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 44.480 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

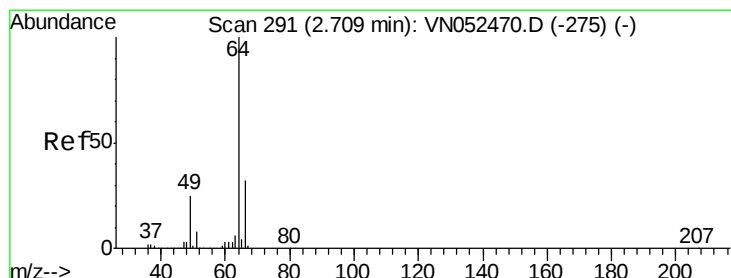
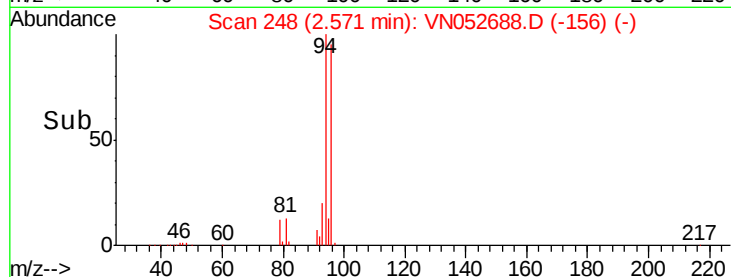
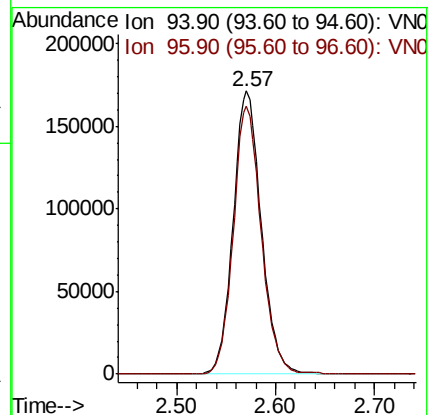
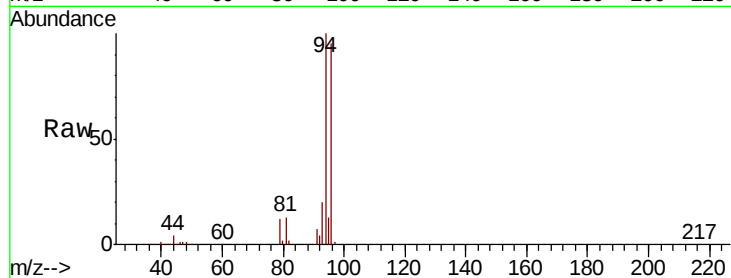
ClientSampleId :

Tot Ion: 94 Resp: 340972

Ion Ratio Lower Upper

94 100

96 94.8 75.8 113.8



#6

Chloroethane

Concen: 46.091 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052688.D

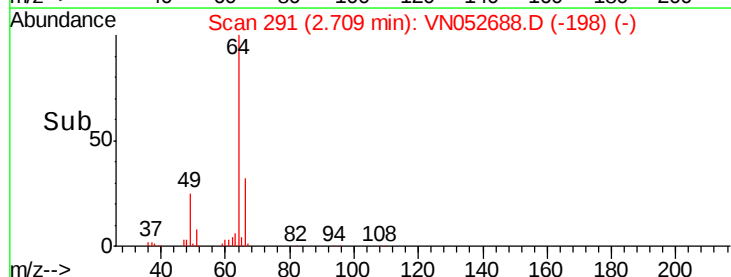
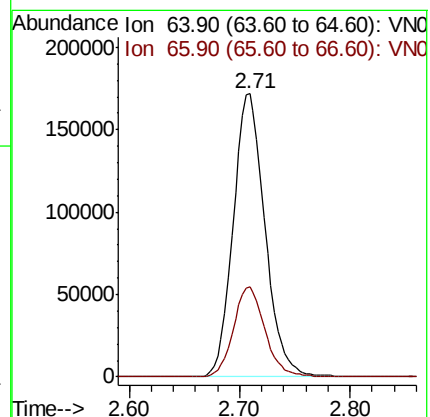
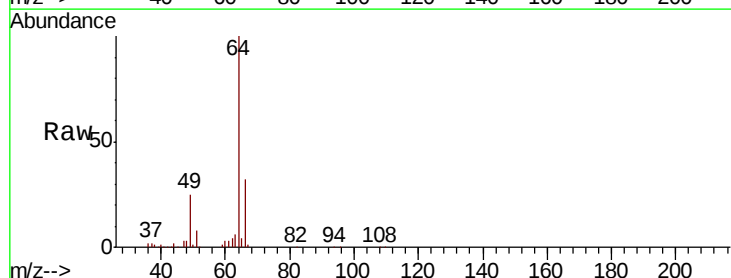
Acq: 6 Dec 2018 9:25

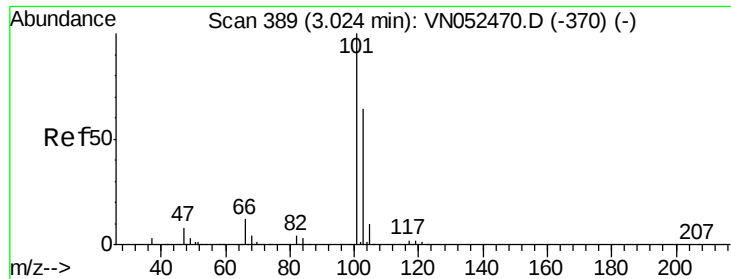
Tgt Ion: 64 Resp: 343006

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



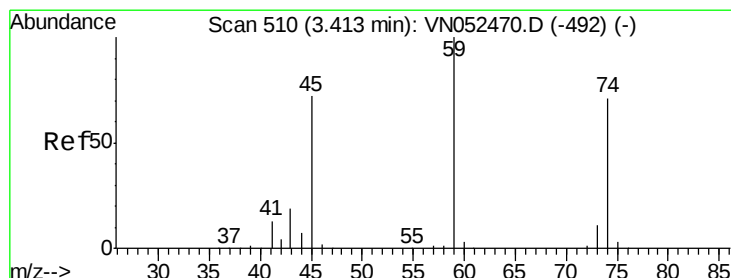
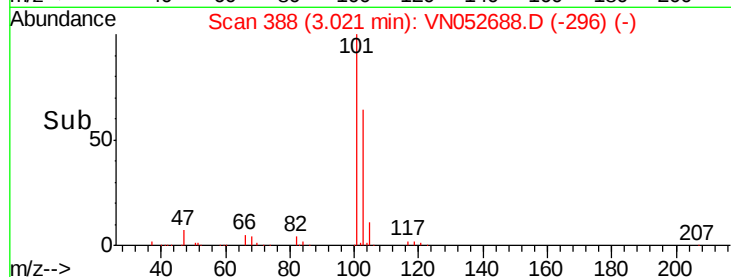
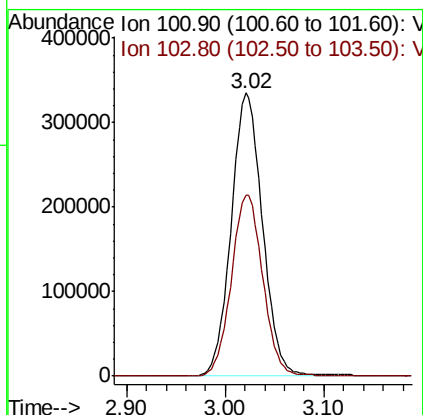
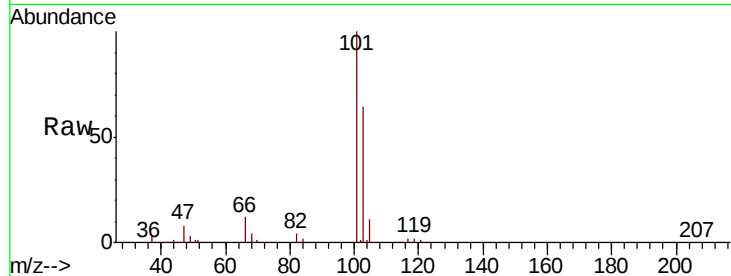


#7

Trichlorofluoromethane
 Concen: 49.048 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :

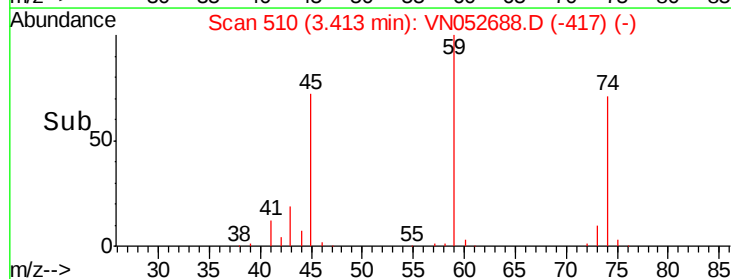
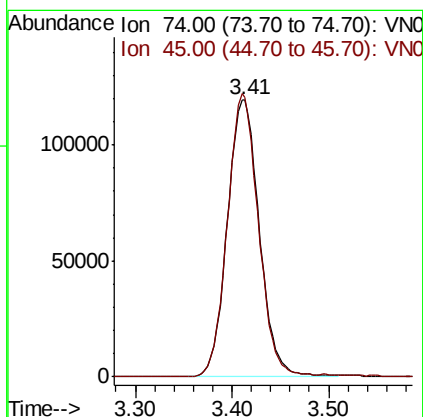
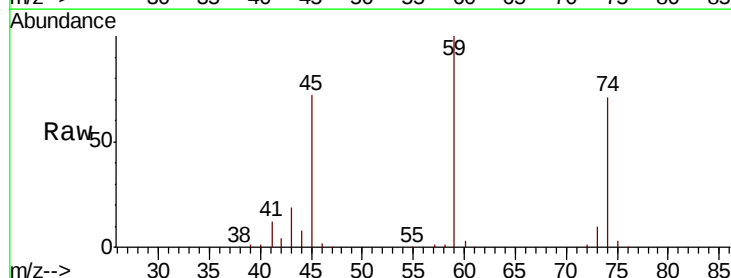
Tot Ion:101 Resp: 740218
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.4 77.2

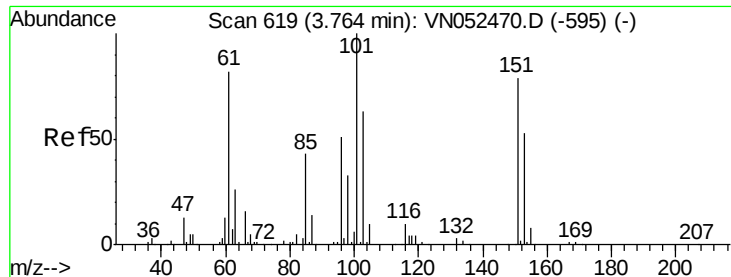


#8

Diethyl Ether
 Concen: 49.371 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 74 Resp: 275153
 Ion Ratio Lower Upper
 74 100
 45 98.9 50.4 151.3

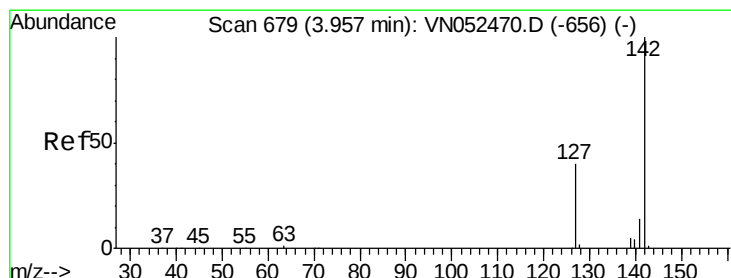
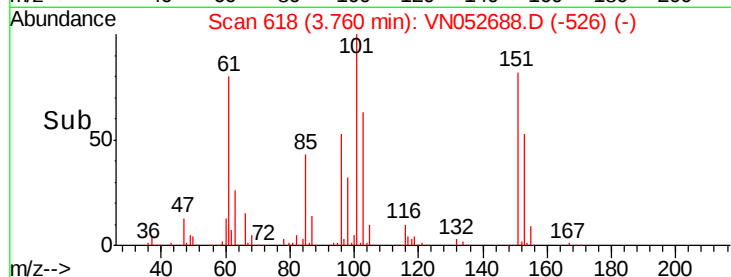
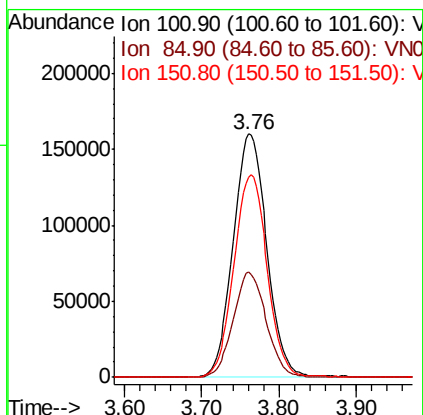
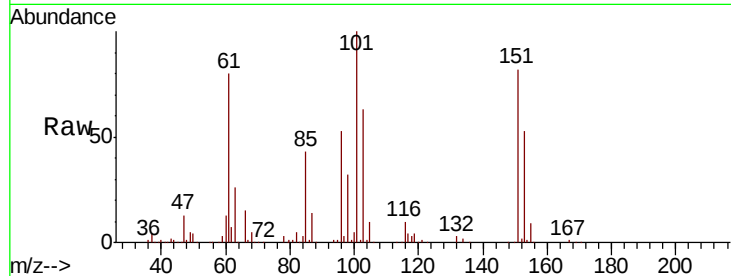




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.487 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

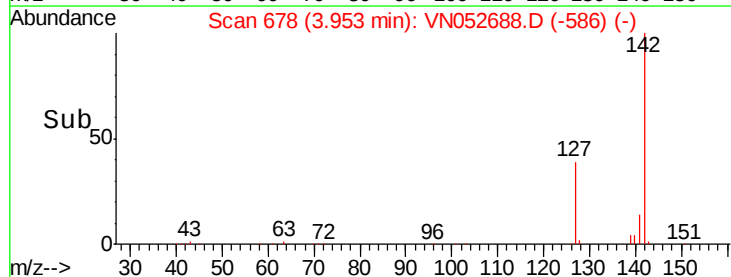
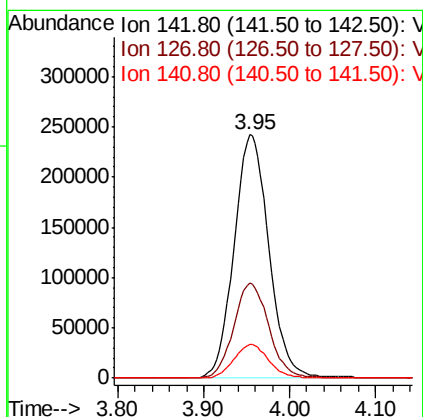
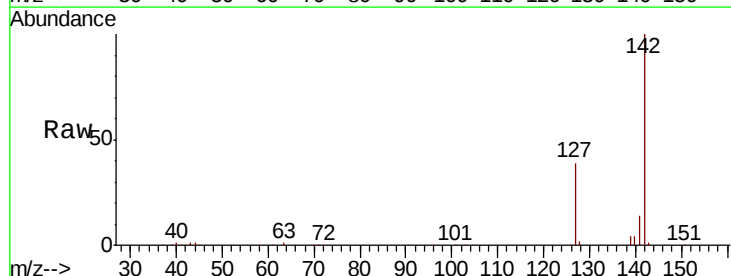
Instrument :
 MSVOA_N
 ClientSampleId :

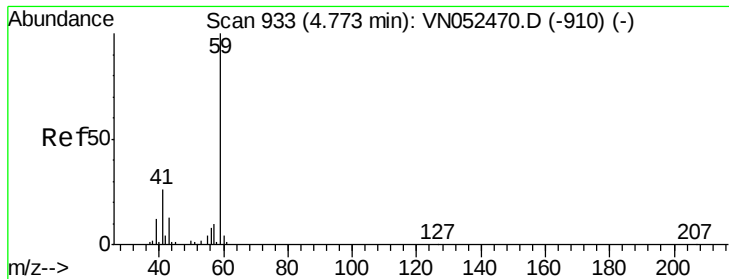
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.2	51.4
151	81.9	64.6	96.8



#10
 Methyl Iodide
 Concen: 54.236 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.5	31.8	47.6
141	13.9	11.4	17.0



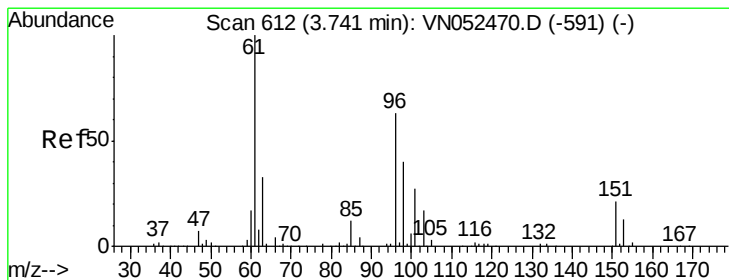
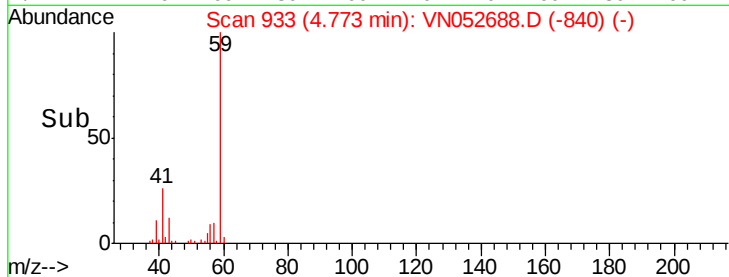
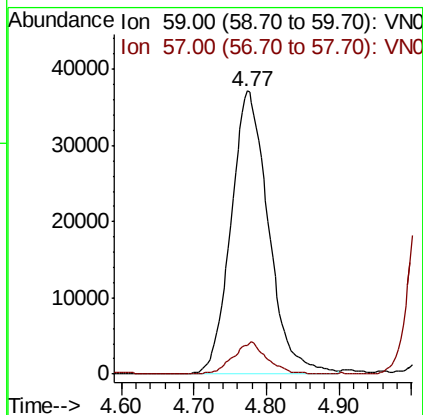
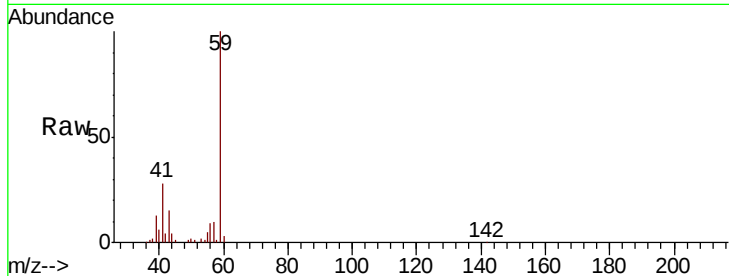


#11

Tert butyl alcohol
 Concen: 253.748 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

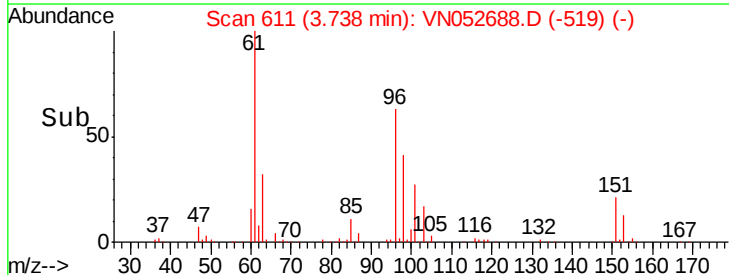
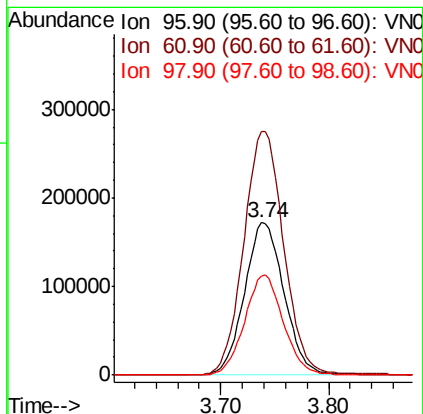
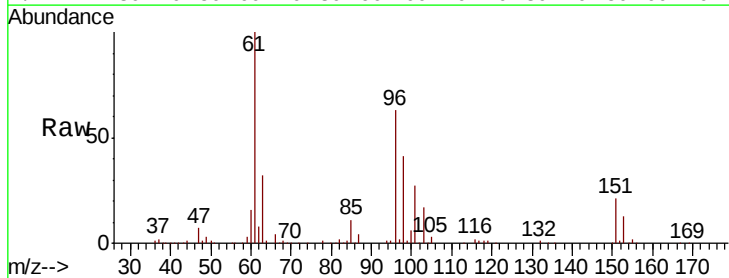
Tot Ion: 59 Resp: 133845
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.9 11.9

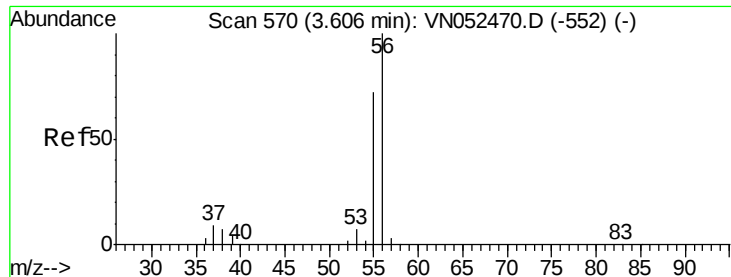


#12

1,1-Dichloroethene
 Concen: 48.329 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 96 Resp: 438084
 Ion Ratio Lower Upper
 96 100
 61 159.7 127.0 190.6
 98 65.2 50.3 75.5

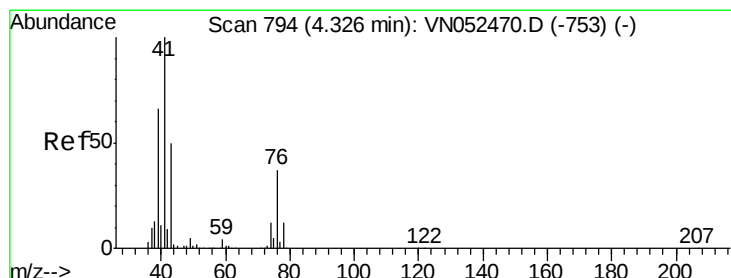
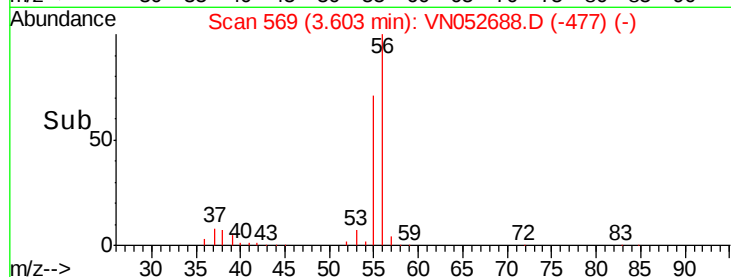
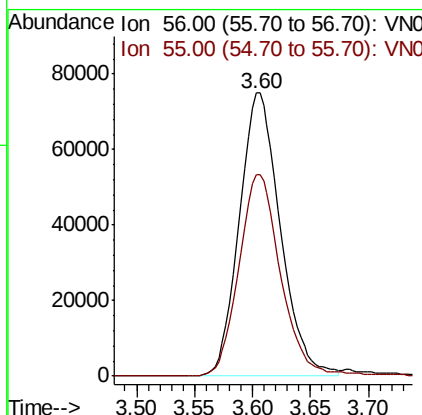
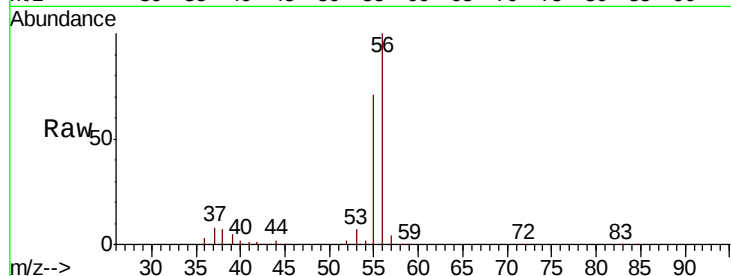




#13
Acrolein
Concen: 201.578 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

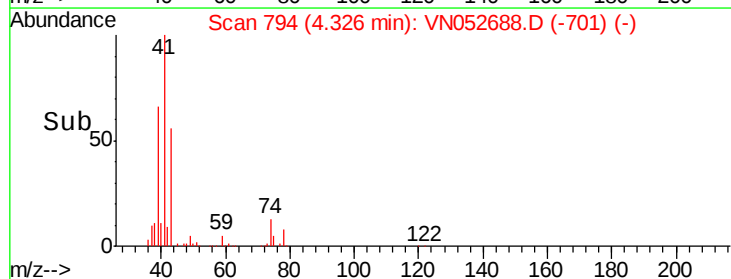
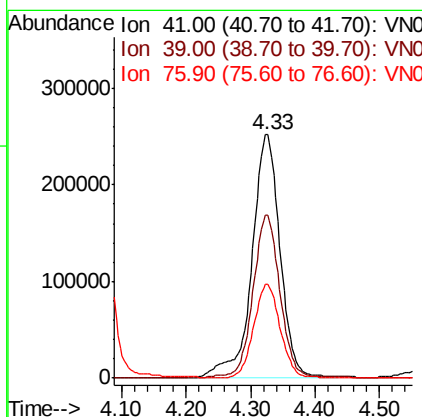
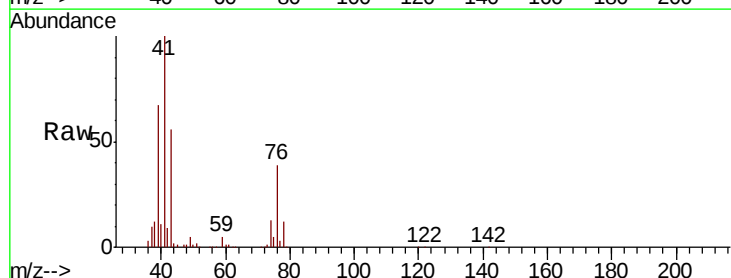
Instrument :
MSVOA_N
ClientSampleId :

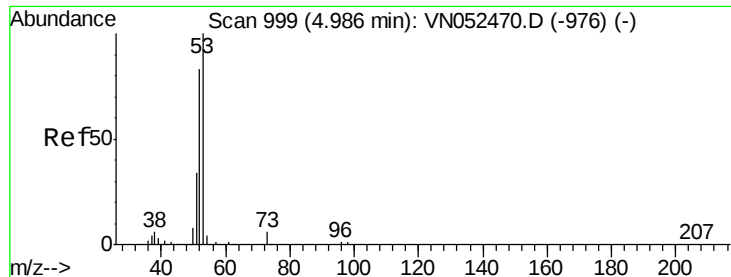
Tot Ion: 56 Resp: 184797
Ion Ratio Lower Upper
56 100
55 71.9 56.8 85.2



#14
Allyl chloride
Concen: 49.225 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 41 Resp: 769036
Ion Ratio Lower Upper
41 100
39 64.2 50.6 76.0
76 35.8 27.4 41.2





#15

Acrylonitrile

Concen: 249.379 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

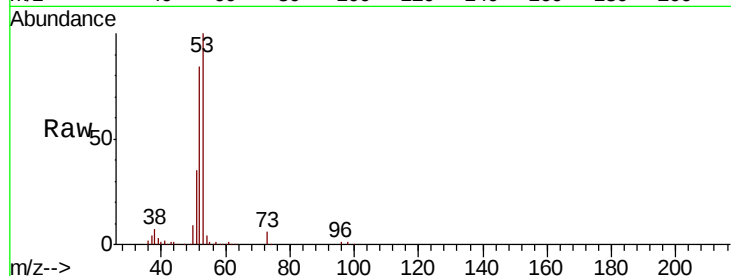
Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 832670

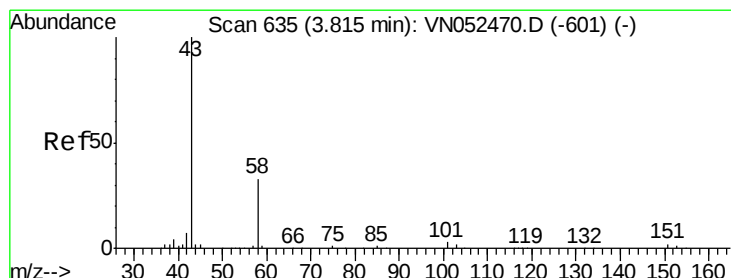
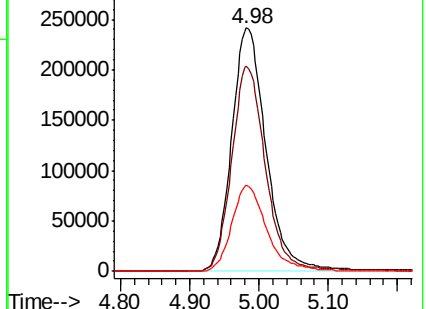
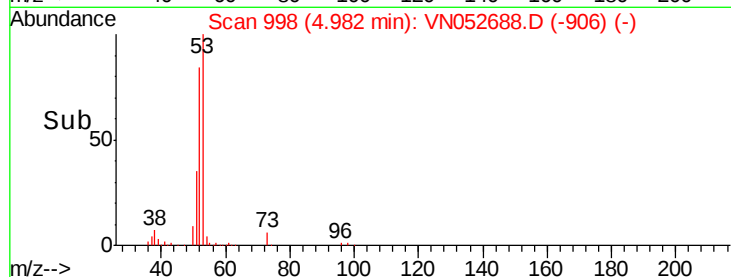
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.1	28.1	42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052470.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052470.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052470.D (-976) (-)



#16

Acetone

Concen: 300.105 ug/l

RT: 3.81 min Scan# 634

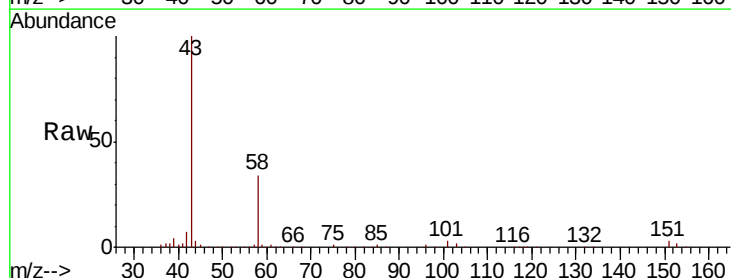
Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

