

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053088.D
 Acq On : 21 Dec 2018 6:09
 Operator : MD\SY
 Sample : J6519-02MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 07:13:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	921137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1445414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1318303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	632578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	523196	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	7.59	113	452528	68.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.08%	
50) Toluene-d8	10.09	98	1916908	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.40	95	681316	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	426310	45.729	ug/l	99
3) Chloromethane	2.06	50	550348	48.716	ug/l	100
4) Vinyl Chloride	2.19	62	554112	48.431	ug/l	100
5) Bromomethane	2.57	94	246672	31.118	ug/l	100
6) Chloroethane	2.71	64	333284	49.185	ug/l	100
7) Trichlorofluoromethane	3.02	101	688540	48.309	ug/l	100
8) Diethyl Ether	3.41	74	283662	52.755	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	428917	47.198	ug/l	98
10) Methyl Iodide	3.96	142	470889	36.898	ug/l	100
11) Tert butyl alcohol	4.78	59	162569	285.026	ug/l	97
12) 1,1-Dichloroethene	3.74	96	433030	49.322	ug/l	98
13) Acrolein	3.61	56	86071	166.426	ug/l	97
14) Allyl chloride	4.33	41	664466	48.860	ug/l	98
15) Acrylonitrile	4.99	53	839180	264.837	ug/l	100
16) Acetone	3.82	43	565314	308.441	ug/l	96
17) Carbon Disulfide	4.06	76	1248137	43.592	ug/l	99
18) Methyl Acetate	4.32	43	447036	53.665	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1800981	76.654	ug/l	100
20) Methylene Chloride	4.55	84	512542	51.266	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	470299	49.857	ug/l	97
22) Diisopropyl ether	5.95	45	1574660	54.246	ug/l	98
23) Vinyl Acetate	5.90	43	4742232	284.102	ug/l	99
24) 1,1-Dichloroethane	5.85	63	891691	51.694	ug/l	99
25) 2-Butanone	6.83	43	883397	287.199	ug/l	97
26) 2,2-Dichloropropane	6.83	77	496466	37.704	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	556135	52.077	ug/l	97
28) Bromochloromethane	7.20	49	415610	55.604	ug/l	96
29) Tetrahydrofuran	7.21	42	619383	269.614	ug/l	98
30) Chloroform	7.37	83	876453	51.724	ug/l	100
31) Cyclohexane	7.66	56	804078	49.696	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	721980	50.016	ug/l	99
36) 1,1-Dichloropropene	7.80	75	663352	47.814	ug/l	99
37) Ethyl Acetate	6.93	43	417588	53.918	ug/l	99
38) Carbon Tetrachloride	7.78	117	611139	48.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	773420	45.891	ug/l	97
40) Benzene	8.04	78	2135964	51.760	ug/l	99
41) Methacrylonitrile	7.17	41	241017	53.860	ug/l	97
42) 1,2-Dichloroethane	8.13	62	618668	50.749	ug/l	99
43) Isopropyl Acetate	8.17	43	794052	53.044	ug/l	99
44) Trichloroethene	8.84	130	561641	47.055	ug/l	96
45) 1,2-Dichloropropane	9.12	63	552056	51.360	ug/l	100
46) Dibromomethane	9.21	93	314420	50.214	ug/l	98
47) Bromodichloromethane	9.40	83	674112	50.647	ug/l	99
48) Methyl methacrylate	9.20	41	390832	52.004	ug/l	98
49) 1,4-Dioxane	9.20	88	99611	1047.807	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2109886	281.308	ug/l	99
52) Toluene	10.16	92	1300891	50.860	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	671334	47.966	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	778424	48.454	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	469230	52.584	ug/l	99
56) Ethyl methacrylate	10.43	69	654470	55.412	ug/l	97
57) 1,3-Dichloropropane	10.71	76	791704	51.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1668936	257.386	ug/l	98
59) 2-Hexanone	10.75	43	1441772	284.118	ug/l	99
60) Dibromochloromethane	10.90	129	516033	50.520	ug/l	100
61) 1,2-Dibromoethane	11.01	107	460553	50.819	ug/l	100
64) Tetrachloroethene	10.63	164	574249	40.213	ug/l	98
65) Chlorobenzene	11.43	112	1449653	49.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	504635	49.658	ug/l	99
67) Ethyl Benzene	11.51	91	2494885	49.644	ug/l	100
68) m/p-Xylenes	11.62	106	1888267	98.835	ug/l	100
69) o-Xylene	11.95	106	935537	51.030	ug/l	100
70) Styrene	11.96	104	1539949	51.514	ug/l	99
71) Bromoform	12.13	173	358476	48.830	ug/l #	99
73) Isopropylbenzene	12.25	105	2705453	54.662	ug/l	100
74) N-amyl acetate	12.07	43	817003	59.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	546339	56.266	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	698232	65.569	ug/l #	100
77) Bromobenzene	12.53	156	688054	53.480	ug/l	90
78) n-propylbenzene	12.59	91	3121794	55.382	ug/l	99
79) 2-Chlorotoluene	12.68	91	1632829	46.732	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1978481	49.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142385	43.096	ug/l	98
82) 4-Chlorotoluene	12.77	91	1688256	49.360	ug/l	100
83) tert-Butylbenzene	12.99	119	1743994	48.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2014702	49.679	ug/l	99
85) sec-Butylbenzene	13.17	105	2400061	49.733	ug/l	99
86) p-Isopropyltoluene	13.29	119	1983033	47.555	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1099397	48.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1095875	47.524	ug/l	100
89) n-Butylbenzene	13.62	91	1652713	46.069	ug/l	99
90) Hexachloroethane	13.88	117	343251	53.640	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1058238	49.380	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84716	50.459	ug/l	98

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QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

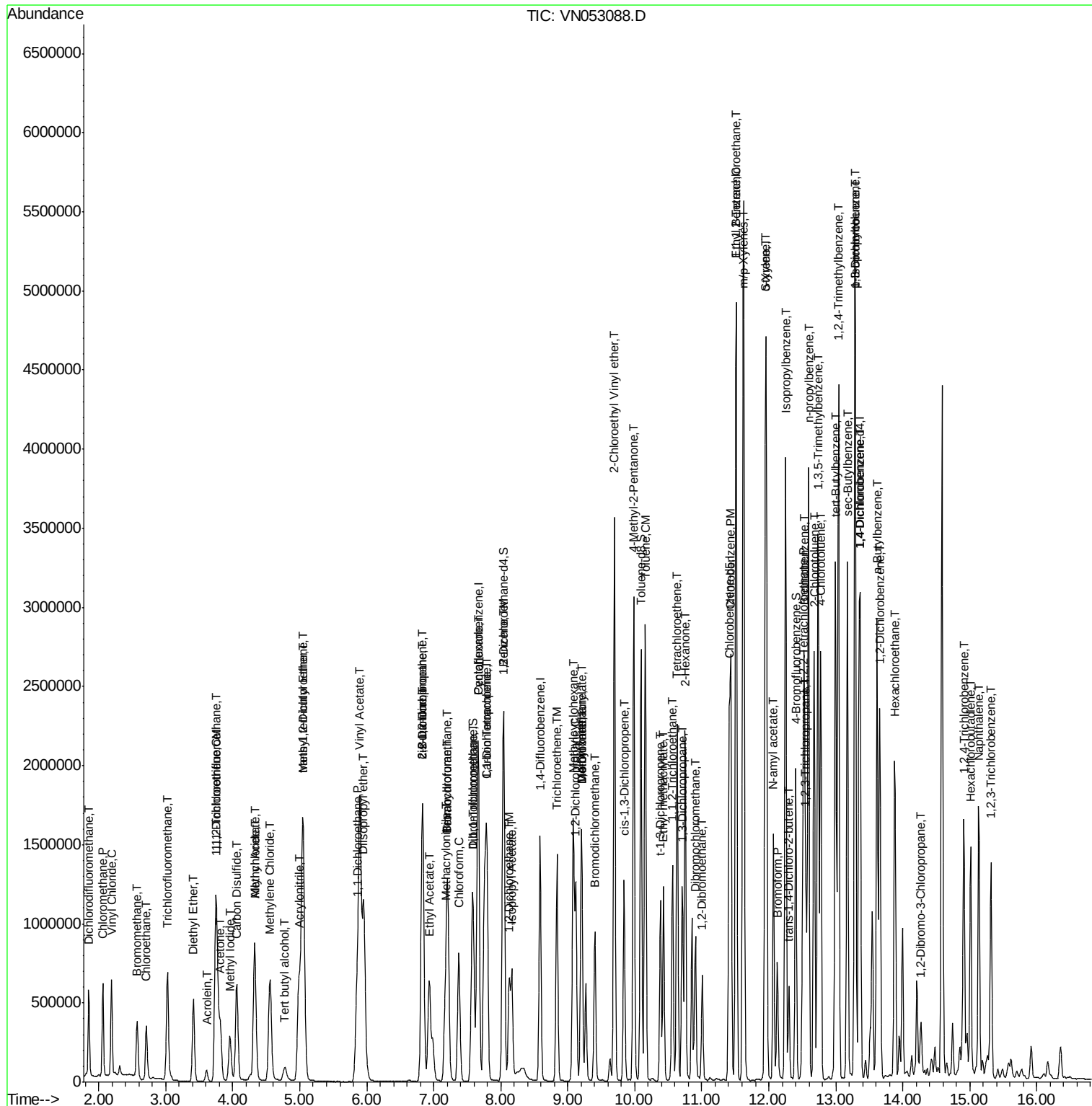
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	563843	49.665	ug/l	96
94) Hexachlorobutadiene	15.01	225	300579	51.198	ug/l	99
95) Naphthalene	15.13	128	1510479	60.485	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	511461	50.024	ug/l	98

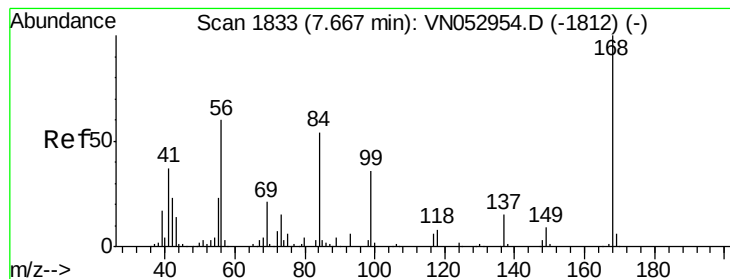
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053088.D

Acq: 21 Dec 2018 6:09

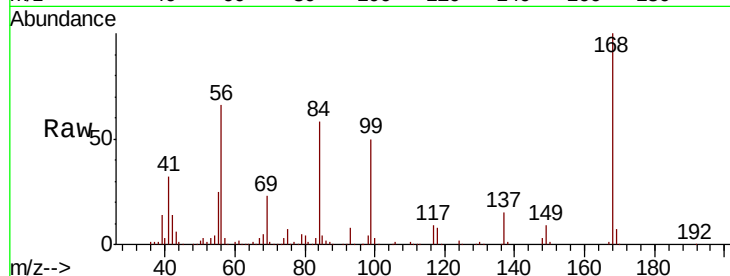
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 921137

Ion Ratio Lower Upper

168 100

99 50.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

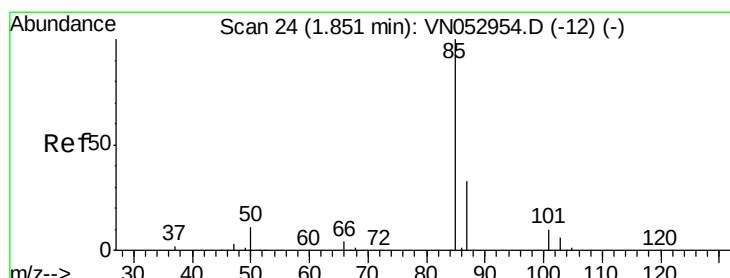
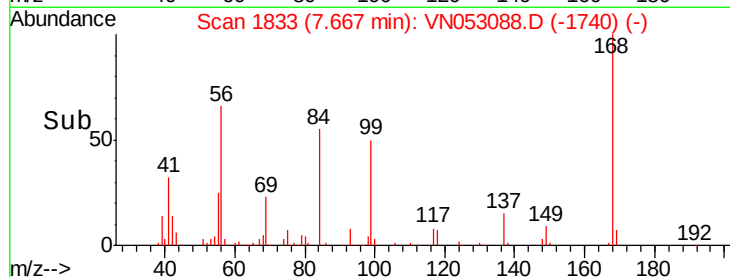
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.729 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053088.D

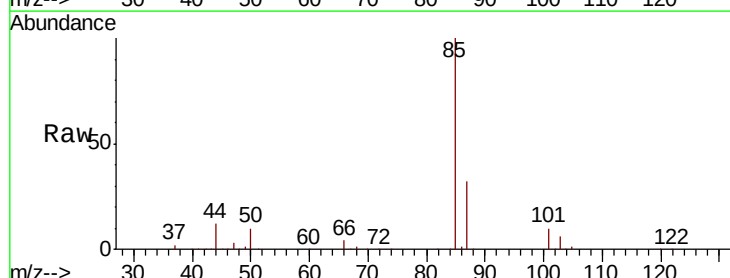
Acq: 21 Dec 2018 6:09

Tgt Ion: 85 Resp: 426310

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

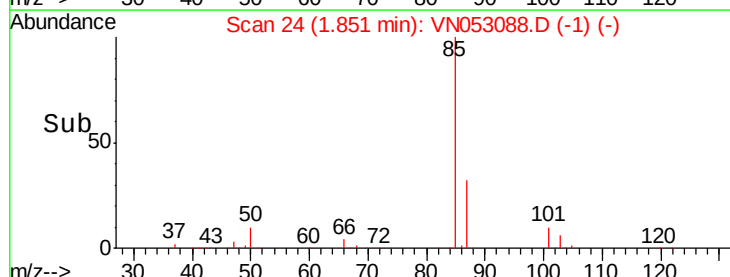
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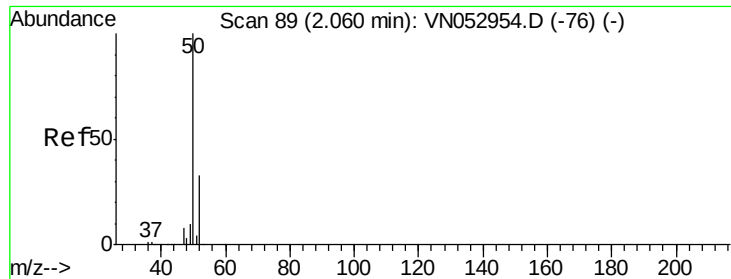
200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.716 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

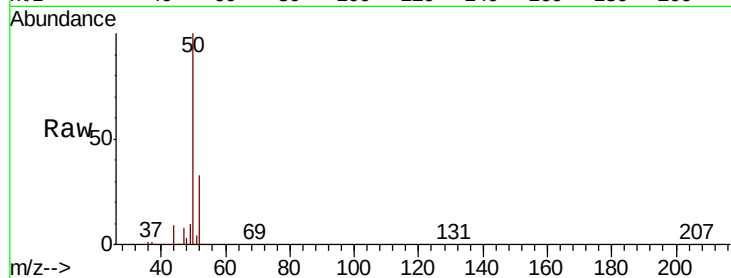
ClientSampled :

Tot Ion: 50 Resp: 550348

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN053088.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN053088.D (-1) (-)

2.06

400000

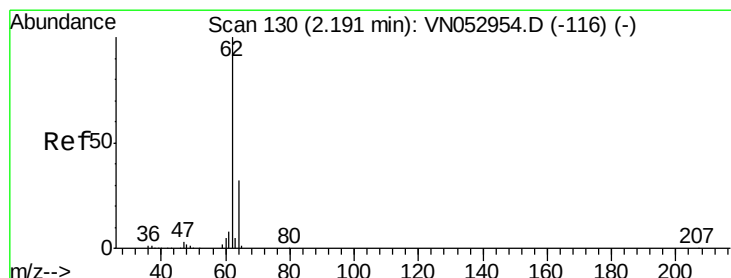
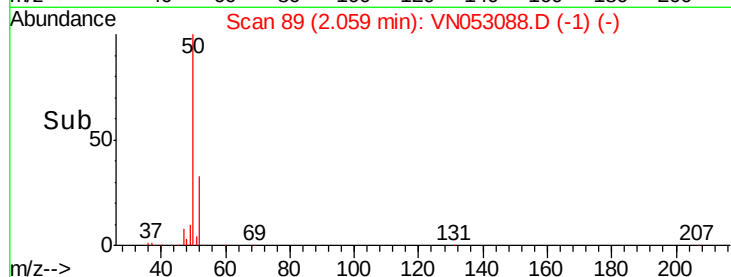
300000

200000

100000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 48.431 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053088.D

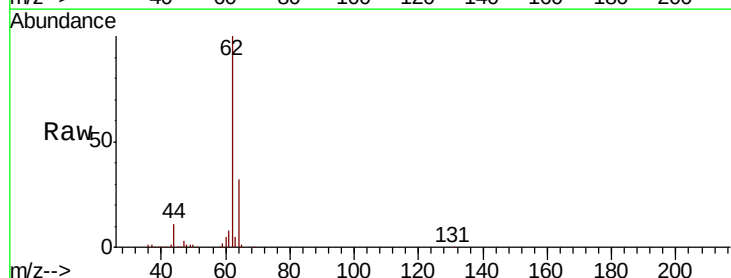
Acq: 21 Dec 2018 6:09

Tgt Ion: 62 Resp: 554112

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN053088.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN053088.D (-37) (-)

2.19

400000

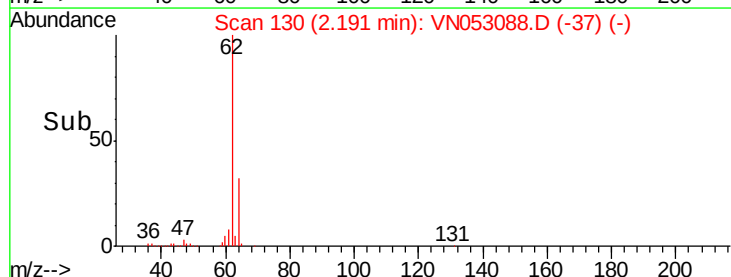
300000

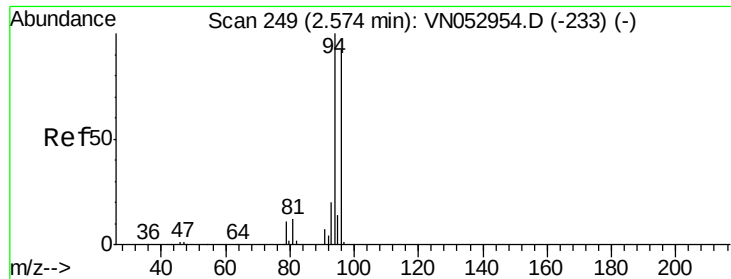
200000

100000

0

Time--> 2.10 2.15 2.20 2.25

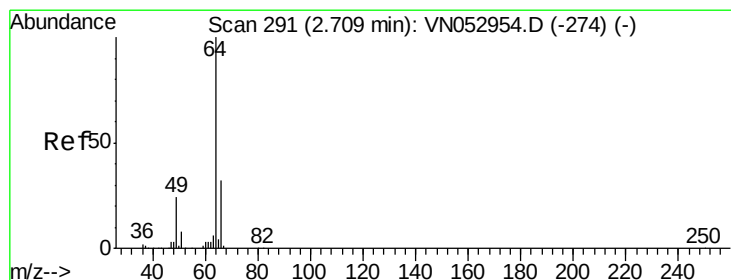
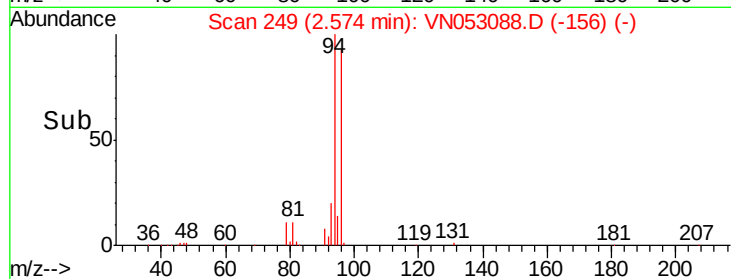
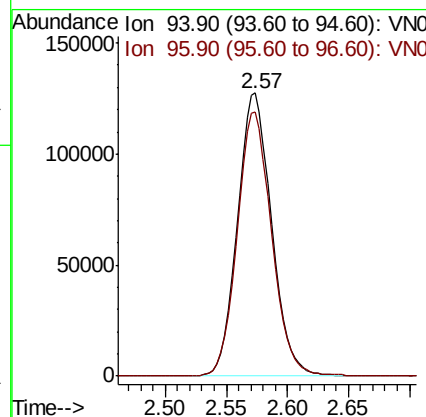
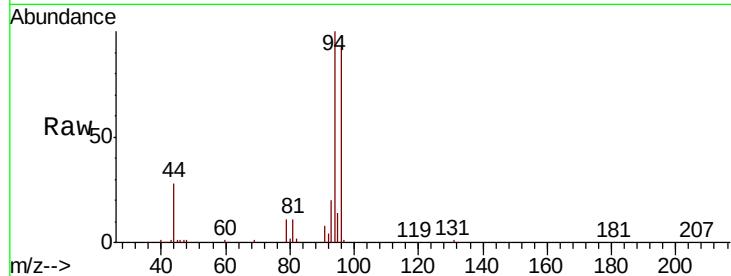




