

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
 Data File : VN052059.D
 Acq On : 30 Oct 2018 11:12
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 02:26:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	277483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	422927	96.83	ug/l	0.00
Spiked Amount			Recovery	=	193.66%	
35) Dibromofluoromethane	7.59	113	328019	102.24	ug/l	0.00
Spiked Amount			Recovery	=	204.48%	
50) Toluene-d8	10.09	98	1327134	101.70	ug/l	0.00
Spiked Amount			Recovery	=	203.40%	
62) 4-Bromofluorobenzene	12.40	95	498536	102.95	ug/l	0.00
Spiked Amount			Recovery	=	205.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	361983	113.087	ug/l	98
3) Chloromethane	2.06	50	428905	106.772	ug/l	99
4) Vinyl Chloride	2.19	62	436954	98.345	ug/l	97
5) Bromomethane	2.56	94	304815	85.041	ug/l	94
6) Chloroethane	2.71	64	275714	95.711	ug/l	94
7) Trichlorofluoromethane	3.02	101	516100	102.991	ug/l	98
8) Diethyl Ether	3.41	74	191411	102.646	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	302036	105.741	ug/l	99
10) Methyl Iodide	3.96	142	419644	102.417	ug/l	99
11) Tert butyl alcohol	4.78	59	104978	529.814	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	290535	106.952	ug/l	96
13) Acrolein	3.61	56	119767	563.534	ug/l	94
14) Allyl chloride	4.33	41	594440	107.289	ug/l	99
15) Acrylonitrile	4.99	53	634780	537.220	ug/l	99
16) Acetone	3.82	43	446540	458.576	ug/l	99
17) Carbon Disulfide	4.06	76	944160	106.779	ug/l	100
18) Methyl Acetate	4.32	43	275062	90.919	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	969173	106.694	ug/l	97
20) Methylene Chloride	4.55	84	361830	108.031	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	335435	108.818	ug/l	94
22) Diisopropyl ether	5.95	45	1235342	99.894	ug/l	96
23) Vinyl Acetate	5.90	43	4488709	548.752	ug/l	99
24) 1,1-Dichloroethane	5.85	63	699550	102.737	ug/l	99
25) 2-Butanone	6.83	43	739332	537.652	ug/l	96
26) 2,2-Dichloropropane	6.83	77	564230	101.511	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	400270	104.766	ug/l	99
28) Bromochloromethane	7.20	49	319482	85.688	ug/l	94
29) Tetrahydrofuran	7.21	42	494713	504.247	ug/l	97
30) Chloroform	7.37	83	702592	101.100	ug/l	97
31) Cyclohexane	7.66	56	649097	60.074	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	597692	113.163	ug/l	99
36) 1,1-Dichloropropene	7.80	75	540125	101.614	ug/l	98
37) Ethyl Acetate	6.93	43	340865	107.566	ug/l	98
38) Carbon Tetrachloride	7.77	117	504786	114.368	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	650471	102.527	ug/l	99
40) Benzene	8.04	78	1568325	104.320	ug/l	98
41) Methacrylonitrile	7.21	41	489281	402.296	ug/l #	23
42) 1,2-Dichloroethane	8.13	62	544681	91.272	ug/l	100
43) Isopropyl Acetate	8.16	43	640102	104.343	ug/l	98
44) Trichloroethene	8.83	130	364340	110.079	ug/l	96
45) 1,2-Dichloropropane	9.12	63	425928	93.620	ug/l	98
46) Dibromomethane	9.21	93	258022	111.143	ug/l	97
47) Bromodichloromethane	9.40	83	546318	112.723	ug/l	98
48) Methyl methacrylate	9.20	41	325918	105.112	ug/l	99
49) 1,4-Dioxane	9.20	88	52208	3391.873	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1748396	525.740	ug/l	100
52) Toluene	10.16	92	987850	109.434	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	591036	113.896	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	658426	117.025	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	339719	105.198	ug/l	98
56) Ethyl methacrylate	10.43	69	503622	106.588	ug/l	97
57) 1,3-Dichloropropane	10.71	76	617568	103.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1308021	540.363	ug/l	99
59) 2-Hexanone	10.75	43	1215323	508.845	ug/l	98
60) Dibromochloromethane	10.90	129	370363	120.627	ug/l	98
61) 1,2-Dibromoethane	11.00	107	352559	109.996	ug/l	100
64) Tetrachloroethene	10.63	164	296412	103.535	ug/l	98
65) Chlorobenzene	11.43	112	1063878	104.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	353990	113.623	ug/l	99
67) Ethyl Benzene	11.51	91	1914733	107.025	ug/l	99
68) m/p-Xylenes	11.62	106	1421131	228.866	ug/l	99
69) o-Xylene	11.95	106	692179	114.277	ug/l	99
70) Styrene	11.96	104	1142312	114.382	ug/l	99
71) Bromoform	12.13	173	216711	130.696	ug/l #	99
73) Isopropylbenzene	12.25	105	1875789	107.204	ug/l	100
74) N-amyl acetate	12.07	43	626592	94.232	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	433005	98.178	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	581454	154.644	ug/l #	100
77) Bromobenzene	12.53	156	389816	102.760	ug/l	96
78) n-propylbenzene	12.59	91	2263999	102.943	ug/l	100
79) 2-Chlorotoluene	12.67	91	1307296	105.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1531247	105.313	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140400	121.849	ug/l	92
82) 4-Chlorotoluene	12.77	91	1364669	109.194	ug/l	100
83) tert-Butylbenzene	12.99	119	1269250	102.581	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1516389	106.680	ug/l	99
85) sec-Butylbenzene	13.17	105	1833901	104.783	ug/l	100
86) p-Isopropyltoluene	13.29	119	1505098	106.026	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	706676	101.909	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	707507	100.243	ug/l	99
89) n-Butylbenzene	13.61	91	1433300	104.506	ug/l	98
90) Hexachloroethane	13.87	117	267140	107.954	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	664934	104.609	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64883	160.909	ug/l	98

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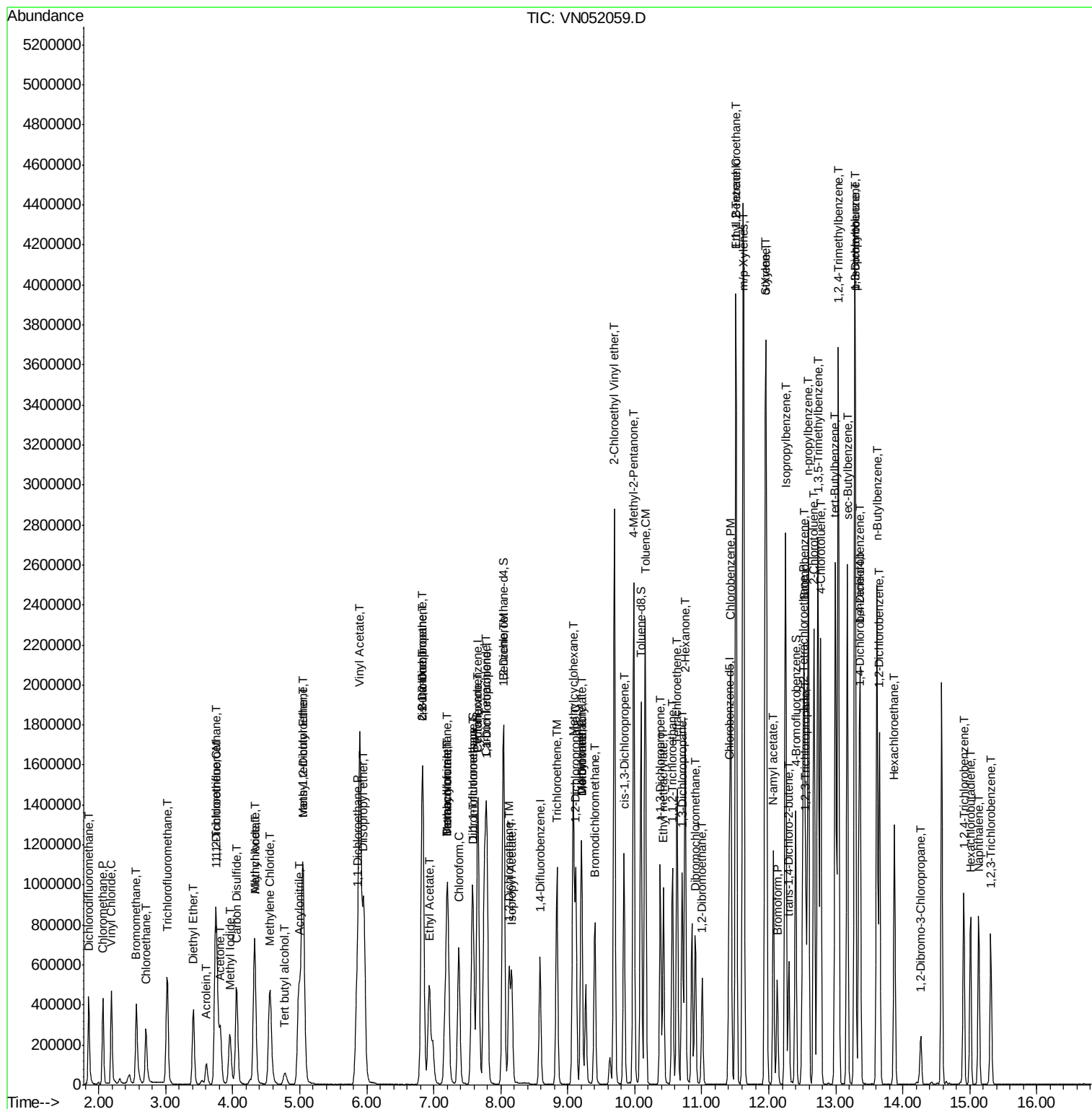
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267615	116.614	ug/l	99
94) Hexachlorobutadiene	15.01	225	134908	100.375	ug/l	96
95) Naphthalene	15.13	128	678011	111.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	224613	107.785	ug/l	96

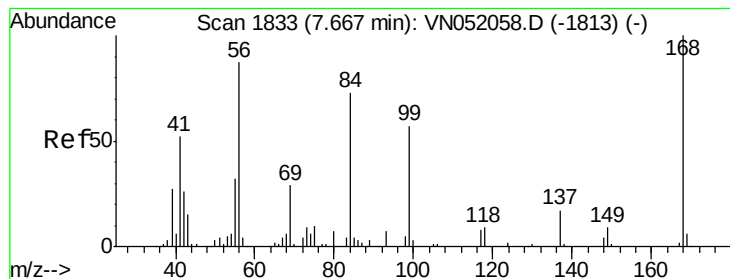
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

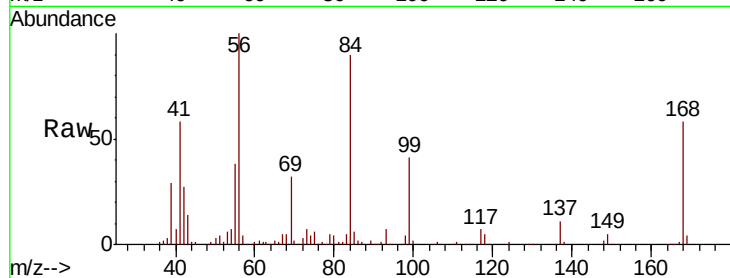
ClientSampled :

Tgt Ion:168 Resp: 277483

Ion Ratio Lower Upper

168 100

99 70.5 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052059.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052059.D (-1740) (-)

150000

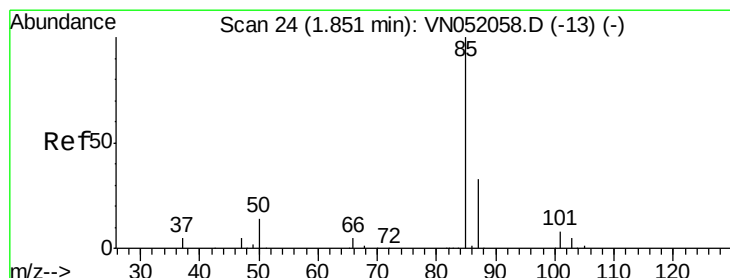
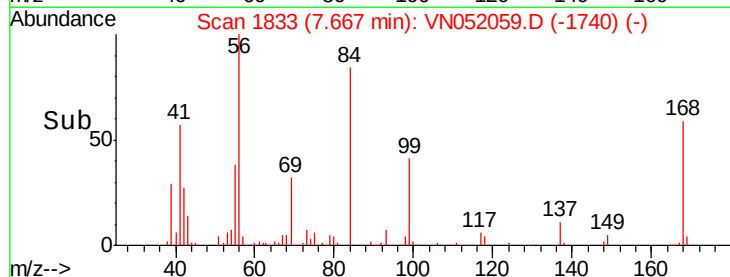
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 113.087 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052059.D

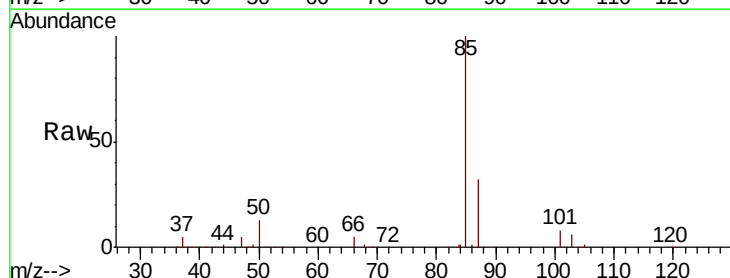
Acq: 30 Oct 2018 11:12

Tgt Ion: 85 Resp: 361983

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052059.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN052059.D (-1) (-)

250000

200000

150000

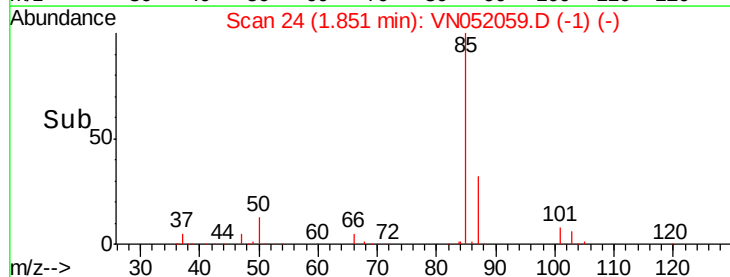
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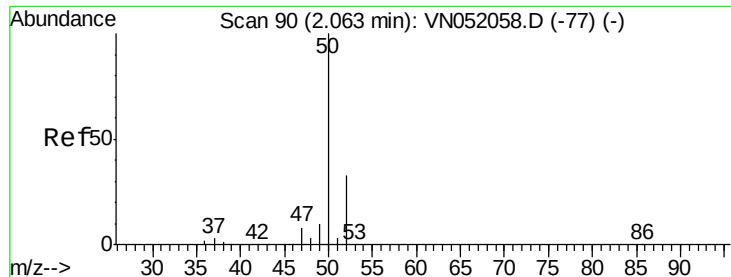
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 106.772 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

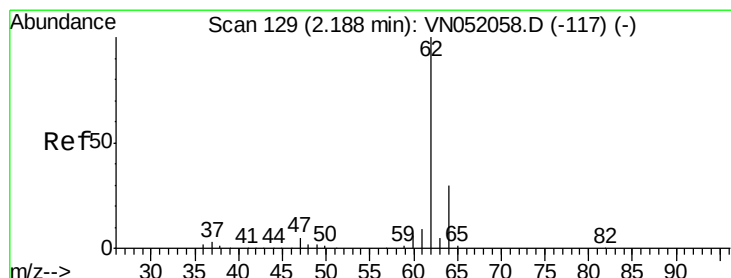
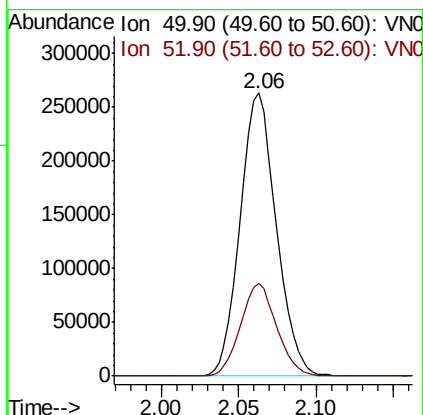
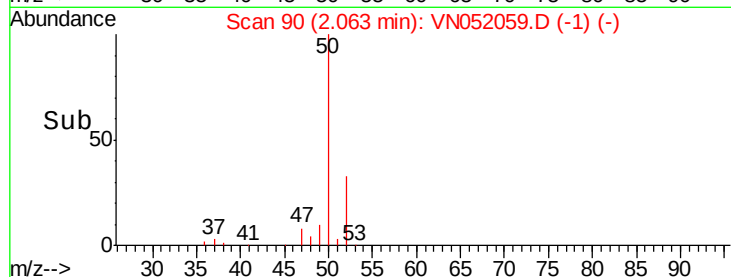
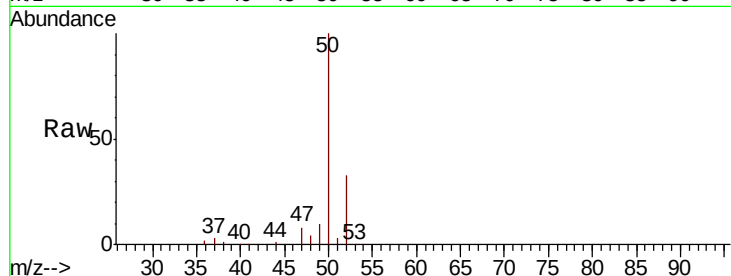
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 50 Resp: 428905

Ion Ratio Lower Upper

50 100

52 32.9 26.6 39.8



#4

Vinyl Chloride

Concen: 98.345 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052059.D

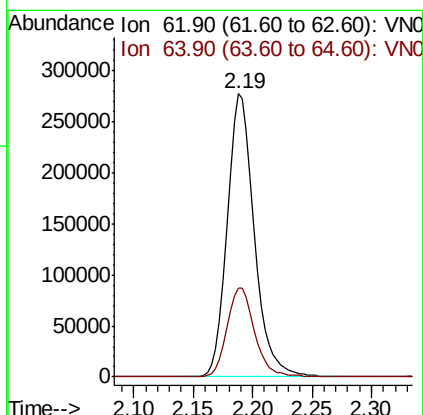
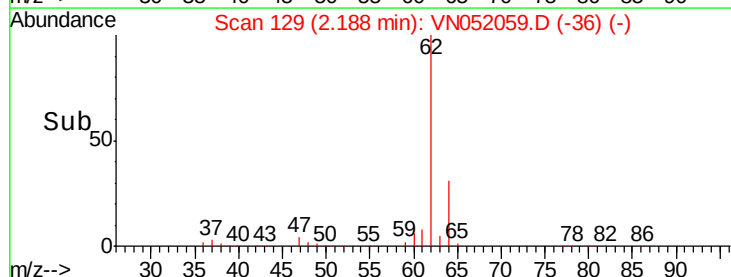
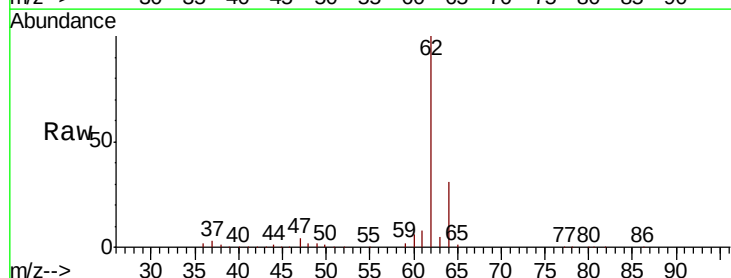
Acq: 30 Oct 2018 11:12

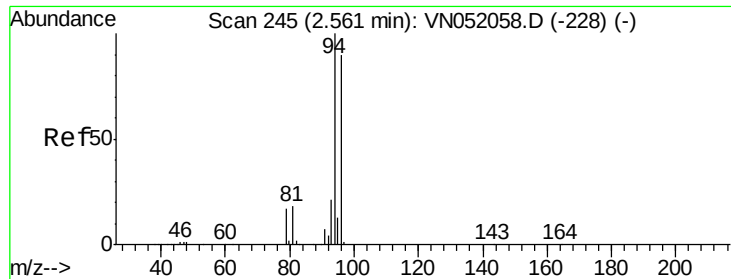
Tgt Ion: 62 Resp: 436954

Ion Ratio Lower Upper

62 100

64 31.4 23.7 35.5

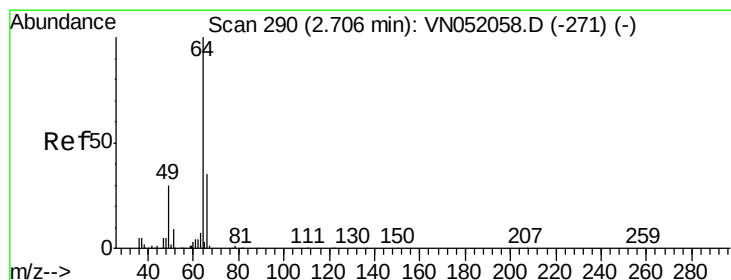
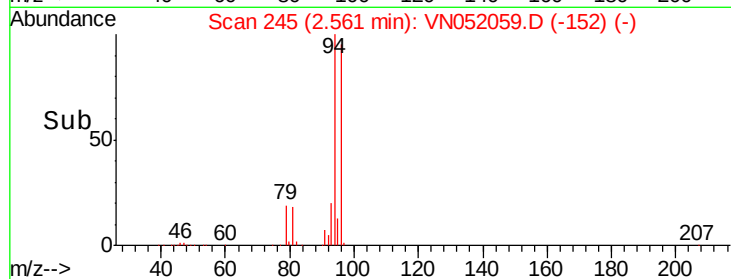
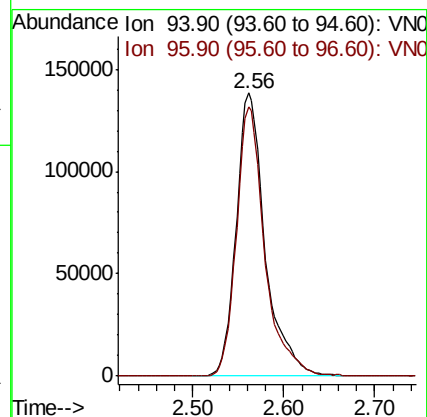
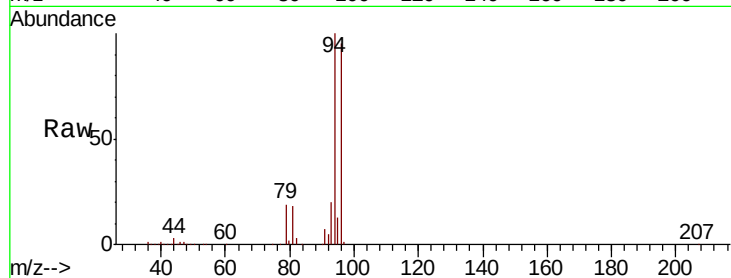




#5
Bromomethane
Concen: 85.041 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

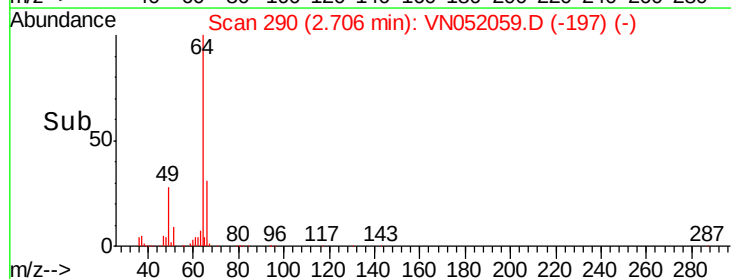
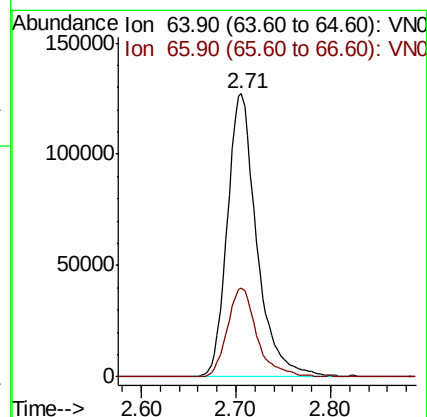
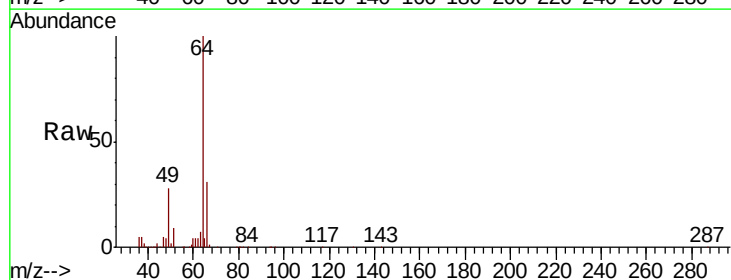
Instrument :
MSVOA_N
ClientSampled :

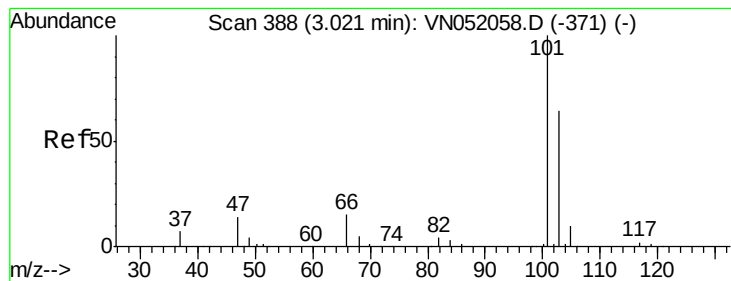
Tgt Ion: 94 Resp: 304815
Ion Ratio Lower Upper
94 100
96 95.3 71.8 107.6



#6
Chloroethane
Concen: 95.711 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 64 Resp: 275714
Ion Ratio Lower Upper
64 100
66 31.1 27.9 41.9



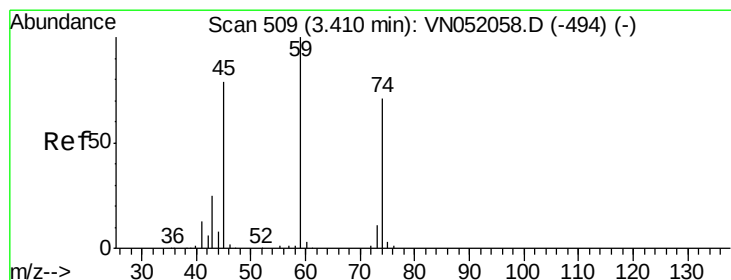
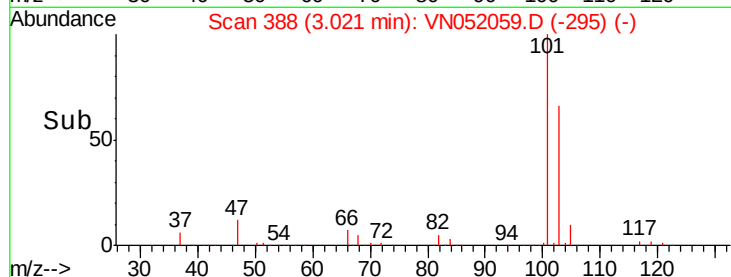
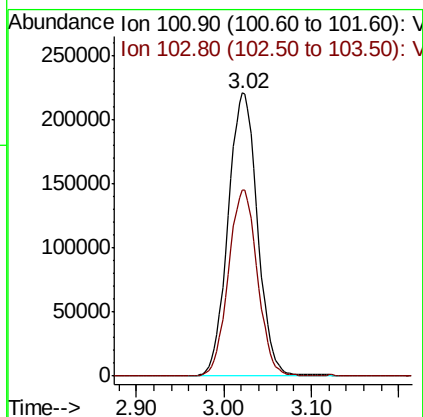
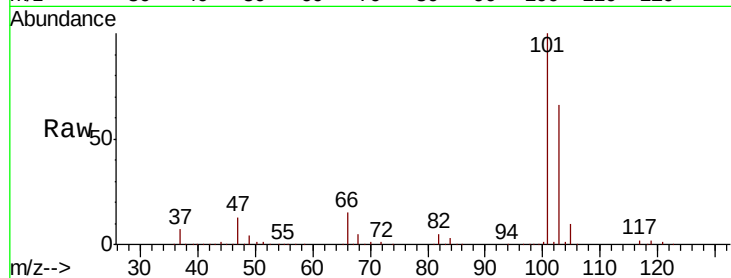


#7

Trichlorofluoromethane
Concen: 102.991 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :

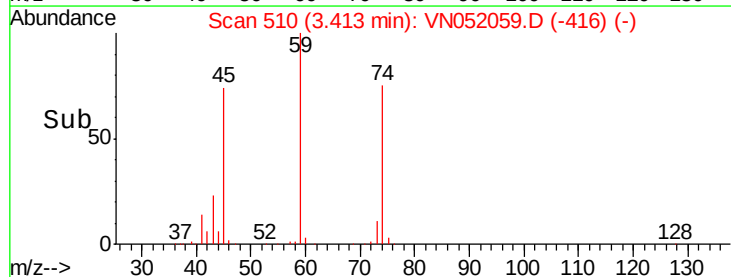
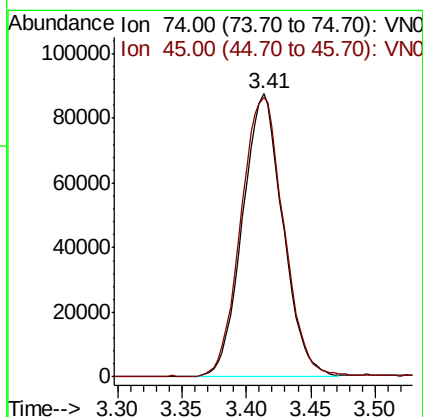
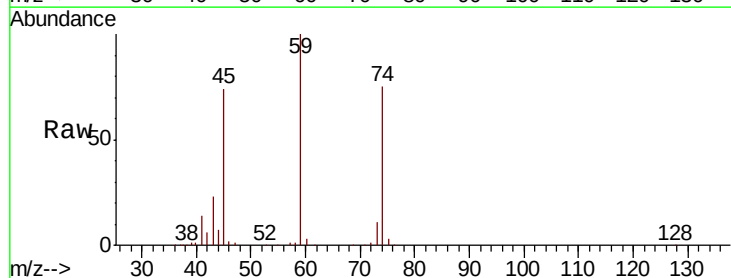
Tgt Ion:101 Resp: 516100
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.4

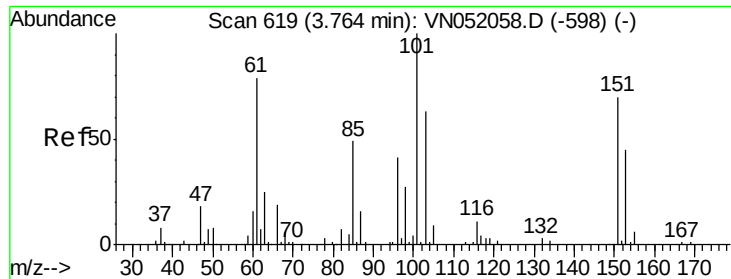


#8

Diethyl Ether
Concen: 102.646 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 74 Resp: 191411
Ion Ratio Lower Upper
74 100
45 104.5 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.741 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

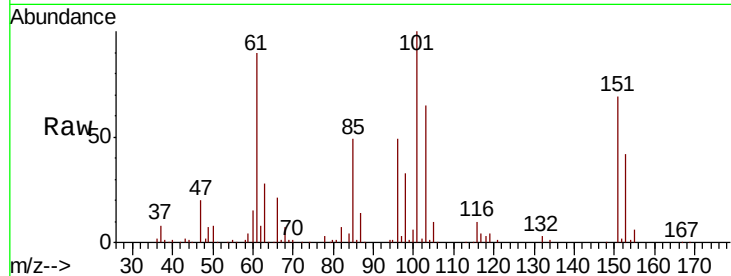
Tgt Ion:101 Resp: 302036

Ion Ratio Lower Upper

101 100

85 48.1 38.6 58.0

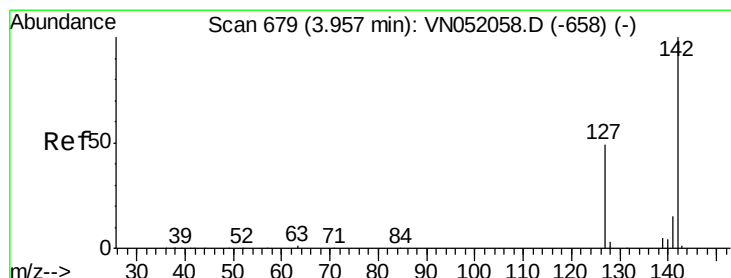
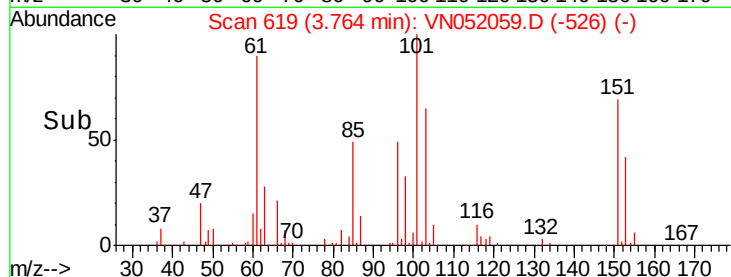
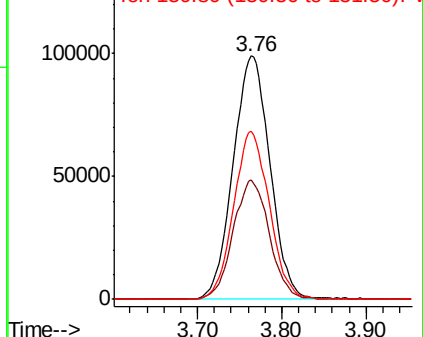
151 66.8 52.6 78.8



