

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052789.D
 Acq On : 11 Dec 2018 8:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 10:43:50 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	7.67	168	946896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1475970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1320994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	644156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	542721	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	418241	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	10.09	98	1861110	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.40	95	661942	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	350934	39.582	ug/l	98
3) Chloromethane	2.06	50	466982	39.902	ug/l	99
4) Vinyl Chloride	2.19	62	494747	41.153	ug/l	99
5) Bromomethane	2.57	94	274565	36.603	ug/l	98
6) Chloroethane	2.71	64	311081	42.718	ug/l	98
7) Trichlorofluoromethane	3.02	101	662212	44.842	ug/l	98
8) Diethyl Ether	3.41	74	265789	48.738	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	425462	46.172	ug/l	99
10) Methyl Iodide	3.96	142	550957	44.892	ug/l	99
11) Tert butyl alcohol	4.77	59	141419	273.990	ug/l	99
12) 1,1-Dichloroethene	3.74	96	400450	45.147	ug/l	99
13) Acrolein	3.61	56	105631	117.752	ug/l	97
14) Allyl chloride	4.33	41	620815	40.610	ug/l	93
15) Acrylonitrile	4.99	53	820690	251.185	ug/l	99
16) Acetone	3.82	43	550029	202.264	ug/l	99
17) Carbon Disulfide	4.06	76	1030222	36.908	ug/l	100
18) Methyl Acetate	4.32	43	425242	54.516	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1208277	51.199	ug/l	100
20) Methylene Chloride	4.55	84	481971	45.291	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	432955	45.703	ug/l	95
22) Diisopropyl ether	5.95	45	1531905	47.706	ug/l	99
23) Vinyl Acetate	5.90	43	4439870	221.985	ug/l	99
24) 1,1-Dichloroethane	5.85	63	868075	47.346	ug/l	99
25) 2-Butanone	6.83	43	901191	233.808	ug/l	96
26) 2,2-Dichloropropane	6.82	77	440506	34.711	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	521772	47.283	ug/l	96
28) Bromochloromethane	7.20	49	414244	49.466	ug/l	94
29) Tetrahydrofuran	7.21	42	607740	244.458	ug/l	98
30) Chloroform	7.37	83	865767	47.329	ug/l	100
31) Cyclohexane	7.65	56	746629	42.015	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	711479	49.091	ug/l	98
36) 1,1-Dichloropropene	7.79	75	637492	45.738	ug/l	98
37) Ethyl Acetate	6.93	43	406723	47.815	ug/l	99
38) Carbon Tetrachloride	7.78	117	602333	47.738	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	734115	43.333	ug/l	98
40) Benzene	8.04	78	1960429	47.196	ug/l	100
41) Methacrylonitrile	7.17	41	242832	52.217	ug/l	95
42) 1,2-Dichloroethane	8.13	62	609462	48.458	ug/l	99
43) Isopropyl Acetate	8.16	43	795447	55.258	ug/l	97
44) Trichloroethene	8.84	130	528459	49.668	ug/l	99
45) 1,2-Dichloropropane	9.12	63	535808	48.519	ug/l	99
46) Dibromomethane	9.21	93	302433	49.470	ug/l	97
47) Bromodichloromethane	9.40	83	661197	49.745	ug/l	99
48) Methyl methacrylate	9.20	41	379593	50.572	ug/l	98
49) 1,4-Dioxane	9.20	88	83579	1072.903	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2096359	259.557	ug/l	99
52) Toluene	10.16	92	1206582	48.890	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	626543	48.999	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	732852	47.826	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	447660	51.567	ug/l	99
56) Ethyl methacrylate	10.43	69	592872	49.226	ug/l	98
57) 1,3-Dichloropropane	10.71	76	764342	49.865	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1673539	265.674	ug/l	98
59) 2-Hexanone	10.75	43	1414178	260.885	ug/l	98
60) Dibromochloromethane	10.90	129	495884	52.594	ug/l	99
61) 1,2-Dibromoethane	11.01	107	436587	50.635	ug/l	100
64) Tetrachloroethene	10.63	164	578605	56.493	ug/l	98
65) Chlorobenzene	11.43	112	1342743	49.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	486655	51.383	ug/l	100
67) Ethyl Benzene	11.51	91	2341048	49.079	ug/l	100
68) m/p-Xylenes	11.62	106	1760509	99.142	ug/l	99
69) o-Xylene	11.95	106	866867	50.270	ug/l	99
70) Styrene	11.96	104	1441398	52.480	ug/l	99
71) Bromoform	12.13	173	334645	53.364	ug/l #	99
73) Isopropylbenzene	12.25	105	2323922	45.984	ug/l	99
74) N-amyl acetate	12.07	43	667190	52.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	518239	45.079	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	661908	66.636	ug/l #	100
77) Bromobenzene	12.53	156	595539	47.675	ug/l	97
78) n-propylbenzene	12.59	91	2653965	46.226	ug/l	99
79) 2-Chlorotoluene	12.68	91	1557986	45.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1882378	46.702	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131691	44.274	ug/l	98
82) 4-Chlorotoluene	12.77	91	1612723	46.803	ug/l	99
83) tert-Butylbenzene	12.99	119	1670721	46.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1921891	47.579	ug/l	100
85) sec-Butylbenzene	13.17	105	2259428	46.166	ug/l	99
86) p-Isopropyltoluene	13.29	119	1963771	47.109	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1057910	48.416	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1042467	48.435	ug/l	100
89) n-Butylbenzene	13.62	91	1664679	48.018	ug/l	100
90) Hexachloroethane	13.88	117	324541	45.980	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1021264	48.921	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82022	49.885	ug/l	95

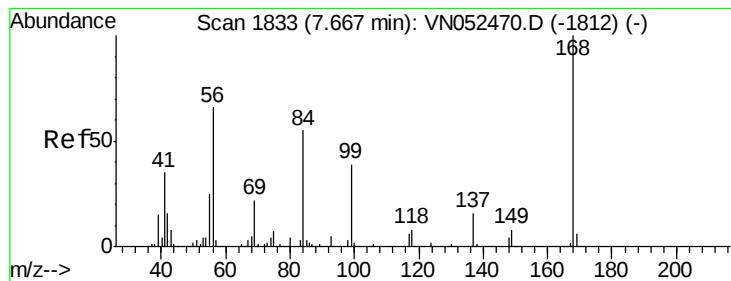
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	568237	49.706	ug/l	100
94) Hexachlorobutadiene	15.01	225	303706	45.222	ug/l	99
95) Naphthalene	15.13	128	1207666	49.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	524316	49.873	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

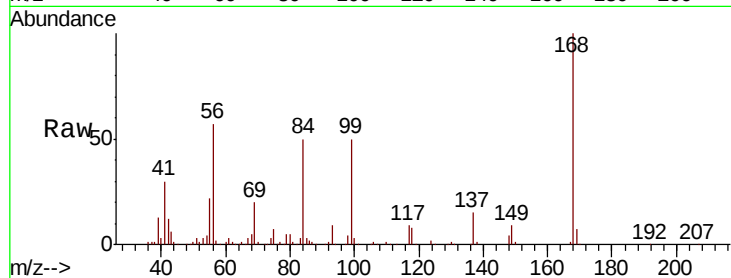
ClientSampled :

Tot Ion:168 Resp: 946896

Ion Ratio Lower Upper

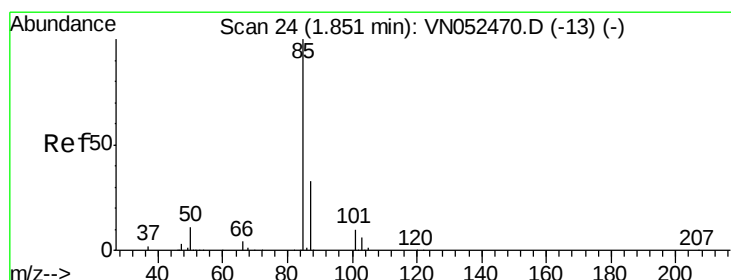
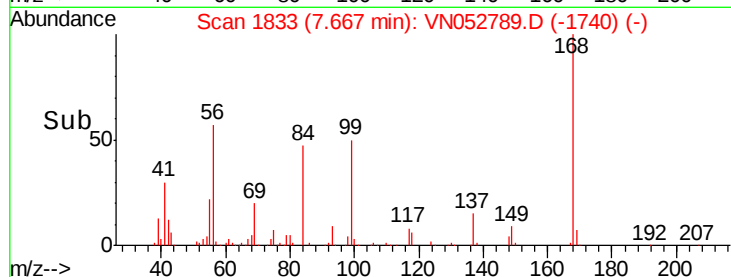
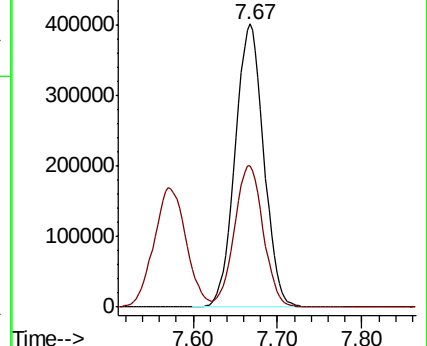
168 100

99 50.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 39.582 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052789.D

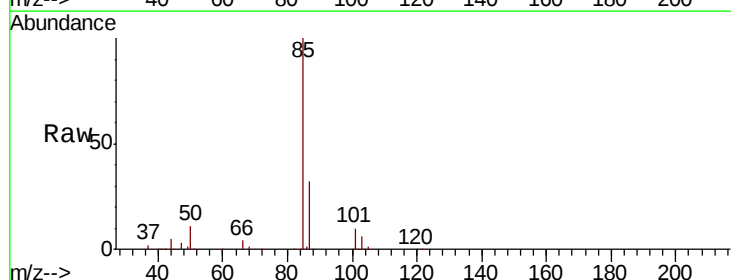
Acq: 11 Dec 2018 8:31

Tgt Ion: 85 Resp: 350934

Ion Ratio Lower Upper

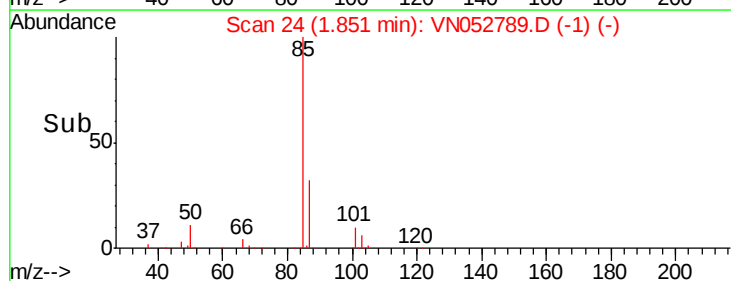
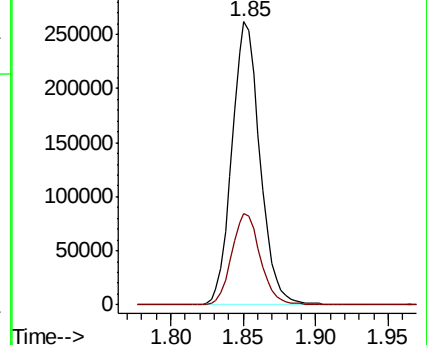
85 100

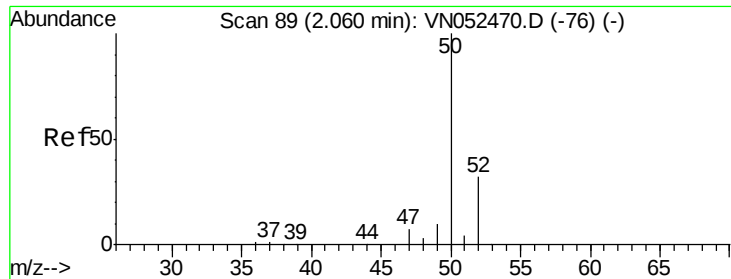
87 32.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

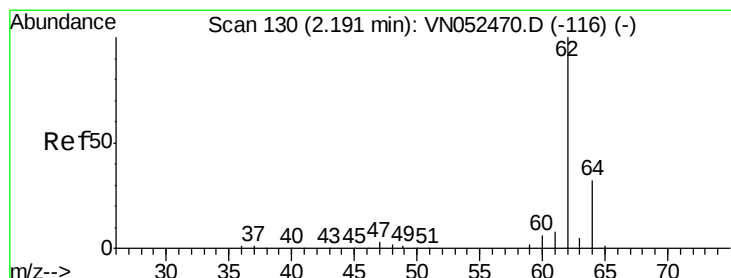
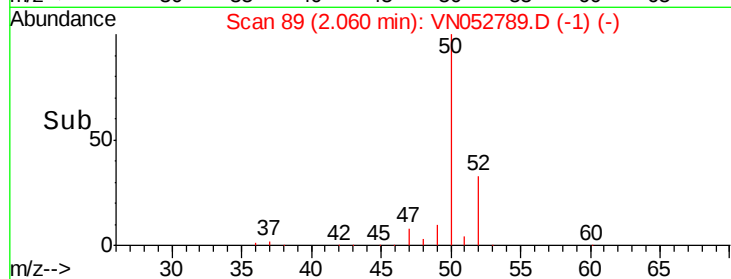
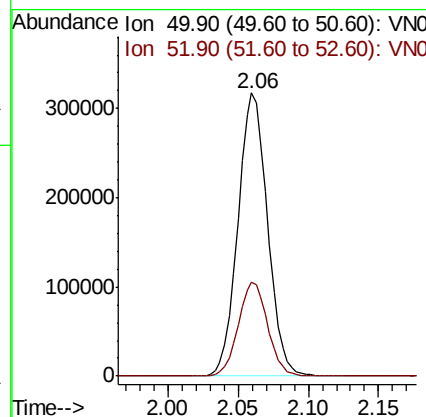
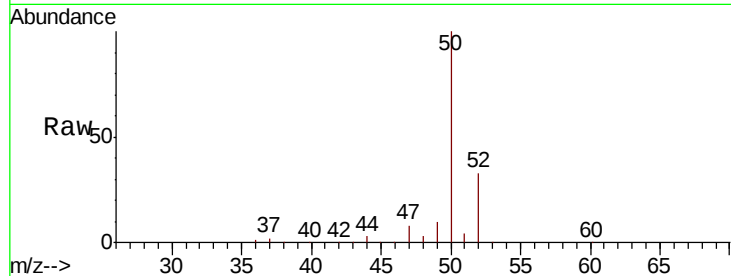




#3
Chloromethane
Concen: 39.902 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

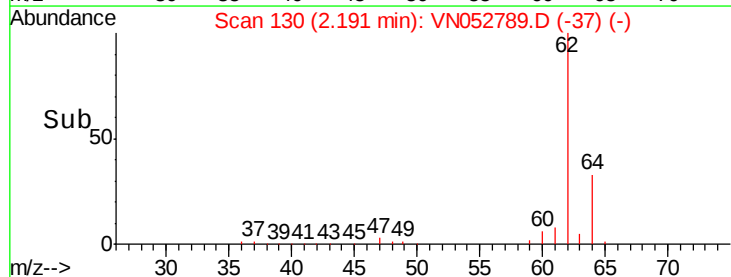
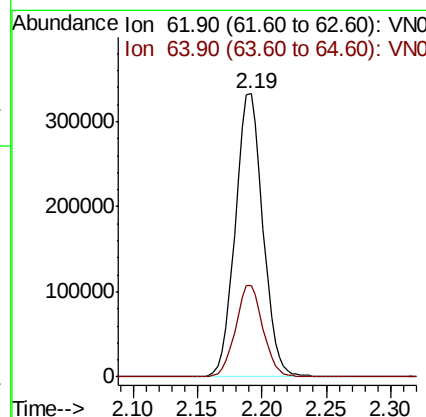
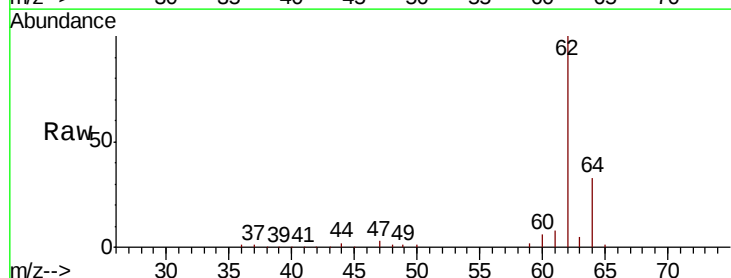
Instrument :
MSVOA_N
ClientSampled :

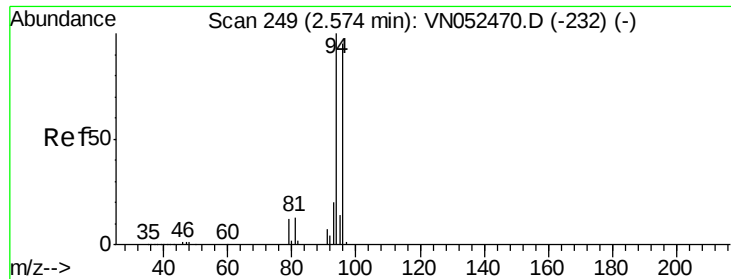
Tot Ion: 50 Resp: 466982
Ion Ratio Lower Upper
50 100
52 33.2 25.9 38.9



#4
Vinyl Chloride
Concen: 41.153 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 62 Resp: 494747
Ion Ratio Lower Upper
62 100
64 32.5 25.4 38.2





#5

Bromomethane

Concen: 36.603 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

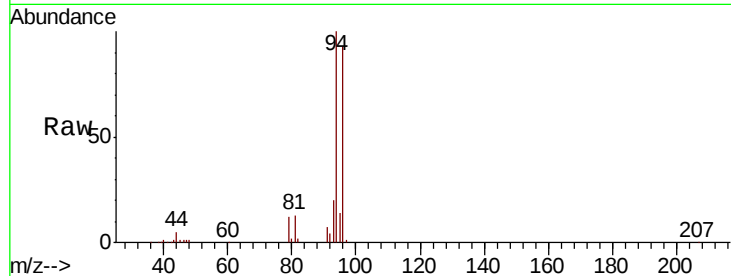
ClientSampleId :

Tot Ion: 94 Resp: 274565

Ion Ratio Lower Upper

94 100

96 93.0 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

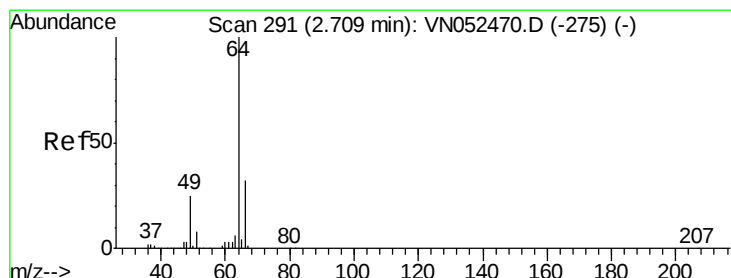
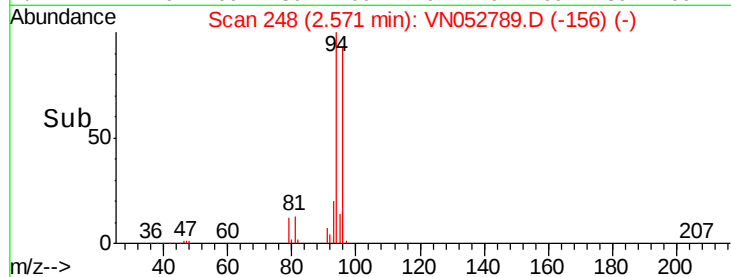
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 42.718 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052789.D

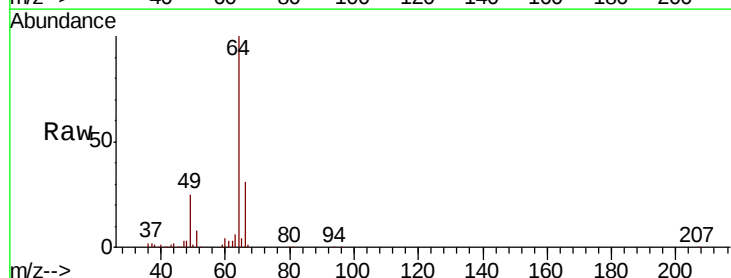
Acq: 11 Dec 2018 8:31

Tgt Ion: 64 Resp: 311081

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

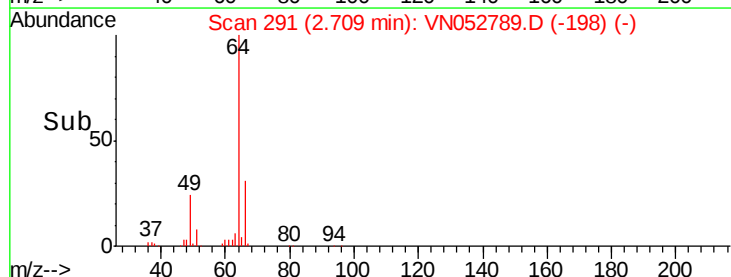
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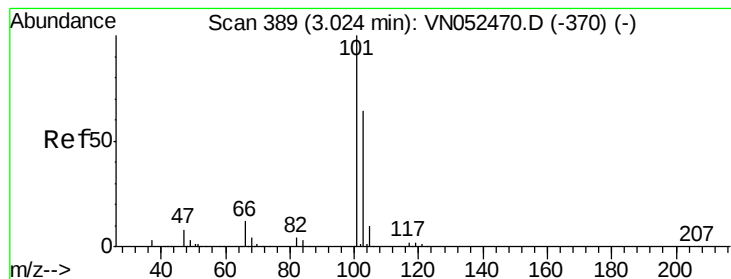
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Time-->



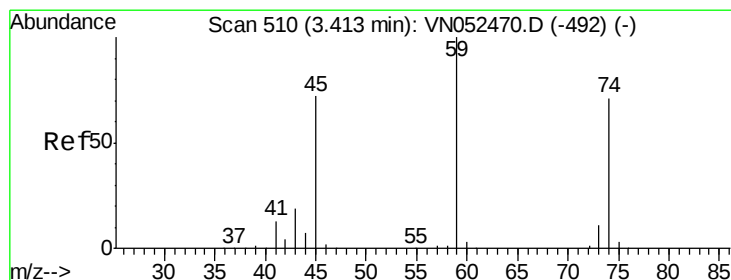
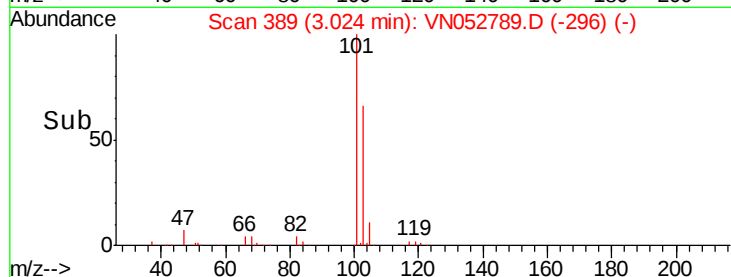
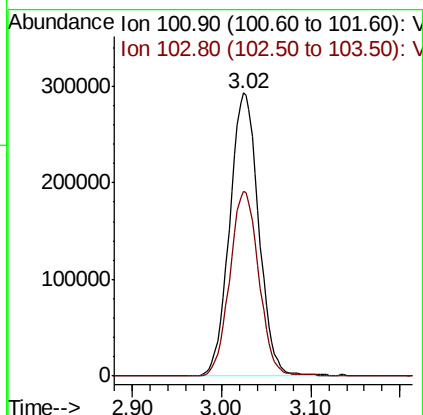
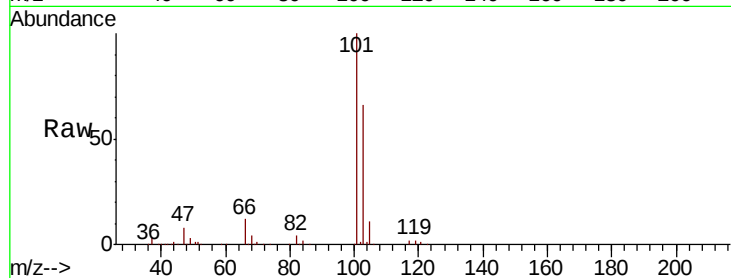


#7

Trichlorofluoromethane
Concen: 44.842 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

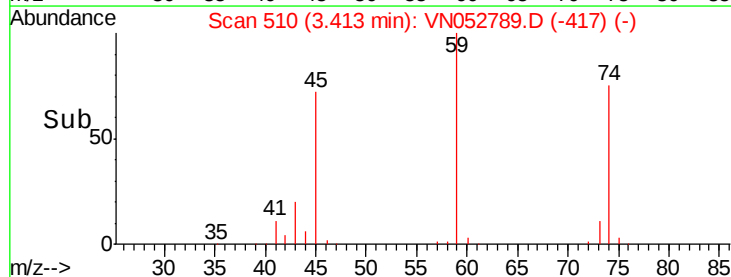
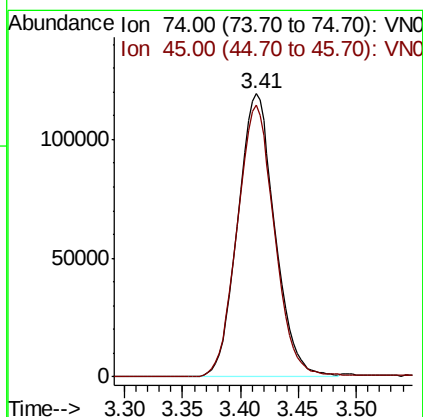
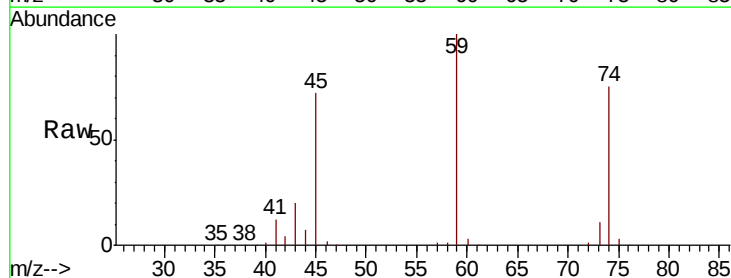
Tot Ion:101 Resp: 662212
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2



#8

Diethyl Ether
Concen: 48.738 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 74 Resp: 265789
Ion Ratio Lower Upper
74 100
45 96.7 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.172 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

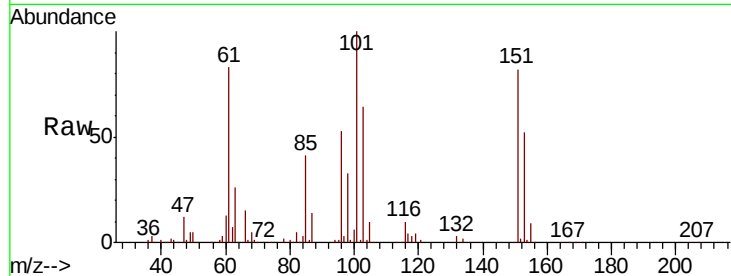
Tot Ion:101 Resp: 425462

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.4

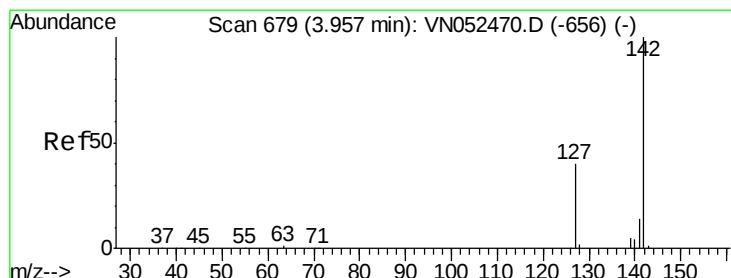
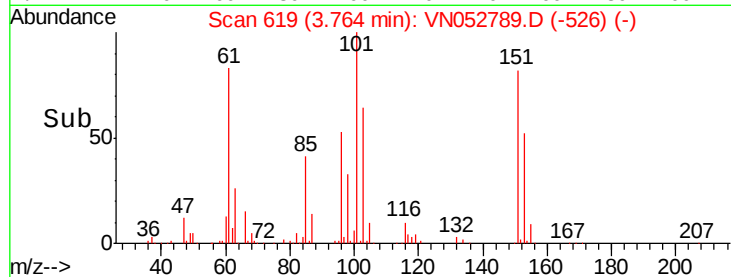
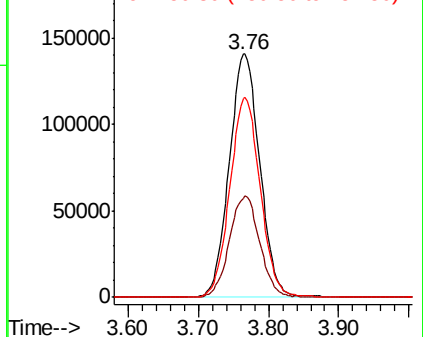
151 81.8 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.892 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

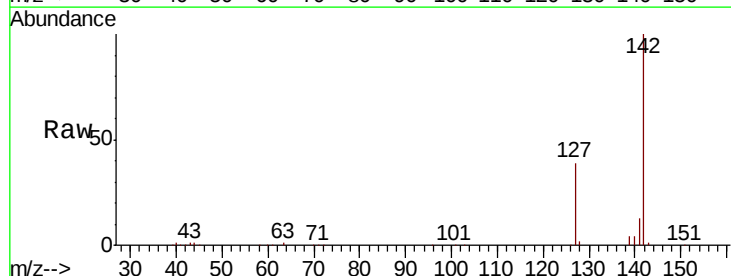
Tgt Ion:142 Resp: 550957

Ion Ratio Lower Upper

142 100

127 39.4 31.8 47.6

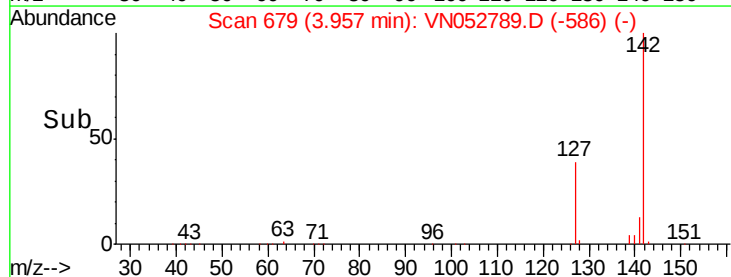
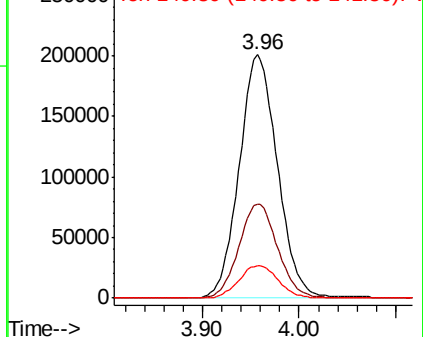
141 13.8 11.4 17.0