#5
Bromomethane
Concen: 31.118 ug/l
RT: 2.57 min Scan# 249
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

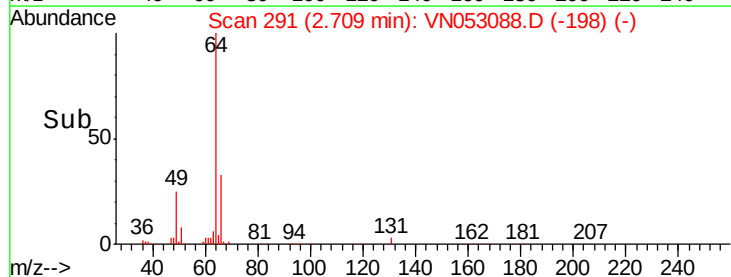
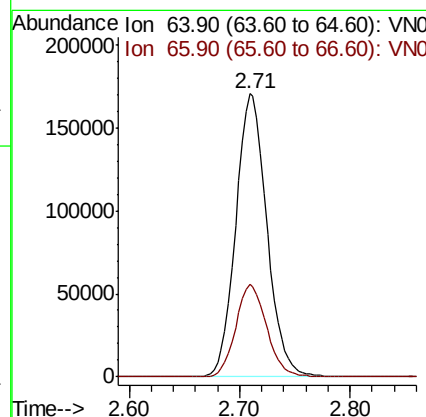
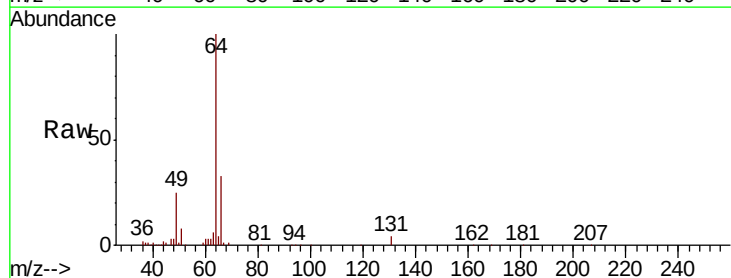
Instrument :
MSVOA_N
ClientSampled :

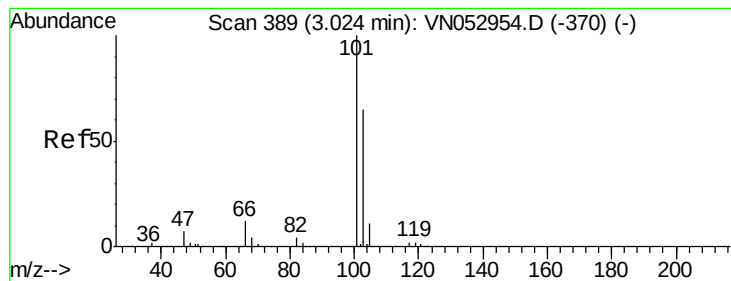
Tot Ion: 94 Resp: 246672
Ion Ratio Lower Upper
94 100
96 93.4 75.0 112.4



#6
Chloroethane
Concen: 49.185 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 64 Resp: 333284
Ion Ratio Lower Upper
64 100
66 32.6 26.2 39.2



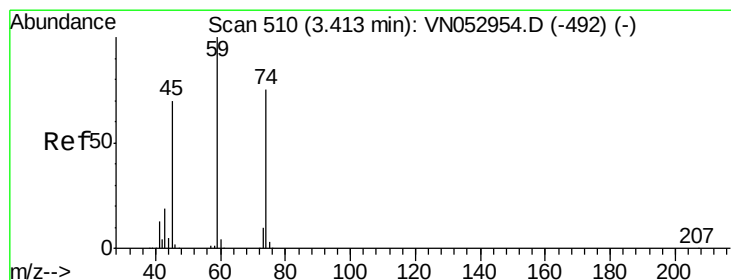
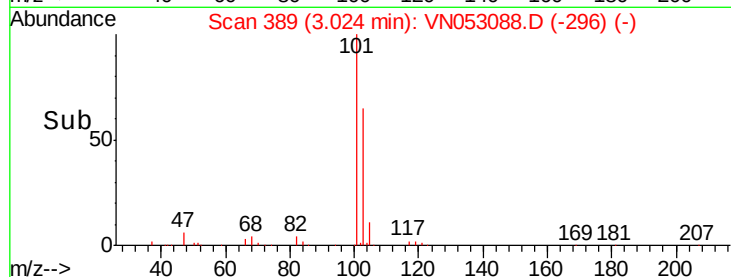
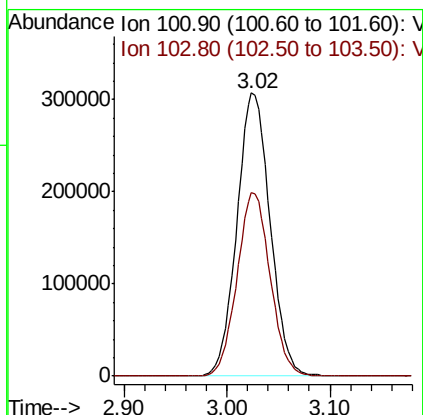
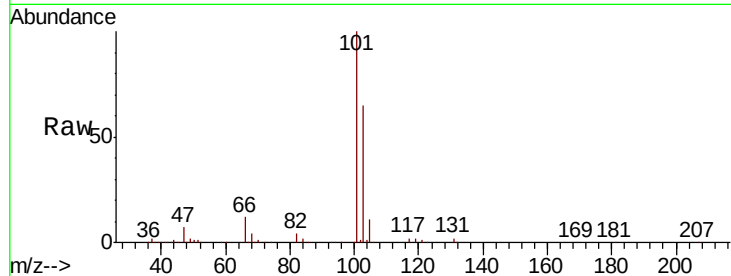


#7

Trichlorofluoromethane
 Concen: 48.309 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Instrument :
 MSVOA_N
 ClientSampled :

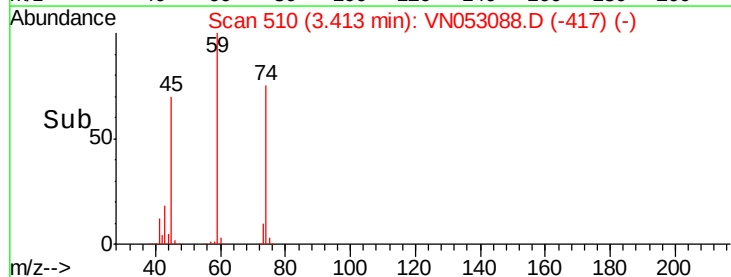
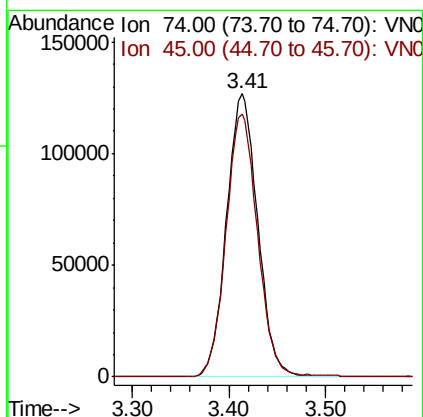
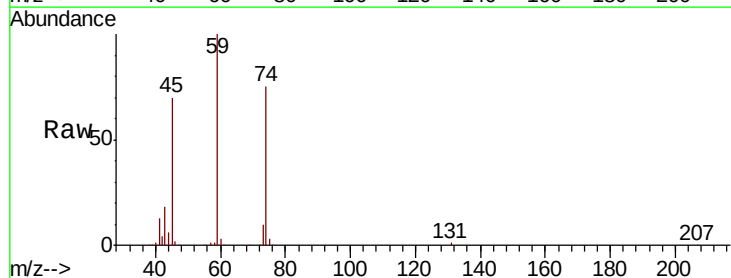
Tot Ion:101 Resp: 688540
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.6

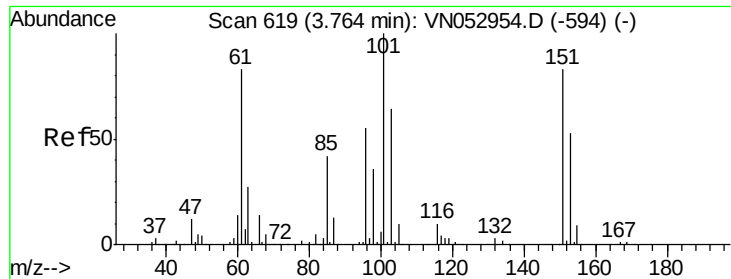


#8

Diethyl Ether
 Concen: 52.755 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion: 74 Resp: 283662
 Ion Ratio Lower Upper
 74 100
 45 94.3 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.198 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampleId :

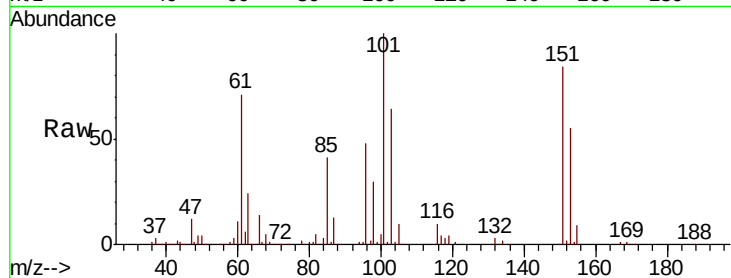
Tot Ion:101 Resp: 428917

Ion Ratio Lower Upper

101 100

85 41.3 33.6 50.4

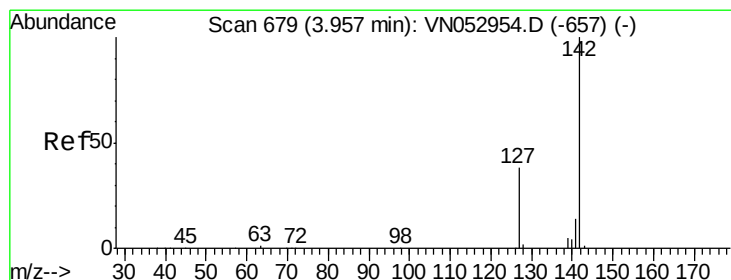
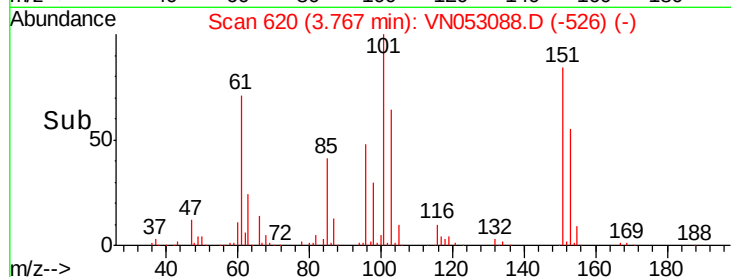
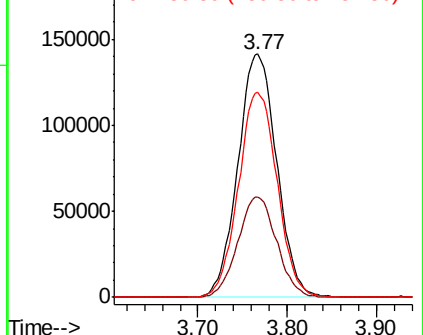
151 84.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.898 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

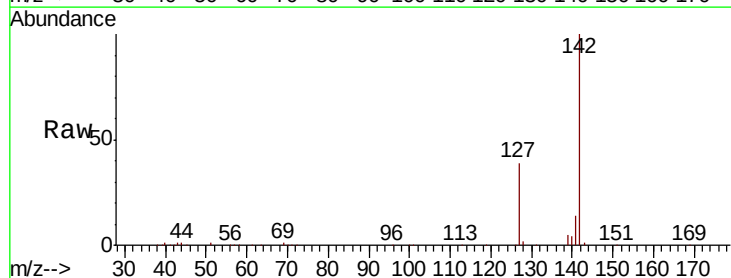
Tgt Ion:142 Resp: 470889

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.6

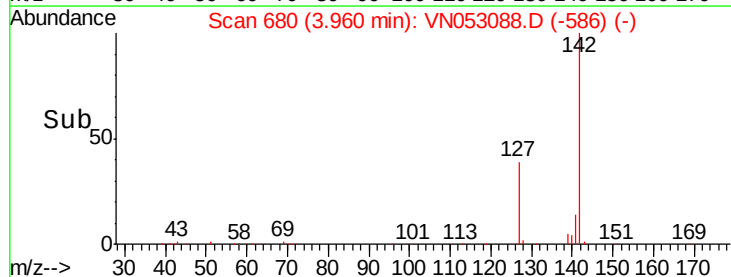
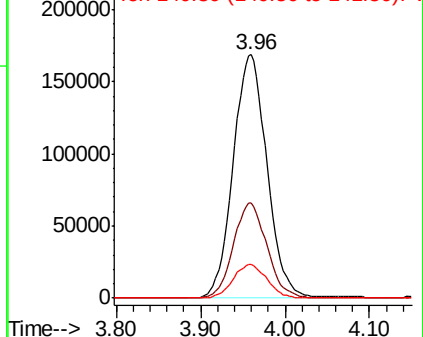
141 13.8 11.2 16.8

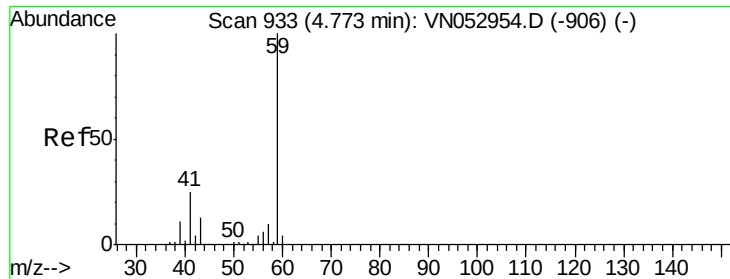


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

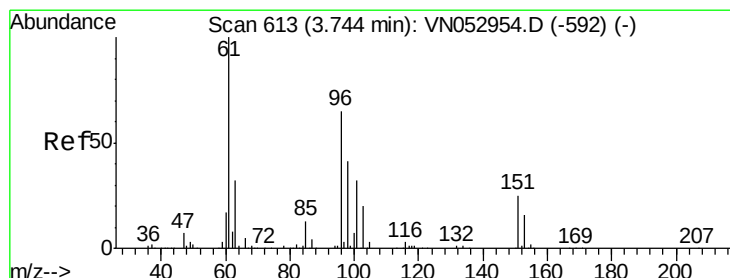
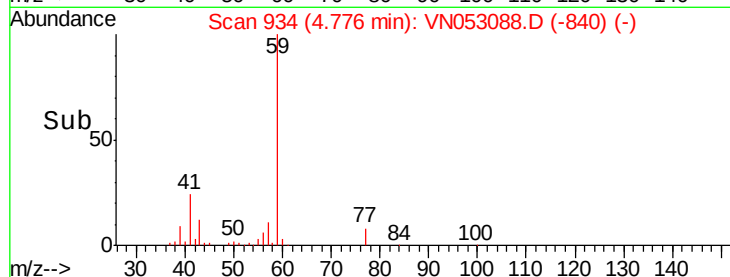
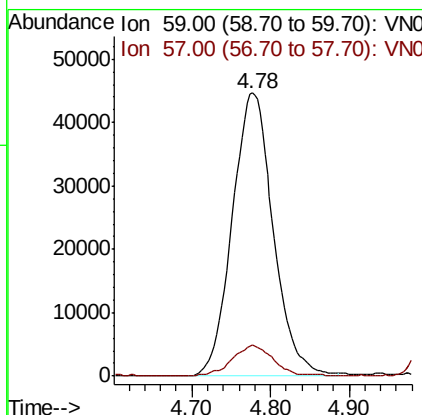
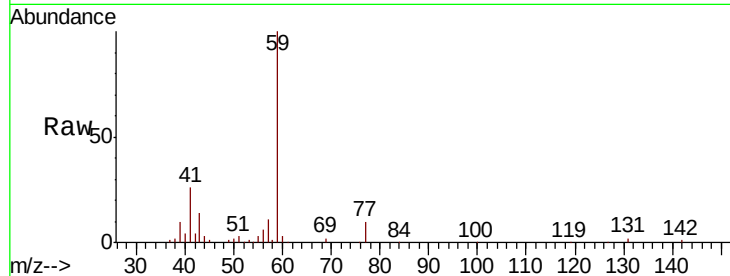




#11
Tert butyl alcohol
Concen: 285.026 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

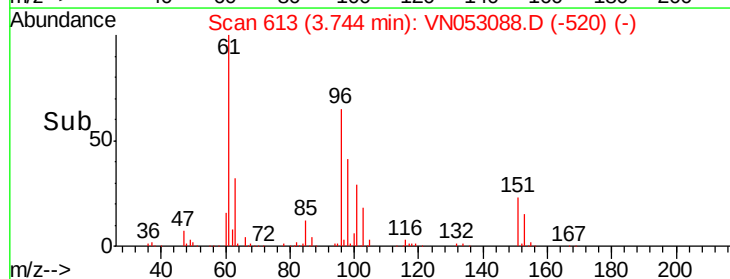
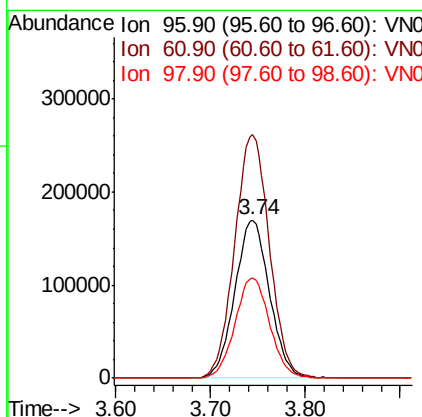
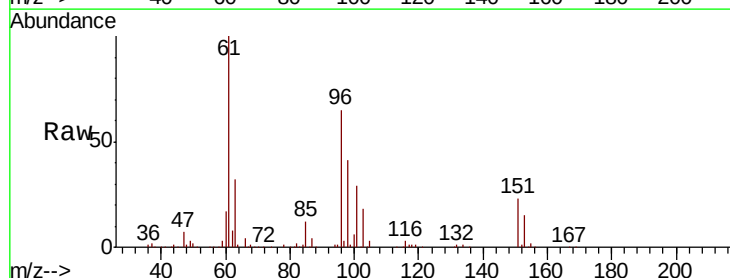
Instrument :
MSVOA_N
ClientSampled :

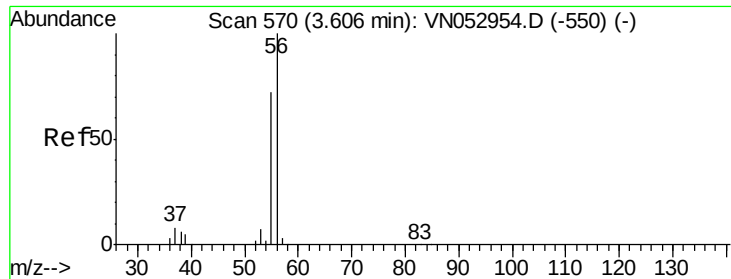
Tot Ion: 59 Resp: 162569
Ion Ratio Lower Upper
59 100
57 10.7 7.7 11.5



#12
1,1-Dichloroethene
Concen: 49.322 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 96 Resp: 433030
Ion Ratio Lower Upper
96 100
61 153.8 125.6 188.4
98 63.1 50.6 75.8





#13

Acrolein

Concen: 166.426 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

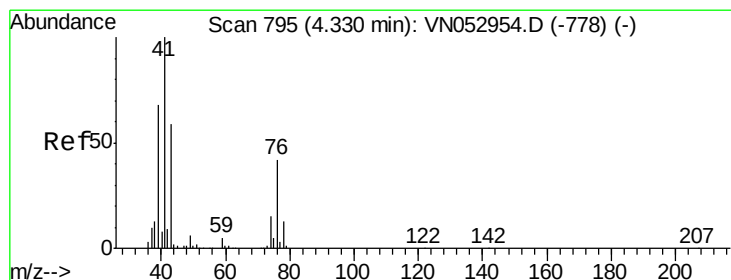
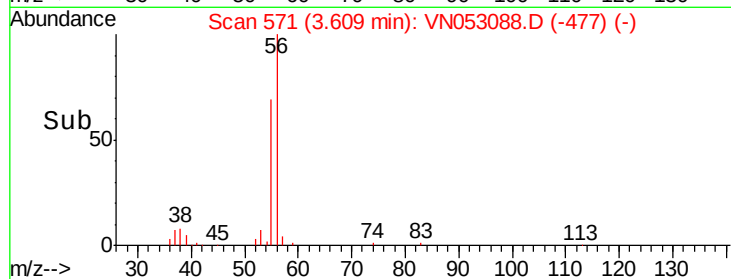
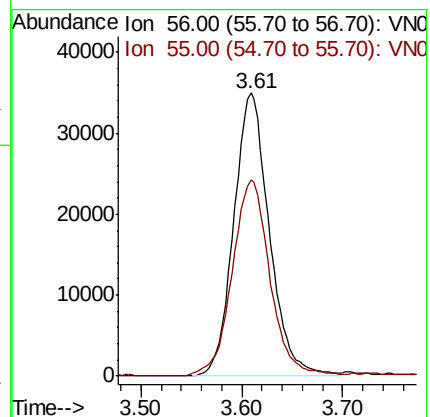
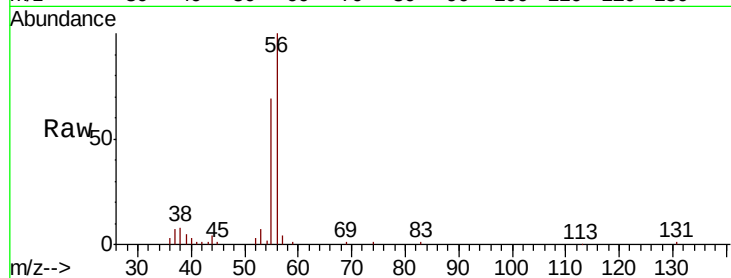
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 86071