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: 102.417 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

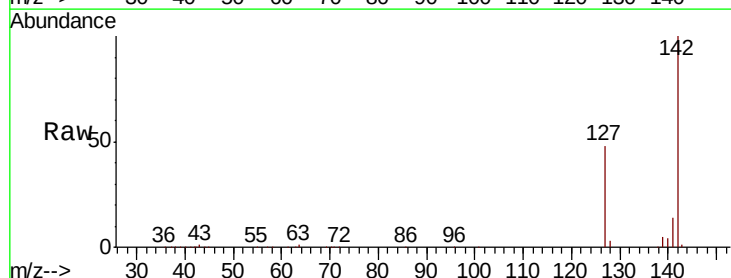
Tgt Ion:142 Resp: 419644

Ion Ratio Lower Upper

142 100

127 47.3 37.3 55.9

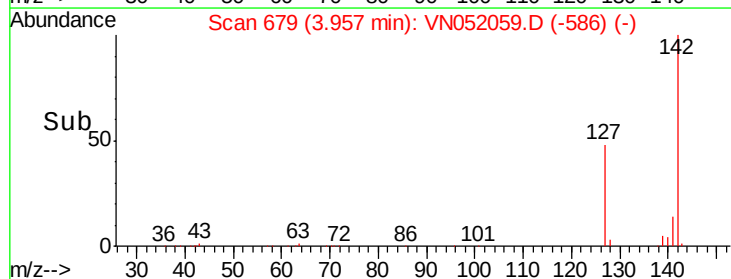
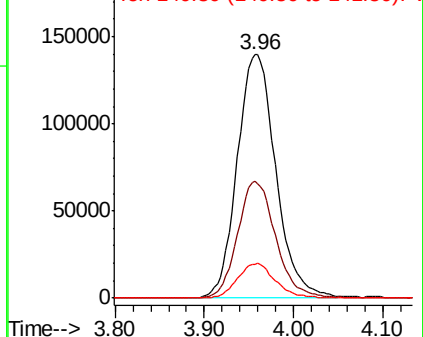
141 14.1 11.4 17.2

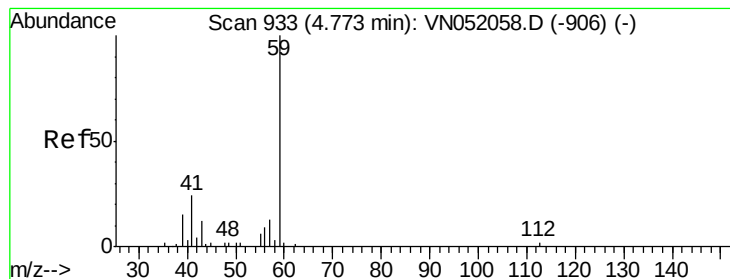


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



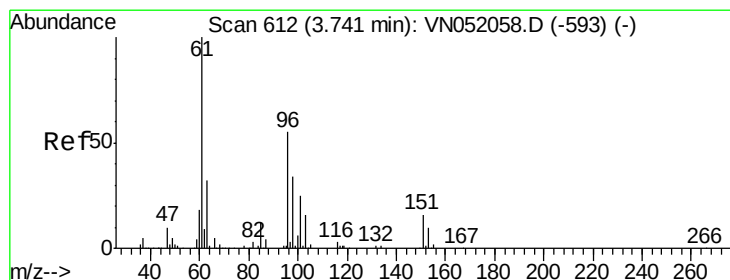
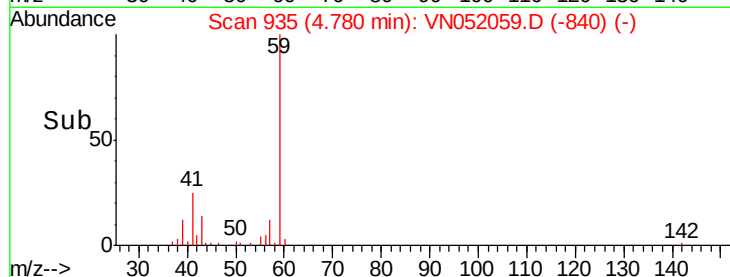
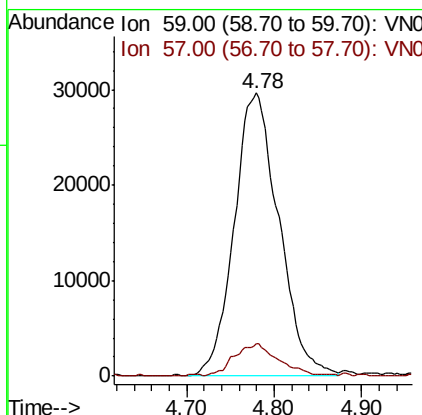
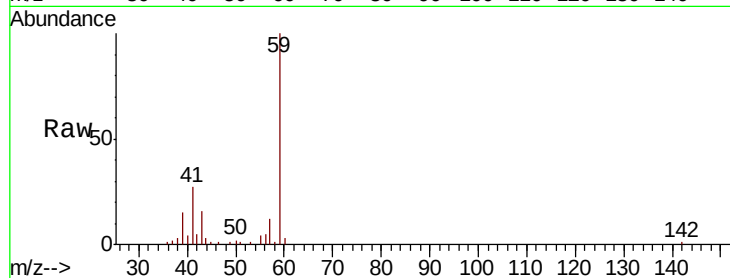


#11

Tert butyl alcohol
 Concen: 529.814 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :

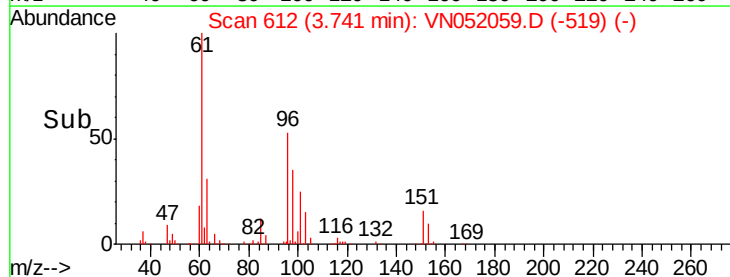
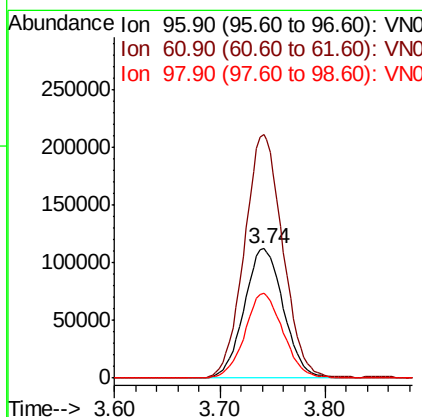
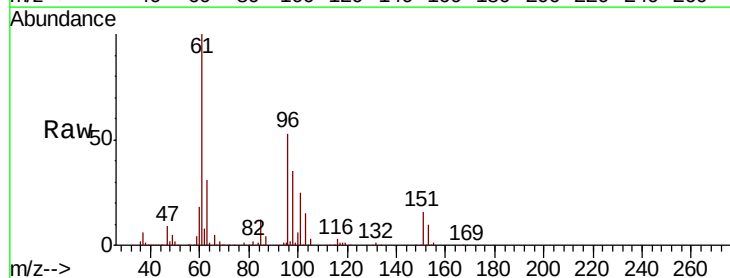
Tgt Ion: 59 Resp: 104978
 Ion Ratio Lower Upper
 59 100
 57 11.4 7.0 10.6#

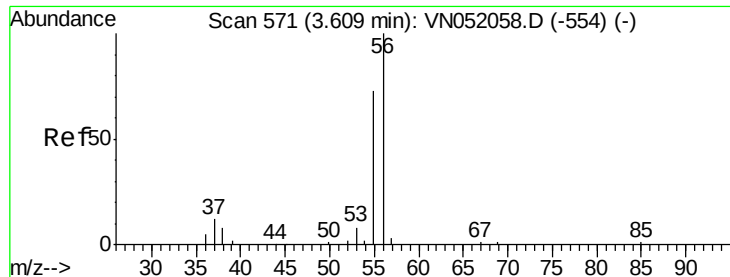


#12

1,1-Dichloroethene
 Concen: 106.952 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 96 Resp: 290535
 Ion Ratio Lower Upper
 96 100
 61 188.0 145.7 218.5
 98 65.3 49.8 74.8





#13

Acrolein

Concen: 563.534 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

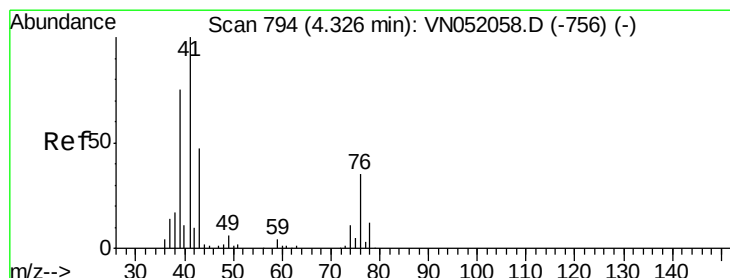
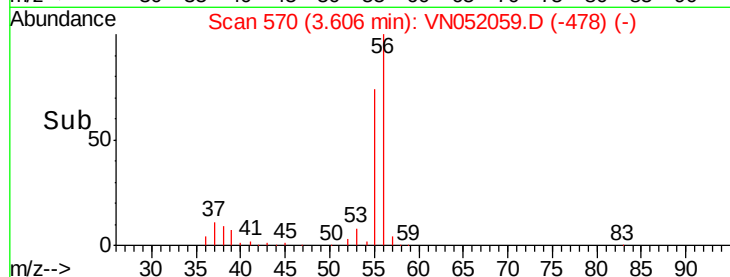
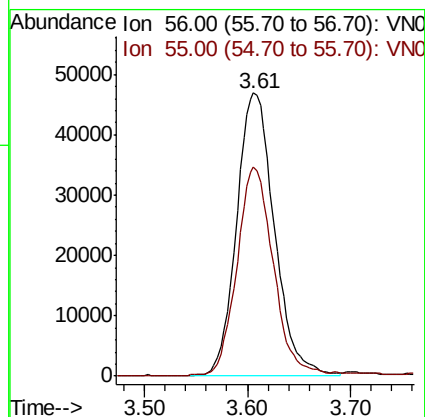
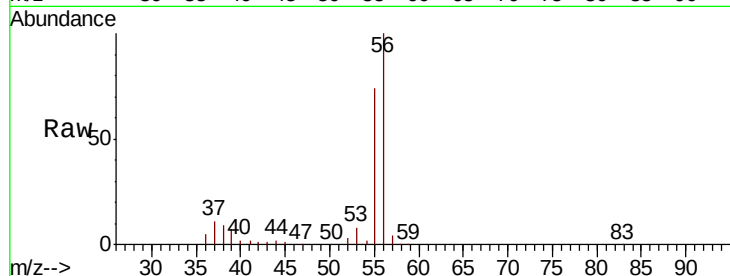
ClientSampleId :

Tgt Ion: 56 Resp: 119767

Ion Ratio Lower Upper

56 100

55 69.7 59.9 89.9



#14

Allyl chloride

Concen: 107.289 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

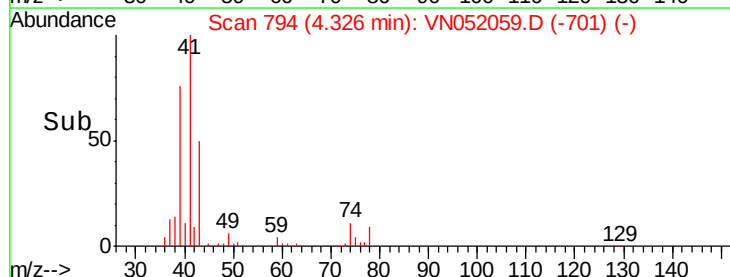
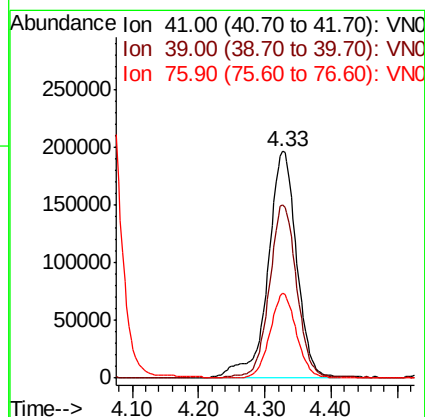
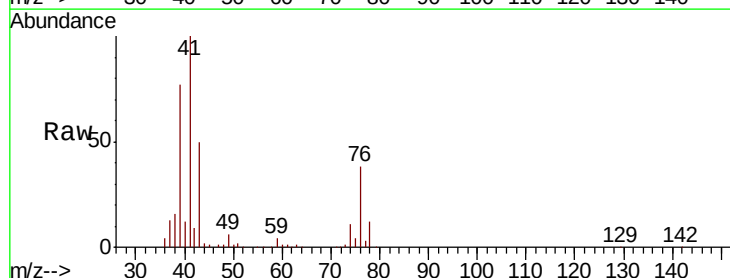
Tgt Ion: 41 Resp: 594440

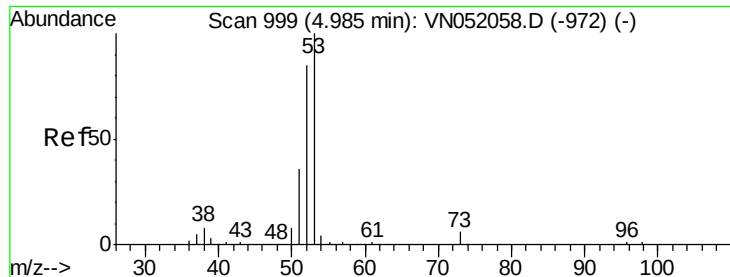
Ion Ratio Lower Upper

41 100

39 72.6 58.1 87.1

76 34.0 26.0 39.0





#15

Acrylonitrile

Concen: 537.220 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

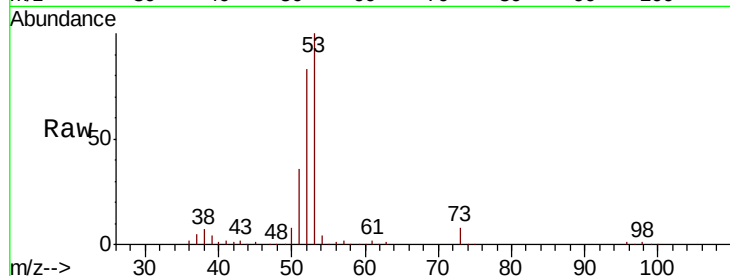
Tgt Ion: 53 Resp: 634780

Ion Ratio Lower Upper

53 100

52 82.0 66.6 100.0

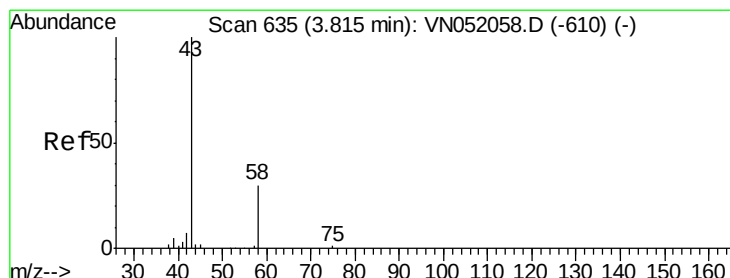
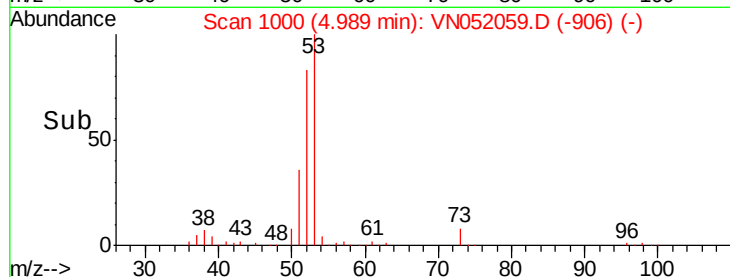
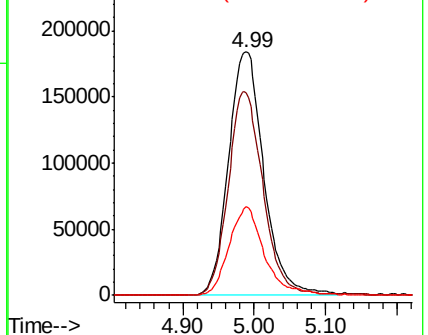
51 36.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN052058.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN052058.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN052058.D (-972) (-)



#16

Acetone

Concen: 458.576 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052059.D

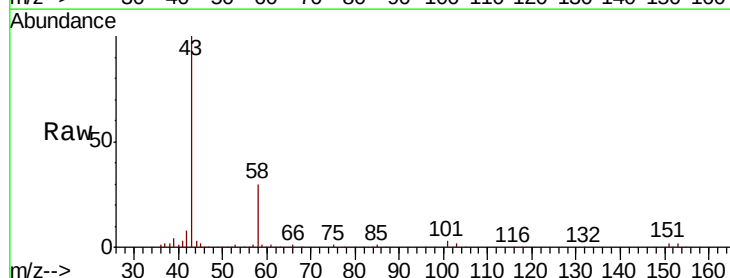
Acq: 30 Oct 2018 11:12

Tgt Ion: 43 Resp: 446540

Ion Ratio Lower Upper

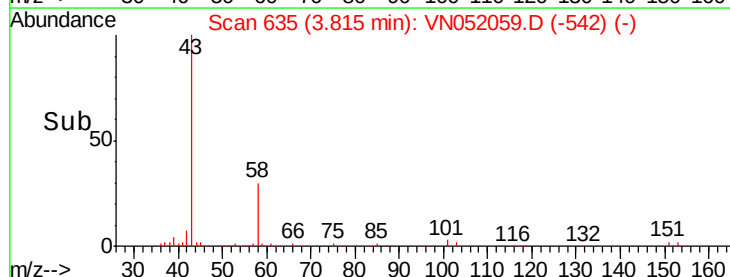
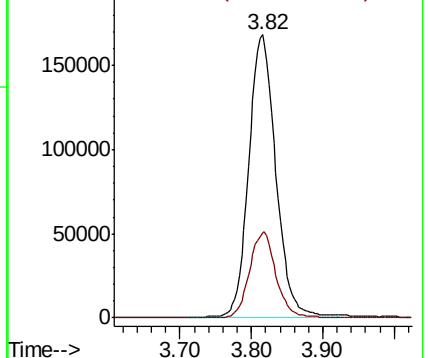
43 100

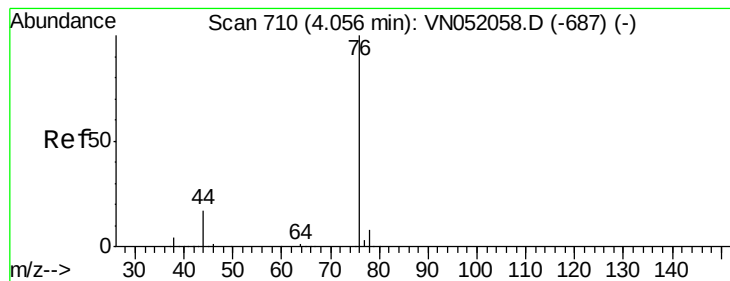
58 29.9 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)





#17

Carbon Disulfide

Concen: 106.779 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

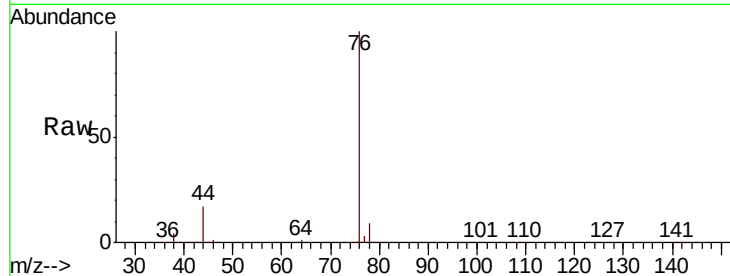
ClientSampleId :

Tgt Ion: 76 Resp: 944160

Ion Ratio Lower Upper

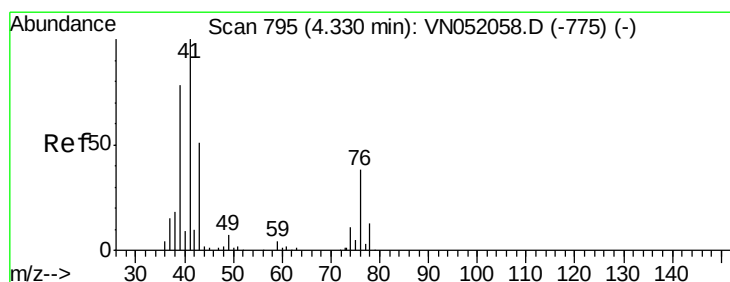
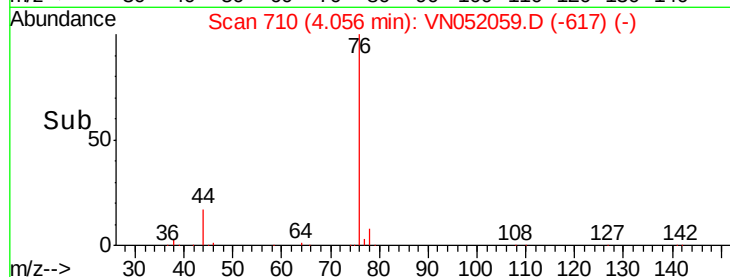
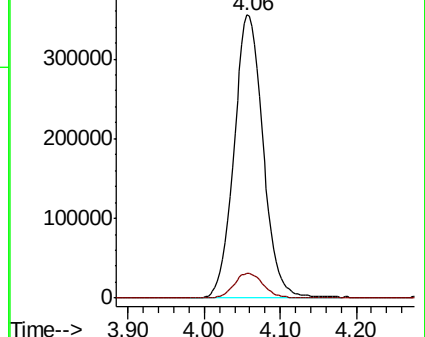
76 100

78 8.7 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN052058.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052059.D (-617) (-)



#18

Methyl Acetate

Concen: 90.919 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN052059.D

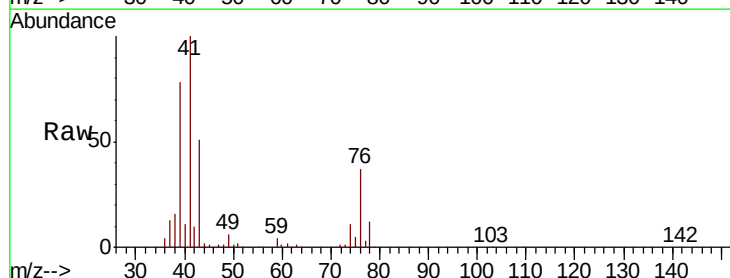
Acq: 30 Oct 2018 11:12

Tgt Ion: 43 Resp: 275062

Ion Ratio Lower Upper

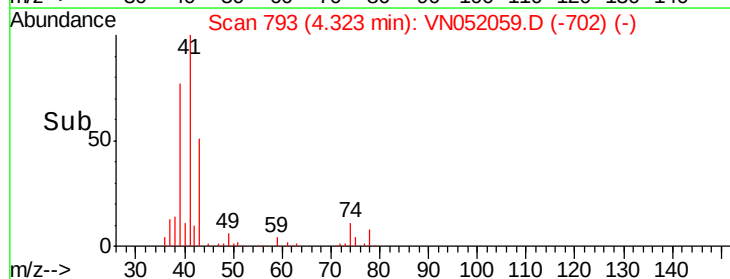
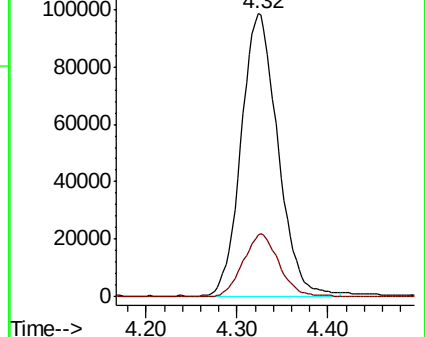
43 100

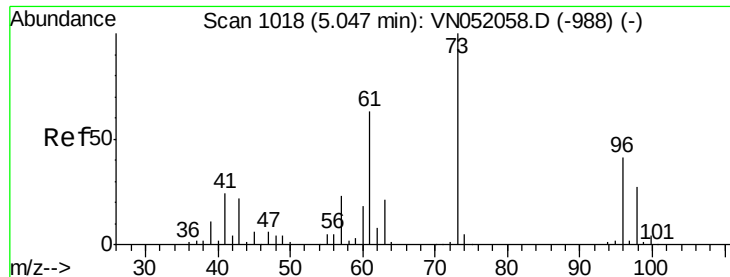
74 21.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-775) (-)

Ion 74.00 (73.70 to 74.70): VN052059.D (-702) (-)

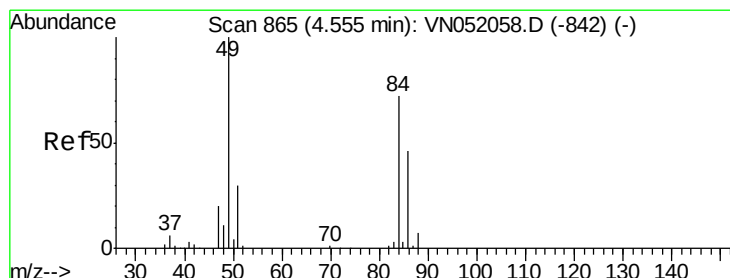
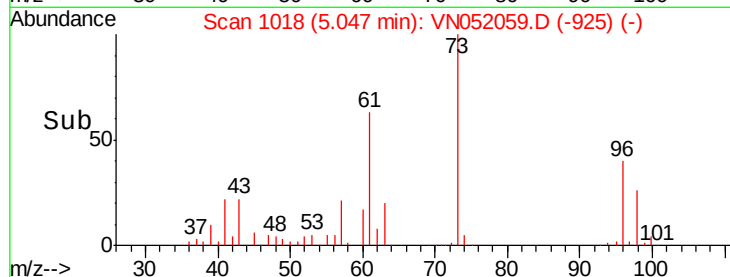
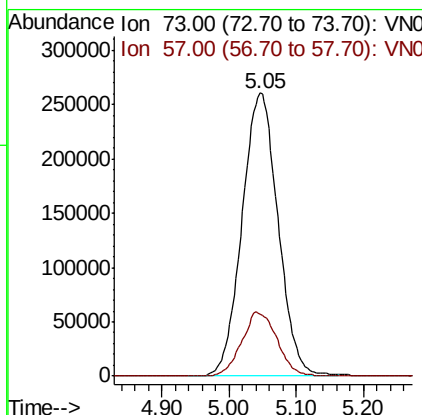
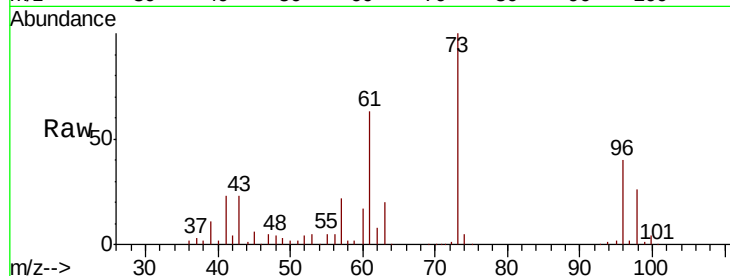




#19
Methyl tert-butyl Ether
Concen: 106.694 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

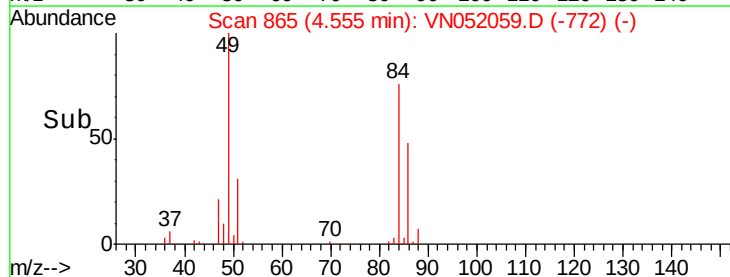
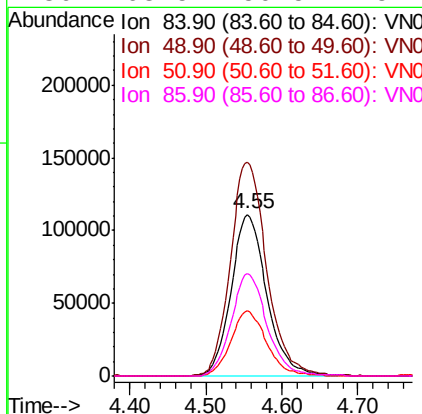
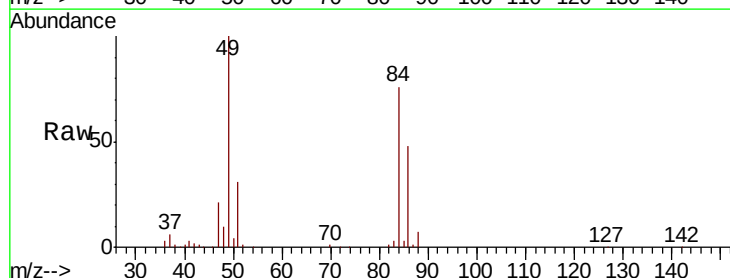
Instrument :
MSVOA_N
ClientSampled :

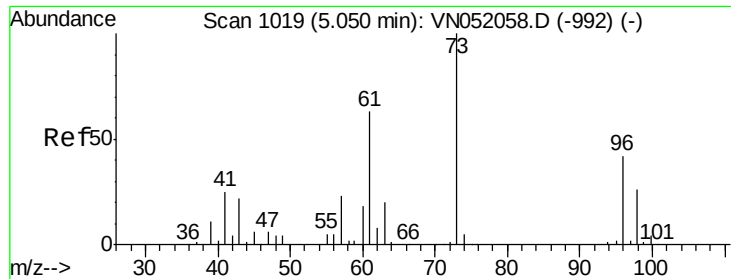
Tgt Ion: 73 Resp: 969173
Ion Ratio Lower Upper
73 100
57 22.0 18.7 28.1



#20
Methylene Chloride
Concen: 108.031 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 84 Resp: 361830
Ion Ratio Lower Upper
84 100
49 131.9 110.6 165.8
51 40.3 33.7 50.5
86 63.5 50.5 75.7