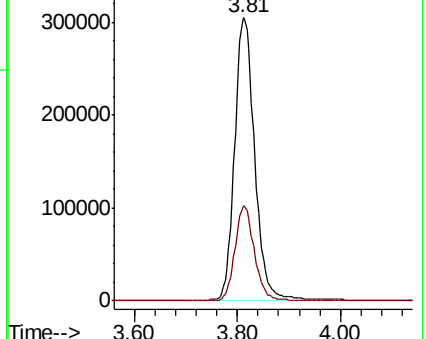
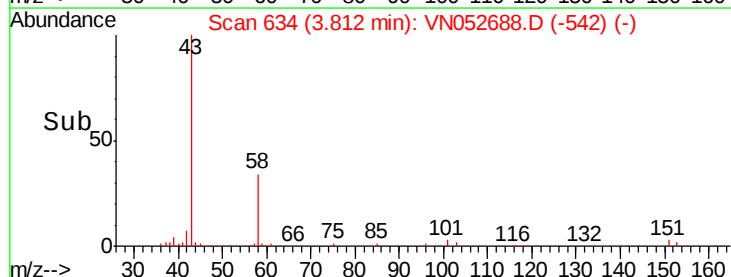
Tgt Ion: 43 Resp: 834002

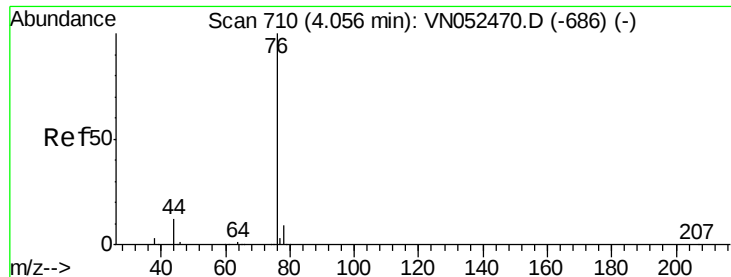
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.0	39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

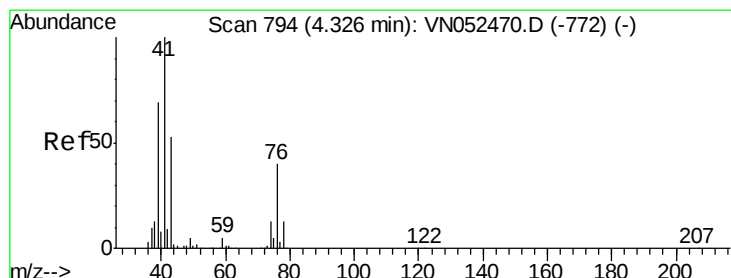
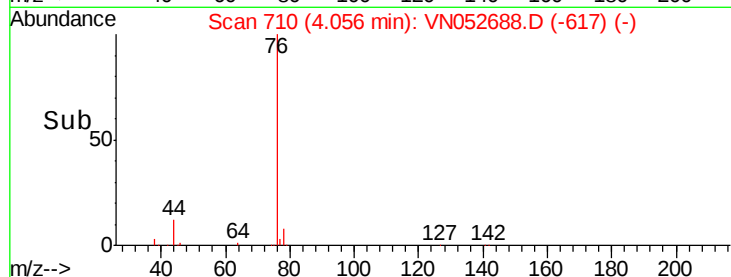
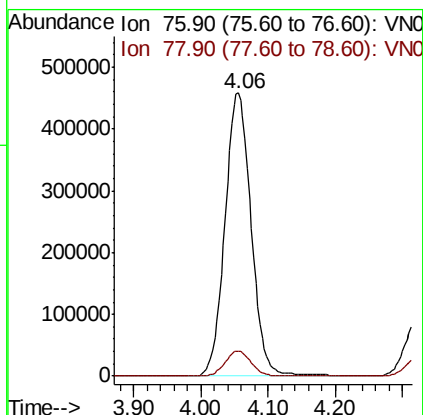
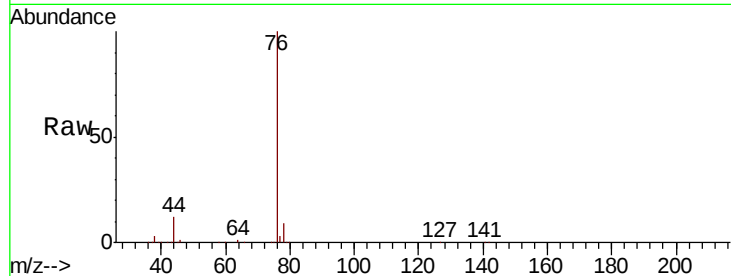




#17
Carbon Disulfide
Concen: 43.387 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

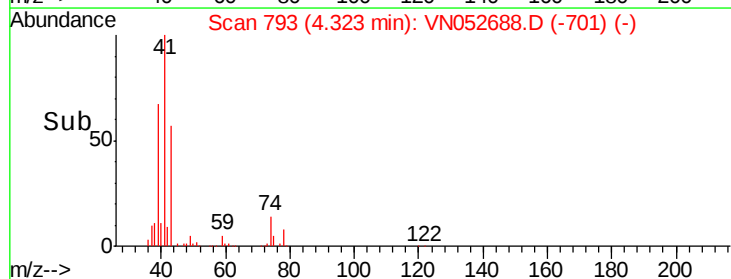
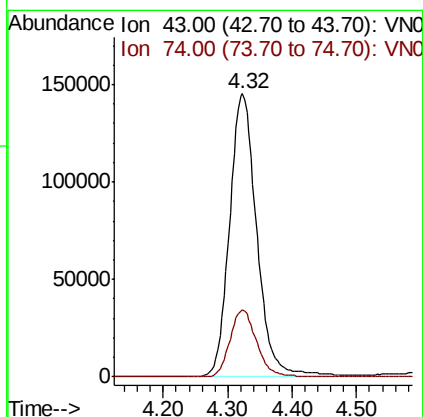
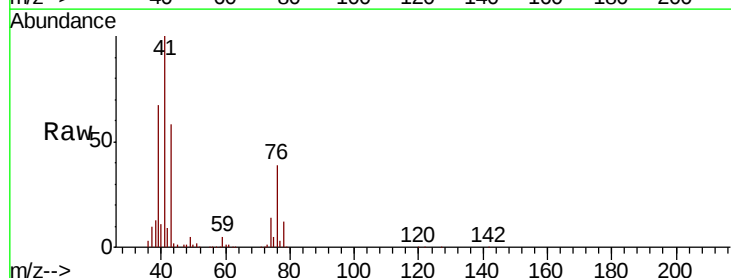
Instrument :
MSVOA_N
ClientSampled :

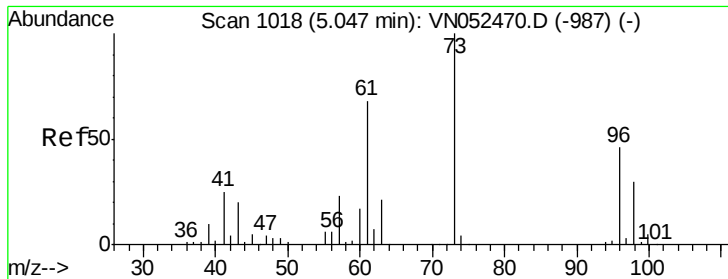
Tot Ion: 76 Resp: 1237654
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 53.125 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 43 Resp: 423492
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8

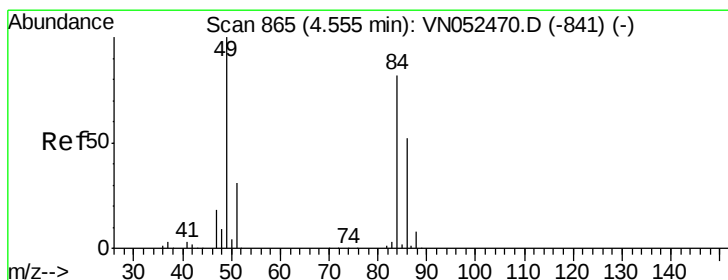
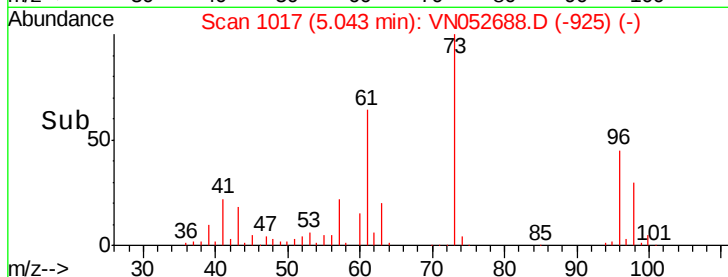
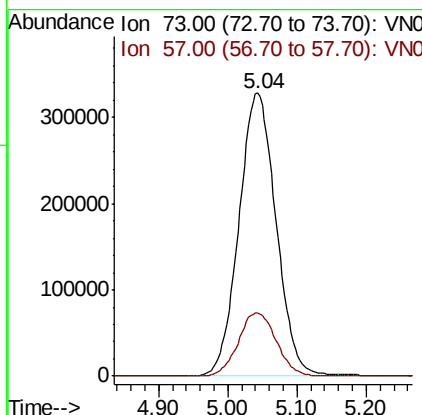
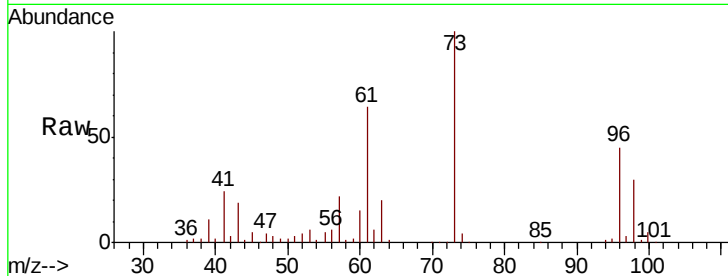




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

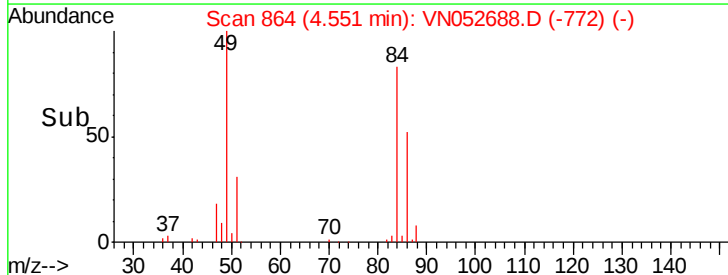
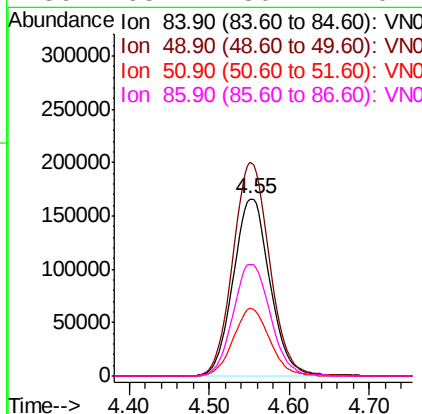
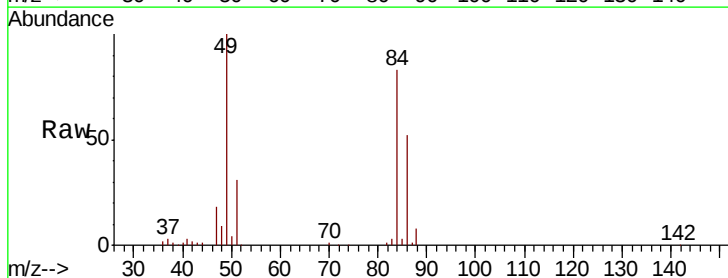
Instrument :
MSVOA_N
ClientSampled :

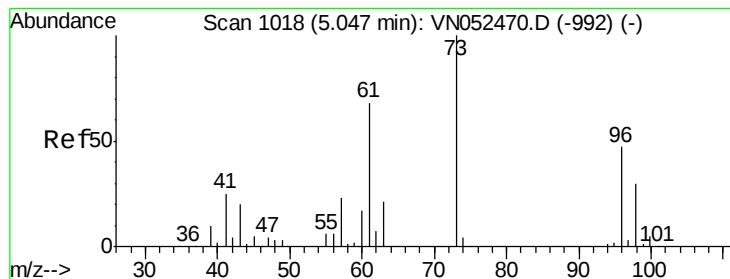
Tot Ion: 73 Resp: 1221351
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2



#20
Methylene Chloride
Concen: 47.490 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 84 Resp: 516464
Ion Ratio Lower Upper
84 100
49 120.5 98.0 147.0
51 37.8 30.1 45.1
86 63.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.346 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :

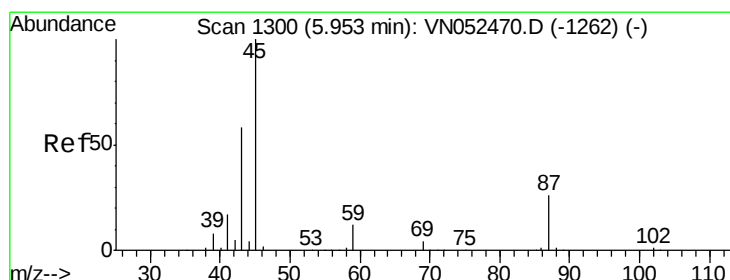
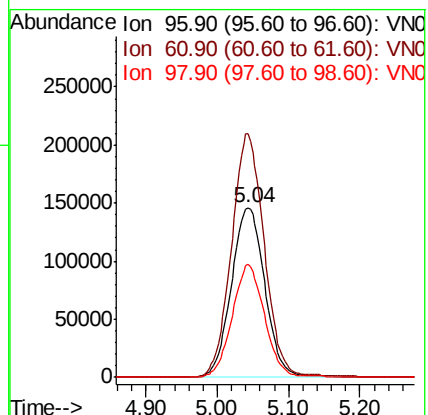
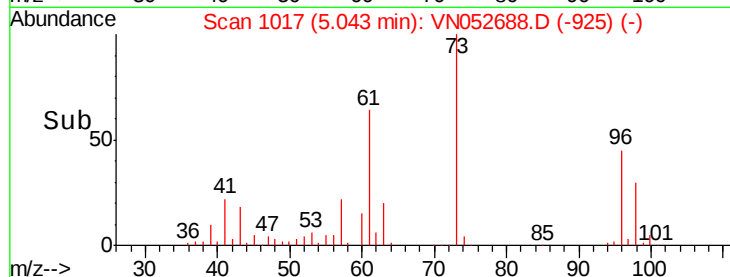
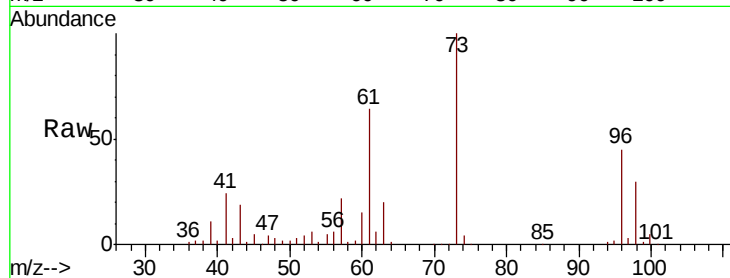
Tot Ion: 96 Resp: 477731

Ion Ratio Lower Upper

96 100

61 143.1 117.0 175.4

98 66.6 51.8 77.6



#22

Diisopropyl ether

Concen: 50.405 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion: 45 Resp: 1654096

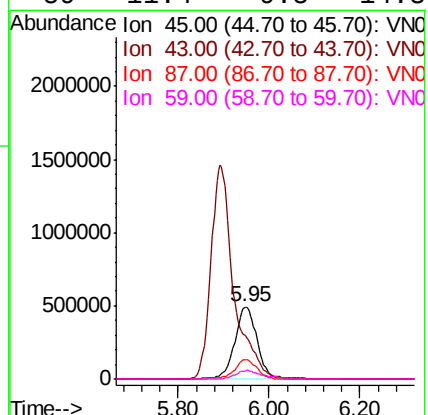
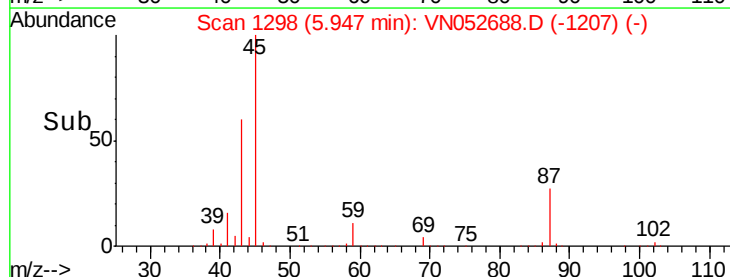
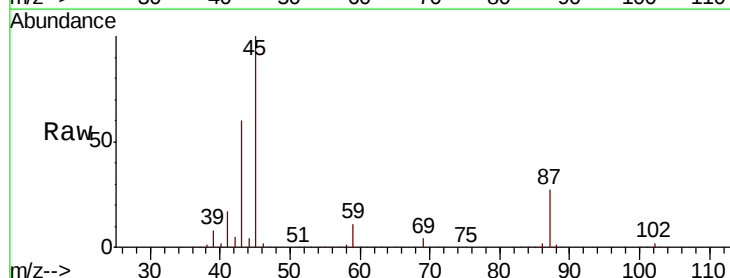
Ion Ratio Lower Upper

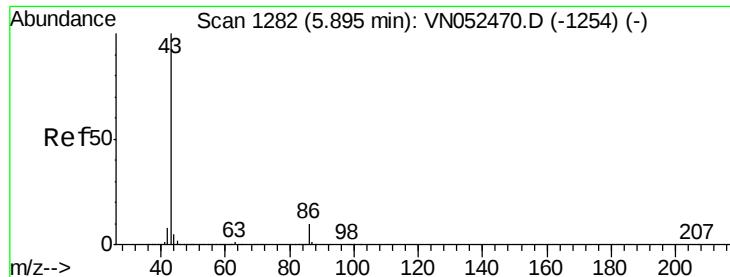
45 100

43 60.0 46.1 69.1

87 27.0 21.3 31.9

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 249.766 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

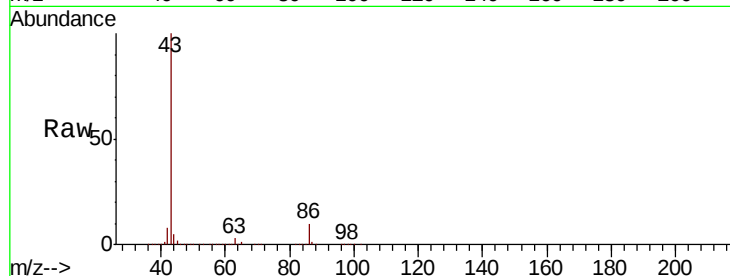
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5105150

Ion Ratio Lower Upper

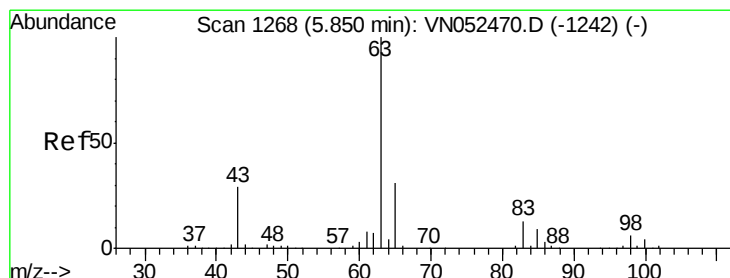
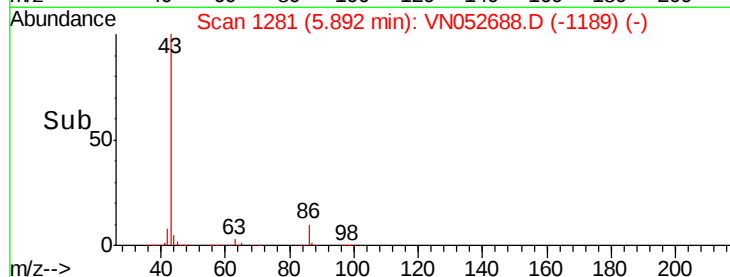
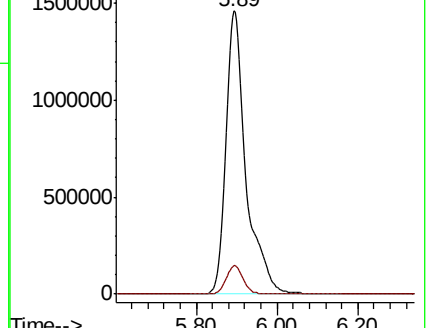
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)



#24

1,1-Dichloroethane

Concen: 50.382 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

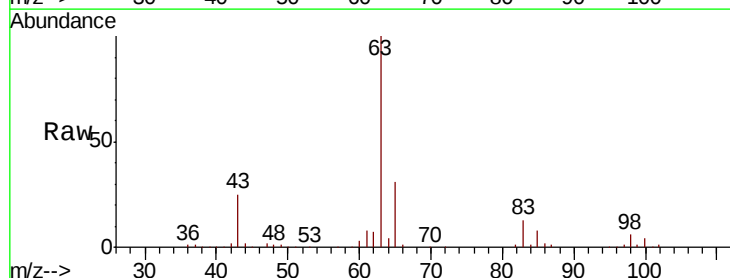
Tgt Ion: 63 Resp: 943999

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

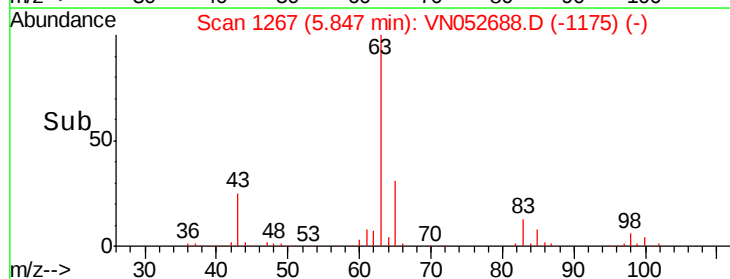
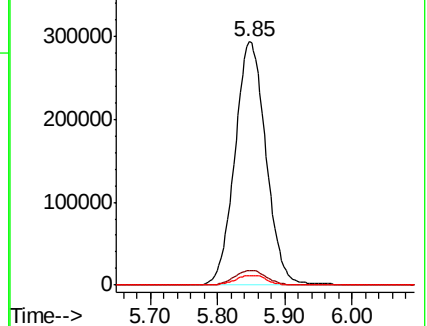
100 4.0 2.0 5.8

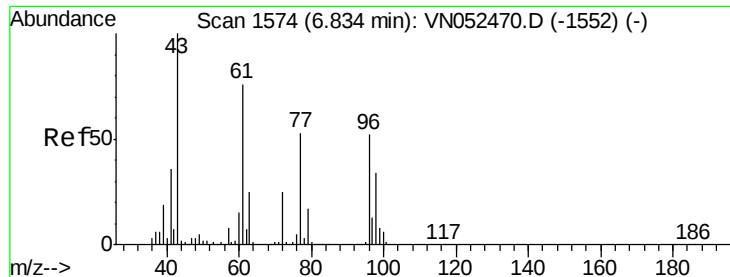


Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

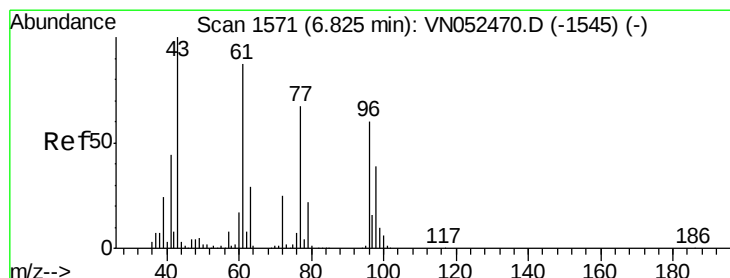
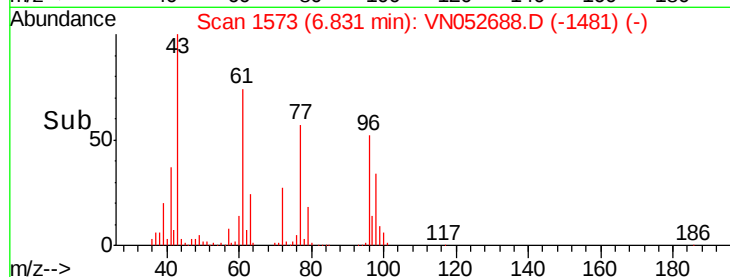
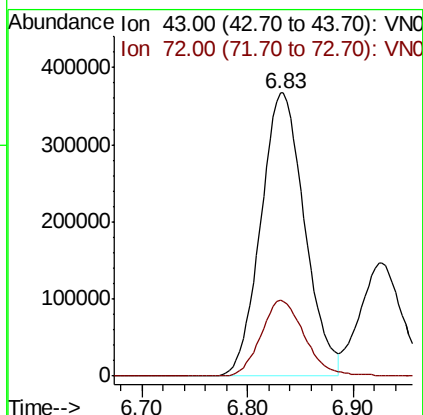
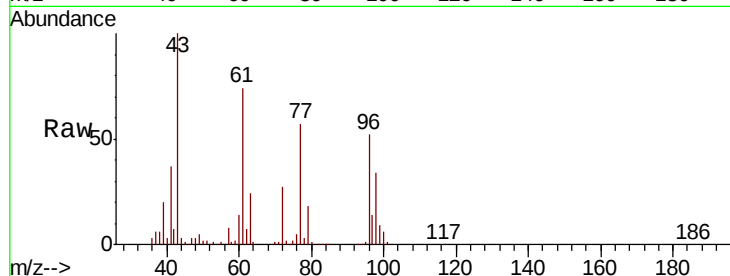




#25
2-Butanone
Concen: 268.427 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

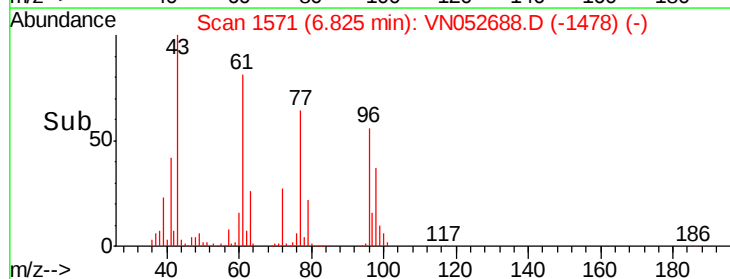
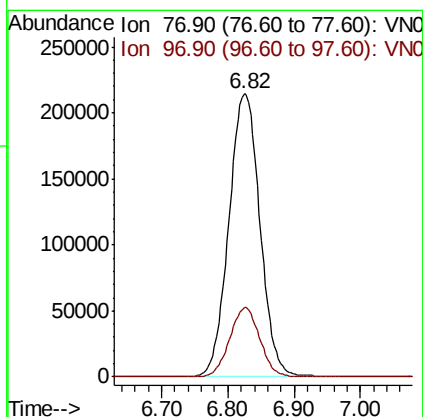
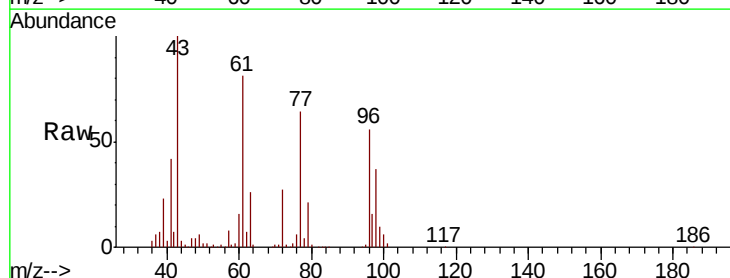
Instrument :
MSVOA_N
ClientSampled :

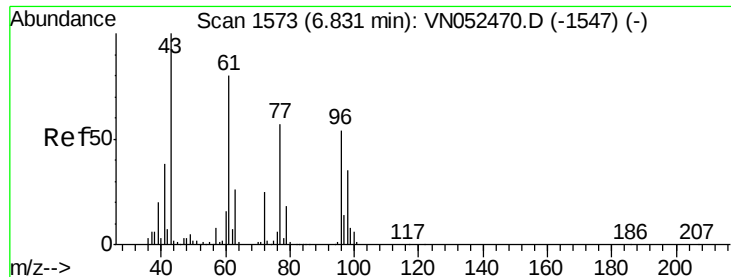
Tot Ion: 43 Resp: 1057331
Ion Ratio Lower Upper
43 100
72 26.8 20.1 30.1



#26
2,2-Dichloropropane
Concen: 53.921 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 77 Resp: 699299
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.143 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

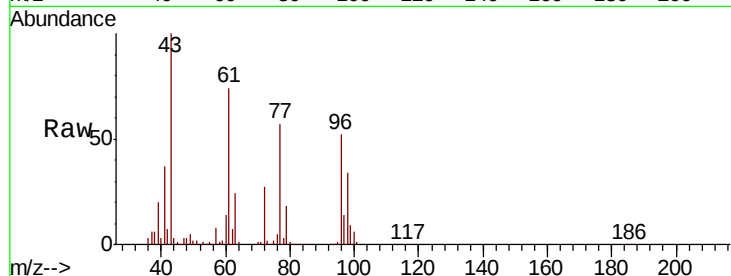
Tot Ion: 96 Resp: 565484

Ion Ratio Lower Upper

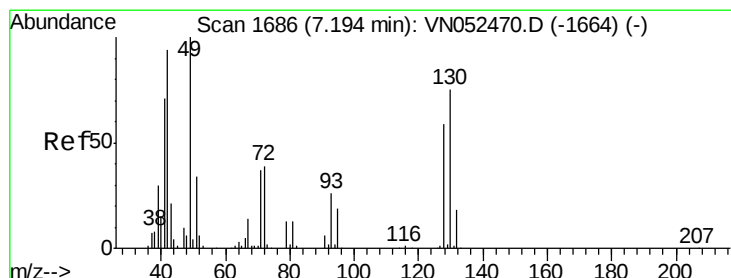
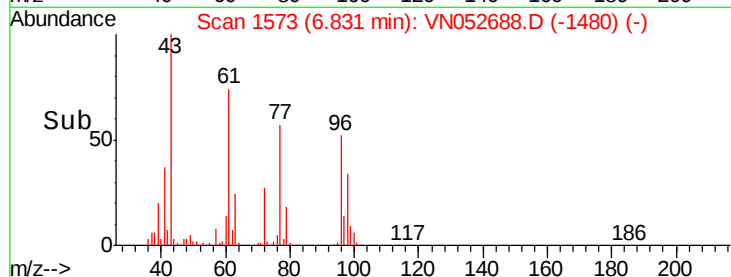
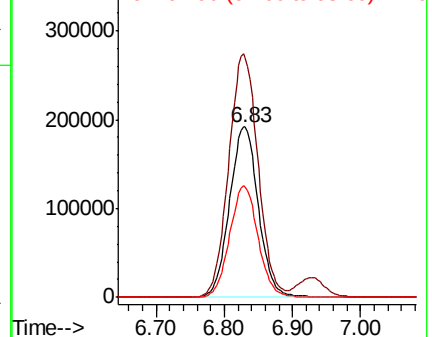
96 100