Ion Ratio Lower Upper

56 100

55 73.4 56.6 85.0



#14

Allyl chloride

Concen: 48.860 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

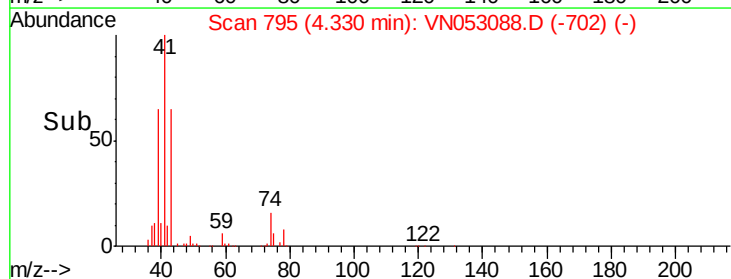
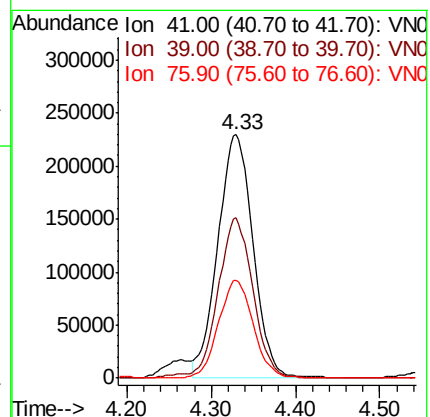
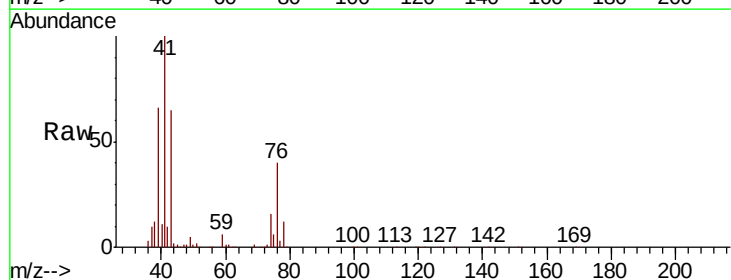
Tgt Ion: 41 Resp: 664466

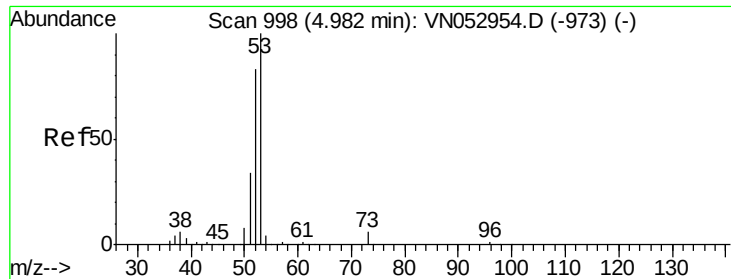
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 39.1 30.3 45.5





#15

Acrylonitrile

Concen: 264.837 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampleId :

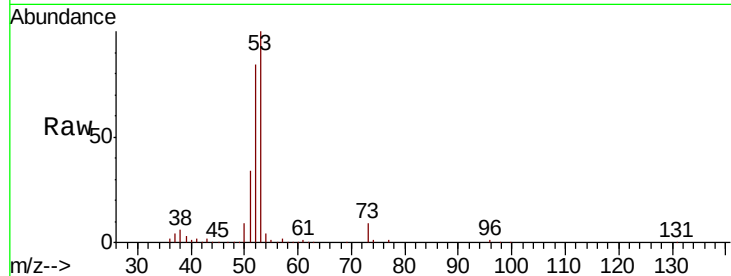
Tot Ion: 53 Resp: 839180

Ion Ratio Lower Upper

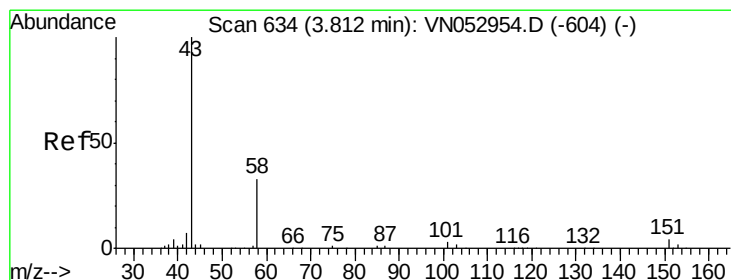
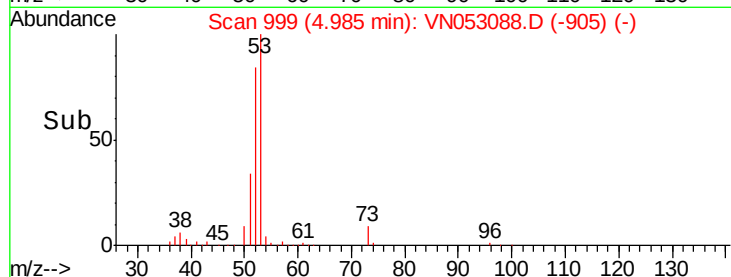
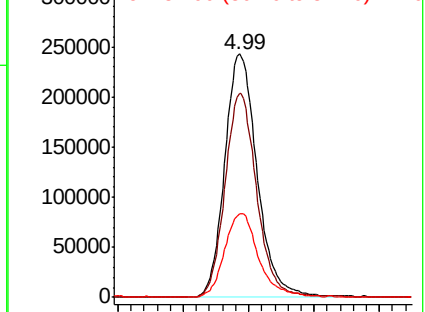
53 100

52 81.4 65.1 97.7

51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 308.441 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053088.D

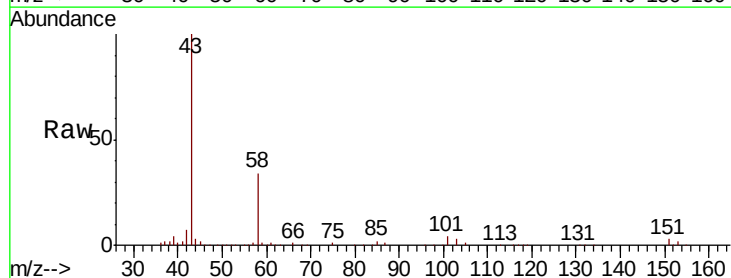
Acq: 21 Dec 2018 6:09

Tgt Ion: 43 Resp: 565314

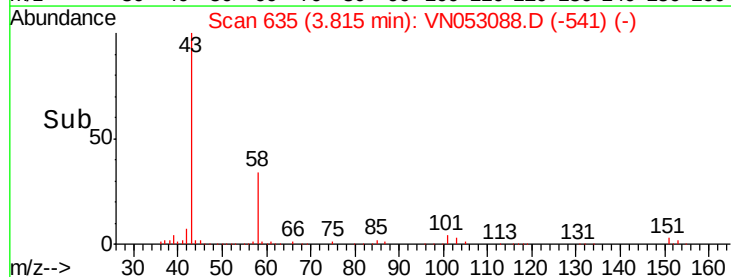
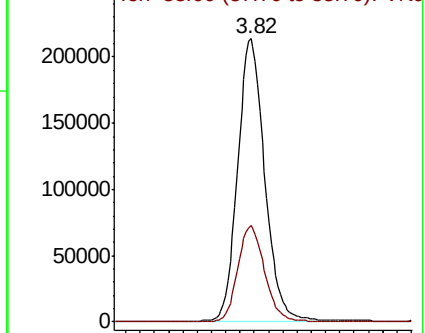
Ion Ratio Lower Upper

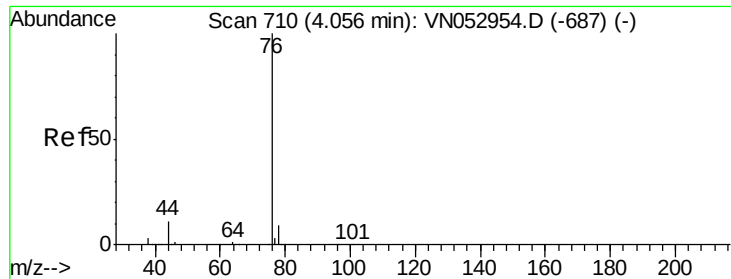
43 100

58 33.9 25.4 38.0



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





#17

Carbon Disulfide

Concen: 43.592 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

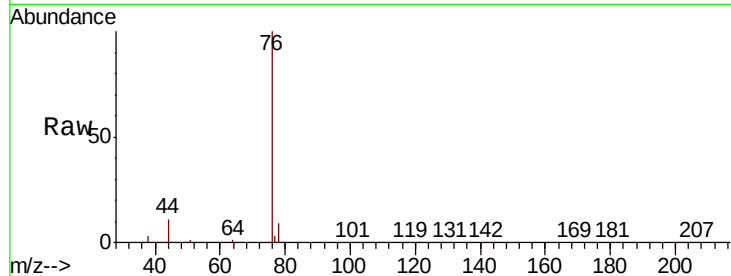
ClientSampled :

Tot Ion: 76 Resp: 1248137

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

500000

400000

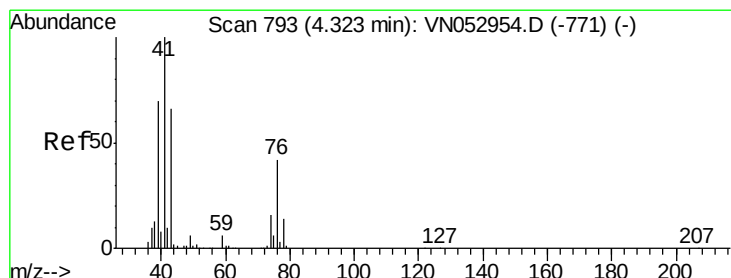
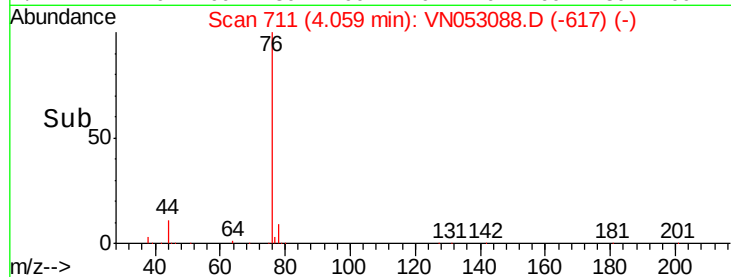
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 53.665 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053088.D

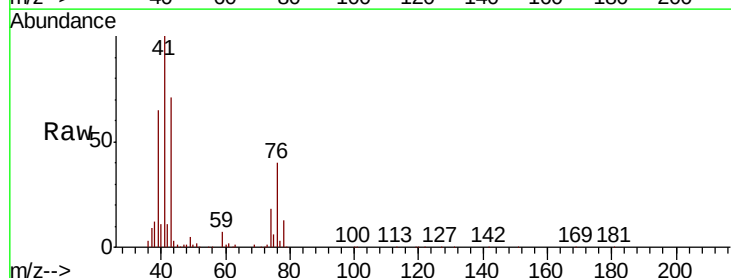
Acq: 21 Dec 2018 6:09

Tgt Ion: 43 Resp: 447036

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.32

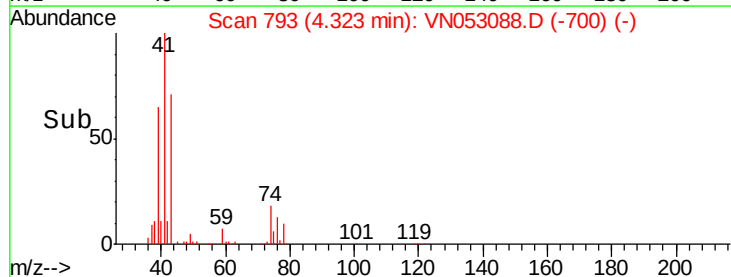
150000

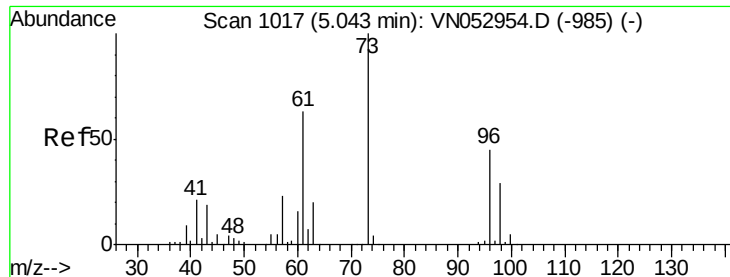
100000

50000

0

Time--> 4.20 4.30 4.40 4.50

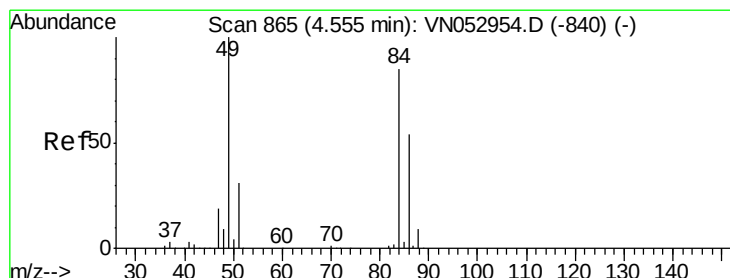
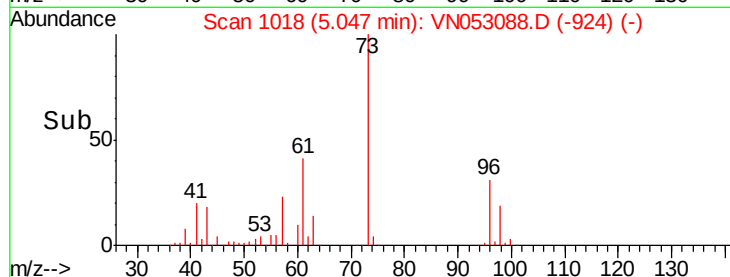
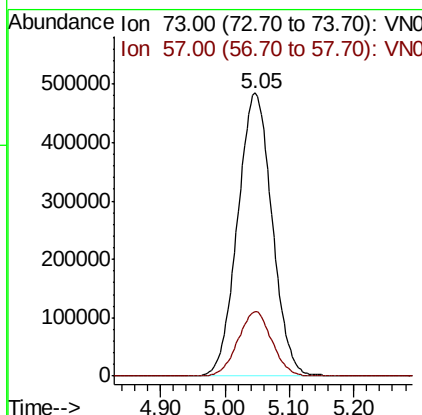
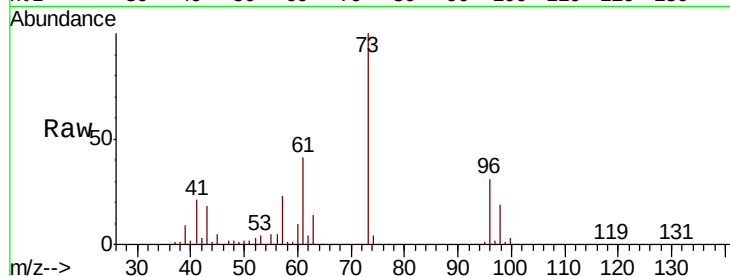




#19
Methyl tert-butyl Ether
Concen: 76.654 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

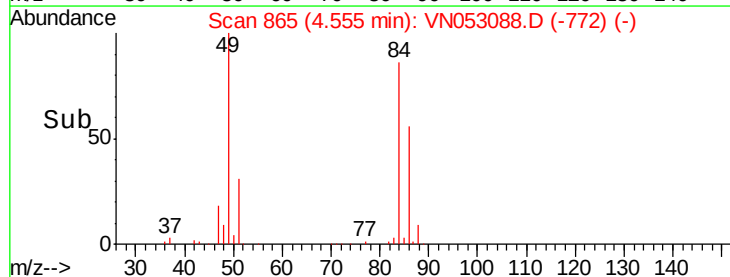
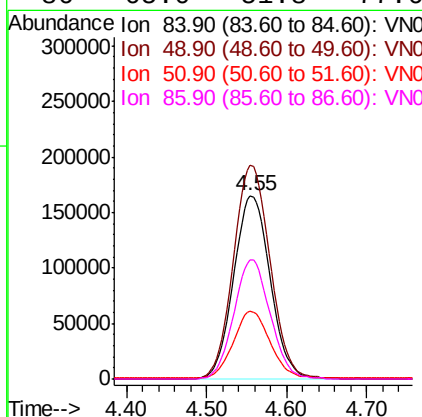
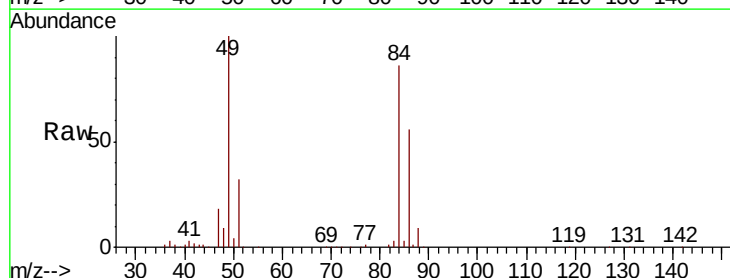
Instrument :
MSVOA_N
ClientSampled :

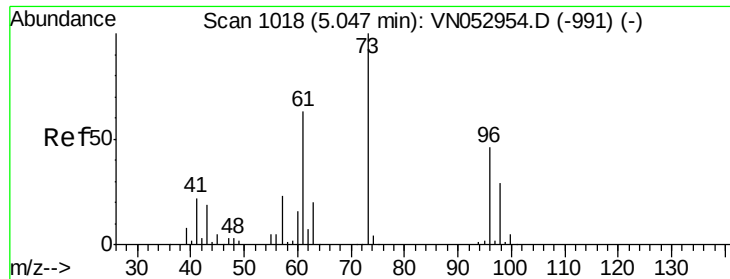
Tot Ion: 73 Resp: 1800981
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 51.266 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 84 Resp: 512542
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 36.1 29.9 44.9
86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.857 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

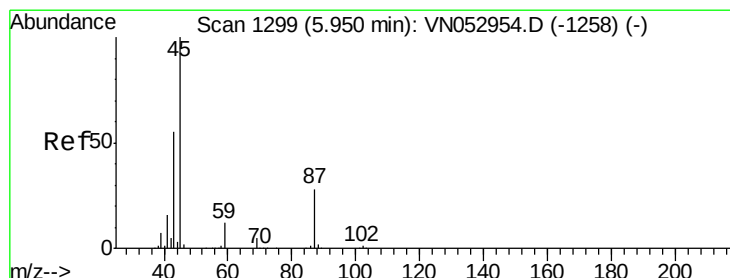
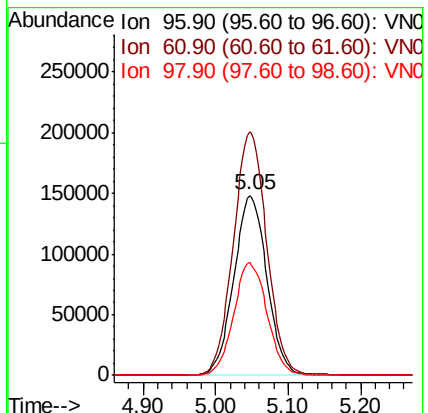
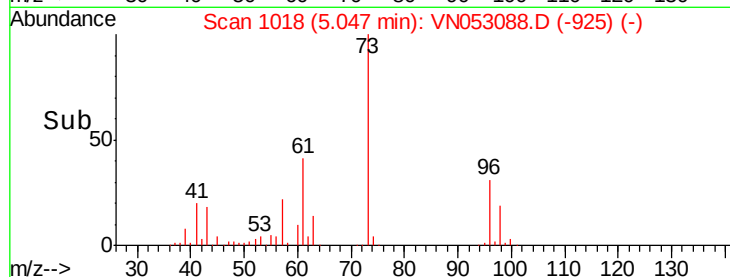
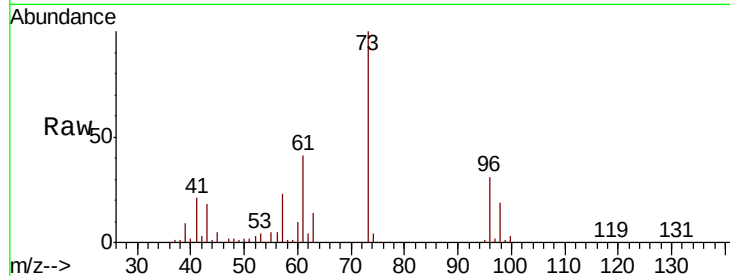
Tot Ion: 96 Resp: 470299