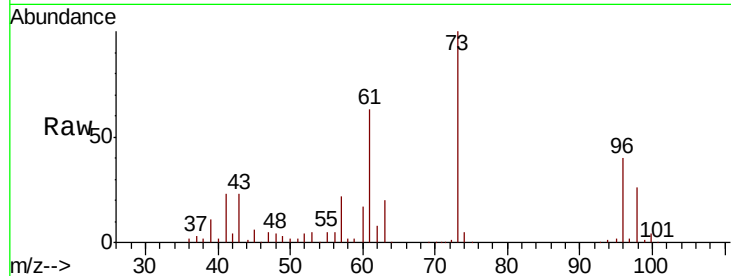




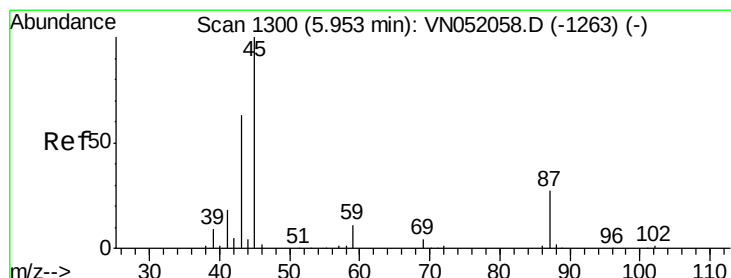
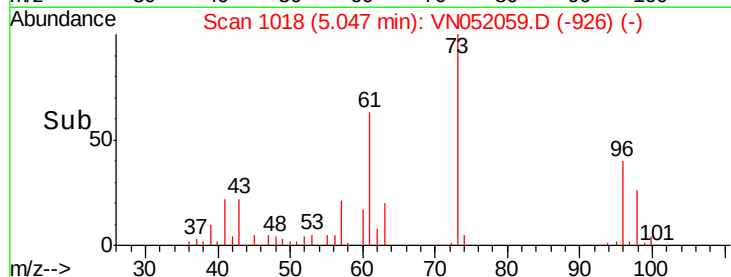
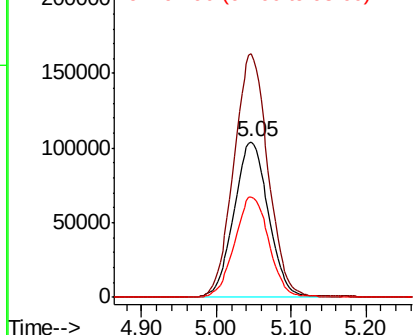
#21
trans-1,2-Dichloroethene
Concen: 108.818 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 96 Resp: 335435
Ion Ratio Lower Upper
96 100
61 156.8 118.6 178.0
98 64.6 49.7 74.5

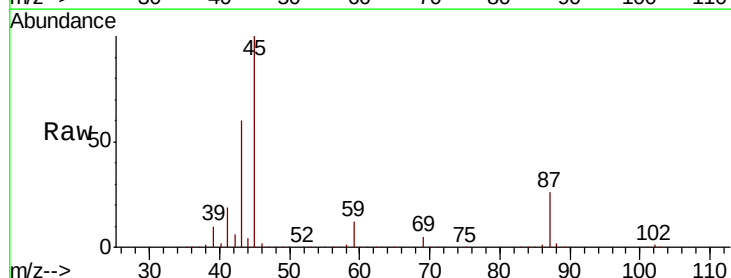


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

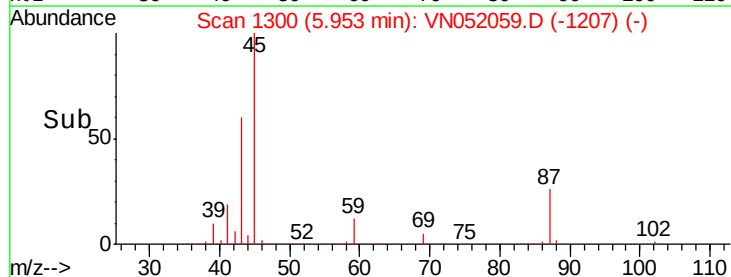
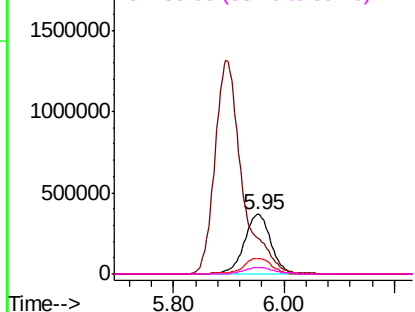


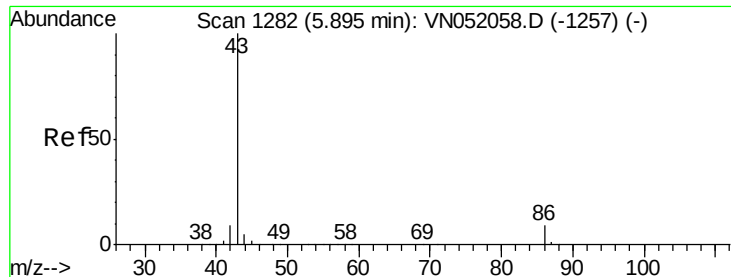
#22
Diisopropyl ether
Concen: 99.894 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 45 Resp: 1235342
Ion Ratio Lower Upper
45 100
43 59.4 50.5 75.7
87 26.1 21.5 32.3
59 11.5 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 548.752 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

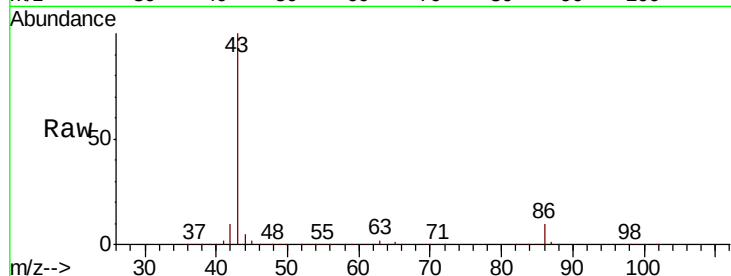
ClientSampled :

Tgt Ion: 43 Resp: 4488709

Ion Ratio Lower Upper

43 100

86 9.5 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN052059.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052059.D (-1189) (-)

1500000

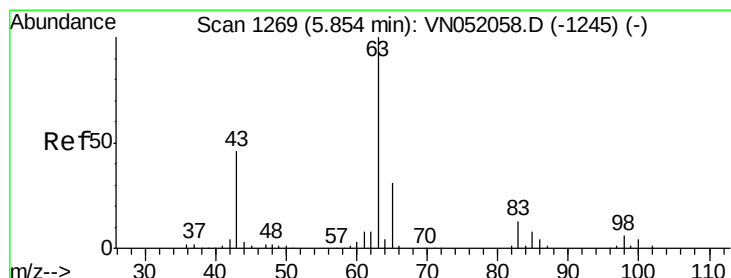
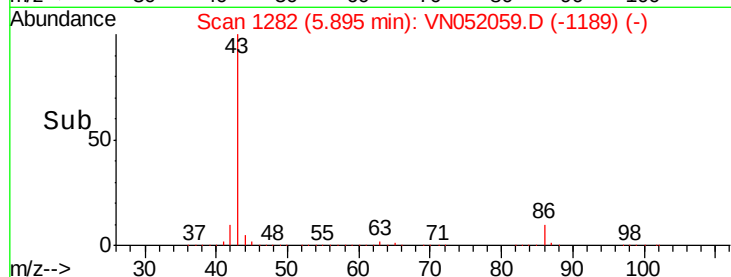
1000000

500000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 102.737 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

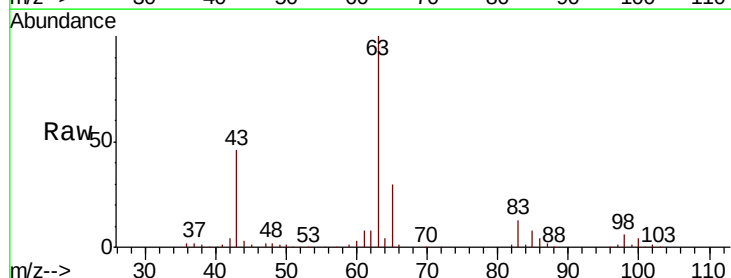
Tgt Ion: 63 Resp: 699550

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052059.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052059.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052059.D (-1176) (-)

300000

250000

200000

150000

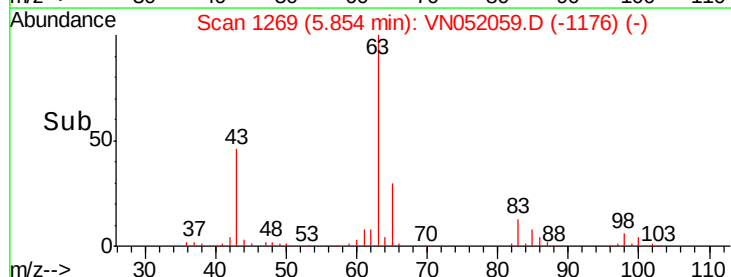
100000

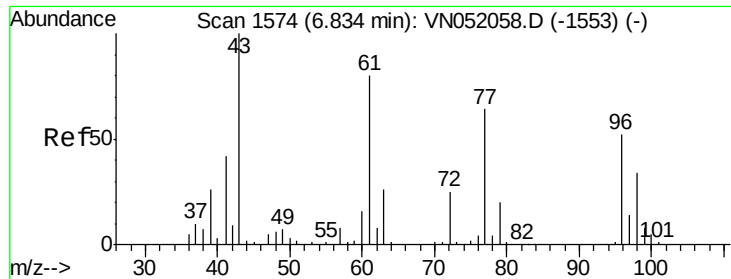
50000

0

5.70 5.80 5.90 6.00

Time-->

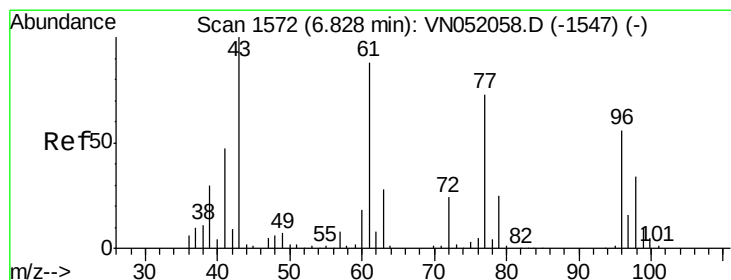
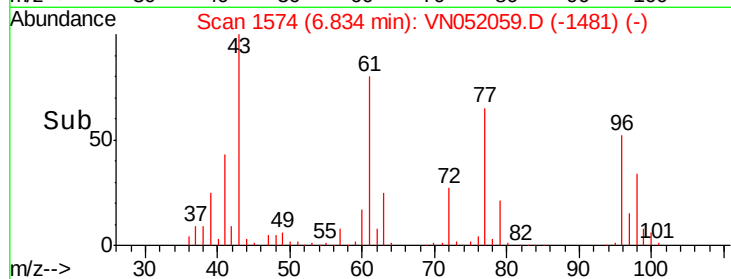
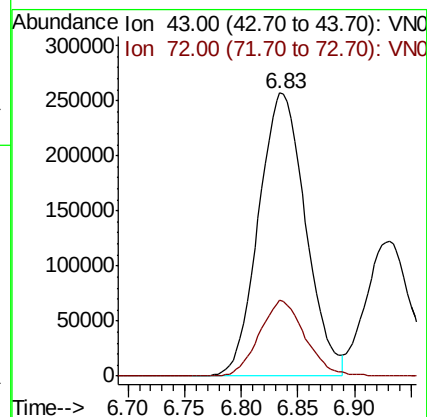
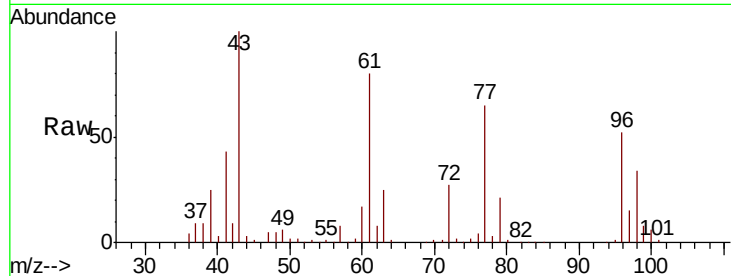




#25
2-Butanone
Concen: 537.652 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

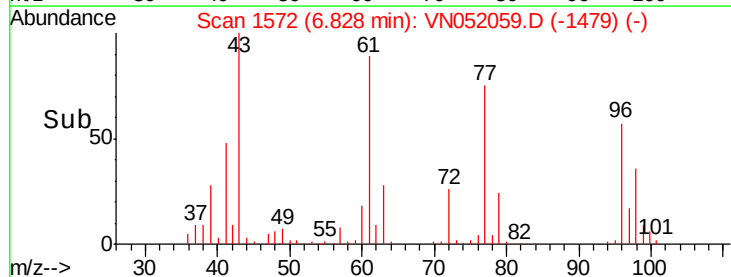
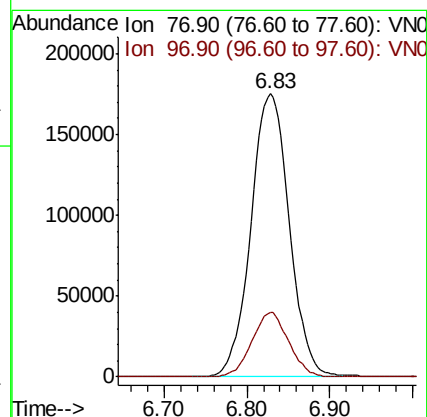
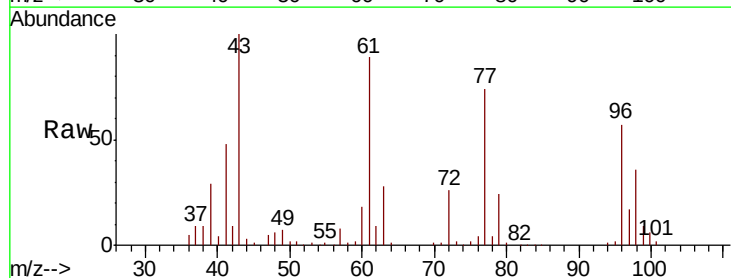
Instrument :
MSVOA_N
ClientSampled :

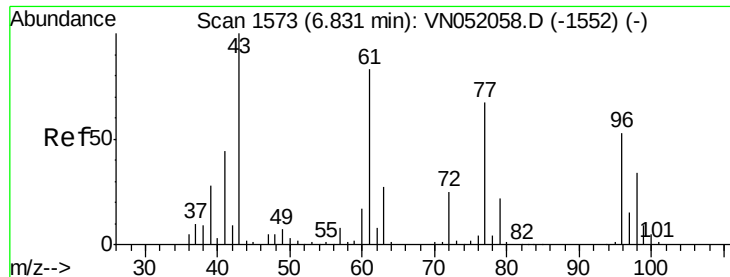
Tgt Ion: 43 Resp: 739332
Ion Ratio Lower Upper
43 100
72 27.0 20.2 30.2



#26
2,2-Dichloropropane
Concen: 101.511 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 77 Resp: 564230
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 104.766 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

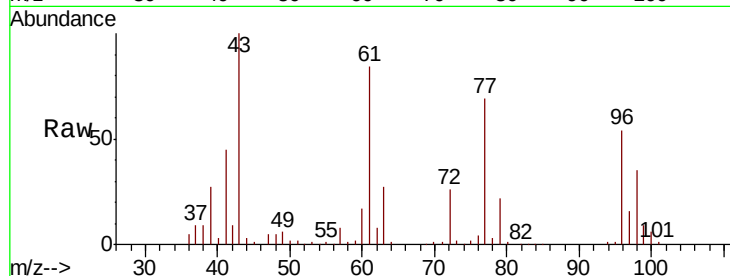
Tgt Ion: 96 Resp: 400270

Ion Ratio Lower Upper

96 100

61 154.8 0.0 312.8

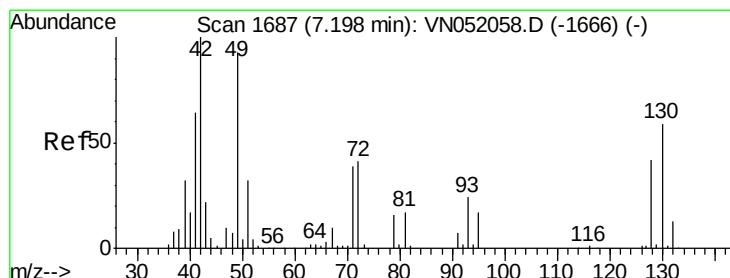
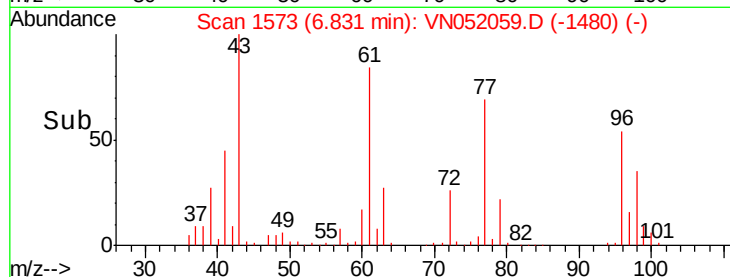
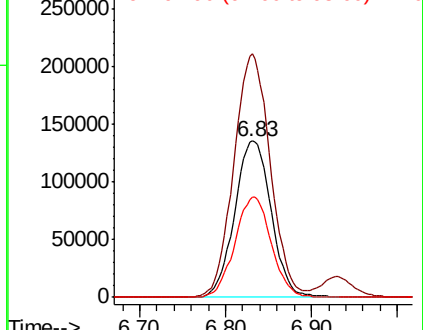
98 64.0 0.0 127.0



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: 85.688 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

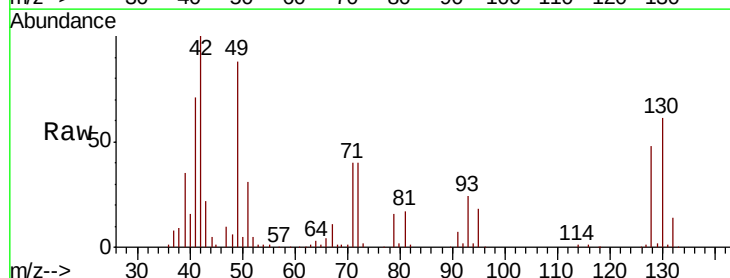
Tgt Ion: 49 Resp: 319482

Ion Ratio Lower Upper

49 100

129 2.1 0.0 2.4

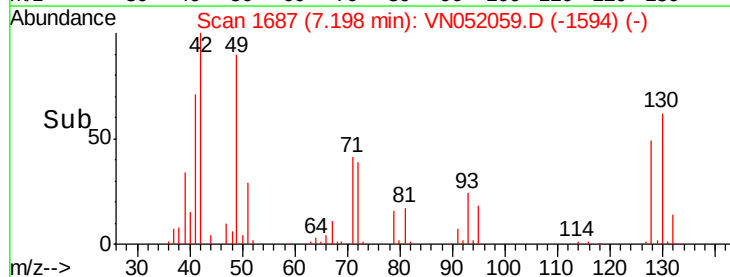
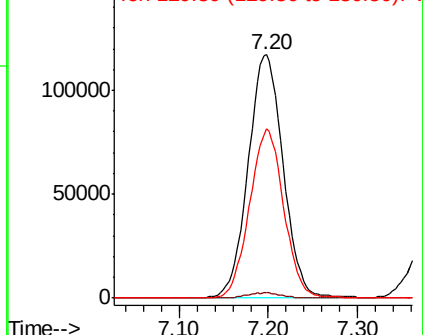
130 67.9 50.8 76.2

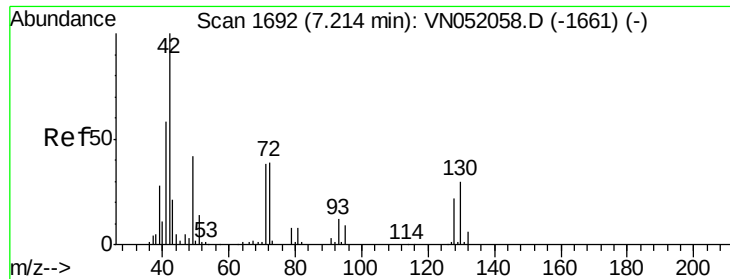


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

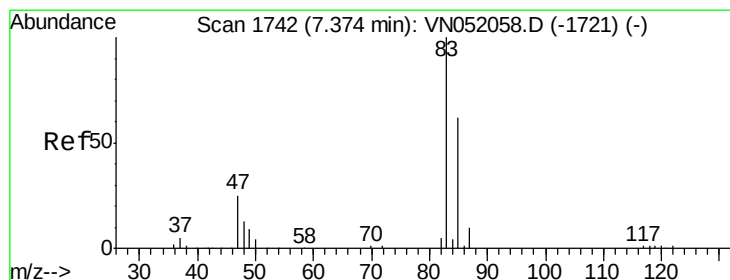
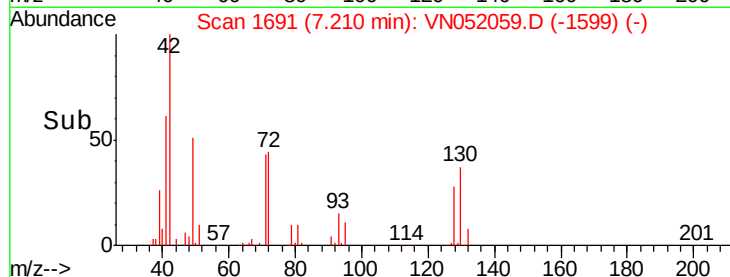
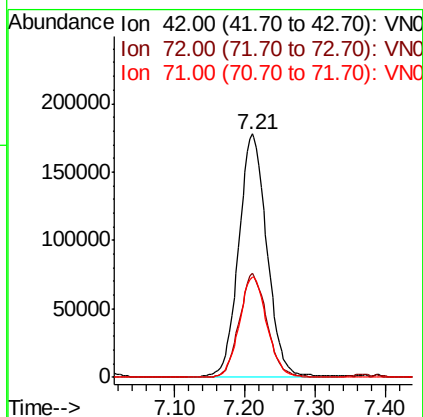
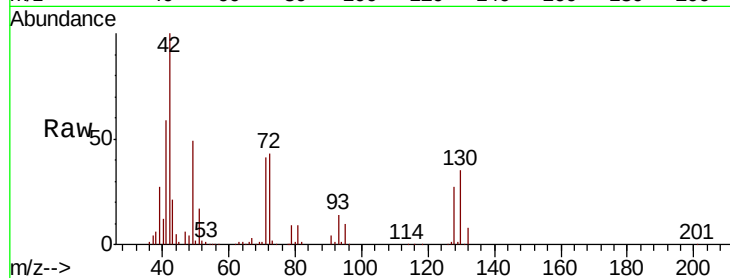




#29
Tetrahydrofuran
Concen: 504.247 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

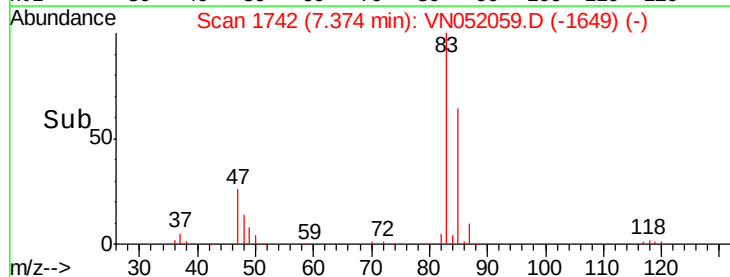
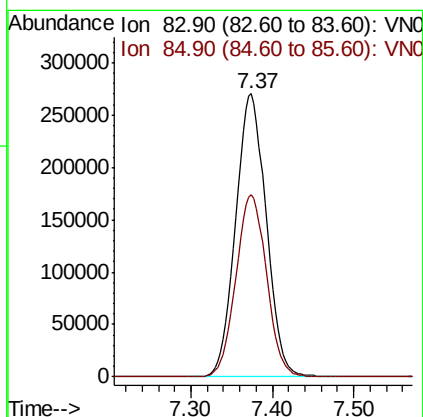
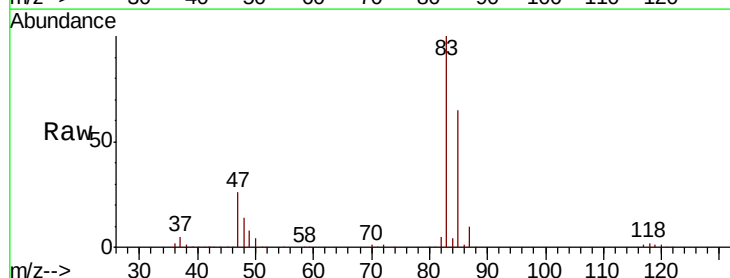
Instrument :
MSVOA_N
ClientSampleId :

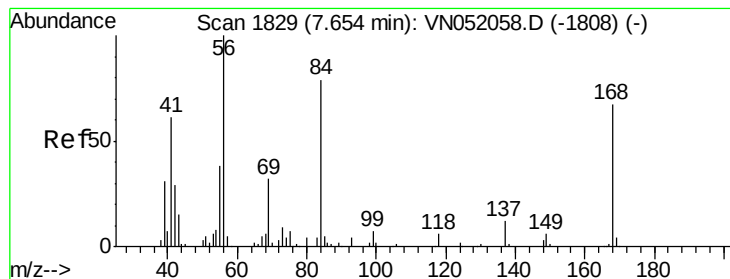
Tgt Ion: 42 Resp: 494713
Ion Ratio Lower Upper
42 100
72 41.9 32.5 48.7
71 40.3 30.6 46.0



#30
Chloroform
Concen: 101.100 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 83 Resp: 702592
Ion Ratio Lower Upper
83 100
85 64.5 49.6 74.4





#31

Cyclohexane

Concen: 60.074 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :

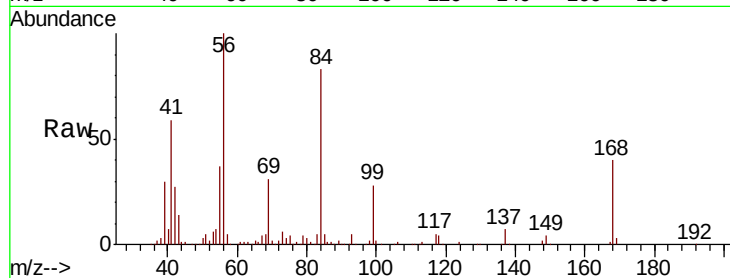
Tgt Ion: 56 Resp: 649097

Ion Ratio Lower Upper

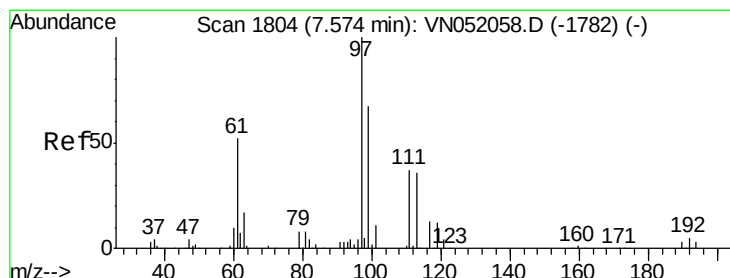
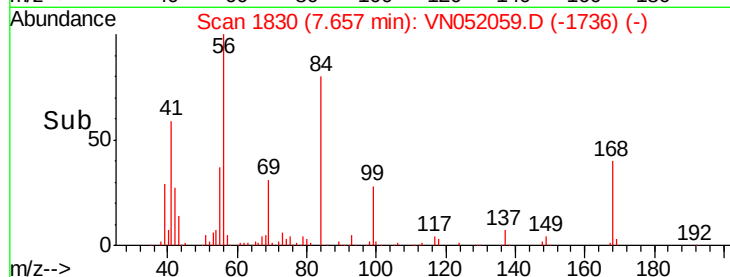
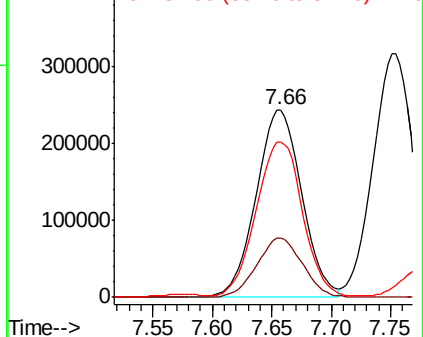
56 100

69 31.4 25.8 38.6

84 81.7 63.5 95.3



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: 113.163 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

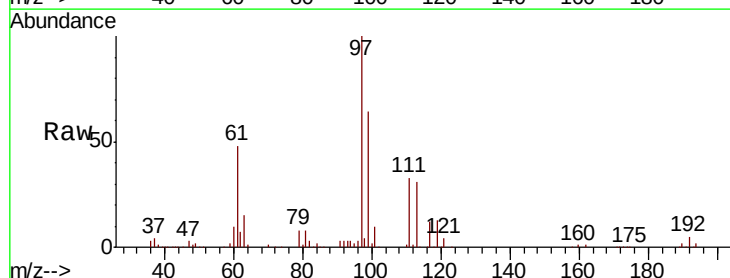
Tgt Ion: 97 Resp: 597692

Ion Ratio Lower Upper

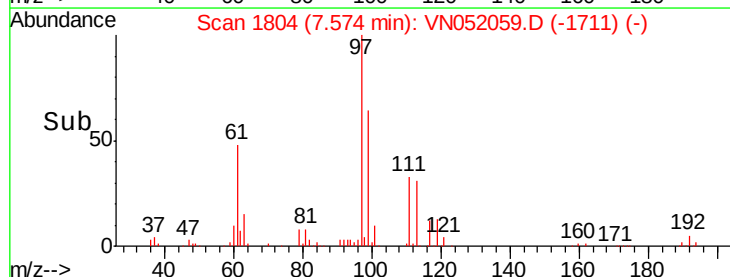
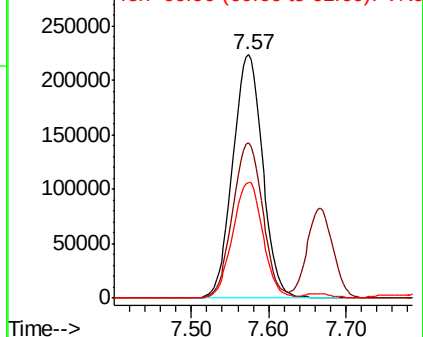
97 100

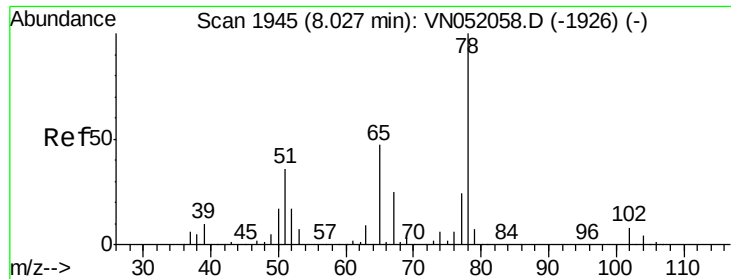
99 64.2 51.4 77.2

61 48.2 40.3 60.5



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

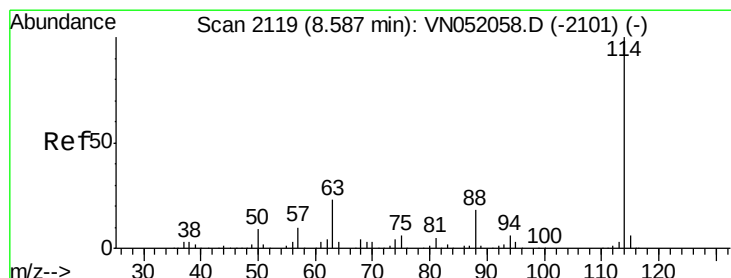
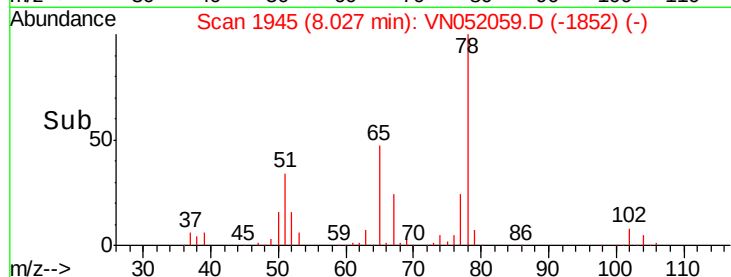
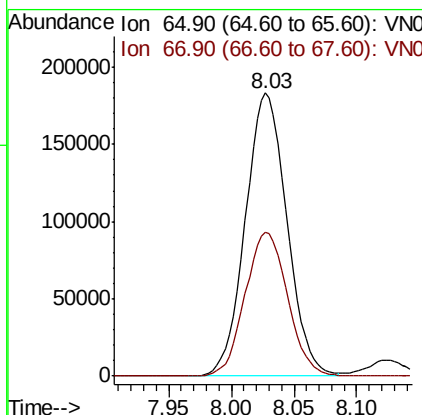
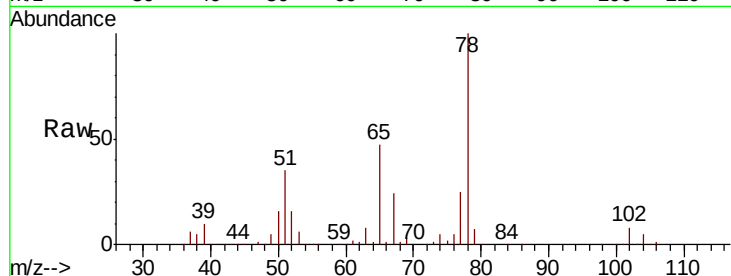