61 144.5 0.0 291.0

98 64.6 0.0 130.0



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: 49.687 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

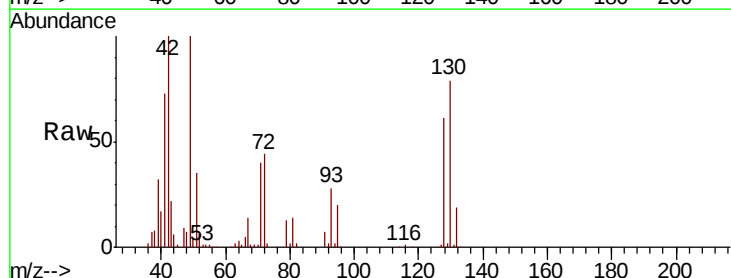
Tgt Ion: 49 Resp: 425221

Ion Ratio Lower Upper

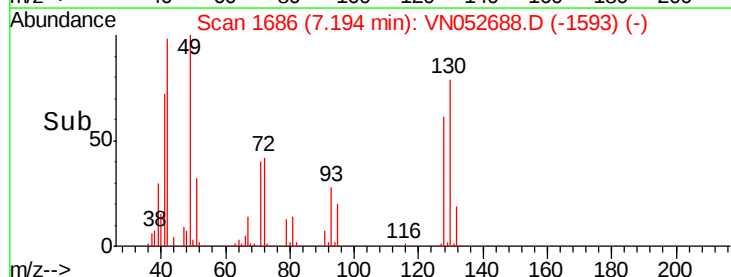
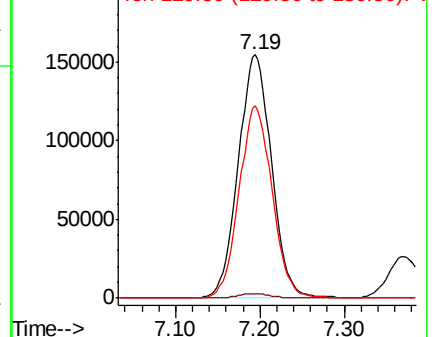
49 100

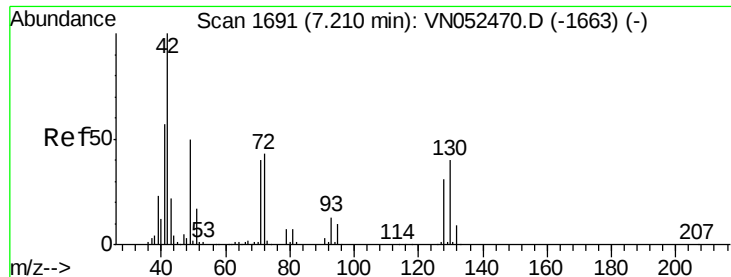
129 1.9 0.0 3.8

130 78.2 60.2 90.2



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

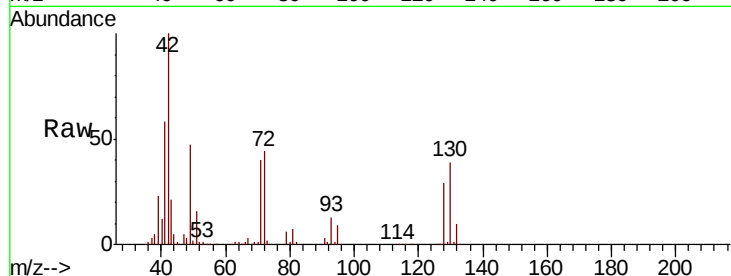




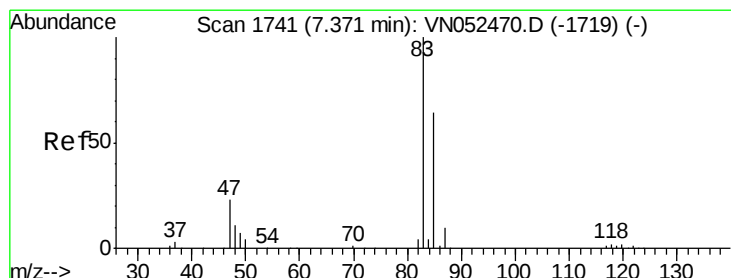
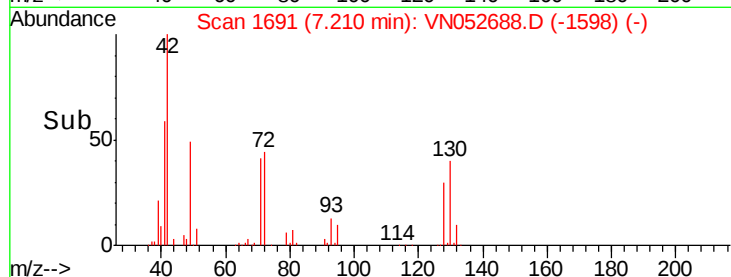
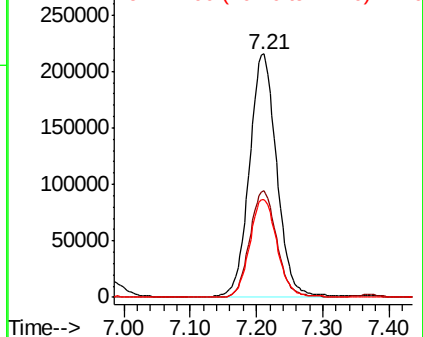
#29
Tetrahydrofuran
Concen: 242.413 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 615882
Ion Ratio Lower Upper
42 100
72 43.1 33.3 49.9
71 40.4 32.0 48.0

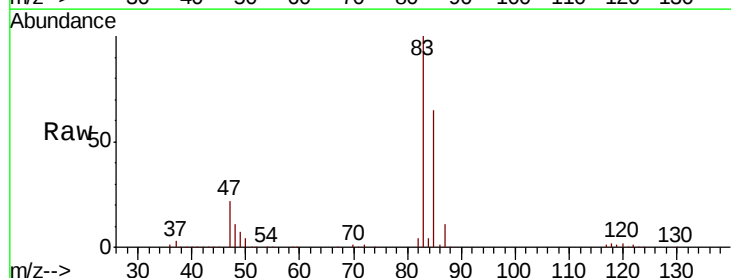


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

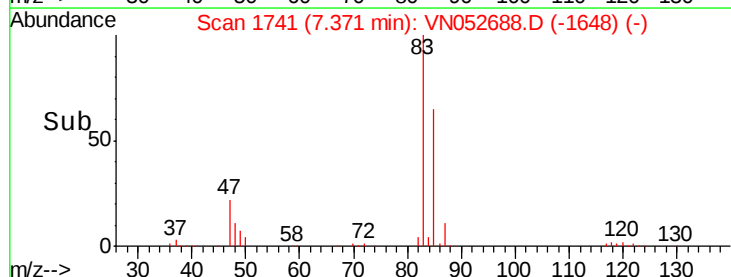
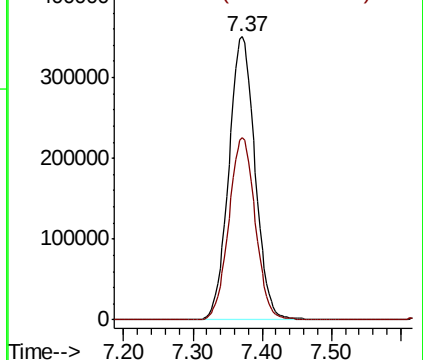


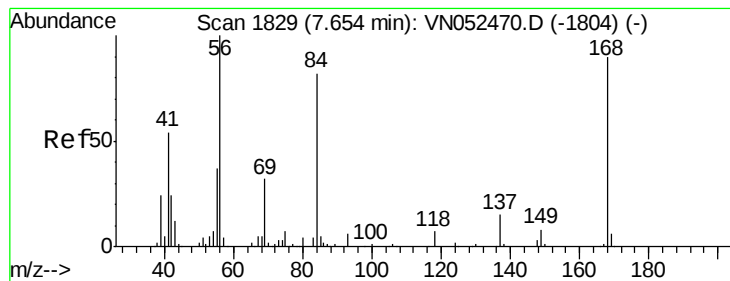
#30
Chloroform
Concen: 49.680 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 83 Resp: 928712
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.4



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





#31

Cyclohexane

Concen: 46.955 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

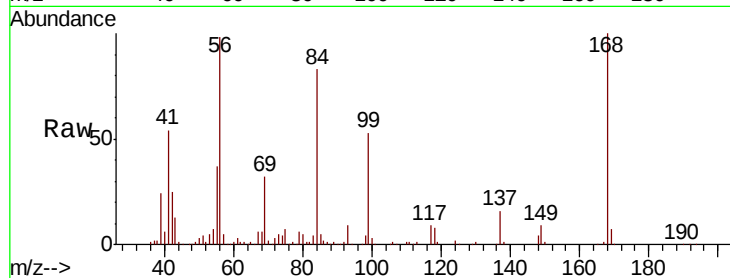
Tot Ion: 56 Resp: 851945

Ion Ratio Lower Upper

56 100

69 33.0 25.8 38.6

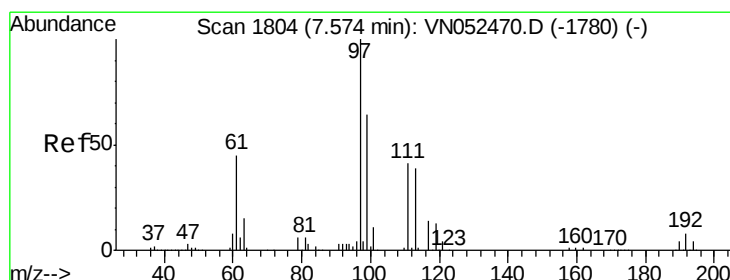
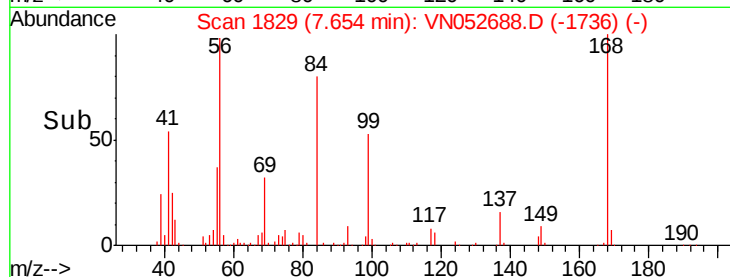
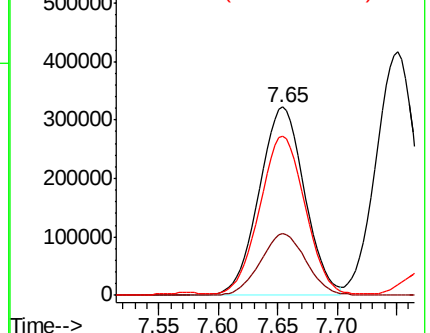
84 83.2 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN052470.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN052470.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 51.469 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

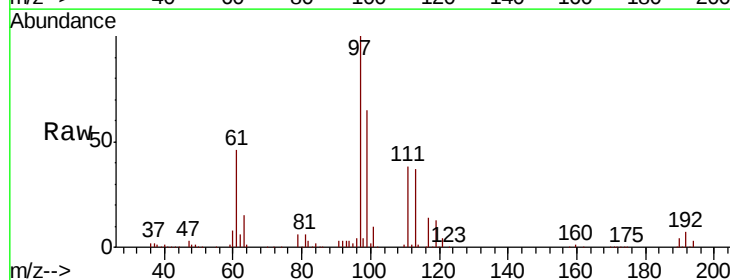
Tgt Ion: 97 Resp: 762318

Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

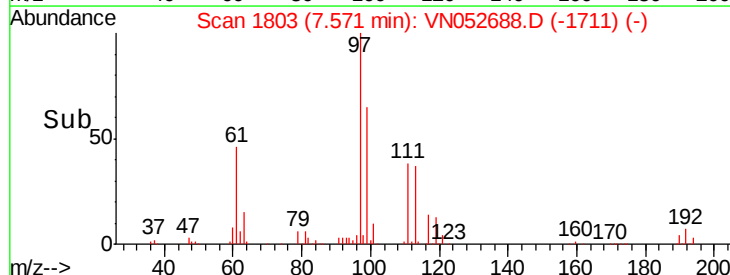
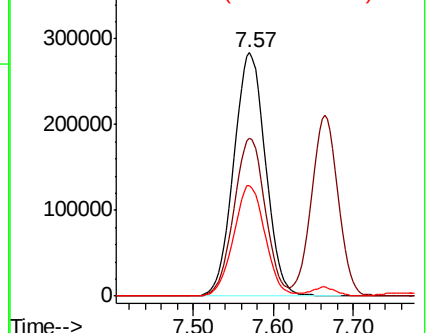
61 44.9 36.8 55.2

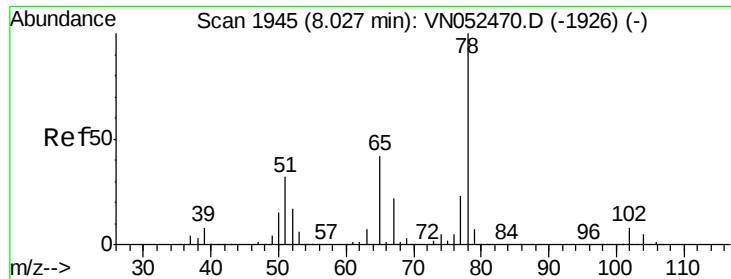


Abundance Ion 96.90 (96.60 to 97.60): VN052470.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-1780) (-)

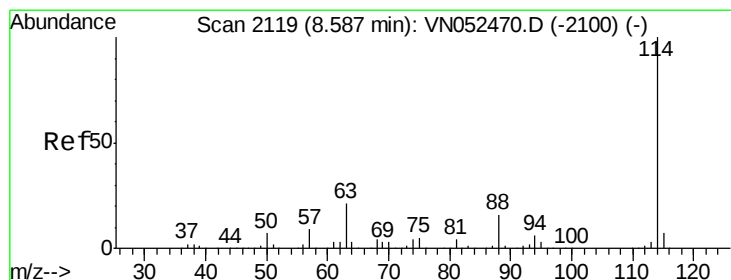
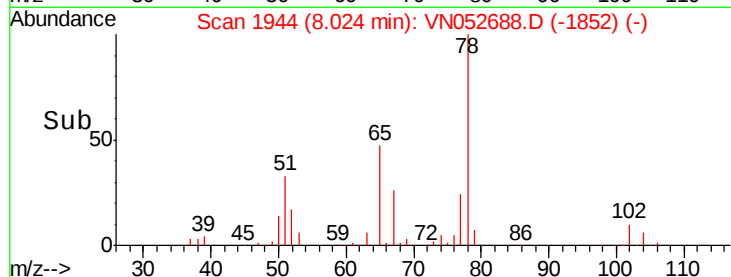
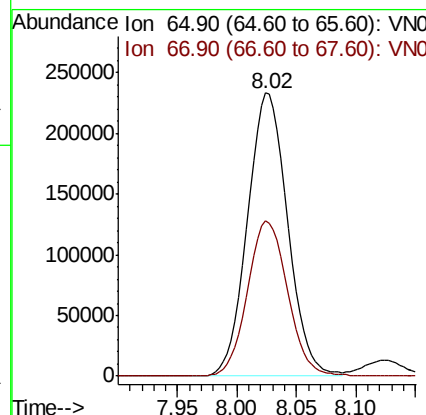
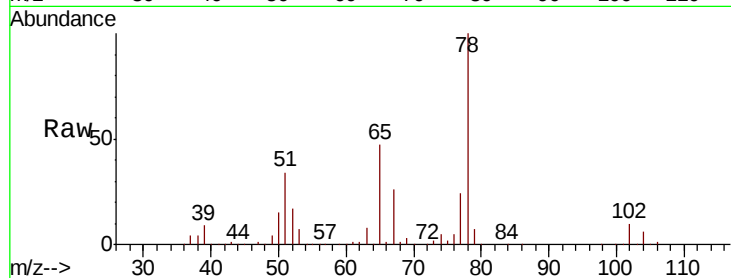




#33
 1,2-Dichloroethane-d4
 Concen: 51.469 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

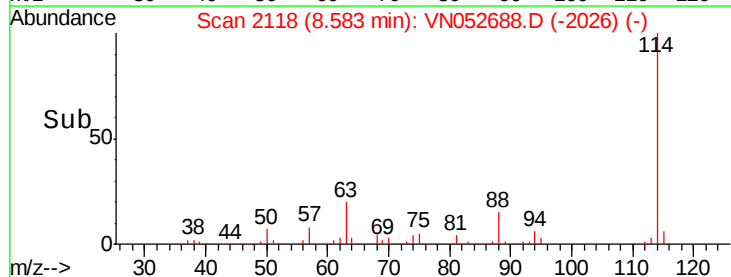
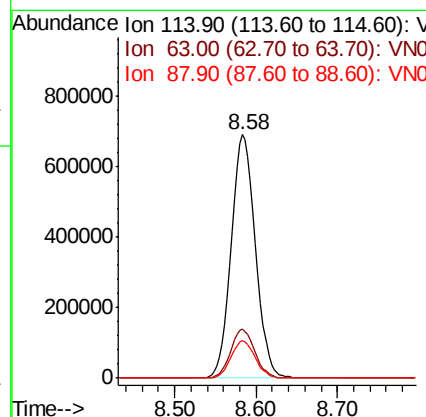
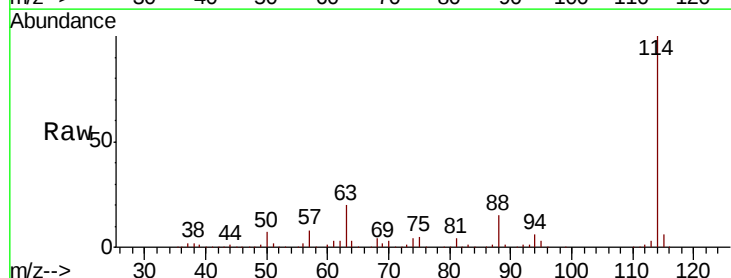
Instrument :
 MSVOA_N
 ClientSampled :

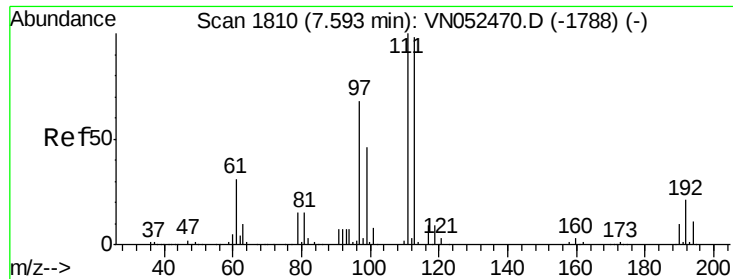
Tot Ion: 65 Resp: 545842
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 114 Resp: 1443679
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.2 0.0 31.6

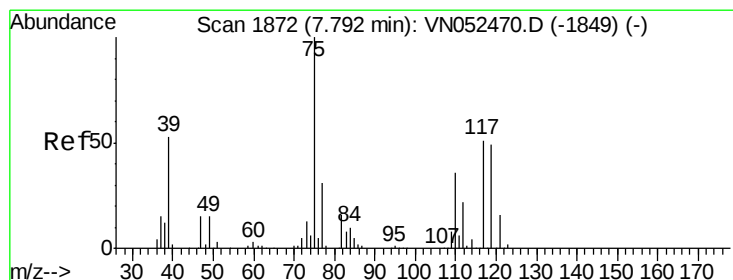
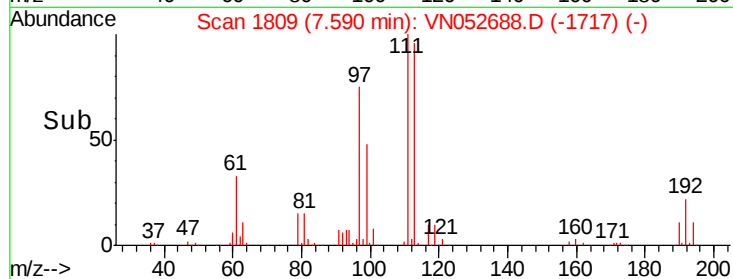
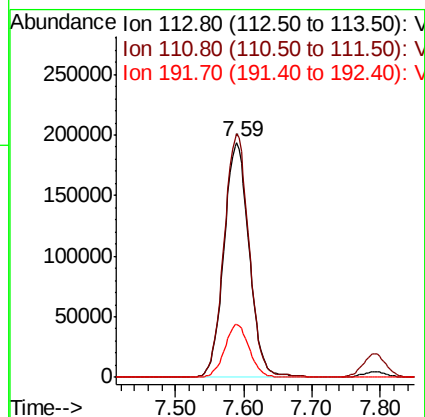
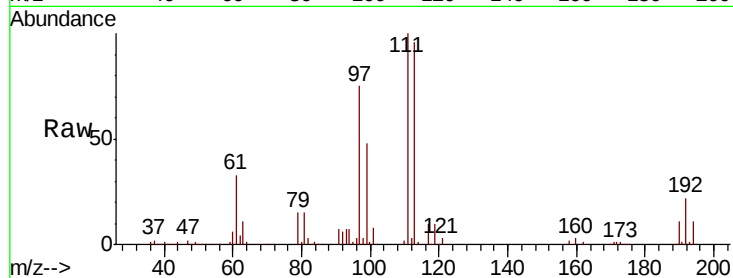




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

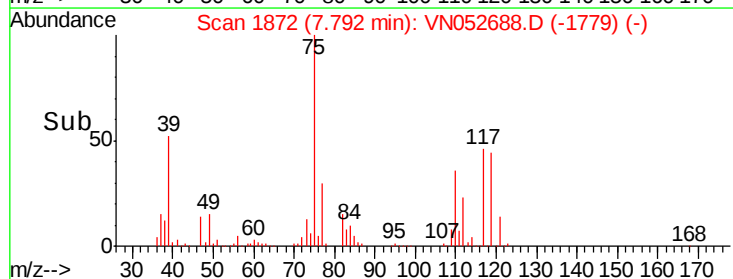
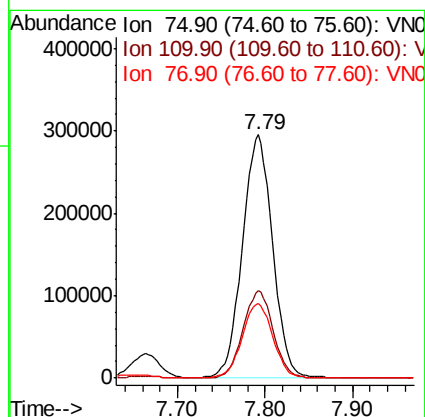
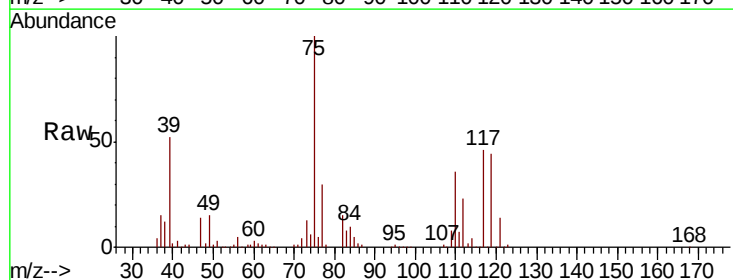
Instrument :
 MSVOA_N
 ClientSampleId :

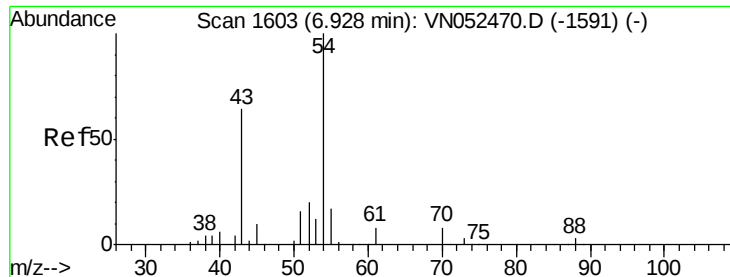
Tot Ion:113 Resp: 496798
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 51.819 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 75 Resp: 706452
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.5 52.6
 77 31.2 24.5 36.7





#37

Ethyl Acetate

Concen: 50.733 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

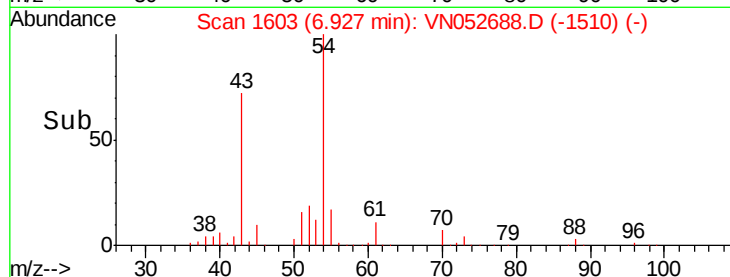
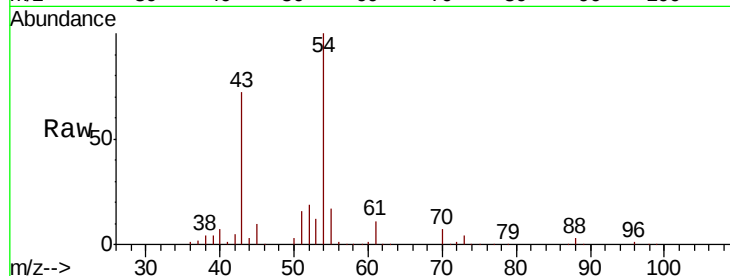
Tot Ion: 43 Resp: 422108

Ion Ratio Lower Upper

43 100

61 14.5 11.8 17.8

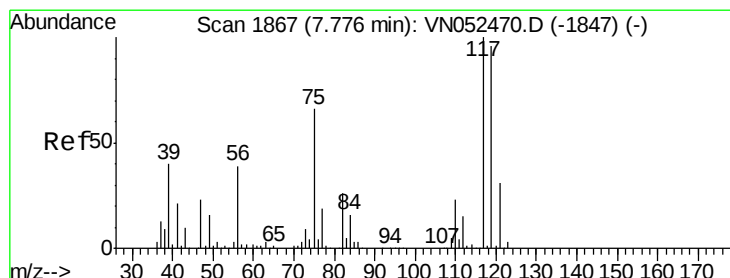
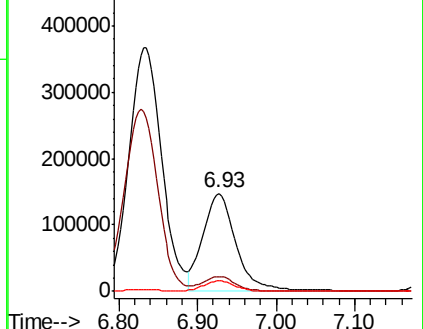
70 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052470.D (-1591) (-)



#38

Carbon Tetrachloride

Concen: 54.434 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

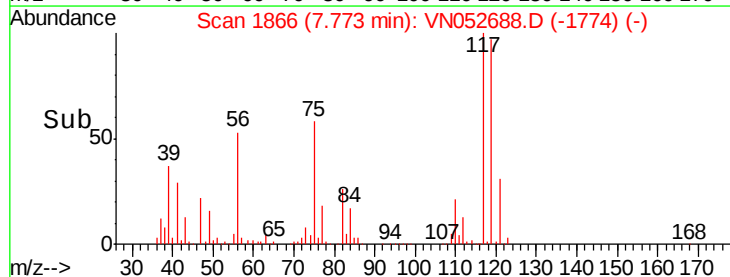
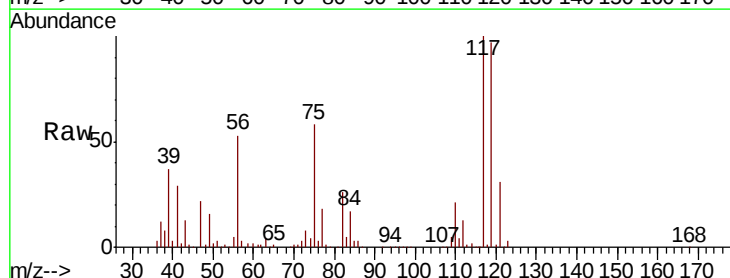
Tgt Ion: 117 Resp: 671799

Ion Ratio Lower Upper

117 100

119 97.2 76.8 115.2

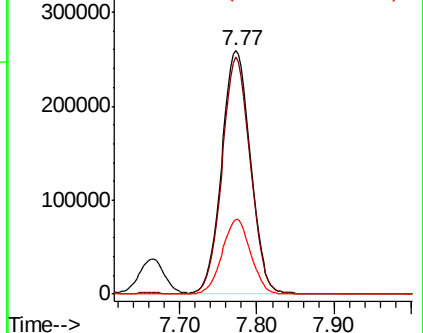
121 30.9 24.9 37.3

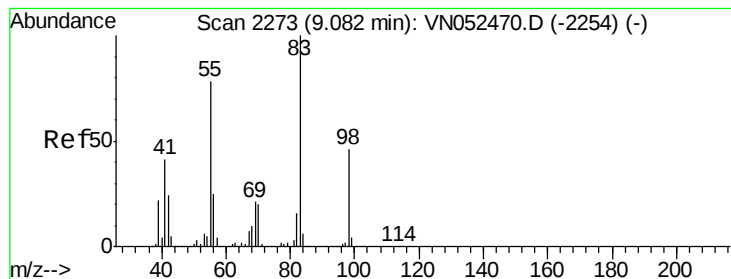


Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052470.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052470.D (-1847) (-)