Ion Ratio Lower Upper

96 100

61 135.2 110.8 166.2

98 62.5 51.4 77.2



#22

Diisopropyl ether

Concen: 54.246 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Tgt Ion: 45 Resp: 1574660

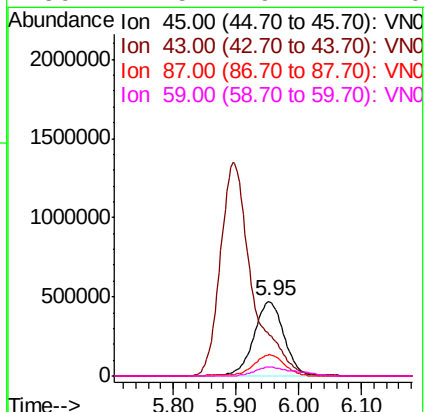
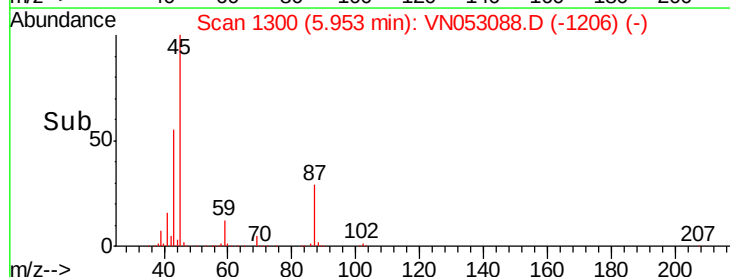
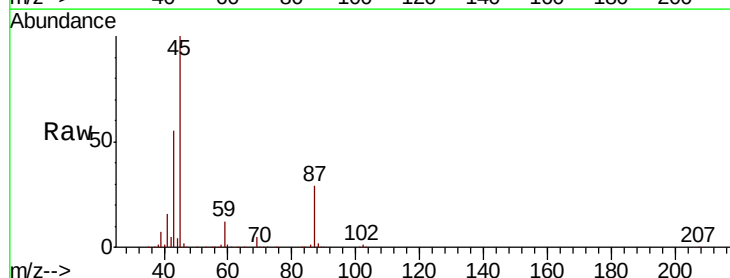
Ion Ratio Lower Upper

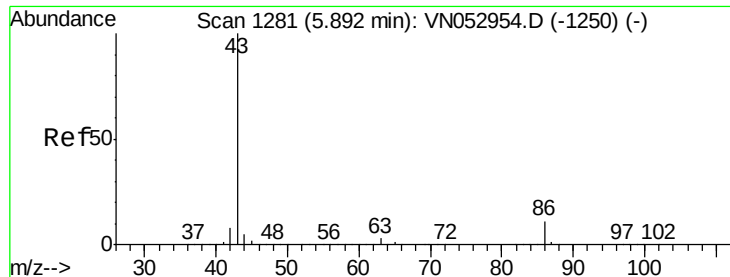
45 100

43 55.2 45.5 68.3

87 28.5 22.0 33.0

59 11.5 9.4 14.0

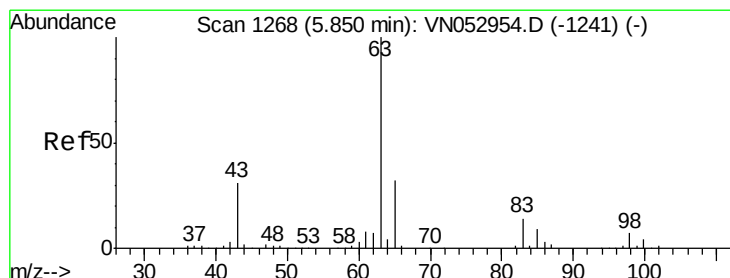
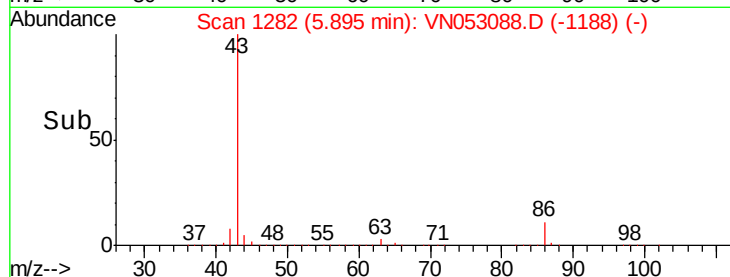
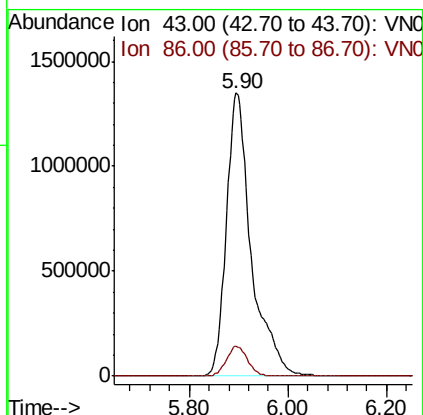
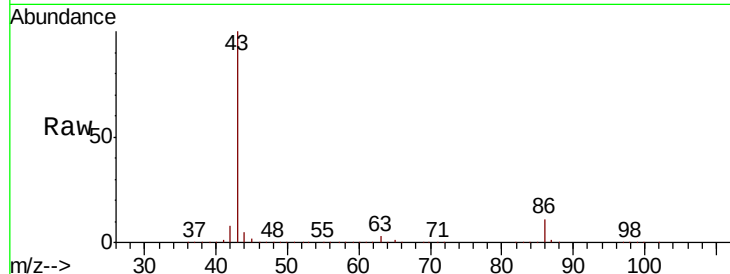




#23
 Vinyl Acetate
 Concen: 284.102 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

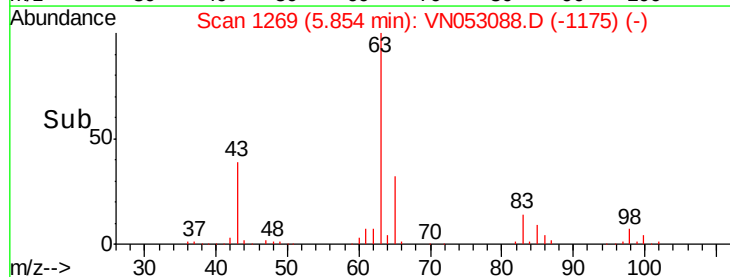
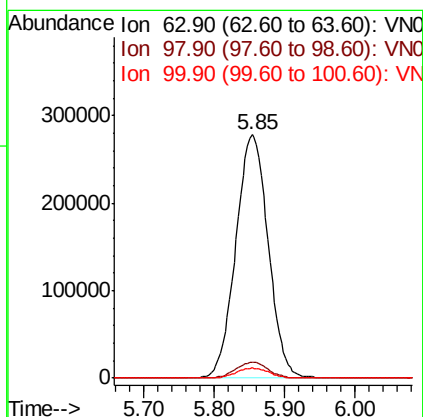
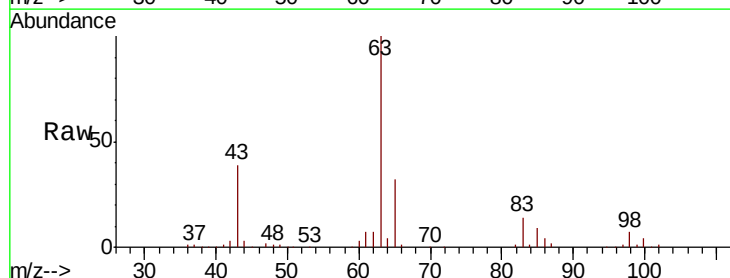
Instrument :
 MSVOA_N
 ClientSampled :

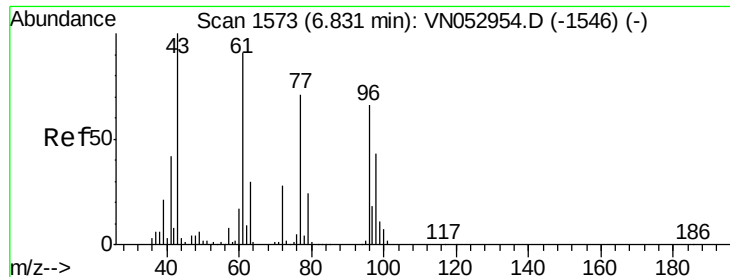
Tot Ion: 43 Resp: 4742232
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 51.694 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion: 63 Resp: 891691
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.1 2.0 5.8

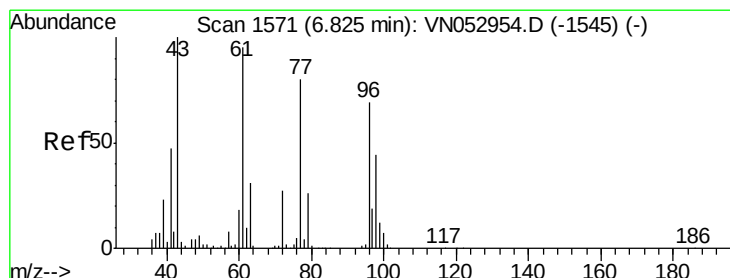
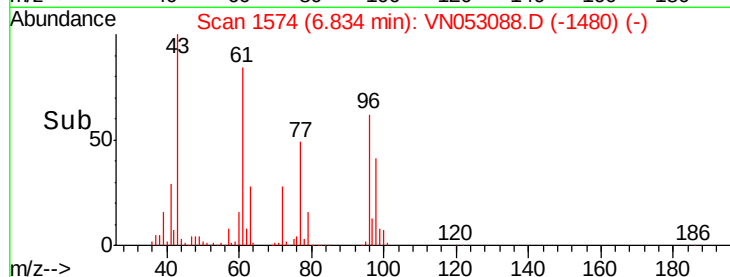
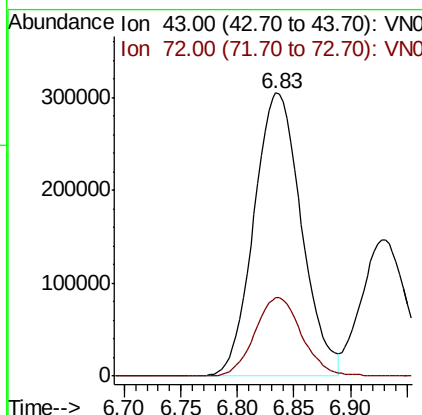
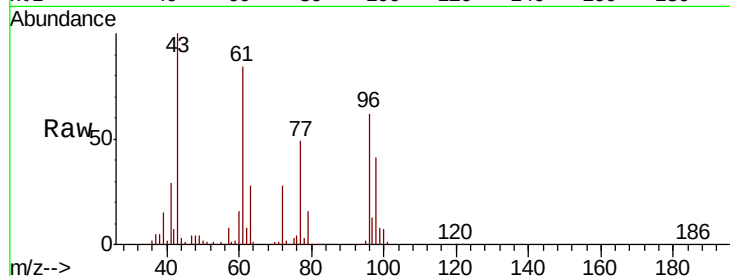




#25
2-Butanone
Concen: 287.199 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

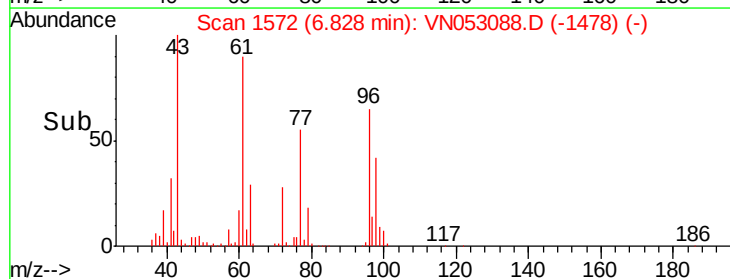
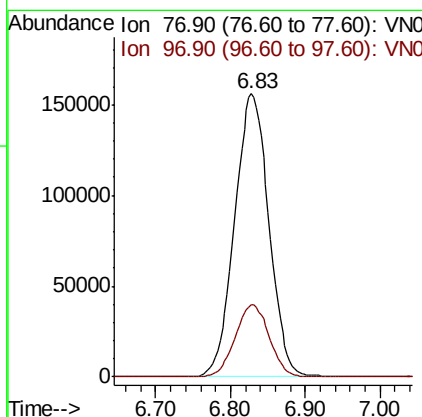
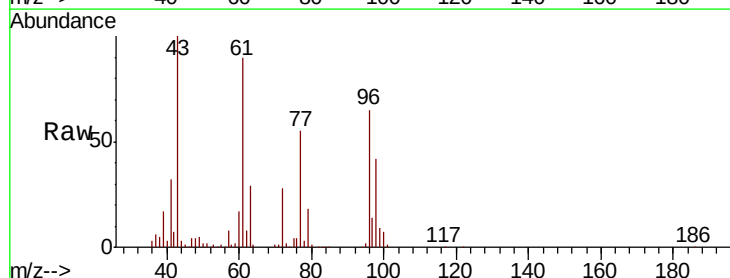
Instrument :
MSVOA_N
ClientSampled :

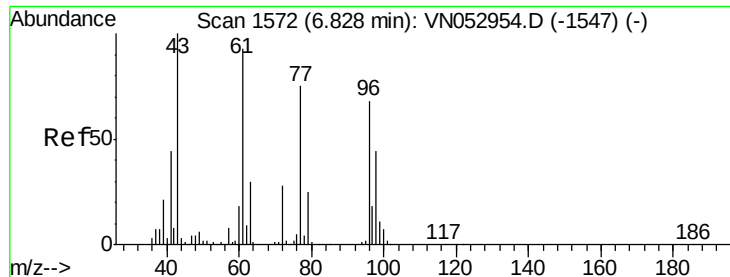
Tot Ion: 43 Resp: 883397
Ion Ratio Lower Upper
43 100
72 27.8 21.0 31.6



#26
2,2-Dichloropropane
Concen: 37.704 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 77 Resp: 496466
Ion Ratio Lower Upper
77 100
97 25.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.077 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampled :

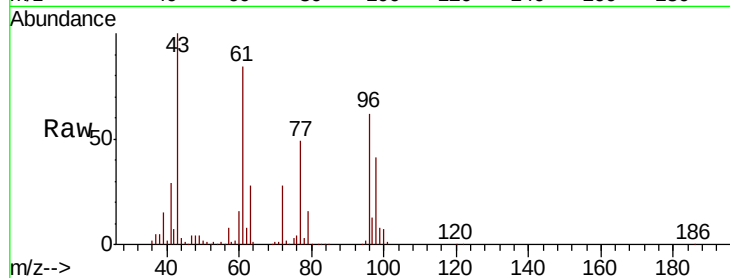
Tot Ion: 96 Resp: 556135

Ion Ratio Lower Upper

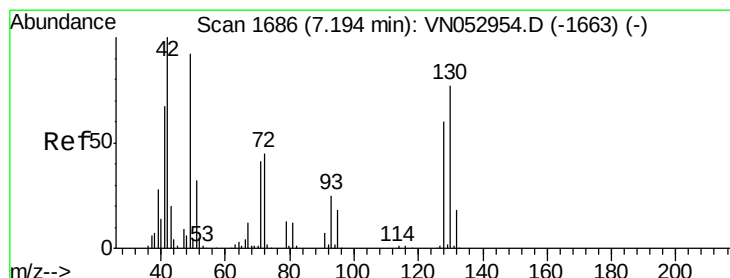
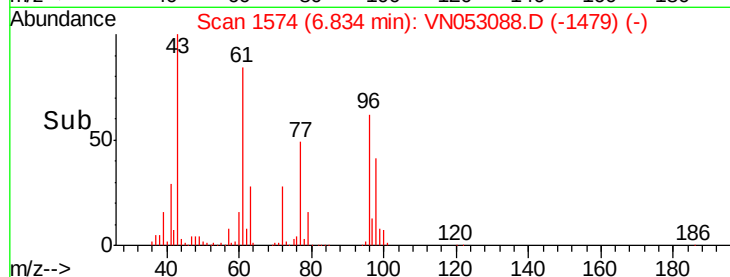
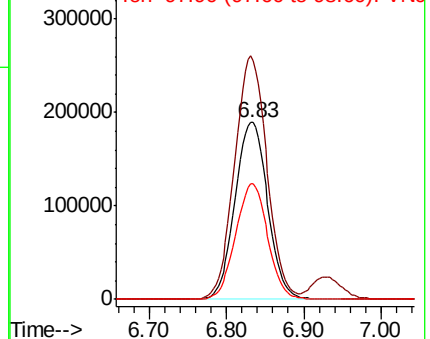
96 100

61 136.2 0.0 284.2

98 64.3 0.0 129.2



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



#28

Bromochloromethane

Concen: 55.604 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

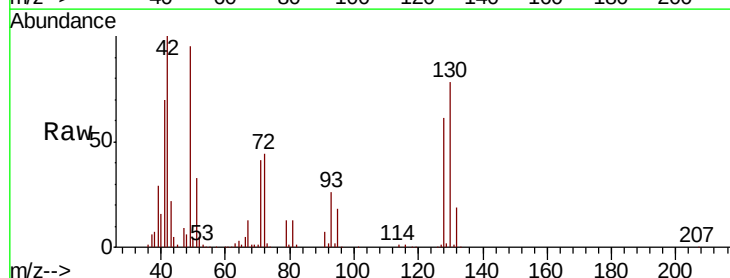
Tgt Ion: 49 Resp: 415610

Ion Ratio Lower Upper

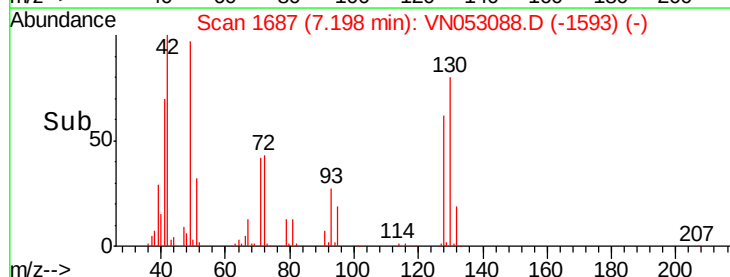
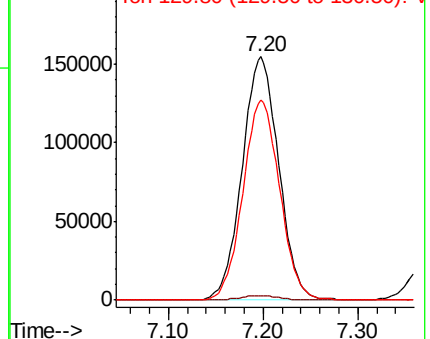
49 100

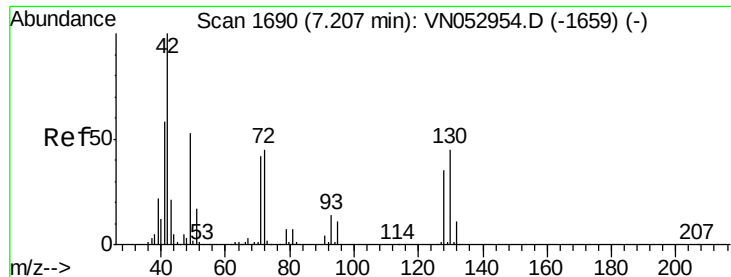
129 1.9 0.0 4.0

130 82.8 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

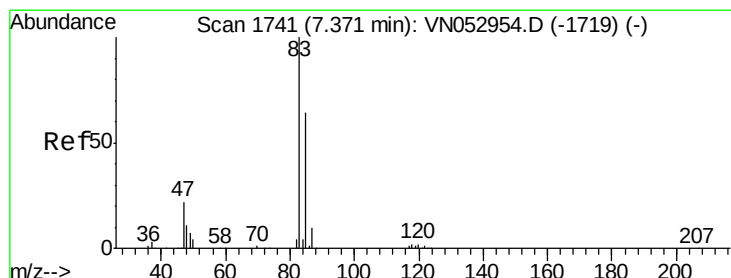
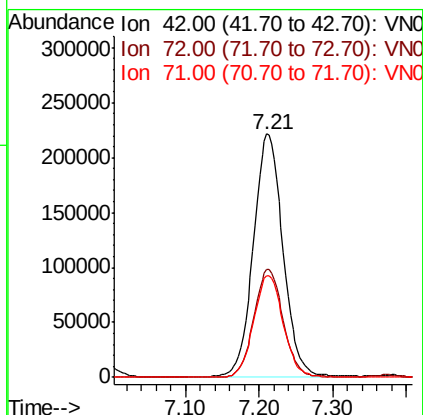
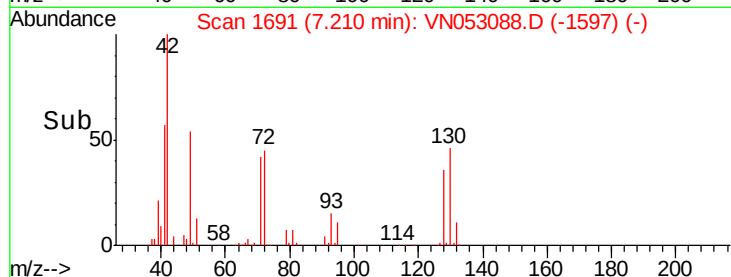
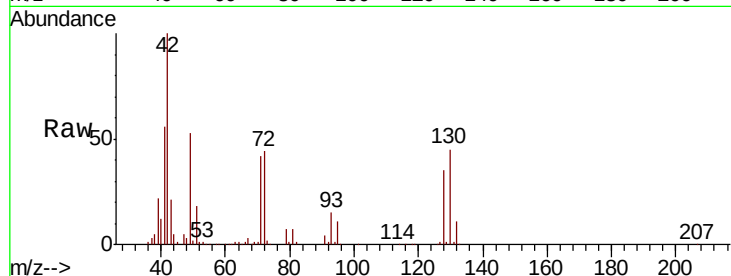