#33
 1,2-Dichloroethane-d4
 Concen: 113.163 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

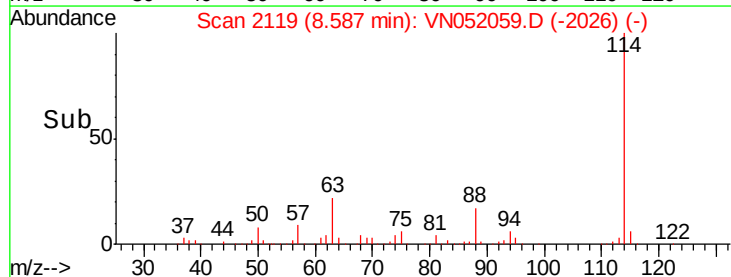
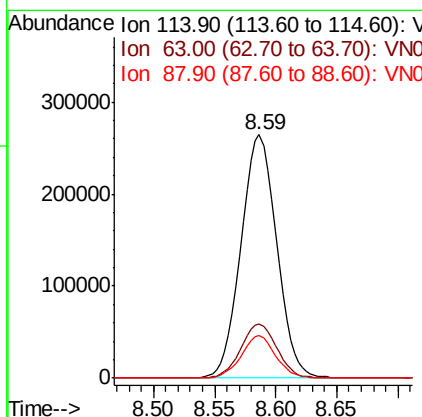
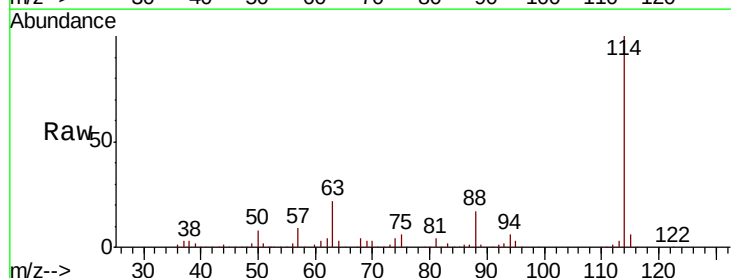
Instrument :
 MSVOA_N
 ClientSampleId :

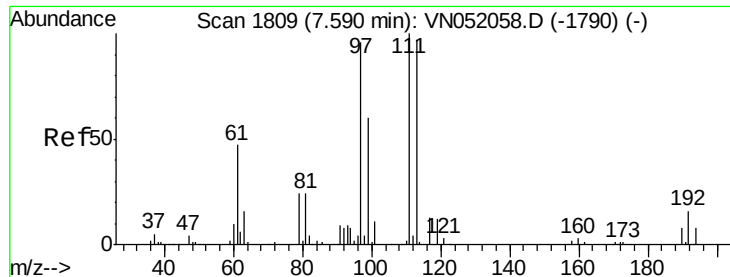
Tgt Ion: 65 Resp: 422927
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 114 Resp: 535293
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 46.0
 88 17.3 0.0 35.4

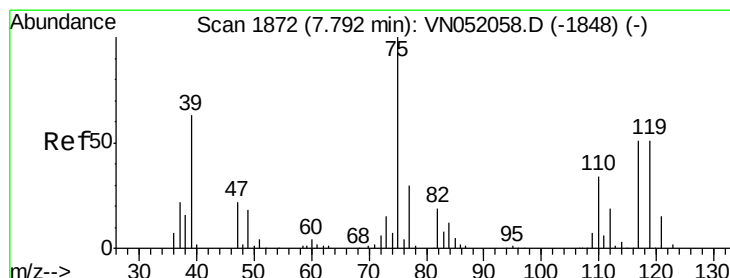
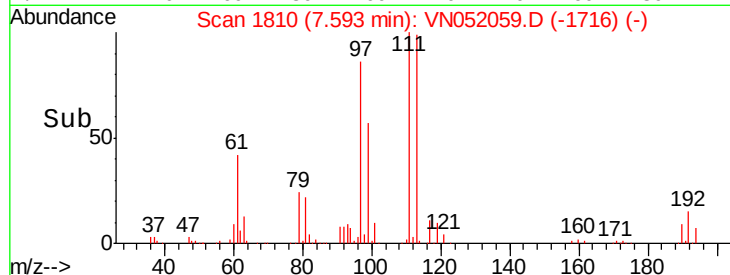
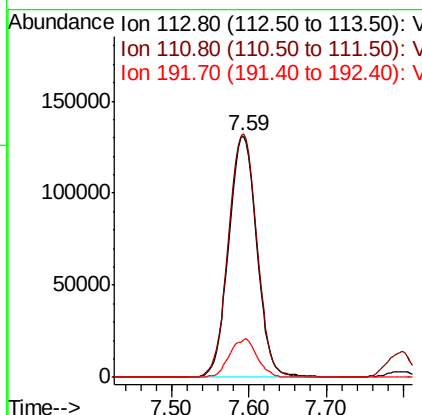
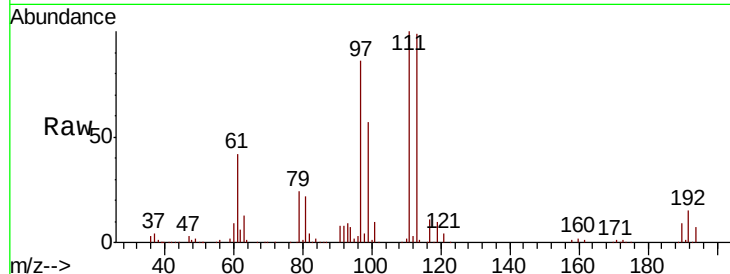




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

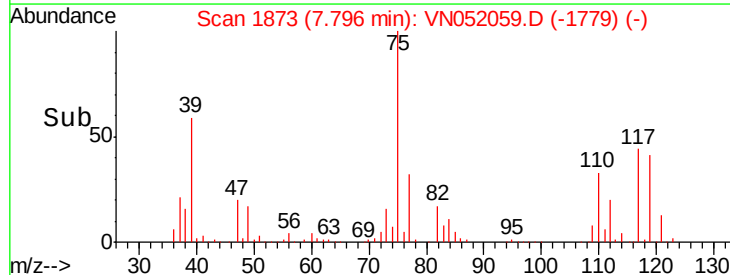
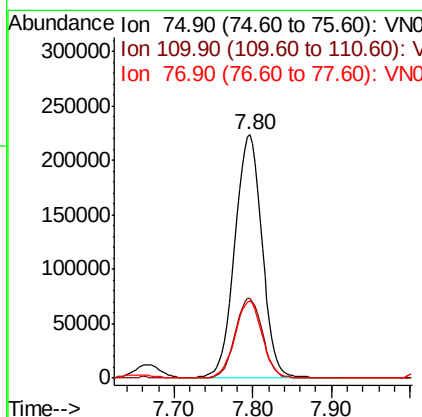
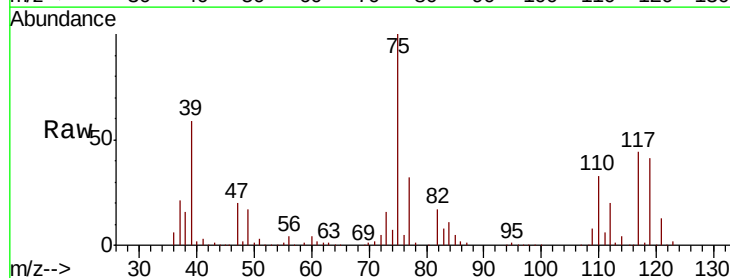
Instrument :
 MSVOA_N
 ClientSampleId :

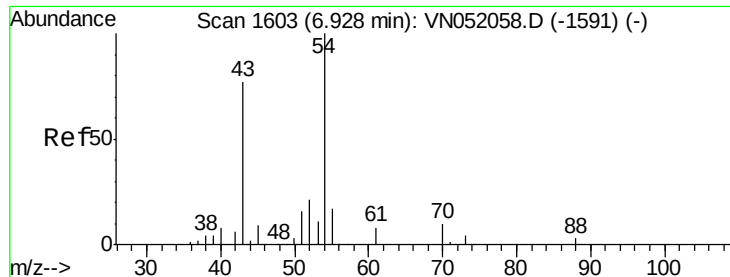
Tgt Ion: 113 Resp: 328019
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.1 124.7
 192 15.8 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 101.614 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 75 Resp: 540125
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.0 48.0
 77 32.0 24.5 36.7

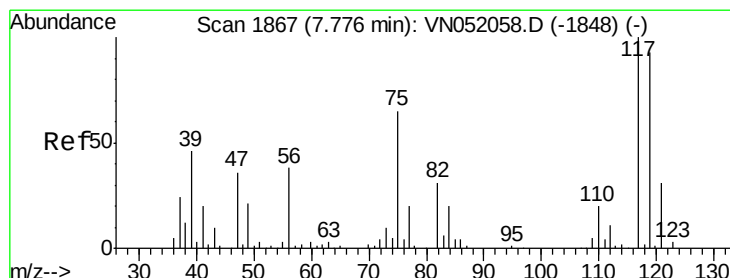
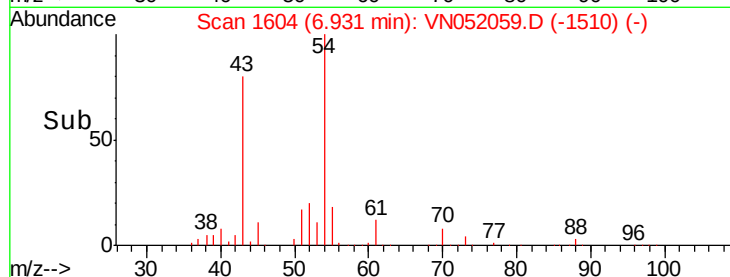
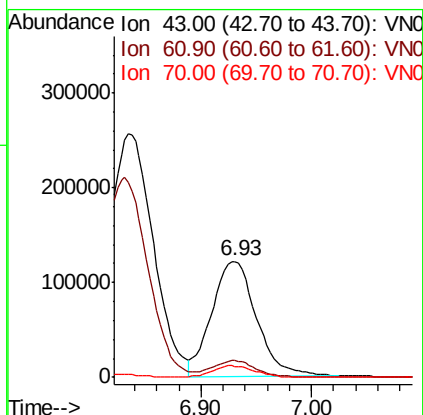
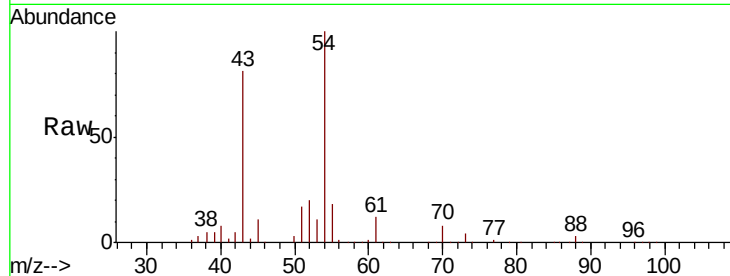




#37
 Ethyl Acetate
 Concen: 107.566 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

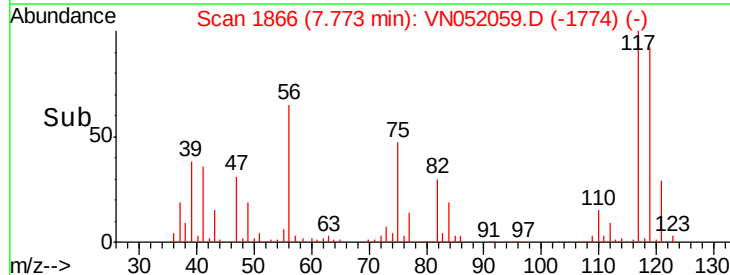
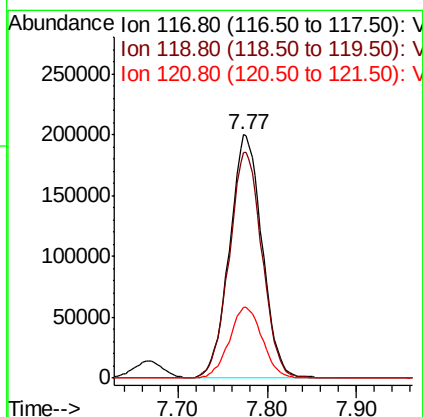
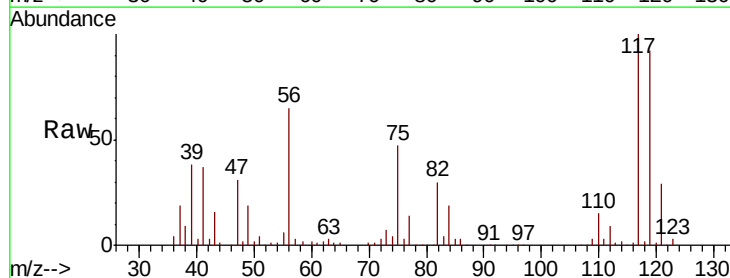
Instrument :
 MSVOA_N
 ClientSampled :

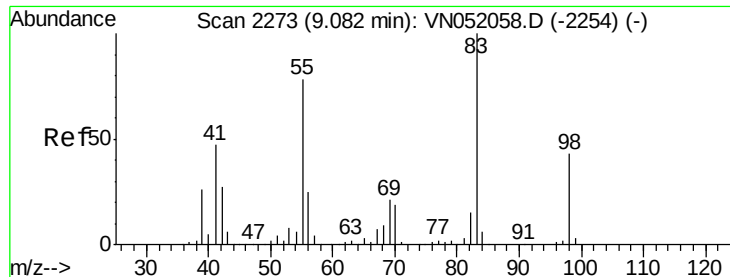
Tgt Ion: 43 Resp: 340865
 Ion Ratio Lower Upper
 43 100
 61 13.7 10.9 16.3
 70 9.2 8.6 12.8



#38
 Carbon Tetrachloride
 Concen: 114.368 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 117 Resp: 504786
 Ion Ratio Lower Upper
 117 100
 119 92.5 74.8 112.2
 121 28.9 25.1 37.7

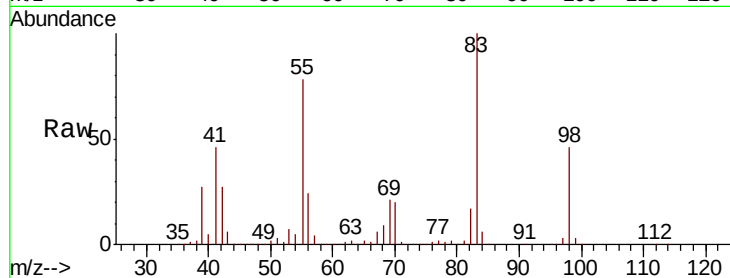




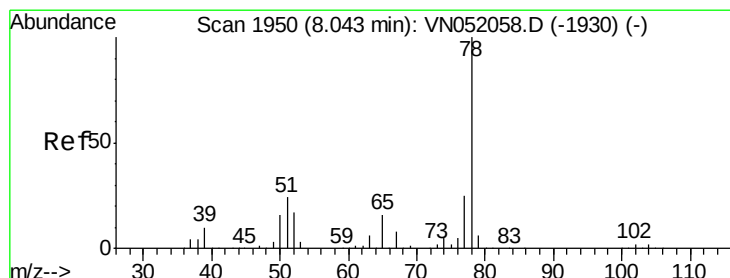
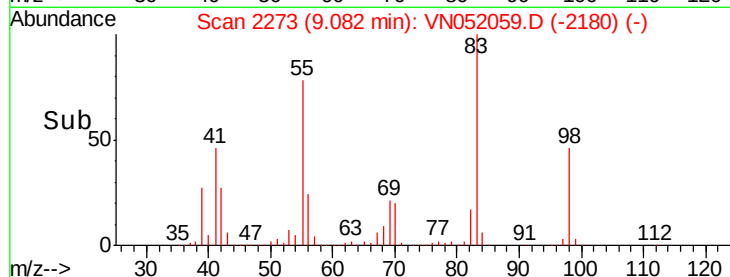
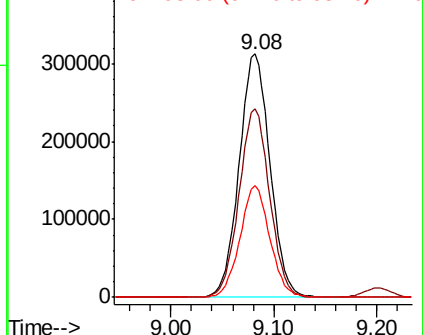
#39
Methylcyclohexane
Concen: 102.527 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 83 Resp: 650471
Ion Ratio Lower Upper
83 100
55 77.7 62.0 93.0
98 45.8 34.7 52.1

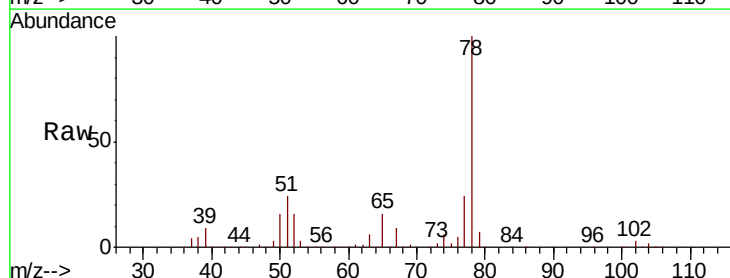


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

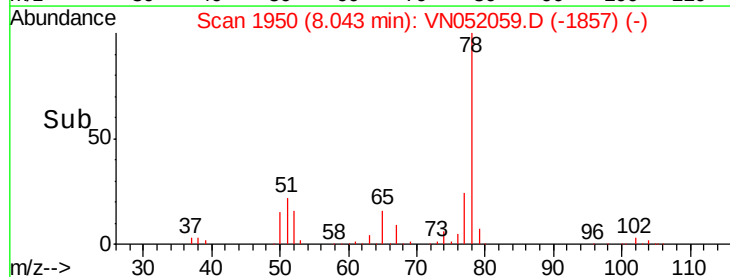
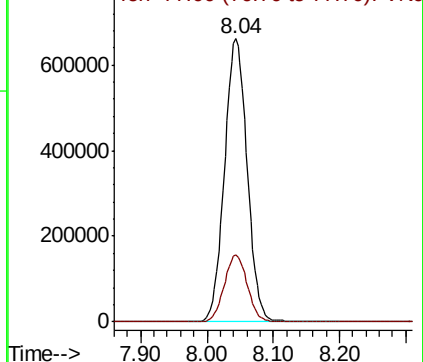


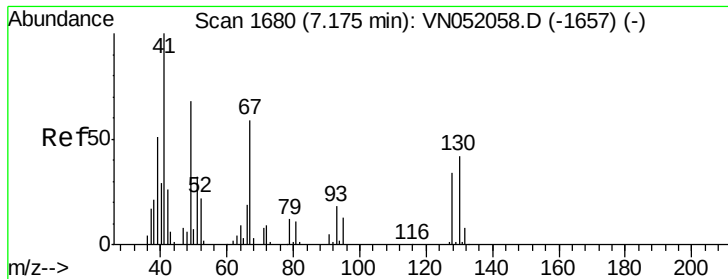
#40
Benzene
Concen: 104.320 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 78 Resp: 1568325
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6



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





#41

Methacrylonitrile

Concen: 402.296 ug/l

RT: 7.21 min Scan# 1690

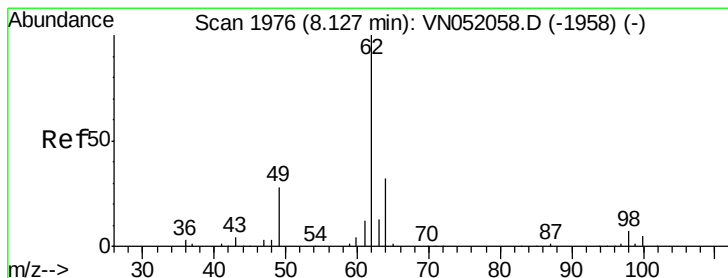
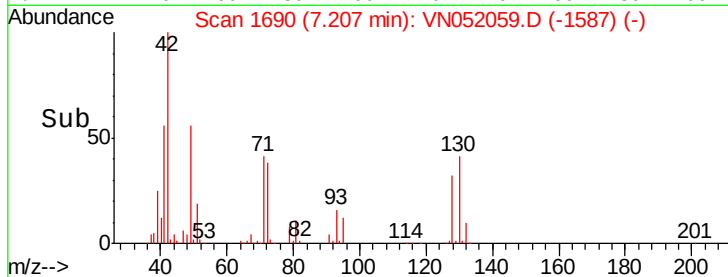
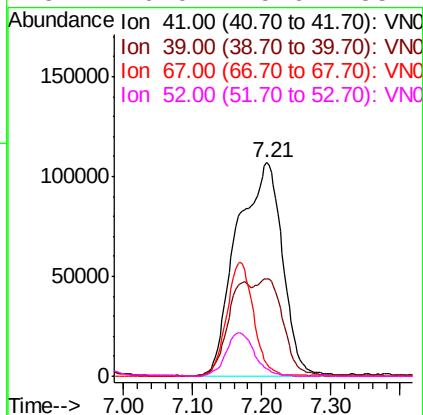
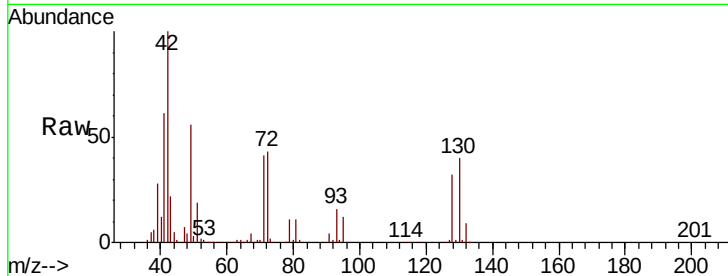
Delta R.T. 0.03 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	41	Resp:	489281
Ion	Ratio	Lower	Upper
41	100		
39	0.0	33.2	49.8#
67	0.0	63.5	95.3#
52	0.0	25.6	38.4#



#42

1,2-Dichloroethane

Concen: 91.272 ug/l

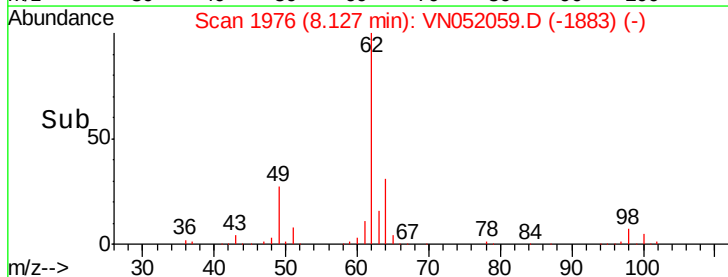
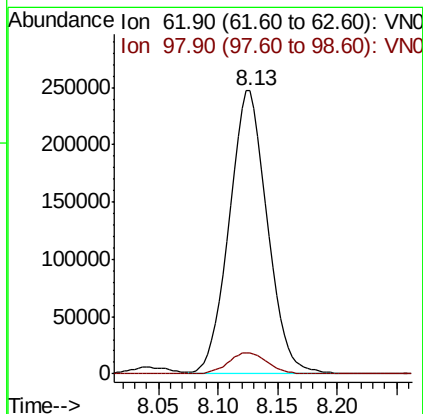
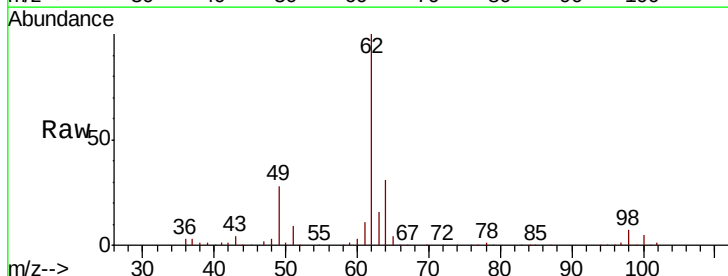
RT: 8.13 min Scan# 1976

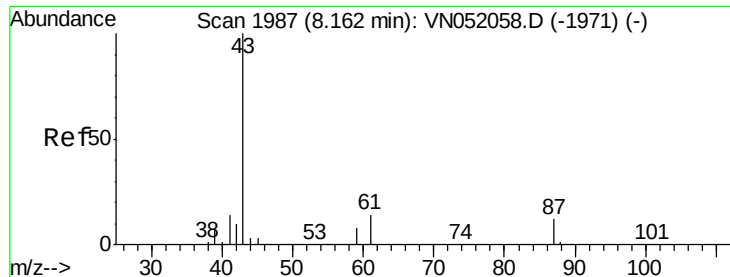
Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Tgt Ion:	62	Resp:	544681
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43

Isopropyl Acetate

Concen: 104.343 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

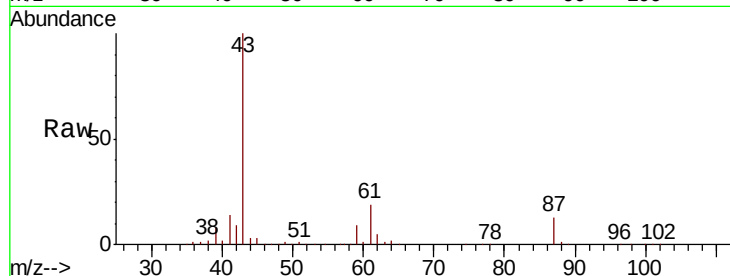
Tgt Ion: 43 Resp: 640102

Ion Ratio Lower Upper

43 100

61 20.6 15.4 23.0

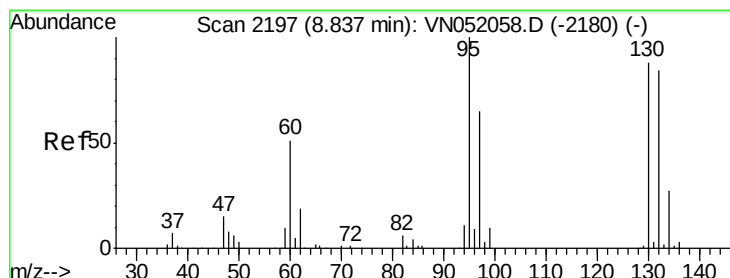
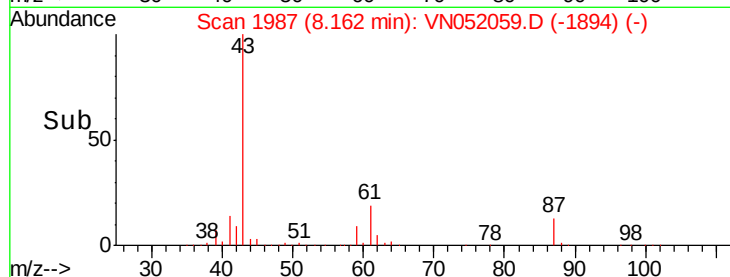
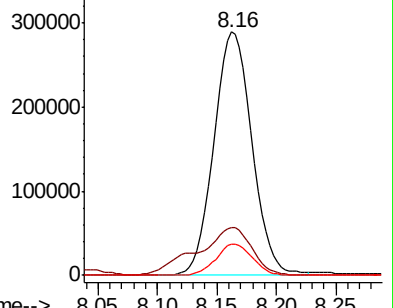
87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052058.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1971) (-)



#44

Trichloroethene

Concen: 110.079 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052059.D

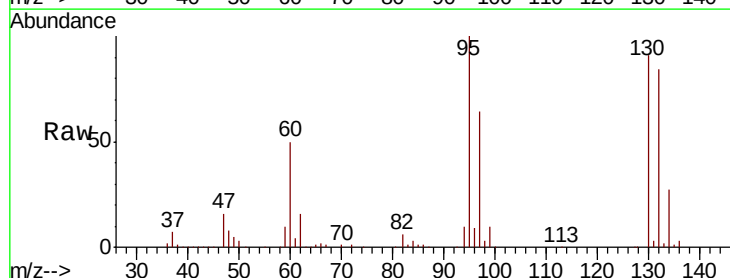
Acq: 30 Oct 2018 11:12

Tgt Ion:130 Resp: 364340

Ion Ratio Lower Upper

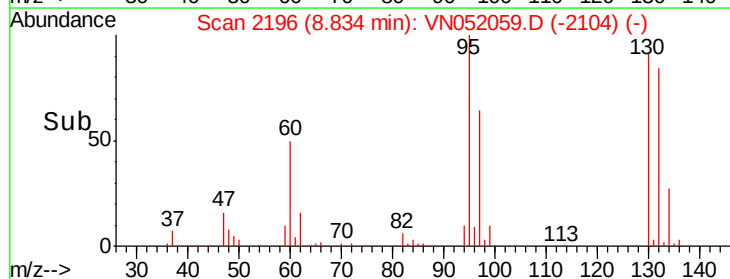
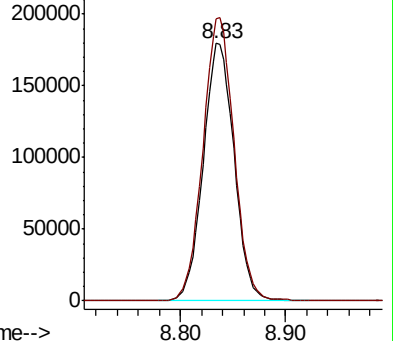
130 100

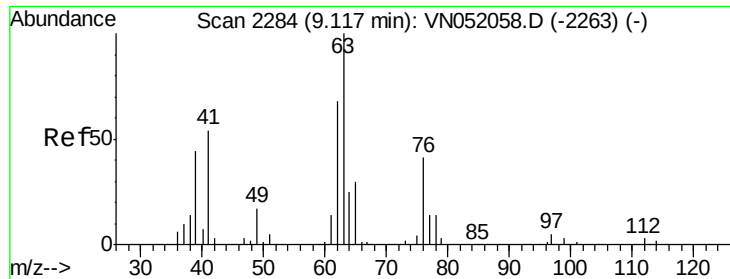
95 109.5 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052058.D (-2180) (-)

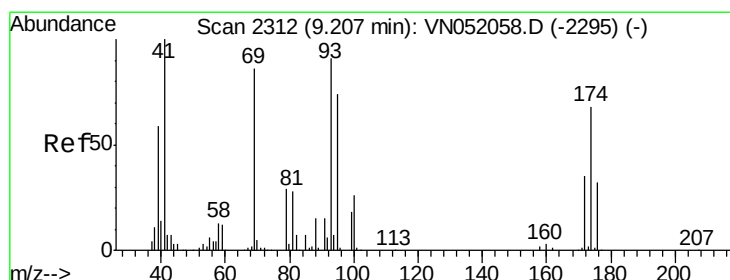
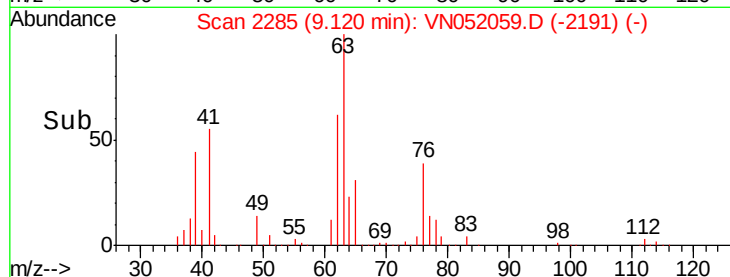
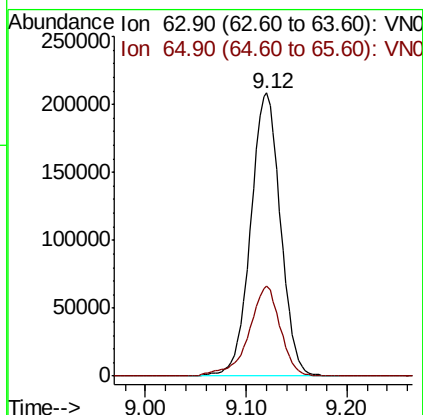
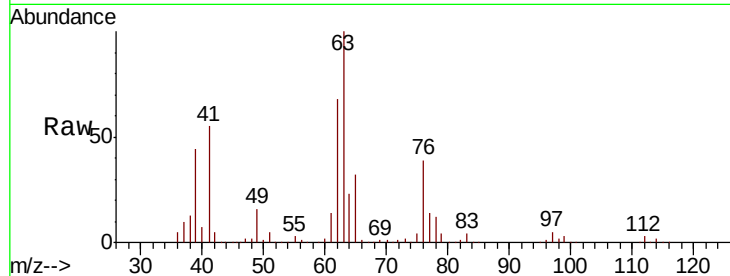




#45
 1,2-Dichloropropane
 Concen: 93.620 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