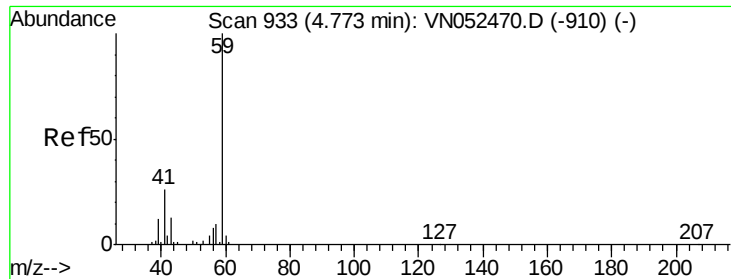


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



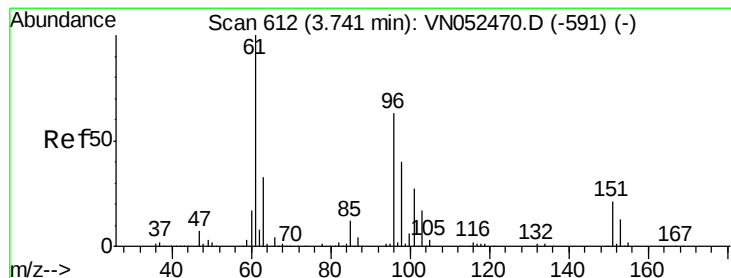
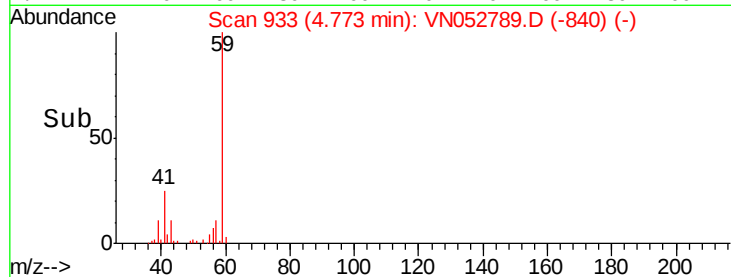
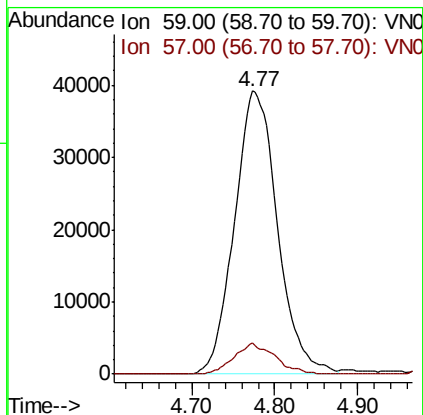
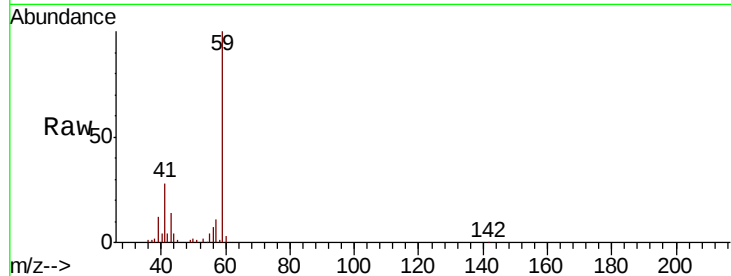


#11

Tert butyl alcohol
 Concen: 273.990 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

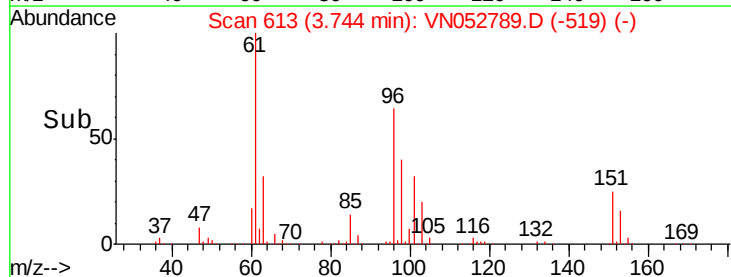
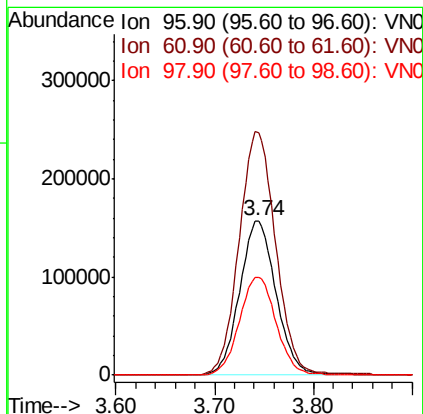
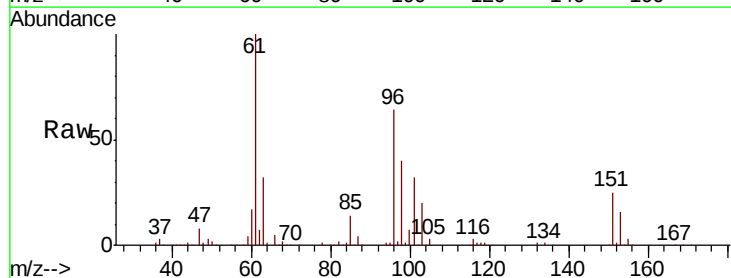
Tot Ion: 59 Resp: 141419
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.9 11.9

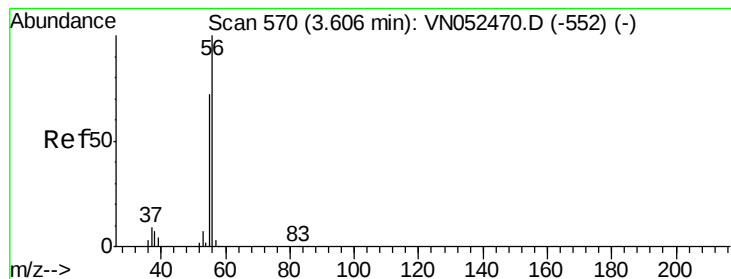


#12

1,1-Dichloroethene
 Concen: 45.147 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 96 Resp: 400450
 Ion Ratio Lower Upper
 96 100
 61 157.1 127.0 190.6
 98 63.5 50.3 75.5





#13

Acrolein

Concen: 117.752 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

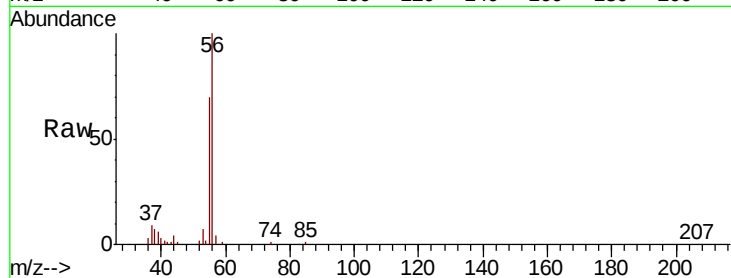
ClientSampleId :

Tot Ion: 56 Resp: 105631

Ion Ratio Lower Upper

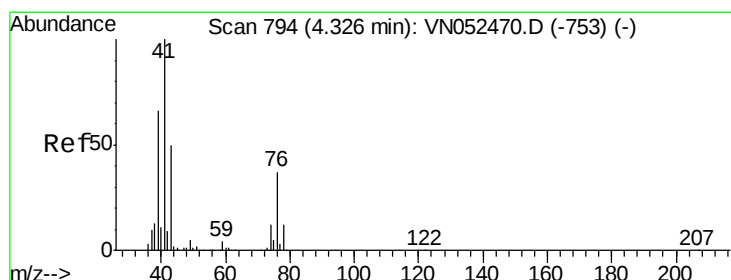
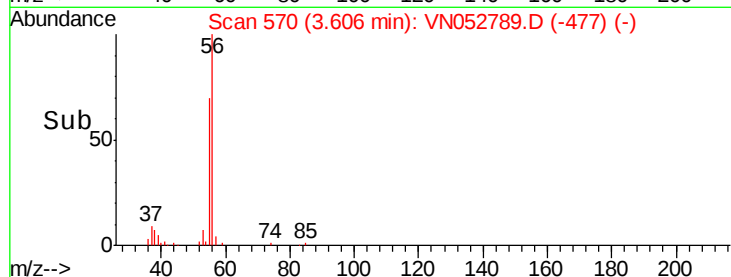
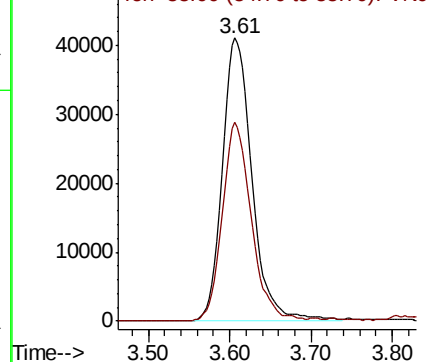
56 100

55 68.8 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 40.610 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

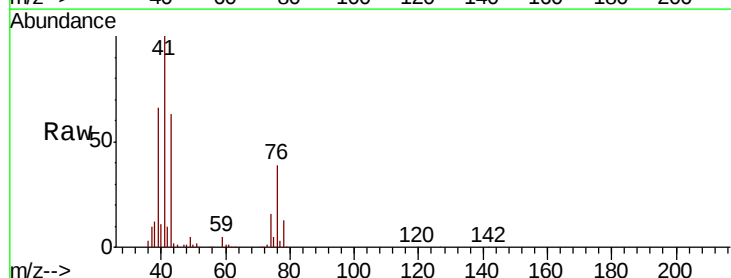
Tgt Ion: 41 Resp: 620815

Ion Ratio Lower Upper

41 100

39 68.5 50.6 76.0

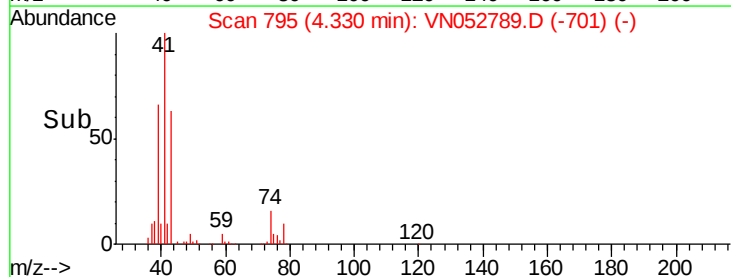
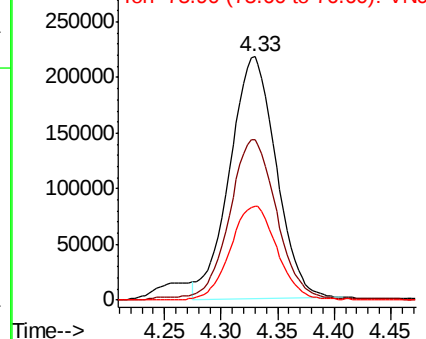
76 38.6 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.185 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

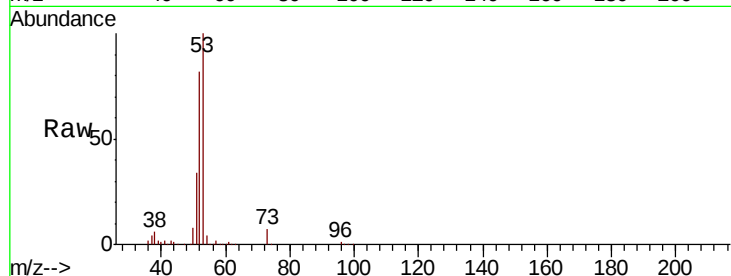
Tot Ion: 53 Resp: 820690

Ion Ratio Lower Upper

53 100

52 81.5 66.2 99.2

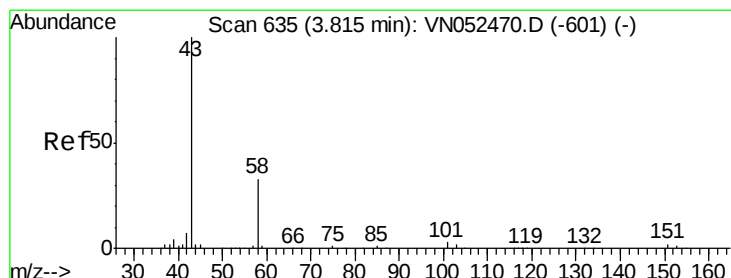
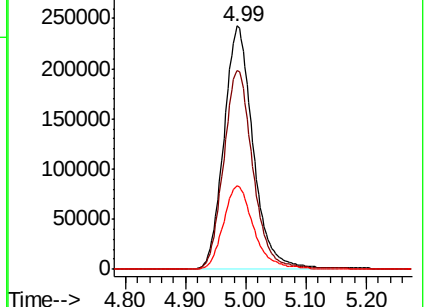
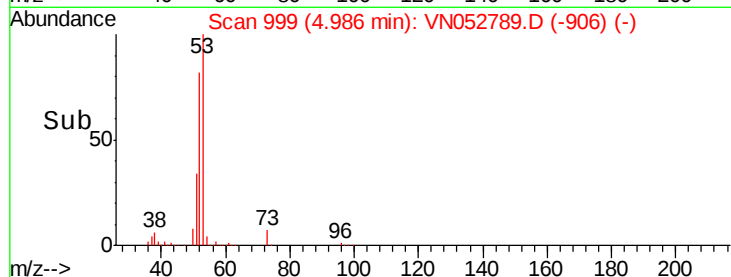
51 35.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052789.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN052789.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN052789.D (-906) (-)



#16

Acetone

Concen: 202.264 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052789.D

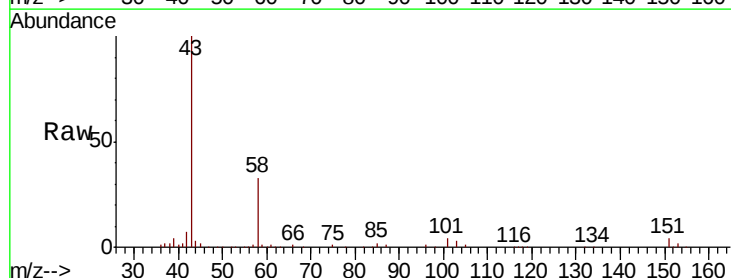
Acq: 11 Dec 2018 8:31

Tgt Ion: 43 Resp: 550029

Ion Ratio Lower Upper

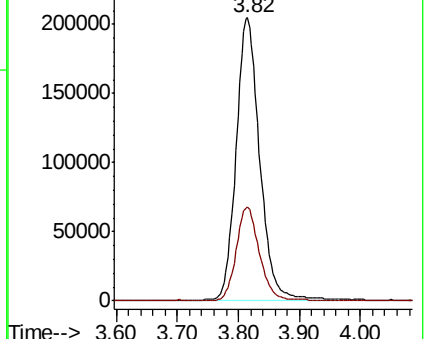
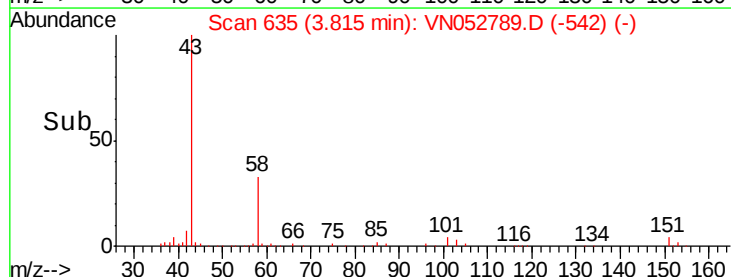
43 100

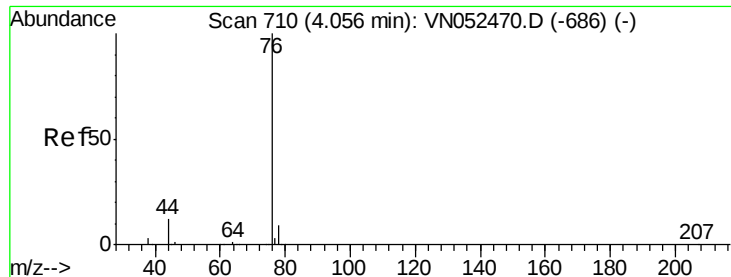
58 33.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052789.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052789.D (-542) (-)





#17

Carbon Disulfide

Concen: 36.908 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

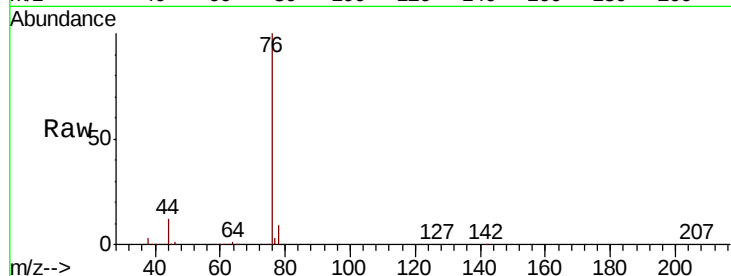
ClientSampleId :

Tot Ion: 76 Resp: 1030222

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

400000

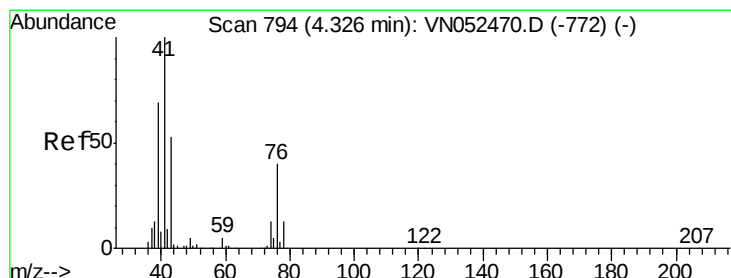
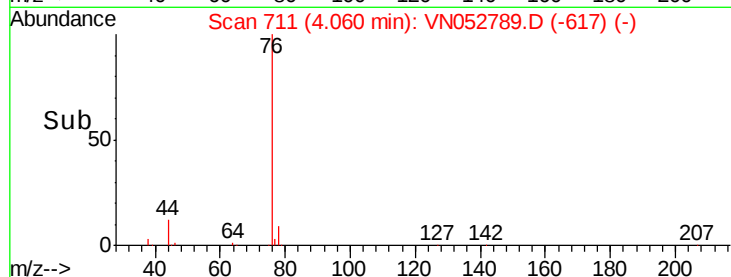
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 54.516 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052789.D

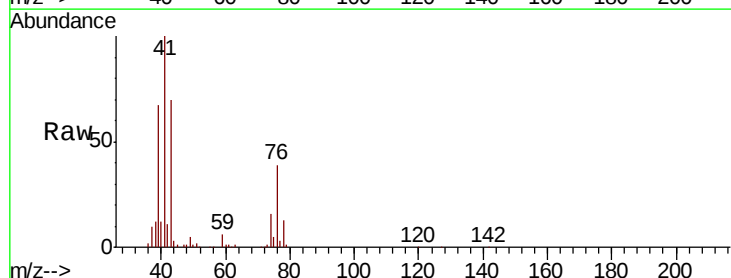
Acq: 11 Dec 2018 8:31

Tgt Ion: 43 Resp: 425242

Ion Ratio Lower Upper

43 100

74 23.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

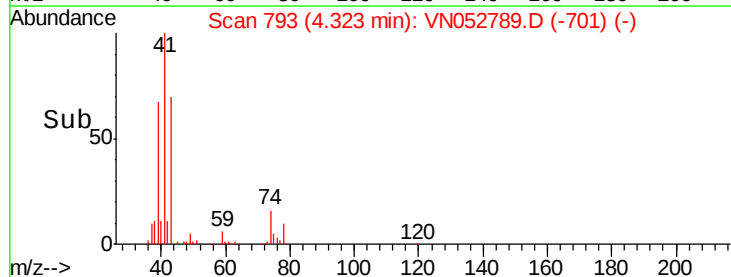
150000

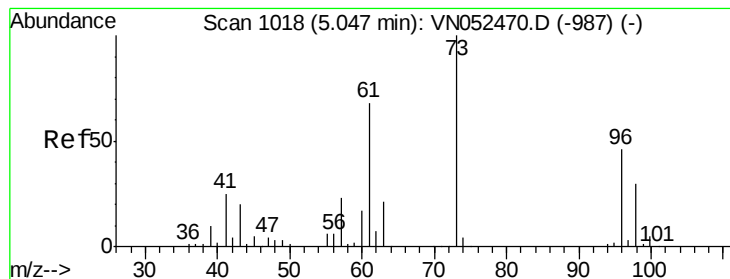
100000

50000

0

Time--> 4.20 4.30 4.40 4.50



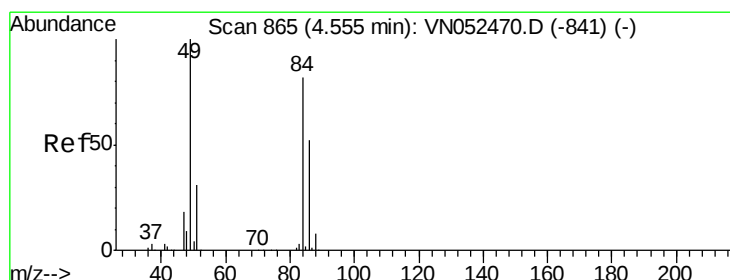
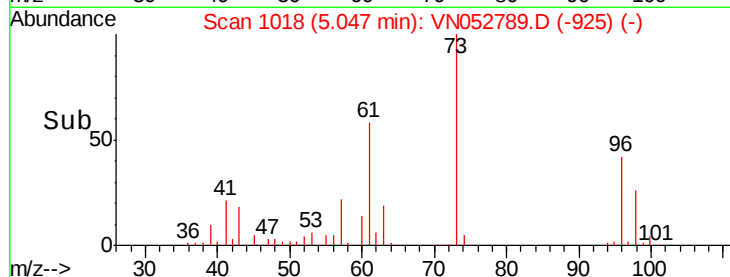
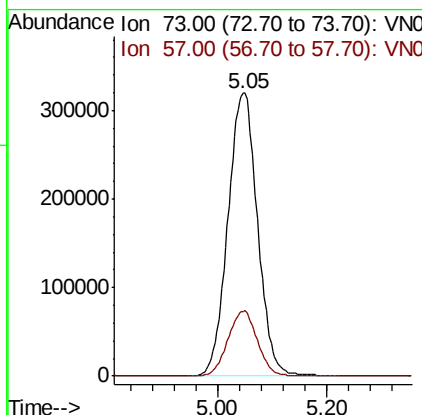
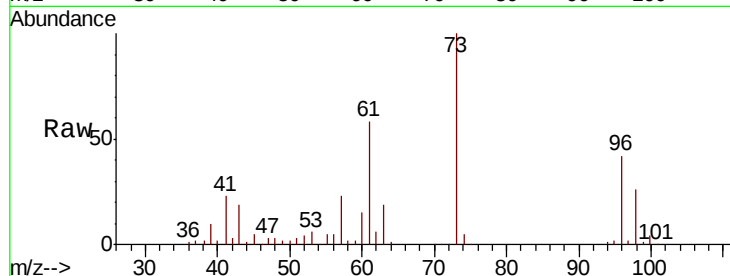


#19

Methyl tert-butyl Ether
 Concen: 51.199 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

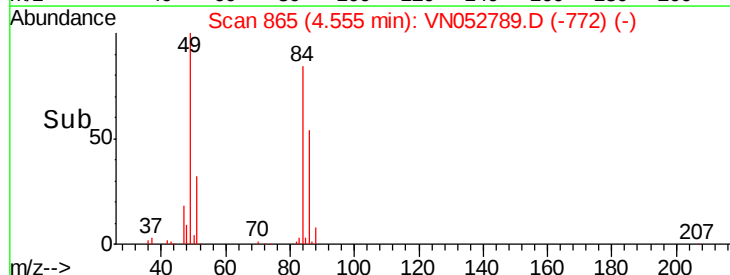
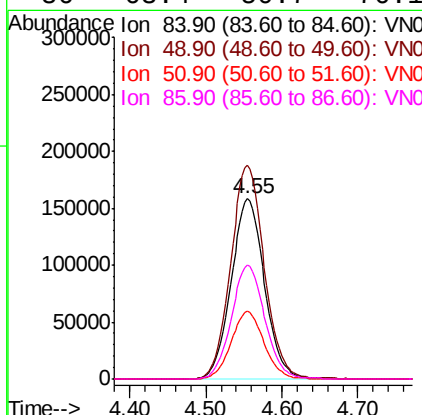
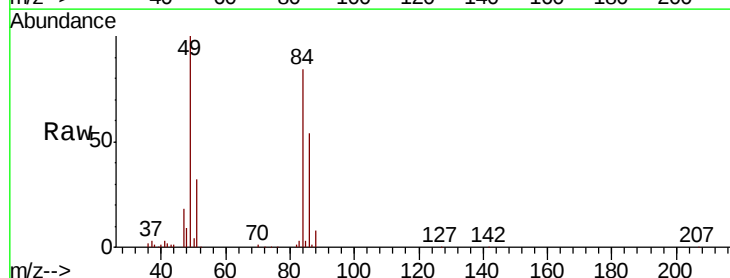
Tot Ion: 73 Resp: 1208277
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.2 27.2

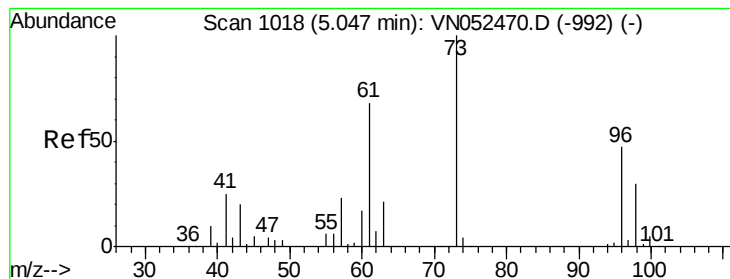


#20

Methylene Chloride
 Concen: 45.291 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 84 Resp: 481971
 Ion Ratio Lower Upper
 84 100
 49 118.5 98.0 147.0
 51 37.7 30.1 45.1
 86 63.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 45.703 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

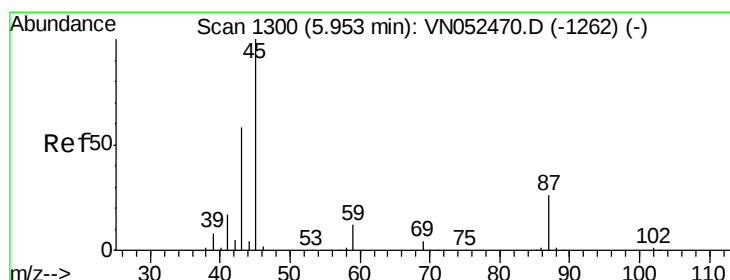
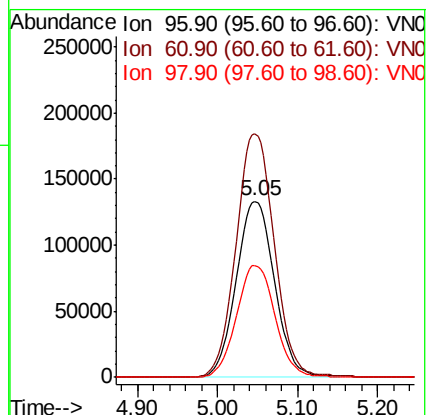
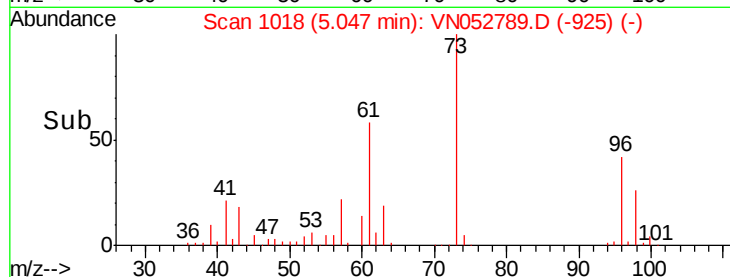
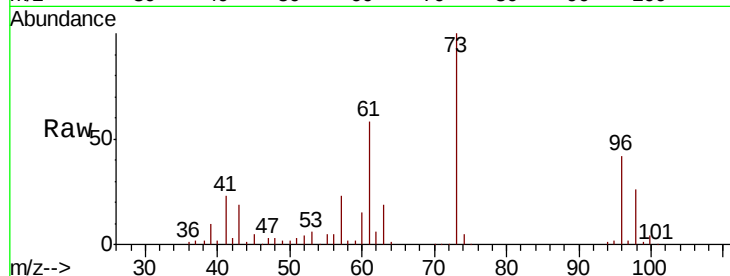
Tot Ion: 96 Resp: 432955

Ion Ratio Lower Upper

96 100

61 138.4 117.0 175.4

98 63.5 51.8 77.6



#22

Diisopropyl ether

Concen: 47.706 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Tgt Ion: 45 Resp: 1531905

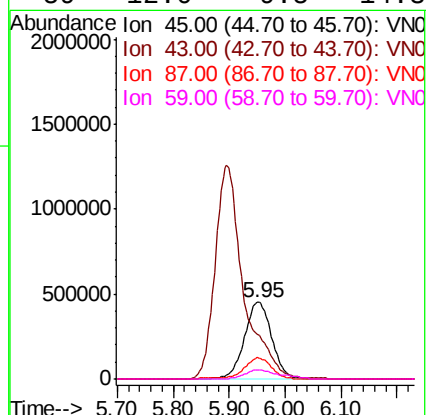
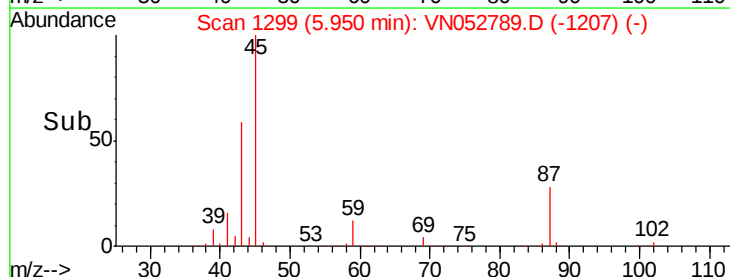
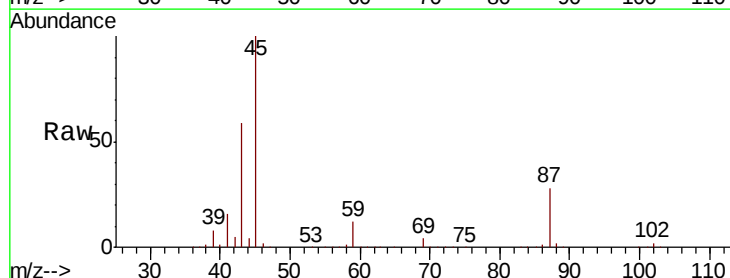
Ion Ratio Lower Upper

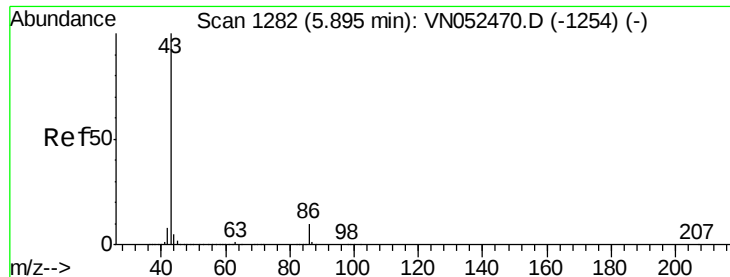
45 100

43 58.2 46.1 69.1

87 27.6 21.3 31.9

59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 221.985 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