#29
Tetrahydrofuran
Concen: 269.614 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

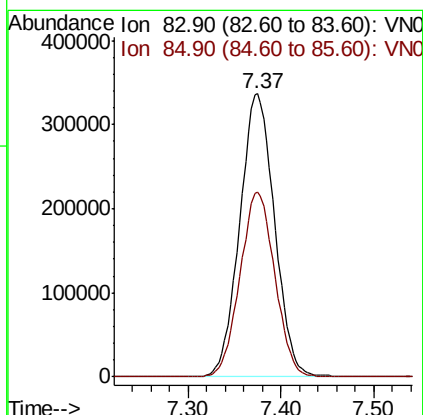
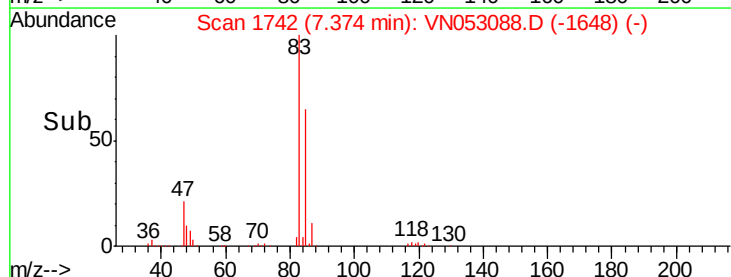
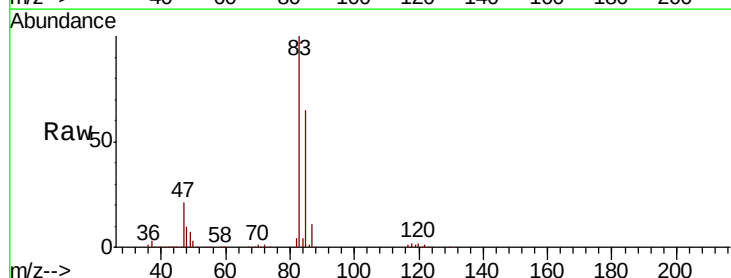
Instrument :
MSVOA_N
ClientSampled :

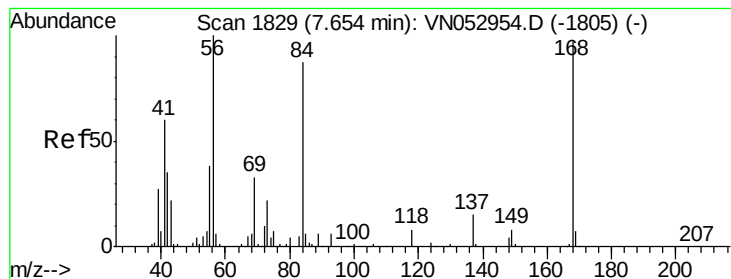
Tot Ion: 42 Resp: 619383
Ion Ratio Lower Upper
42 100
72 44.0 34.7 52.1
71 41.7 32.3 48.5



#30
Chloroform
Concen: 51.724 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 83 Resp: 876453
Ion Ratio Lower Upper
83 100
85 65.5 52.1 78.1





#31

Cyclohexane

Concen: 49.696 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampled :

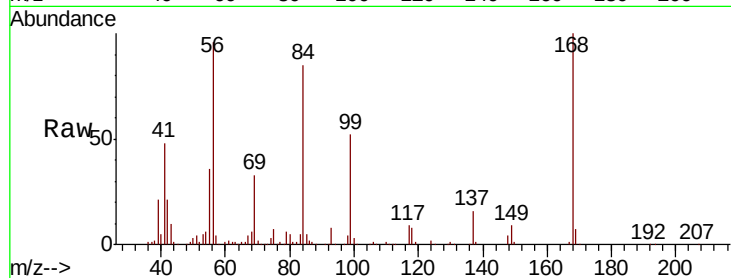
Tot Ion: 56 Resp: 804078

Ion Ratio Lower Upper

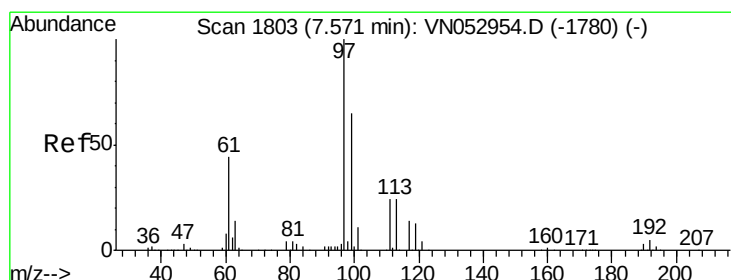
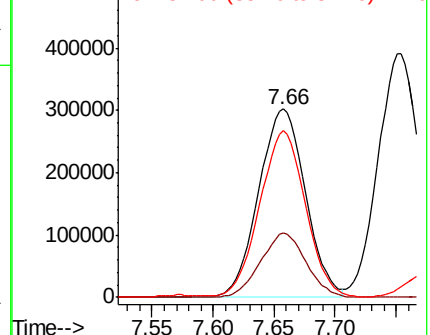
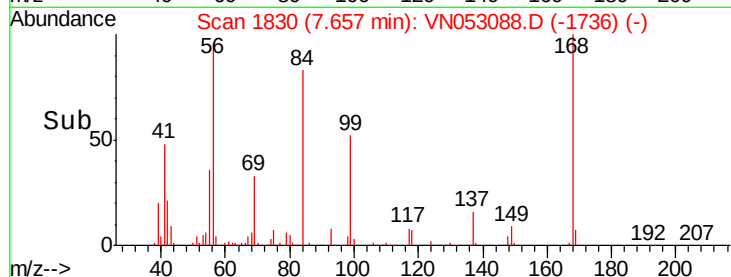
56 100

69 34.0 26.6 39.8

84 87.6 68.4 102.6



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



#32

1,1,1-Trichloroethane

Concen: 50.016 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

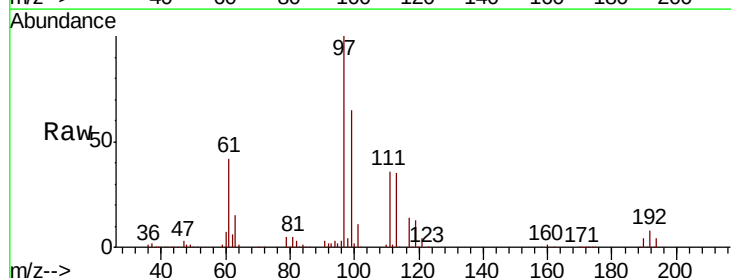
Tgt Ion: 97 Resp: 721980

Ion Ratio Lower Upper

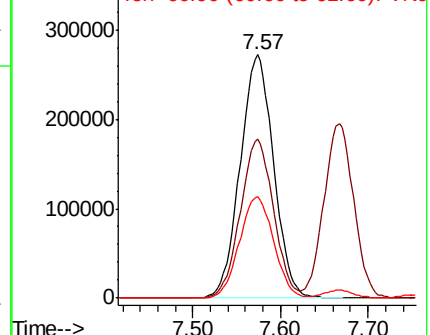
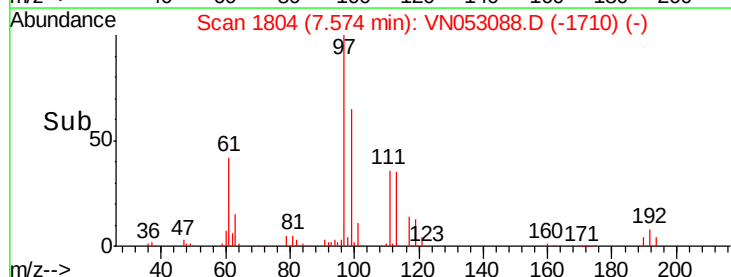
97 100

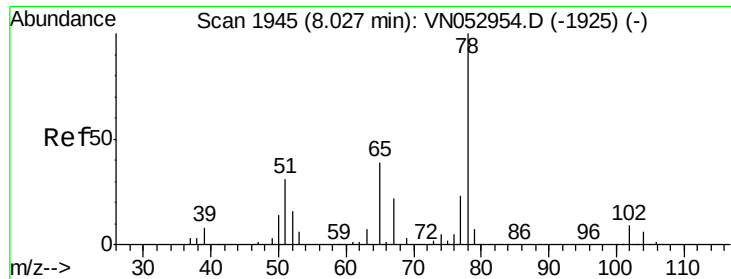
99 64.7 51.1 76.7

61 42.7 35.0 52.6



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

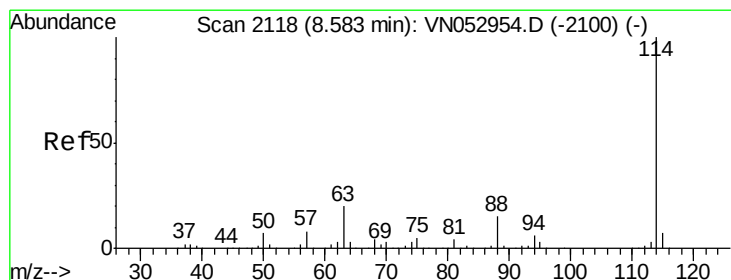
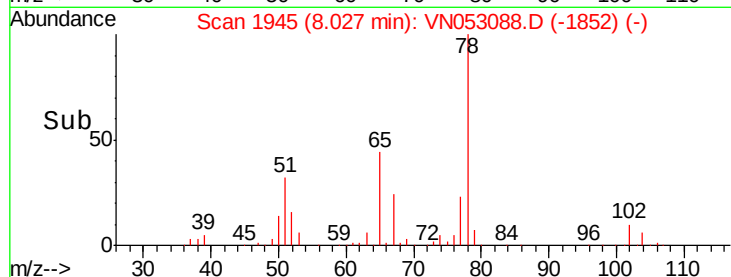
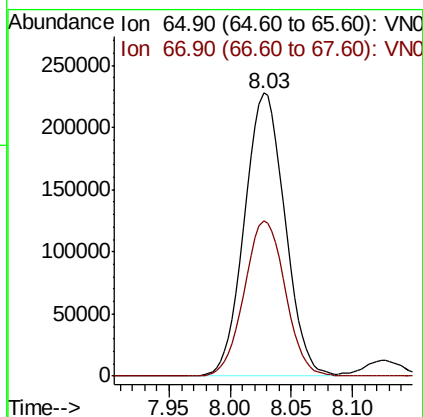
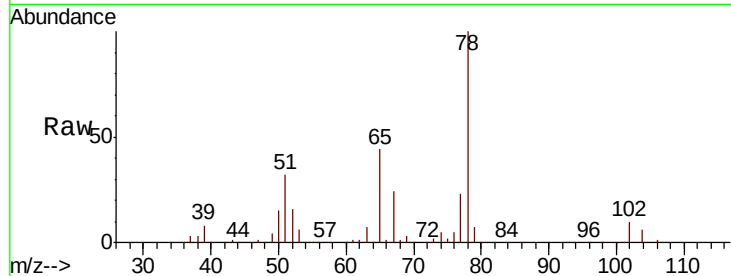




#33
 1,2-Dichloroethane-d4
 Concen: 50.016 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

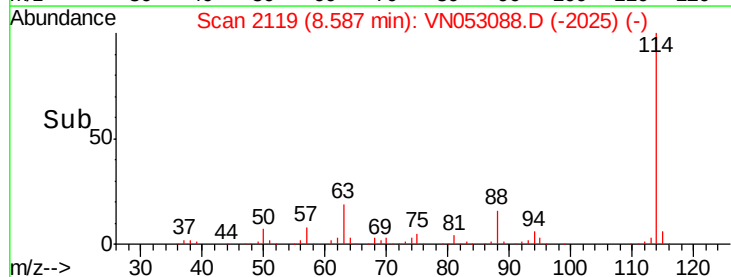
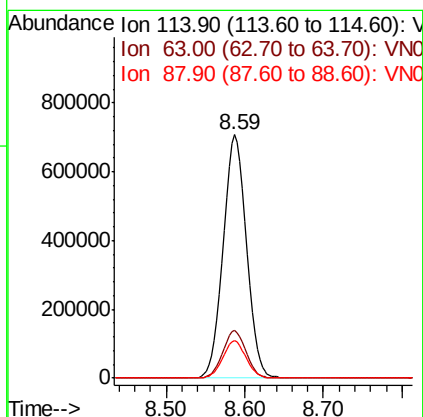
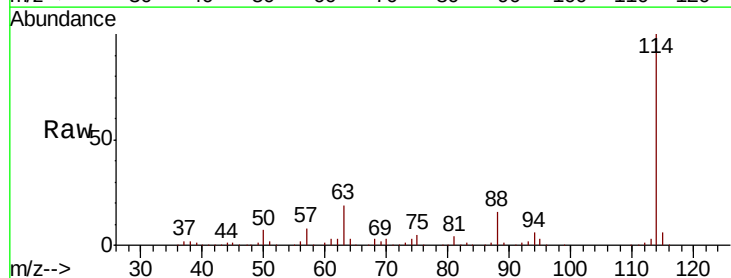
Instrument :
 MSVOA_N
 ClientSampled :

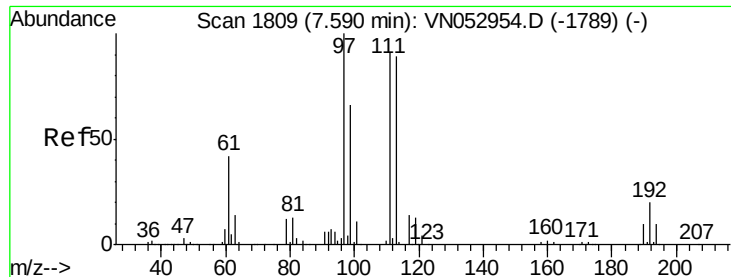
Tot Ion: 65 Resp: 523196
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion: 114 Resp: 1445414
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.5 0.0 31.0

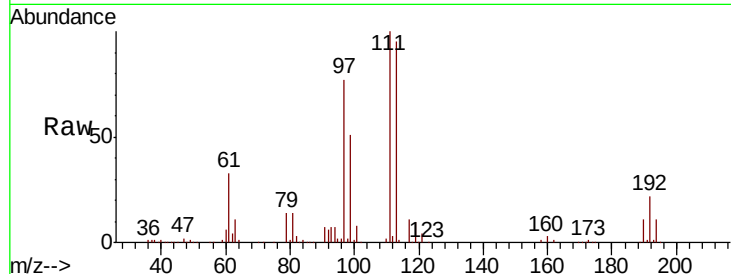




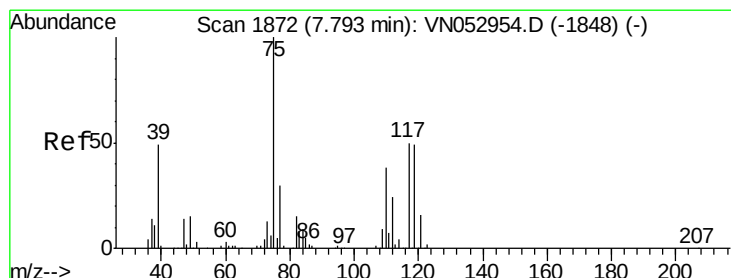
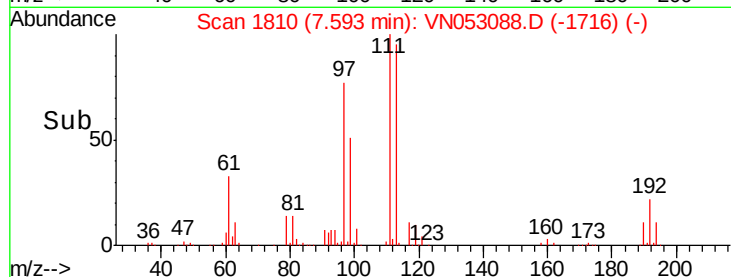
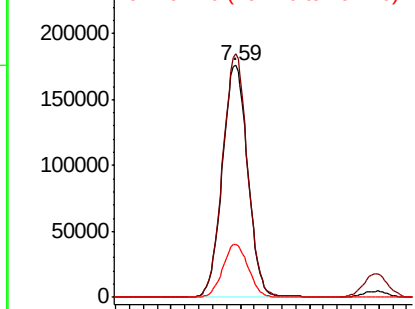
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.4
192	22.7	17.5	26.3

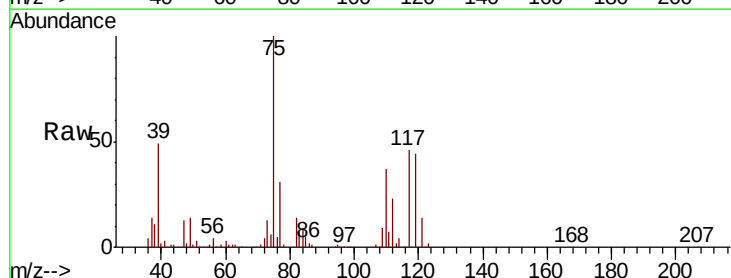


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

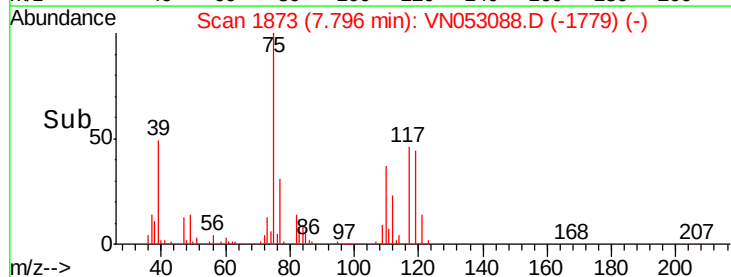
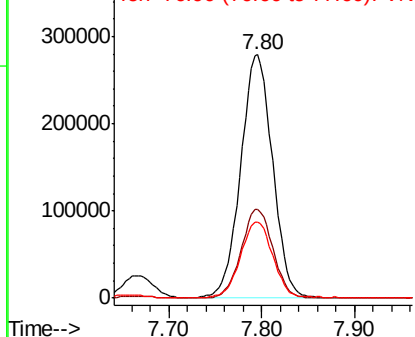


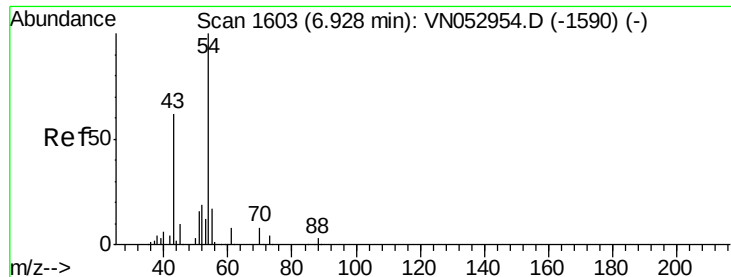
#36
 1,1-Dichloropropene
 Concen: 47.814 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.2	54.6
77	32.1	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