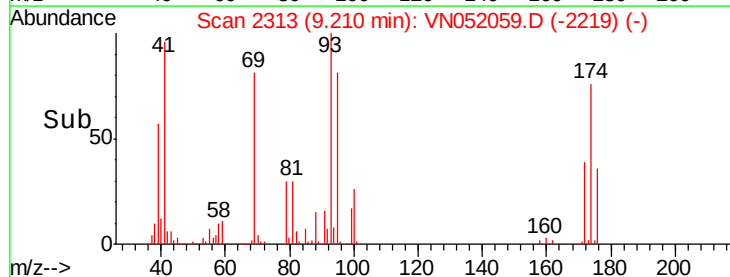
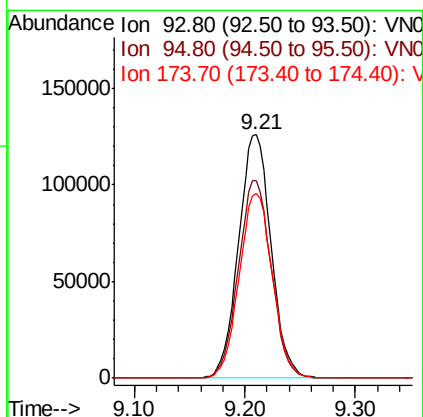
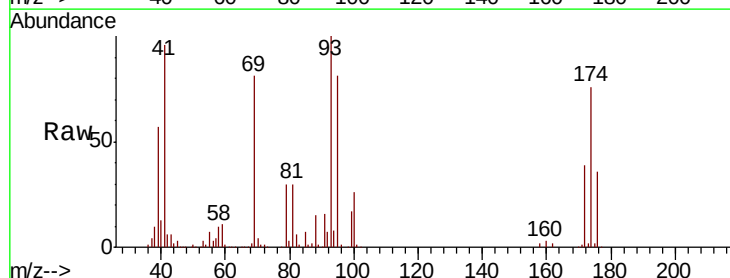
Instrument :
 MSVOA_N
 ClientSampleId :

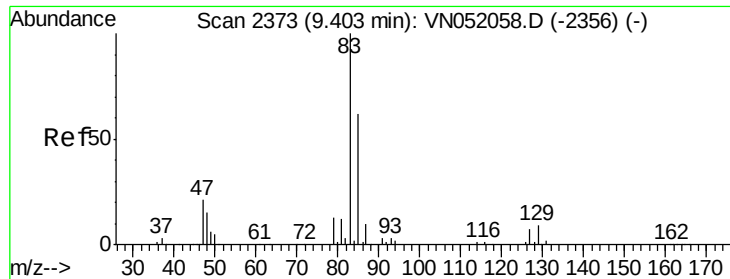
Tgt Ion: 63 Resp: 425928
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.5 36.7



#46
 Dibromomethane
 Concen: 111.143 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 93 Resp: 258022
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.2 100.8
 174 77.3 59.7 89.5

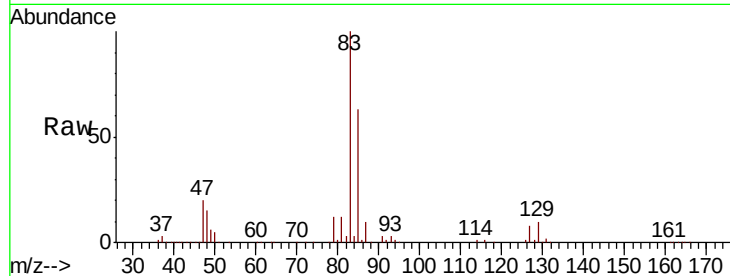




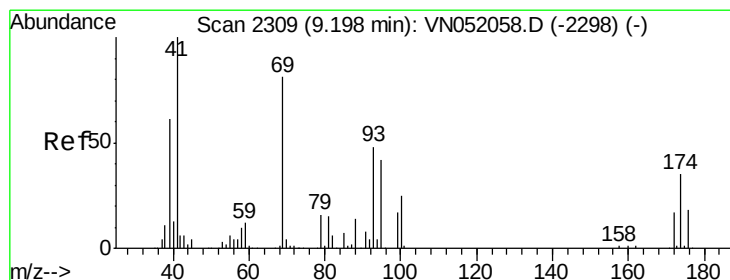
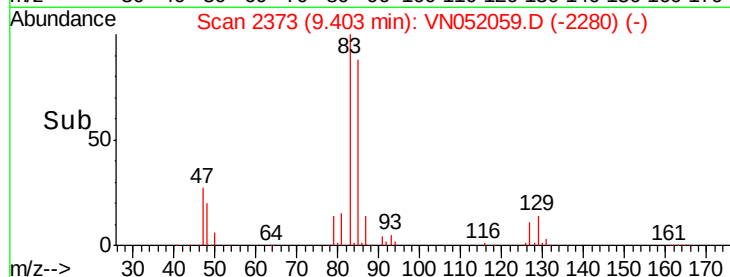
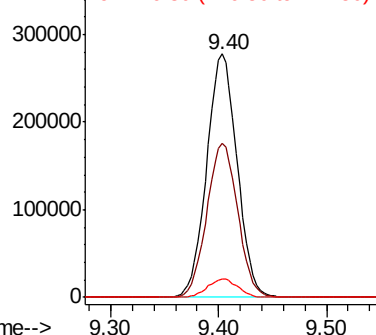
#47
Bromodichloromethane
Concen: 112.723 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 83 Resp: 546318
Ion Ratio Lower Upper
83 100
85 63.3 49.4 74.2
127 7.7 5.8 8.8

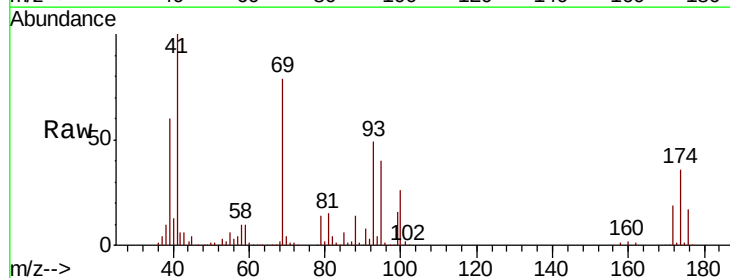


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

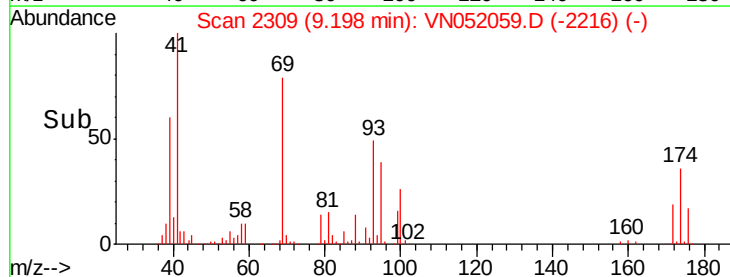
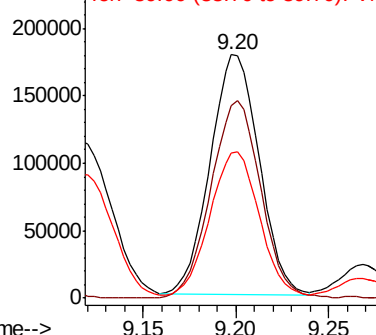


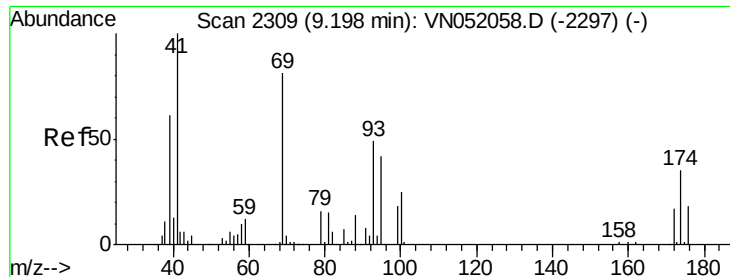
#48
Methyl methacrylate
Concen: 105.112 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 41 Resp: 325918
Ion Ratio Lower Upper
41 100
69 84.3 67.1 100.7
39 62.0 50.5 75.7



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





#49

1,4-Dioxane

Concen: 3391.873 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :

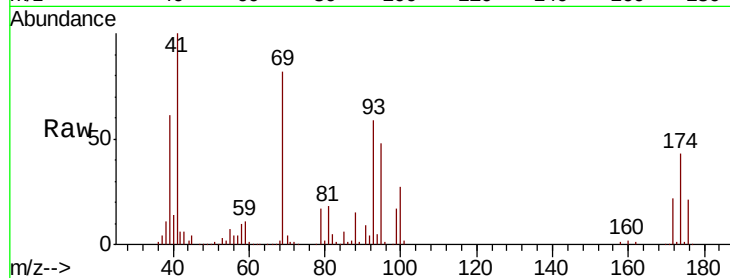
Tgt Ion: 88 Resp: 52208

Ion Ratio Lower Upper

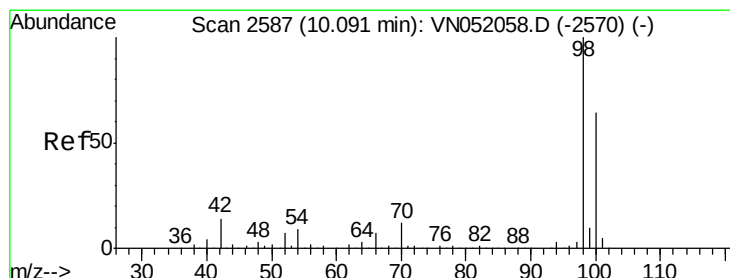
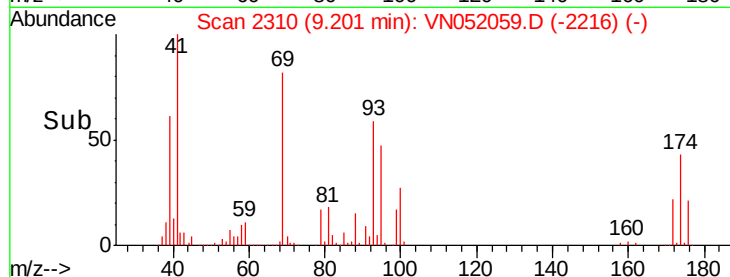
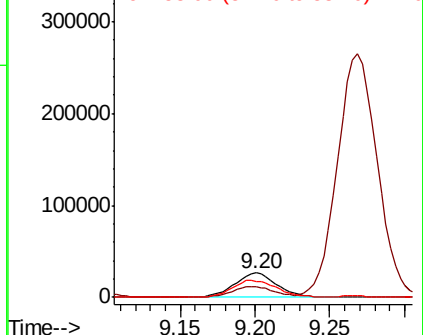
88 100

43 42.2 34.1 51.1

58 73.5 62.8 94.2



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: 3391.873 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052059.D

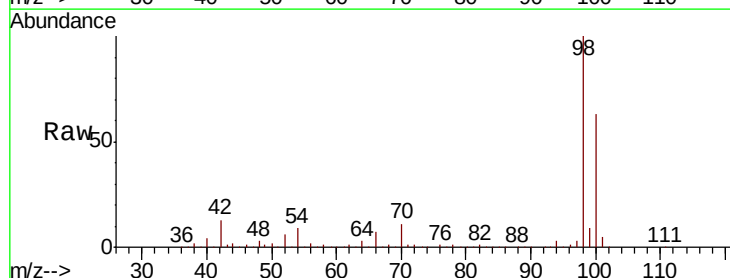
Acq: 30 Oct 2018 11:12

Tgt Ion: 98 Resp: 1327134

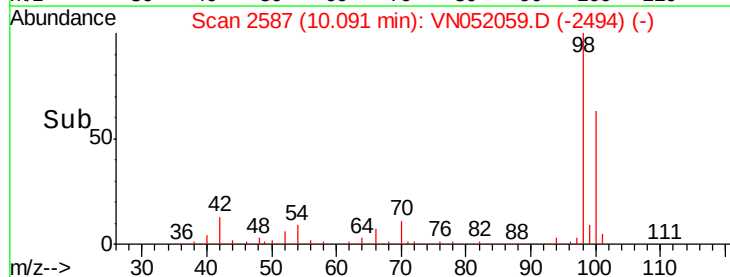
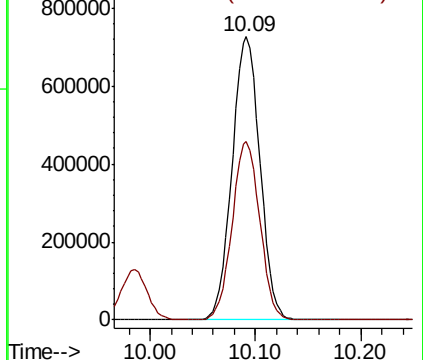
Ion Ratio Lower Upper

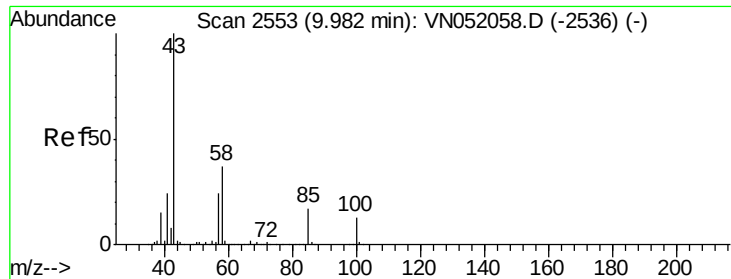
98 100

100 62.3 51.4 77.2



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: 525.740 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

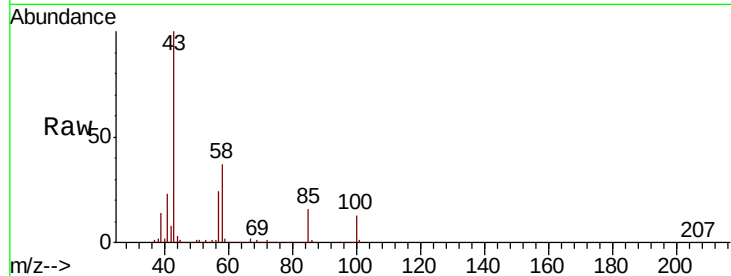
ClientSampleId :

Tgt Ion: 43 Resp: 1748396

Ion Ratio Lower Upper

43 100

58 37.1 29.7 44.5

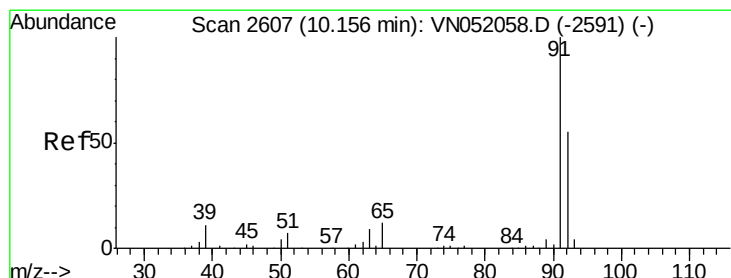
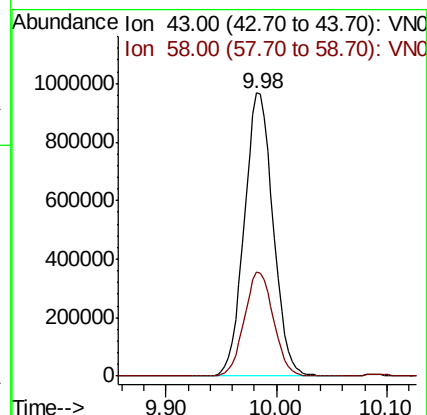
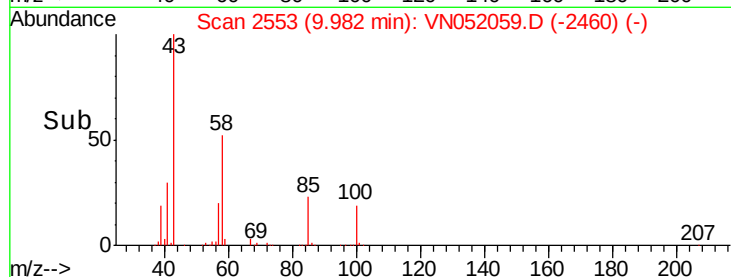


Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)

9.98

Time-->



#52

Toluene

Concen: 109.434 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052059.D

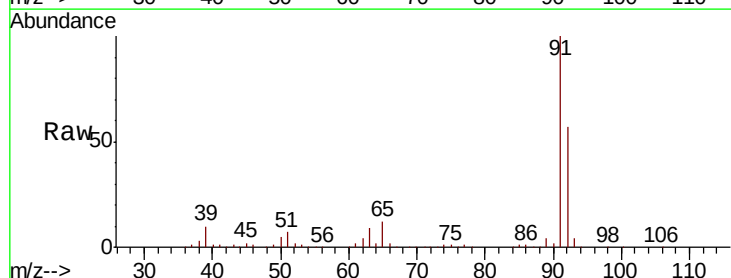
Acq: 30 Oct 2018 11:12

Tgt Ion: 92 Resp: 987850

Ion Ratio Lower Upper

92 100

91 176.5 143.9 215.9

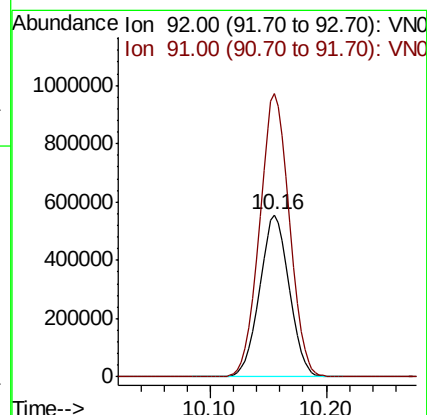
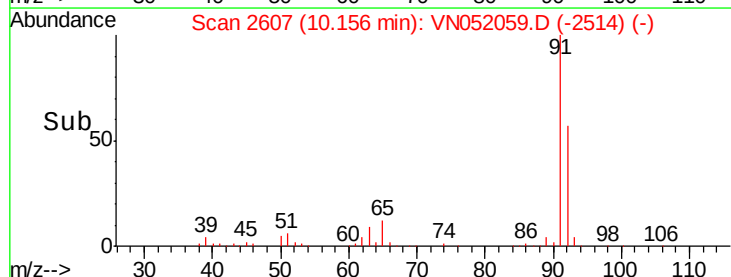


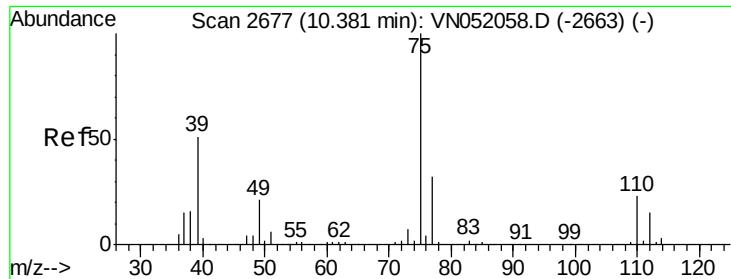
Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)

10.16

Time-->





#53

t-1,3-Dichloropropene

Concen: 113.896 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

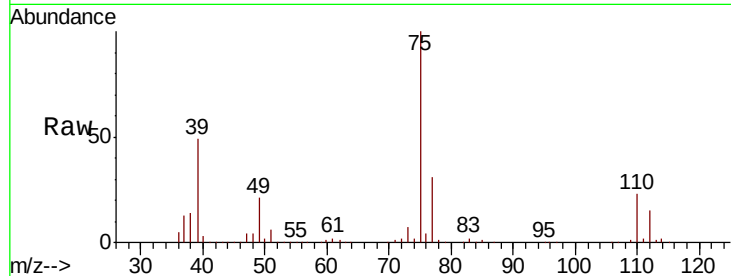
ClientSampled :

Tgt Ion: 75 Resp: 591036

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

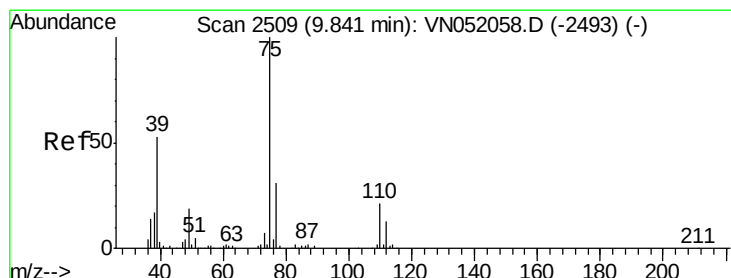
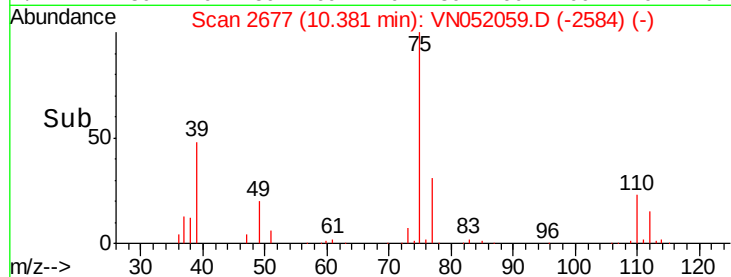
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 117.025 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

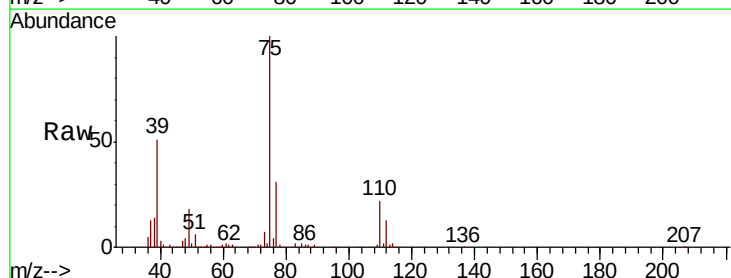
Tgt Ion: 75 Resp: 658426

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

39 50.5 42.3 63.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

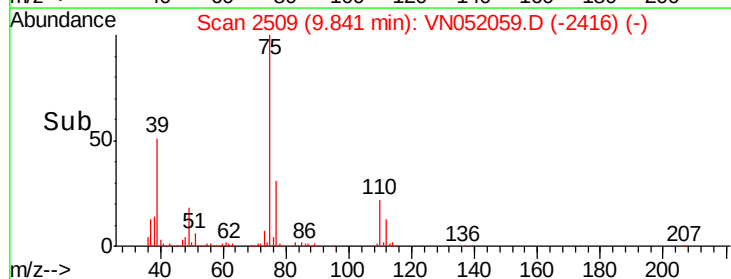
300000

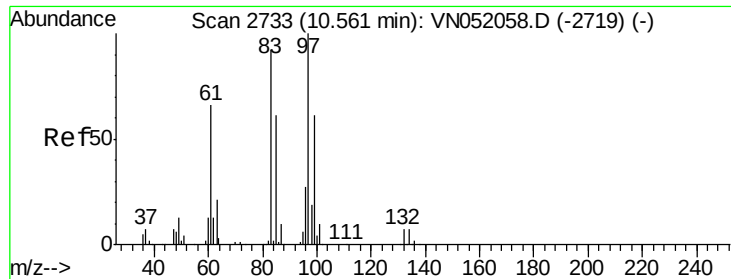
200000

100000

0

Time-->

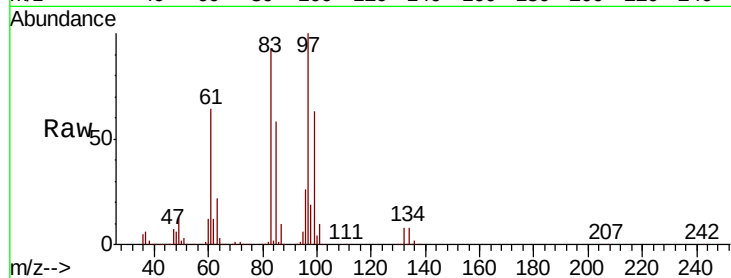




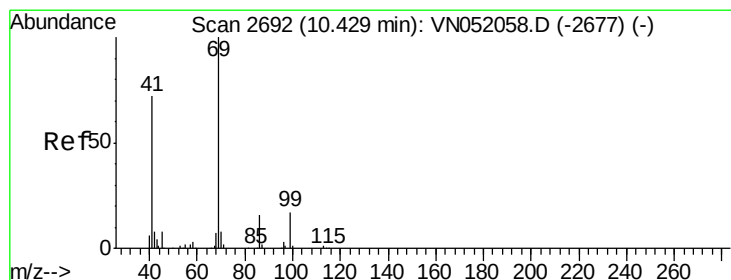
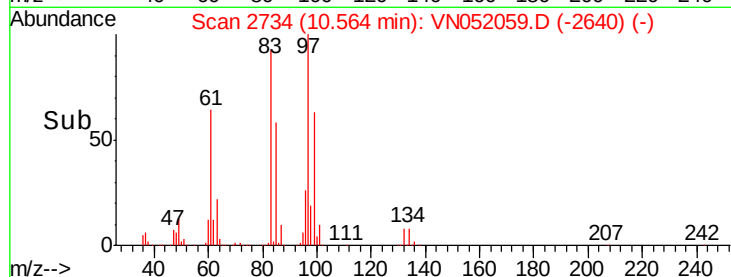
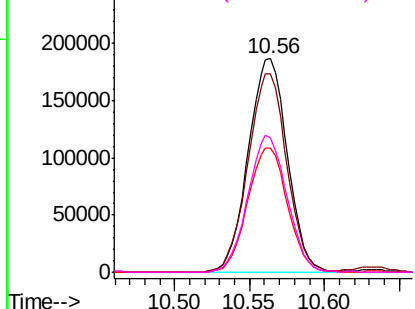
#55
 1,1,2-Trichloroethane
 Concen: 105.198 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 97 Resp: 339719
 Ion Ratio Lower Upper
 97 100
 83 92.7 73.8 110.8
 85 58.4 48.4 72.6
 99 62.7 48.6 72.8

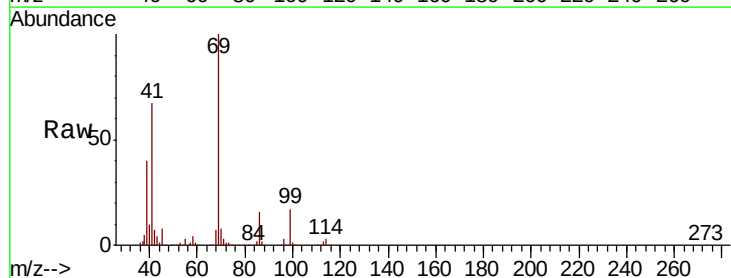


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

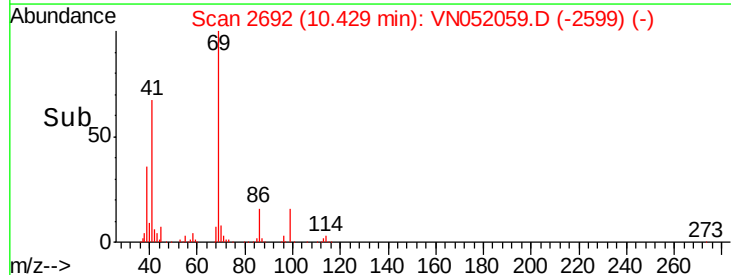
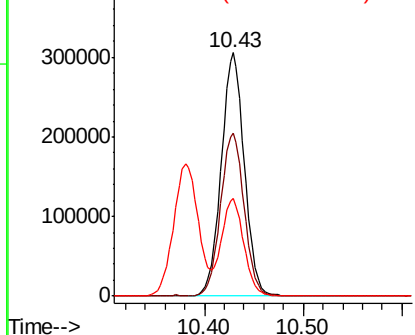


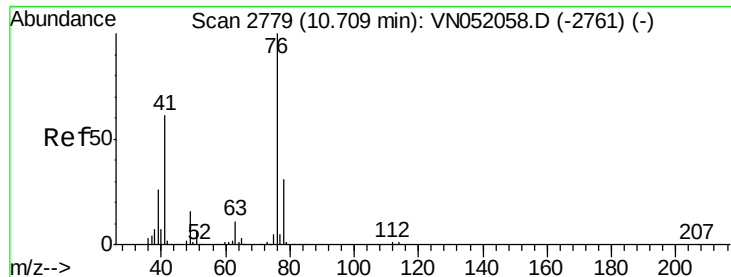
#56
 Ethyl methacrylate
 Concen: 106.588 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 69 Resp: 503622
 Ion Ratio Lower Upper
 69 100
 41 67.5 55.5 83.3
 39 38.7 33.0 49.4



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

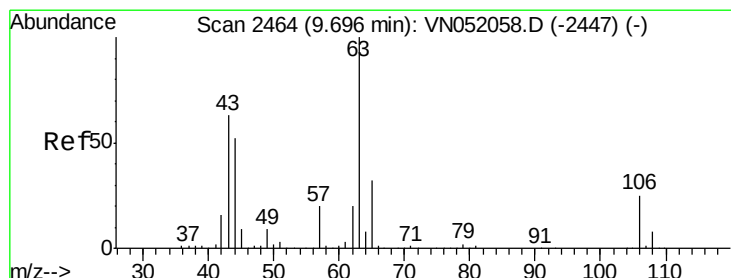
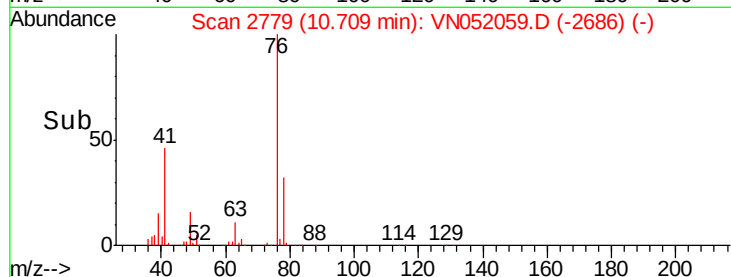
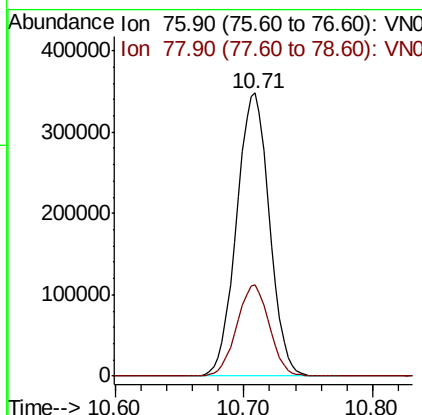
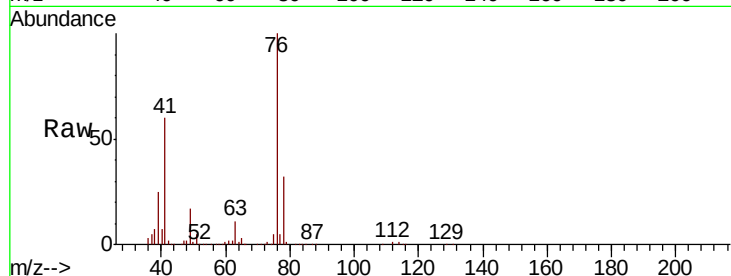




#57
 1,3-Dichloropropane
 Concen: 103.948 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

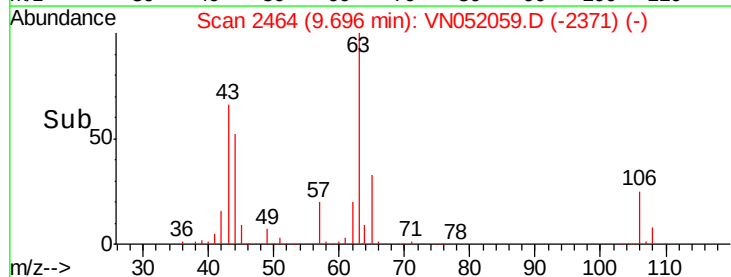
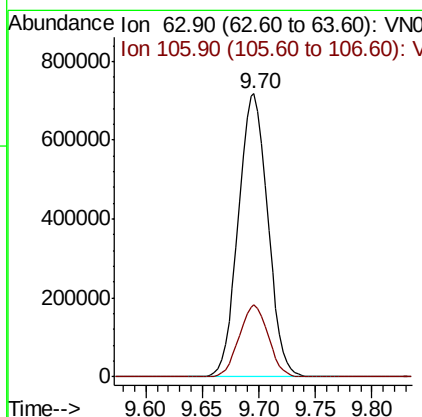
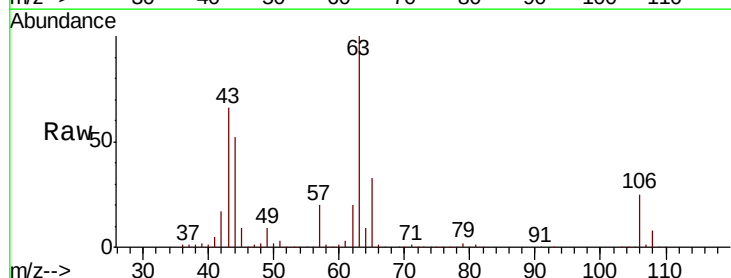
Instrument :
 MSVOA_N
 ClientSampled :