#39

Methvlcvclohexane

Concen: 52.026 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

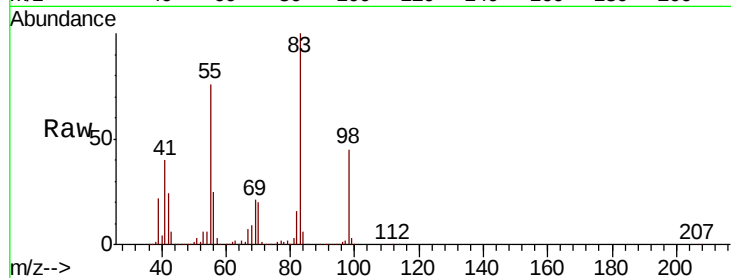
Tot Ion: 83 Resp: 862101

Ion Ratio Lower Upper

83 100

55 76.0 62.2 93.2

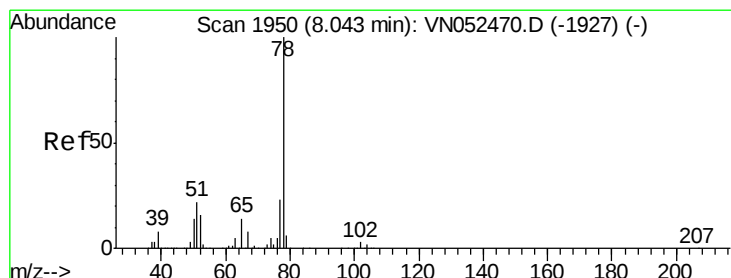
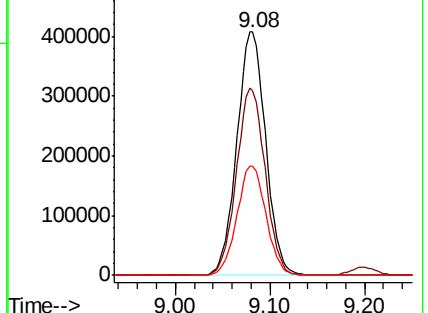
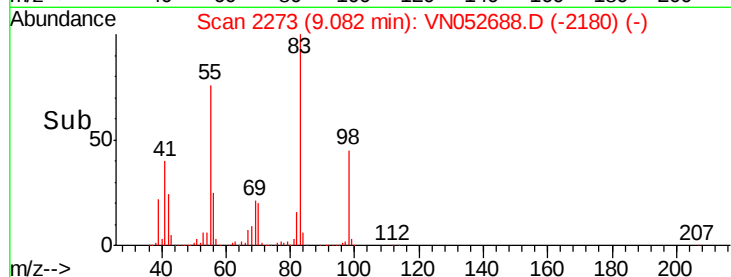
98 45.1 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 52.407 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052688.D

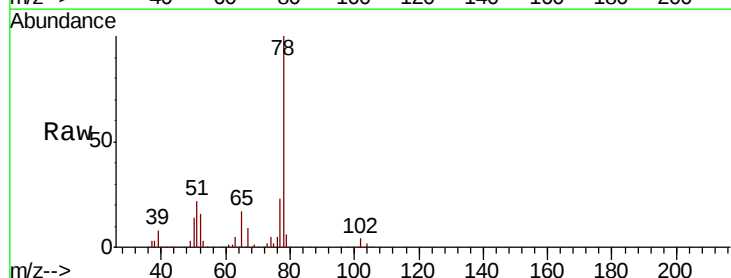
Acq: 6 Dec 2018 9:25

Tgt Ion: 78 Resp: 2129270

Ion Ratio Lower Upper

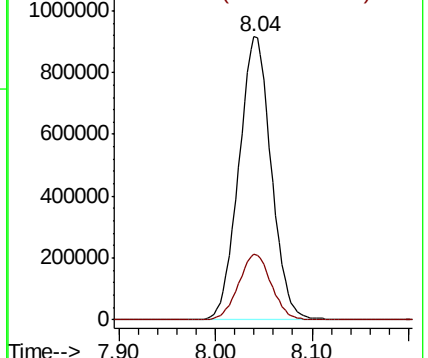
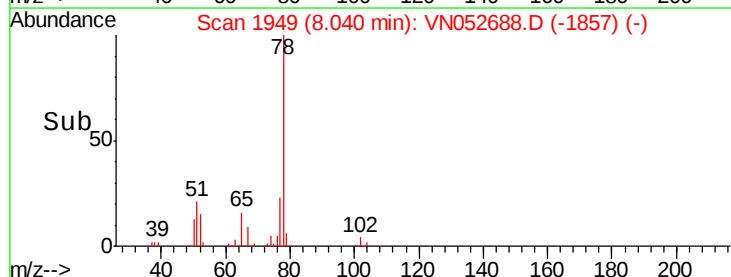
78 100

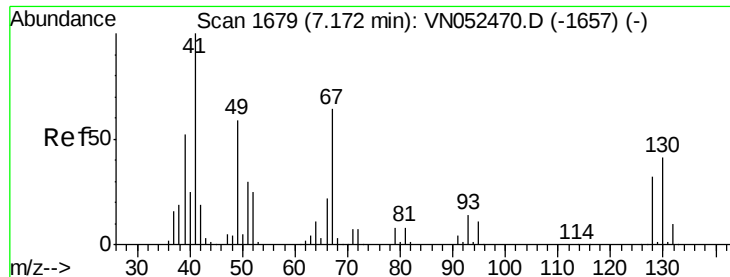
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

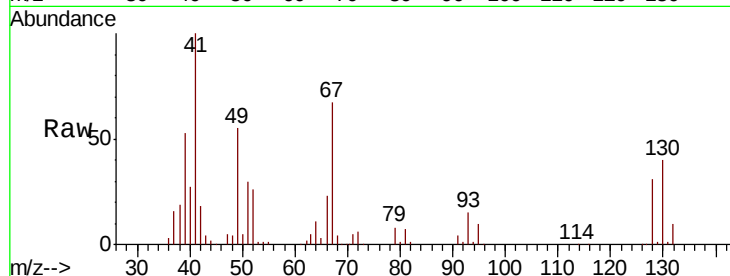




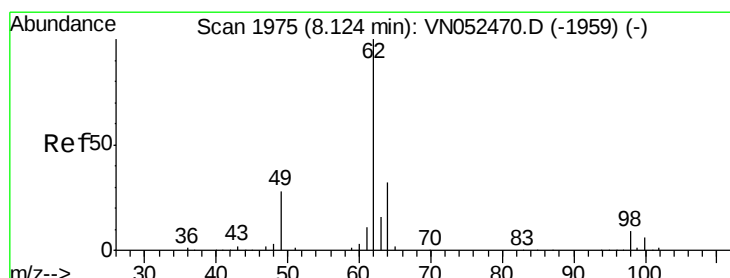
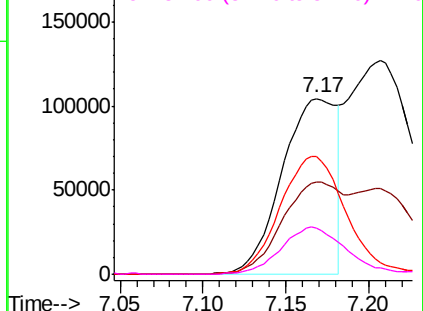
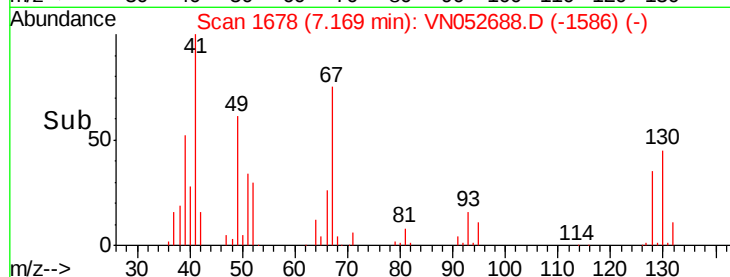
#41
Methacrylonitrile
Concen: 52.731 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 239858
Ion Ratio Lower Upper
41 100
39 59.1 50.9 76.3
67 81.9 63.6 95.4
52 31.7 24.4 36.6

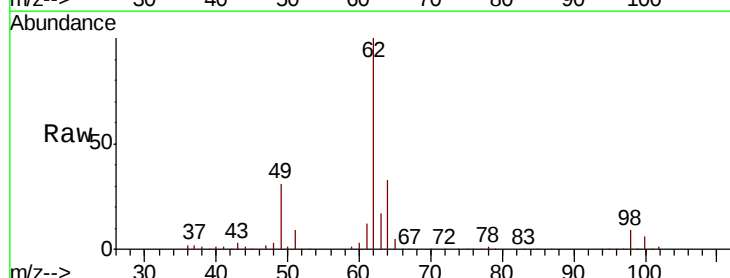


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

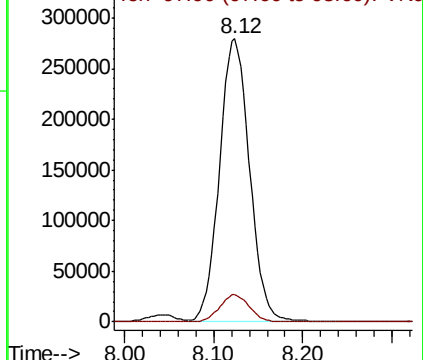
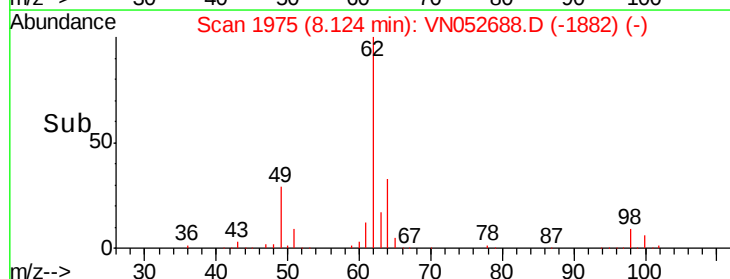


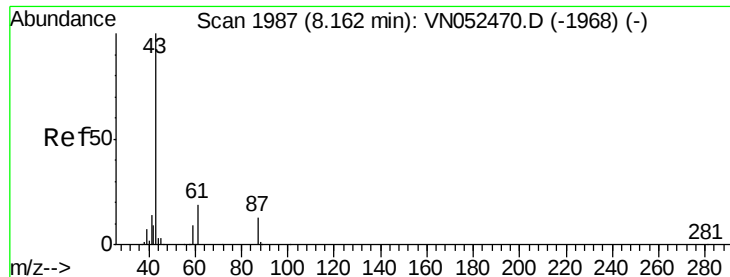
#42
1,2-Dichloroethane
Concen: 52.941 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 62 Resp: 651279
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.479 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

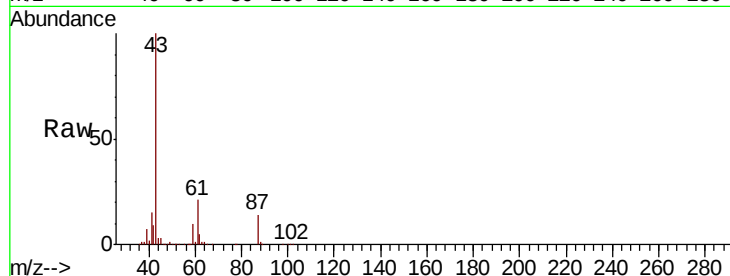
Tot Ion: 43 Resp: 738918

Ion Ratio Lower Upper

43 100

61 29.8 24.1 36.1

87 13.5 10.6 15.8

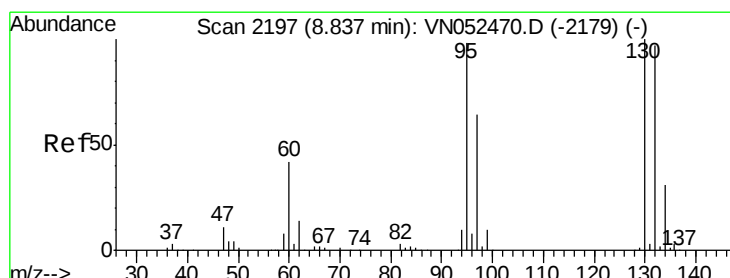
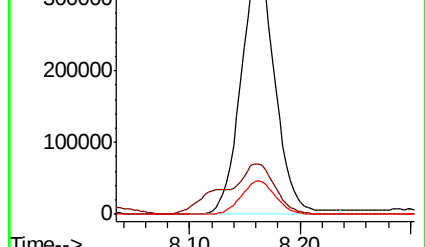
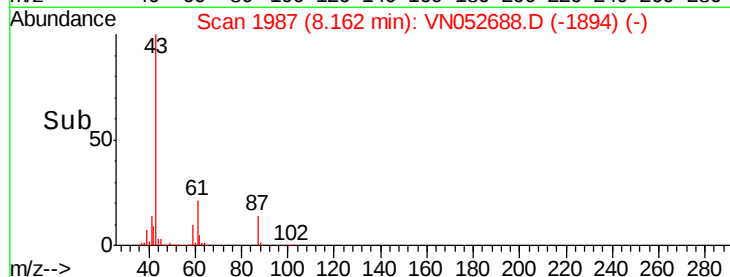


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 53.151 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052688.D

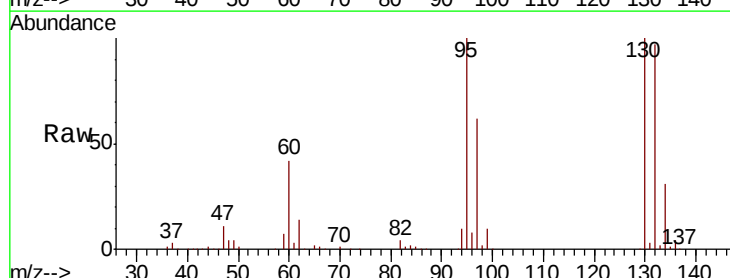
Acq: 6 Dec 2018 9:25

Tgt Ion:130 Resp: 553151

Ion Ratio Lower Upper

130 100

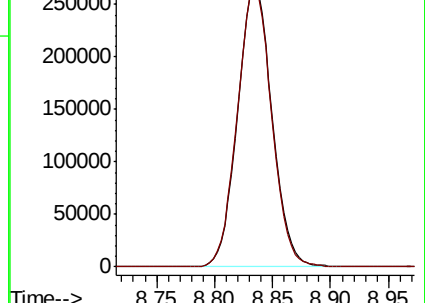
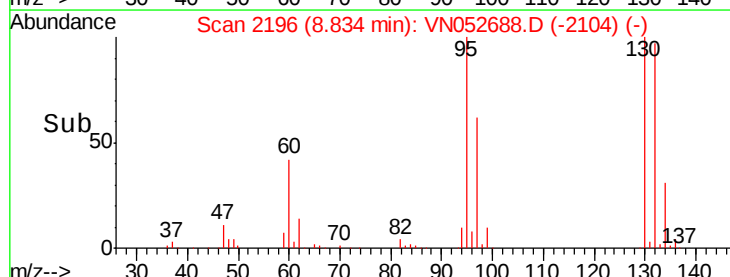
95 100.0 0.0 195.6

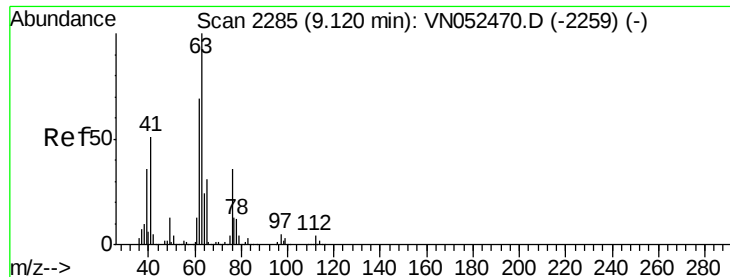


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 52.666 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

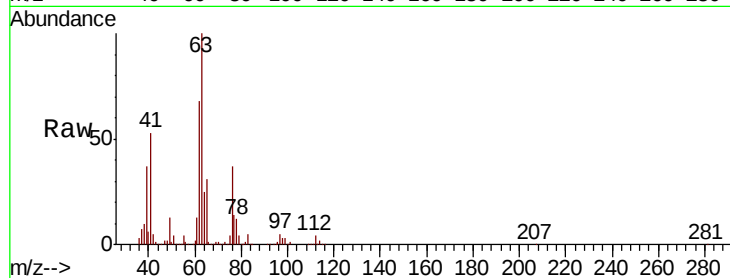
ClientSampleId :

Tot Ion: 63 Resp: 568884

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN052470.D (-2259) (-)

9.12

300000

250000

200000

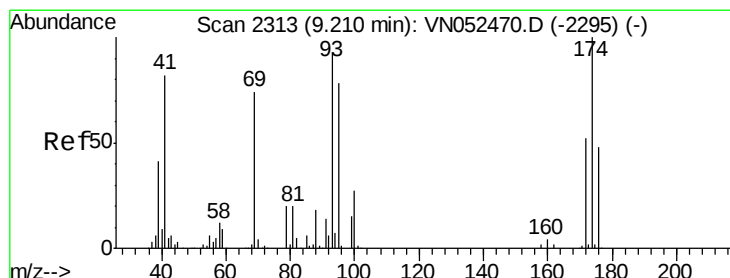
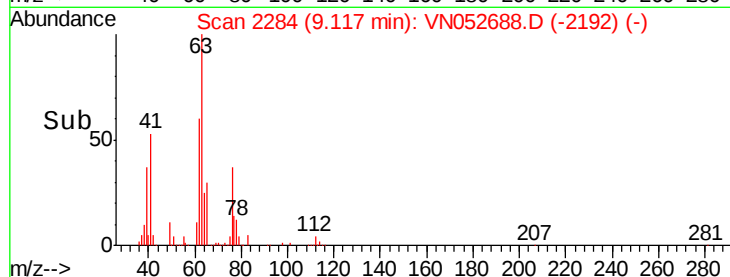
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 54.367 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

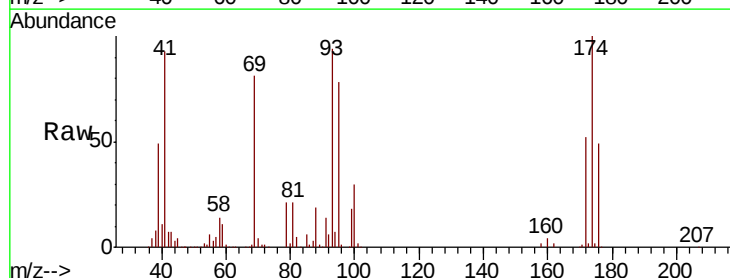
Tgt Ion: 93 Resp: 325099

Ion Ratio Lower Upper

93 100

95 83.4 67.1 100.7

174 108.0 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN052470.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN052470.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN052470.D (-2295) (-)

9.21

200000

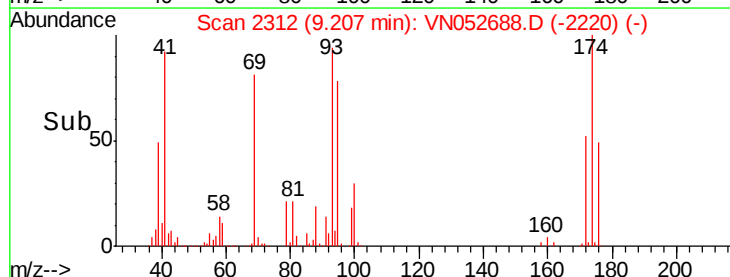
150000

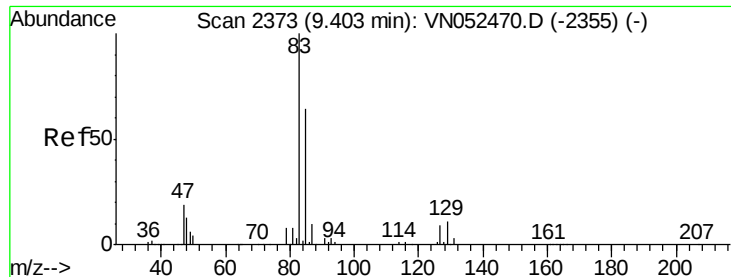
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 55.058 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

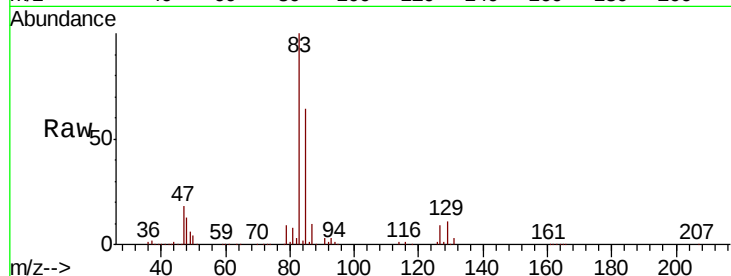
Tot Ion: 83 Resp: 715806

Ion Ratio Lower Upper

83 100

85 64.0 51.3 76.9

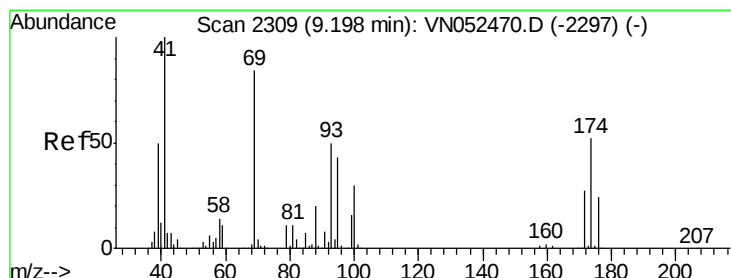
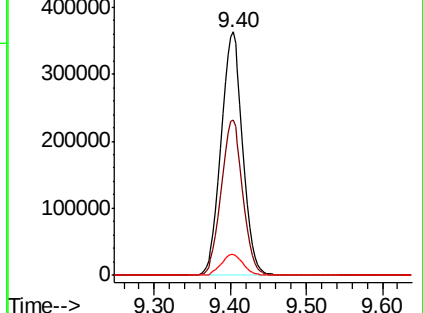
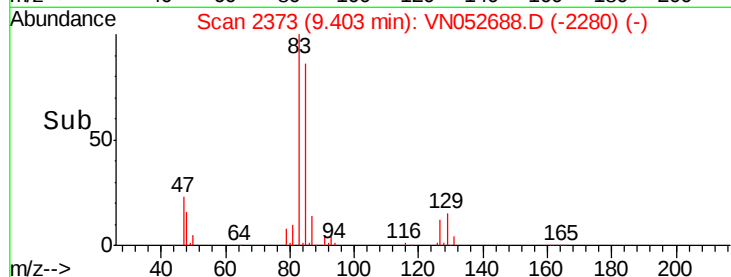
127 8.6 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052688.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052688.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052688.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.721 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

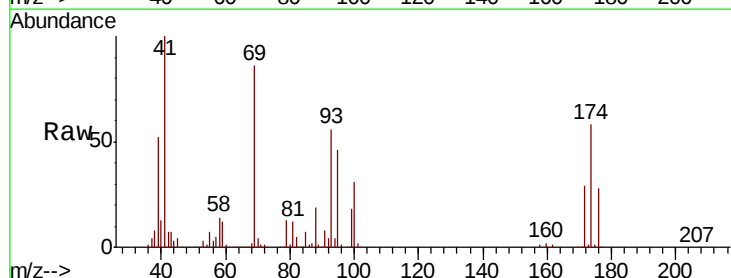
Tgt Ion: 41 Resp: 379725

Ion Ratio Lower Upper

41 100

69 89.1 70.0 105.0

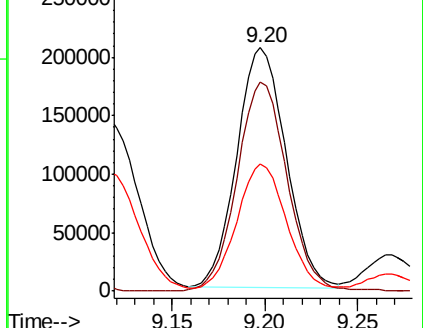
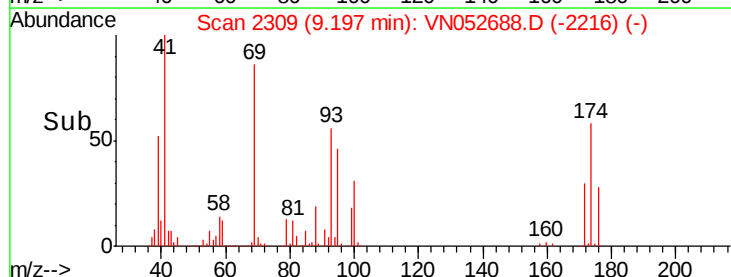
39 51.4 42.6 64.0

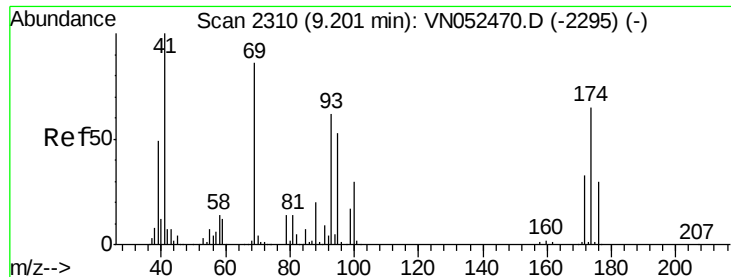


Abundance Ion 41.00 (40.70 to 41.70): VN052688.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052688.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052688.D (-2216) (-)

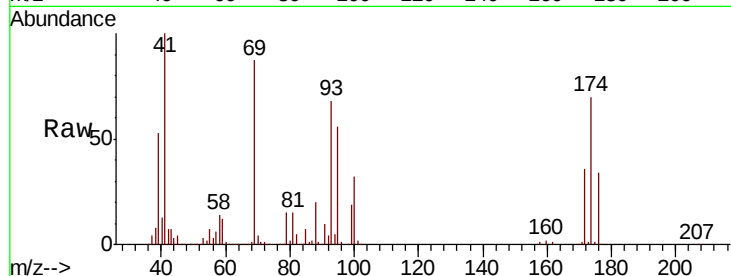




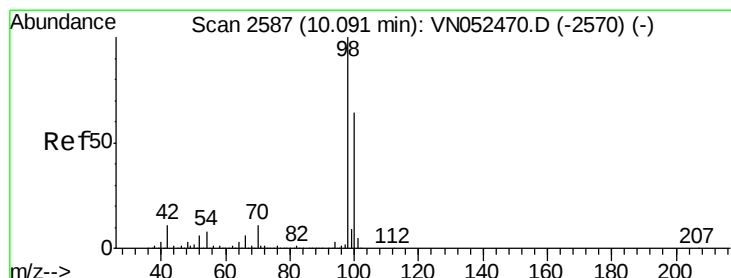
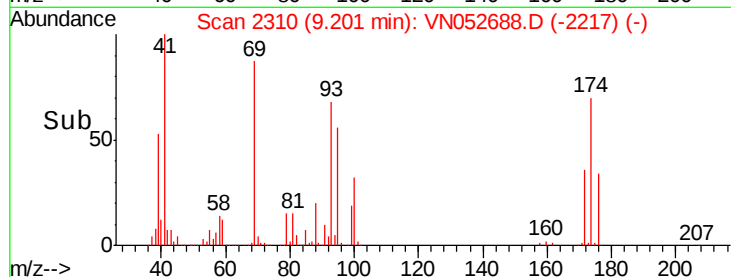
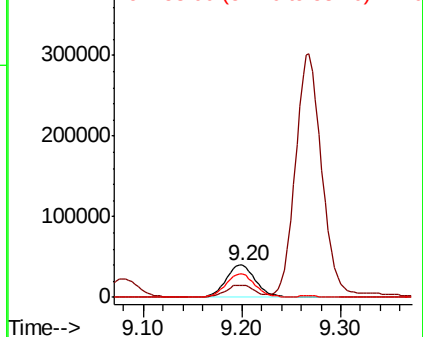
#49
1,4-Dioxane
Concen: 1106.691 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 84325
Ion Ratio Lower Upper
88 100
43 34.3 26.4 39.6
58 71.2 55.4 83.0

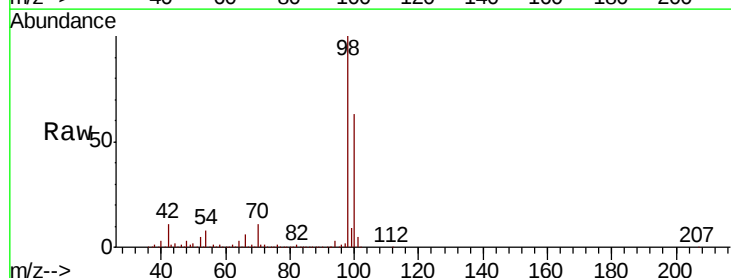


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

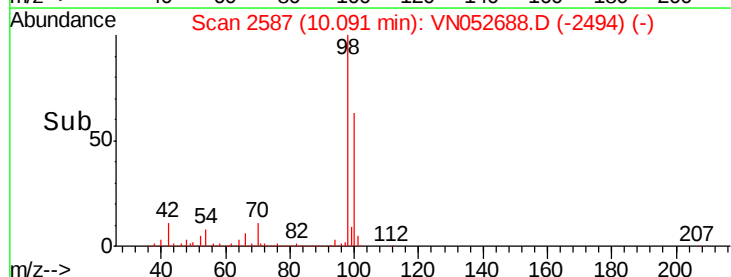
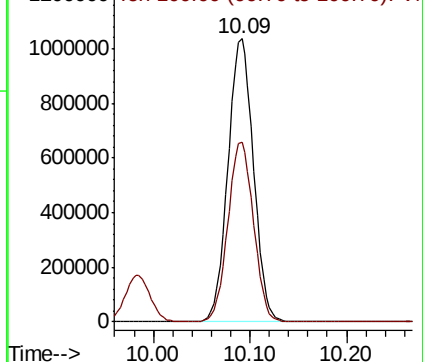