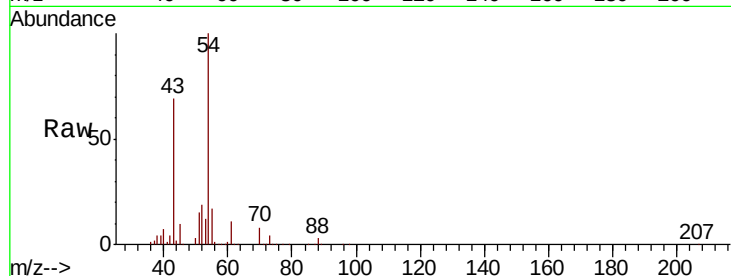




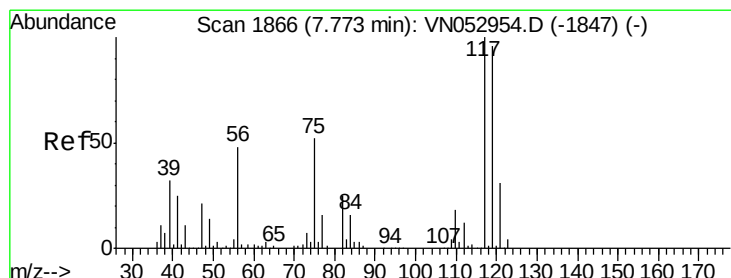
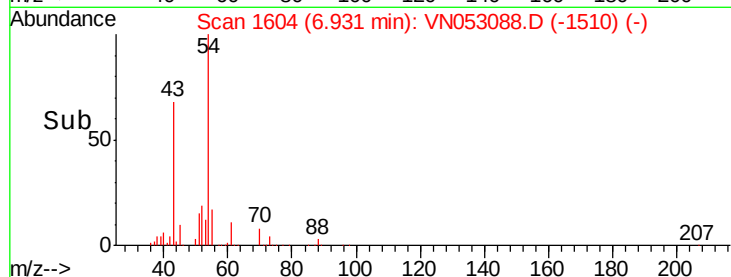
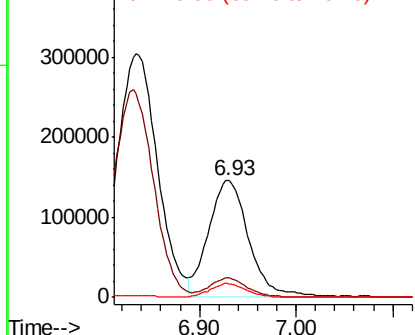
#37
Ethyl Acetate
Concen: 53.918 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 417588
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 11.0 8.4 12.6

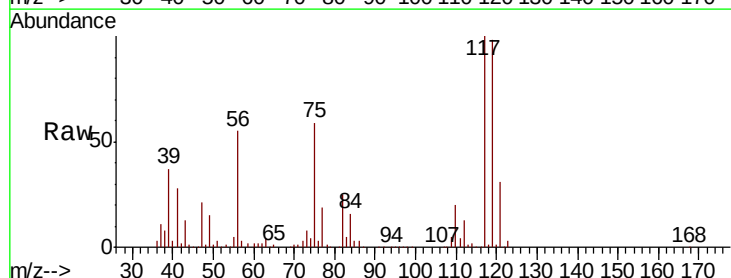


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

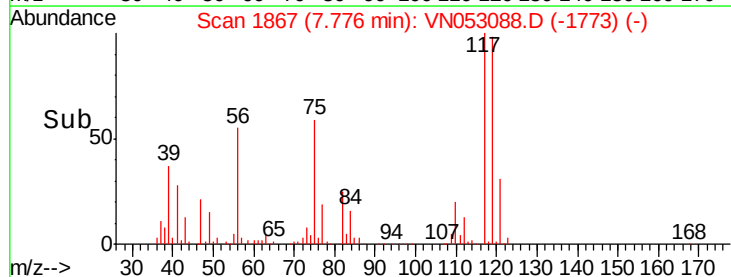
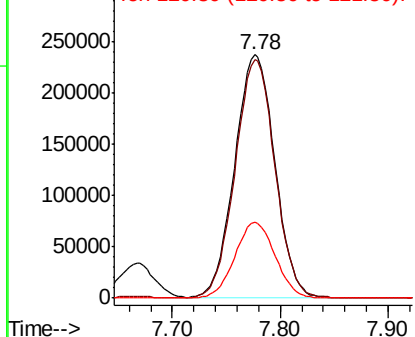


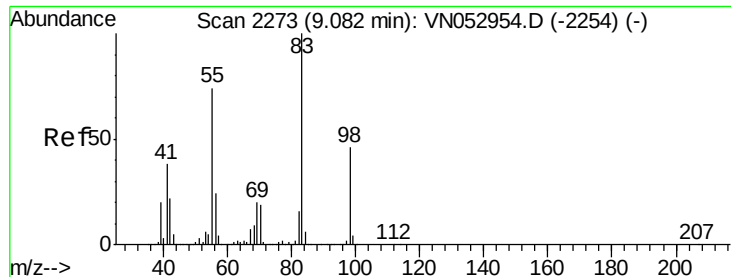
#38
Carbon Tetrachloride
Concen: 48.059 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 117 Resp: 611139
Ion Ratio Lower Upper
117 100
119 98.2 77.1 115.7
121 31.3 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

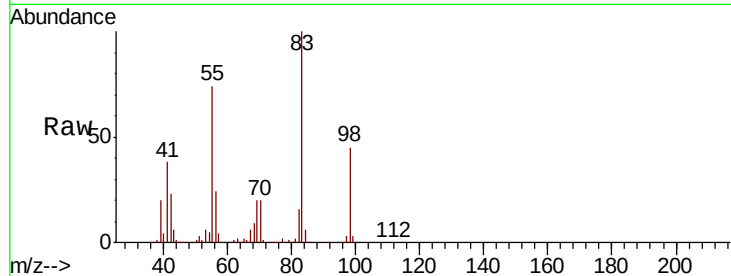




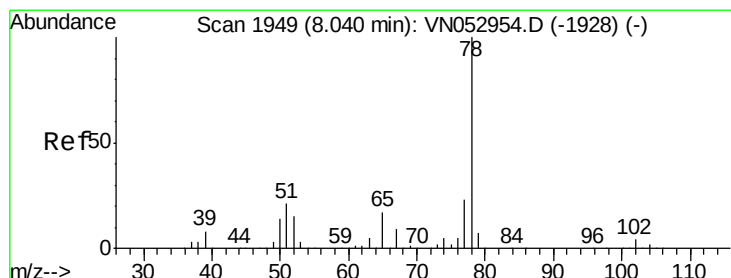
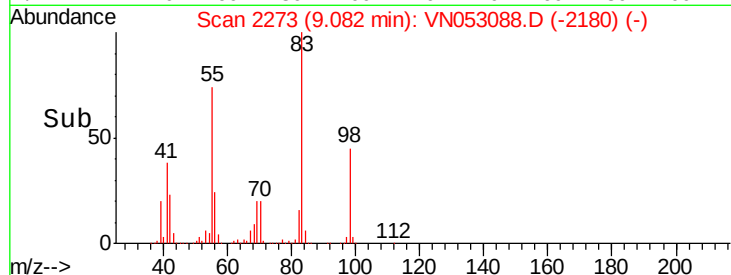
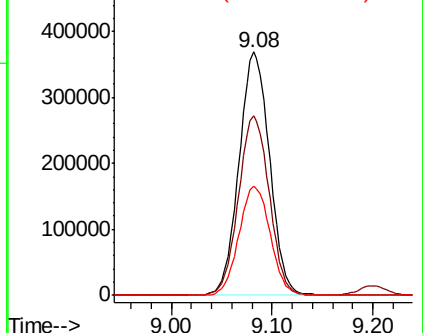
#39
Methylvlcyclohexane
Concen: 45.891 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 773420
Ion Ratio Lower Upper
83 100
55 73.5 61.3 91.9
98 44.6 37.0 55.4

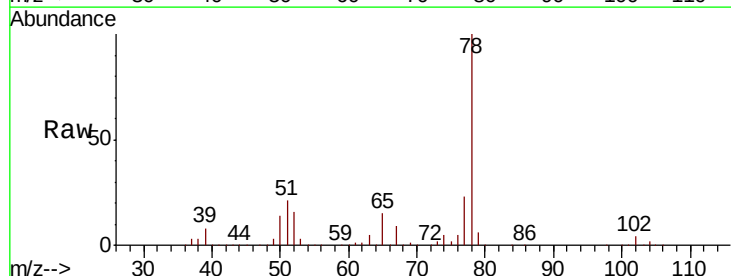


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

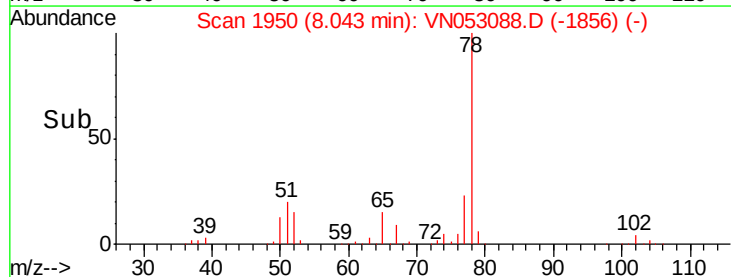
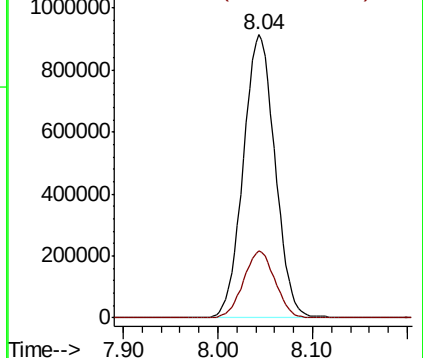


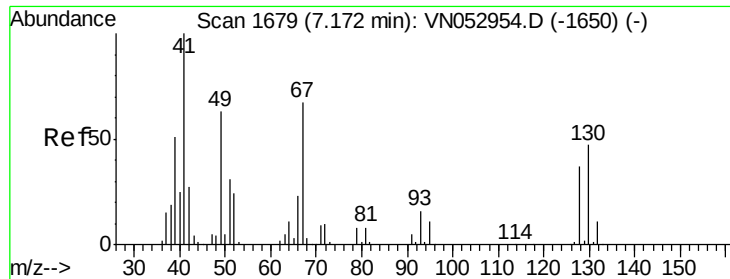
#40
Benzene
Concen: 51.760 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 78 Resp: 2135964
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7



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

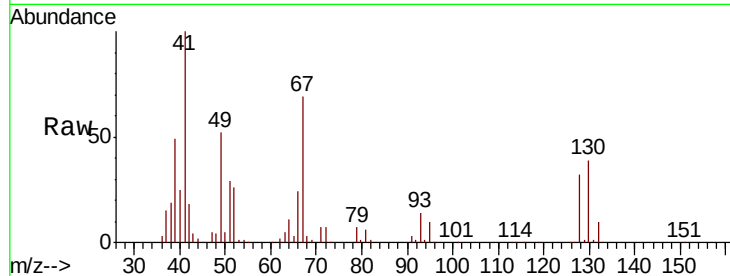




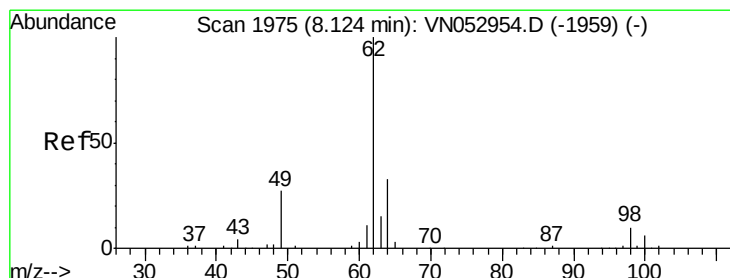
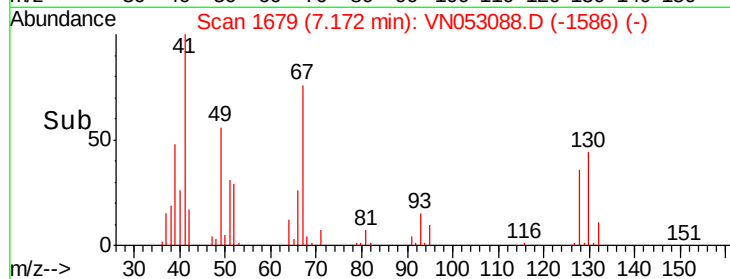
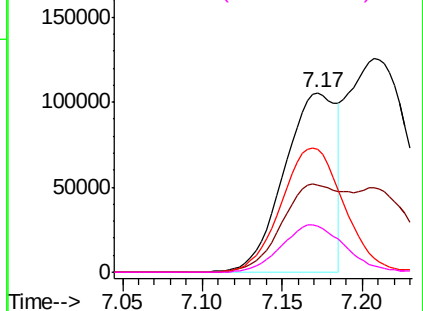
#41
Methacrylonitrile
Concen: 53.860 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 241017
Ion Ratio Lower Upper
41 100
39 61.5 48.0 72.0
67 83.6 70.3 105.5
52 32.3 26.9 40.3

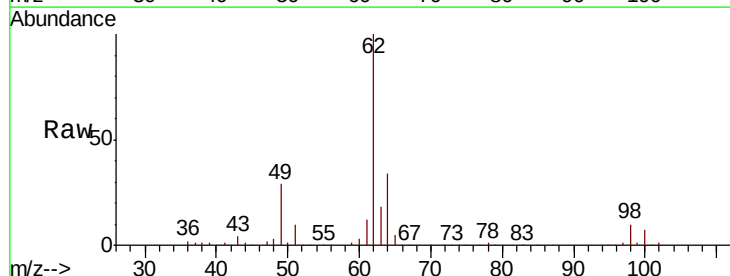


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

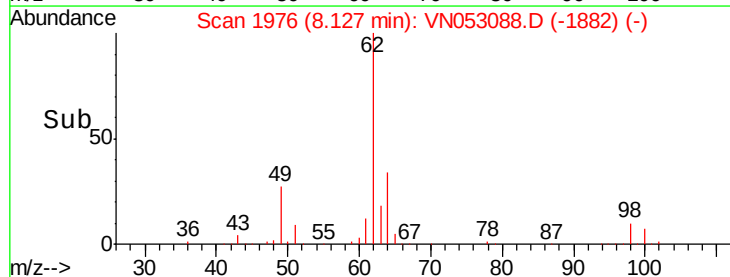
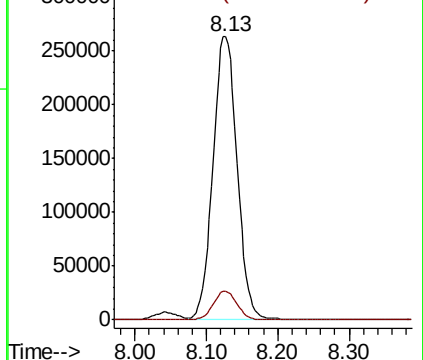


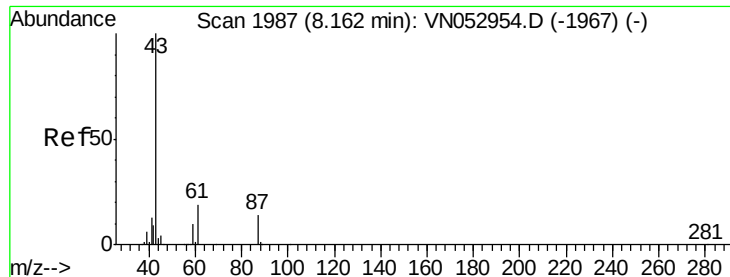
#42
1,2-Dichloroethane
Concen: 50.749 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 62 Resp: 618668
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 53.044 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampleId :

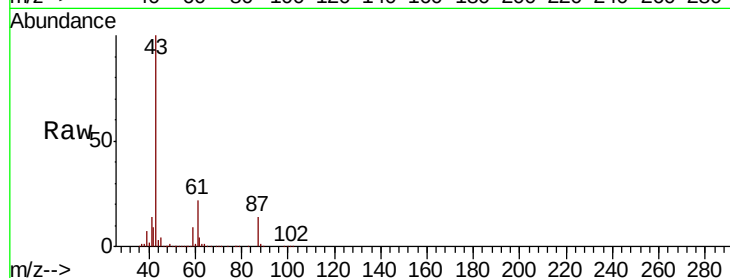
Tot Ion: 43 Resp: 794052

Ion Ratio Lower Upper

43 100

61 29.1 22.9 34.3

87 13.7 10.6 15.8

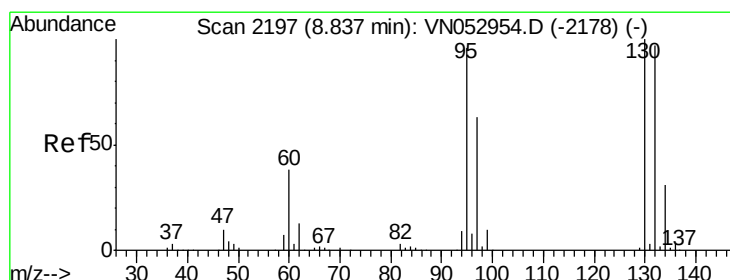
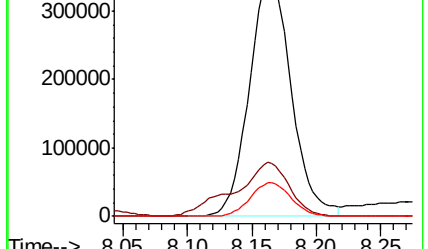
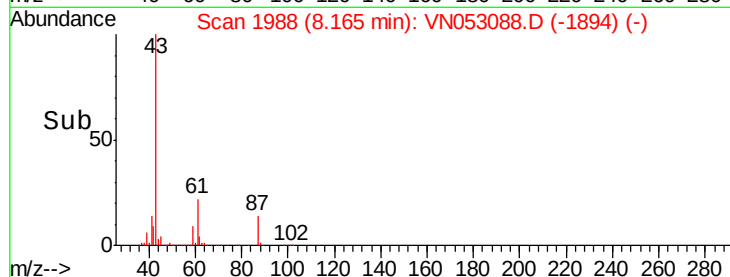


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 47.055 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053088.D

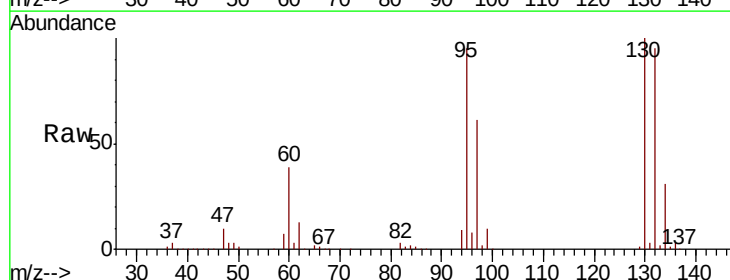
Acq: 21 Dec 2018 6:09

Tgt Ion: 130 Resp: 561641

Ion Ratio Lower Upper

130 100

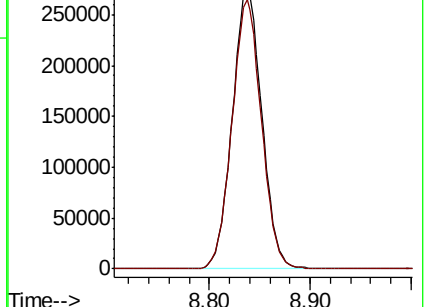
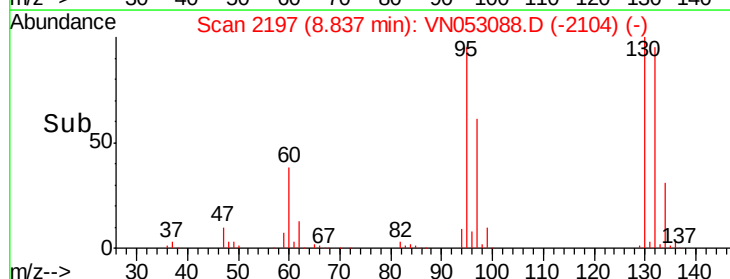
95 95.1 0.0 197.8

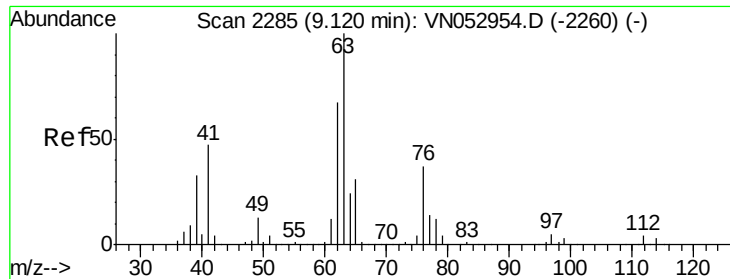


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

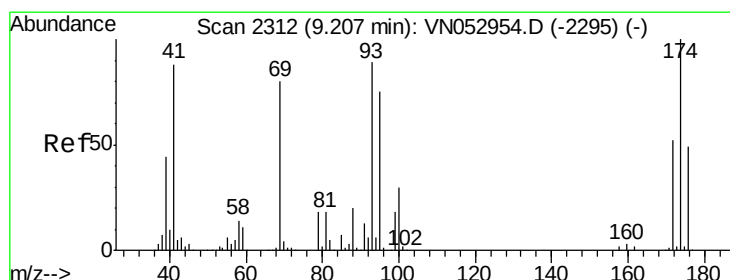
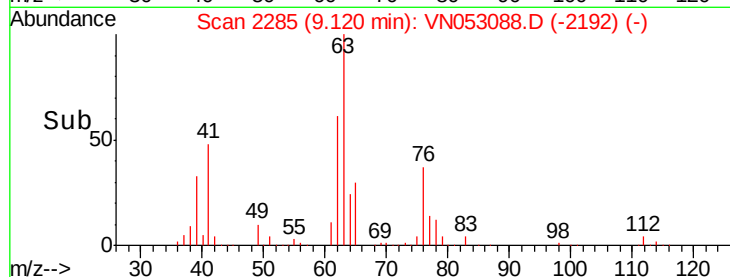
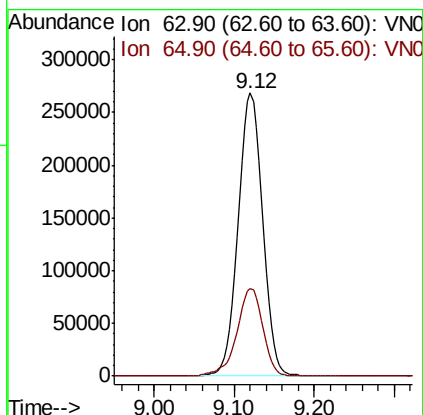
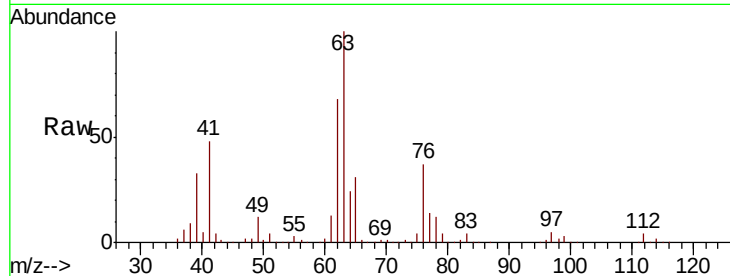