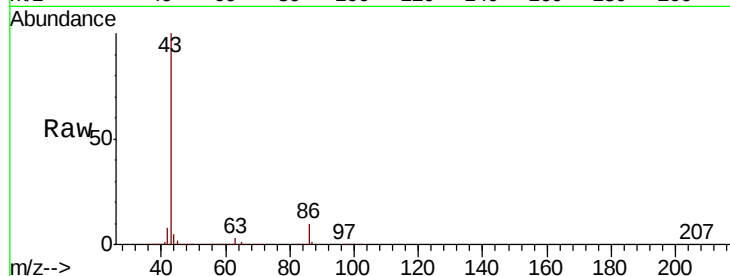
ClientSampled :

Tot Ion: 43 Resp: 4439870

Ion Ratio Lower Upper

43 100

86 10.2 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) (-)

5.90

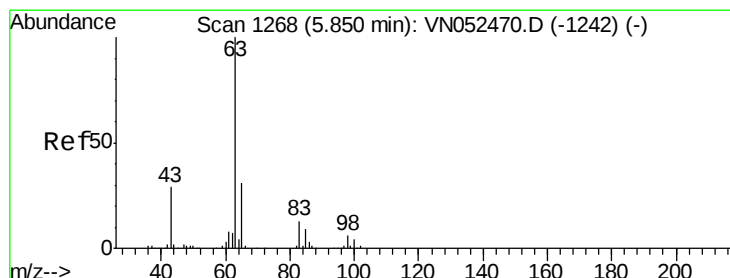
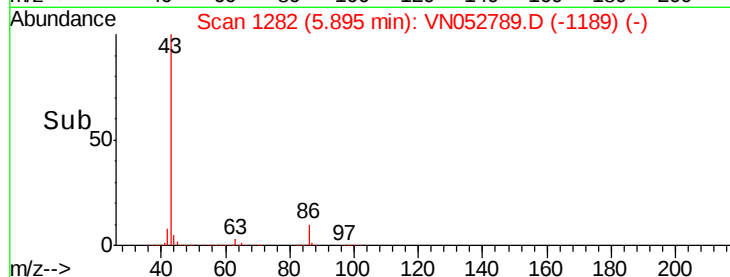
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.346 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

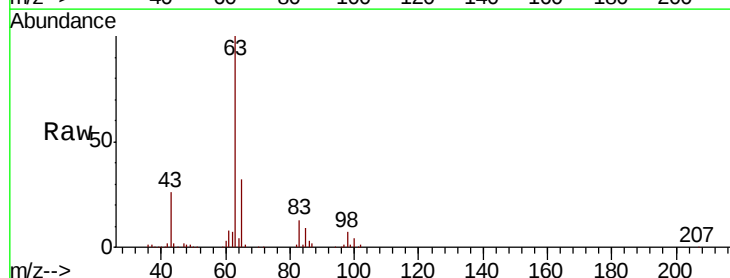
Tgt Ion: 63 Resp: 868075

Ion Ratio Lower Upper

63 100

98 6.5 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) (-)

5.85

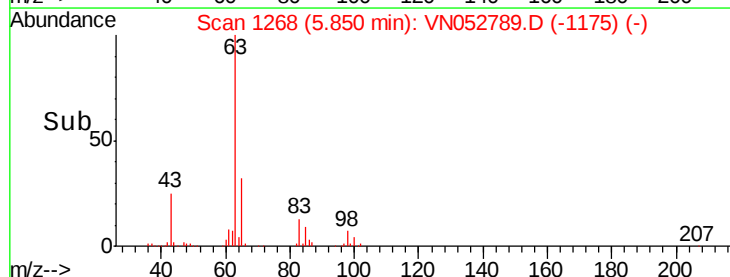
300000

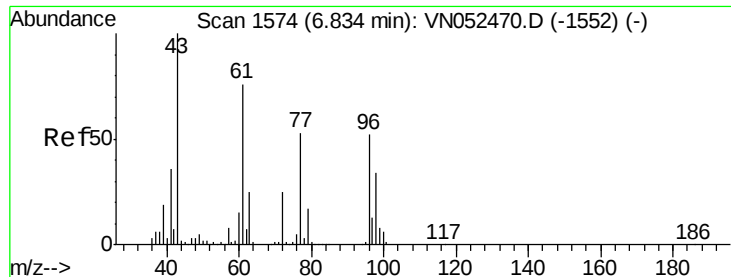
200000

100000

0

Time-->

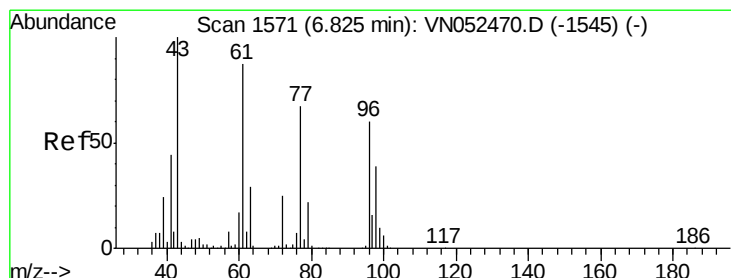
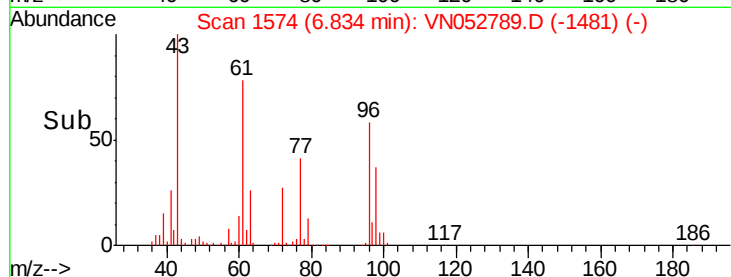
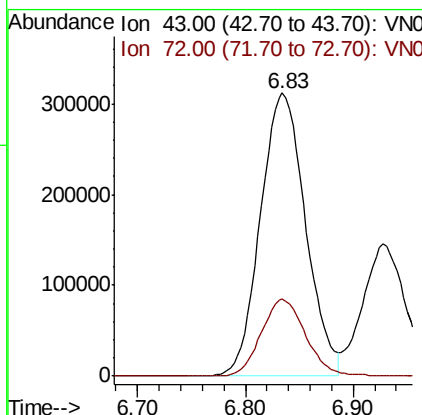
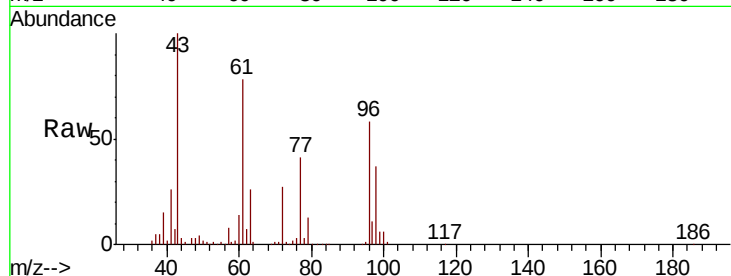




#25
 2-Butanone
 Concen: 233.808 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

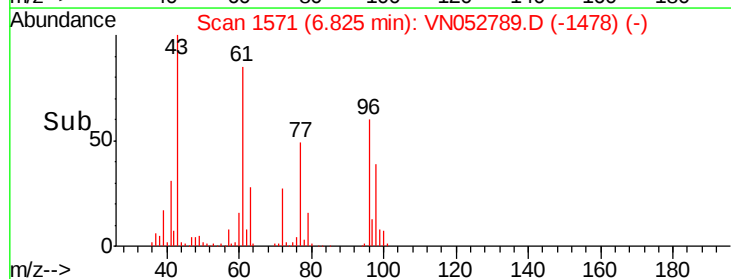
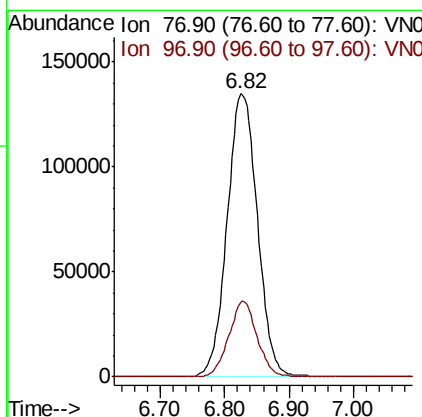
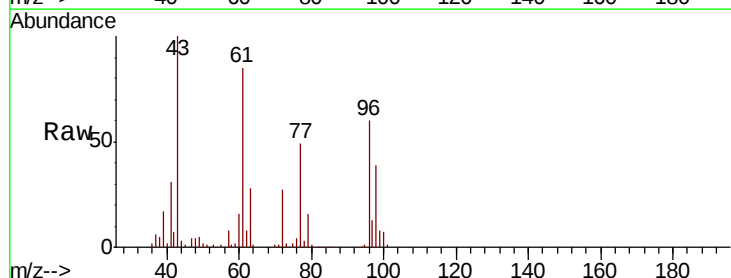
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 901191
 Ion Ratio Lower Upper
 43 100
 72 27.2 20.1 30.1



#26
 2,2-Dichloropropane
 Concen: 34.711 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 77 Resp: 440506
 Ion Ratio Lower Upper
 77 100
 97 25.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.283 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

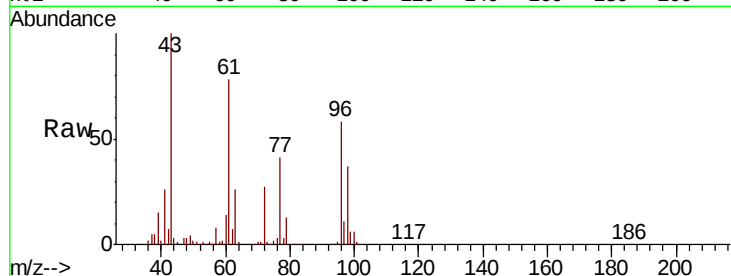
Tot Ion: 96 Resp: 521772

Ion Ratio Lower Upper

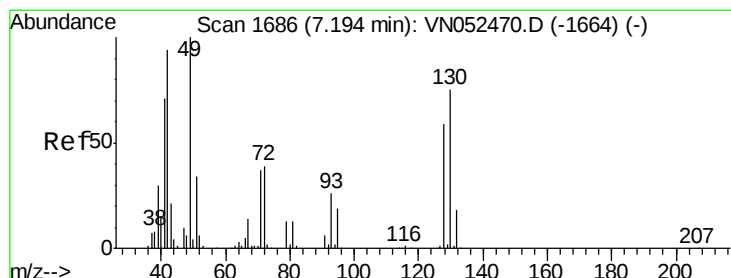
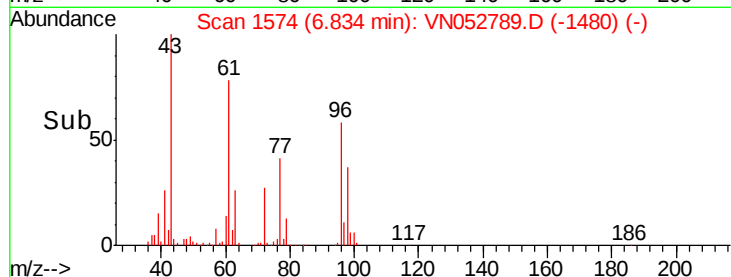
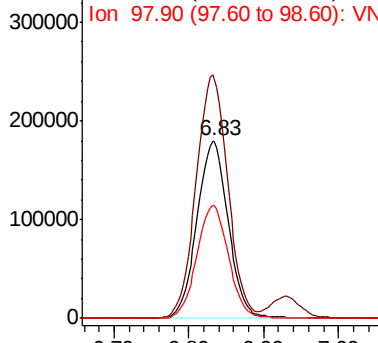
96 100

61 138.9 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: 49.466 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

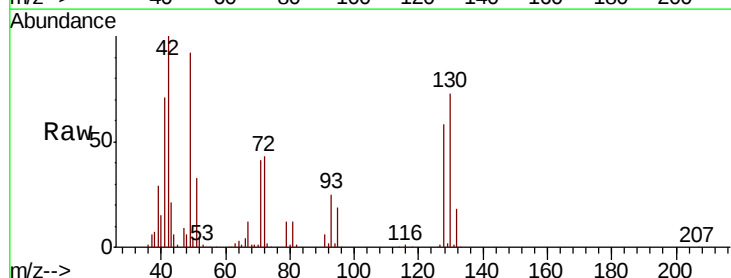
Tgt Ion: 49 Resp: 414244

Ion Ratio Lower Upper

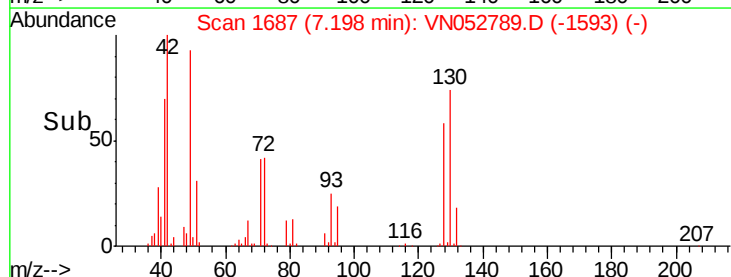
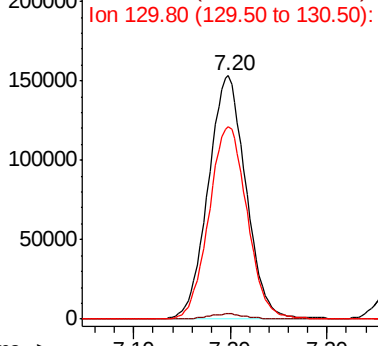
49 100

129 2.1 0.0 3.8

130 80.2 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

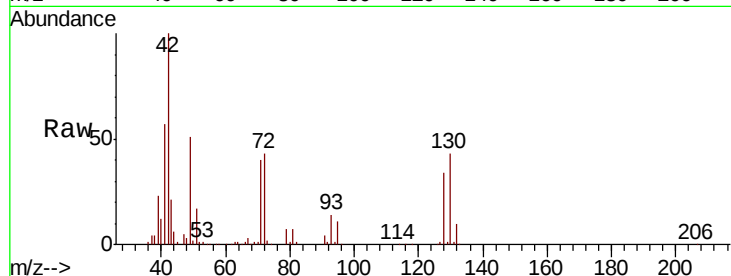




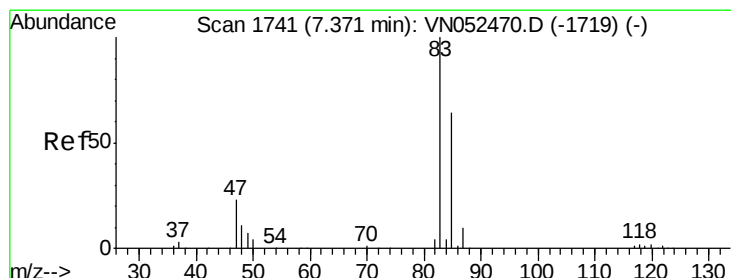
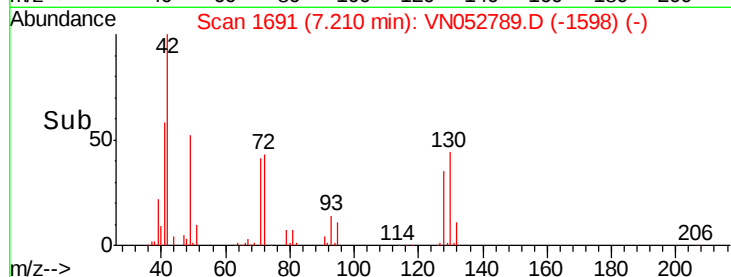
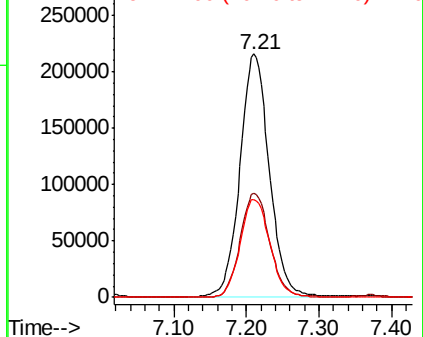
#29
Tetrahydrofuran
Concen: 244.458 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 607740
Ion Ratio Lower Upper
42 100
72 43.3 33.3 49.9
71 40.9 32.0 48.0

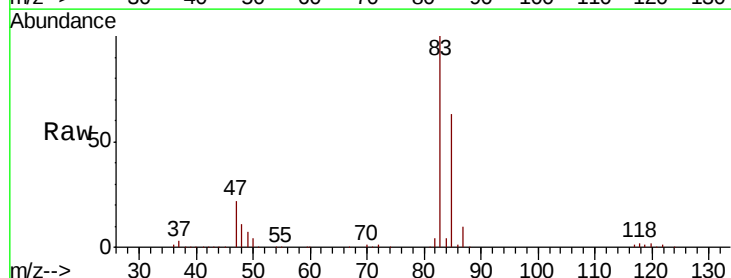


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

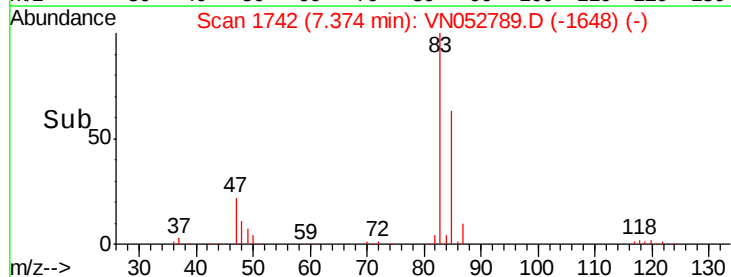
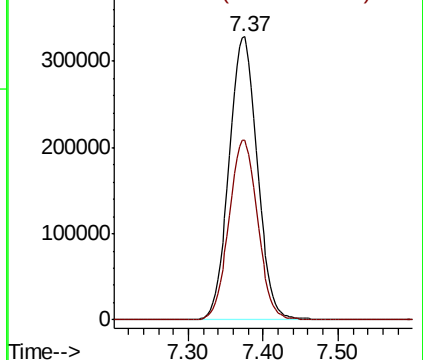


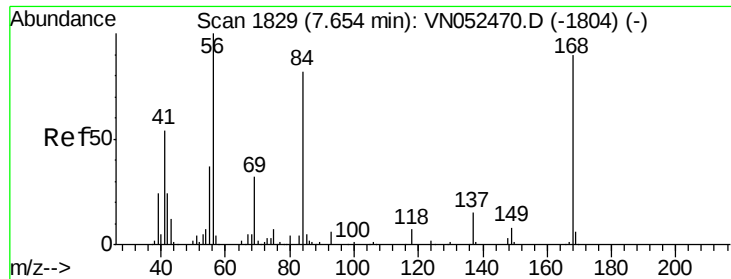
#30
Chloroform
Concen: 47.329 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 83 Resp: 865767
Ion Ratio Lower Upper
83 100
85 63.5 51.0 76.4



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

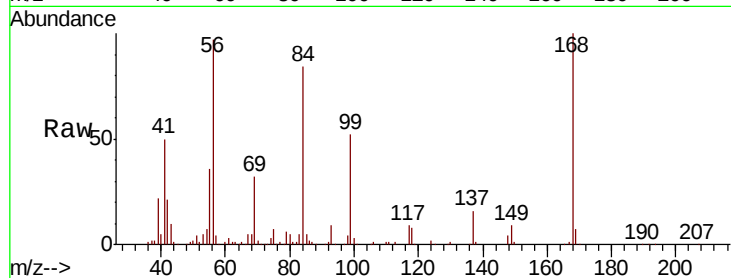




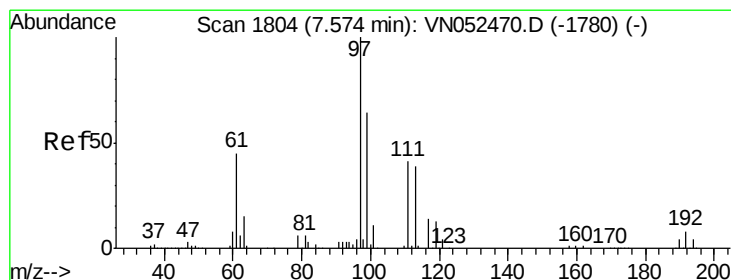
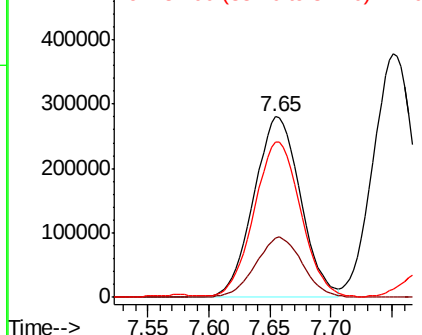
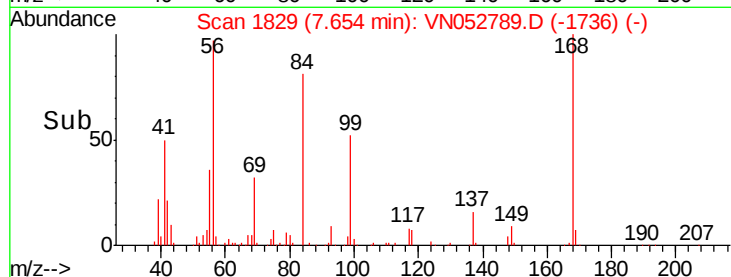
#31
Cyclohexane
Concen: 42.015 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 746629
Ion Ratio Lower Upper
56 100
69 33.0 25.8 38.6
84 85.2 65.3 97.9

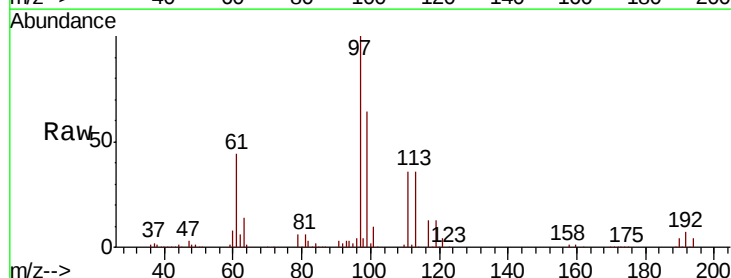


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

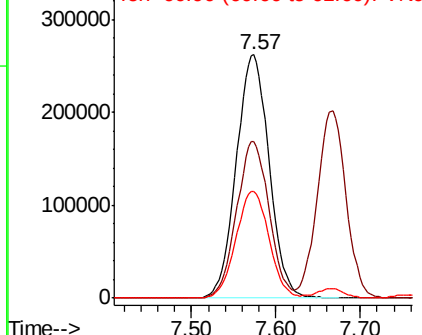
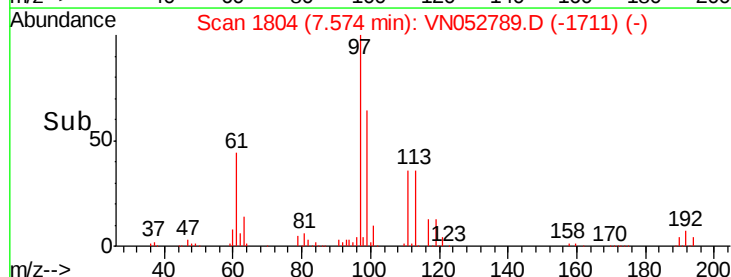


#32
1,1,1-Trichloroethane
Concen: 49.091 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 97 Resp: 711479
Ion Ratio Lower Upper
97 100
99 63.7 51.7 77.5
61 44.3 36.8 55.2



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

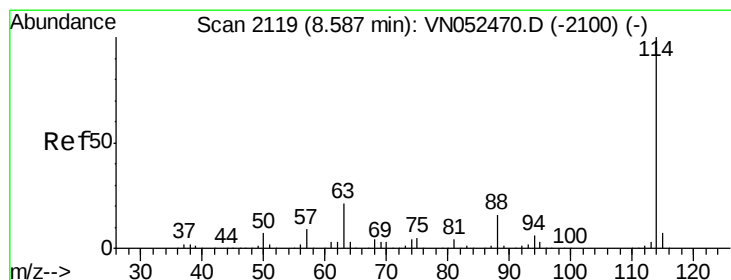
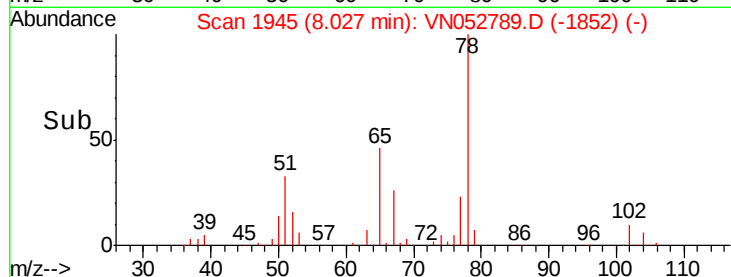
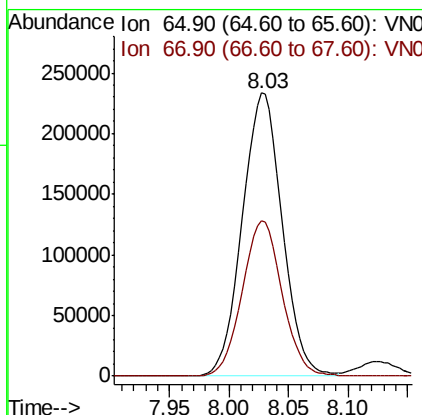
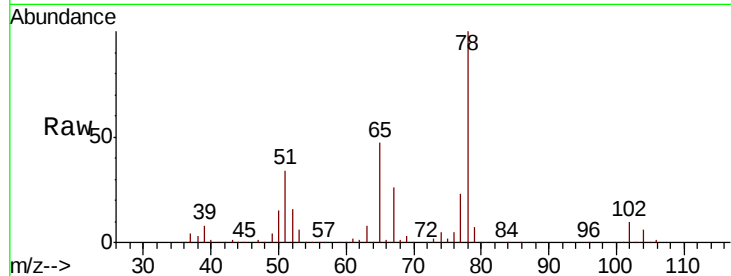




#33
 1,2-Dichloroethane-d4
 Concen: 49.091 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

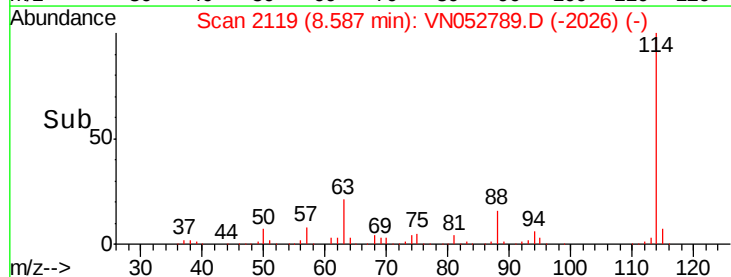
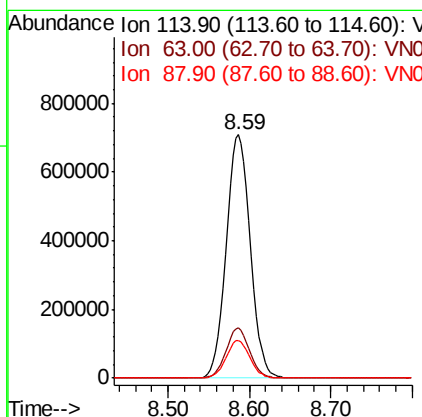
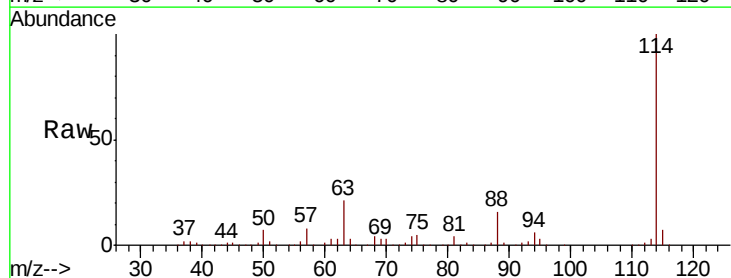
Instrument :
 MSVOA_N
 ClientSampled :

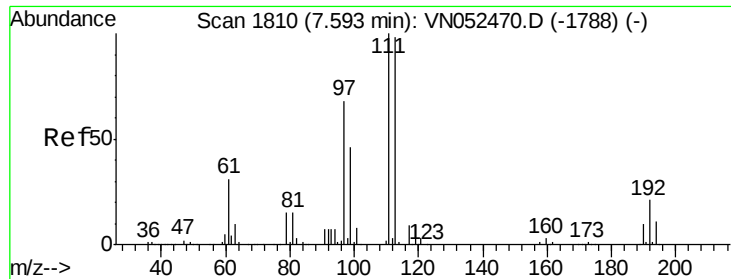
Tot Ion: 65 Resp: 542721
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 114 Resp: 1475970
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.5 0.0 31.6

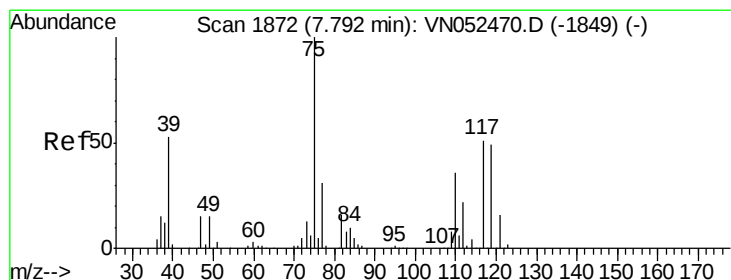
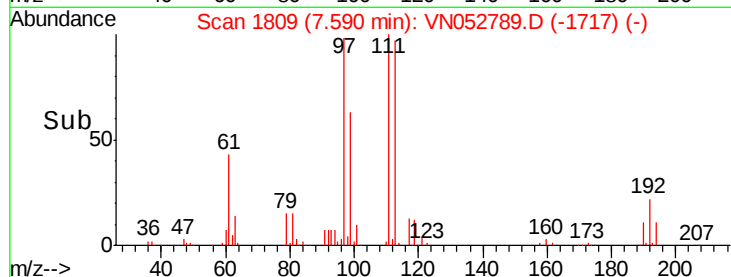
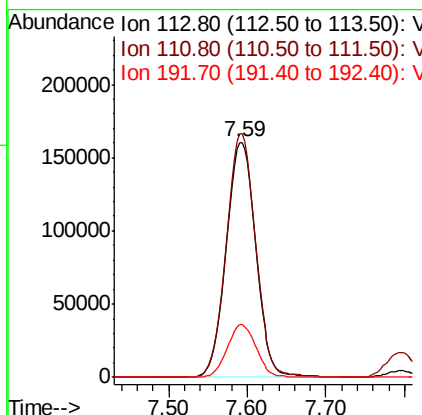
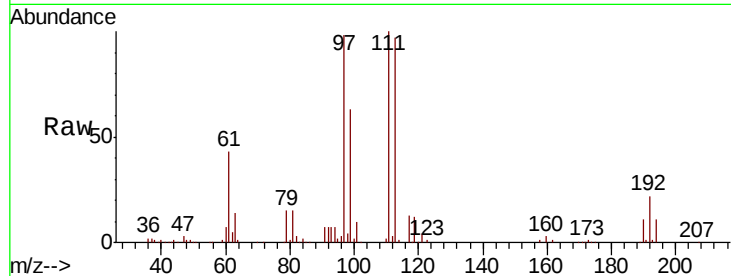