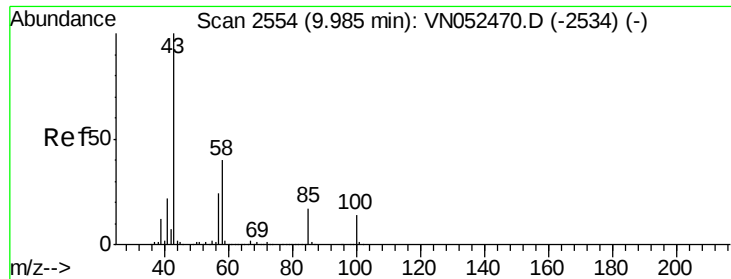
#50
Toluene-d8
Concen: 1106.691 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 98 Resp: 1898235
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



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

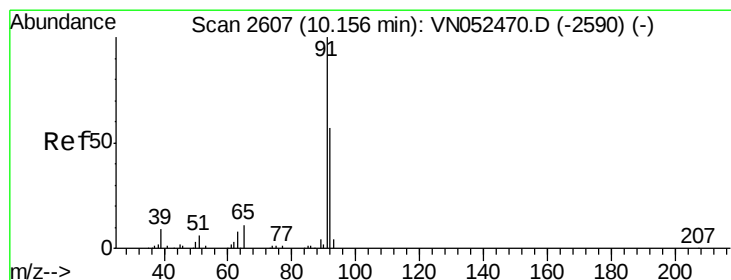
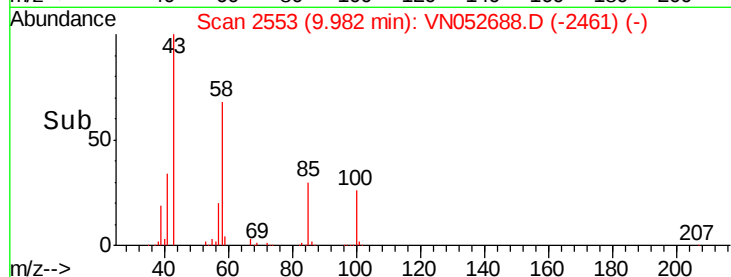
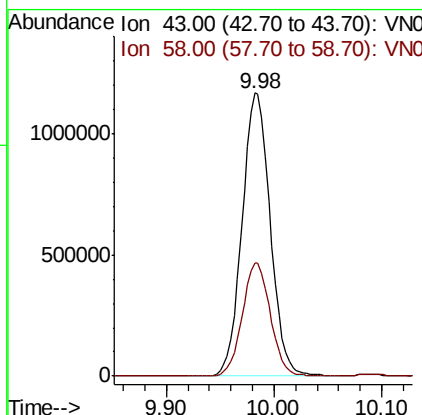
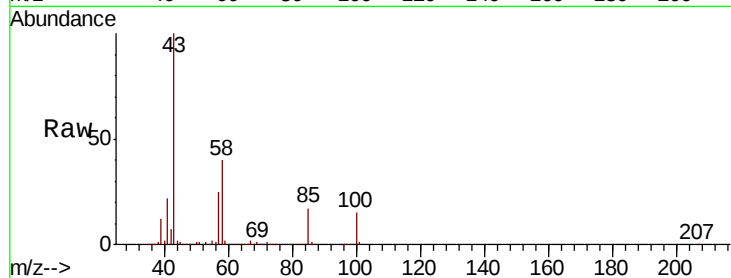




#51
 4-Methyl-2-Pentanone
 Concen: 267.483 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

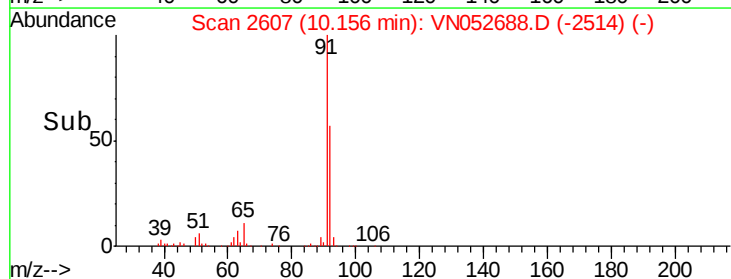
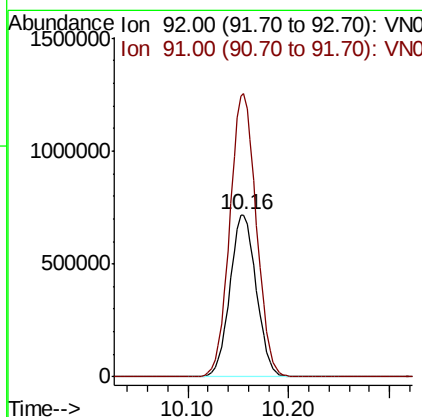
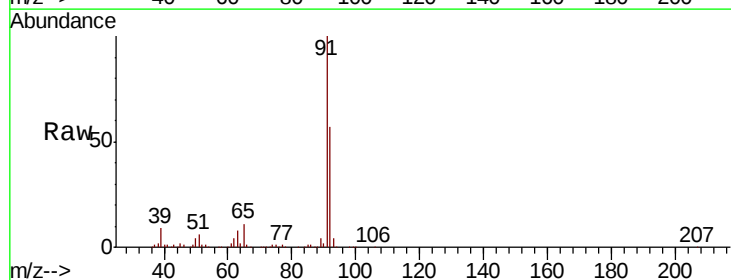
Instrument :
 MSVOA_N
 ClientSampled :

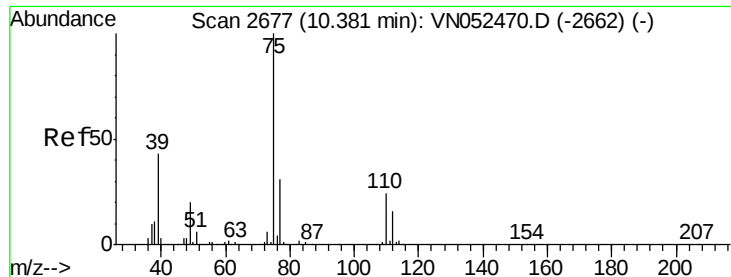
Tot Ion: 43 Resp: 2113113
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3



#52
 Toluene
 Concen: 54.214 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 92 Resp: 1308694
 Ion Ratio Lower Upper
 92 100
 91 175.4 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 56.484 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

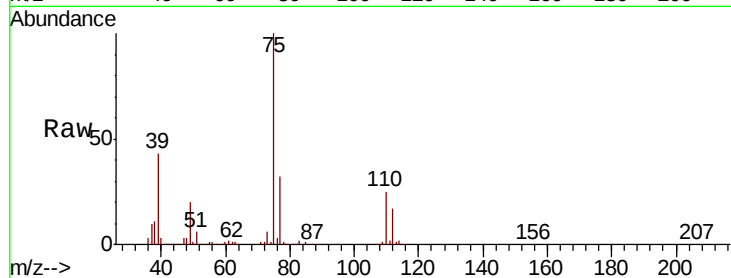
ClientSampled :

Tot Ion: 75 Resp: 706451

Ion Ratio Lower Upper

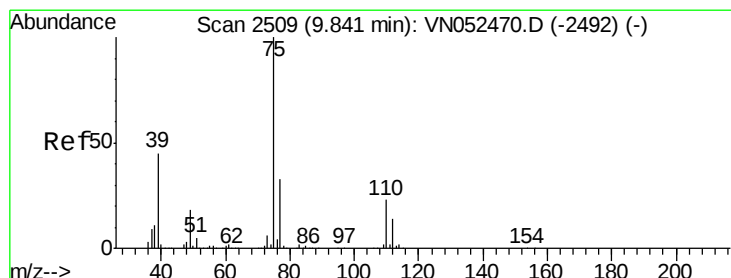
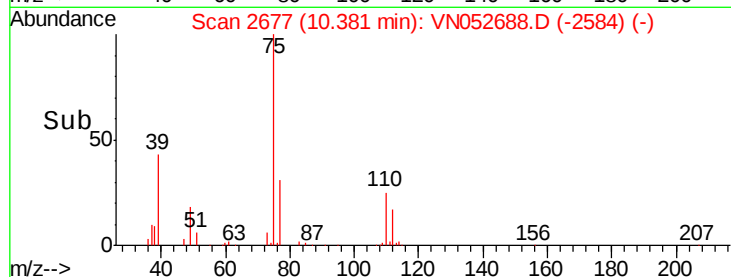
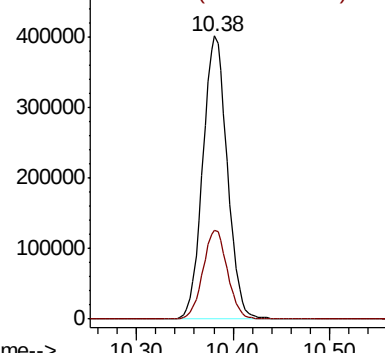
75 100

77 31.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 55.421 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

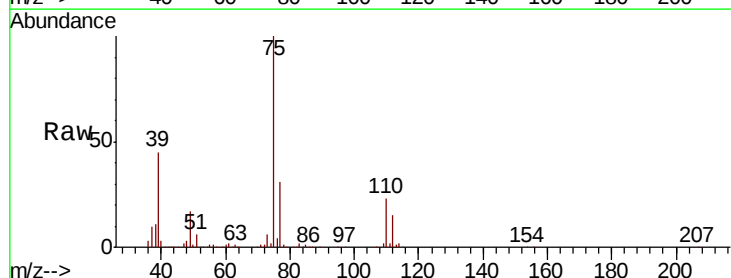
Tgt Ion: 75 Resp: 830655

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2

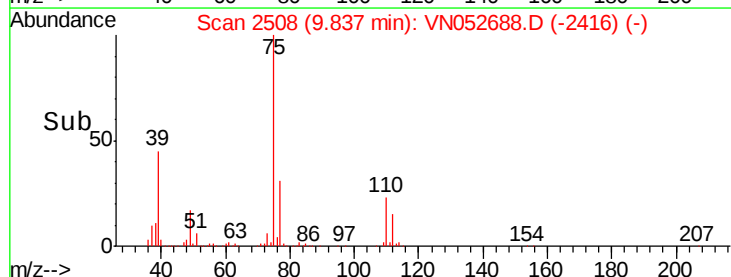
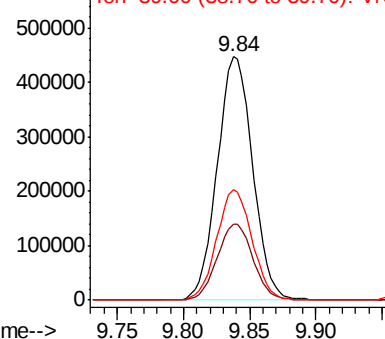
39 45.2 36.0 54.0

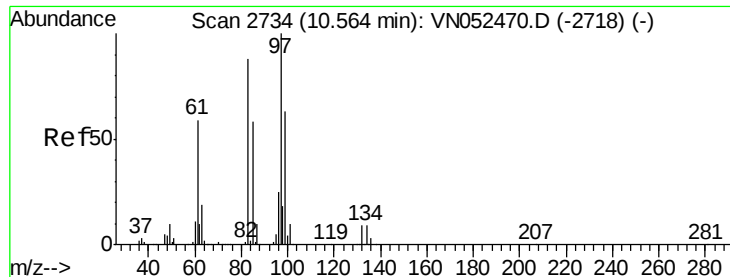


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 55.172 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 468472

Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.7	106.1
85	57.9	46.1	69.1
99	64.0	50.8	76.2

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Time-->

10.56

300000

200000

100000

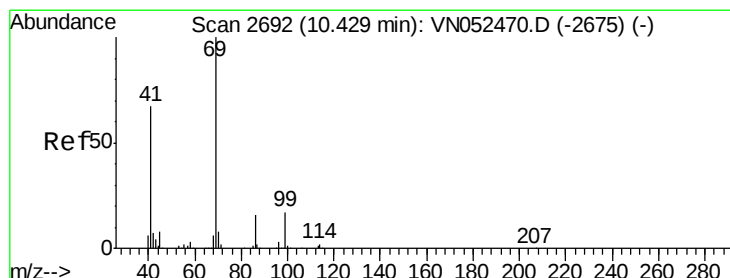
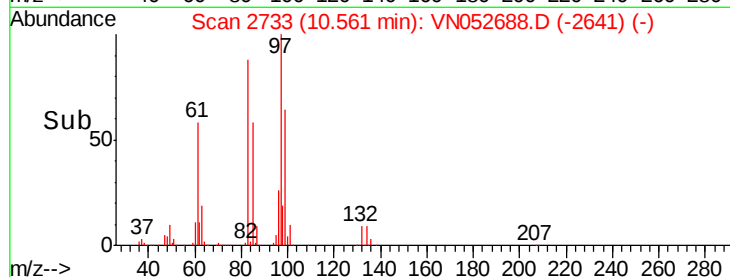
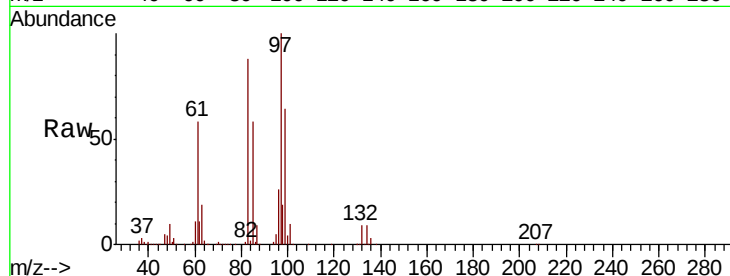
0

10.50 10.55 10.60

Time-->

10.56

Time-->



#56

Ethyl methacrylate

Concen: 50.019 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion: 69 Resp: 589780

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.6	79.0
39	31.3	25.9	38.9

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Time-->

10.43

400000

300000

200000

100000

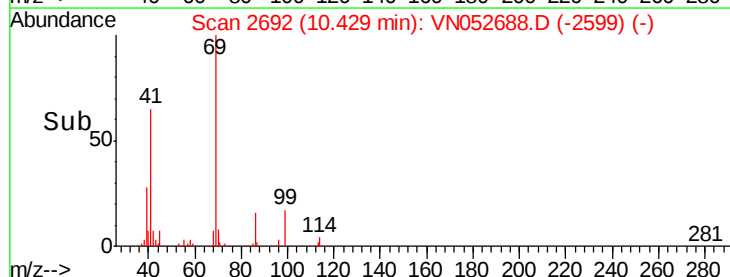
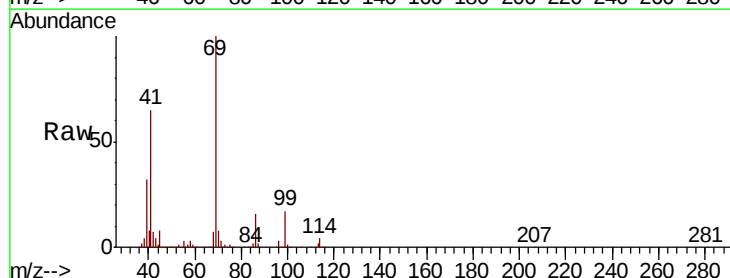
0

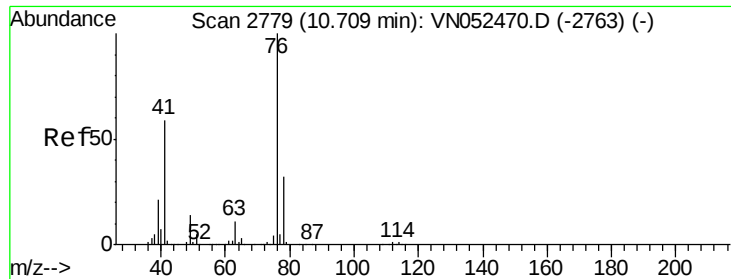
10.40 10.45 10.50

Time-->

10.43

Time-->

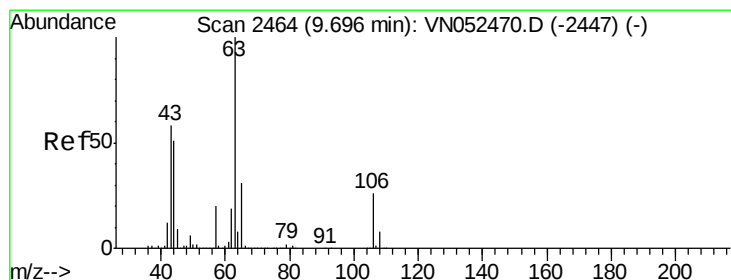
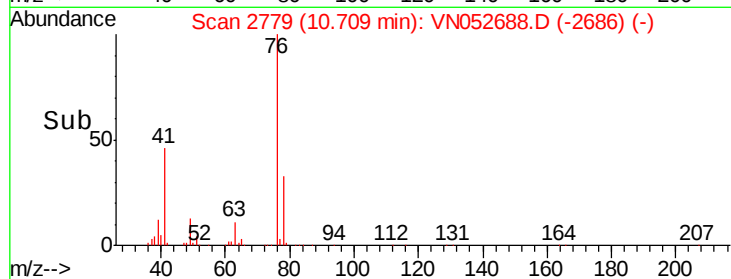
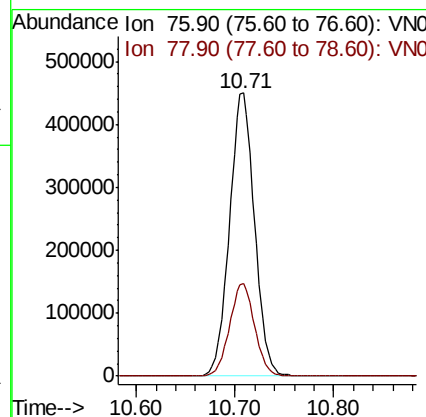
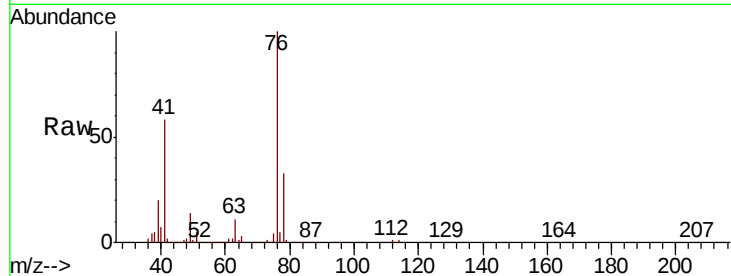




#57
 1,3-Dichloropropane
 Concen: 53.253 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

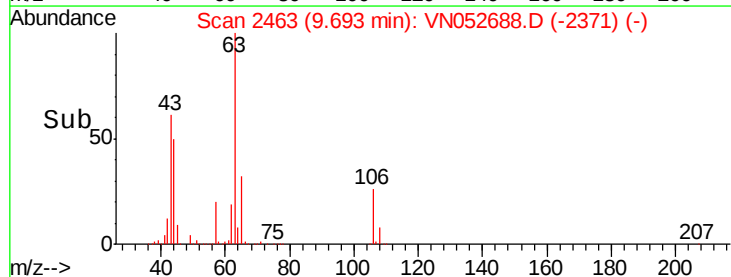
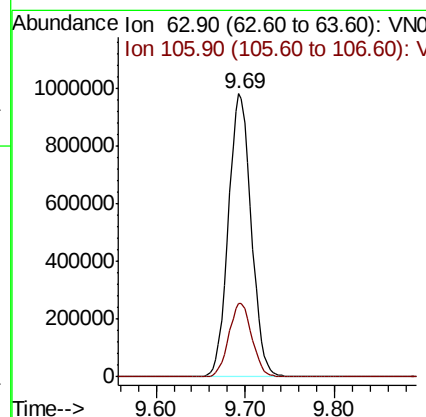
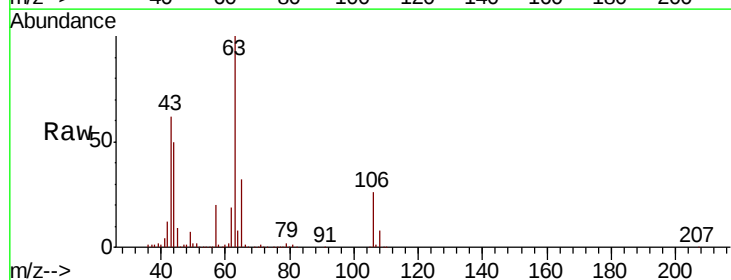
Instrument :
 MSVOA_N
 ClientSampled :

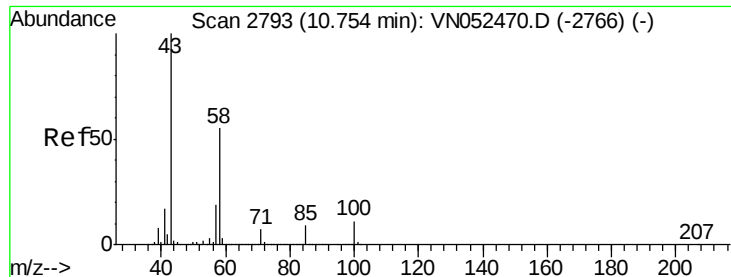
Tot Ion: 76 Resp: 798416
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.820 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 63 Resp: 1736410
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.6 30.8

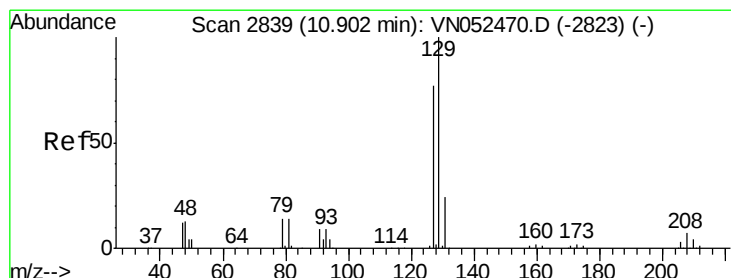
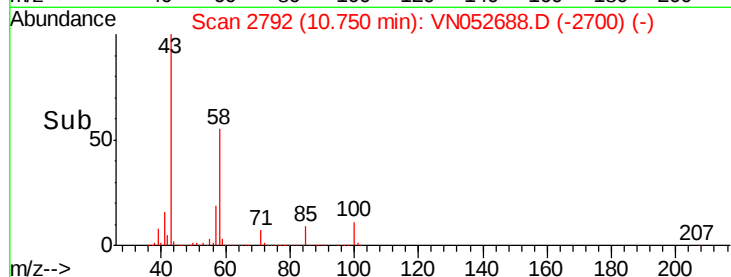
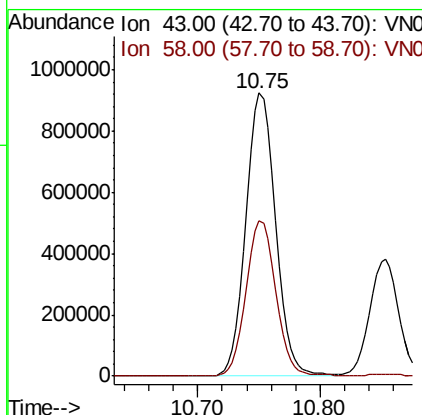
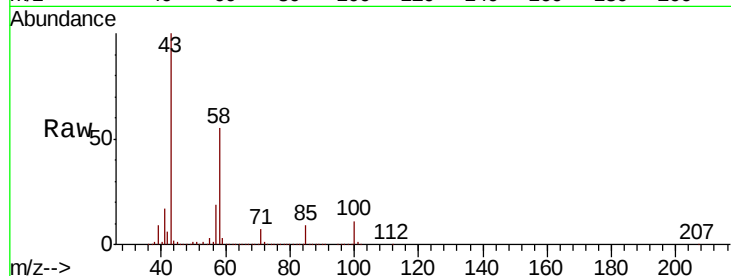




#59
2-Hexanone
Concen: 291.276 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

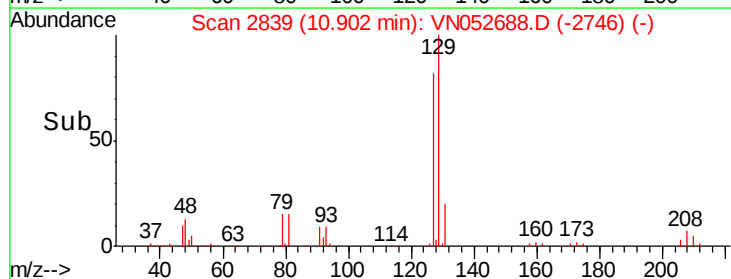
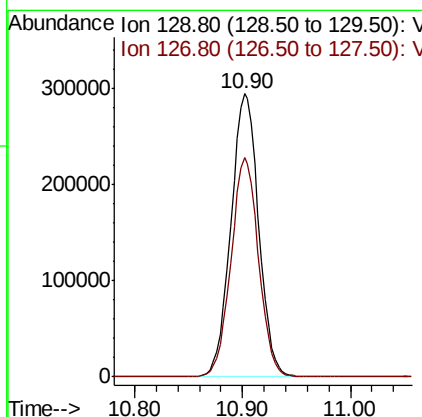
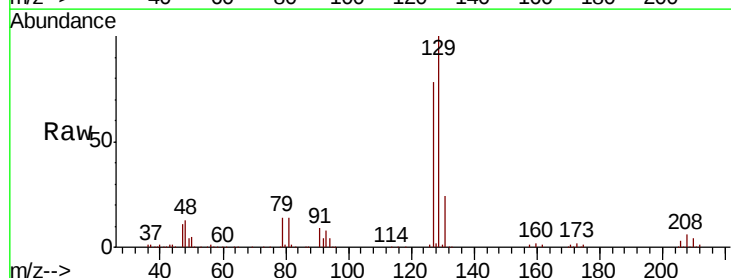
Instrument :
MSVOA_N
ClientSampled :

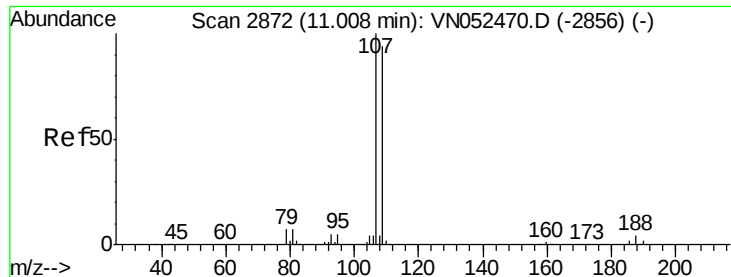
Tot Ion: 43 Resp: 1544375
Ion Ratio Lower Upper
43 100
58 55.2 27.4 82.0



#60
Dibromochloromethane
Concen: 57.069 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 129 Resp: 526310
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 53.809 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

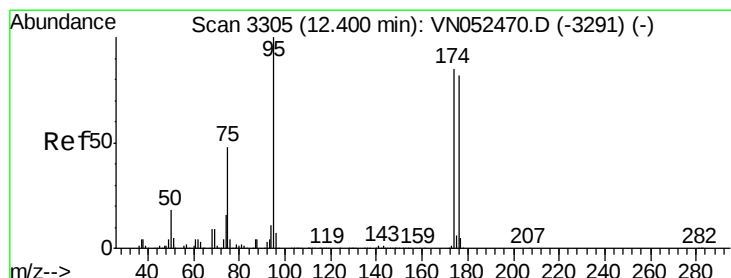
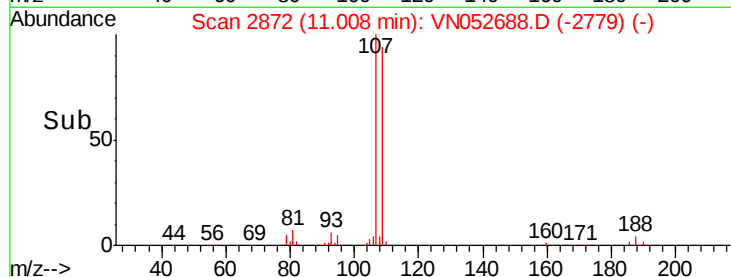
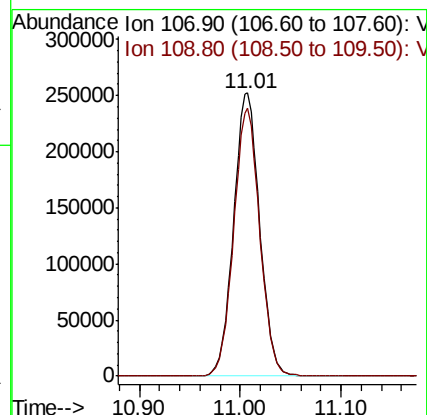
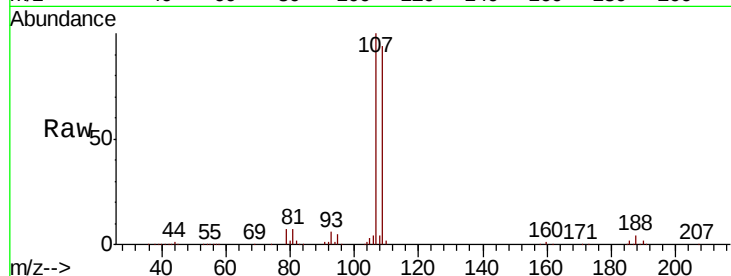
ClientSampled :

Tot Ion:107 Resp: 453802

Ion Ratio Lower Upper

107 100

109 94.6 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 53.809 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

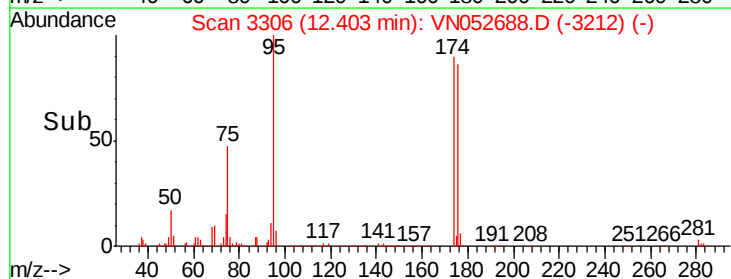
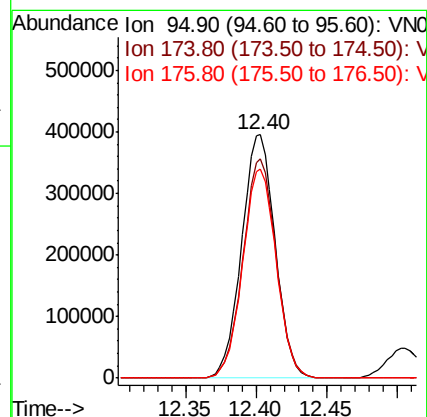
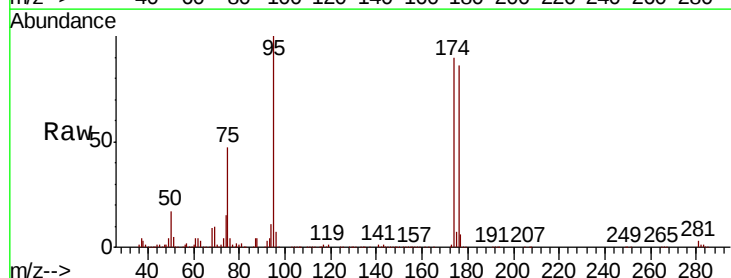
Tgt Ion: 95 Resp: 659003