#45
 1,2-Dichloropropane
 Concen: 51.360 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

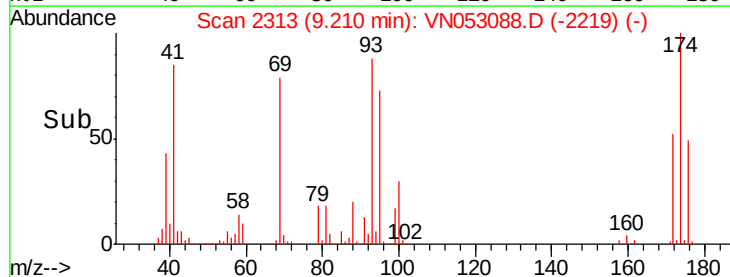
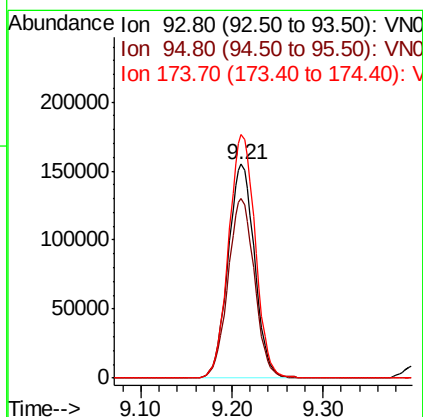
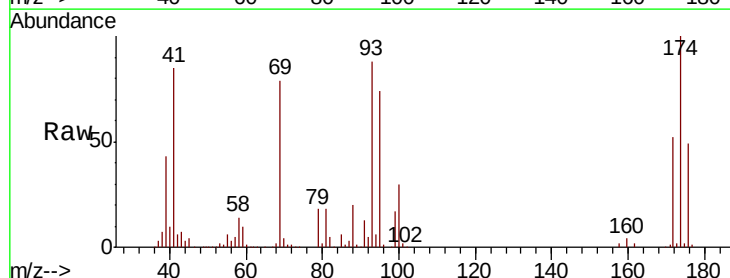
Instrument :
 MSVOA_N
 ClientSampleId :

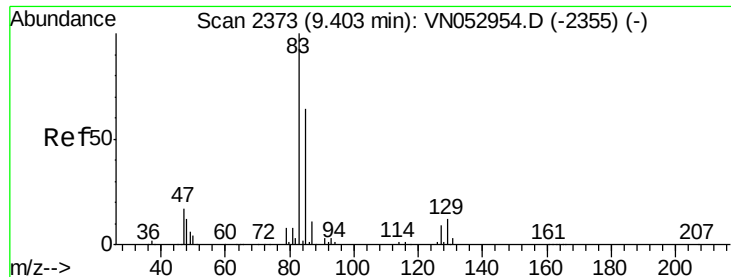
Tot Ion: 63 Resp: 552056
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0



#46
 Dibromomethane
 Concen: 50.214 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion: 93 Resp: 314420
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.8 101.6
 174 114.1 89.0 133.4





#47

Bromodichloromethane

Concen: 50.647 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampleId :

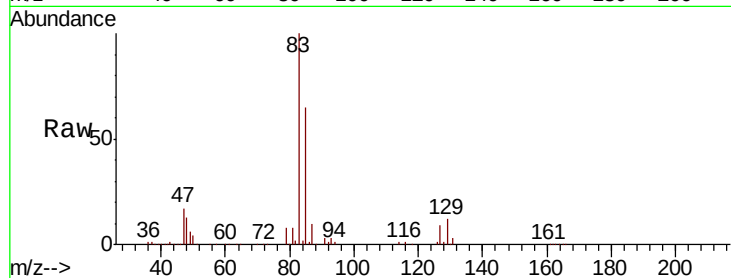
Tot Ion: 83 Resp: 674112

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

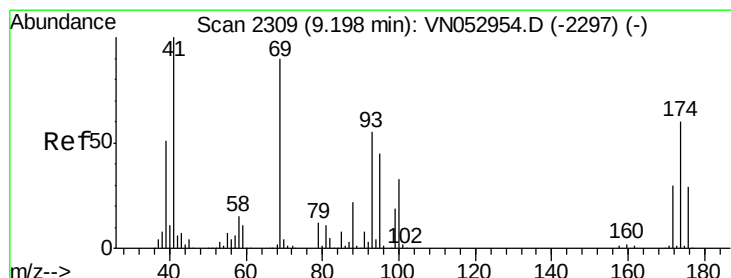
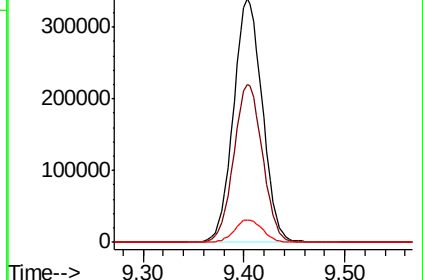
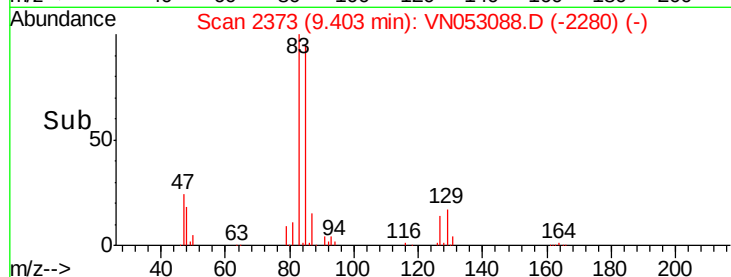
127 9.3 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053088.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053088.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053088.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.004 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

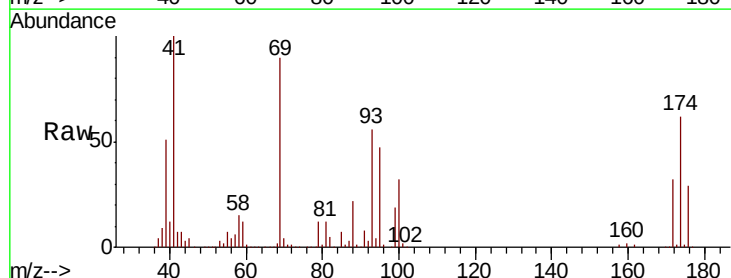
Tgt Ion: 41 Resp: 390832

Ion Ratio Lower Upper

41 100

69 93.0 72.2 108.2

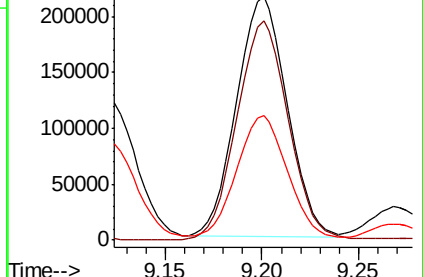
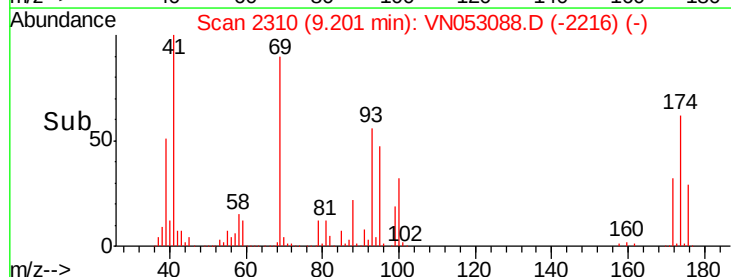
39 52.9 41.9 62.9

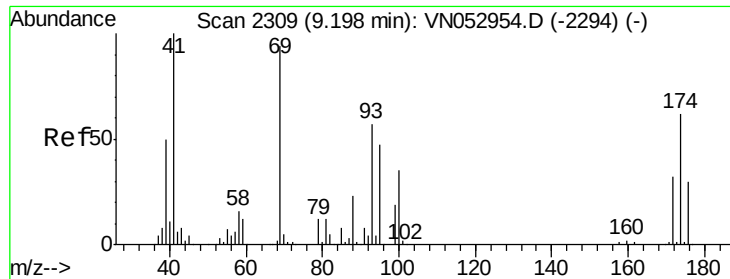


Abundance Ion 41.00 (40.70 to 41.70): VN053088.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053088.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053088.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1047.807 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :
MSVOA_N
ClientSampled :

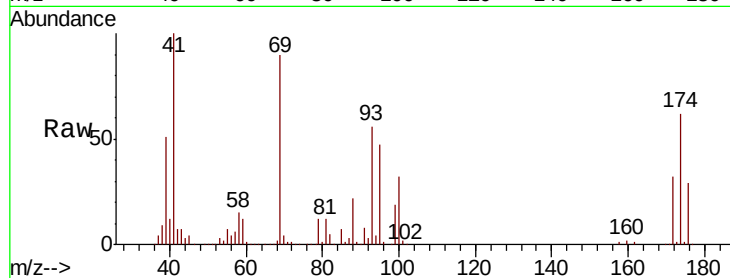
Tot Ion: 88 Resp: 99611

Ion Ratio Lower Upper

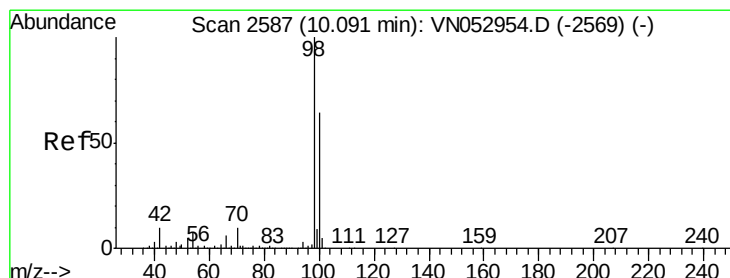
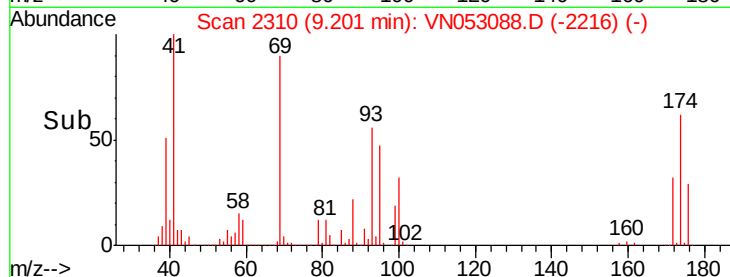
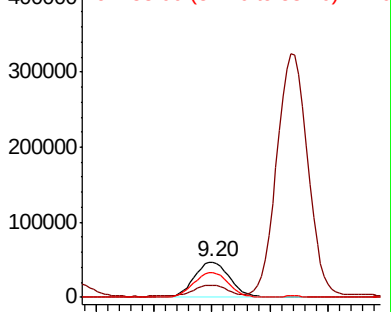
88 100

43 31.0 26.6 40.0

58 69.4 58.4 87.6



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



#50

Toluene-d8

Concen: 1047.807 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053088.D

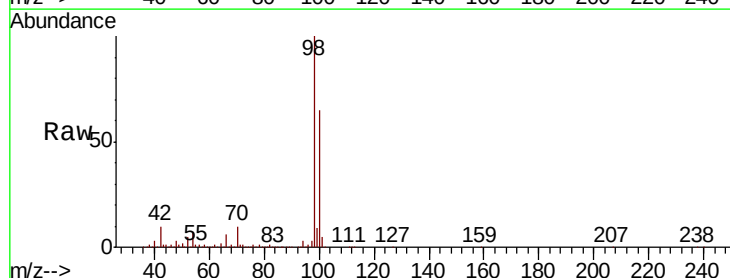
Acq: 21 Dec 2018 6:09

Tgt Ion: 98 Resp: 1916908

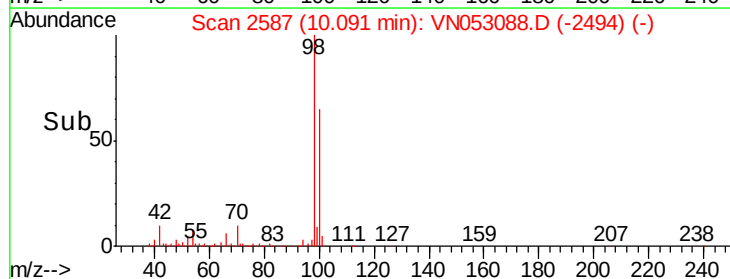
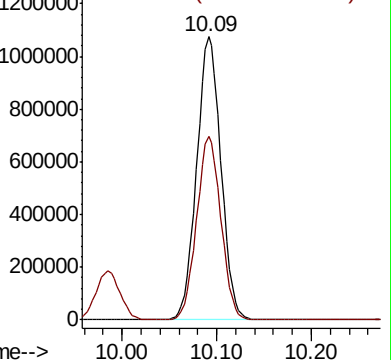
Ion Ratio Lower Upper

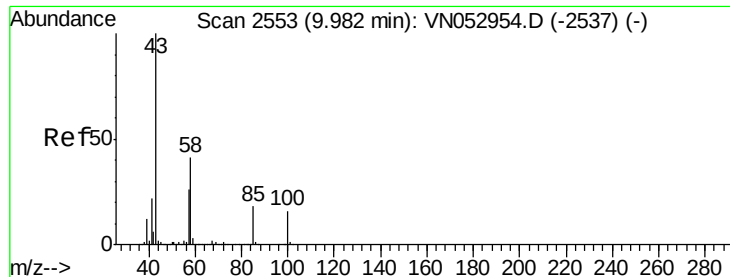
98 100

100 64.7 51.6 77.4



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

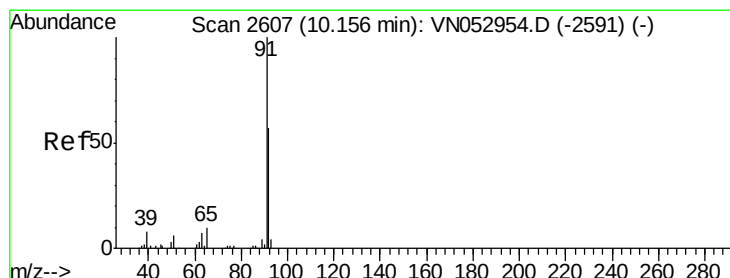
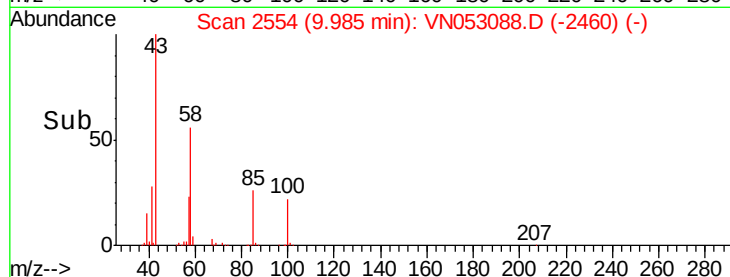
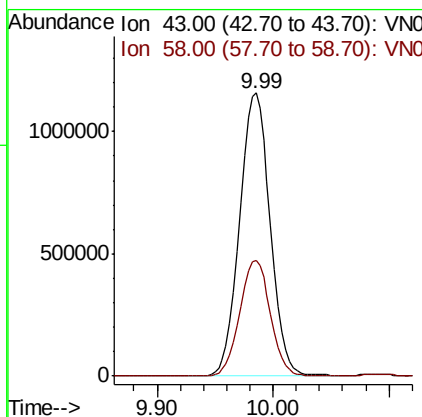
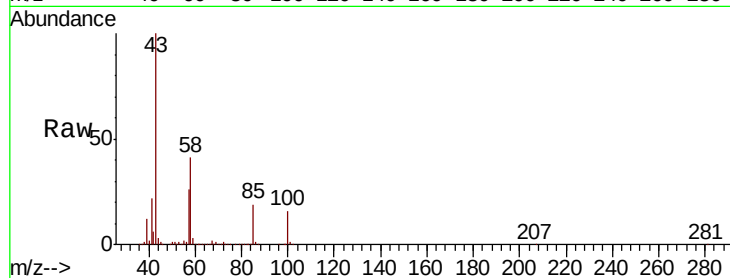




#51
 4-Methyl-2-Pentanone
 Concen: 281.308 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

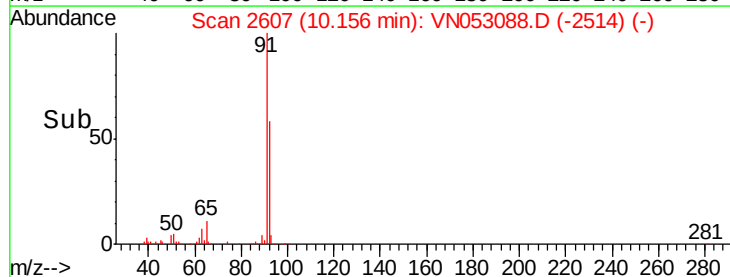
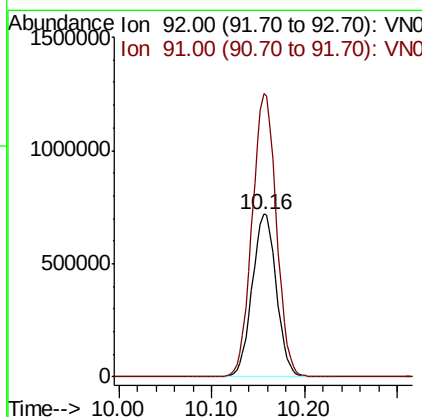
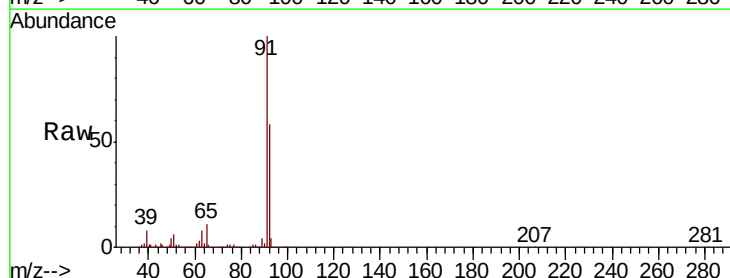
Instrument :
 MSVOA_N
 ClientSampled :

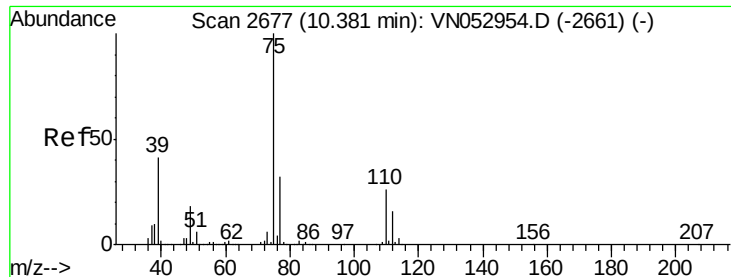
Tot Ion: 43 Resp: 2109886
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.2 48.4



#52
 Toluene
 Concen: 50.860 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion: 92 Resp: 1300891
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 47.966 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