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

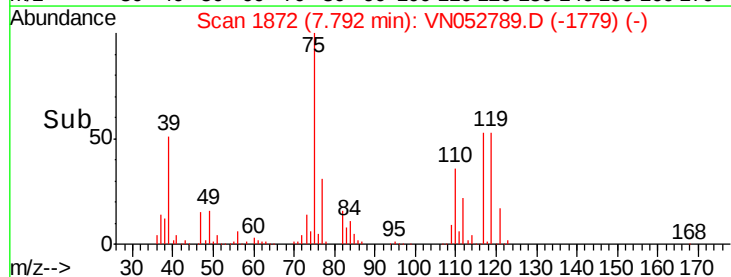
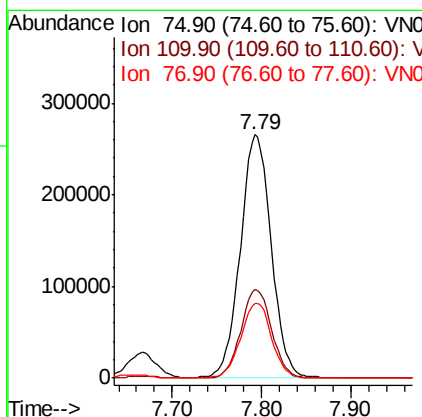
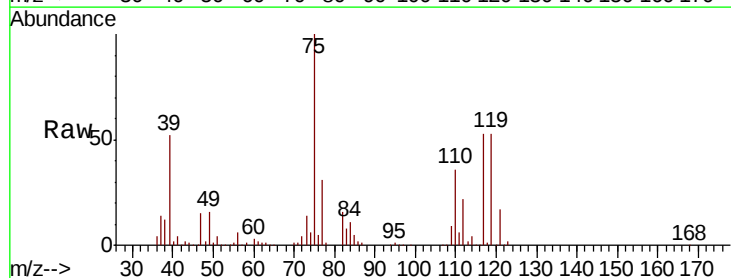
Instrument :
 MSVOA_N
 ClientSampled :

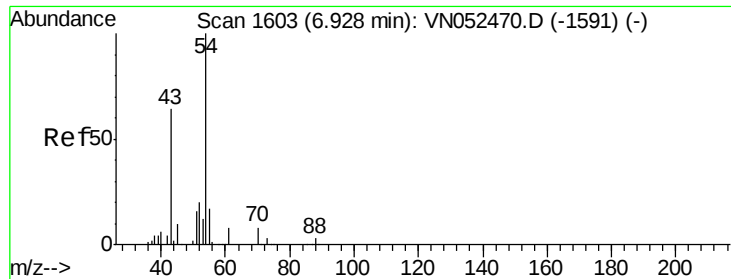
Tot Ion:113 Resp: 418241
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 45.738 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 75 Resp: 637492
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.5 52.6
 77 31.0 24.5 36.7

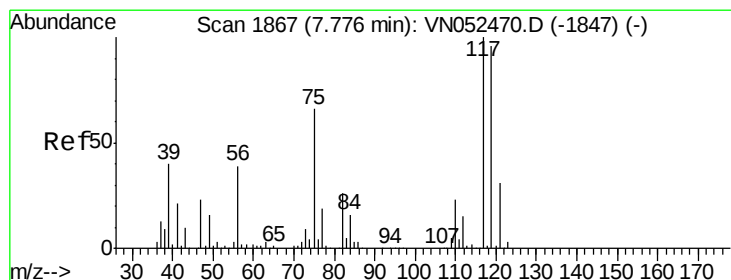
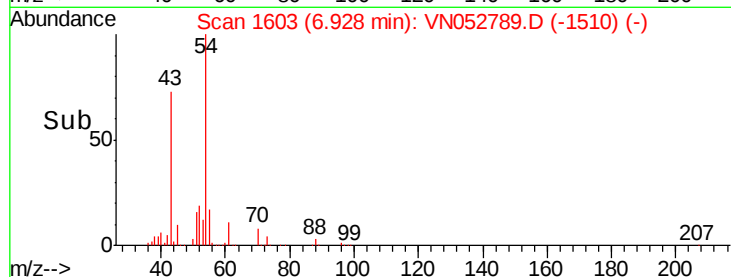
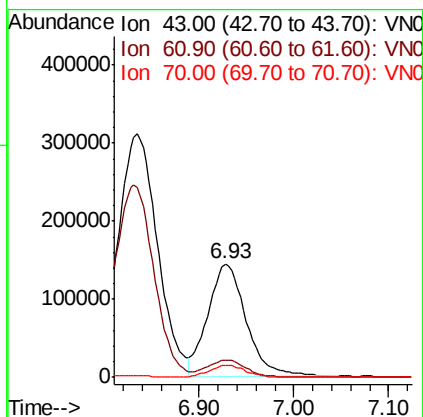
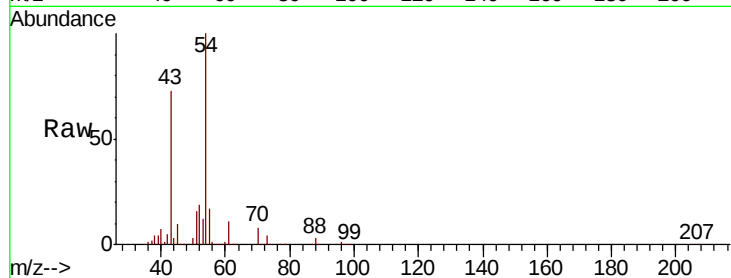




#37
Ethyl Acetate
Concen: 47.815 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

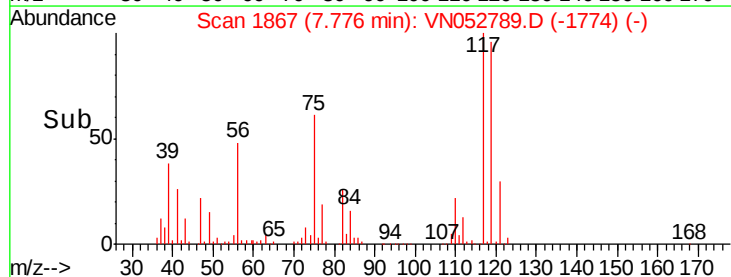
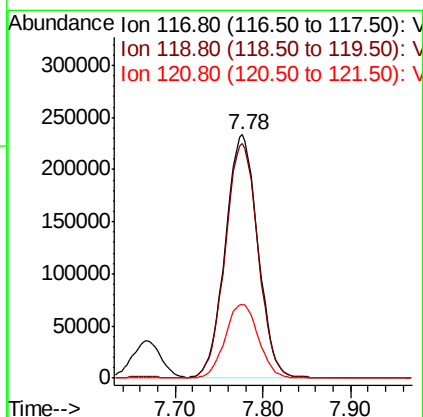
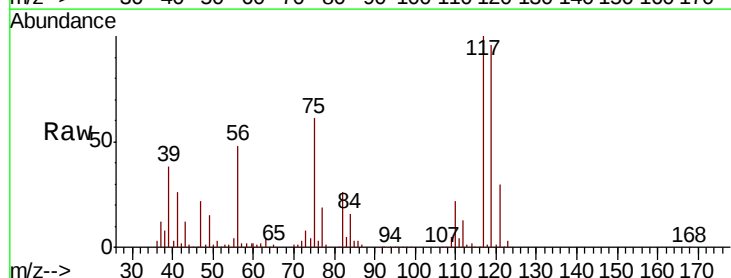
Instrument :
MSVOA_N
ClientSampled :

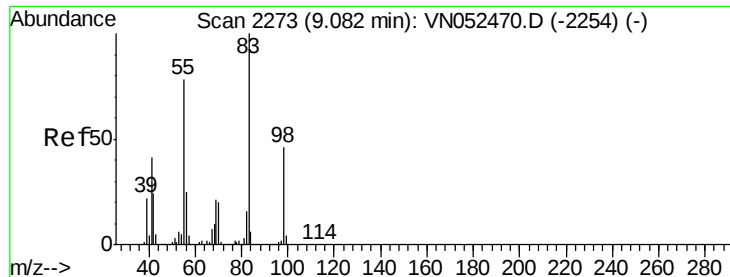
Tot Ion: 43 Resp: 406723
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.738 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 117 Resp: 602333
Ion Ratio Lower Upper
117 100
119 96.4 76.8 115.2
121 30.4 24.9 37.3

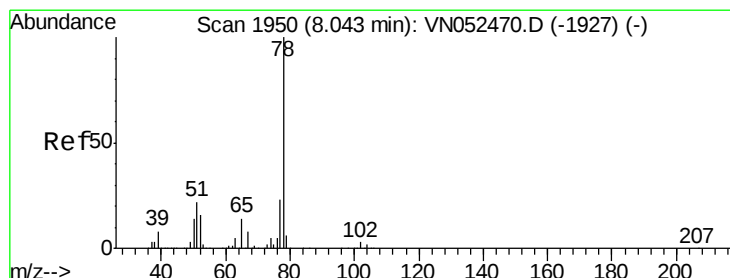
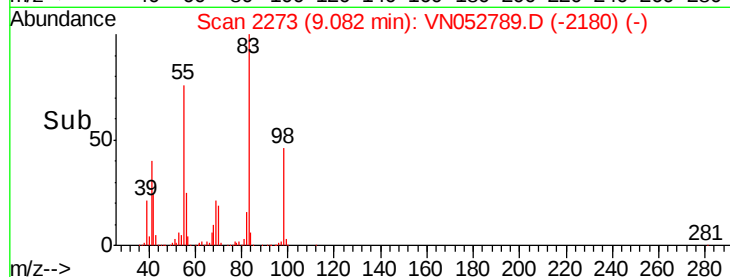
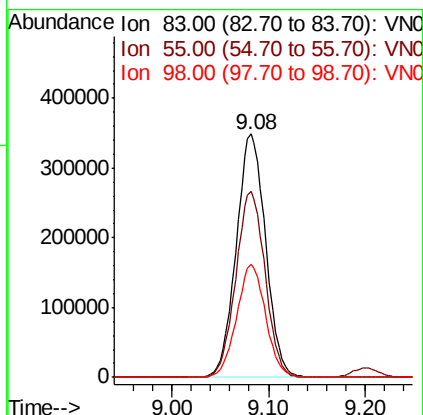
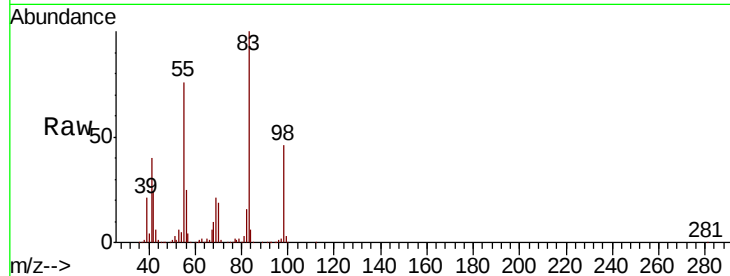




#39
Methvlcvclohexane
Concen: 43.333 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

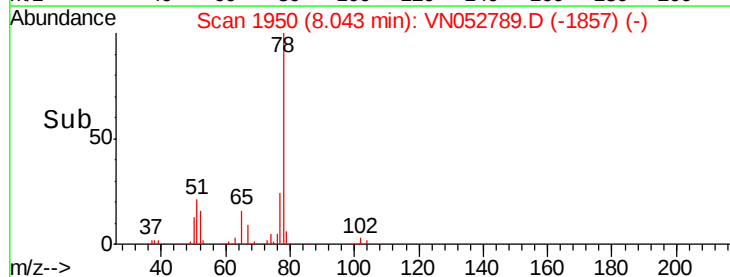
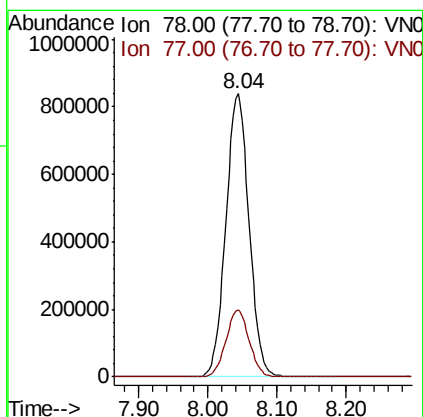
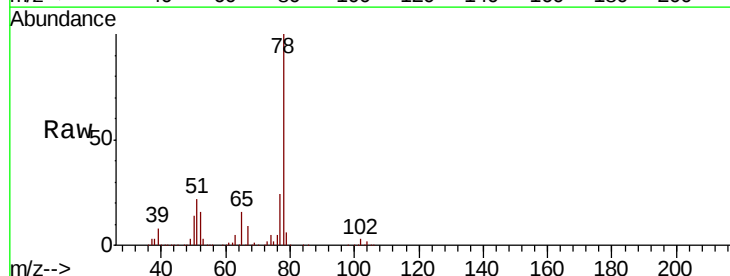
Instrument :
MSVOA_N
ClientSampled :

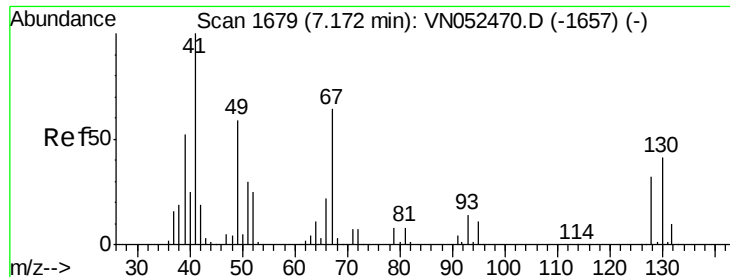
Tot Ion: 83 Resp: 734115
Ion Ratio Lower Upper
83 100
55 76.1 62.2 93.2
98 46.2 36.4 54.6



#40
Benzene
Concen: 47.196 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 78 Resp: 1960429
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

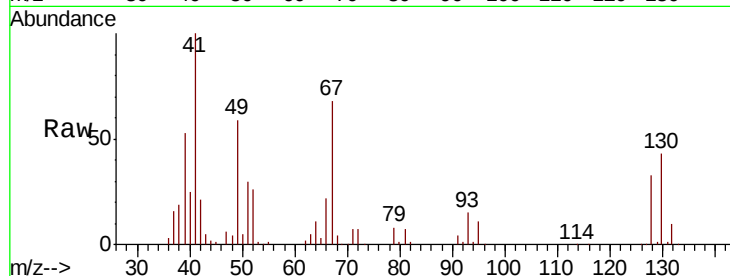




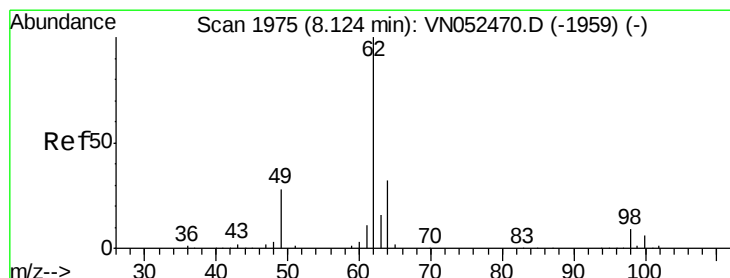
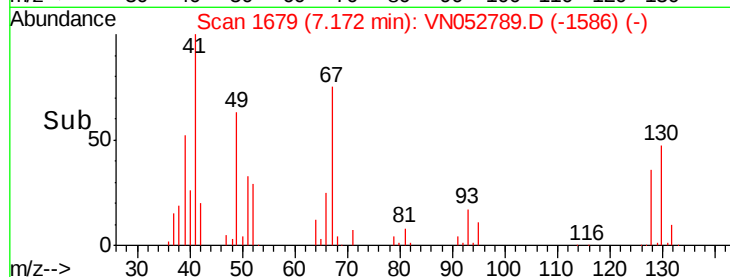
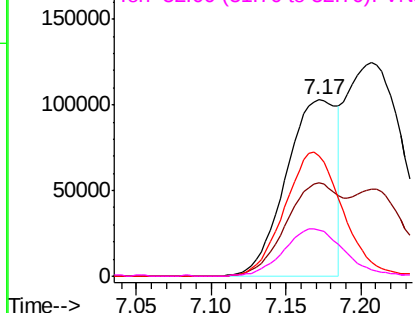
#41
Methacrylonitrile
Concen: 52.217 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 242832
Ion Ratio Lower Upper
41 100
39 55.3 50.9 76.3
67 80.5 63.6 95.4
52 31.4 24.4 36.6

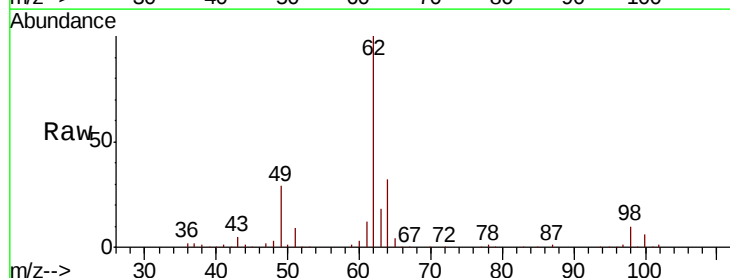


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

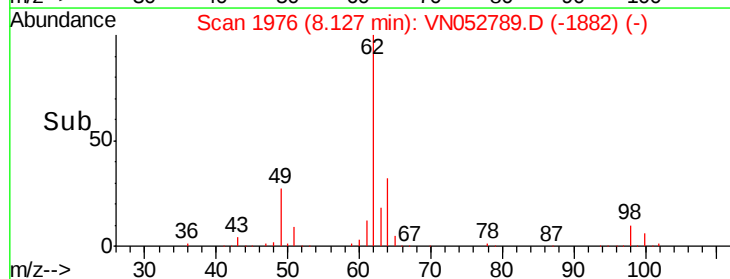
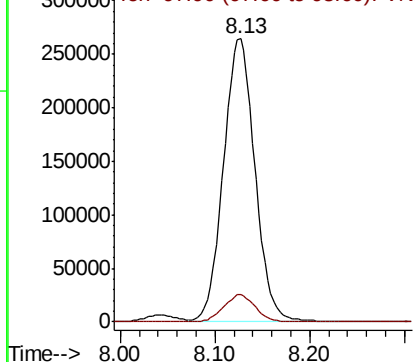


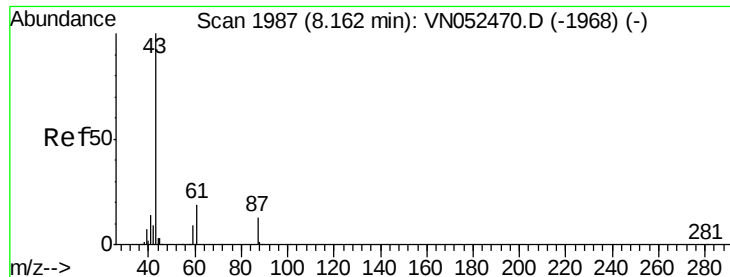
#42
1,2-Dichloroethane
Concen: 48.458 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 62 Resp: 609462
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.6



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



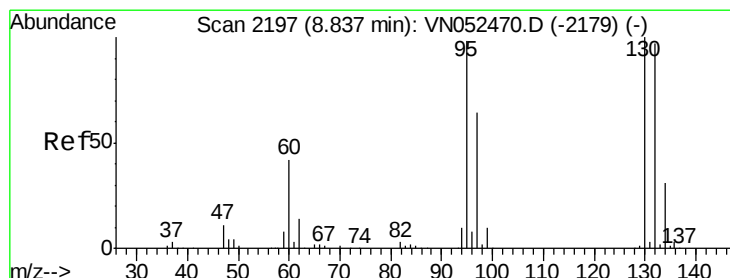
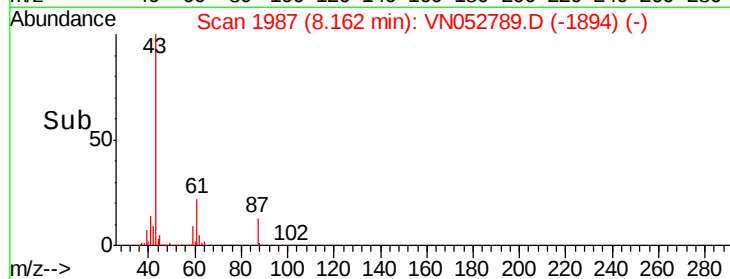
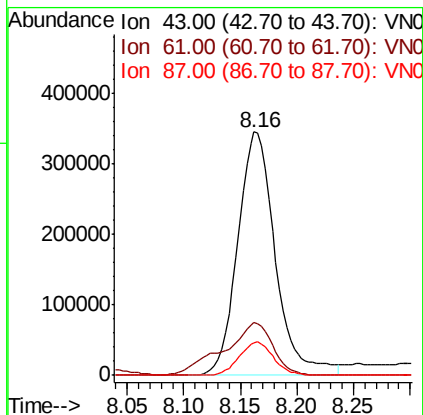
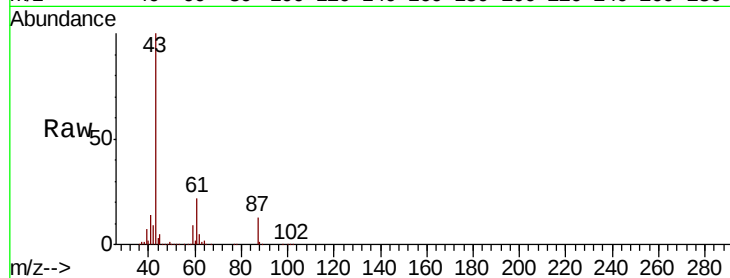


#43

Isopropyl Acetate
 Concen: 55.258 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :

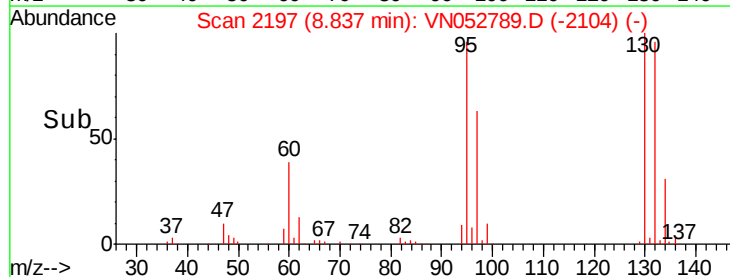
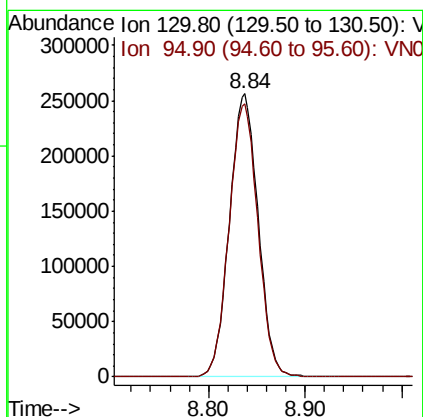
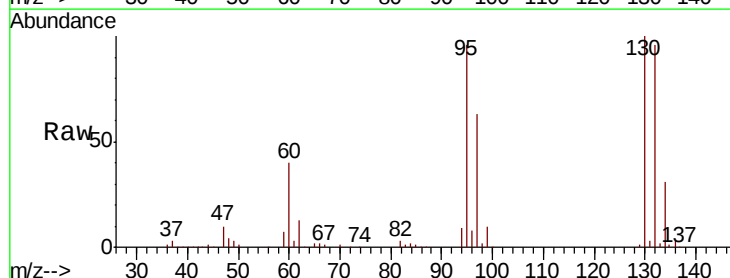
Tot Ion	43	Resp	795447
Ion Ratio	Lower	Upper	
43	100		
61	28.2	24.1	36.1
87	12.6	10.6	15.8

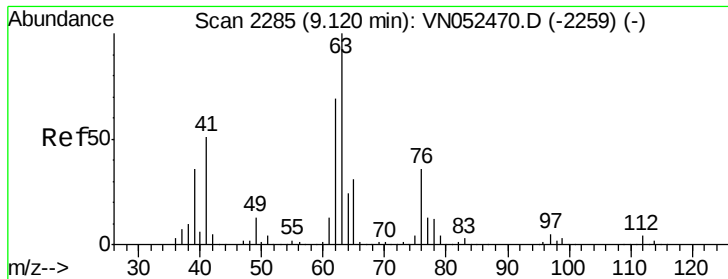


#44

Trichloroethene
 Concen: 49.668 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion	130	Resp	528459
Ion Ratio	Lower	Upper	
130	100		
95	96.4	0.0	195.6





#45

1,2-Dichloropropane

Concen: 48.519 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

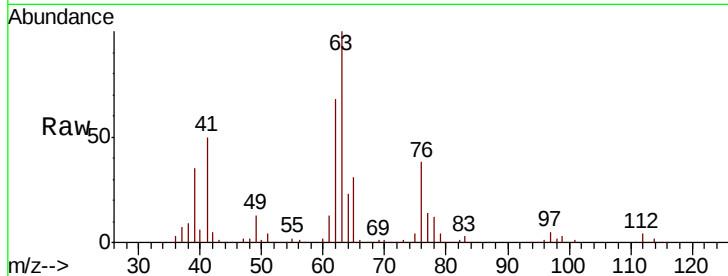
ClientSampled :

Tot Ion: 63 Resp: 535808

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN052789.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN052789.D (-2192) (-)

9.12

250000

200000

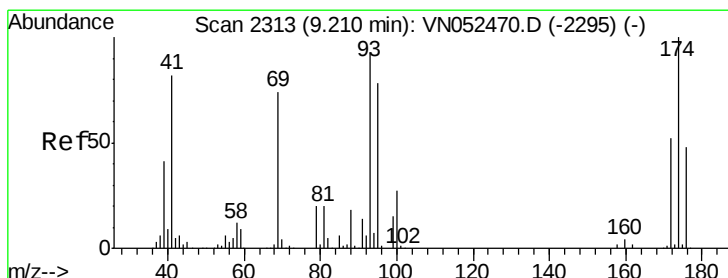
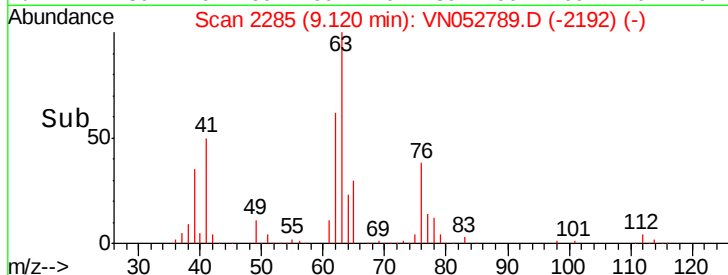
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.470 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

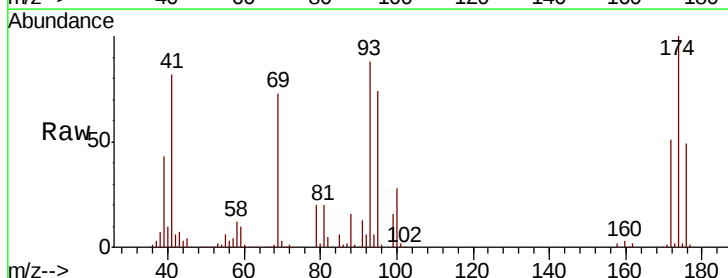
Tgt Ion: 93 Resp: 302433

Ion Ratio Lower Upper

93 100

95 84.2 67.1 100.7

174 112.3 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN052789.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN052789.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN052789.D (-2220) (-)

9.21

200000

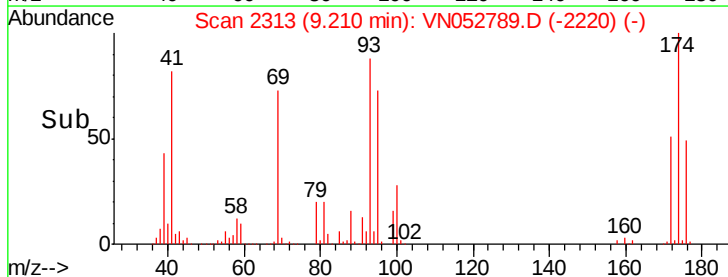
150000

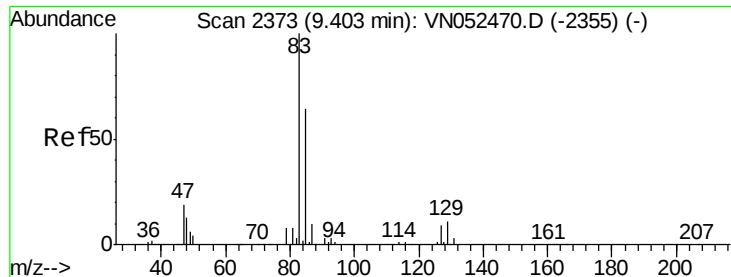
100000

50000

0

Time-->

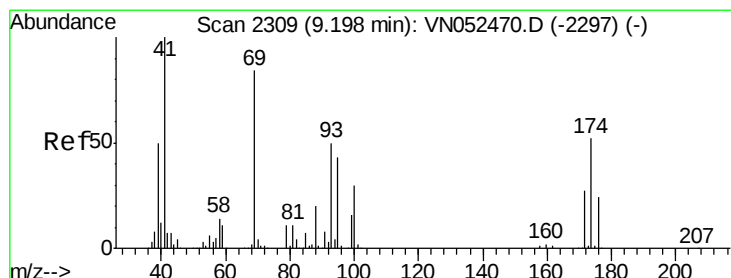
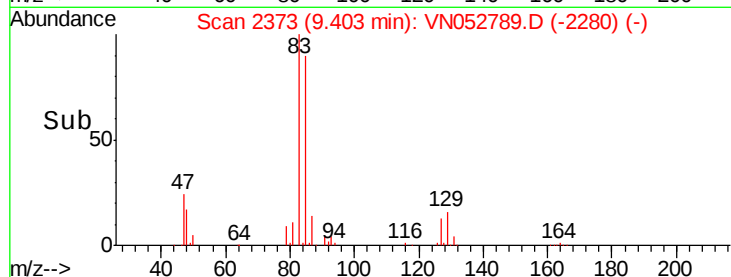
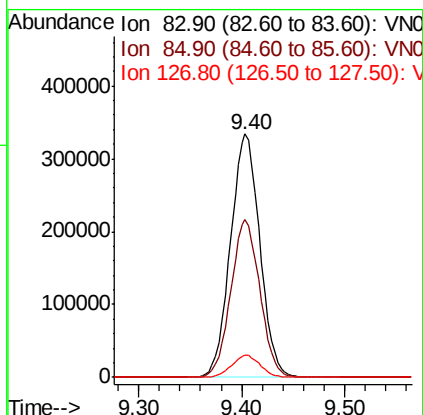
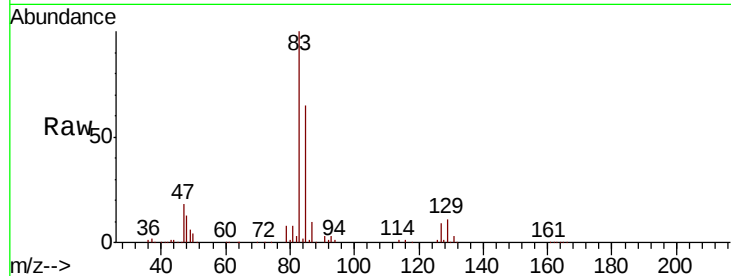