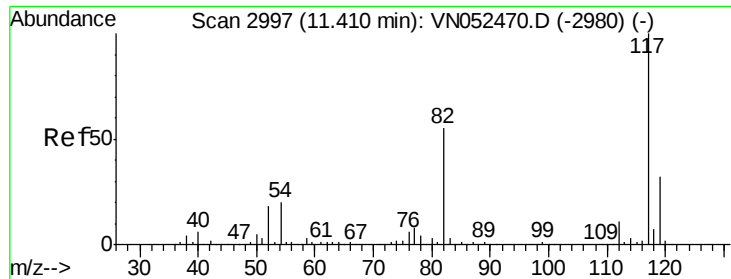
Ion Ratio Lower Upper

95 100

174 89.3 0.0 173.0

176 86.0 0.0 166.2

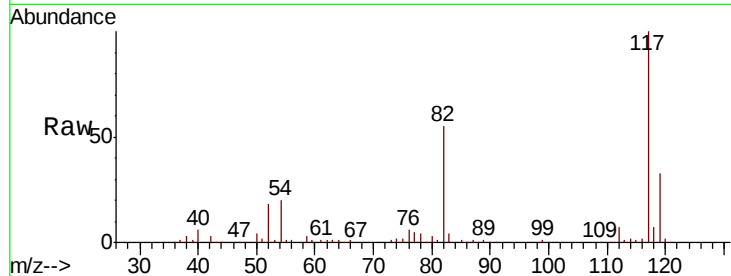




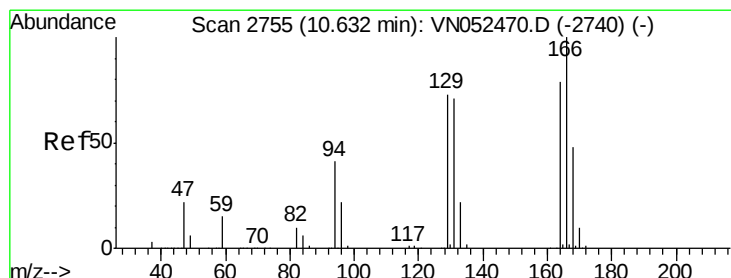
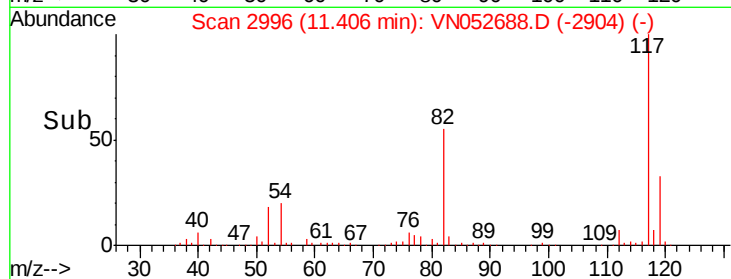
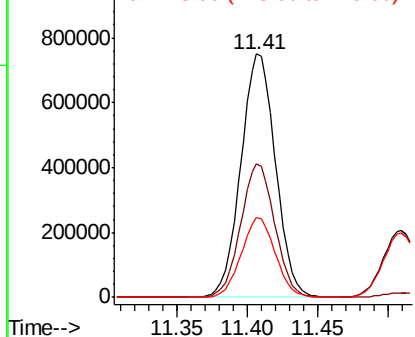
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1292053
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.6 25.4 38.2

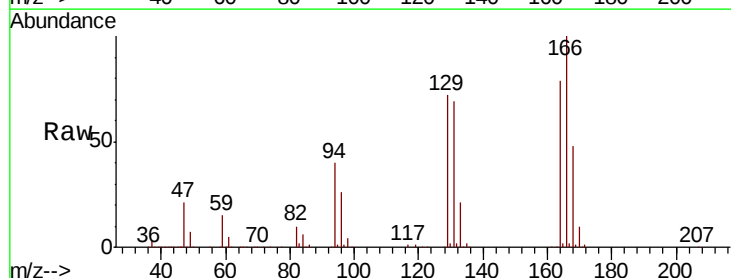


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

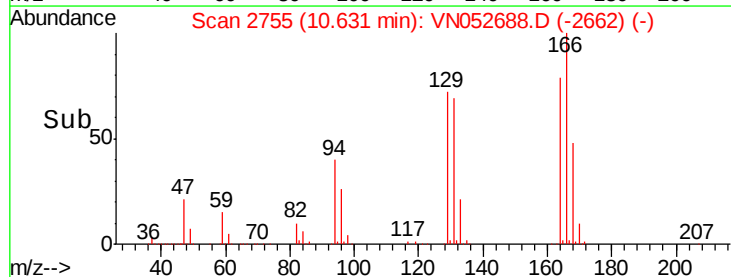
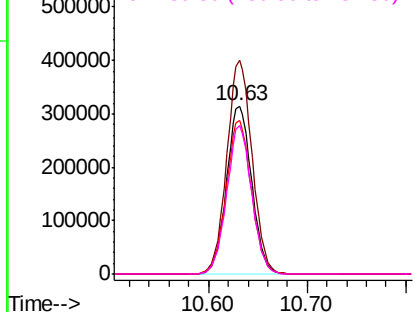


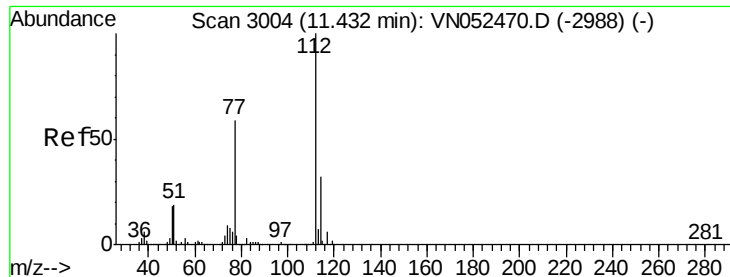
#64
Tetrachloroethene
Concen: 56.000 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:164 Resp: 560991
Ion Ratio Lower Upper
164 100
166 127.2 101.0 151.4
129 91.6 73.8 110.6
131 88.1 71.2 106.8



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

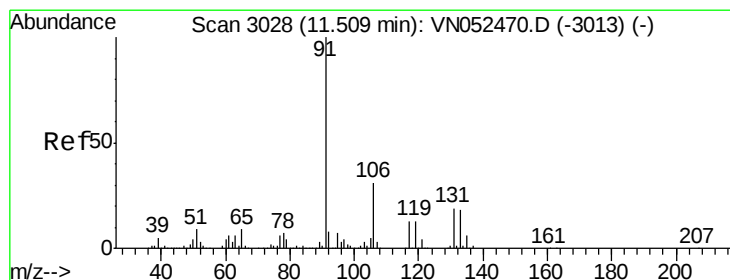
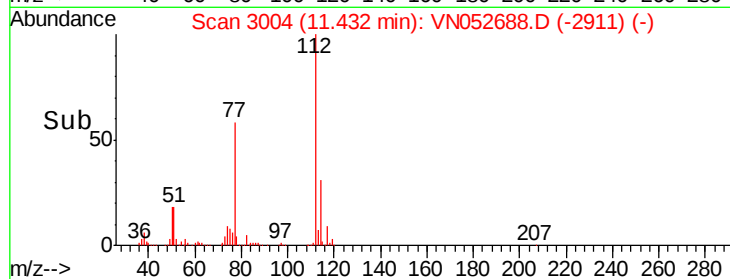
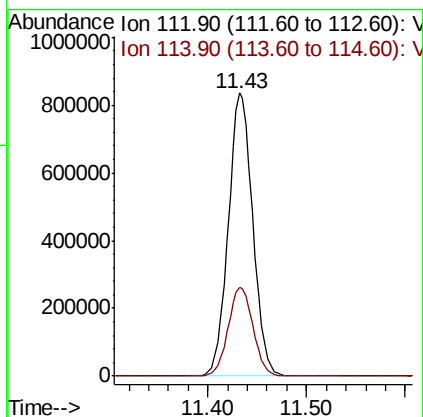
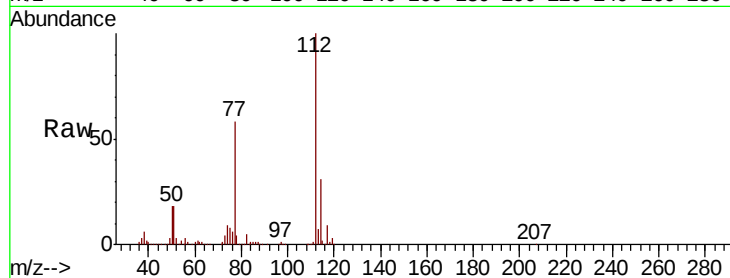




#65
Chlorobenzene
Concen: 54.138 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

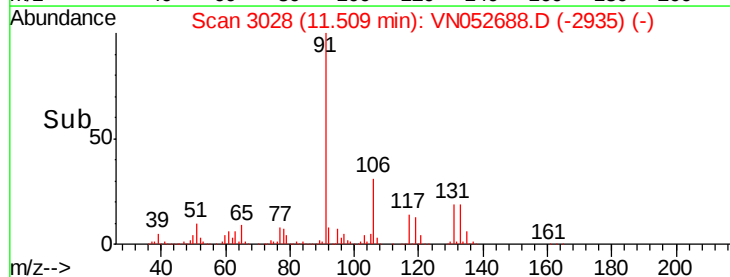
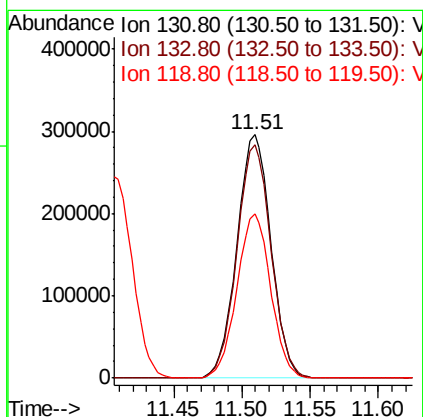
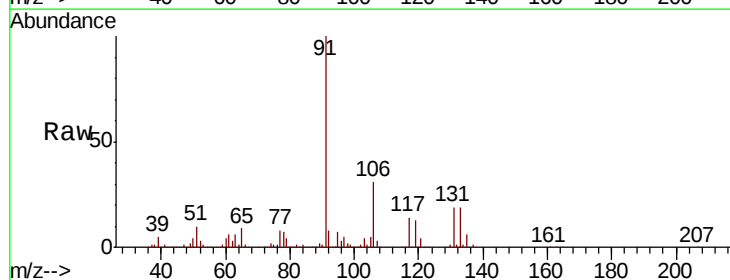
Instrument :
MSVOA_N
ClientSampleId :

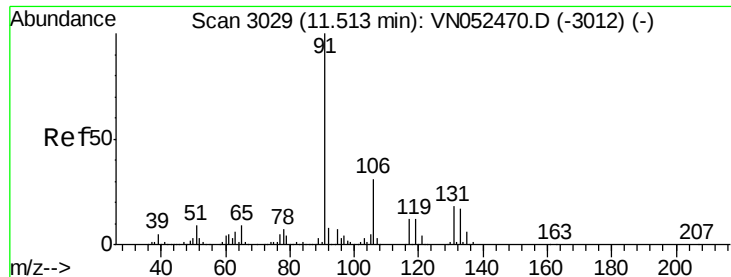
Tot Ion:112 Resp: 1442348
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.325 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:131 Resp: 512502
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.8
119 67.0 33.2 99.6





#67

Ethyl Benzene

Concen: 54.393 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

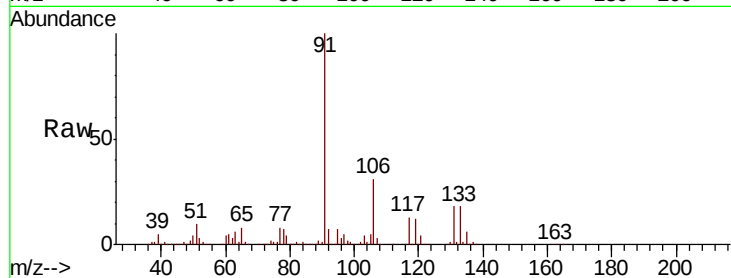
ClientSampleId :

Tot Ion: 91 Resp: 2537689

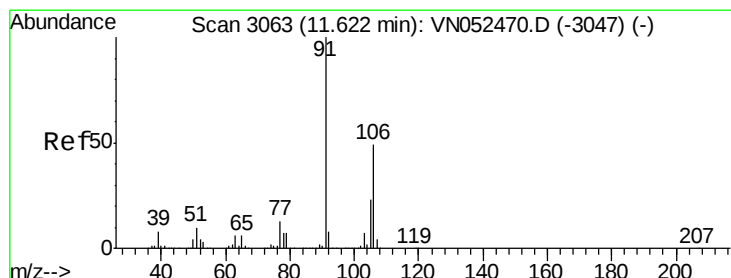
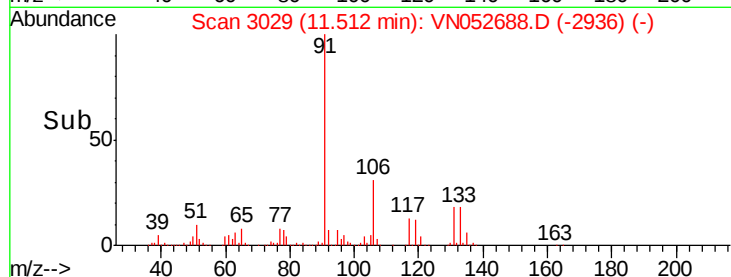
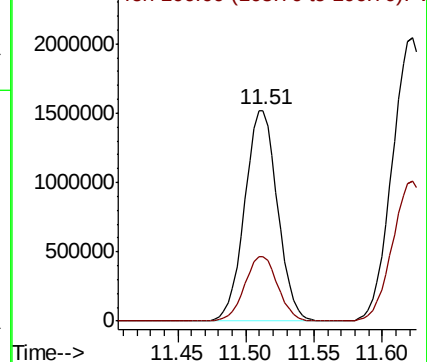
Ion Ratio Lower Upper

91 100

106 30.7 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)



#68

m/p-Xylenes

Concen: 110.478 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052688.D

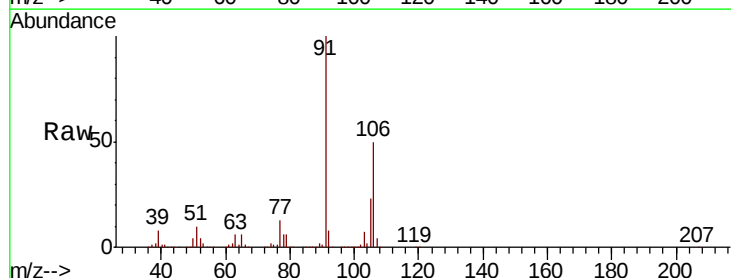
Acq: 6 Dec 2018 9:25

Tgt Ion: 106 Resp: 1918826

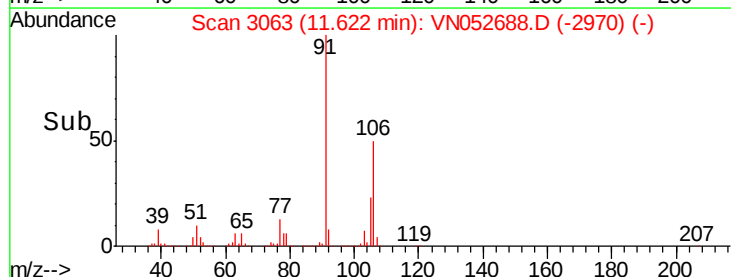
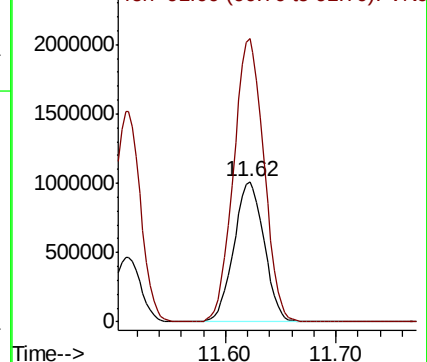
Ion Ratio Lower Upper

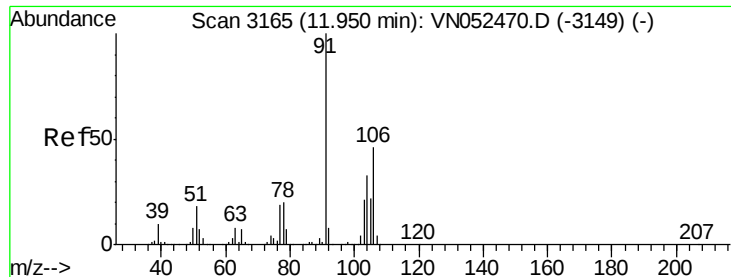
106 100

91 202.6 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)

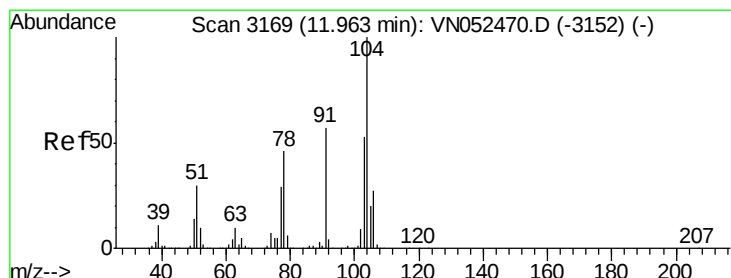
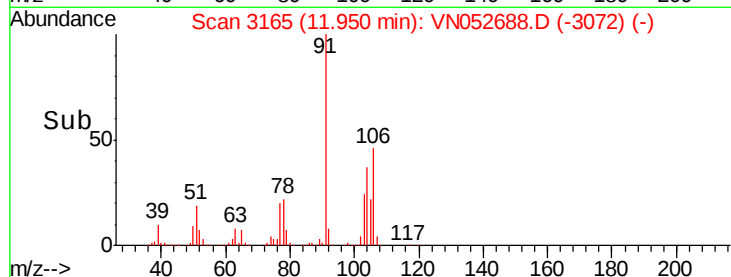
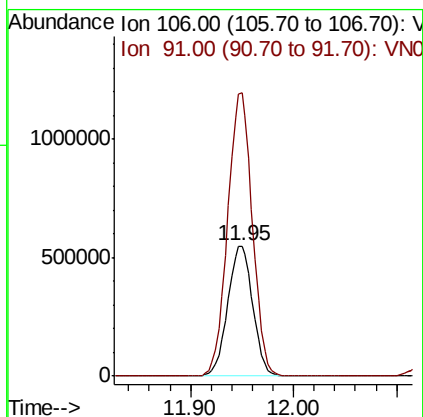
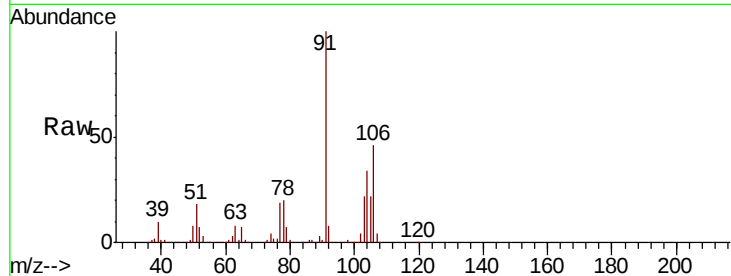




#69
o-Xylene
Concen: 54.801 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

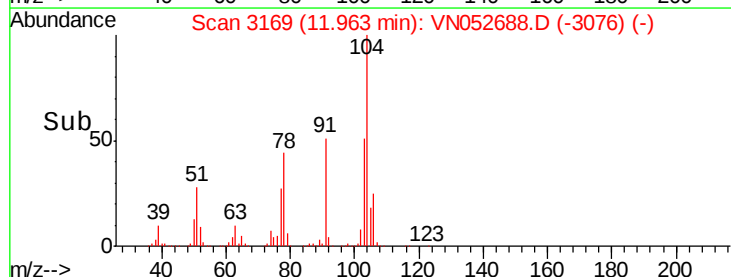
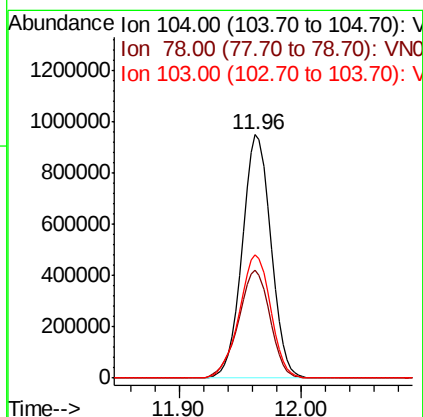
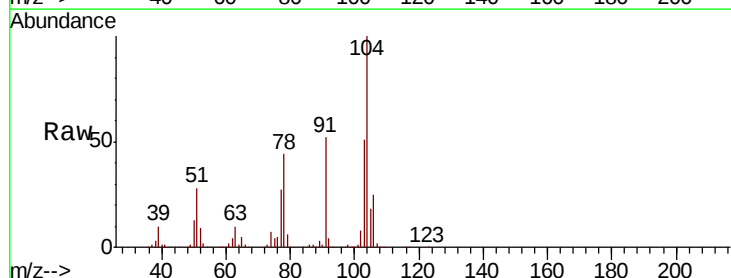
Instrument :
MSVOA_N
ClientSampled :

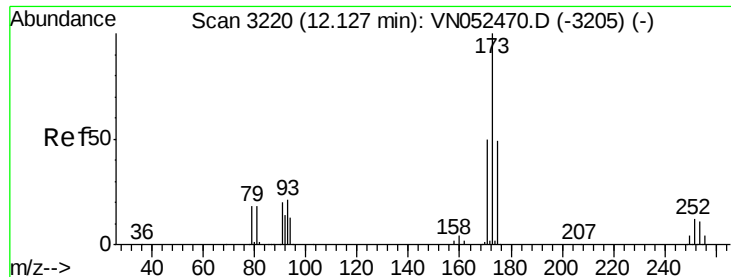
Tot Ion:106 Resp: 924281
Ion Ratio Lower Upper
106 100
91 215.5 107.7 323.1



#70
Styrene
Concen: 57.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:104 Resp: 1536523
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 55.7 44.9 67.3

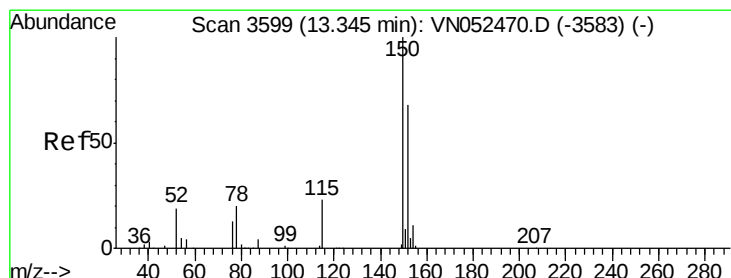
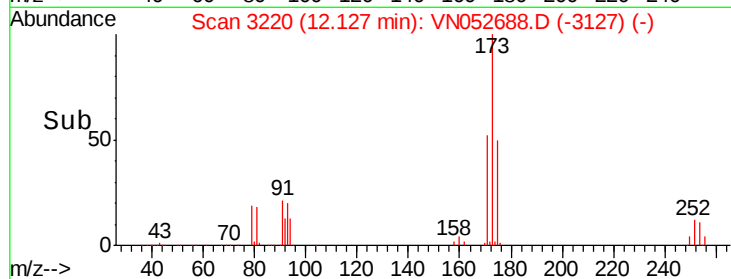
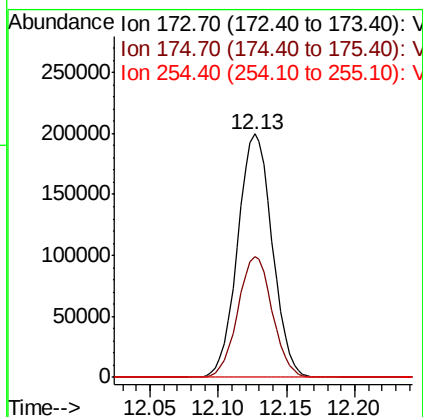
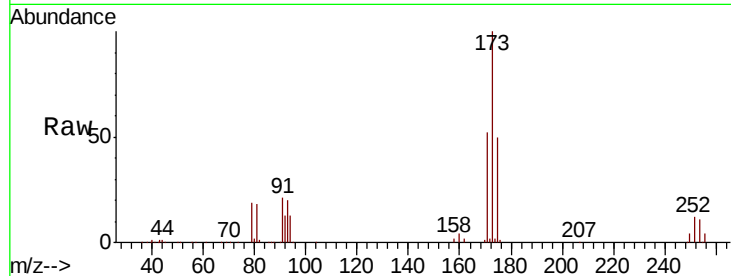




#71
Bromoform
Concen: 57.347 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

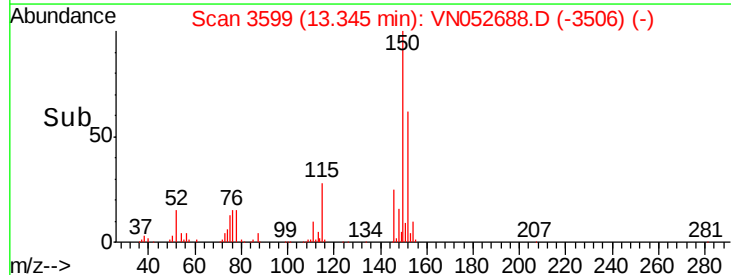
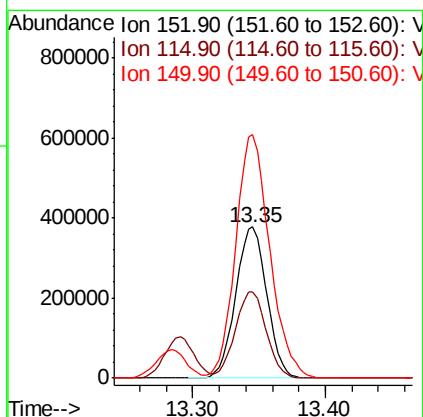
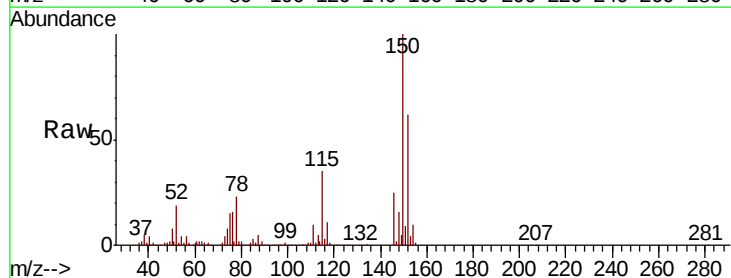
Instrument :
MSVOA_N
ClientSampled :

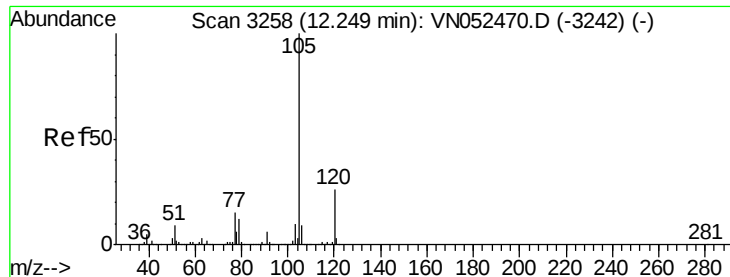
Tot Ion:173 Resp: 351745
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:152 Resp: 616210
Ion Ratio Lower Upper
152 100
115 57.1 28.4 85.2
150 176.0 0.0 346.0





#73

Isopropylbenzene

Concen: 52.000 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

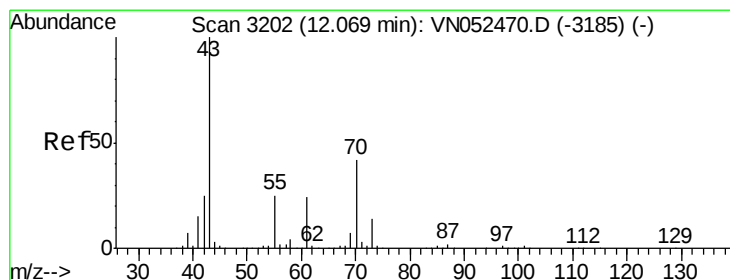
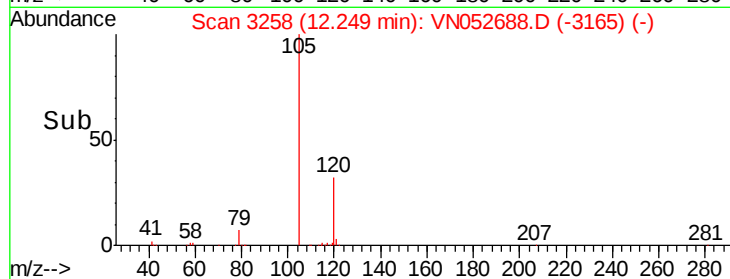
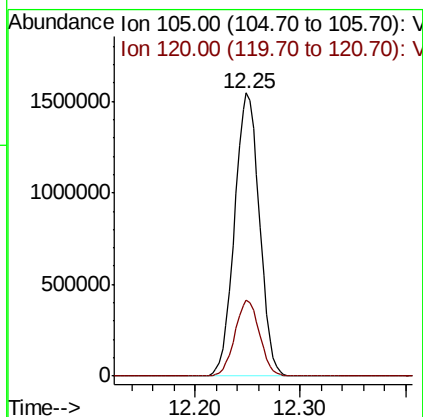
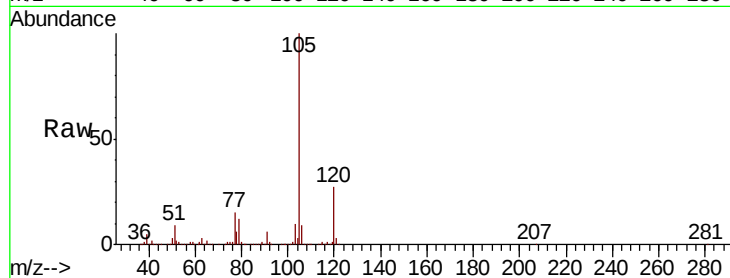
ClientSampleId :