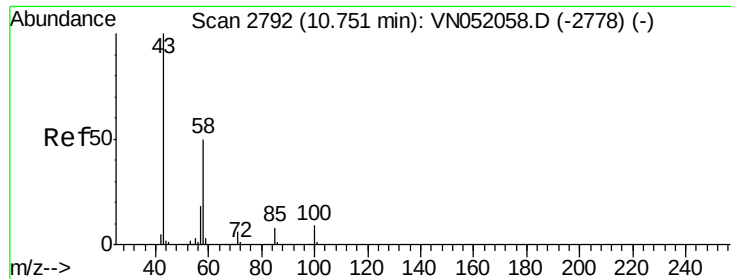
Tgt Ion: 76 Resp: 617568
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 540.363 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 63 Resp: 1308021
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.2

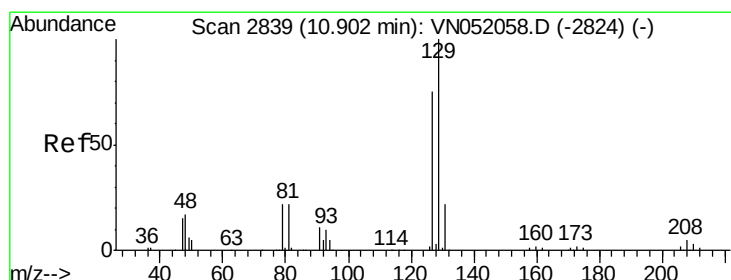
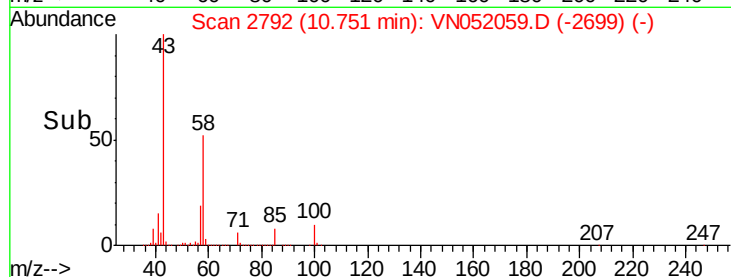
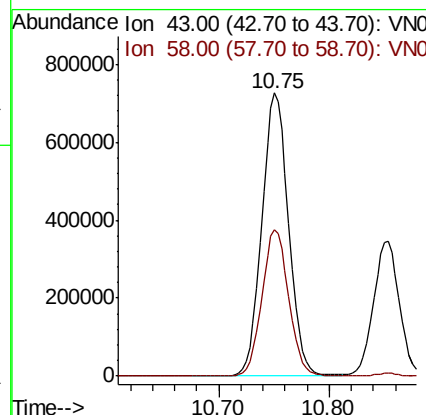
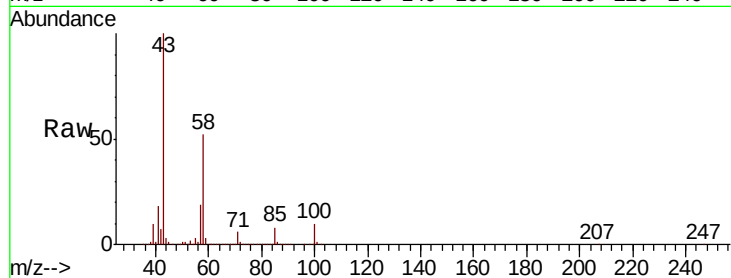




#59
2-Hexanone
Concen: 508.845 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

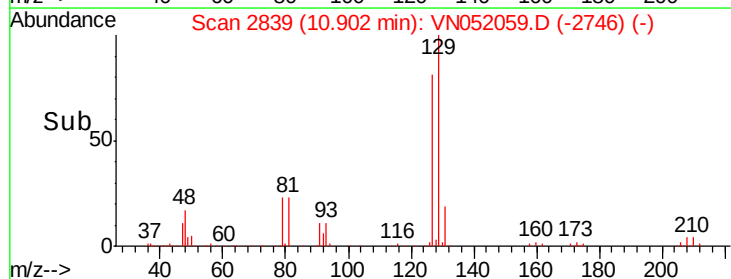
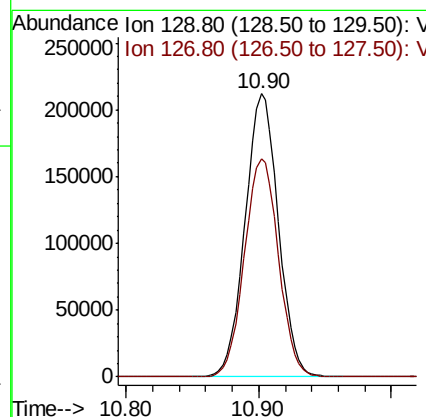
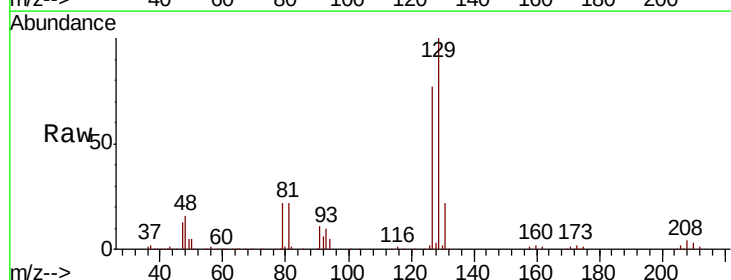
Instrument :
MSVOA_N
ClientSampled :

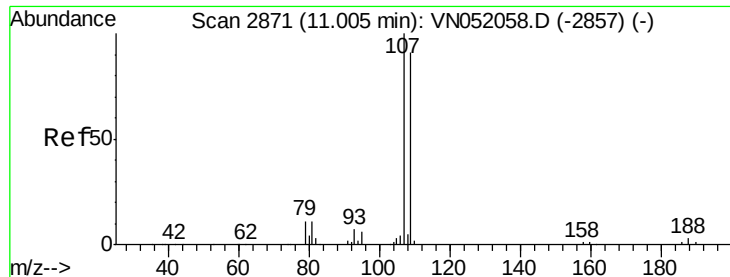
Tgt Ion: 43 Resp: 1215323
Ion Ratio Lower Upper
43 100
58 51.9 25.2 75.6



#60
Dibromochloromethane
Concen: 120.627 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 129 Resp: 370363
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 109.996 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

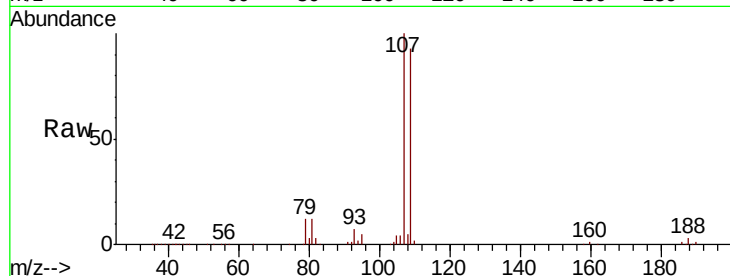
ClientSampleId :

Tgt Ion: 107 Resp: 352559

Ion Ratio Lower Upper

107 100

109 93.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

150000

100000

50000

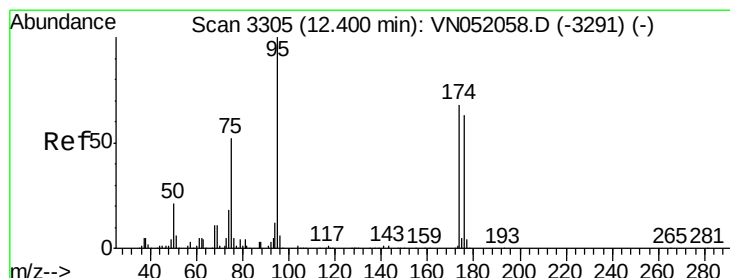
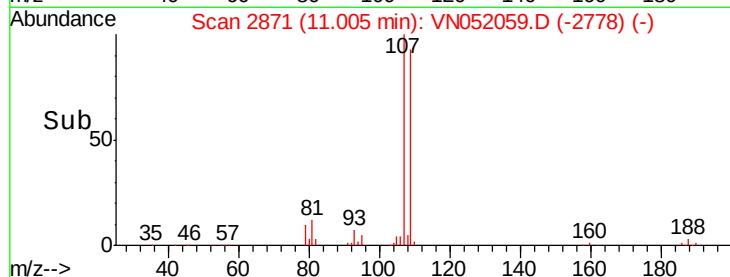
0

11.00

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 109.996 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

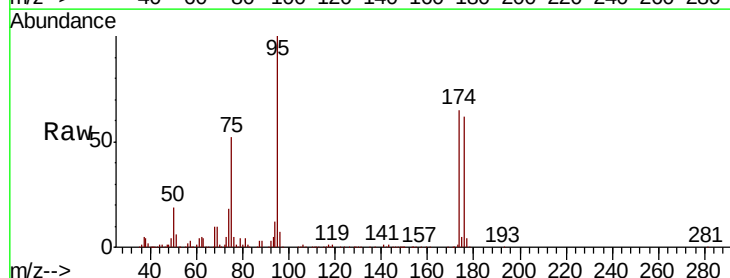
Tgt Ion: 95 Resp: 498536

Ion Ratio Lower Upper

95 100

174 65.5 0.0 131.8

176 62.6 0.0 126.0



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

400000

300000

200000

100000

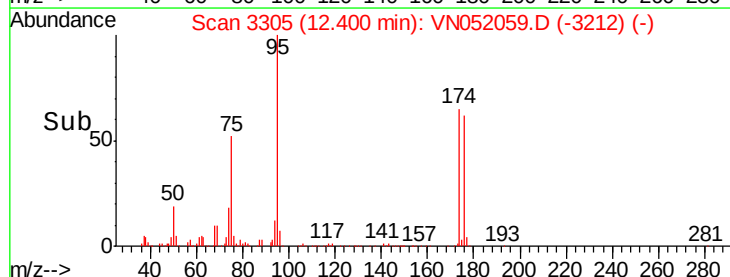
0

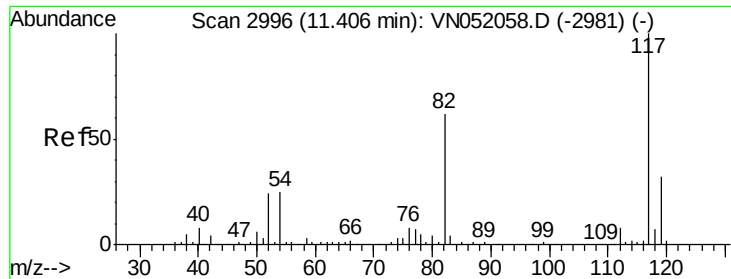
12.40

12.35

12.45

Time-->

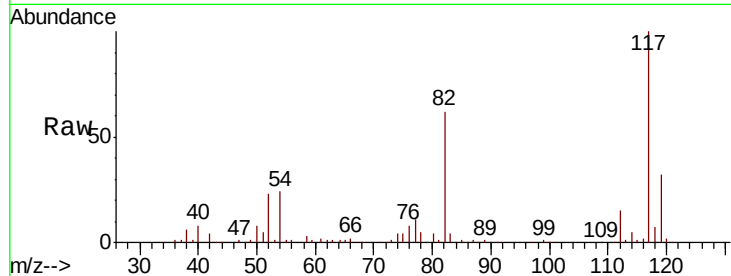




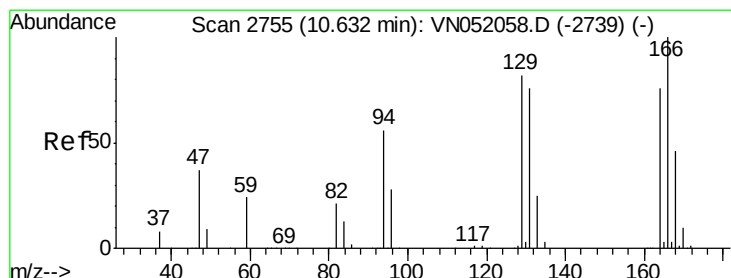
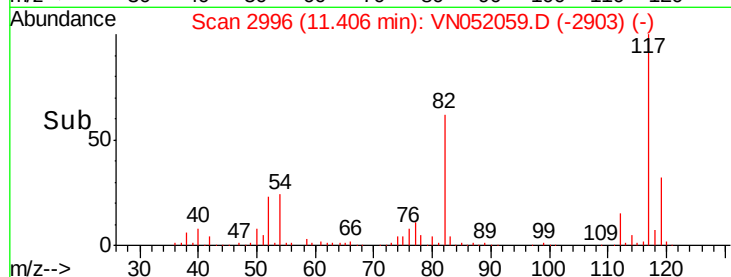
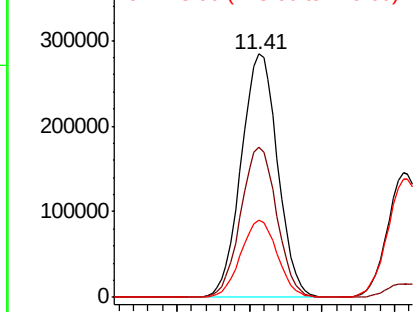
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 498088
Ion Ratio Lower Upper
117 100
82 61.8 49.9 74.9
119 31.8 25.7 38.5

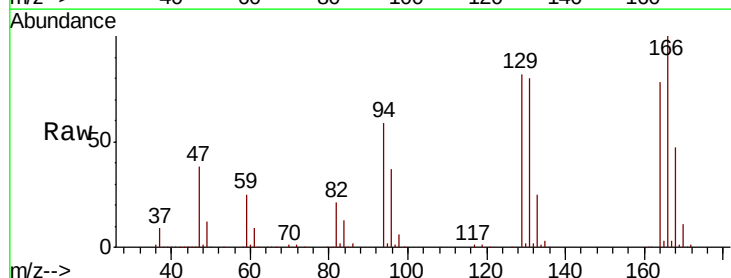


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

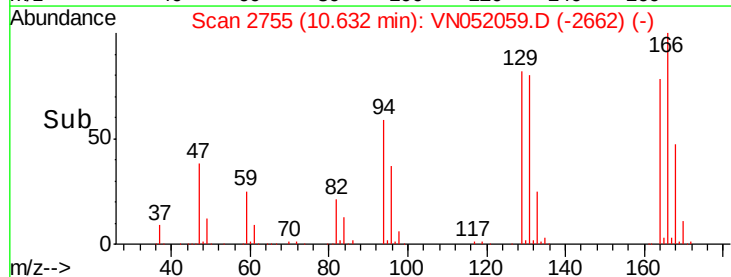
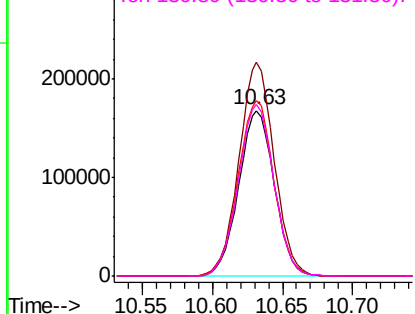


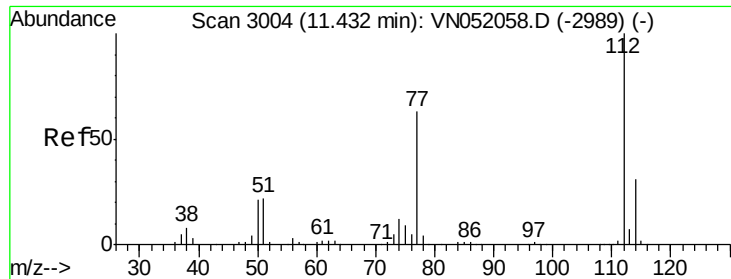
#64
Tetrachloroethene
Concen: 103.535 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion:164 Resp: 296412
Ion Ratio Lower Upper
164 100
166 129.0 105.4 158.0
129 106.0 86.1 129.1
131 103.4 80.3 120.5



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

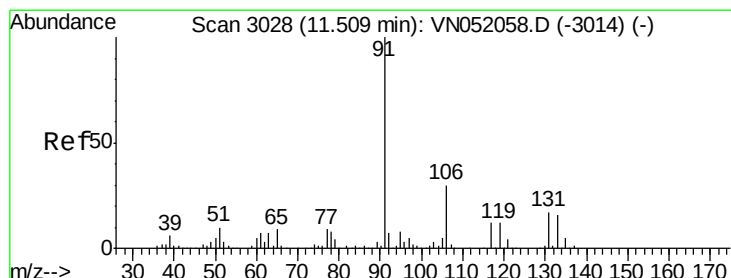
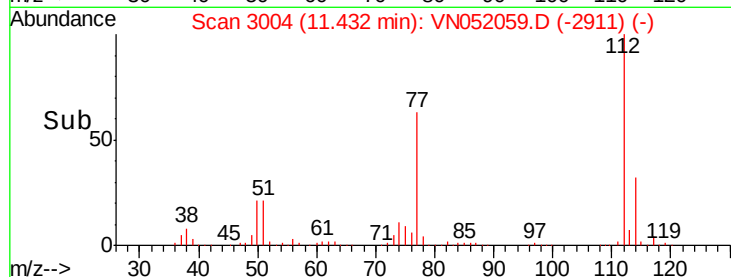
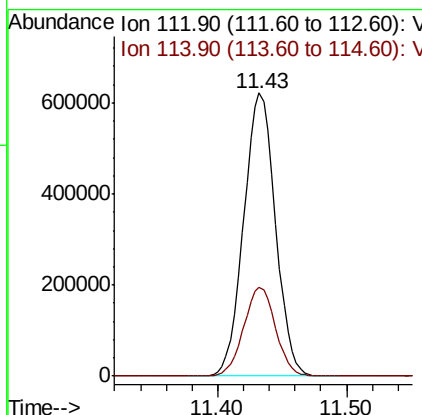
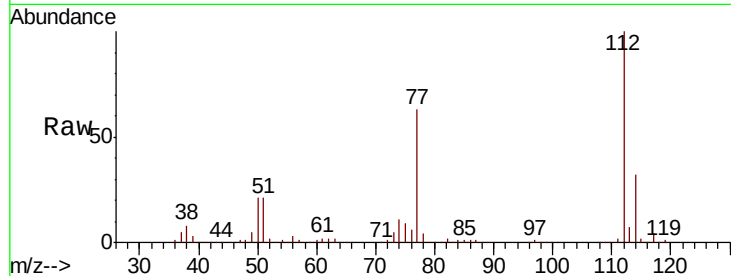




#65
Chlorobenzene
Concen: 104.166 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

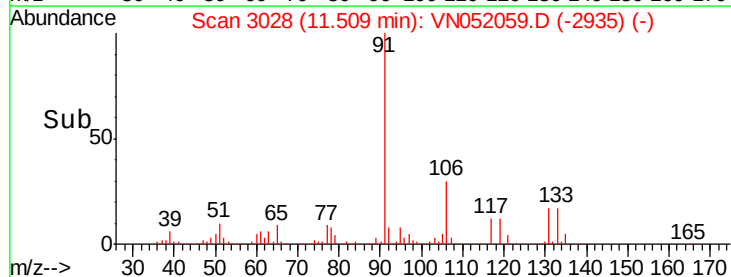
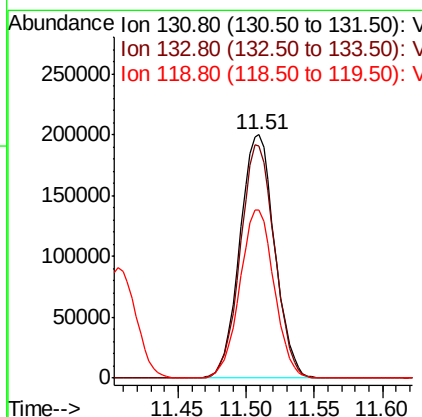
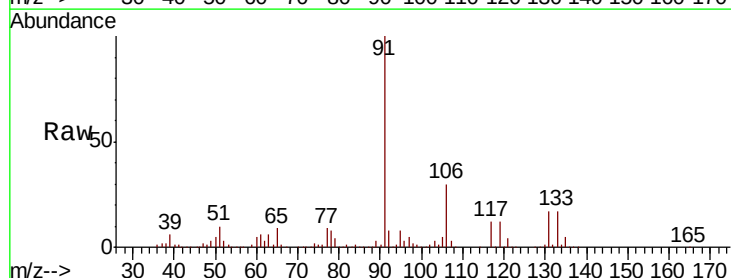
Instrument :
MSVOA_N
ClientSampleId :

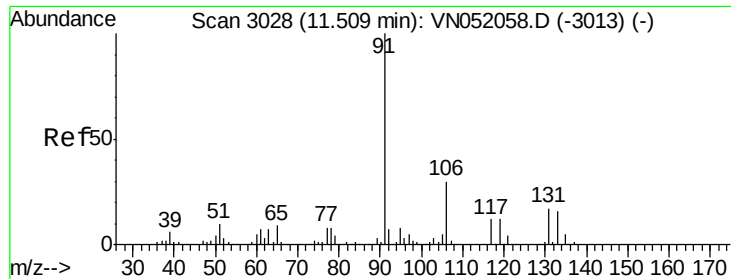
Tgt Ion:112 Resp: 1063878
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 113.623 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion:131 Resp: 353990
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 68.4 34.4 103.2

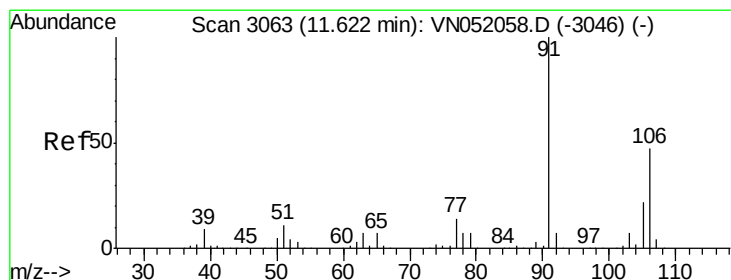
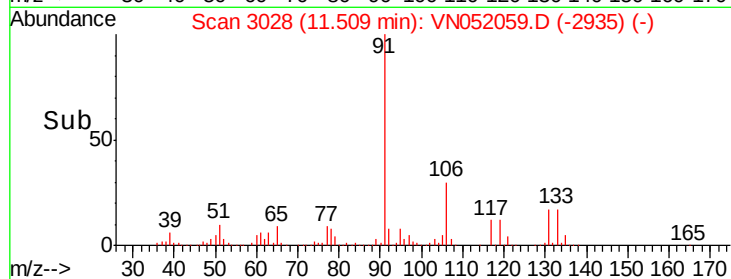
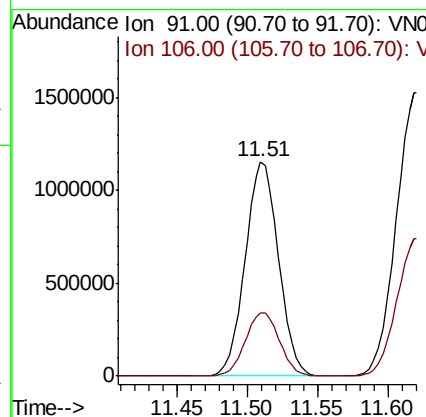
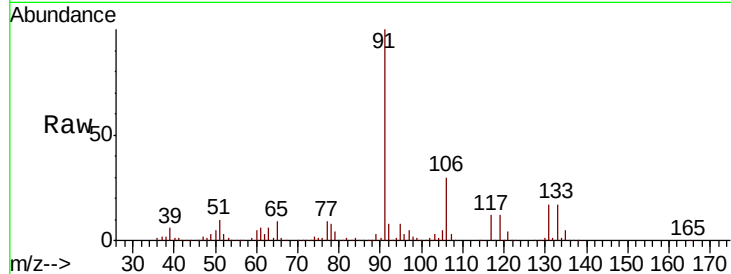




#67
 Ethyl Benzene
 Concen: 107.025 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

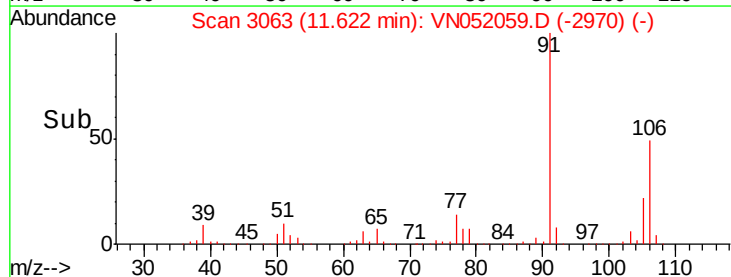
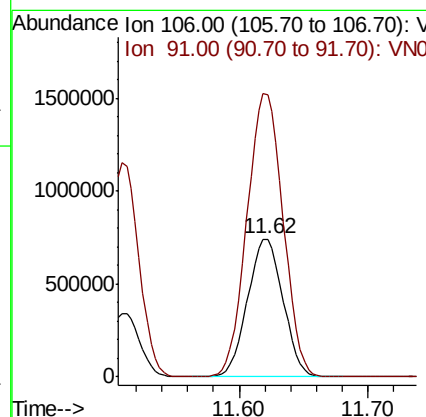
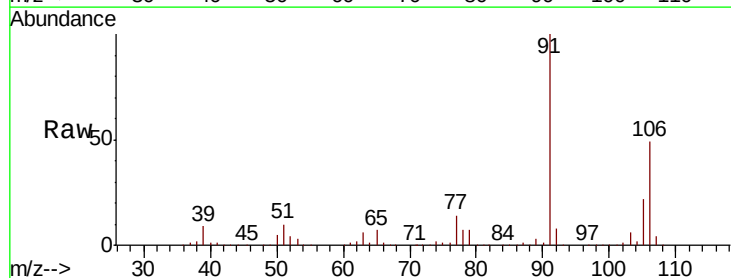
Instrument :
 MSVOA_N
 ClientSampled :

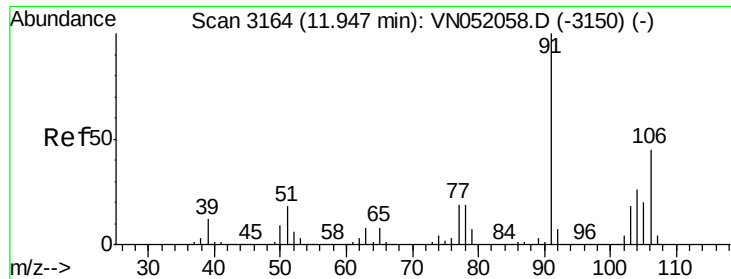
Tgt Ion: 91 Resp: 1914733
 Ion Ratio Lower Upper
 91 100
 106 29.8 24.1 36.1



#68
 m/p-Xylenes
 Concen: 228.866 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 106 Resp: 1421131
 Ion Ratio Lower Upper
 106 100
 91 209.2 168.7 253.1

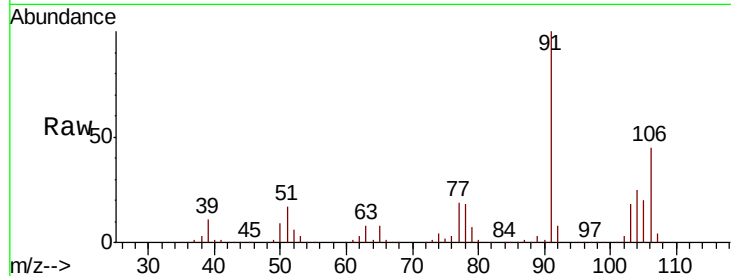




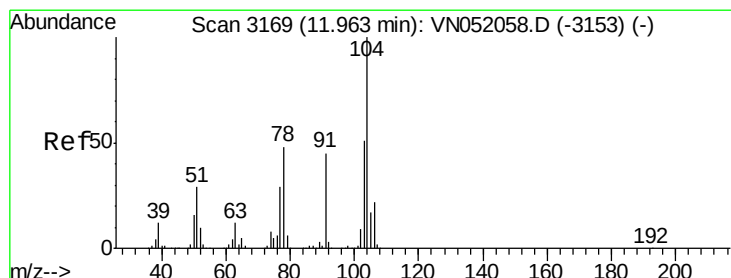
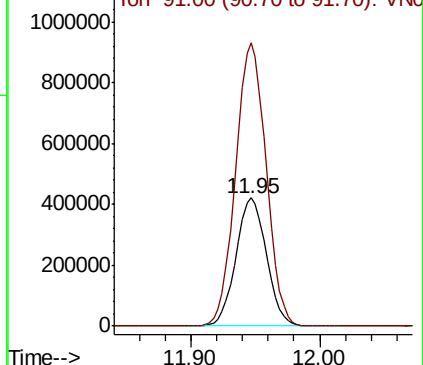
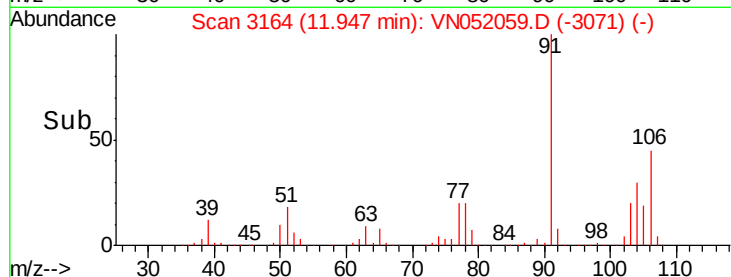
#69
o-Xylene
Concen: 114.277 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:106 Resp: 692179
Ion Ratio Lower Upper
106 100
91 221.4 109.6 328.6

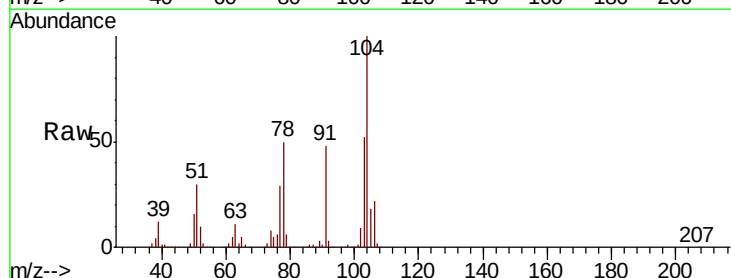


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

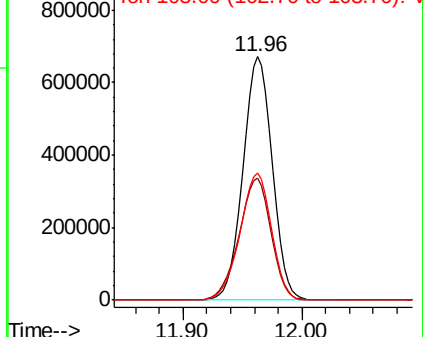
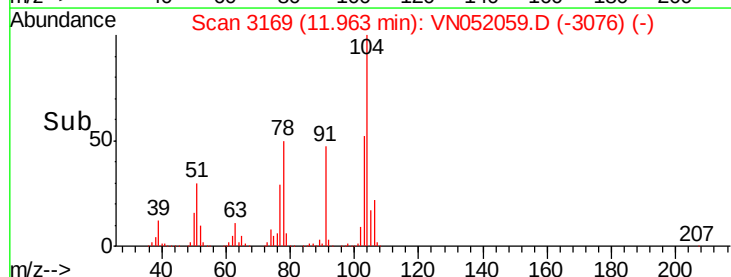


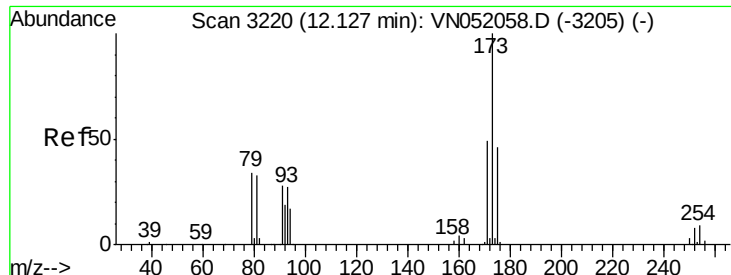
#70
Styrene
Concen: 114.382 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion:104 Resp: 1142312
Ion Ratio Lower Upper
104 100
78 54.8 43.0 64.6
103 56.2 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 130.696 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