#47
Bromodichloromethane
Concen: 49.745 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

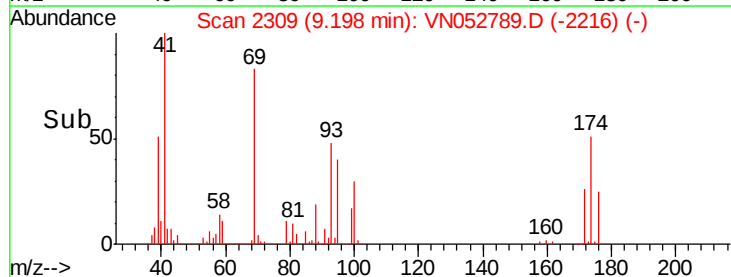
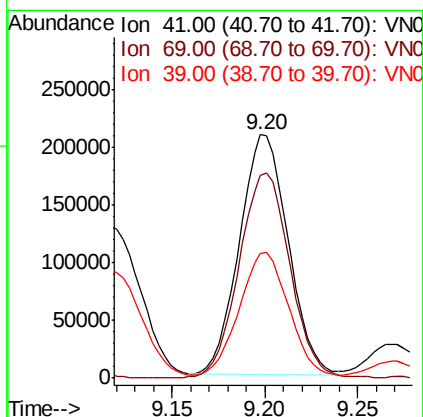
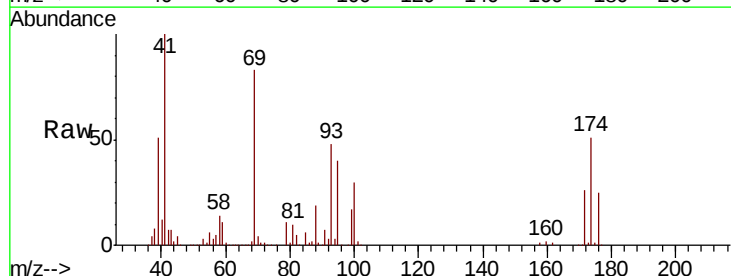
Instrument :
MSVOA_N
ClientSampled :

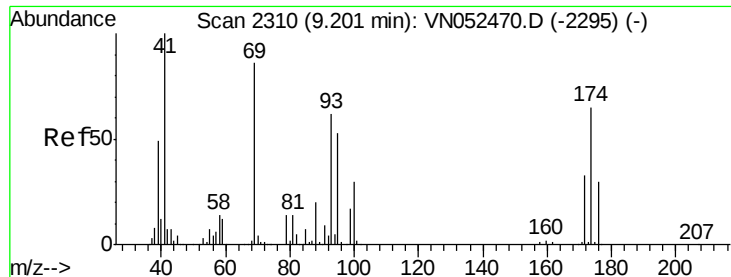
Tot Ion	83	Resp	661197
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.3	76.9
127	9.0	6.9	10.3



#48
Methyl methacrylate
Concen: 50.572 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion	41	Resp	379593
Ion Ratio	Lower	Upper	
41	100		
69	89.4	70.0	105.0
39	53.9	42.6	64.0





#49

1,4-Dioxane

Concen: 1072.903 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

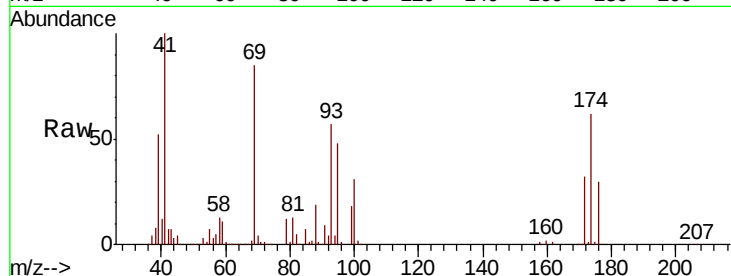
Tot Ion: 88 Resp: 83579

Ion Ratio Lower Upper

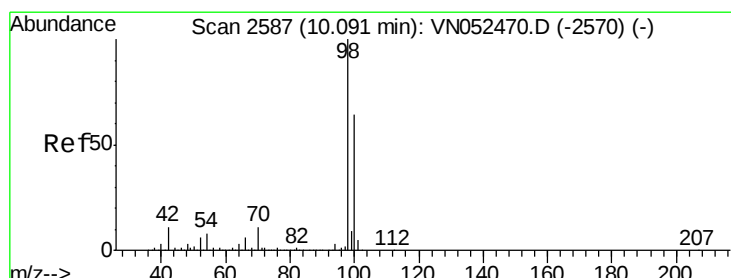
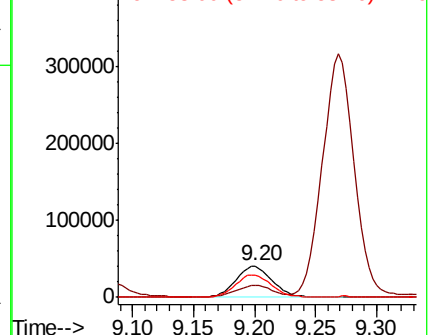
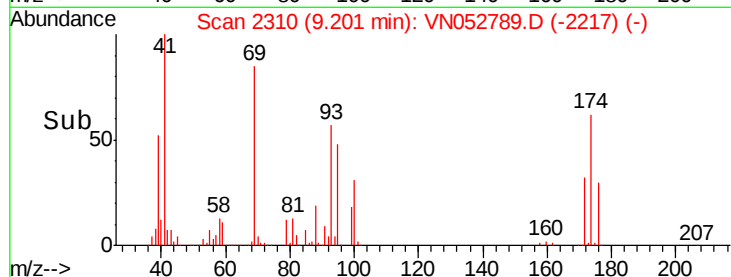
88 100

43 33.8 26.4 39.6

58 71.3 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: 1072.903 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052789.D

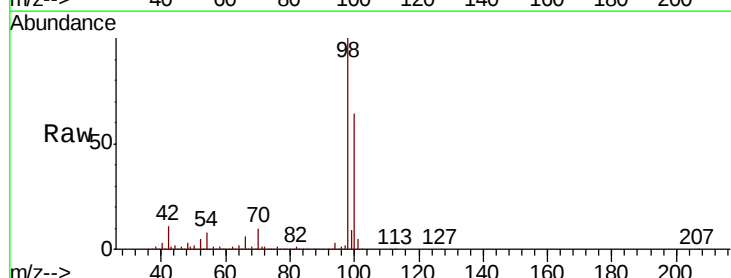
Acq: 11 Dec 2018 8:31

Tgt Ion: 98 Resp: 1861110

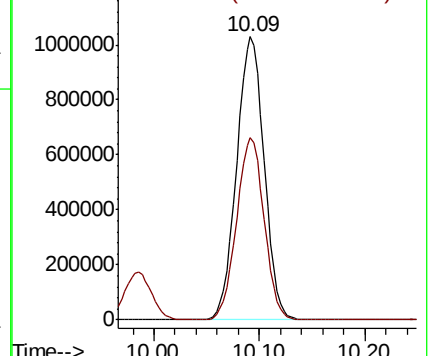
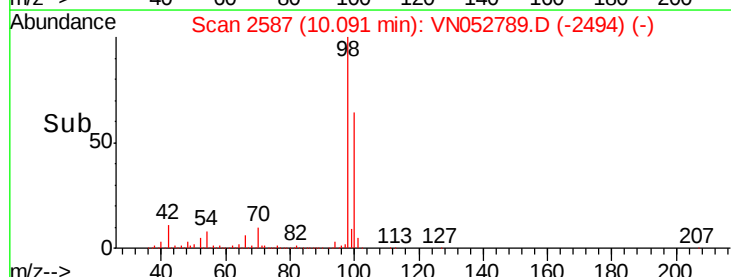
Ion Ratio Lower Upper

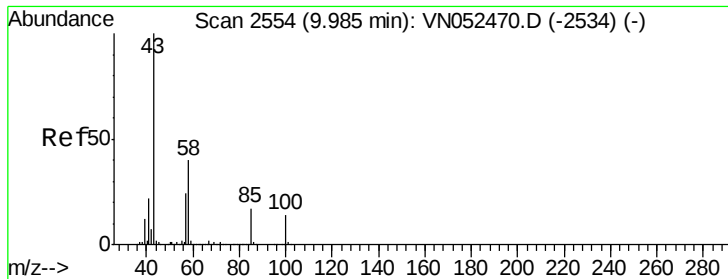
98 100

100 64.2 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: 259.557 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

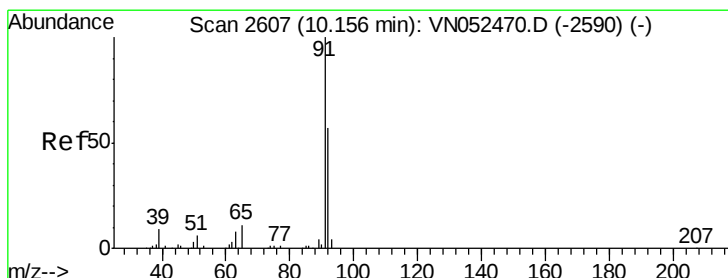
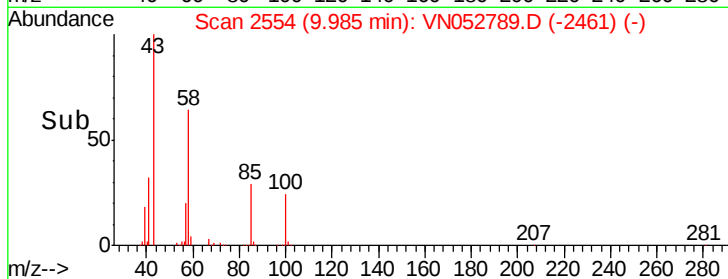
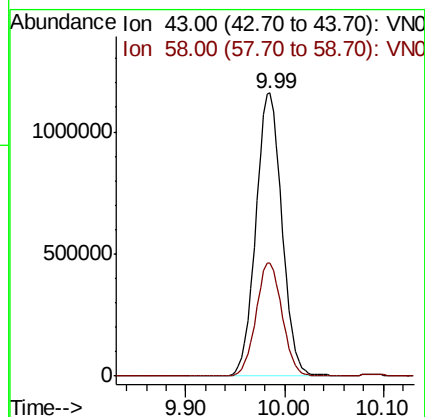
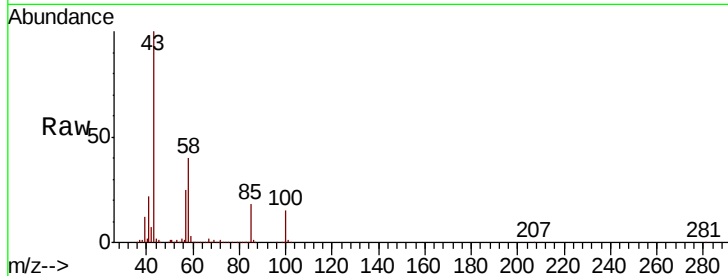
ClientSampled :

Tot Ion: 43 Resp: 2096359

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3



#52

Toluene

Concen: 48.890 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052789.D

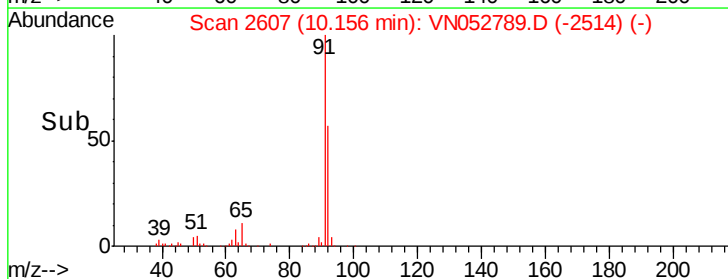
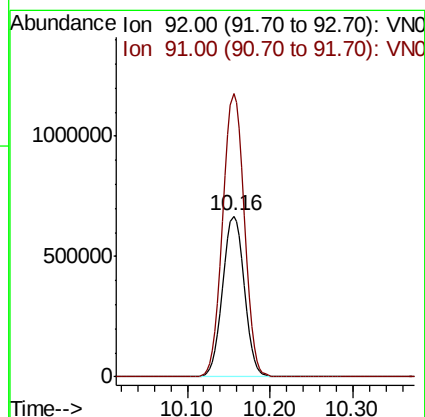
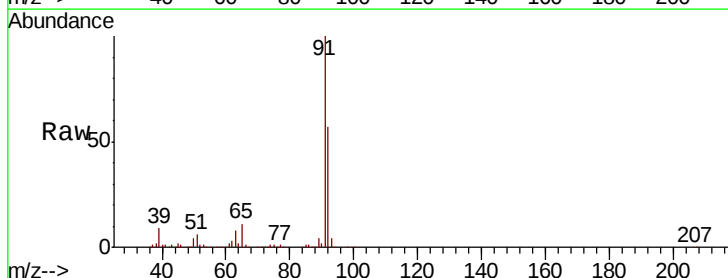
Acq: 11 Dec 2018 8:31

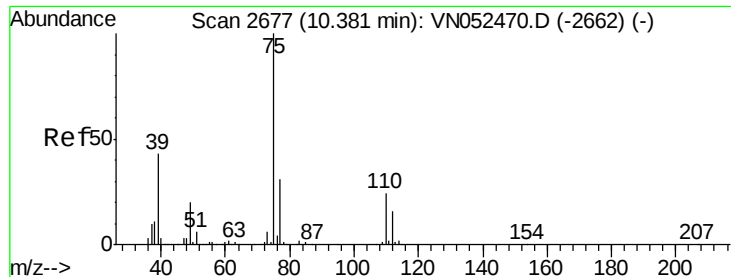
Tgt Ion: 92 Resp: 1206582

Ion Ratio Lower Upper

92 100

91 175.8 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 48.999 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

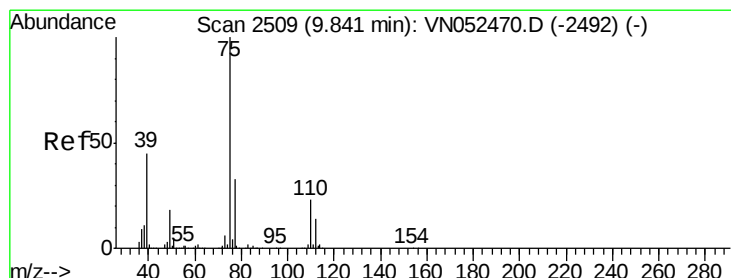
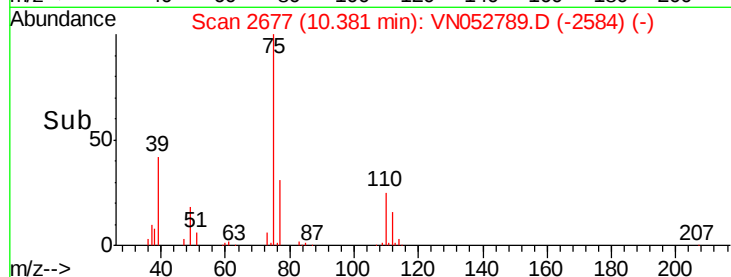
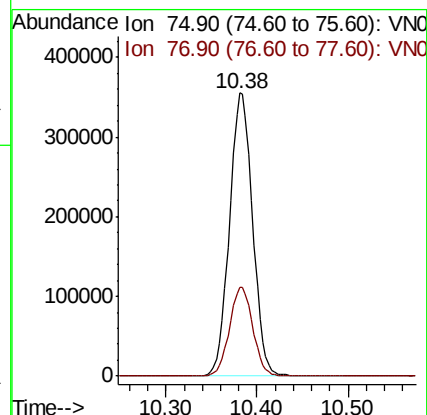
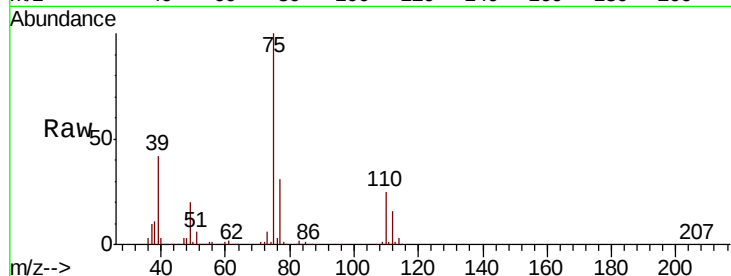
ClientSampled :

Tot Ion: 75 Resp: 626543

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 47.826 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

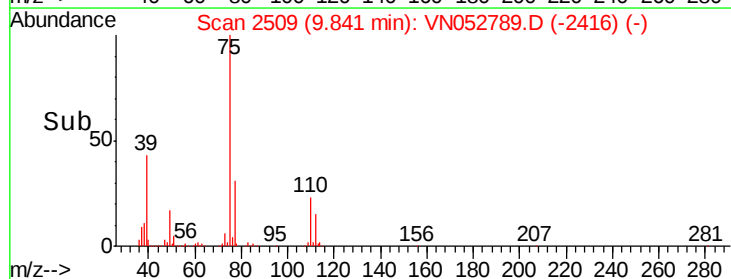
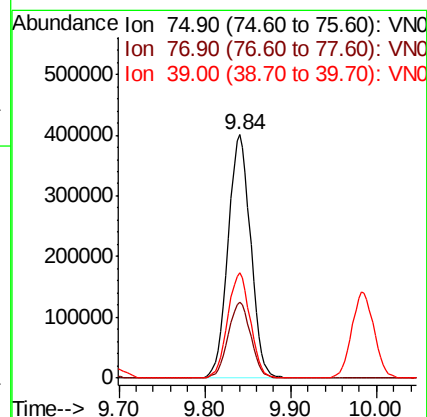
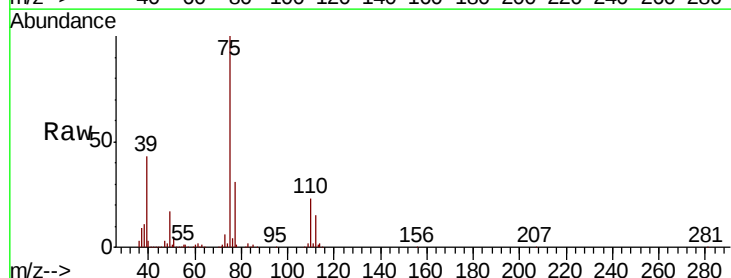
Tgt Ion: 75 Resp: 732852

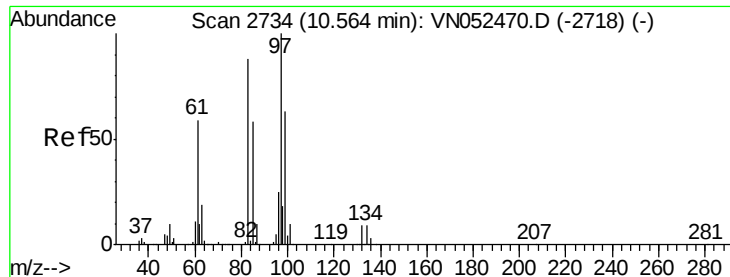
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 43.1 36.0 54.0

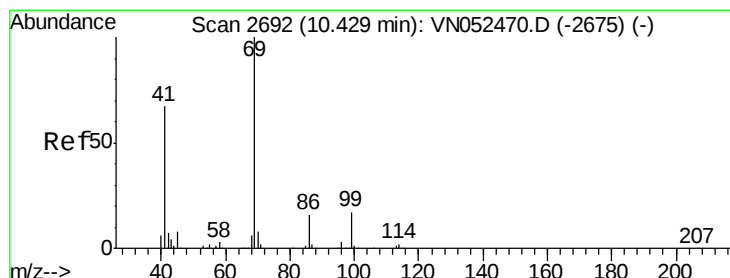
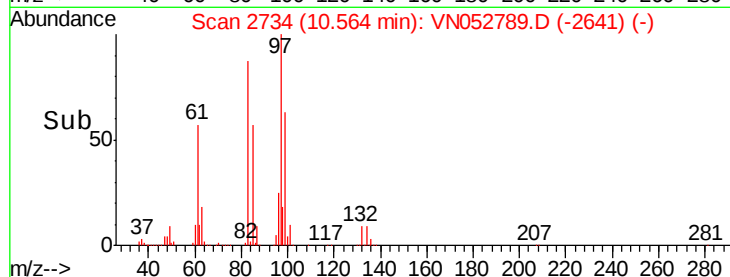
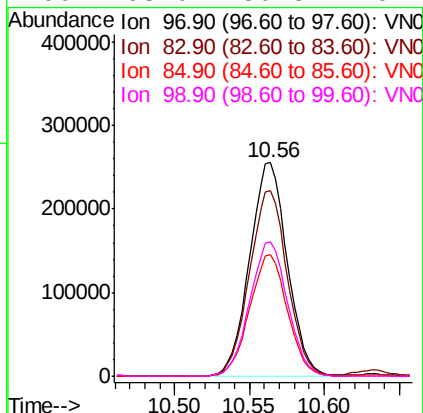
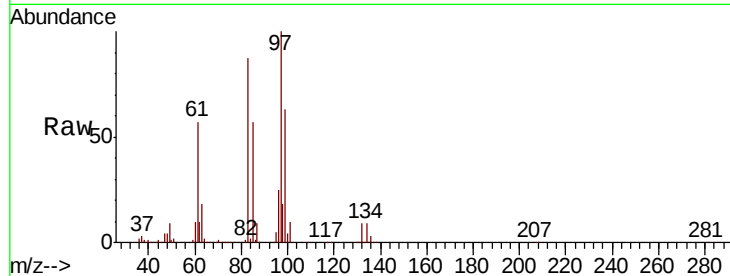




#55
 1,1,2-Trichloroethane
 Concen: 51.567 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

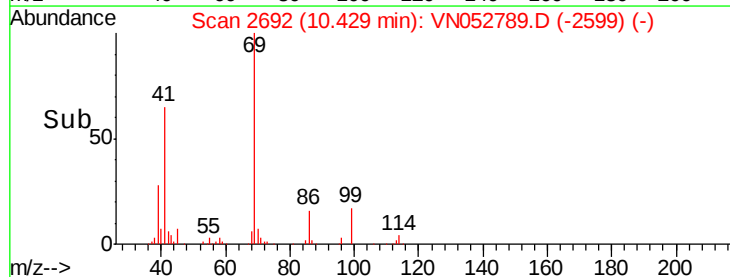
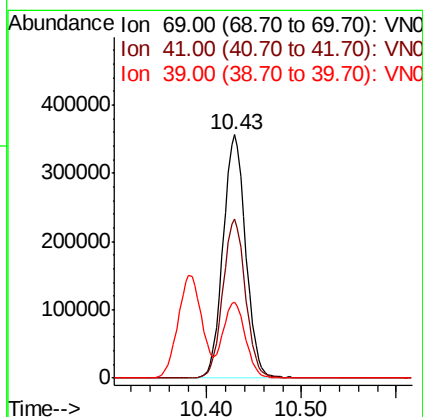
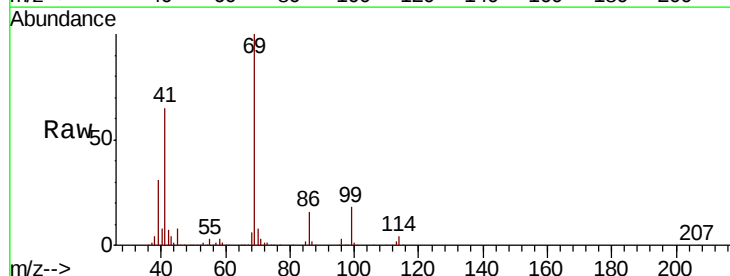
Instrument :
 MSVOA_N
 ClientSampleId :

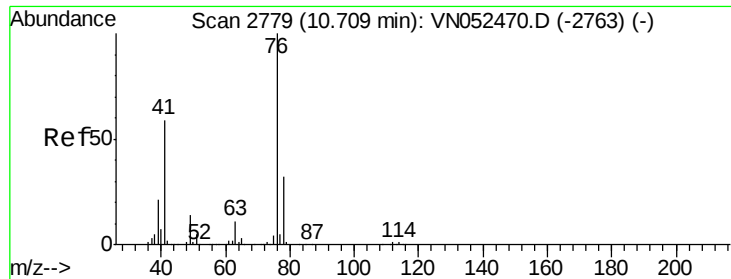
Tot Ion:	97	Resp:	447660
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.7	106.1
85	56.8	46.1	69.1
99	63.0	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 49.226 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion:	69	Resp:	592872
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.6	79.0
39	31.0	25.9	38.9

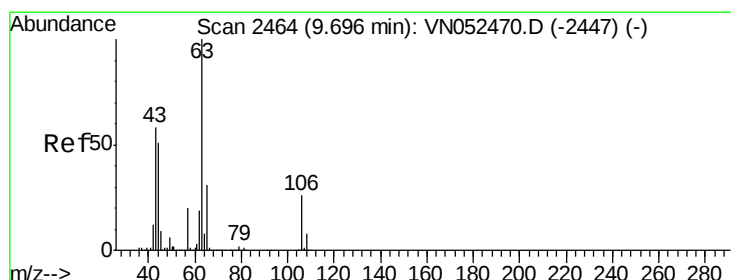
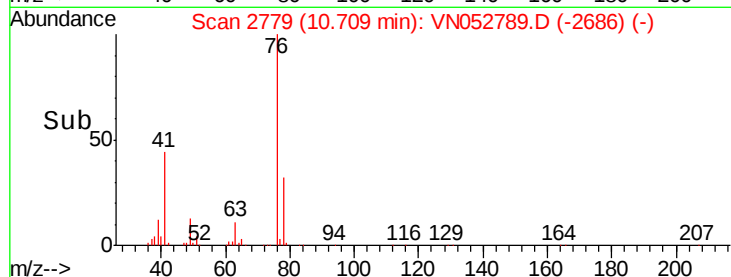
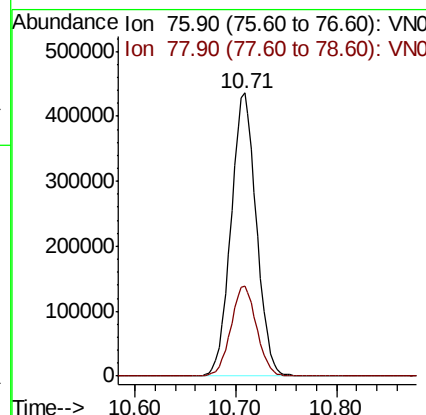
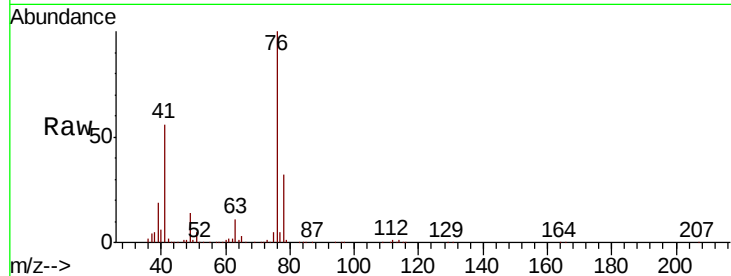




#57
 1,3-Dichloropropane
 Concen: 49.865 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

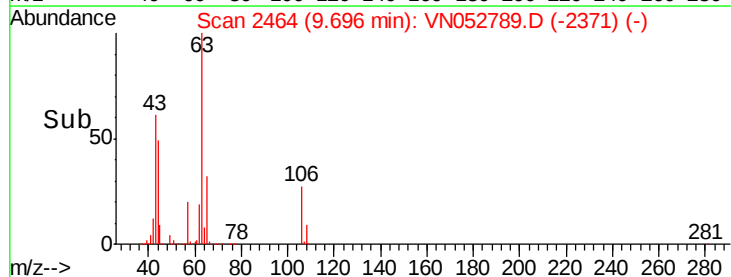
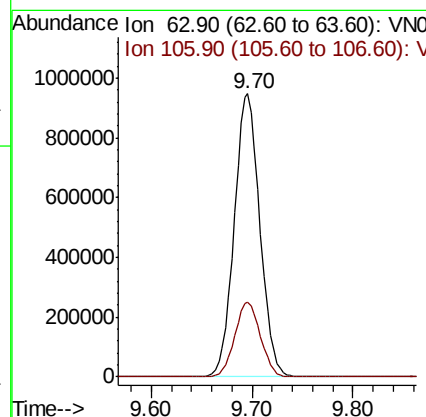
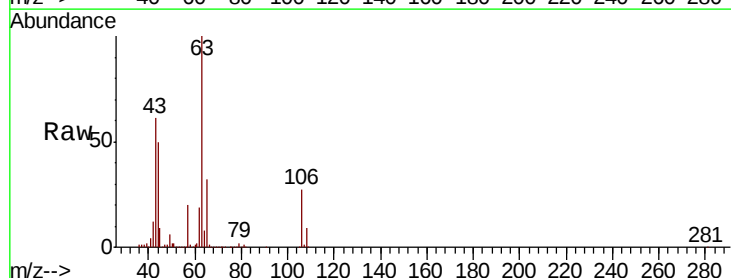
Instrument :
 MSVOA_N
 ClientSampled :

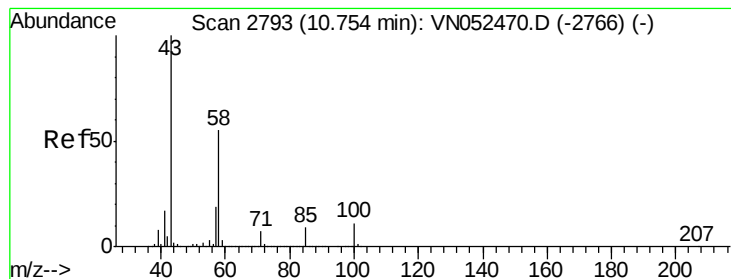
Tot Ion: 76 Resp: 764342
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.674 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 63 Resp: 1673539
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.6 30.8