Tot Ion:105 Resp: 2513963

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 52.077 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion: 43 Resp: 636065

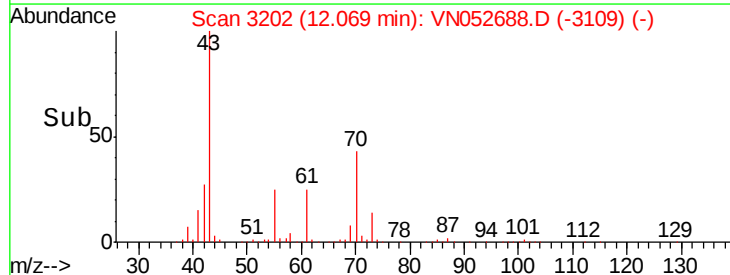
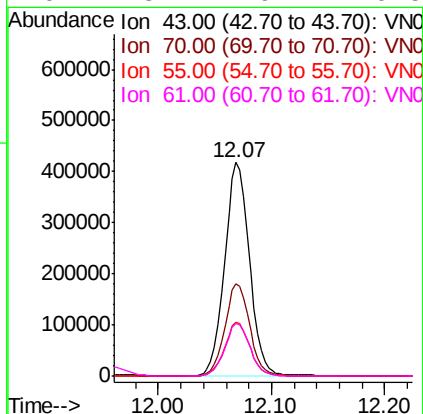
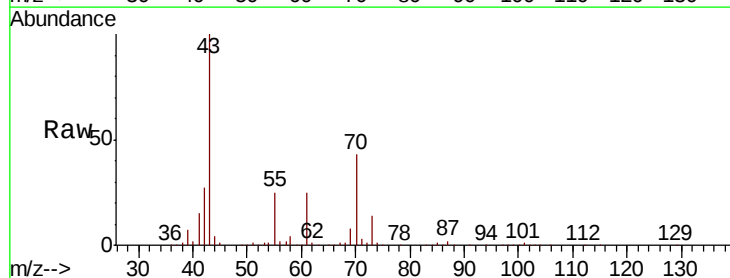
Ion Ratio Lower Upper

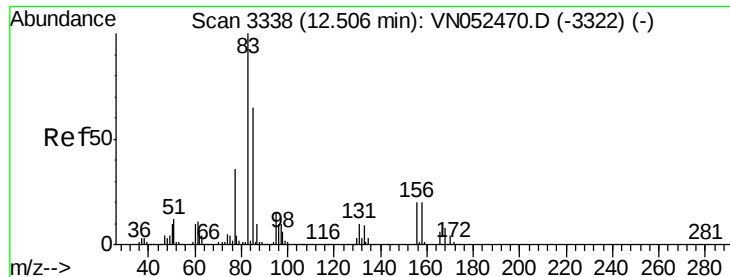
43 100

70 43.3 33.8 50.8

55 25.7 20.0 30.0

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.558 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

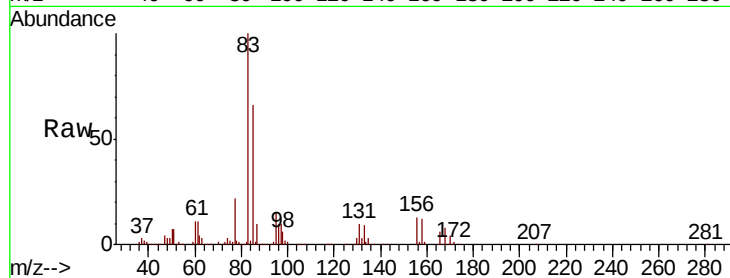
Tot Ion: 83 Resp: 545020

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

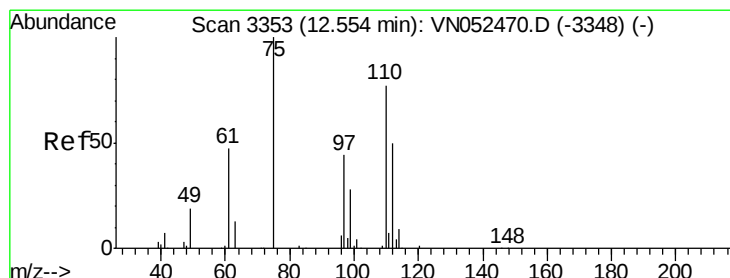
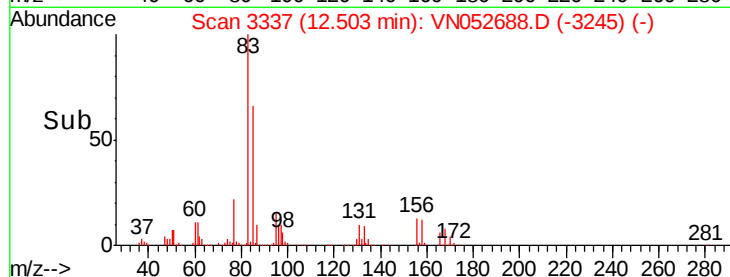
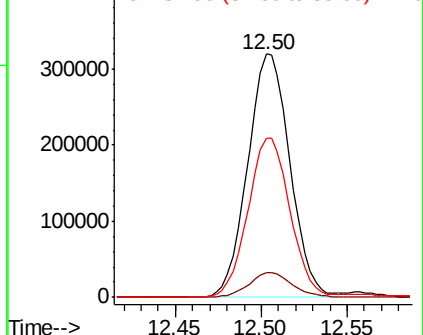
85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 73.357 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052688.D

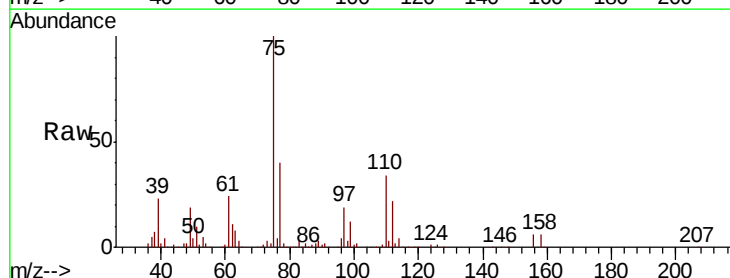
Acq: 6 Dec 2018 9:25

Tgt Ion: 75 Resp: 697056

Ion Ratio Lower Upper

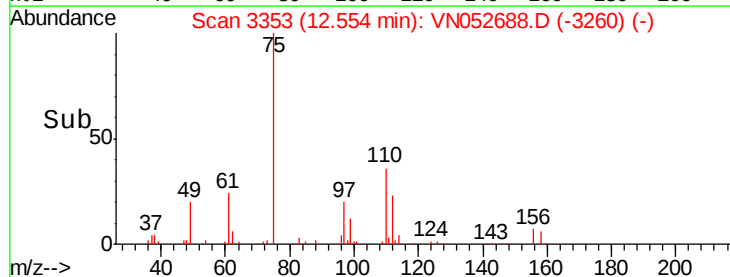
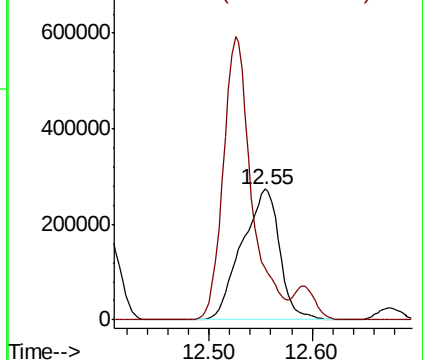
75 100

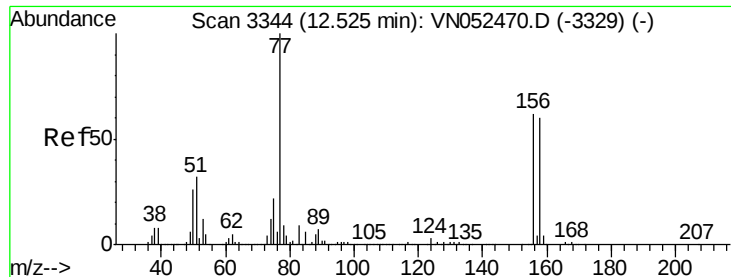
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.980 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

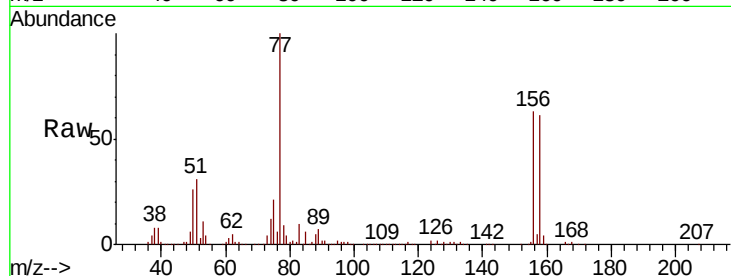
Tot Ion:156 Resp: 621145

Ion Ratio Lower Upper

156 100

77 183.5 93.5 280.4

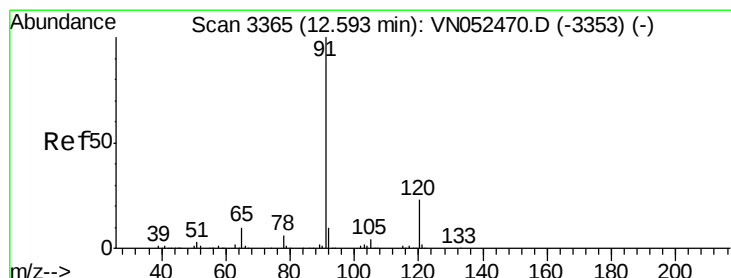
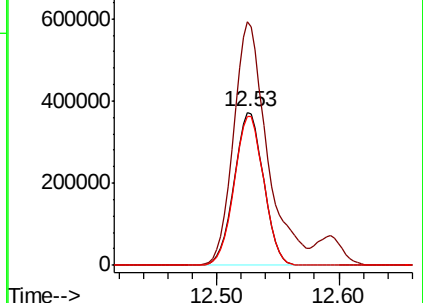
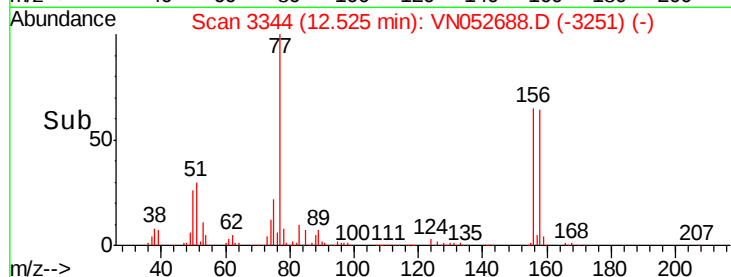
158 98.0 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.565 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052688.D

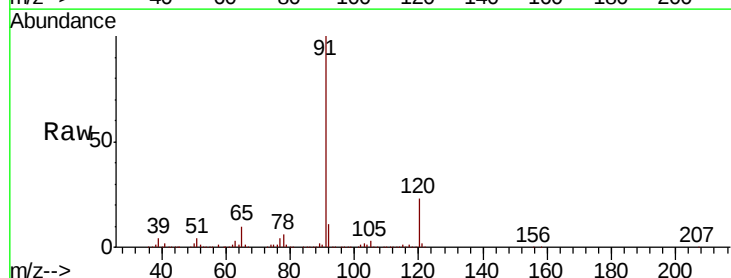
Acq: 6 Dec 2018 9:25

Tgt Ion: 91 Resp: 2941936

Ion Ratio Lower Upper

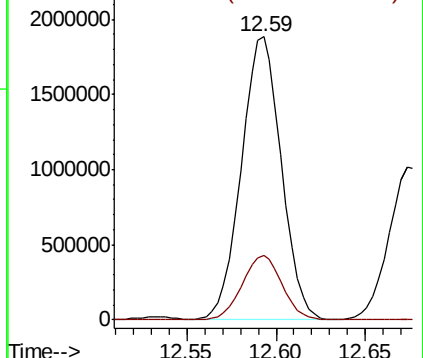
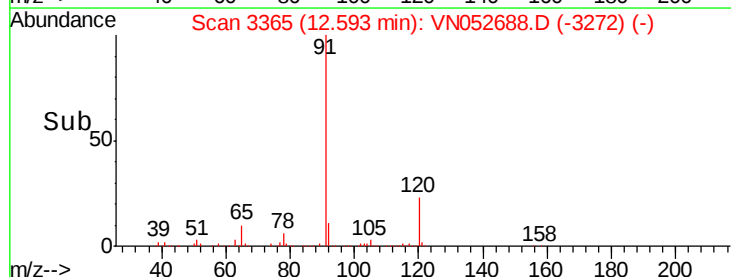
91 100

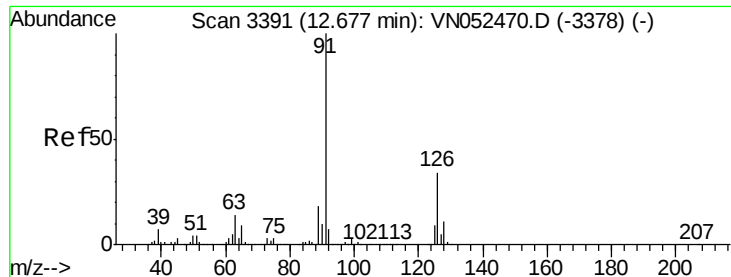
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.246 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

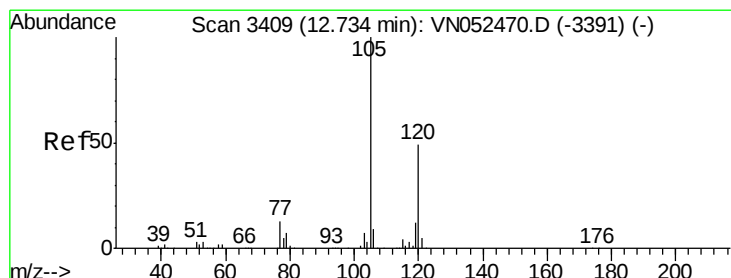
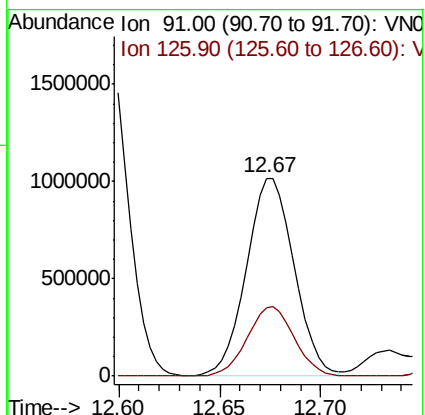
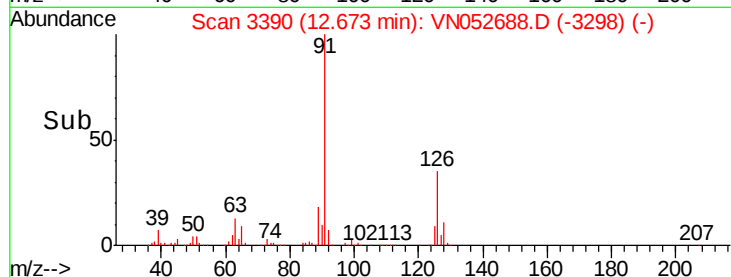
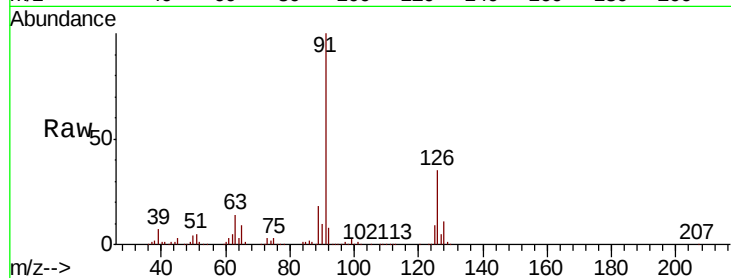
ClientSampleId :

Tot Ion: 91 Resp: 1676093

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 53.117 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052688.D

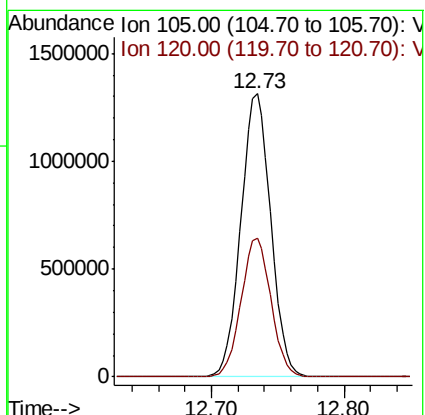
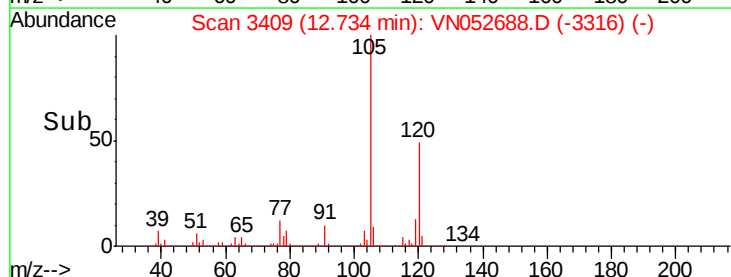
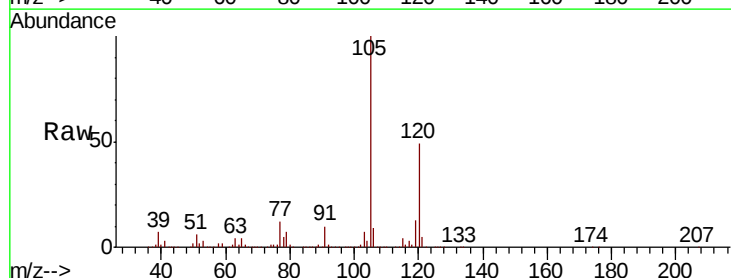
Acq: 6 Dec 2018 9:25

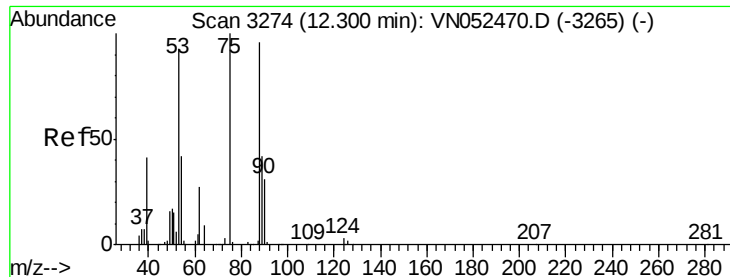
Tgt Ion:105 Resp: 2048047

Ion Ratio Lower Upper

105 100

120 49.0 24.3 73.0

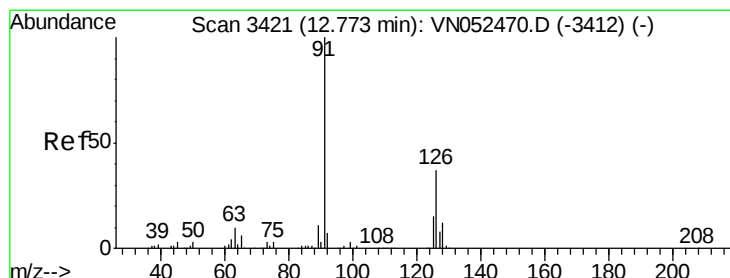
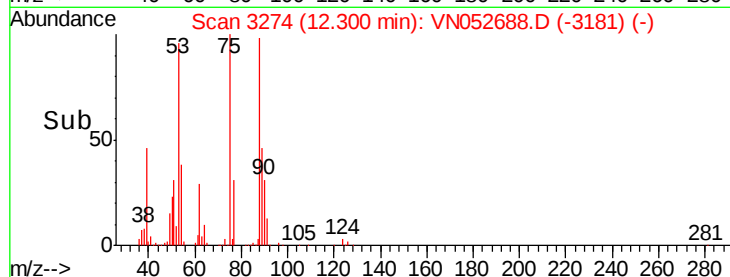
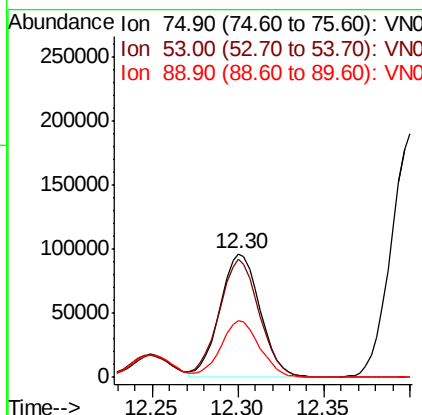
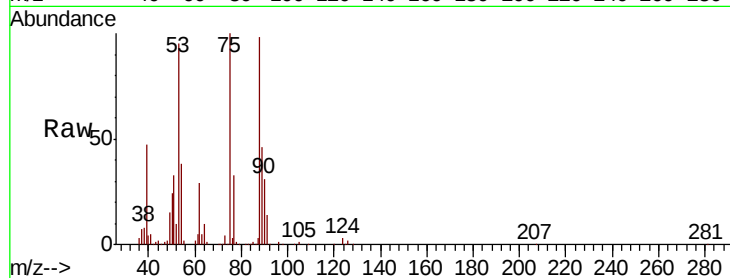




#81
trans-1,4-Dichloro-2-butene
Concen: 54.952 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

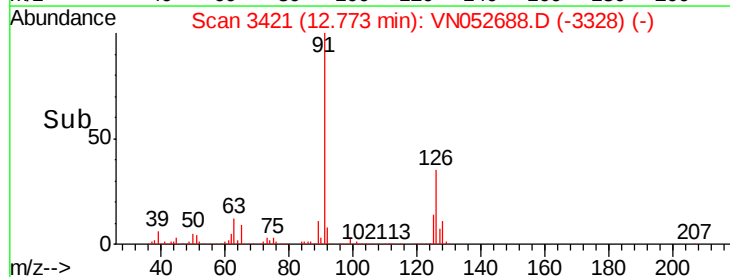
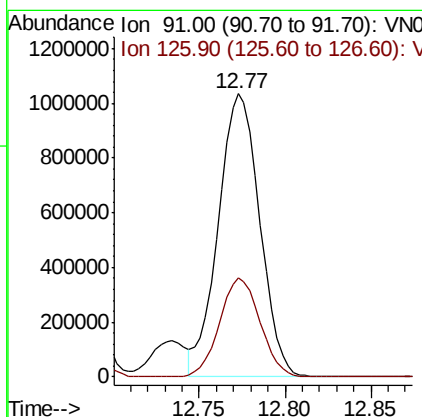
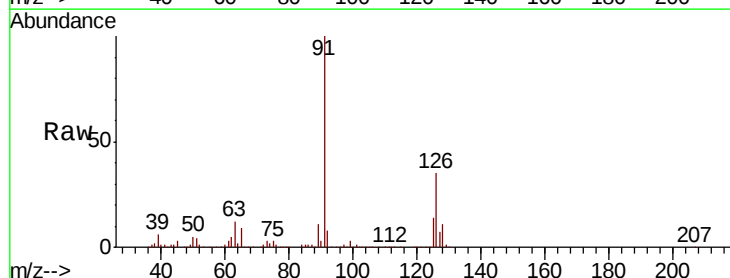
Instrument :
MSVOA_N
ClientSampled :

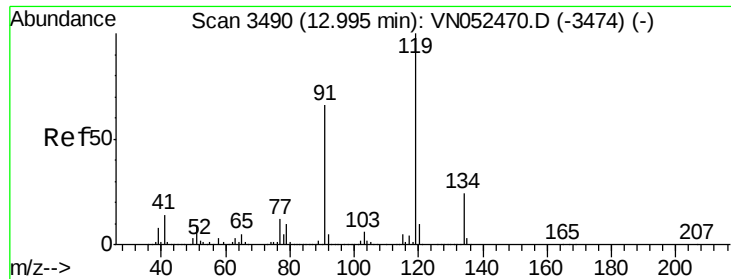
Tot Ion: 75 Resp: 156361
Ion Ratio Lower Upper
75 100
53 96.7 77.4 116.0
89 44.8 35.4 53.2



#82
4-Chlorotoluene
Concen: 52.463 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 91 Resp: 1729351
Ion Ratio Lower Upper
91 100
126 34.3 16.9 50.6

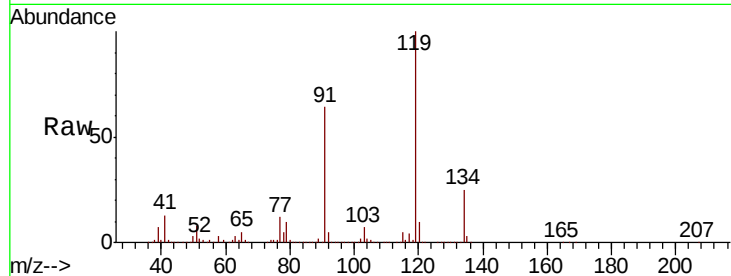




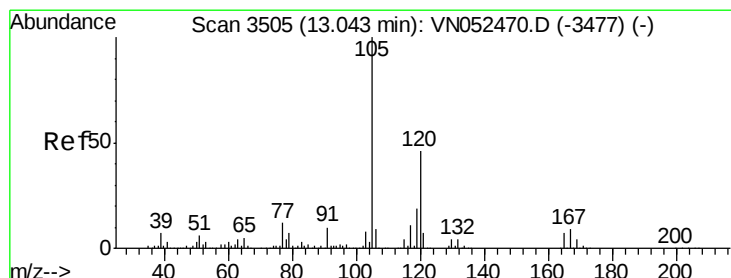
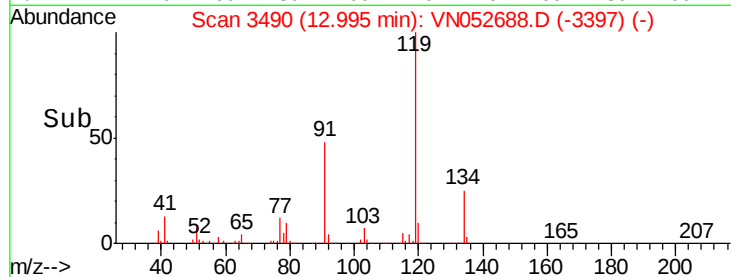
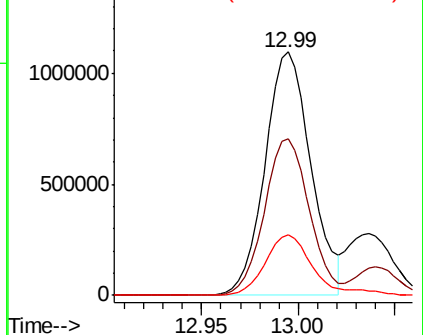
#83
 tert-Butylbenzene
 Concen: 52.789 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 1814559
 Ion Ratio Lower Upper
 119 100
 91 63.3 32.3 96.9
 134 26.0 13.0 38.9

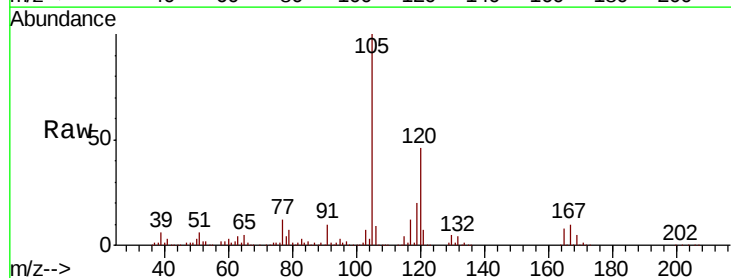


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

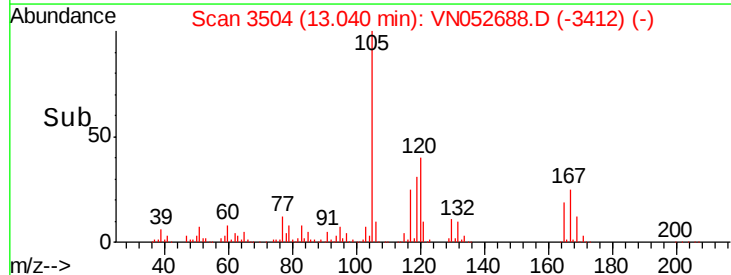
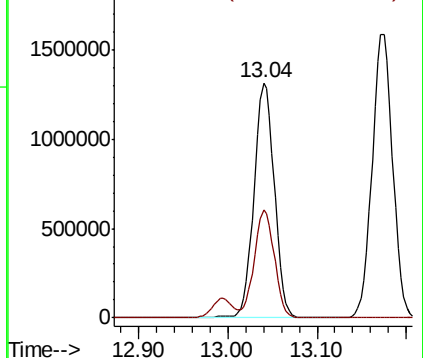


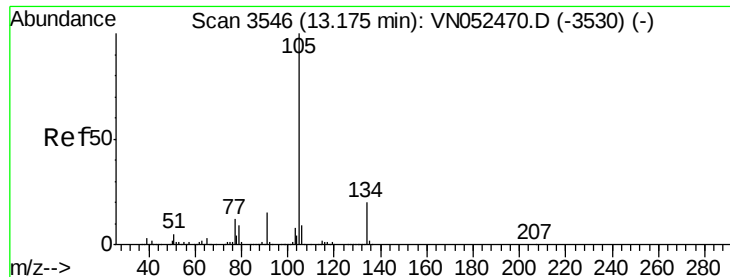
#84
 1,2,4-Trimethylbenzene
 Concen: 53.765 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion:105 Resp: 2077526
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