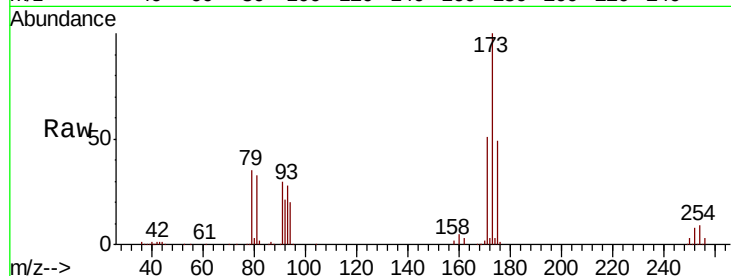
Tgt Ion:173 Resp: 216711

Ion Ratio Lower Upper

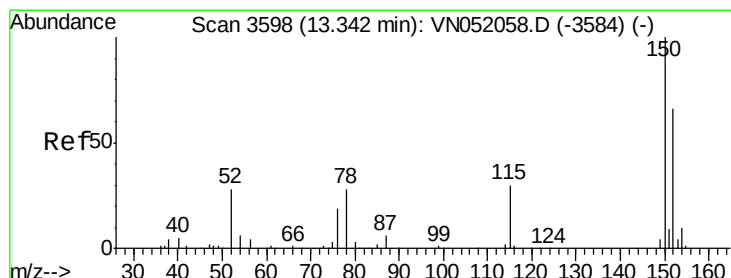
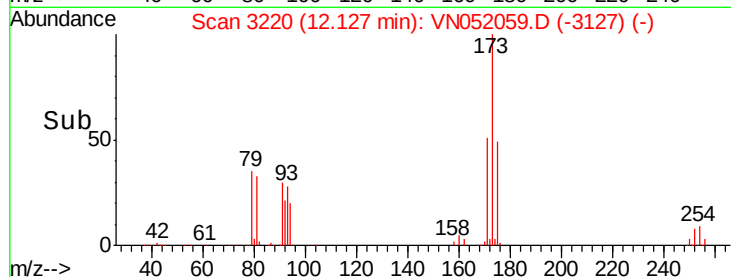
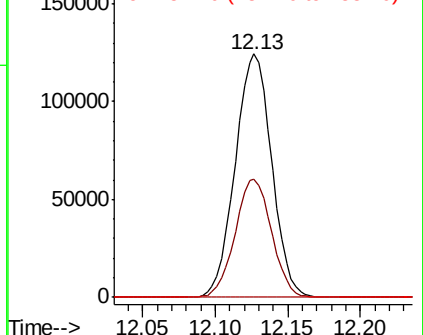
173 100

175 48.6 23.9 71.7

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

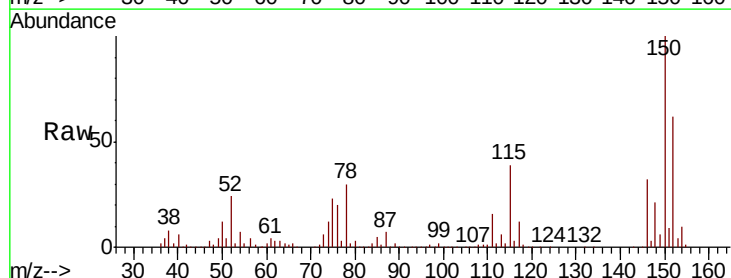
Tgt Ion:152 Resp: 222063

Ion Ratio Lower Upper

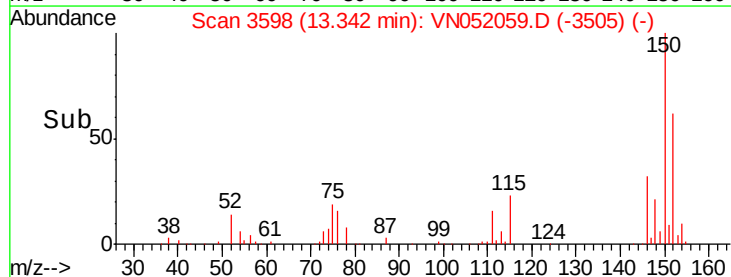
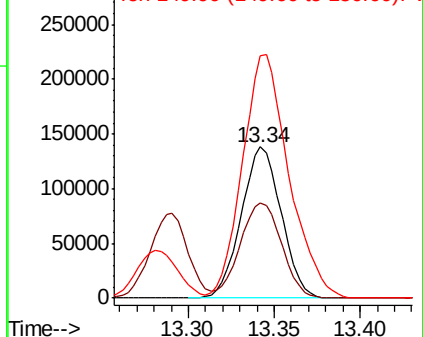
152 100

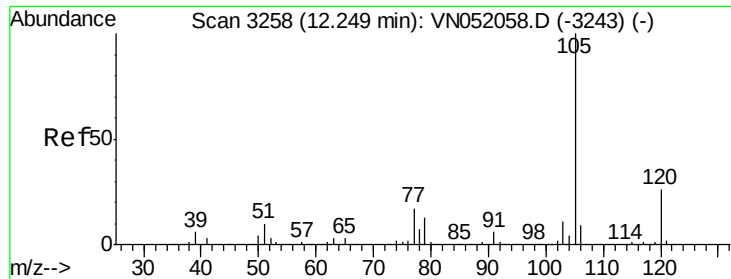
115 65.5 31.6 95.0

150 187.7 0.0 345.0



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





#73

Isopropylbenzene

Concen: 107.204 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

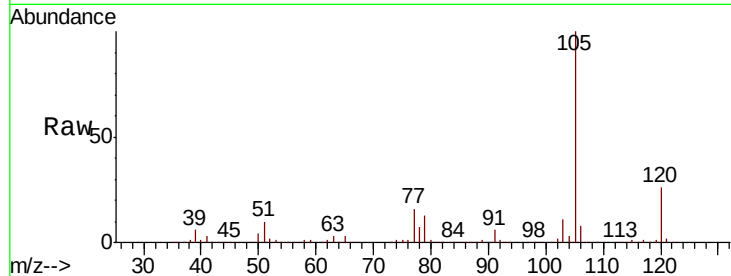
ClientSampled :

Tgt Ion:105 Resp: 1875789

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1200000

1000000

800000

600000

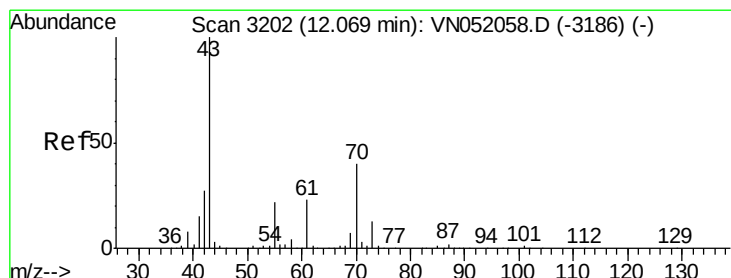
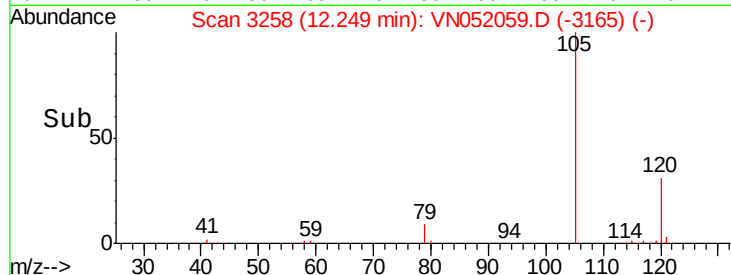
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 94.232 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Tgt Ion: 43 Resp: 626592

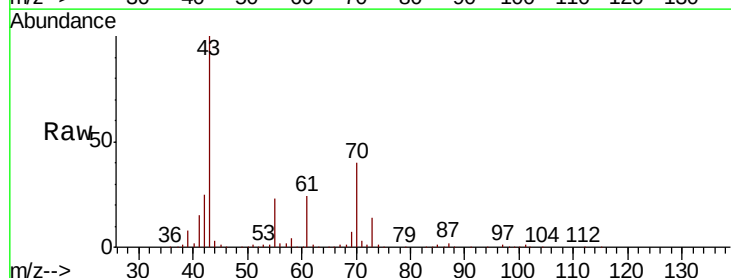
Ion Ratio Lower Upper

43 100

70 39.5 31.9 47.9

55 22.9 18.4 27.6

61 23.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

600000

500000

400000

300000

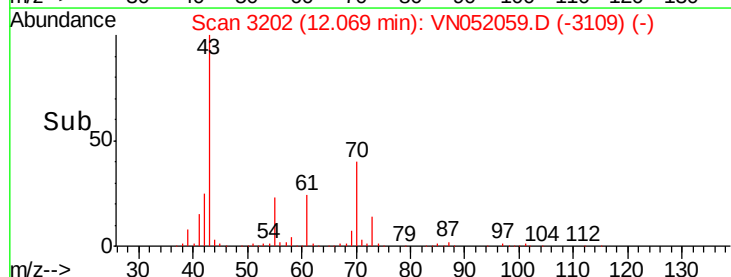
200000

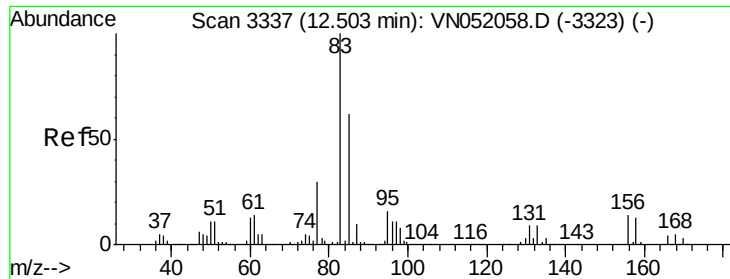
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 98.178 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

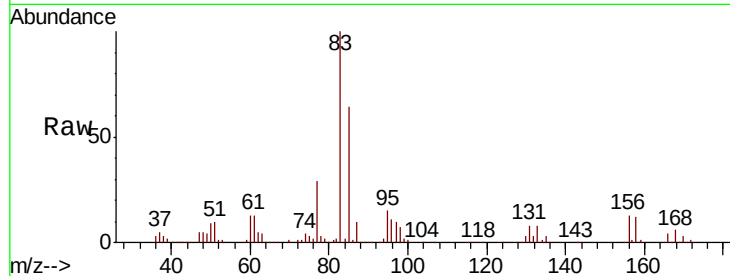
Tgt Ion: 83 Resp: 433005

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.4

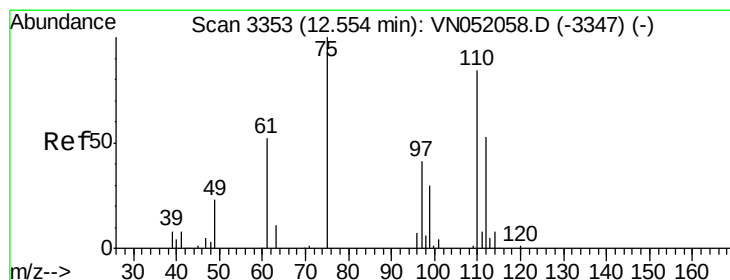
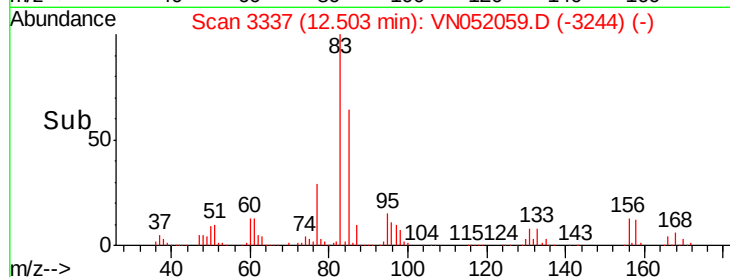
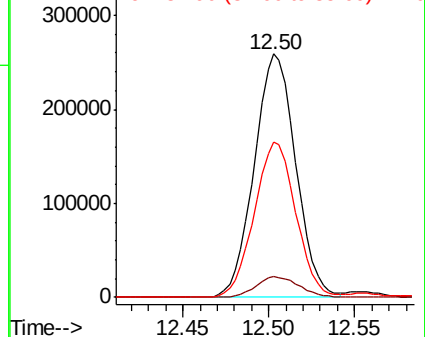
85 63.7 31.3 93.9



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: 154.644 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052059.D

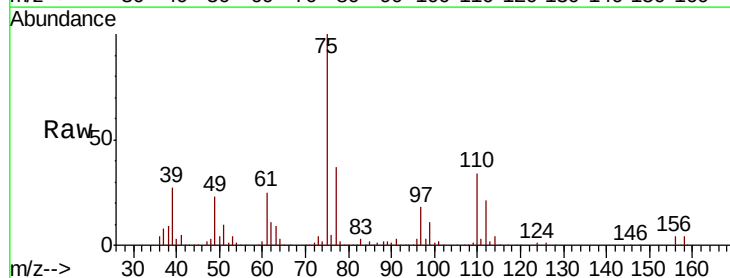
Acq: 30 Oct 2018 11:12

Tgt Ion: 75 Resp: 581454

Ion Ratio Lower Upper

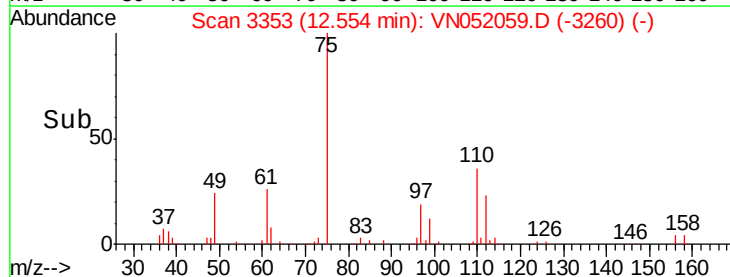
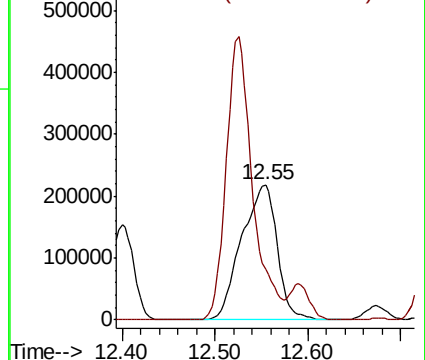
75 100

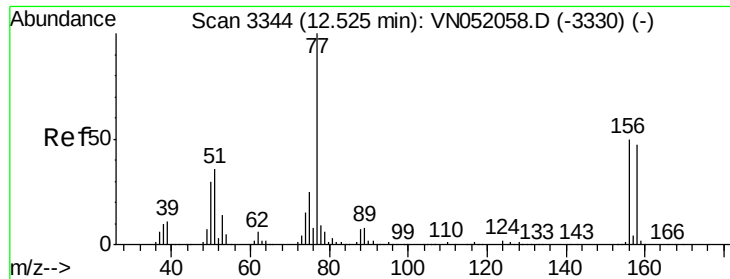
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

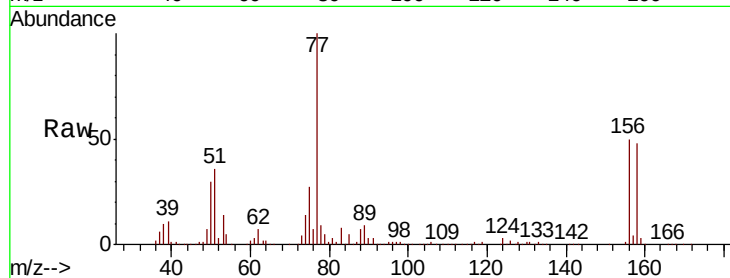




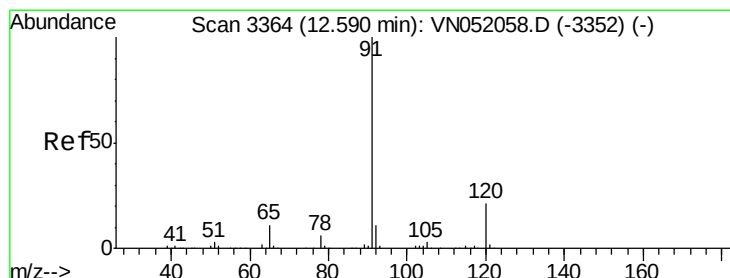
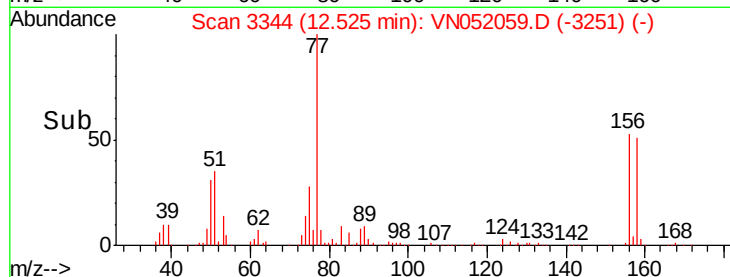
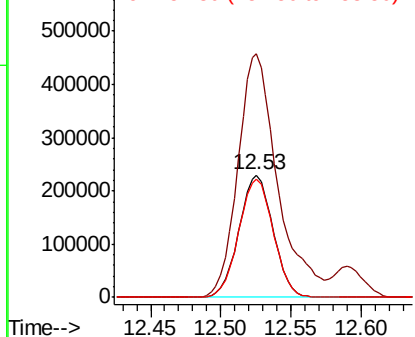
#77
Bromobenzene
Concen: 102.760 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:156 Resp: 389816
Ion Ratio Lower Upper
156 100
77 231.3 119.6 358.6
158 97.8 47.8 143.4

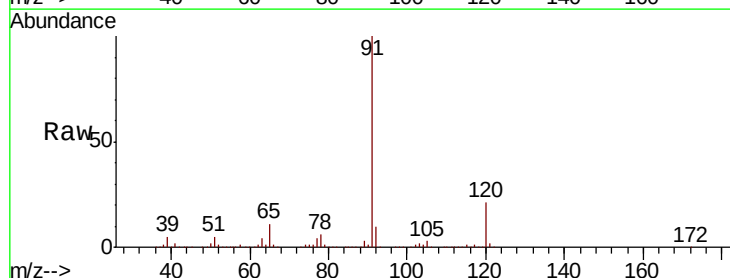


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

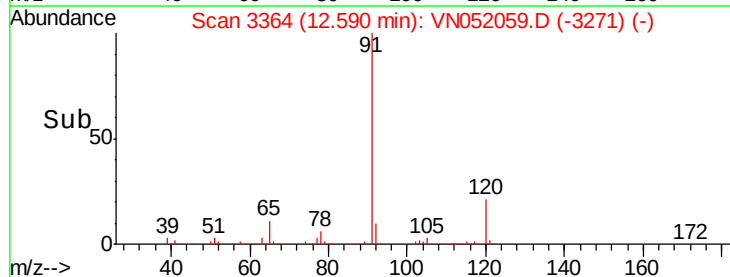
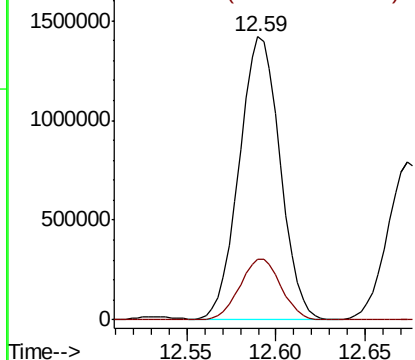


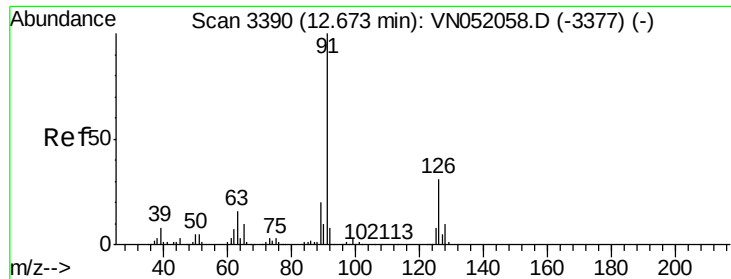
#78
n-propylbenzene
Concen: 102.943 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052059.D
Acq: 30 Oct 2018 11:12

Tgt Ion: 91 Resp: 2263999
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 105.849 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

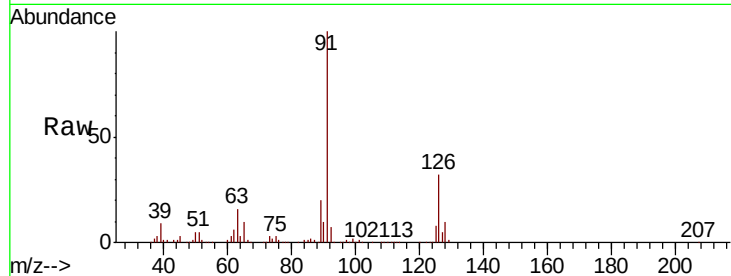
ClientSampleId :

Tgt Ion: 91 Resp: 1307296

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN052059.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052059.D (-3377) (-)

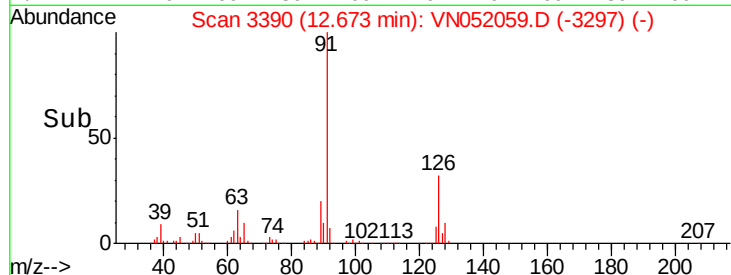
1500000

1000000

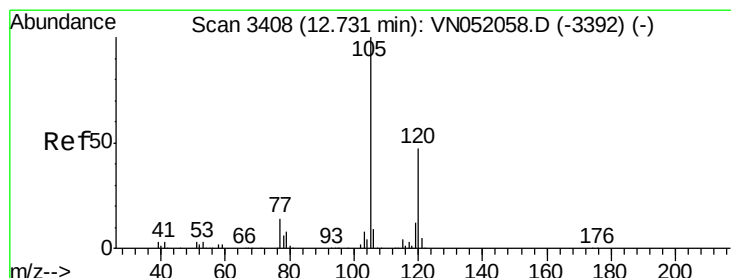
500000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.313 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052059.D

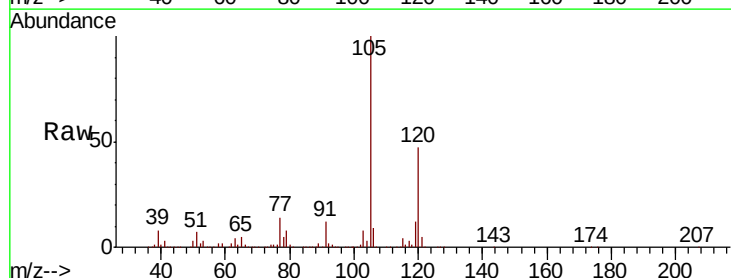
Acq: 30 Oct 2018 11:12

Tgt Ion: 105 Resp: 1531247

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052059.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052059.D (-3392) (-)

1000000

800000

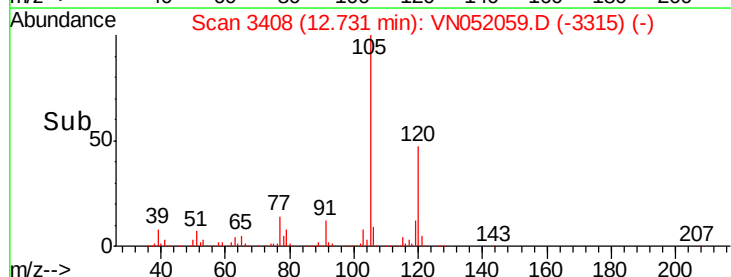
600000

400000

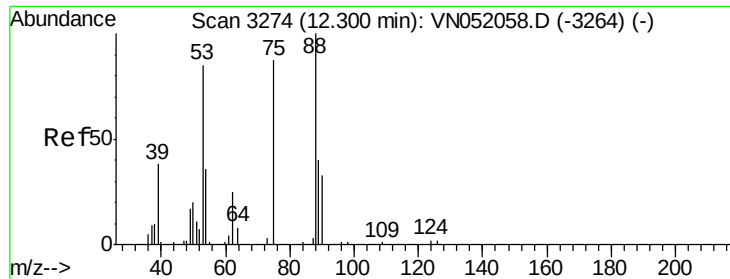
200000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.849 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

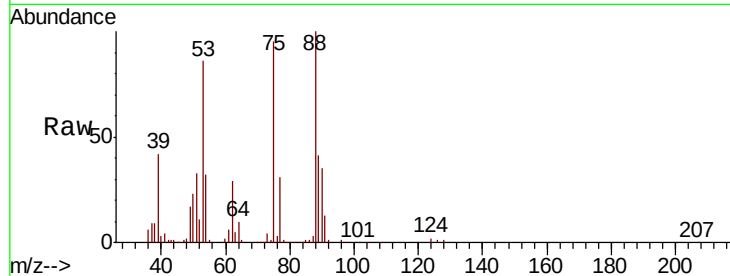
Tgt Ion: 75 Resp: 140400

Ion Ratio Lower Upper

75 100

53 92.3 81.8 122.6

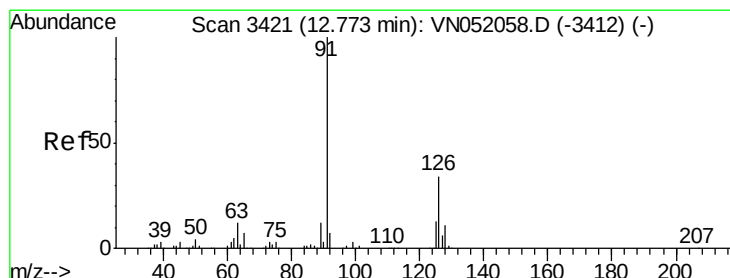
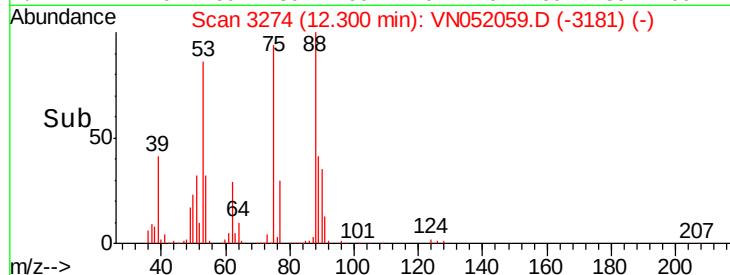
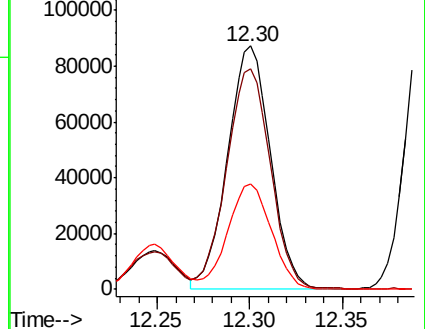
89 43.9 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN052059.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052059.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052059.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 109.194 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052059.D

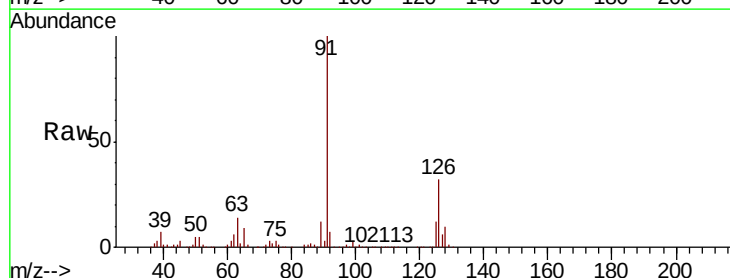
Acq: 30 Oct 2018 11:12

Tgt Ion: 91 Resp: 1364669

Ion Ratio Lower Upper

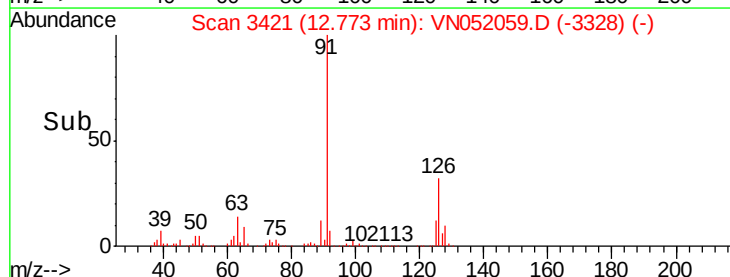
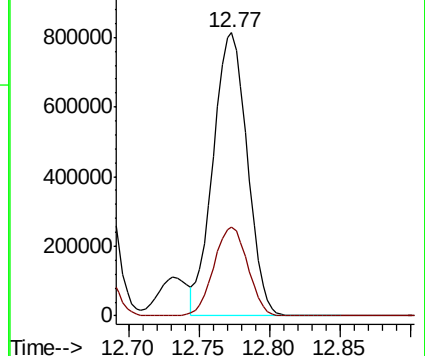
91 100

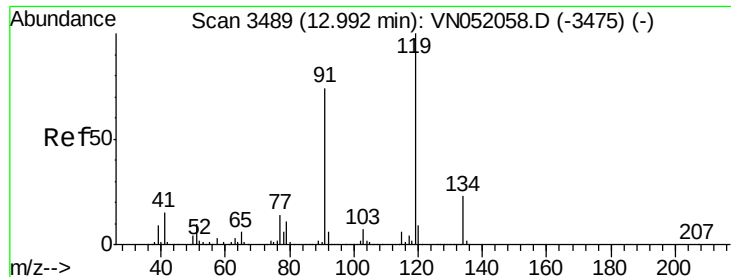
126 31.2 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN052059.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN052059.D (-3328) (-)

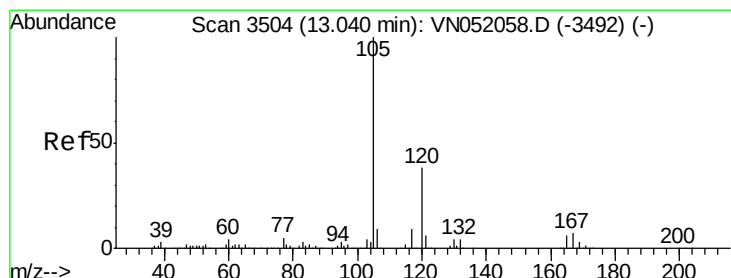
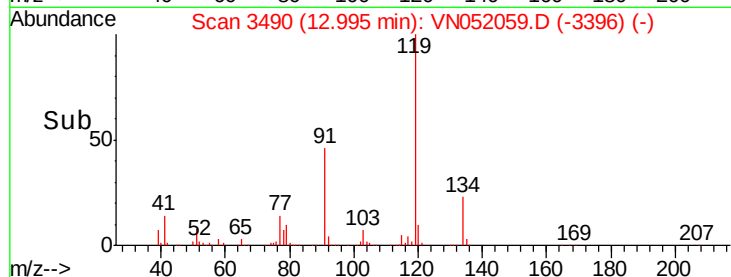
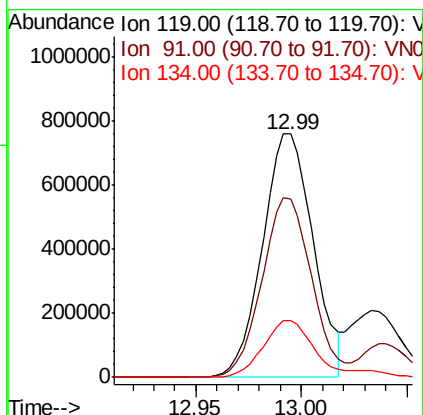
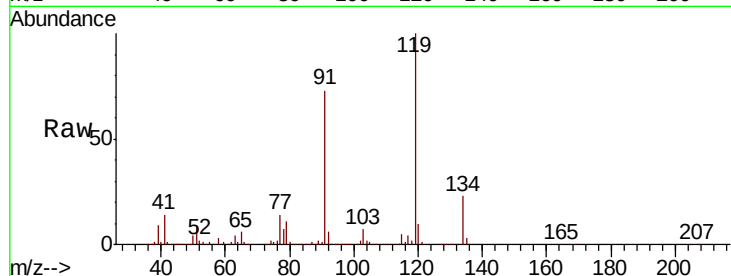




#83
 tert-Butylbenzene
 Concen: 102.581 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