#59

2-Hexanone

Concen: 260.885 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

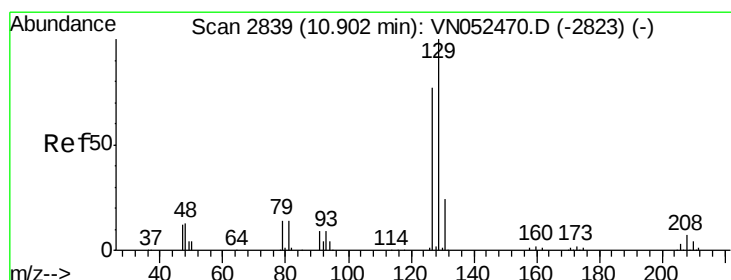
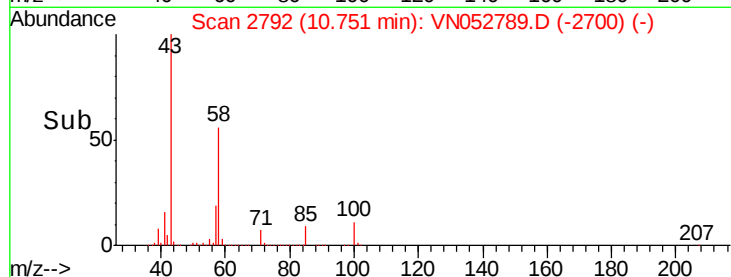
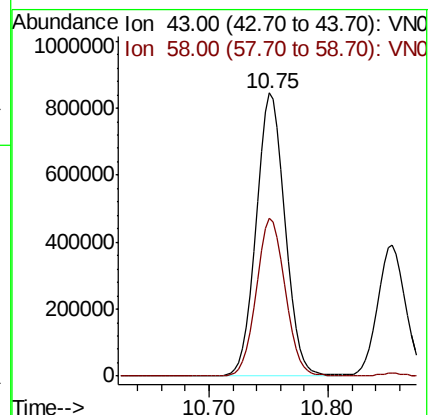
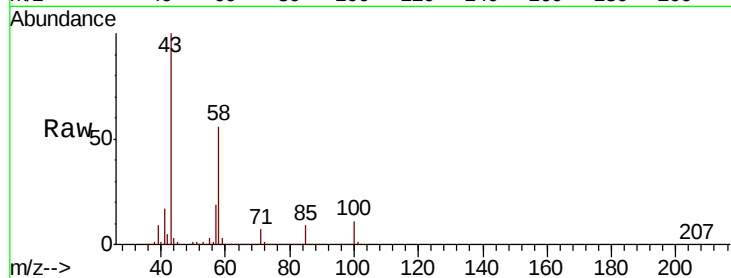
ClientSampleId :

Tot Ion: 43 Resp: 1414178

Ion Ratio Lower Upper

43 100

58 56.1 27.4 82.0



#60

Dibromochloromethane

Concen: 52.594 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052789.D

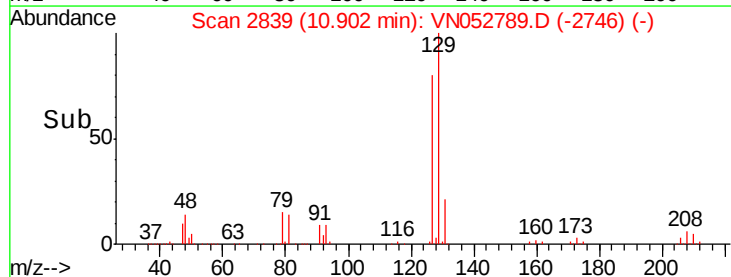
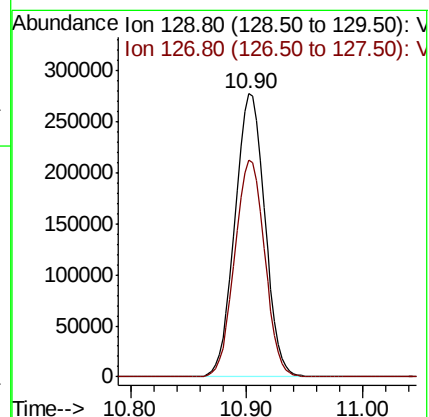
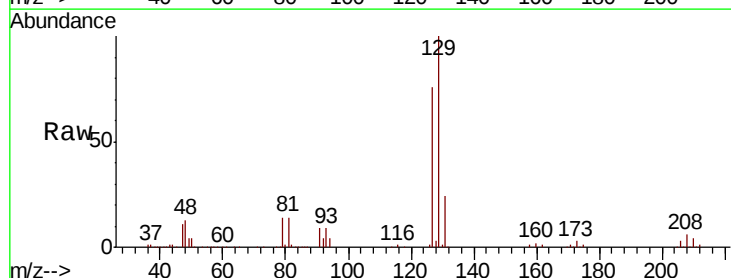
Acq: 11 Dec 2018 8:31

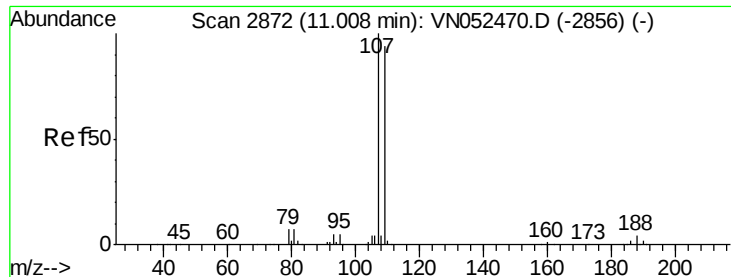
Tgt Ion:129 Resp: 495884

Ion Ratio Lower Upper

129 100

127 76.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 50.635 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

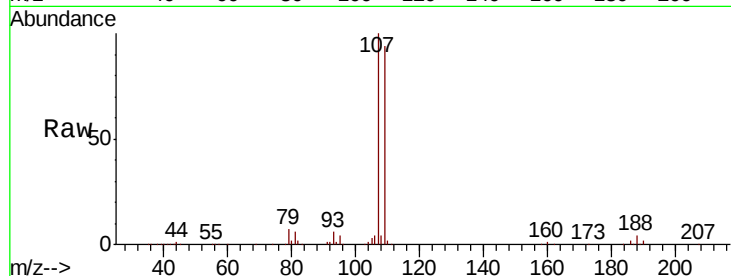
ClientSampled :

Tot Ion:107 Resp: 436587

Ion Ratio Lower Upper

107 100

109 94.5 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

100000

50000

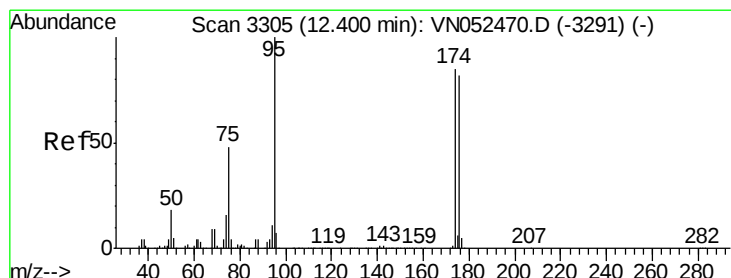
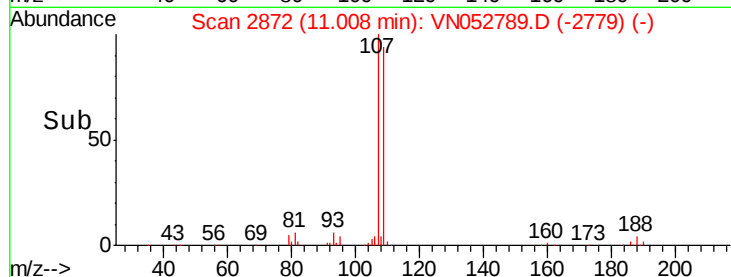
0

11.01

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 50.635 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

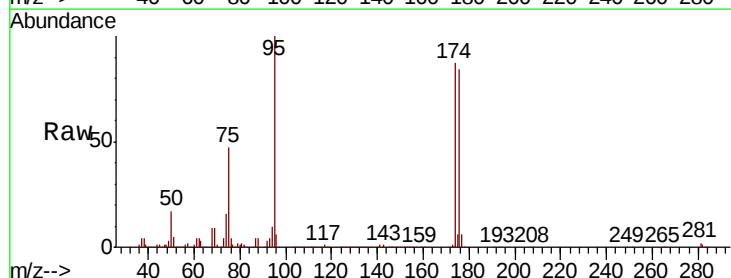
Tgt Ion: 95 Resp: 661942

Ion Ratio Lower Upper

95 100

174 88.0 0.0 173.0

176 85.2 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

300000

200000

100000

0

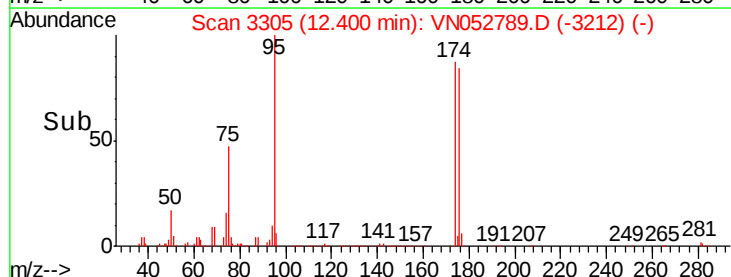
12.40

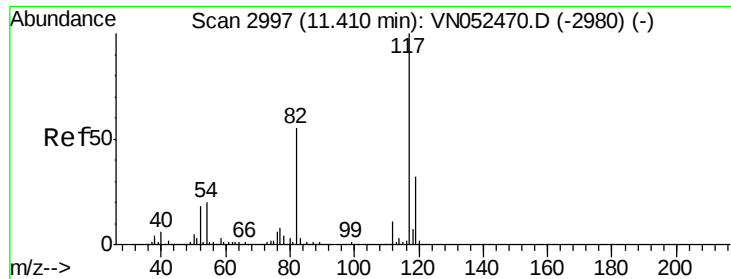
12.30

12.35

12.45

Time-->

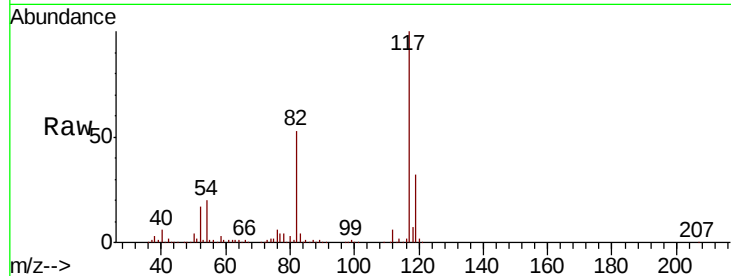




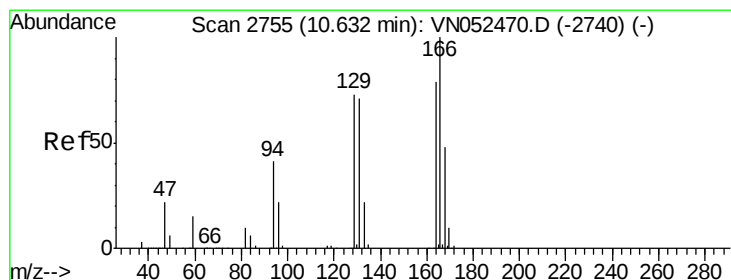
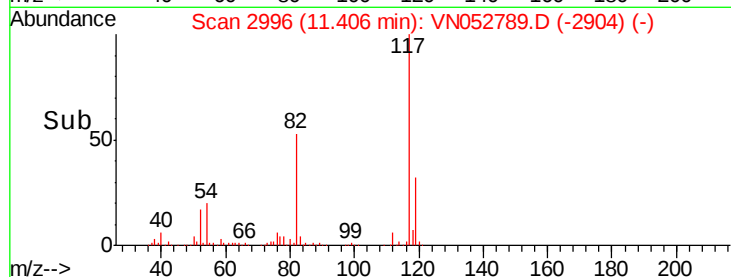
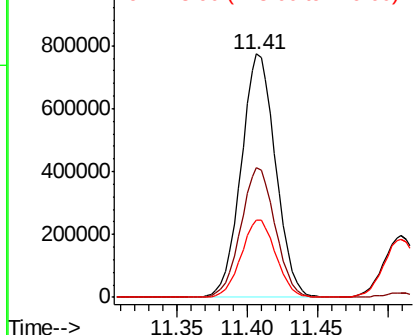
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1320994
Ion Ratio Lower Upper
117 100
82 53.2 43.6 65.4
119 31.8 25.4 38.2

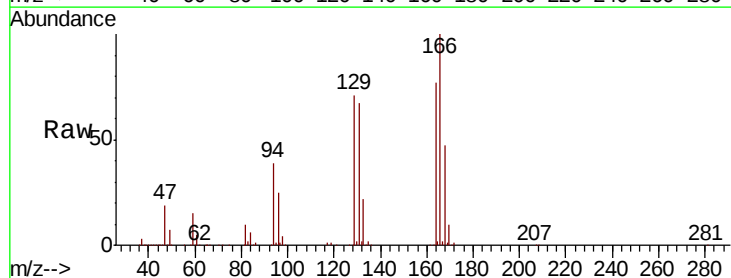


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

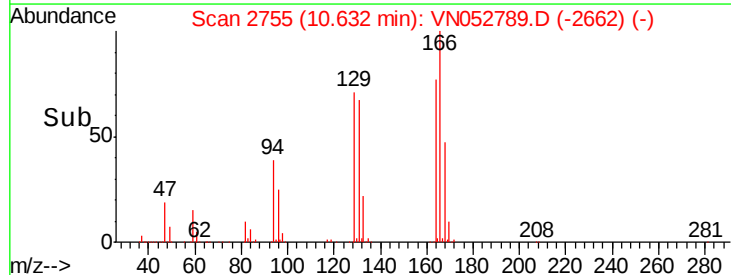
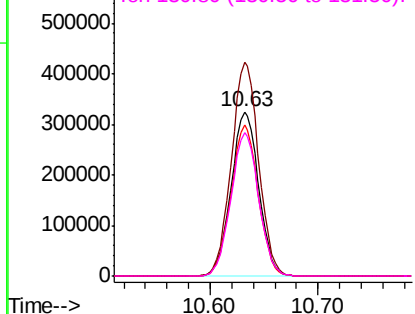


#64
Tetrachloroethene
Concen: 56.493 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion:164 Resp: 578605
Ion Ratio Lower Upper
164 100
166 130.2 101.0 151.4
129 91.8 73.8 110.6
131 87.1 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

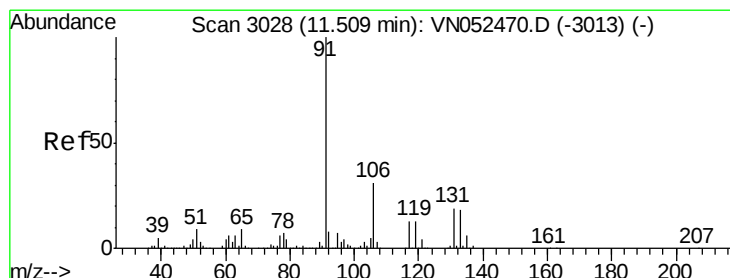
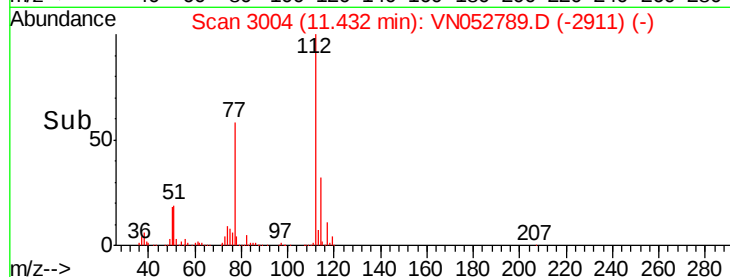
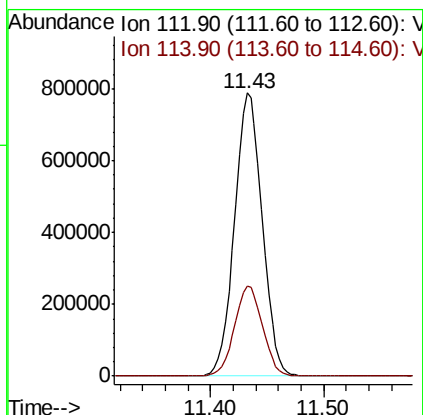
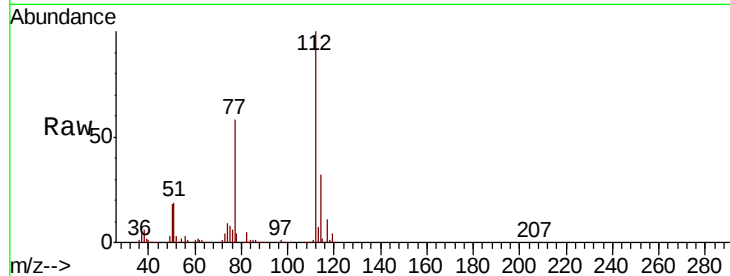




#65
Chlorobenzene
Concen: 49.295 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

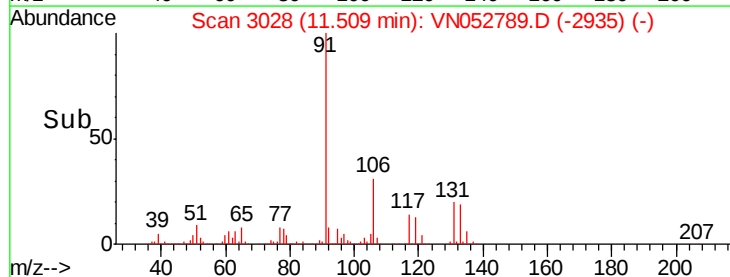
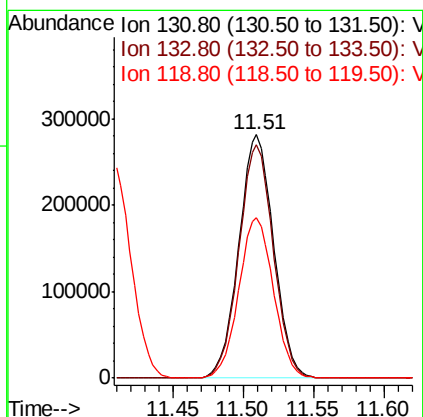
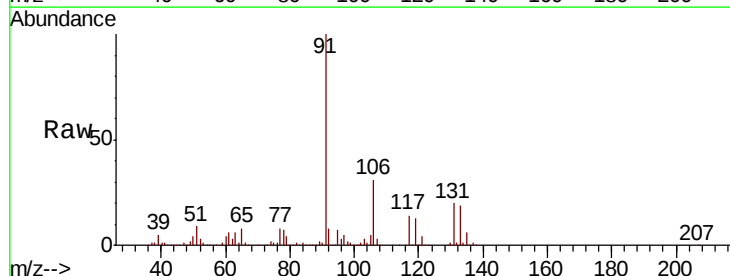
Instrument :
MSVOA_N
ClientSampled :

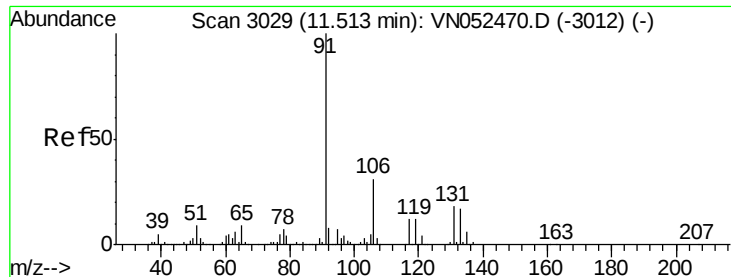
Tot Ion:112 Resp: 1342743
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.383 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion:131 Resp: 486655
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 65.8 33.2 99.6

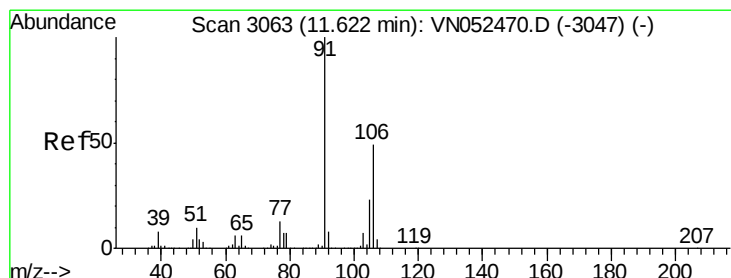
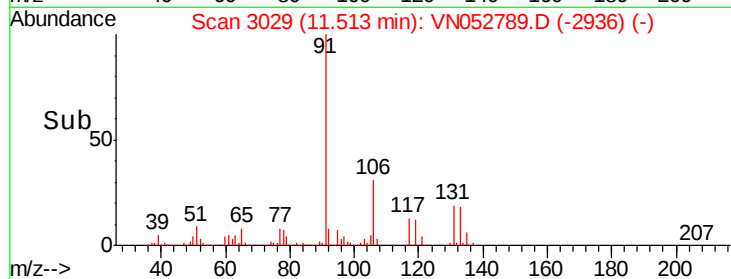
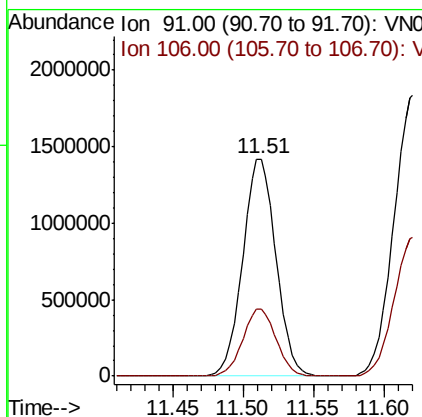
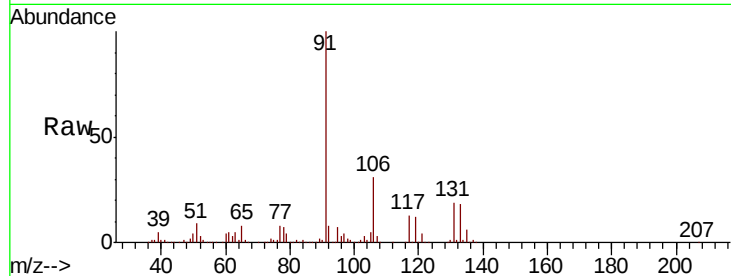




#67
Ethyl Benzene
Concen: 49.079 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

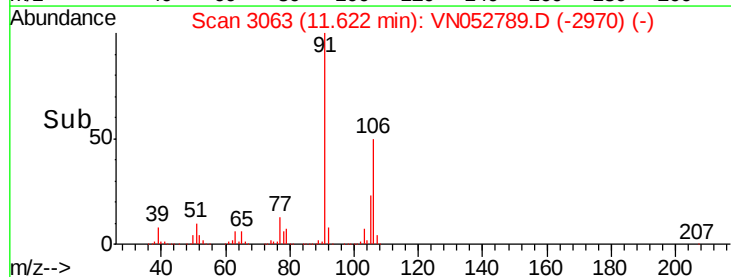
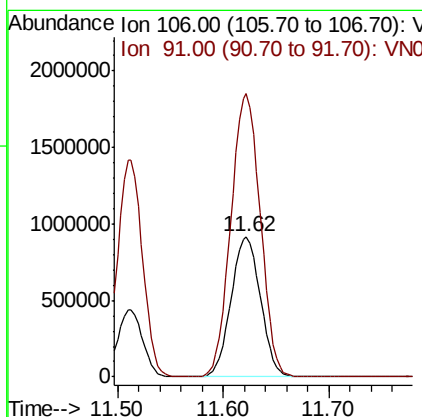
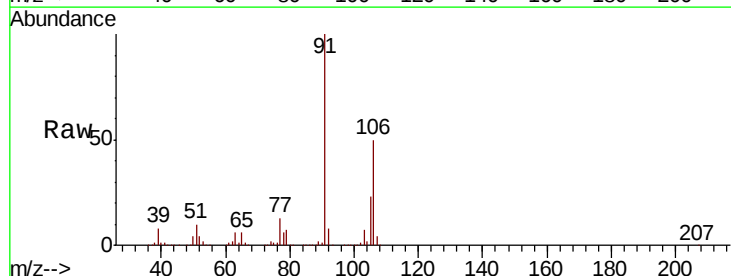
Instrument :
MSVOA_N
ClientSampled :

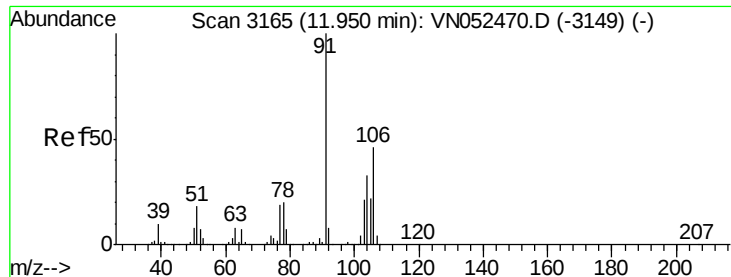
Tot Ion: 91 Resp: 2341048
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 99.142 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion: 106 Resp: 1760509
Ion Ratio Lower Upper
106 100
91 202.8 163.2 244.8

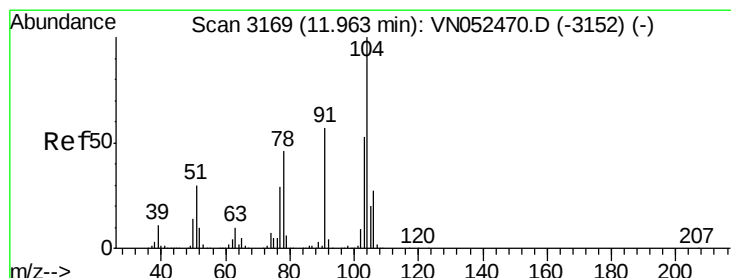
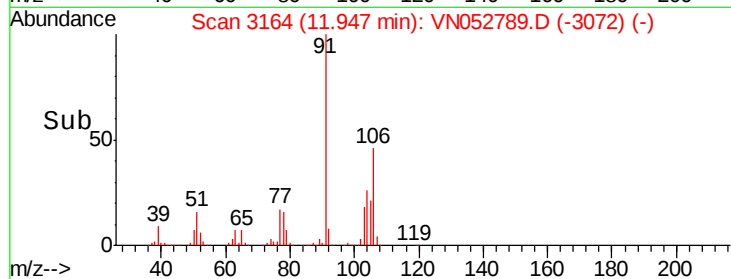
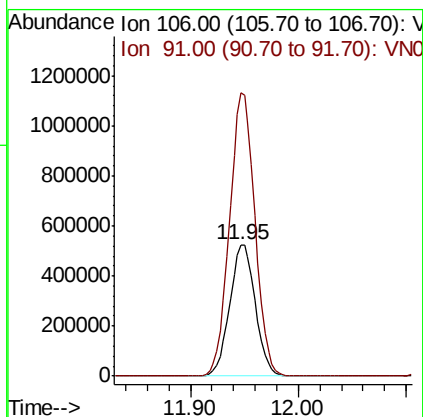
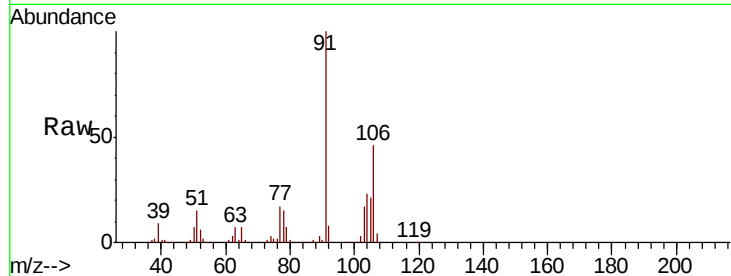




#69
o-Xylene
Concen: 50.270 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

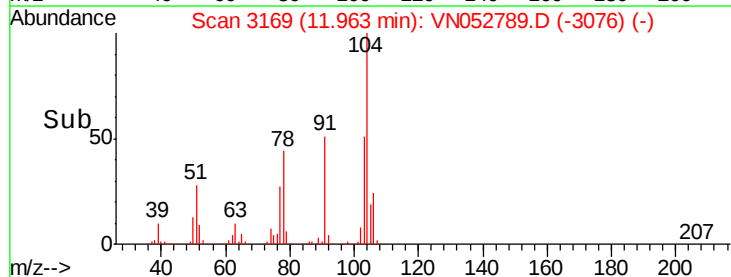
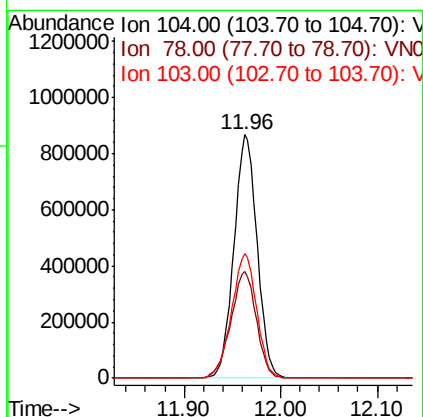
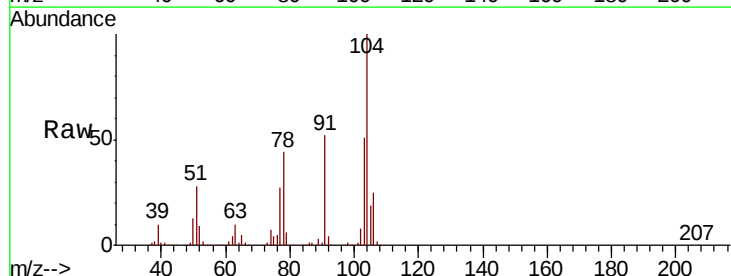
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 866867
Ion Ratio Lower Upper
106 100
91 214.1 107.7 323.1



#70
Styrene
Concen: 52.480 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion:104 Resp: 1441398
Ion Ratio Lower Upper
104 100
78 48.2 39.4 59.2
103 55.2 44.9 67.3