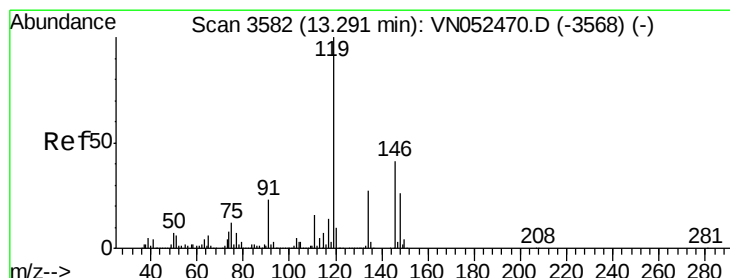
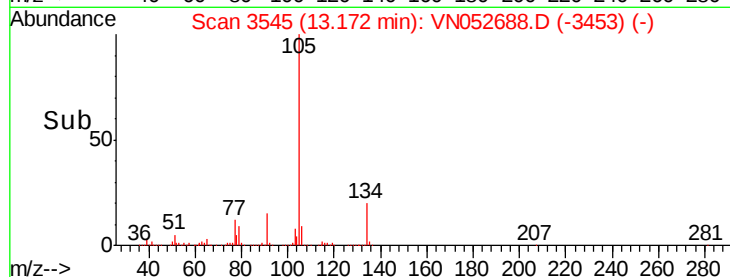
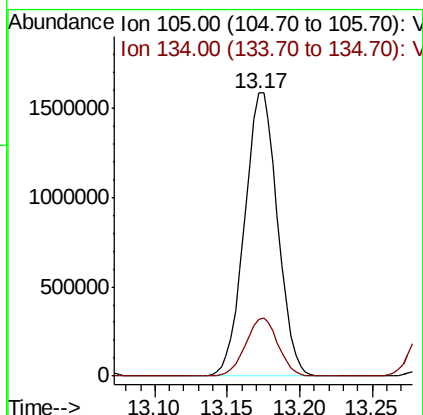
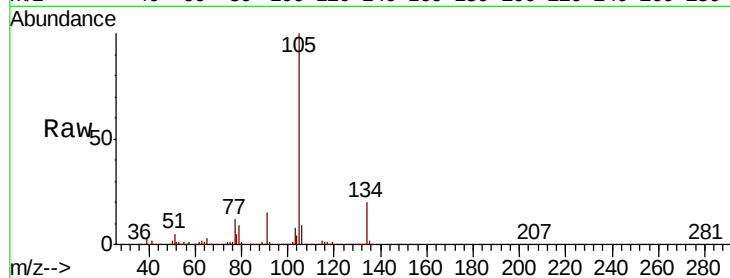




#85
 sec-Butylbenzene
 Concen: 53.616 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

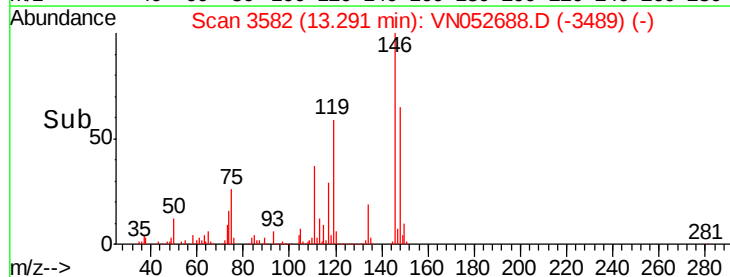
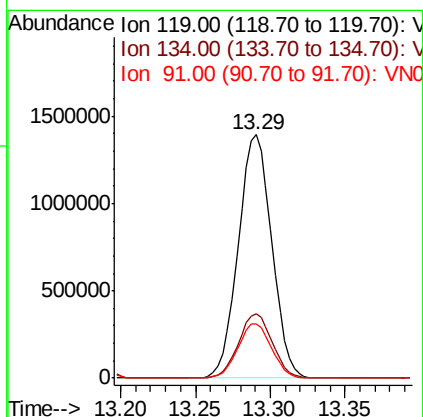
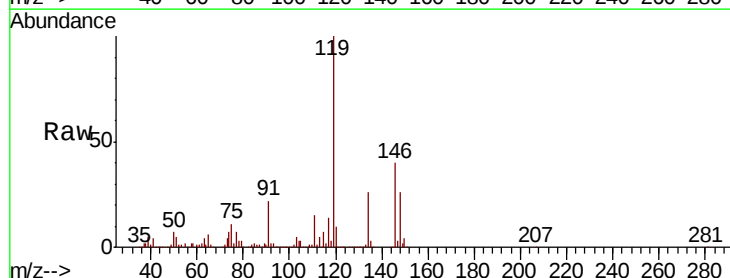
Instrument :
 MSVOA_N
 ClientSampled :

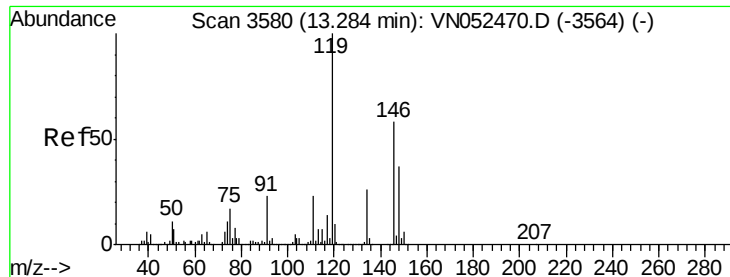
Tot Ion:105 Resp: 2510224
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 54.331 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion:119 Resp: 2166546
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 53.548 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

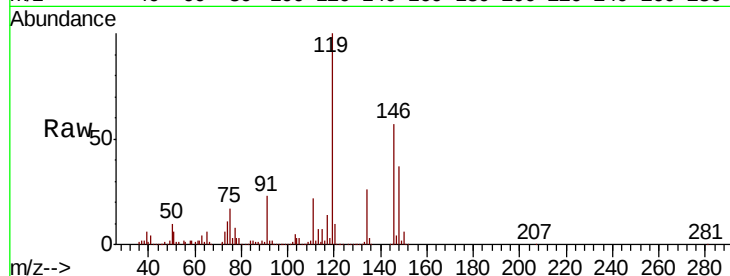
Tot Ion:146 Resp: 1119299

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.4

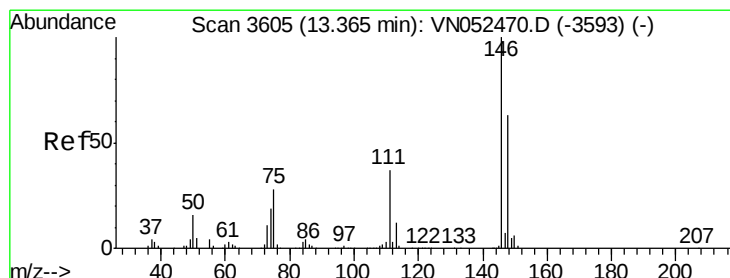
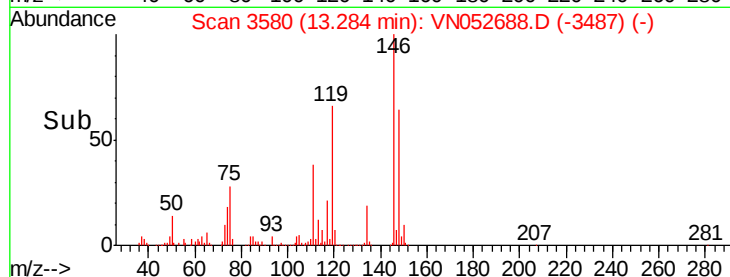
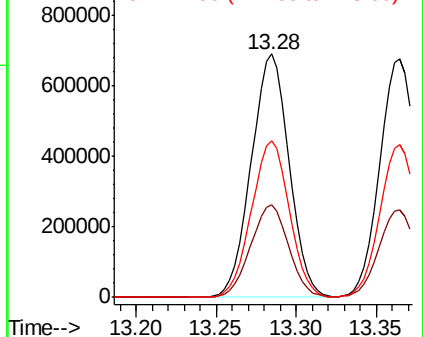
148 64.4 31.8 95.4



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: 53.644 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

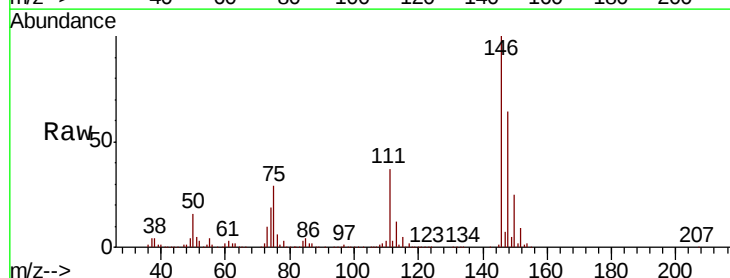
Tgt Ion:146 Resp: 1104483

Ion Ratio Lower Upper

146 100

111 37.2 18.6 56.0

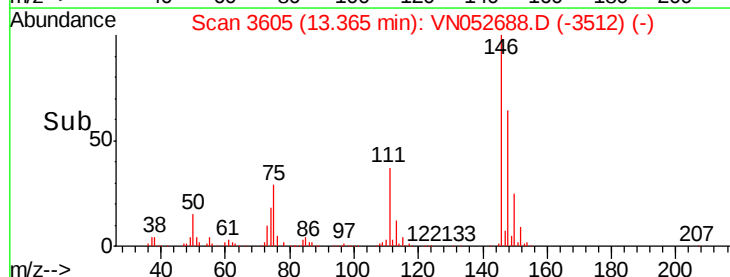
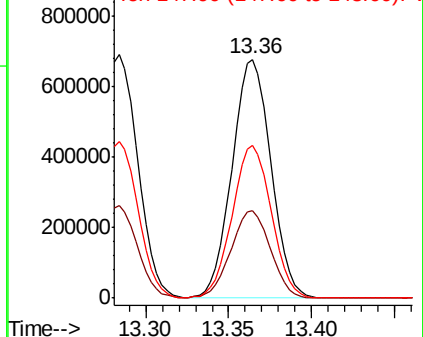
148 64.3 31.9 95.9

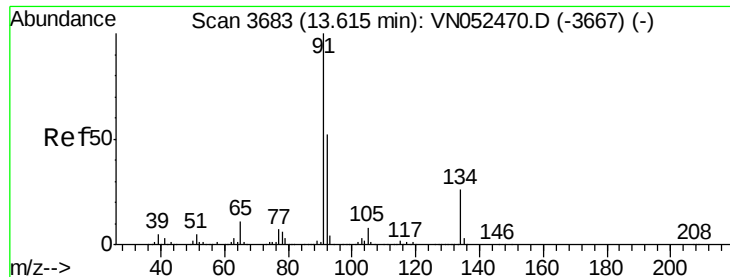


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.969 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

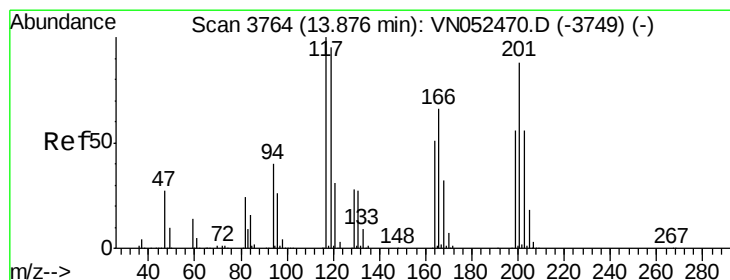
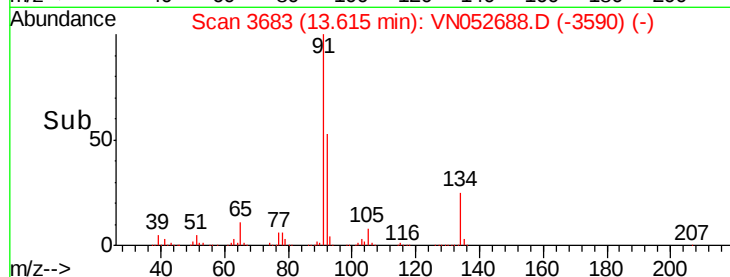
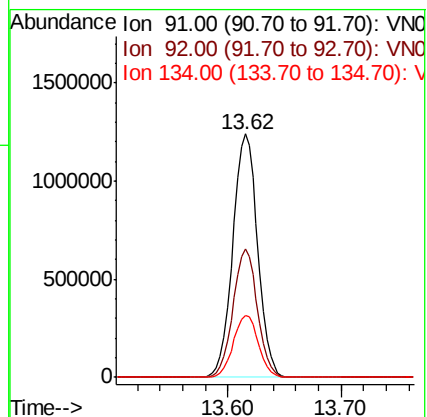
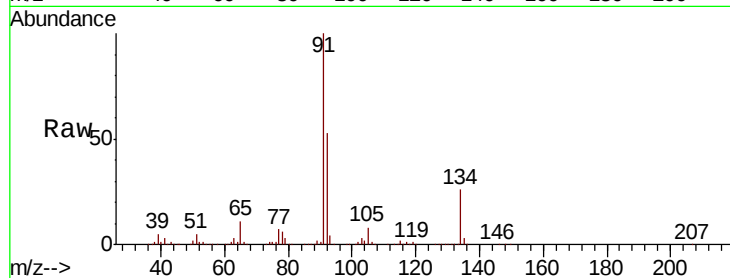
Tot Ion: 91 Resp: 1889293

Ion Ratio Lower Upper

91 100

92 51.8 26.1 78.3

134 25.8 13.0 38.9



#90

Hexachloroethane

Concen: 54.481 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052688.D

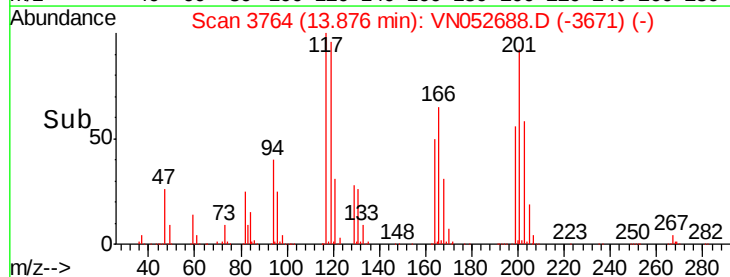
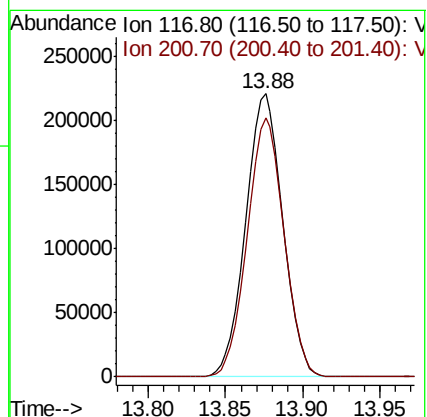
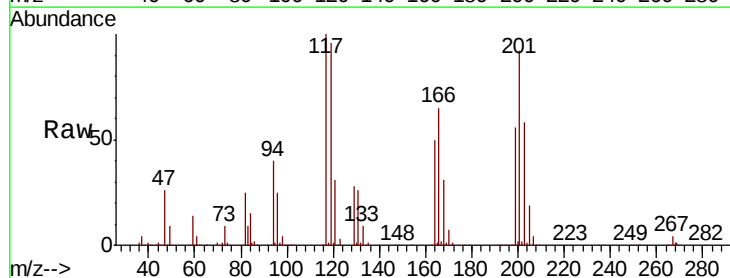
Acq: 6 Dec 2018 9:25

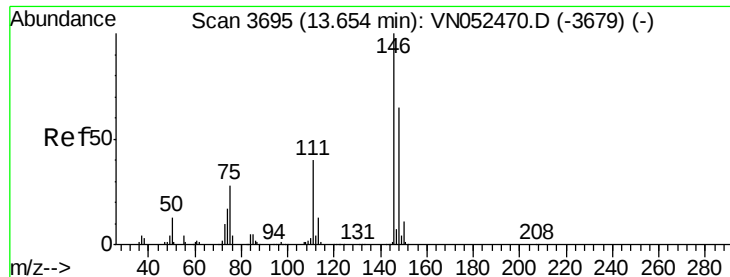
Tgt Ion: 117 Resp: 367860

Ion Ratio Lower Upper

117 100

201 90.8 43.6 130.9

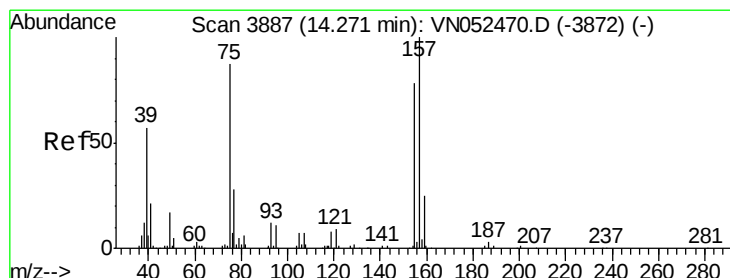
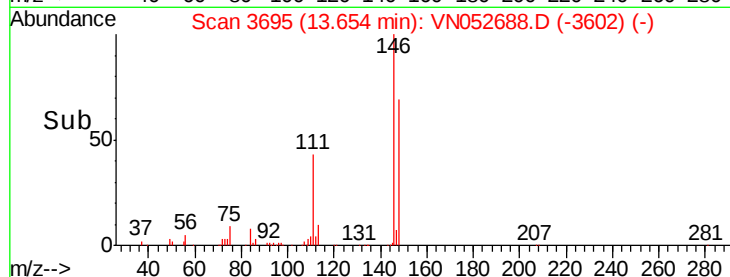
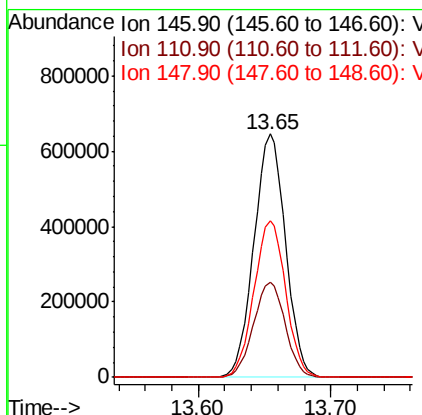
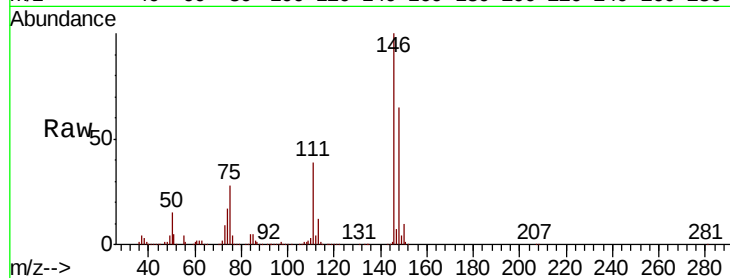




#91
 1,2-Dichlorobenzene
 Concen: 53.471 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

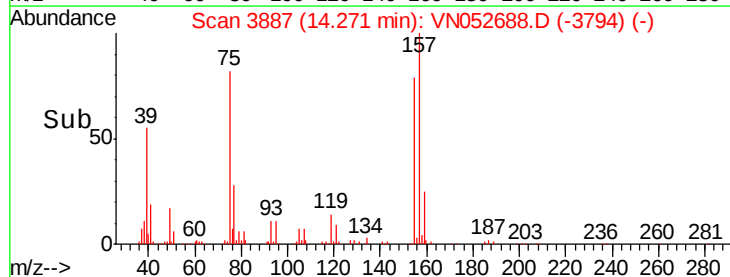
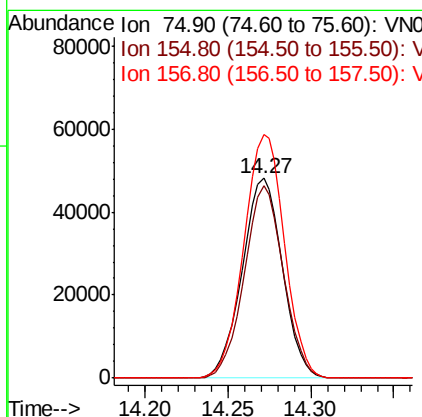
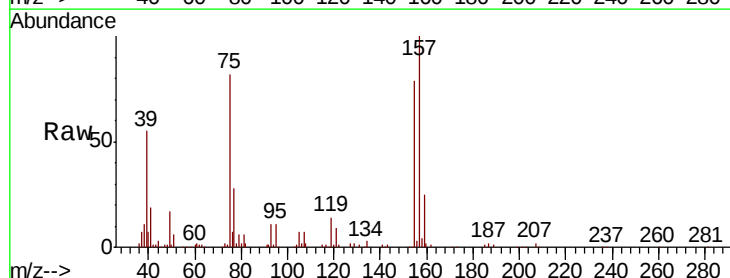
Instrument :
 MSVOA_N
 ClientSampleId :

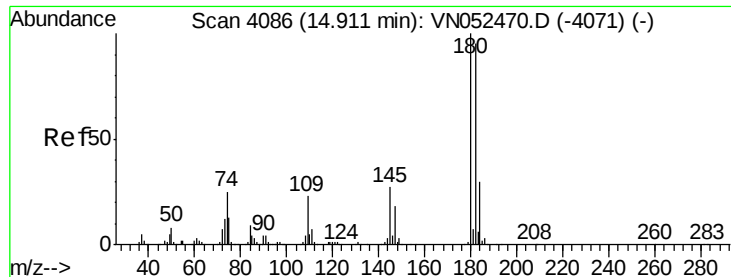
Tot Ion:146 Resp: 1067833
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 60.0
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.807 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 75 Resp: 81487
 Ion Ratio Lower Upper
 75 100
 155 93.5 45.3 135.9
 157 122.5 58.1 174.2

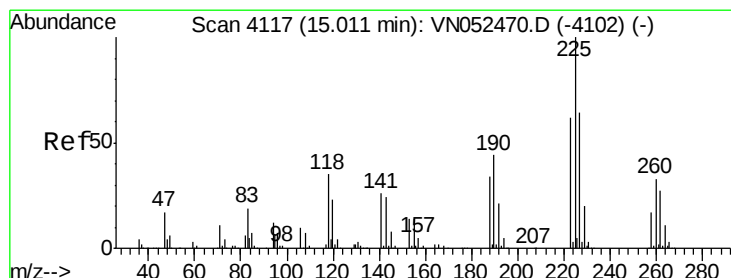
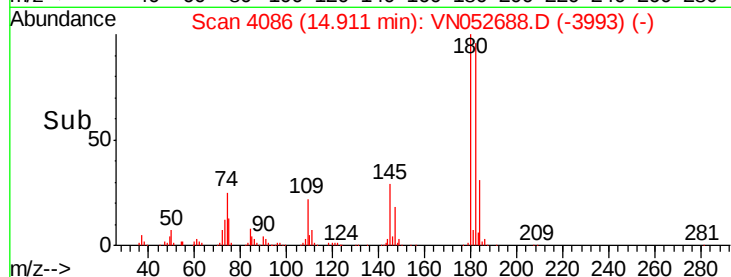
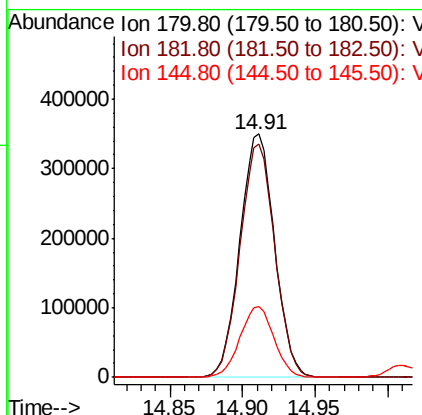
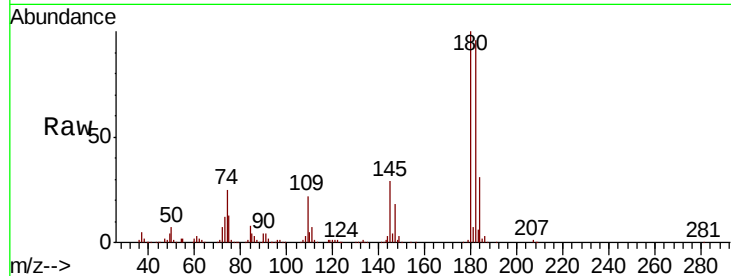




#93
 1,2,4-Trichlorobenzene
 Concen: 53.013 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

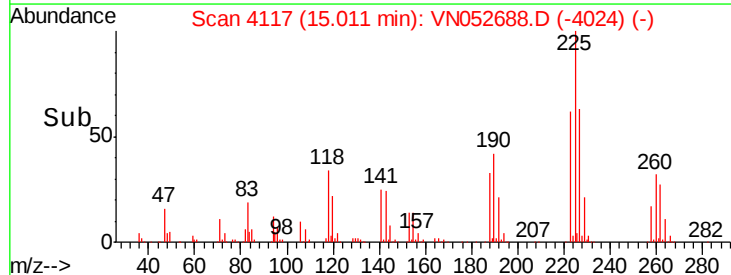
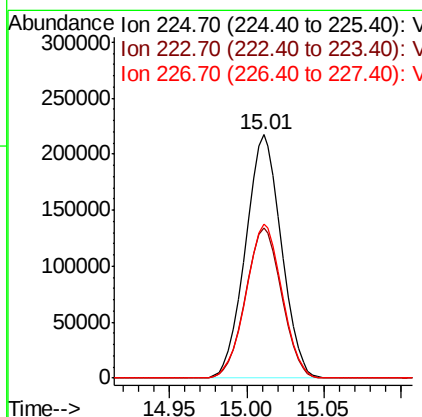
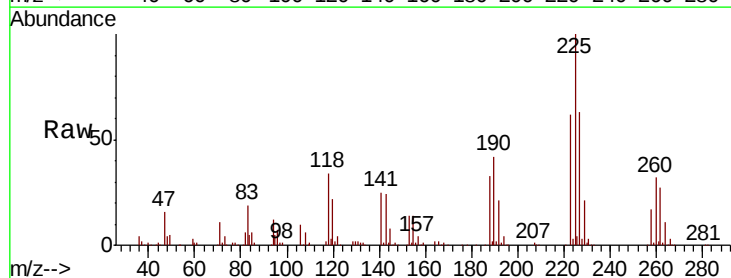
Instrument :
 MSVOA_N
 ClientSampleId :

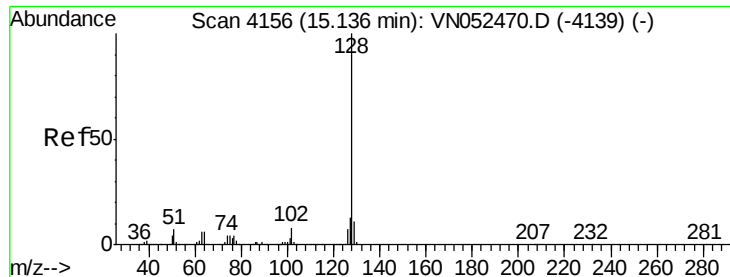
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.4
145	28.5	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 54.483 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	63.9	32.5	97.4





#95

Naphthalene

Concen: 49.091 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

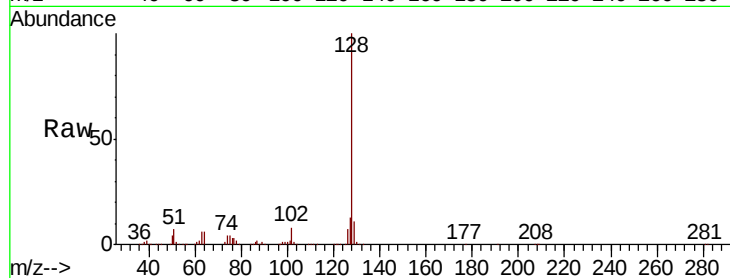
Tot Ion:128 Resp: 1137358

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

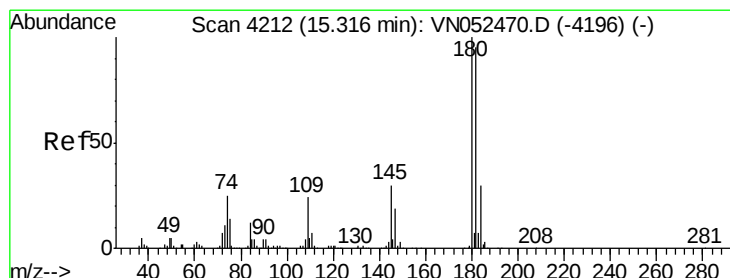
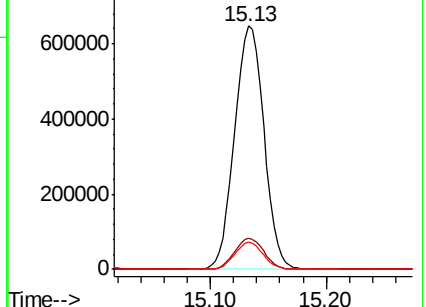
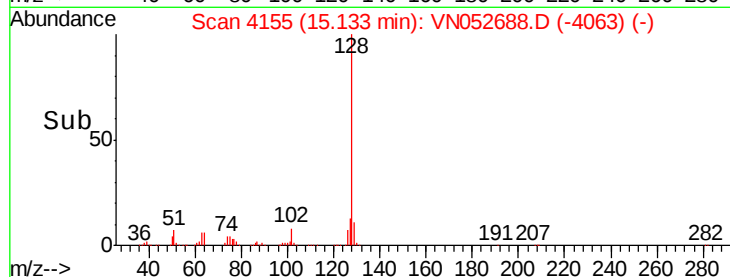
129 10.8 8.7 13.1



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: 53.124 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

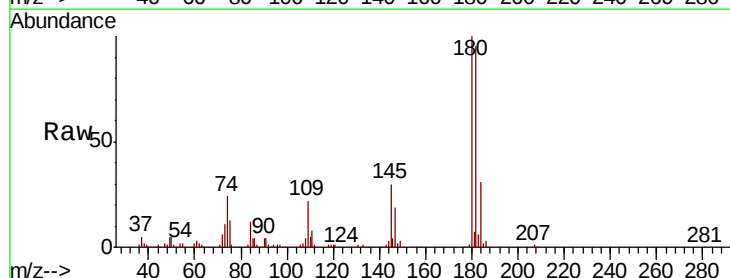
Tgt Ion:180 Resp: 536157

Ion Ratio Lower Upper

180 100

182 93.8 47.8 143.3

145 30.1 15.2 45.5



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