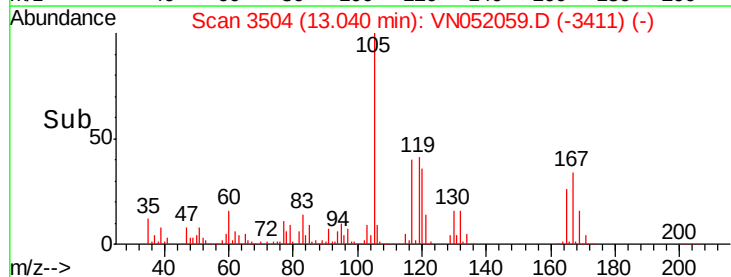
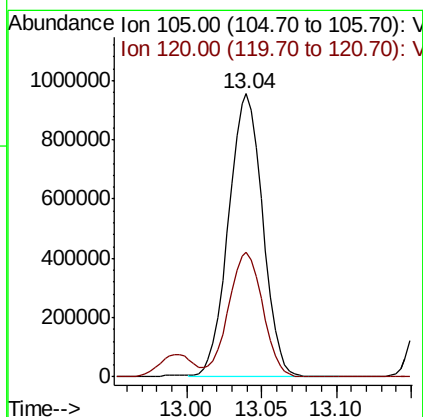
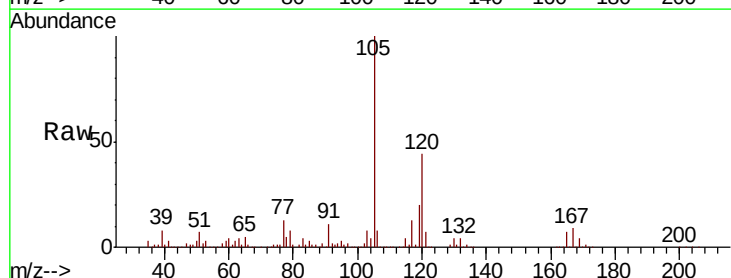
Instrument :
 MSVOA_N
 ClientSampled :

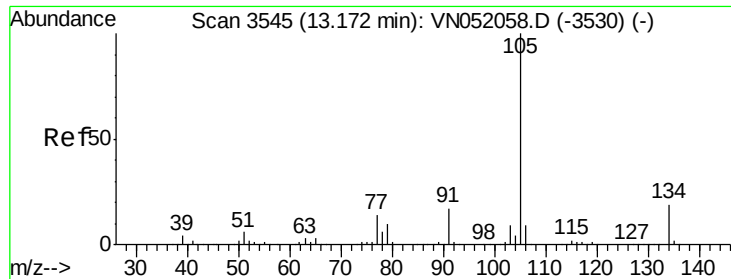
Tgt Ion:119 Resp: 1269250
 Ion Ratio Lower Upper
 119 100
 91 72.0 36.6 109.9
 134 25.0 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 106.680 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion:105 Resp: 1516389
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.5





#85

sec-Butylbenzene

Concen: 104.783 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

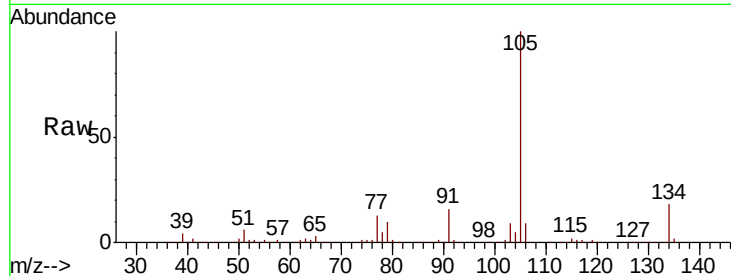
ClientSampleId :

Tgt Ion:105 Resp: 1833901

Ion Ratio Lower Upper

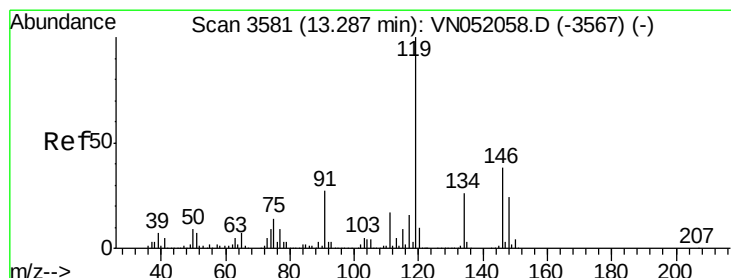
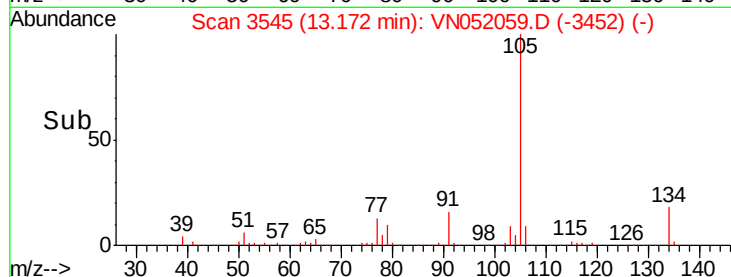
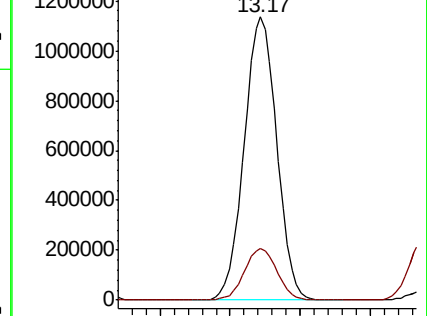
105 100

134 18.2 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 106.026 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

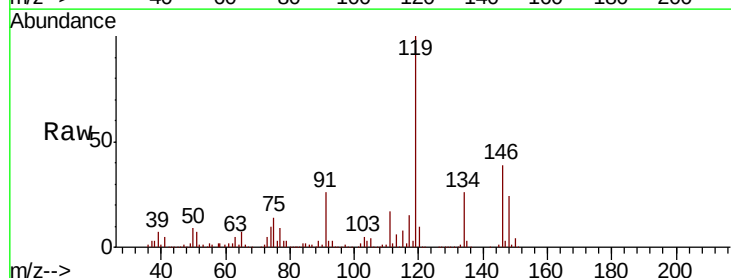
Tgt Ion:119 Resp: 1505098

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

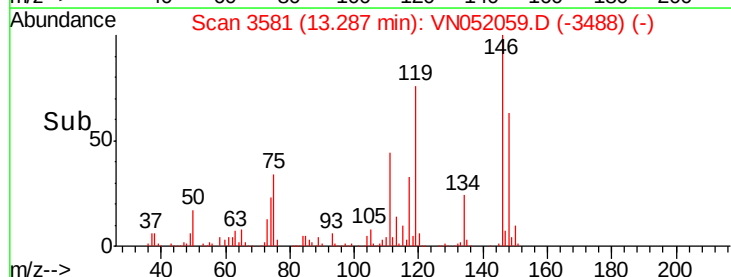
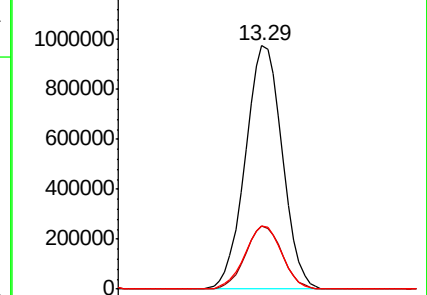
91 26.0 13.4 40.2

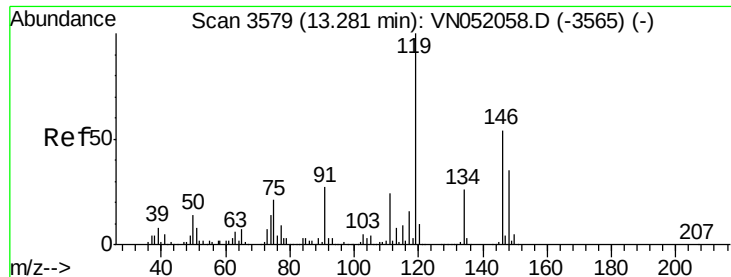


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

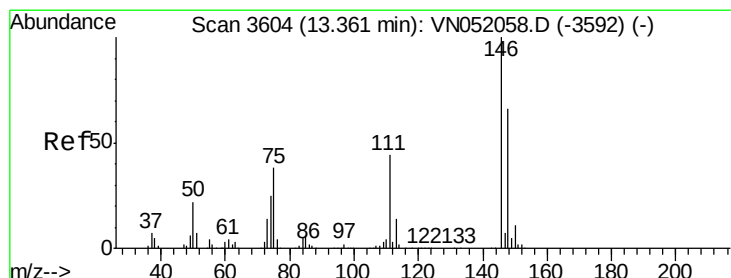
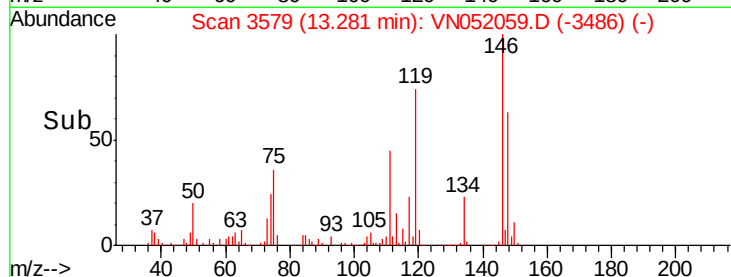
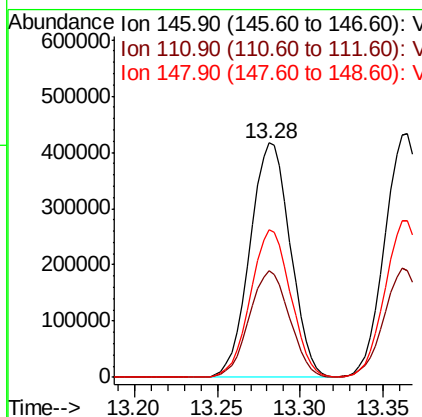
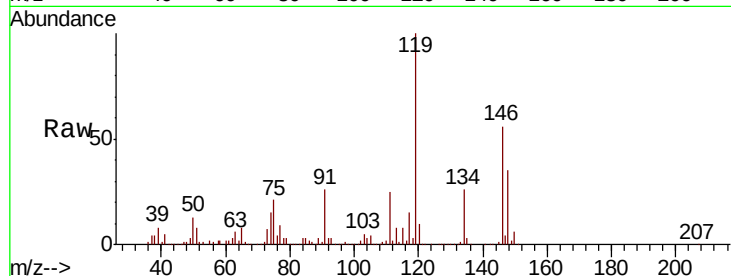




#87
 1,3-Dichlorobenzene
 Concen: 101.909 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

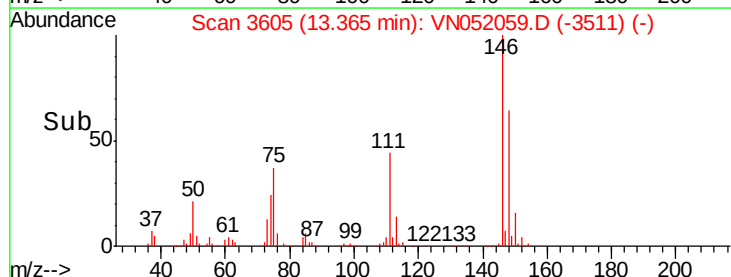
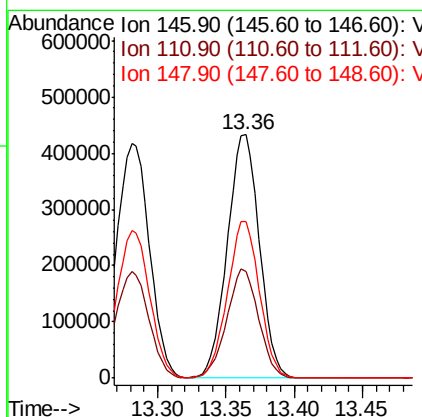
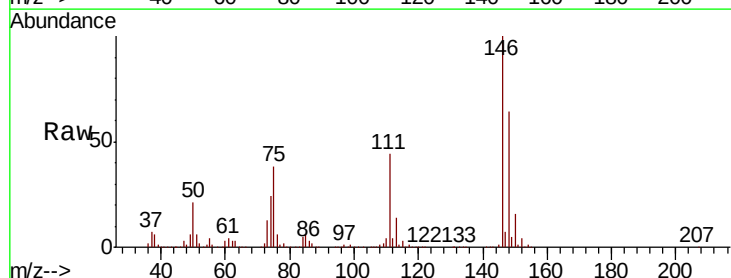
Instrument :
 MSVOA_N
 ClientSampled :

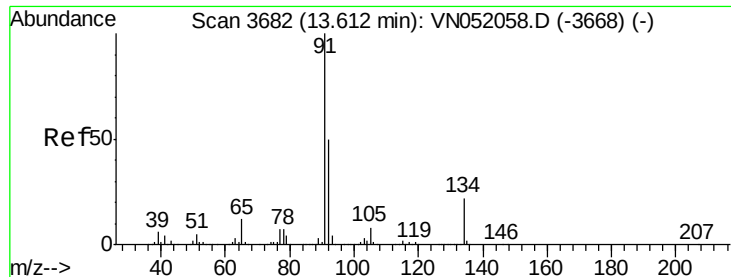
Tgt Ion:146 Resp: 706676
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.8
 148 62.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 100.243 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion:146 Resp: 707507
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.9 65.8
 148 64.0 32.6 98.0





#89

n-Butylbenzene

Concen: 104.506 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

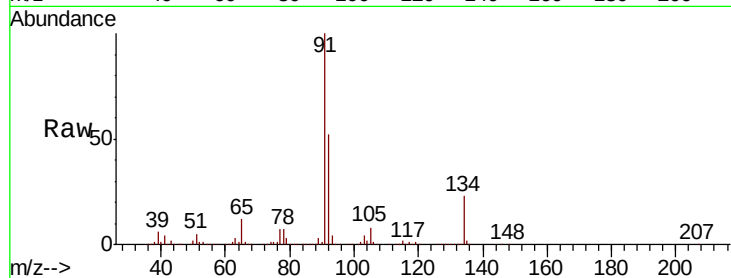
Tgt Ion: 91 Resp: 1433300

Ion Ratio Lower Upper

91 100

92 51.8 25.3 75.8

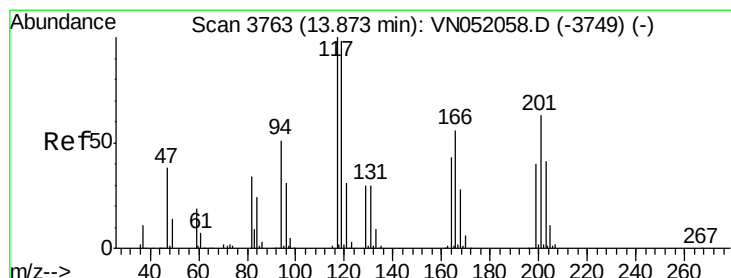
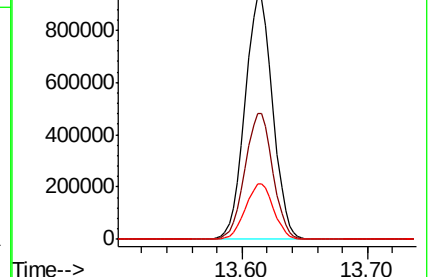
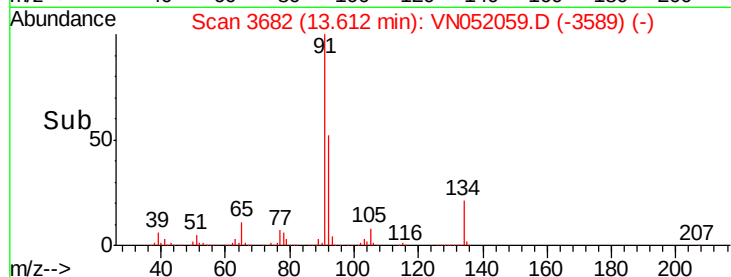
134 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052058.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052058.D (-3668) (-)



#90

Hexachloroethane

Concen: 107.954 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052059.D

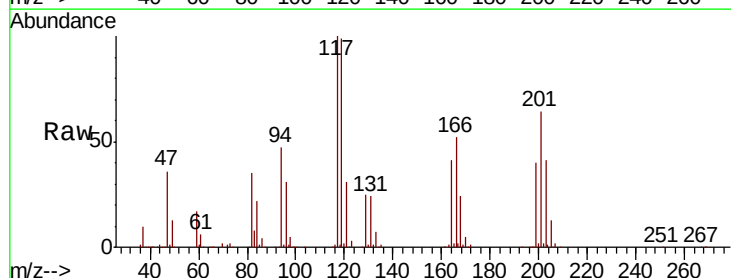
Acq: 30 Oct 2018 11:12

Tgt Ion: 117 Resp: 267140

Ion Ratio Lower Upper

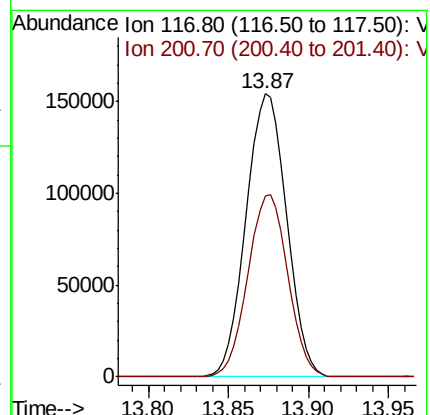
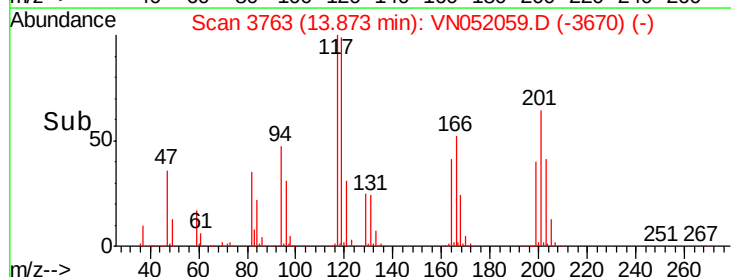
117 100

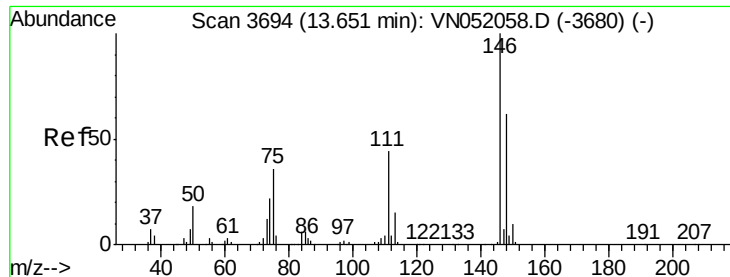
201 63.5 31.1 93.5



Abundance Ion 116.80 (116.50 to 117.50): VN052058.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052058.D (-3749) (-)

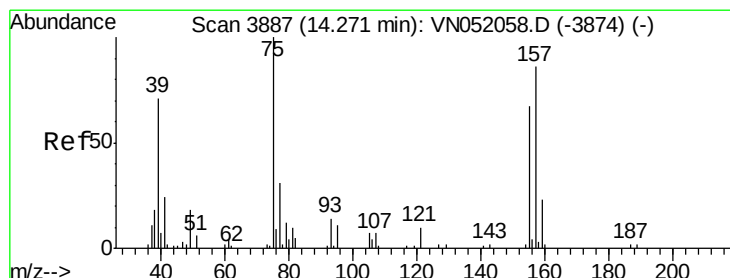
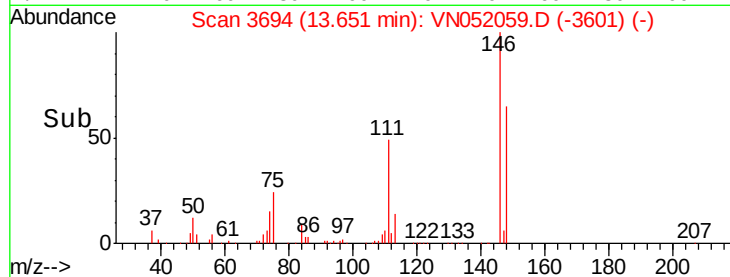
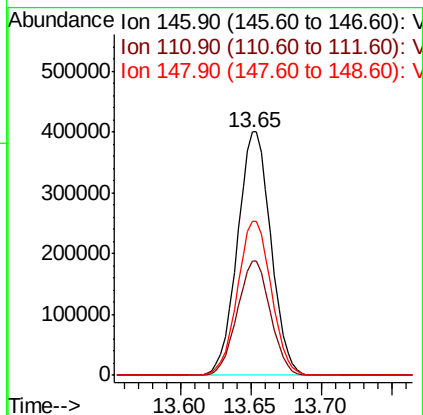
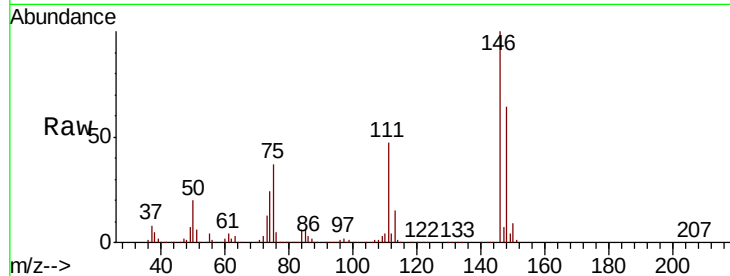




#91
 1,2-Dichlorobenzene
 Concen: 104.609 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

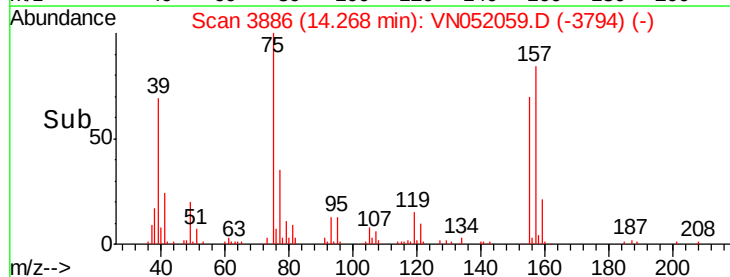
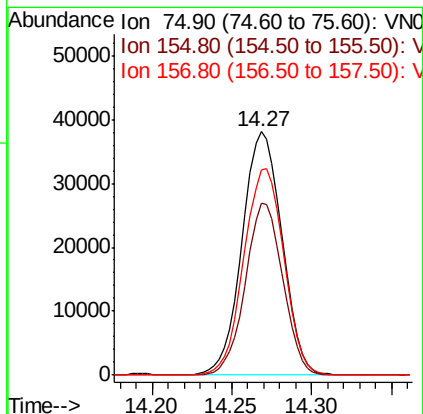
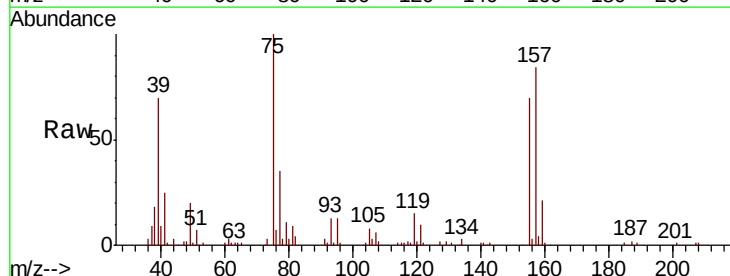
Instrument :
 MSVOA_N
 ClientSampled :

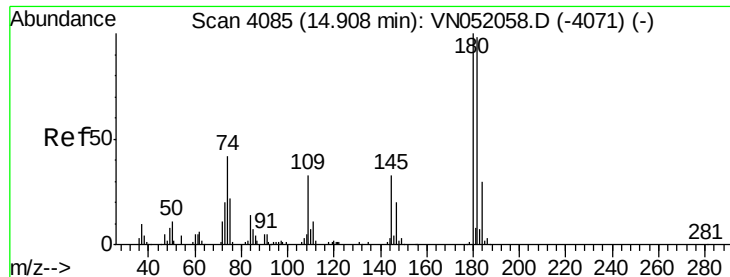
Tgt Ion: 146 Resp: 664934
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.5 67.5
 148 64.0 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.909 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion: 75 Resp: 64883
 Ion Ratio Lower Upper
 75 100
 155 66.2 34.0 102.0
 157 85.2 42.1 126.4

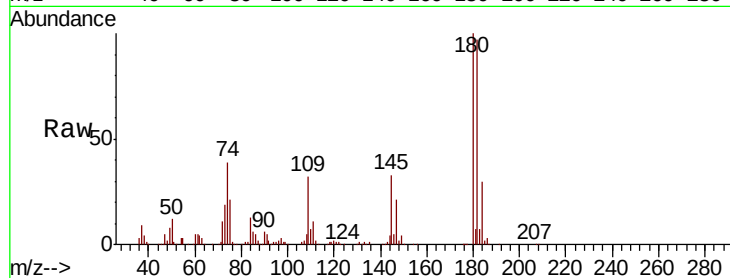




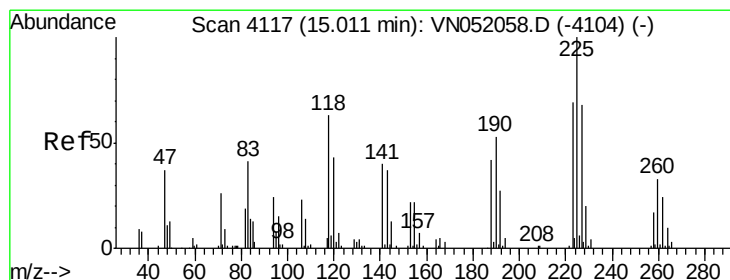
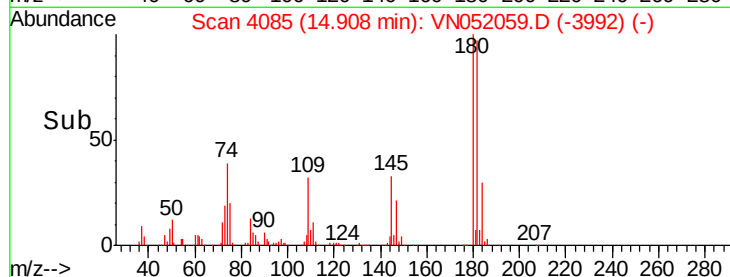
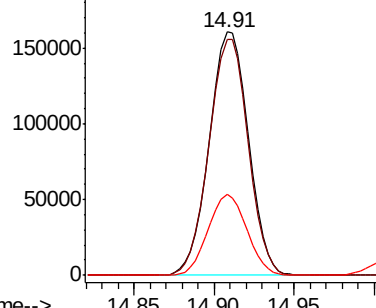
#93
 1,2,4-Trichlorobenzene
 Concen: 116.614 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 267615
 Ion Ratio Lower Upper
 180 100
 182 97.2 49.1 147.4
 145 32.9 16.4 49.2

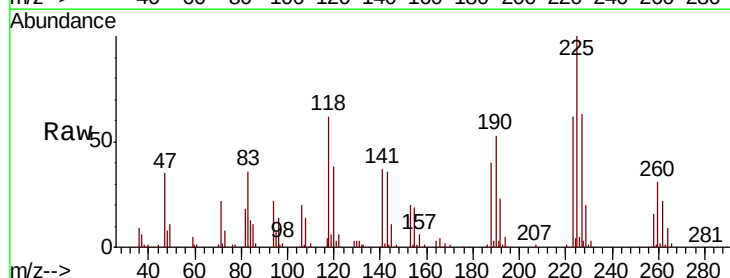


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

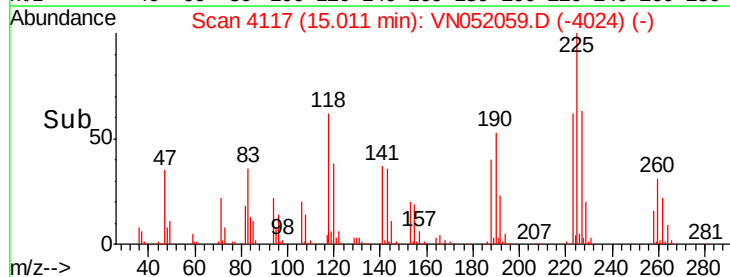
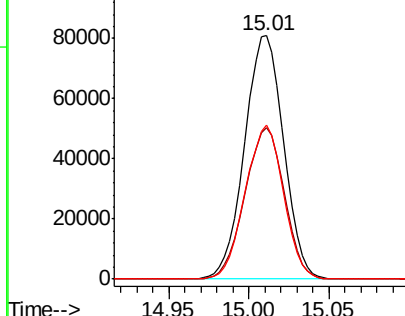


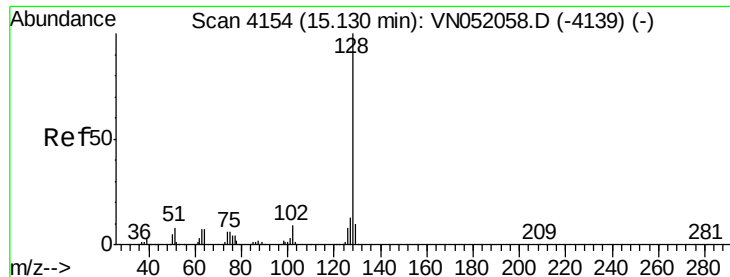
#94
 Hexachlorobutadiene
 Concen: 100.375 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052059.D
 Acq: 30 Oct 2018 11:12

Tgt Ion:225 Resp: 134908
 Ion Ratio Lower Upper
 225 100
 223 62.6 33.1 99.3
 227 62.0 32.6 97.8



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





#95

Naphthalene

Concen: 111.453 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

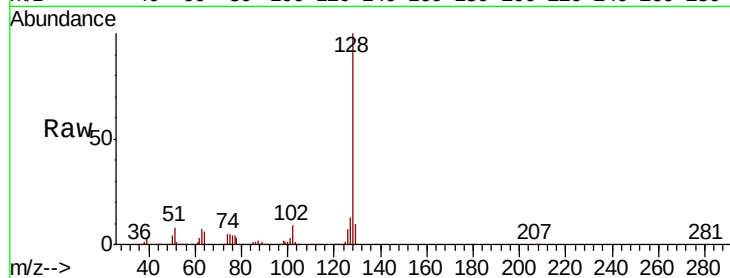
Tgt Ion:128 Resp: 678011

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

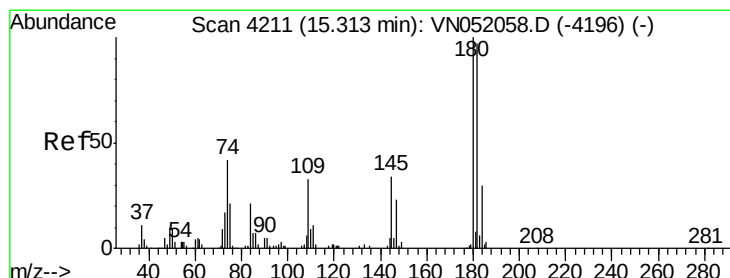
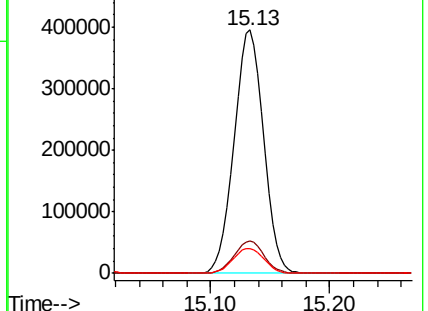
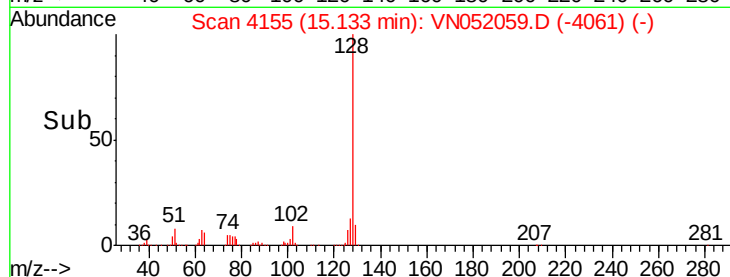
129 10.7 8.6 12.8



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: 107.785 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052059.D

Acq: 30 Oct 2018 11:12

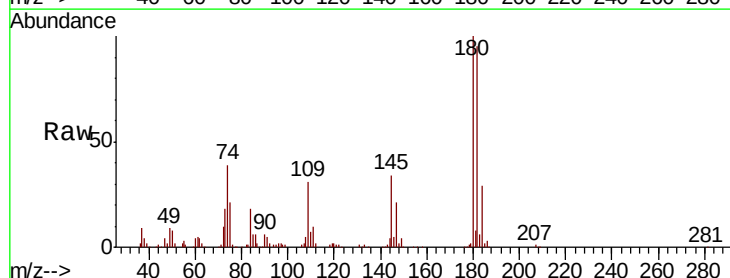
Tgt Ion:180 Resp: 224613

Ion Ratio Lower Upper

180 100

182 98.4 47.2 141.6

145 35.1 16.6 49.7



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