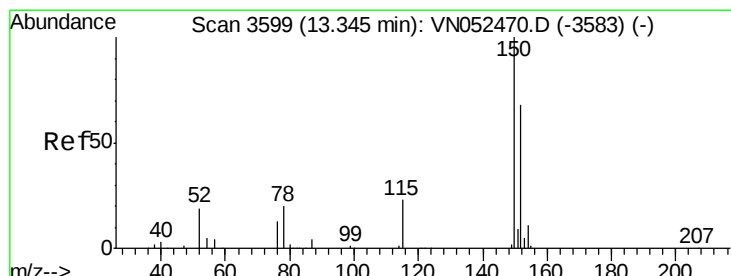
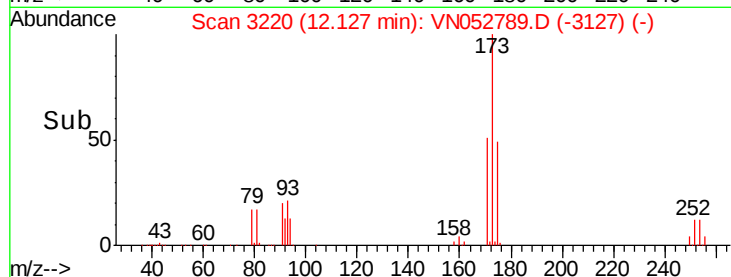
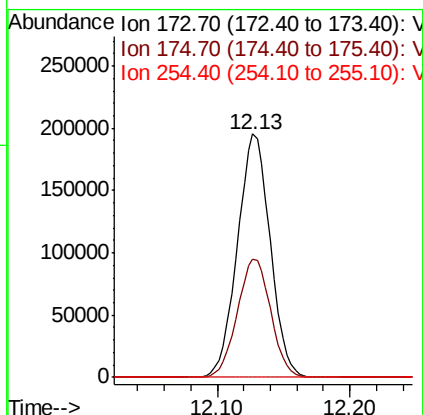
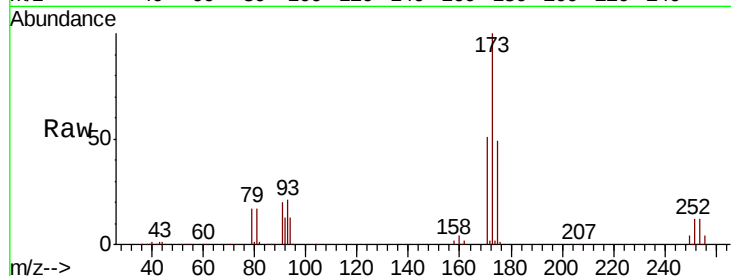




#71
Bromoform
Concen: 53.364 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052789.D
Acq: 11 Dec 2018 8:31

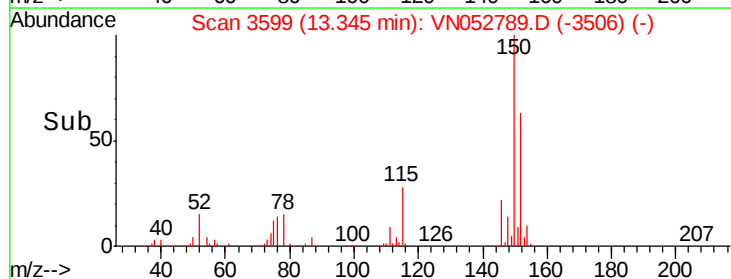
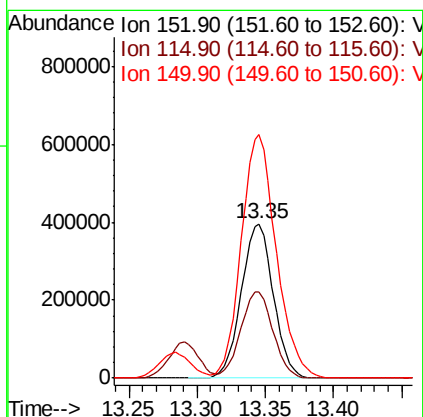
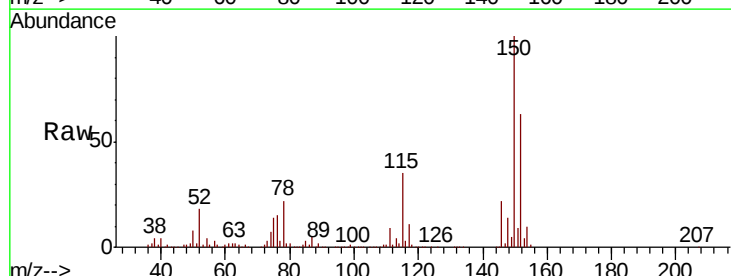
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 334645
Ion Ratio Lower Upper
173 100
175 49.6 24.4 73.2
254 0.2 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: VN052789.D
Acq: 11 Dec 2018 8:31

Tgt Ion:152 Resp: 644156
Ion Ratio Lower Upper
152 100
115 56.6 28.4 85.2
150 172.3 0.0 346.0





#73

Isopropylbenzene

Concen: 45.984 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

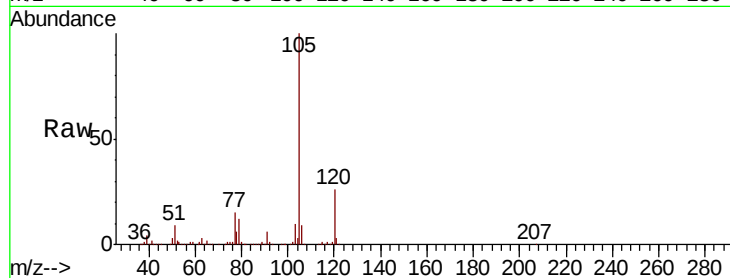
ClientSampled :

Tot Ion:105 Resp: 2323922

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

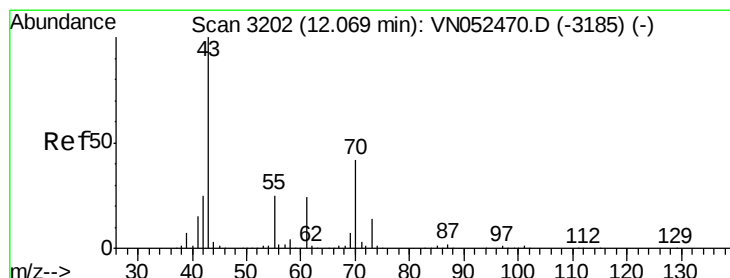
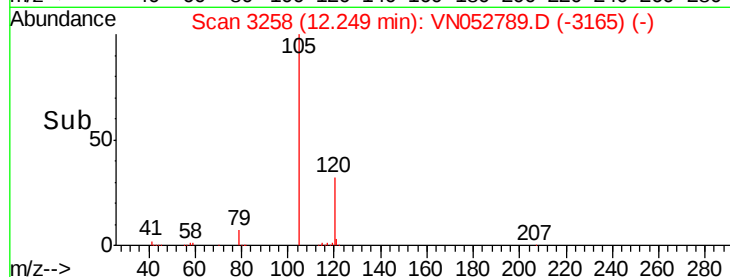
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 52.255 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Tgt Ion: 43 Resp: 667190

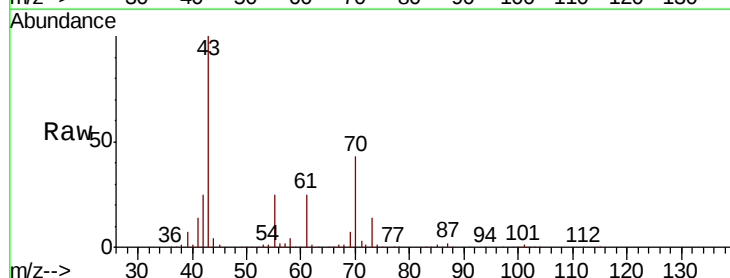
Ion Ratio Lower Upper

43 100

70 43.5 33.8 50.8

55 25.2 20.0 30.0

61 25.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

500000

400000

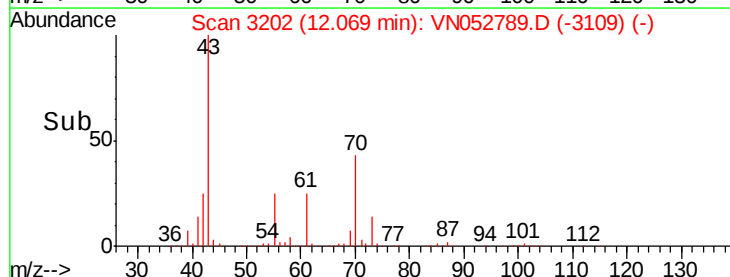
300000

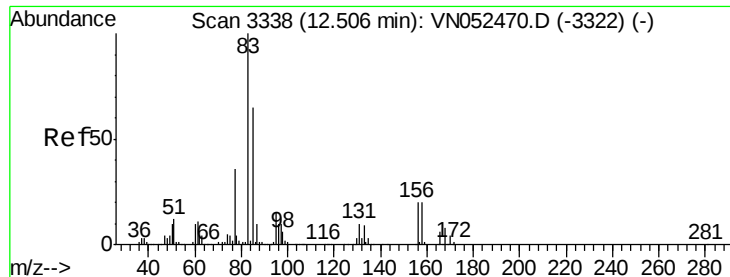
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.079 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

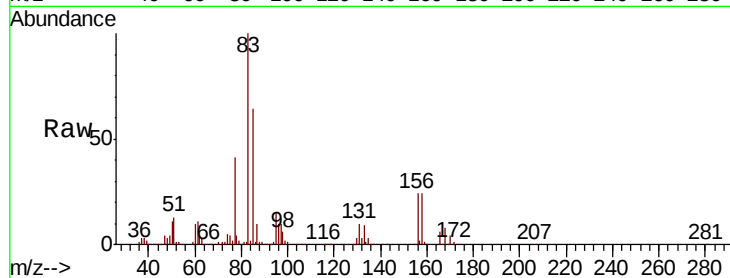
Tot Ion: 83 Resp: 518239

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

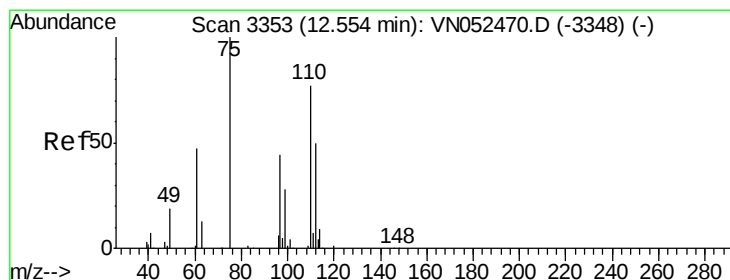
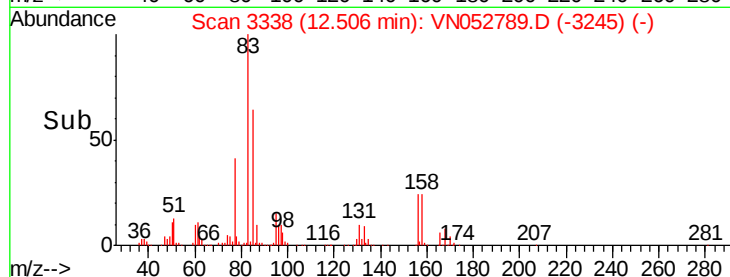
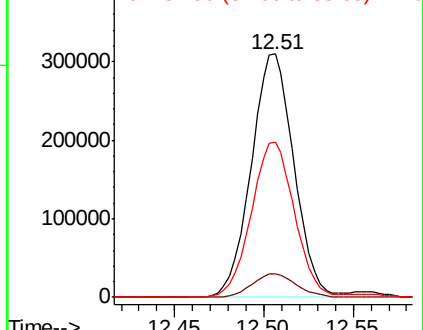
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.636 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052789.D

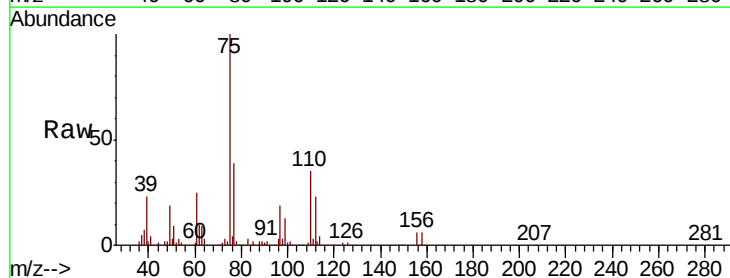
Acq: 11 Dec 2018 8:31

Tgt Ion: 75 Resp: 661908

Ion Ratio Lower Upper

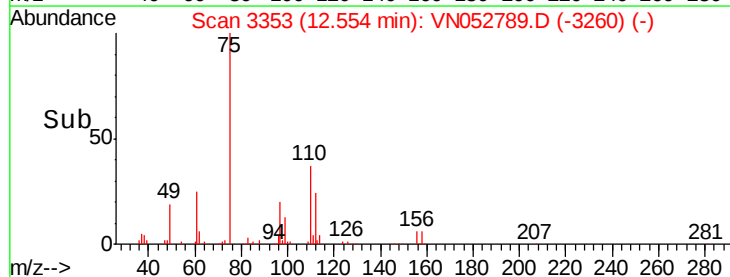
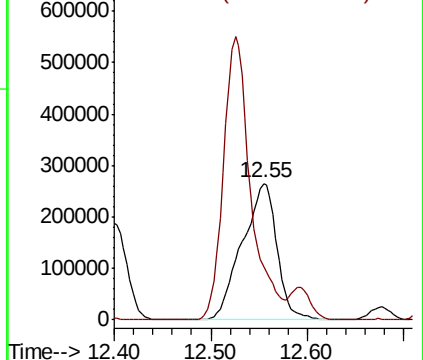
75 100

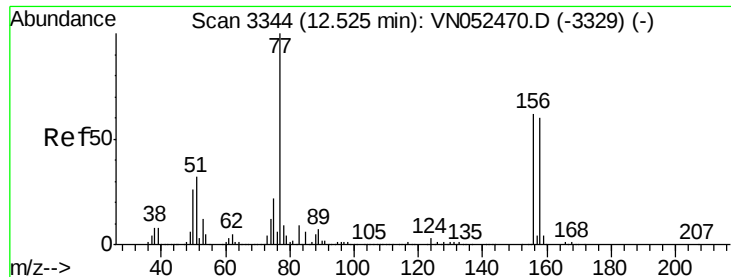
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.675 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

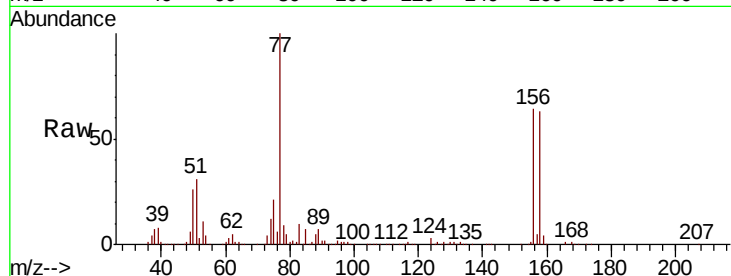
Tot Ion:156 Resp: 595539

Ion Ratio Lower Upper

156 100

77 181.4 93.5 280.4

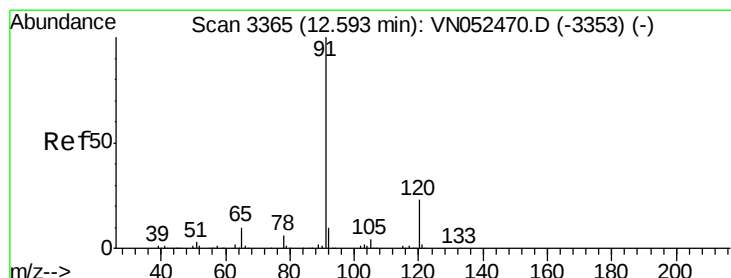
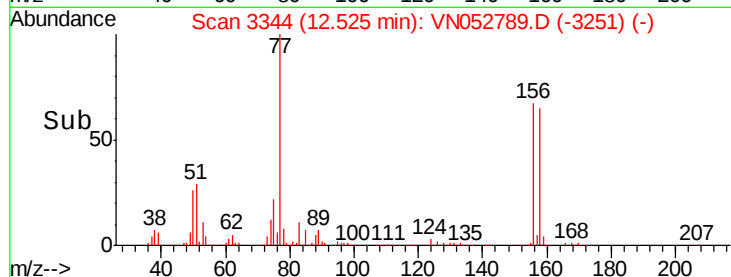
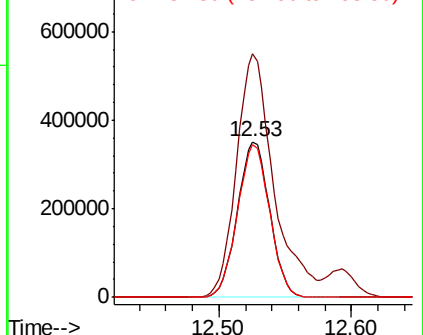
158 97.8 48.3 144.9



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: 46.226 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052789.D

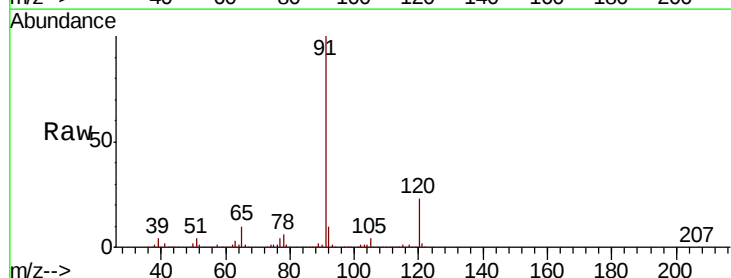
Acq: 11 Dec 2018 8:31

Tgt Ion: 91 Resp: 2653965

Ion Ratio Lower Upper

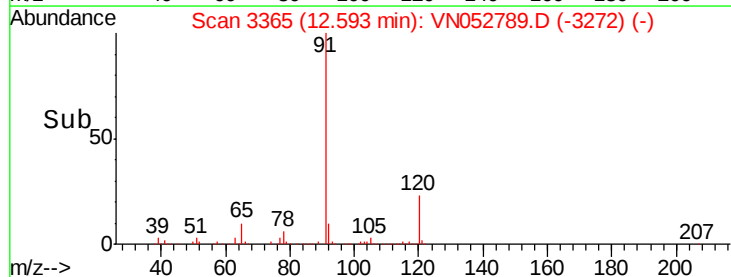
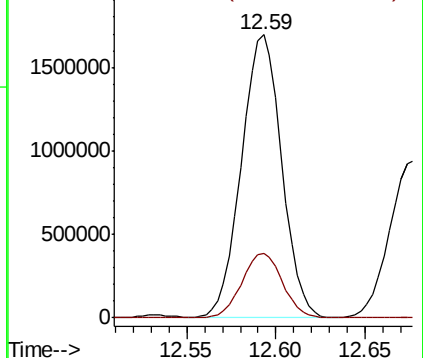
91 100

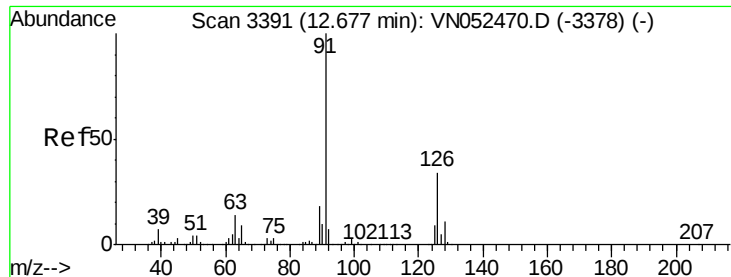
120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

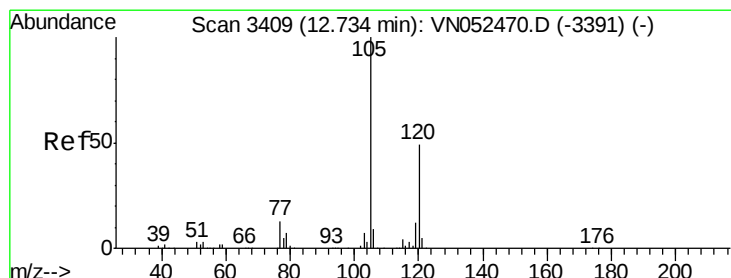
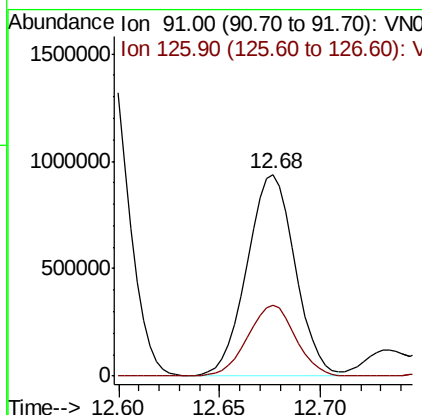
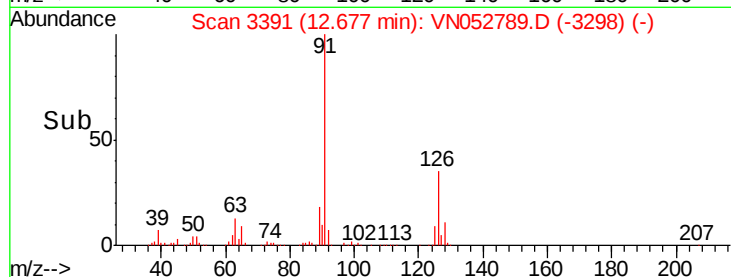
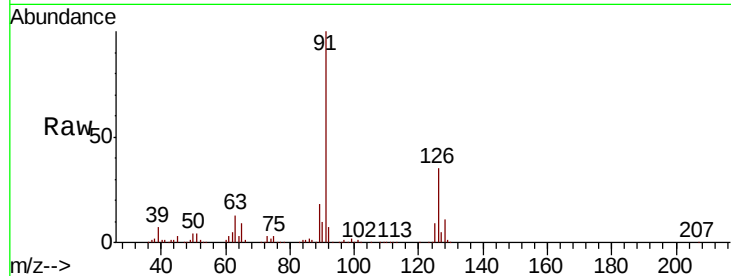




#79
 2-Chlorotoluene
 Concen: 45.569 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

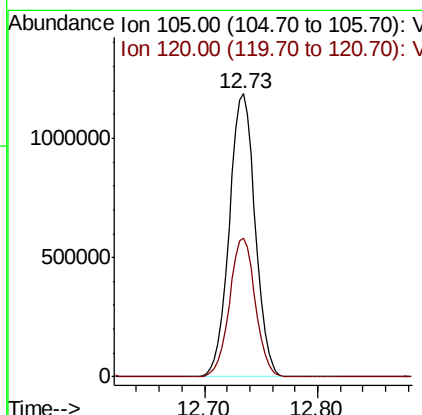
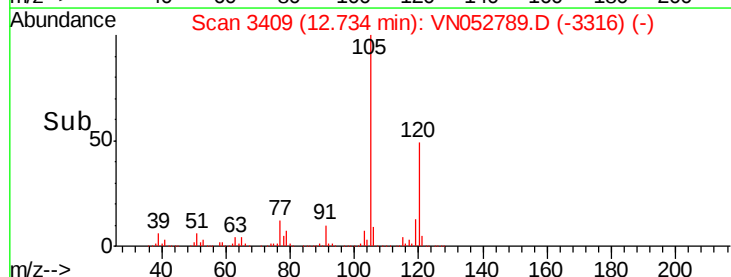
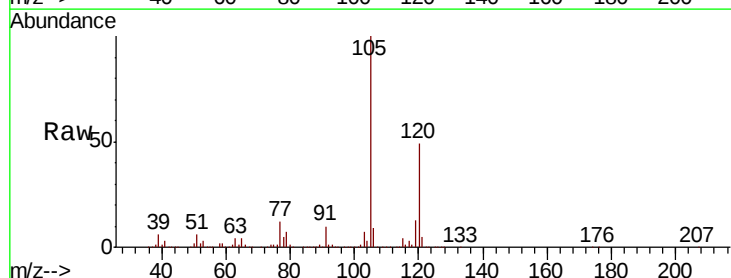
Instrument :
 MSVOA_N
 ClientSampled :

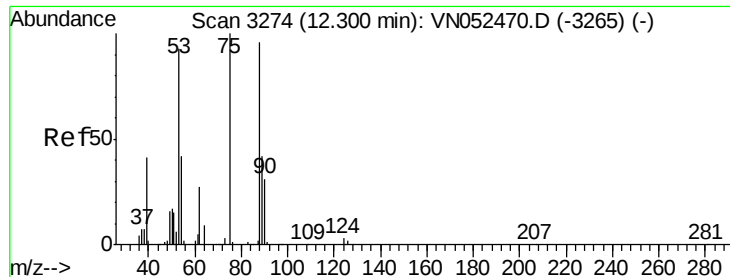
Tot Ion: 91 Resp: 1557986
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 46.702 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 105 Resp: 1882378
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.274 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

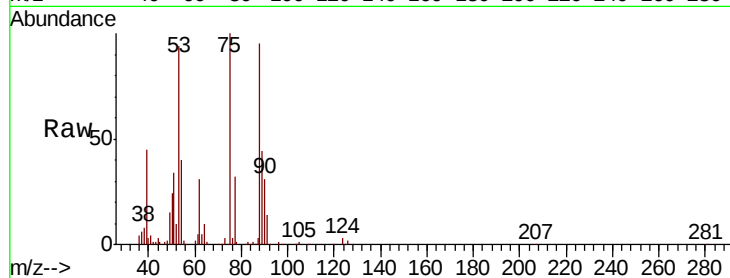
Tot Ion: 75 Resp: 131691

Ion Ratio Lower Upper

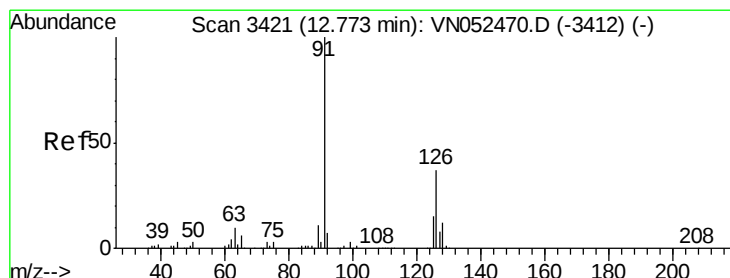
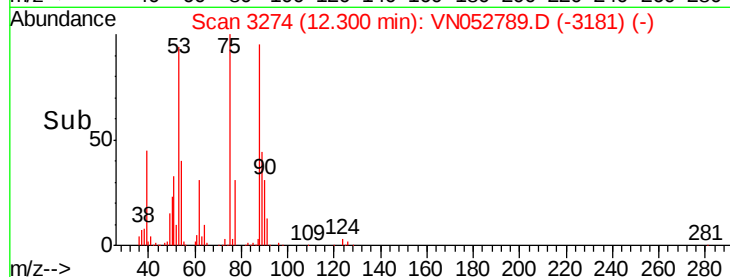
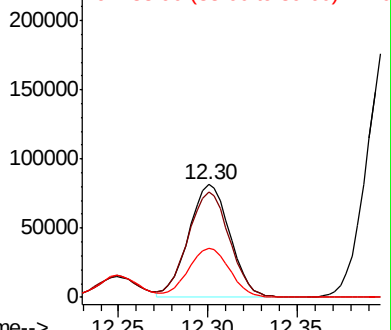
75 100

53 94.5 77.4 116.0

89 43.7 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 46.803 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052789.D

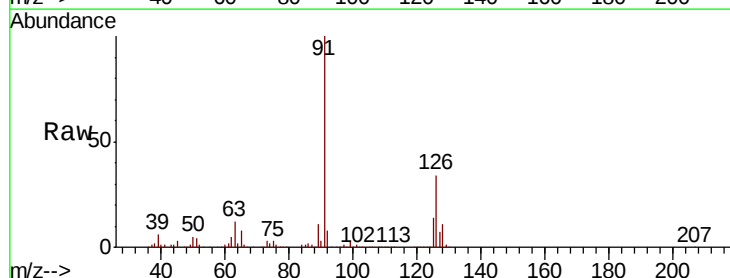
Acq: 11 Dec 2018 8:31

Tgt Ion: 91 Resp: 1612723

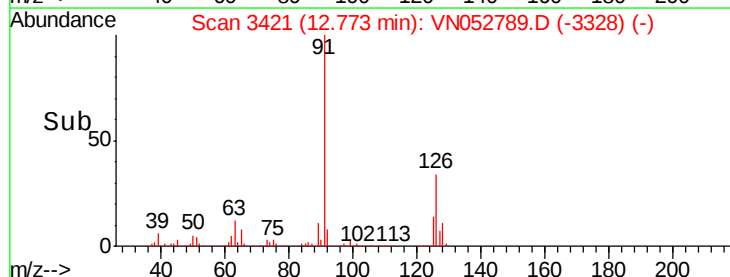
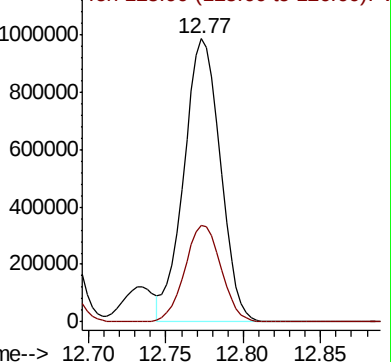
Ion Ratio Lower Upper

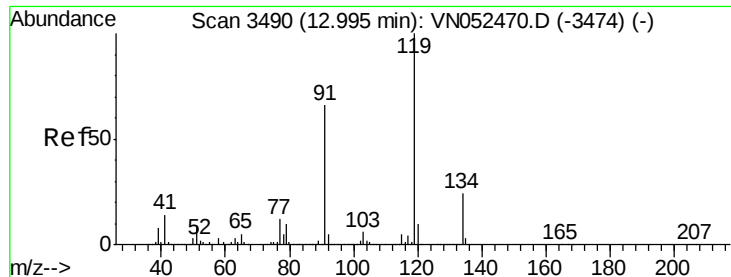
91 100

126 34.1 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

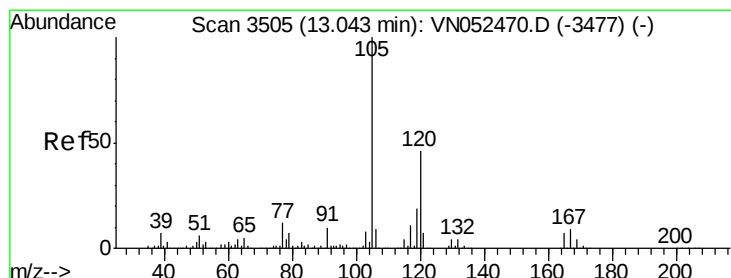
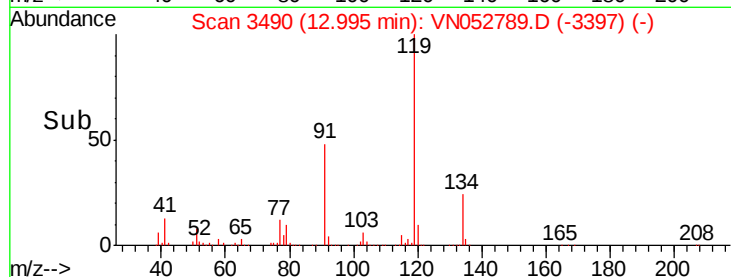
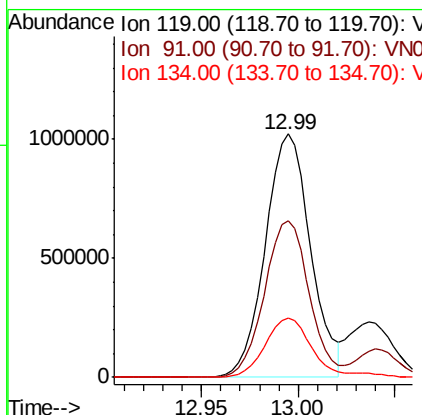
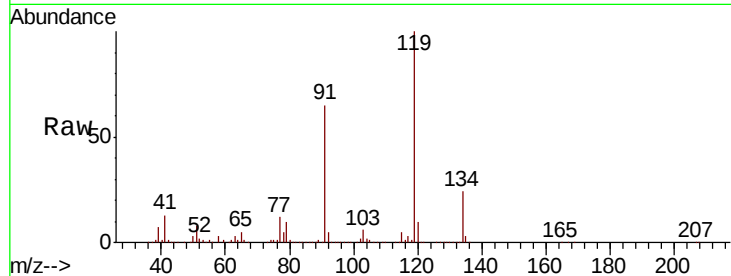




#83
 tert-Butylbenzene
 Concen: 46.496 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

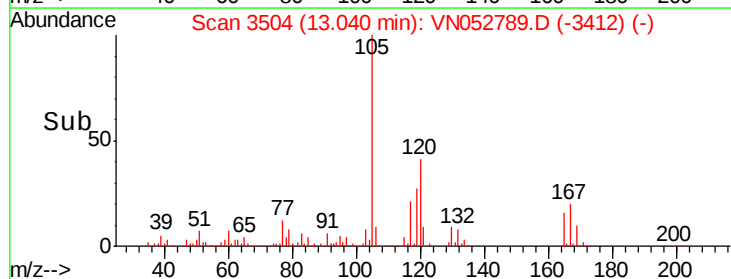
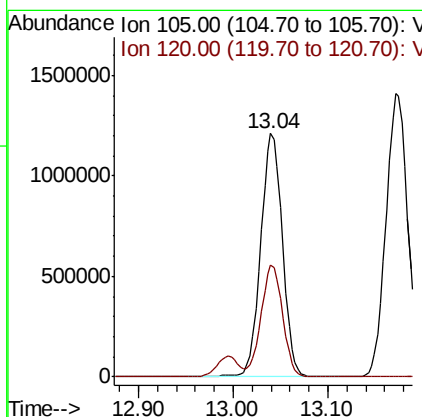
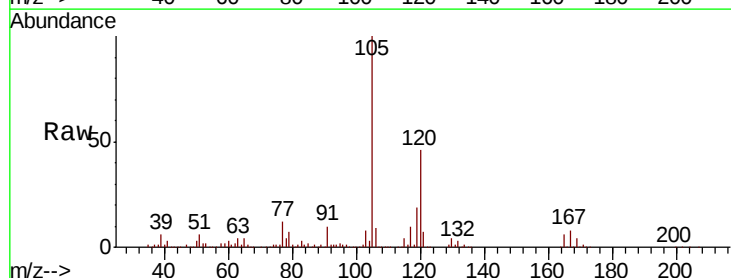
Instrument :
 MSVOA_N
 ClientSampleId :

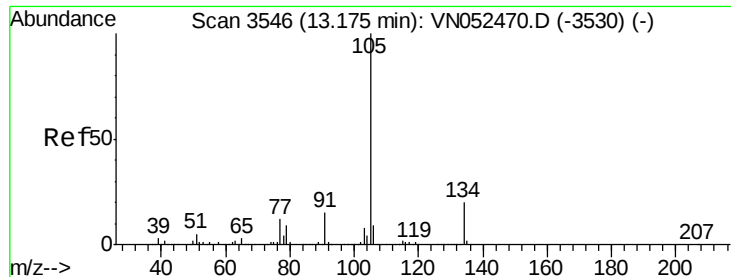
Tot Ion:119 Resp: 1670721
 Ion Ratio Lower Upper
 119 100
 91 63.8 32.3 96.9
 134 25.7 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.579 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion:105 Resp: 1921891
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 46.166 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

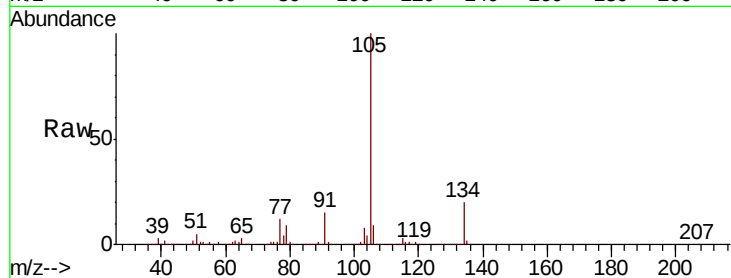
ClientSampleId :

Tot Ion:105 Resp: 2259428

Ion Ratio Lower Upper

105 100

134 20.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

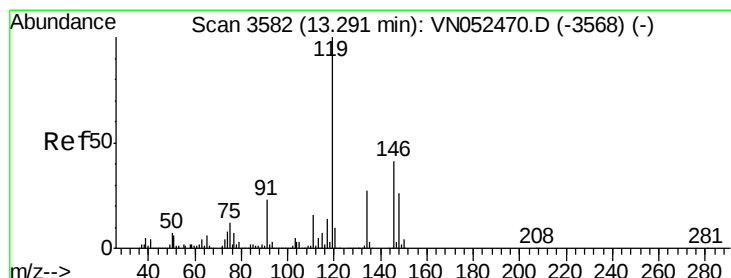
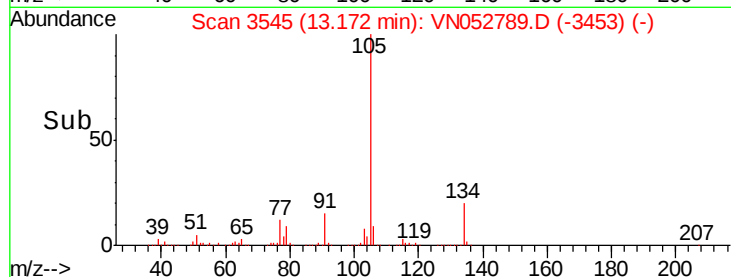
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.109 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

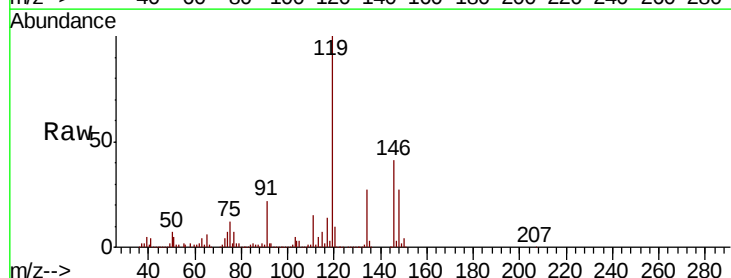
Tgt Ion:119 Resp: 1963771

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.5 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

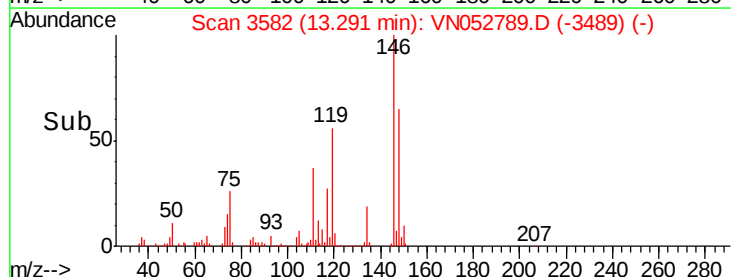
1500000

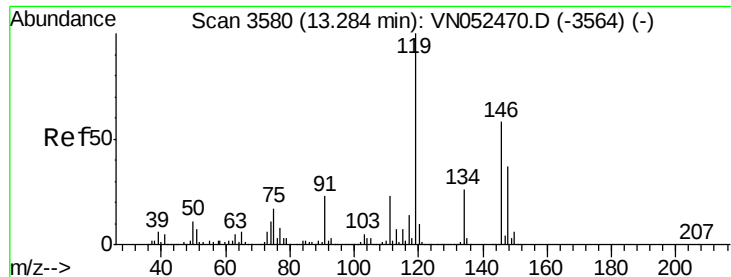
1000000

500000

0

Time-->



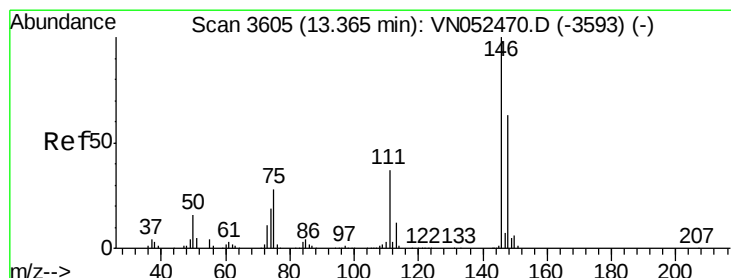
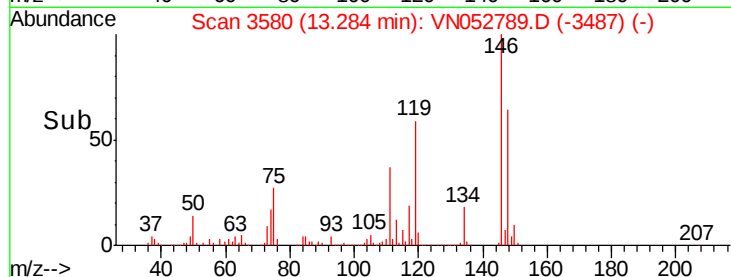
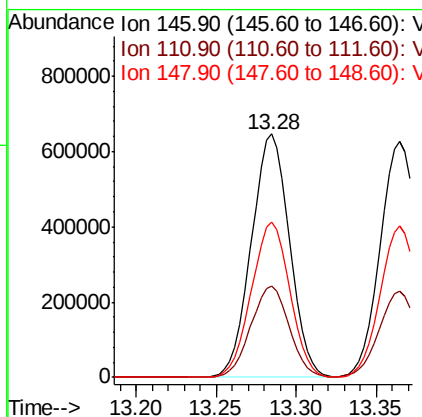
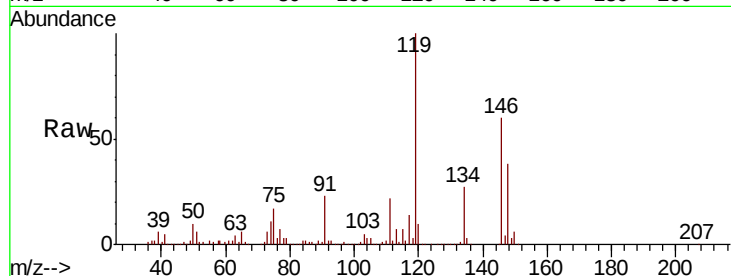


#87
 1,3-Dichlorobenzene
 Concen: 48.416 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1057910

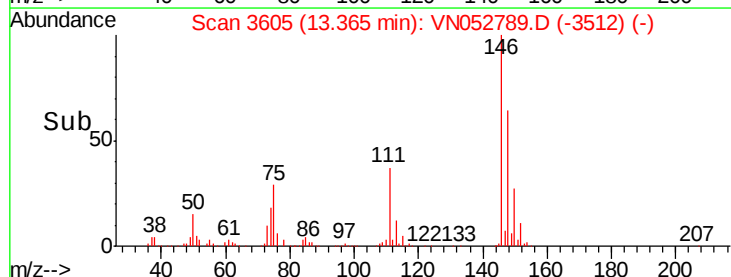
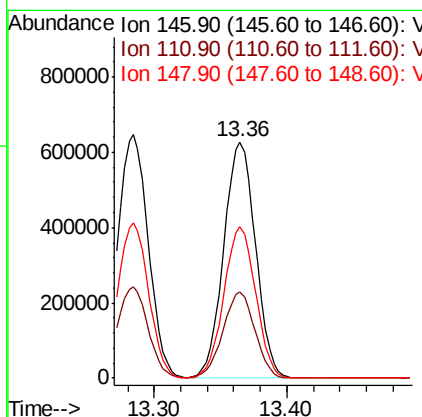
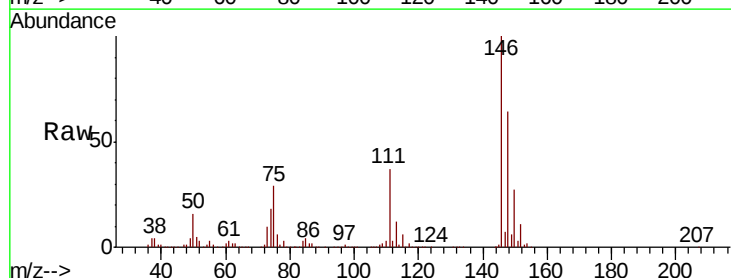
Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.4
148	64.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.435 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion:146 Resp: 1042467

Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	64.0	31.9	95.9





#89

n-Butylbenzene

Concen: 48.018 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

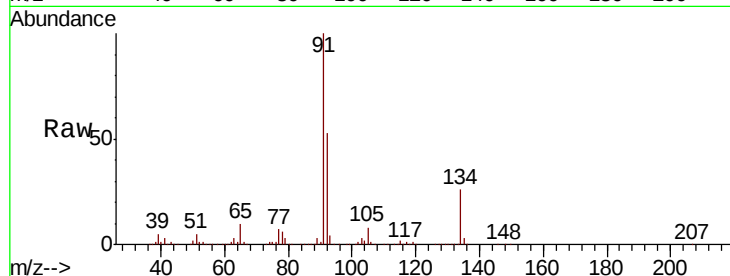
Tot Ion: 91 Resp: 1664679

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.3

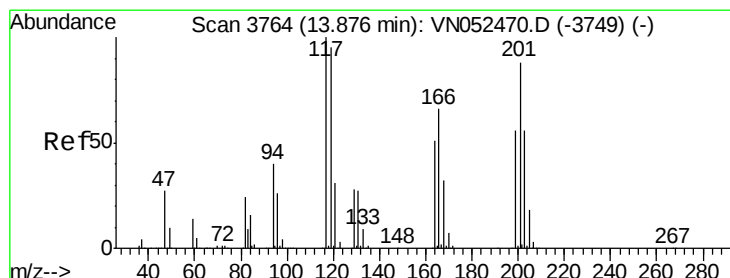
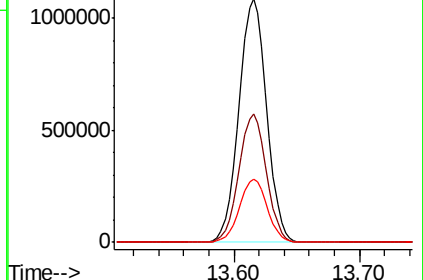
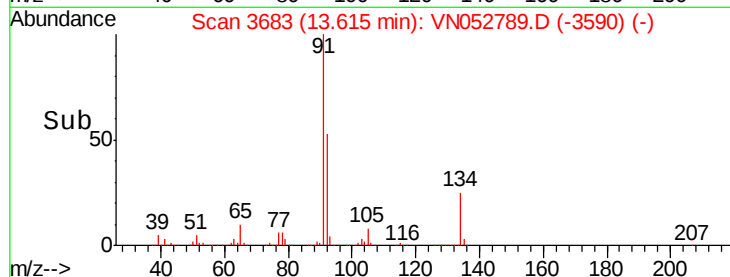
134 26.2 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 45.980 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052789.D

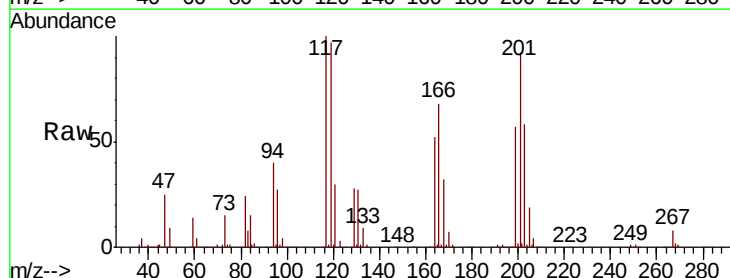
Acq: 11 Dec 2018 8:31

Tgt Ion: 117 Resp: 324541

Ion Ratio Lower Upper

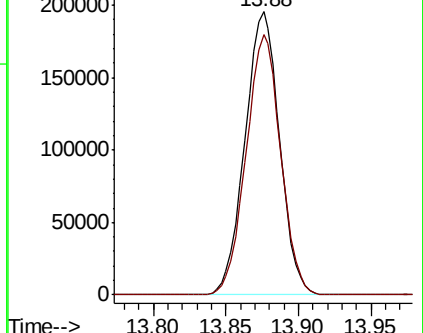
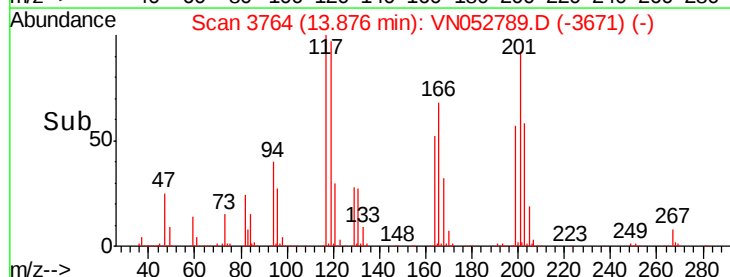
117 100

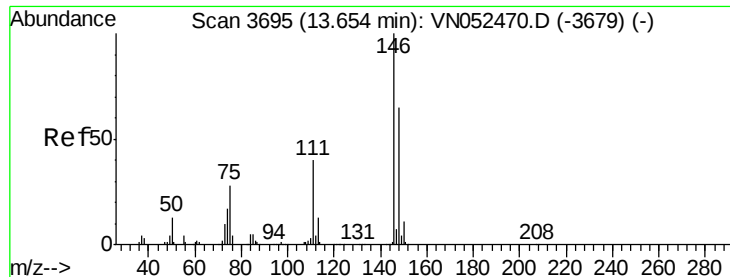
201 91.7 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

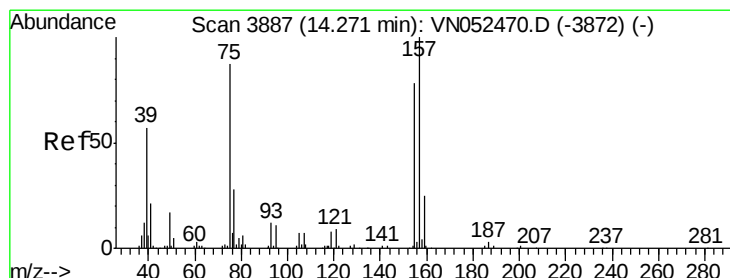
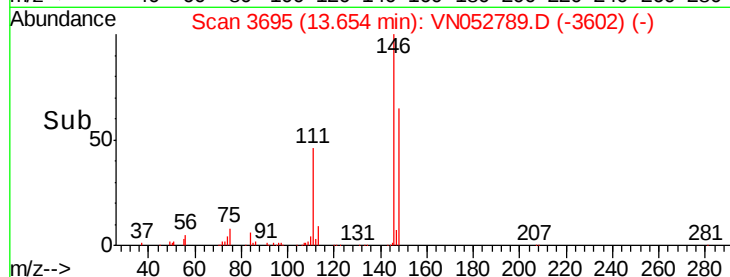
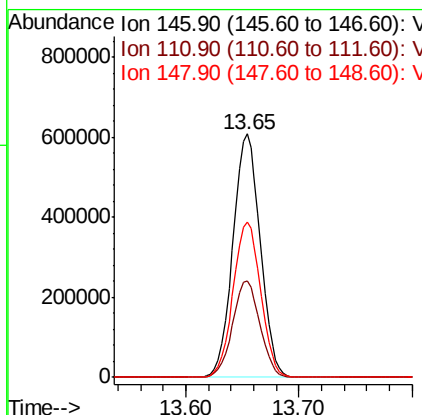
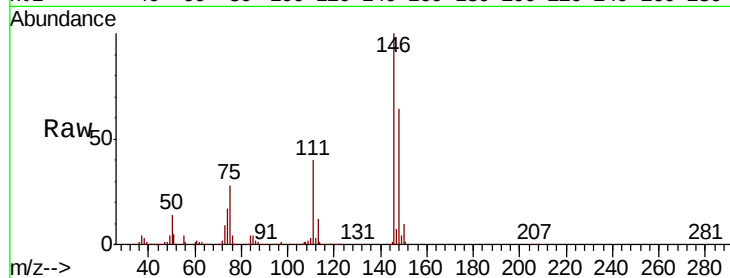




#91
 1,2-Dichlorobenzene
 Concen: 48.921 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

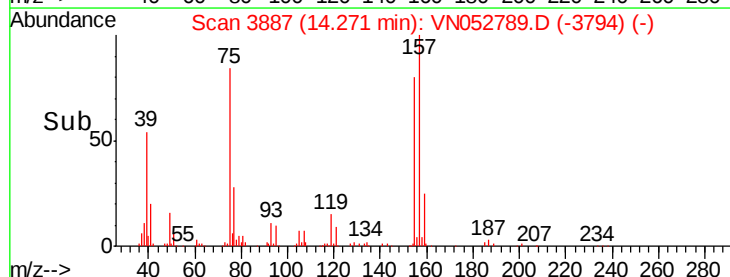
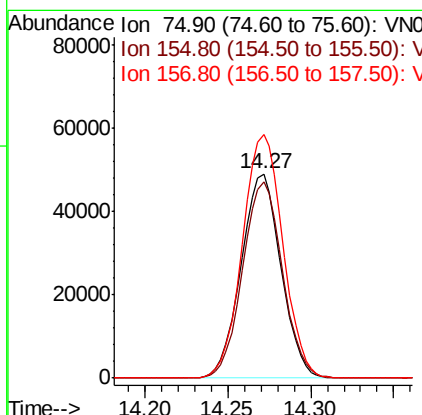
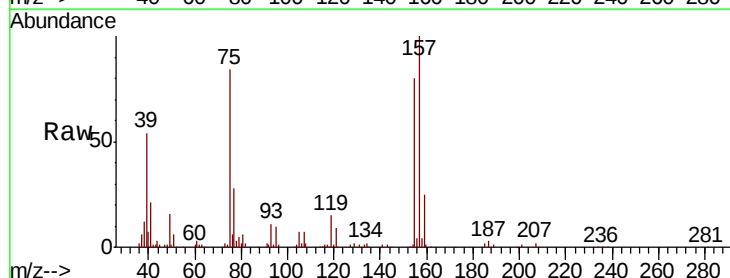
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 1021264
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.885 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion: 75 Resp: 82022
 Ion Ratio Lower Upper
 75 100
 155 95.7 45.3 135.9
 157 121.0 58.1 174.2

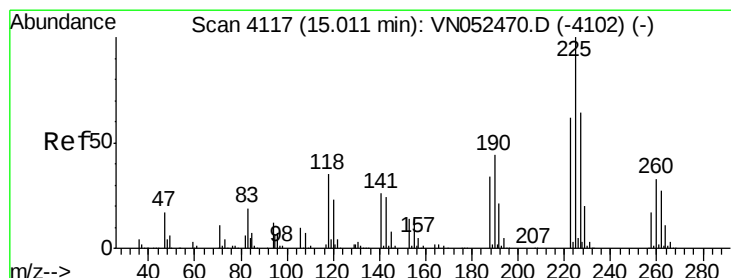
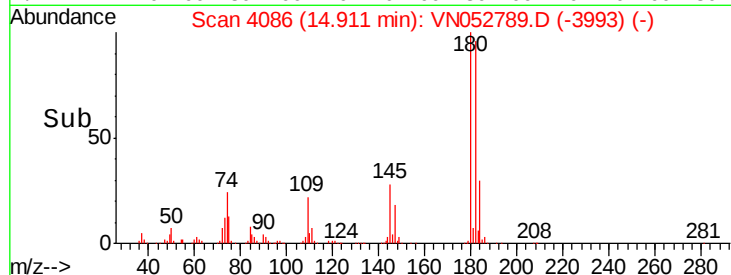
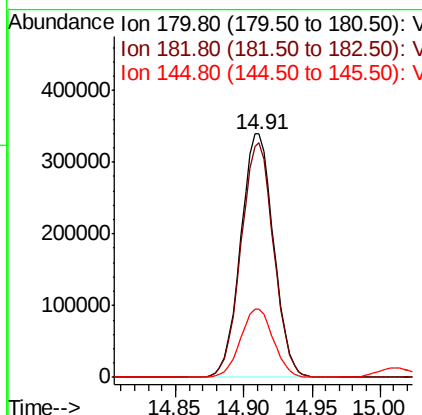
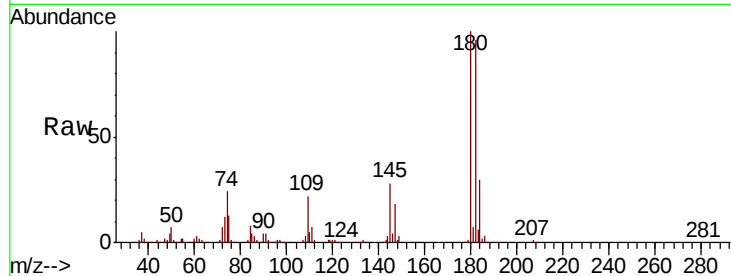




#93
 1,2,4-Trichlorobenzene
 Concen: 49.706 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

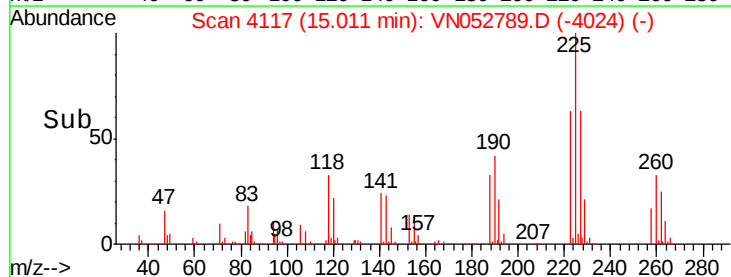
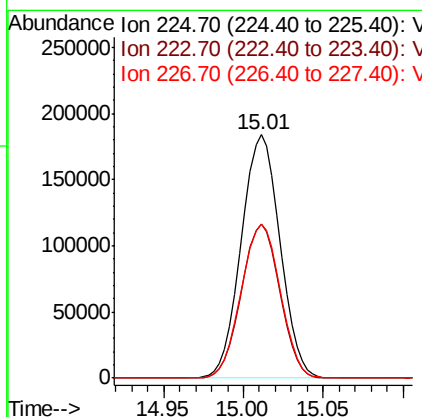
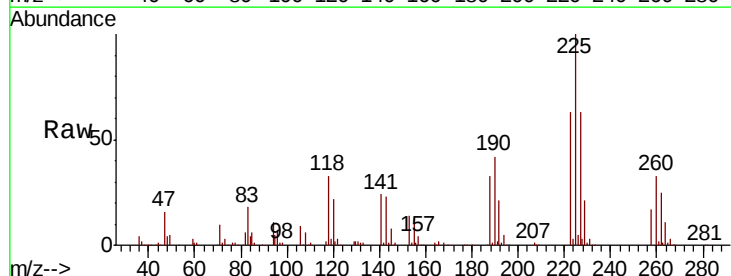
Instrument :
 MSVOA_N
 ClientSampled :

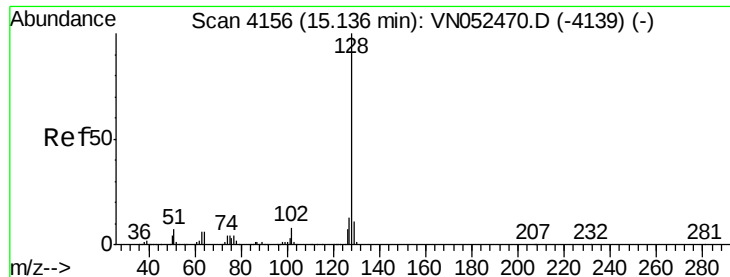
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	28.2	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 45.222 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052789.D
 Acq: 11 Dec 2018 8:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	64.0	32.5	97.4





#95

Naphthalene

Concen: 49.810 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

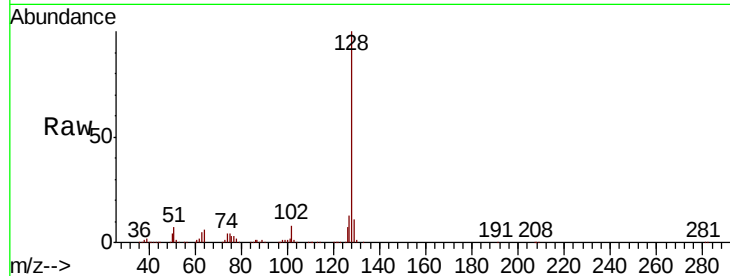
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1207666

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.7	13.1

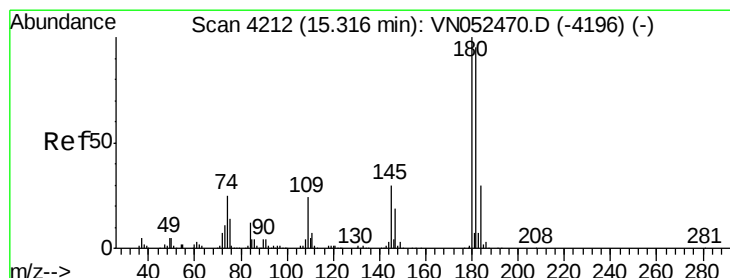
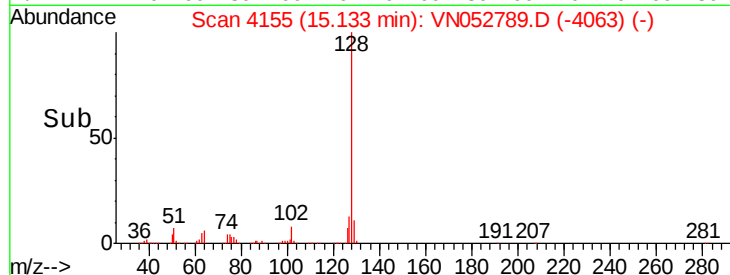
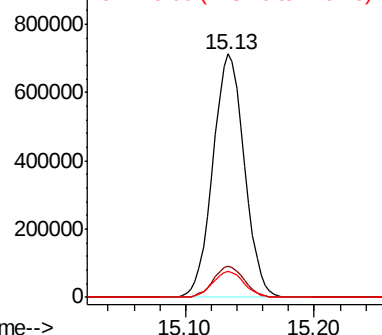


Abundance

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: 49.873 ug/l

RT: 15.32 min Scan# 4212

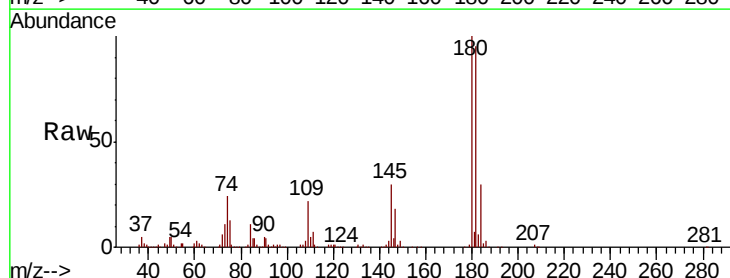
Delta R.T. 0.00 min

Lab File: VN052789.D

Acq: 11 Dec 2018 8:31

Tgt Ion:180 Resp: 524316

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	29.9	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