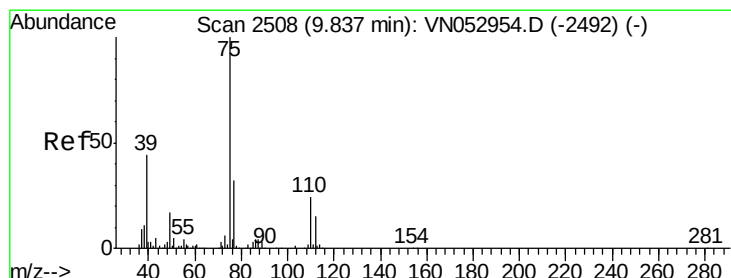
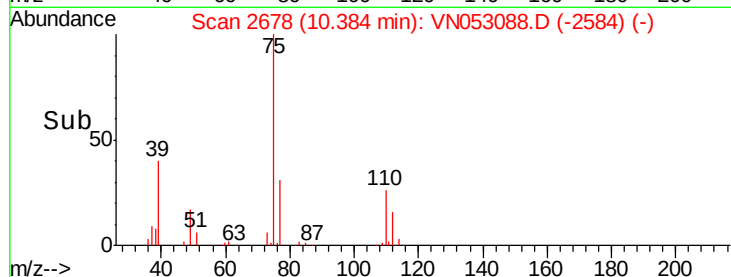
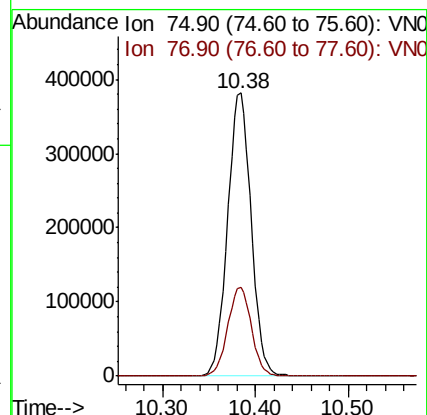
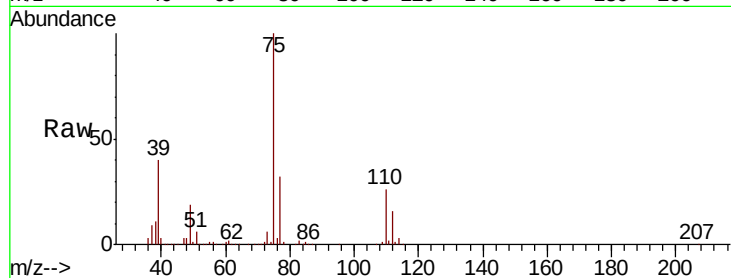
ClientSampleId :

Tot Ion: 75 Resp: 671334

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 48.454 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

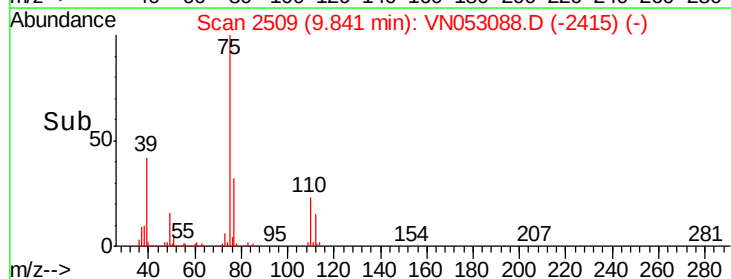
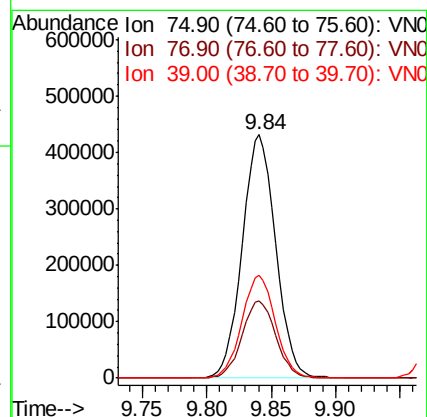
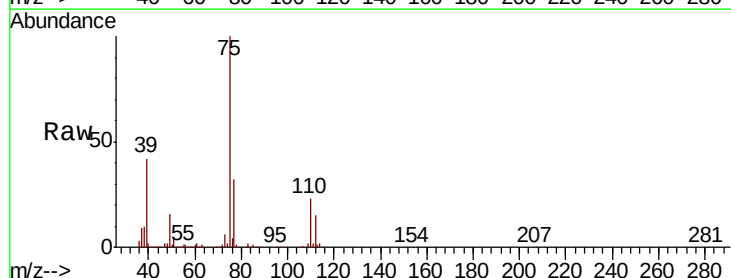
Tgt Ion: 75 Resp: 778424

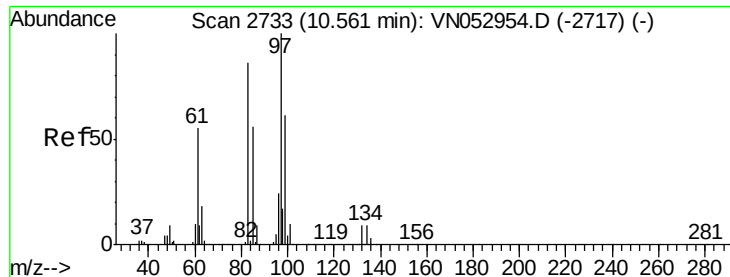
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 42.1 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 52.584 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 469230

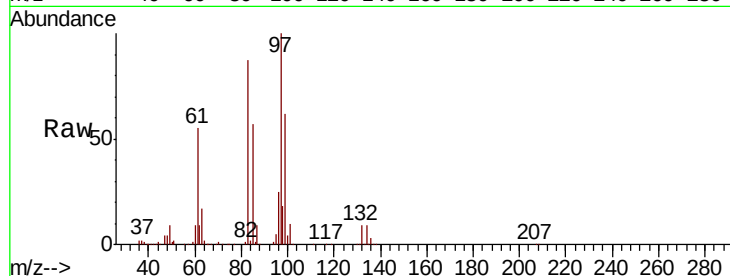
Ion Ratio Lower Upper

97 100

83 86.7 70.9 106.3

85 56.6 45.4 68.2

99 61.8 50.4 75.6

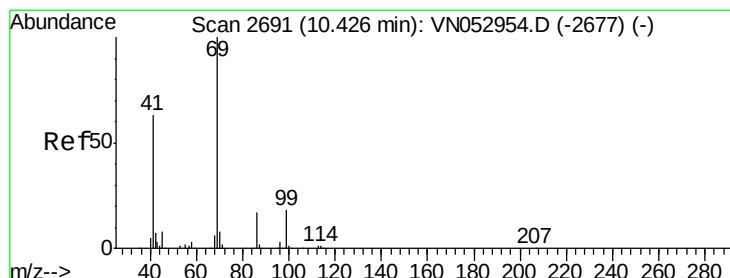
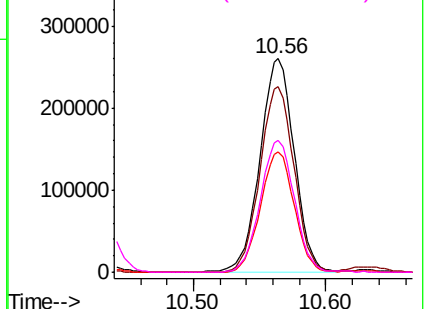
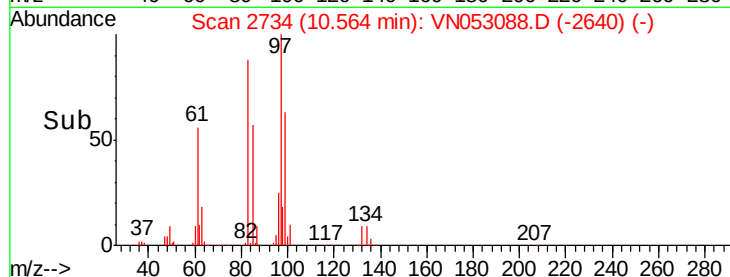


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.412 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

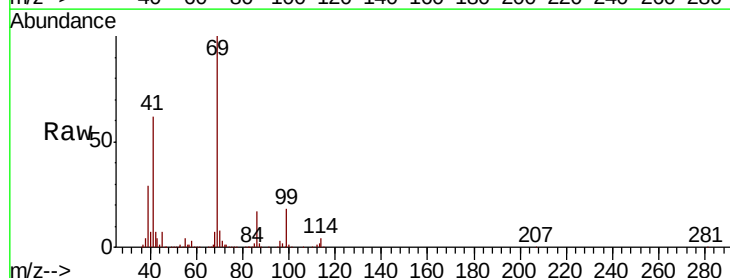
Tgt Ion: 69 Resp: 654470

Ion Ratio Lower Upper

69 100

41 61.8 51.7 77.5

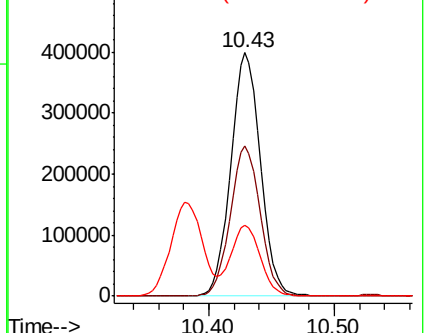
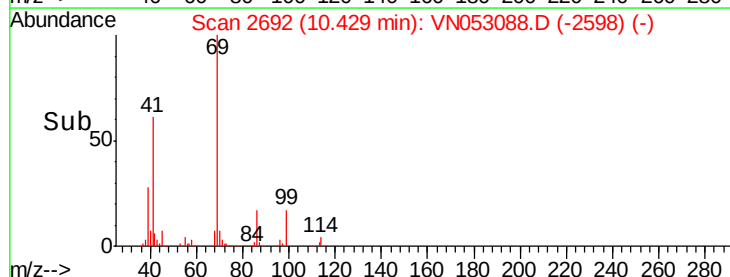
39 29.2 24.6 37.0

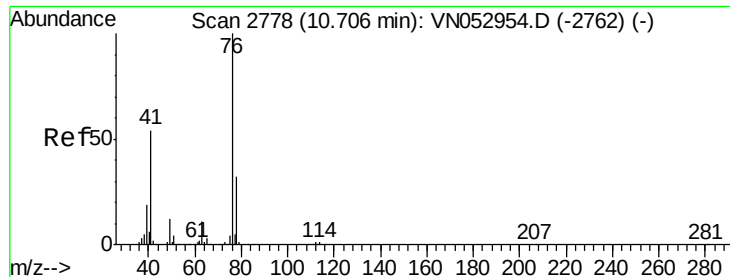


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.739 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

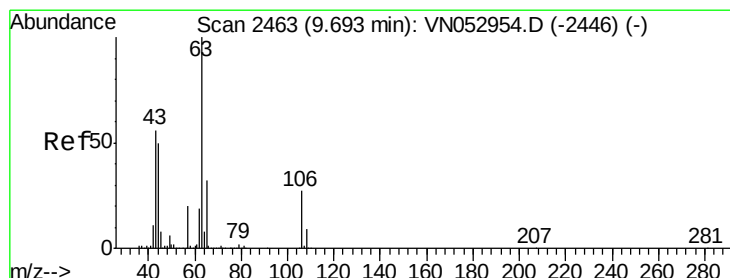
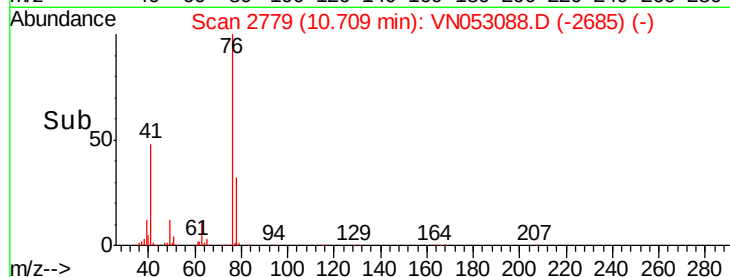
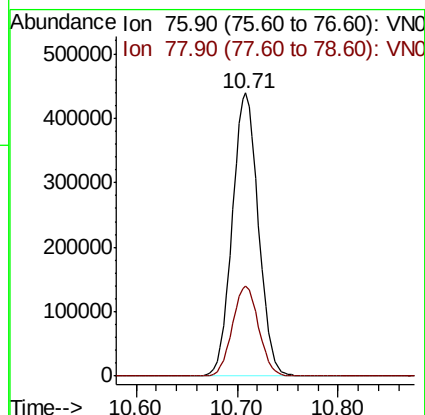
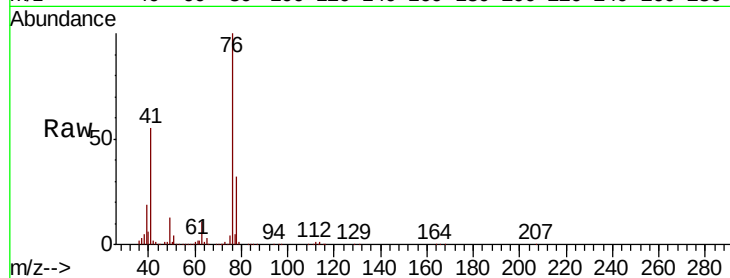
ClientSampleId :

Tot Ion: 76 Resp: 791704

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 257.386 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053088.D

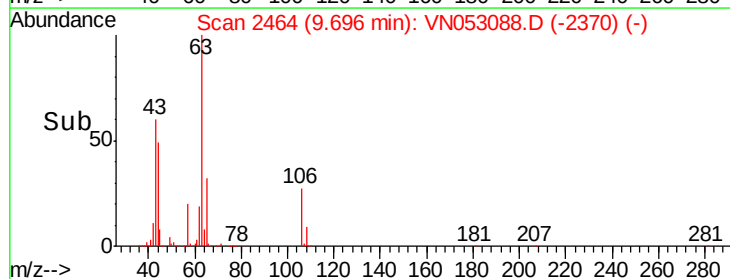
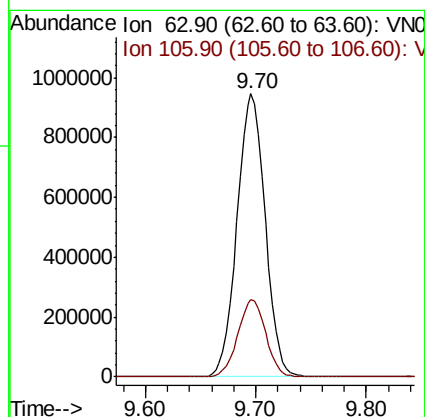
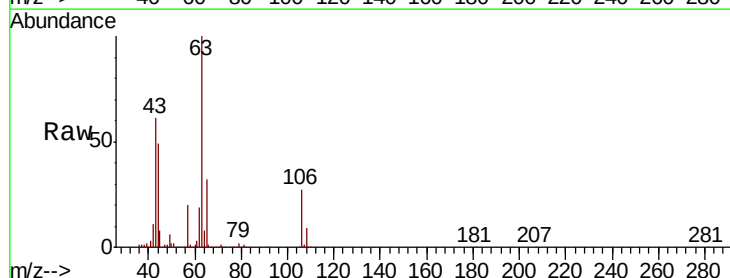
Acq: 21 Dec 2018 6:09

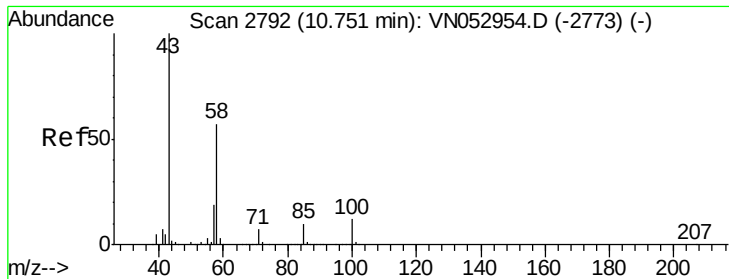
Tgt Ion: 63 Resp: 1668936

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6

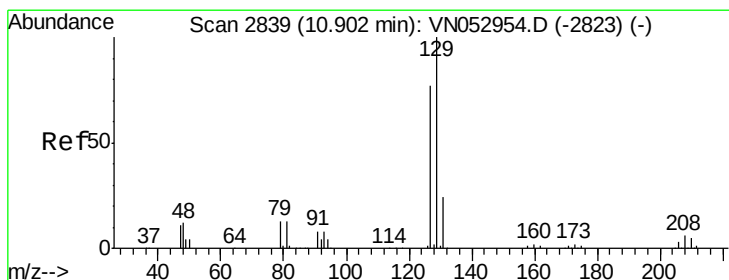
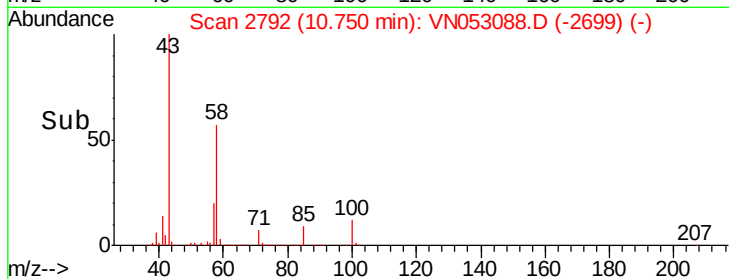
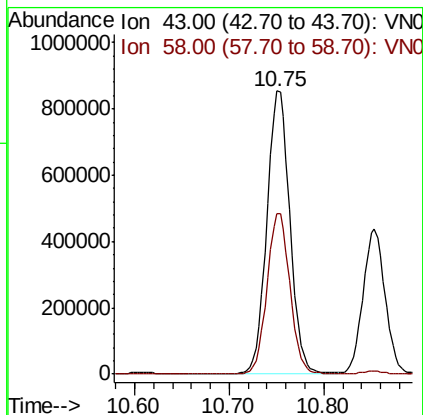
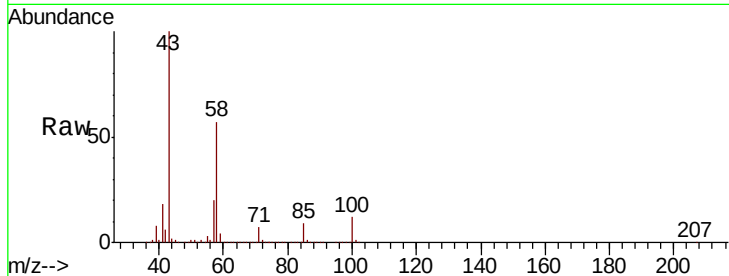




#59
2-Hexanone
Concen: 284.118 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

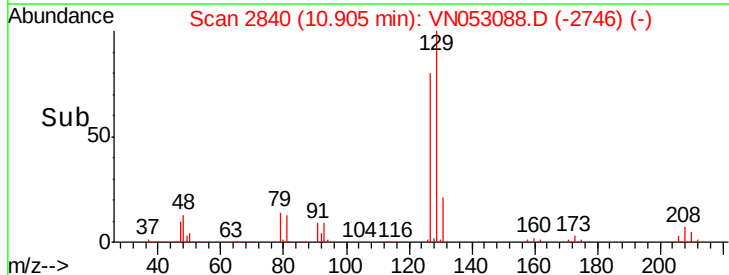
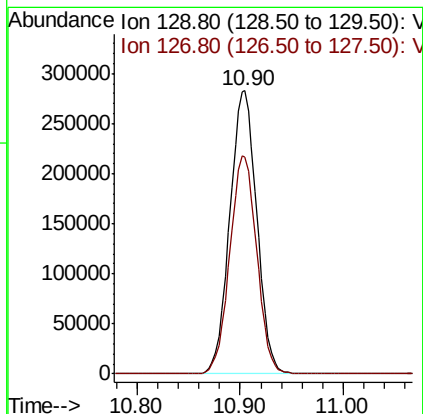
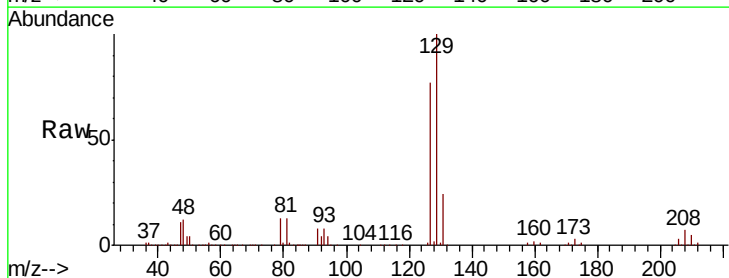
Instrument :
MSVOA_N
ClientSampleId :

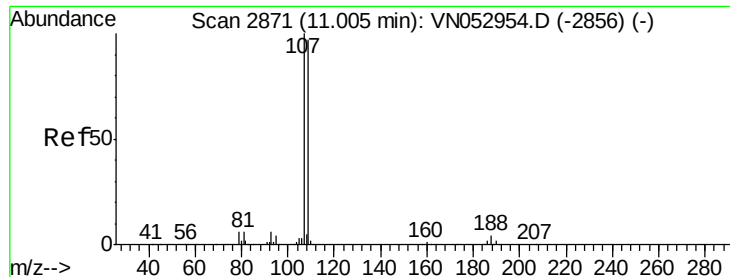
Tot Ion: 43 Resp: 1441772
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 50.520 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 129 Resp: 516033
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.819 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

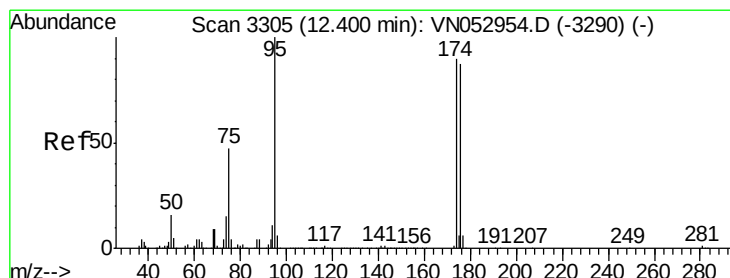
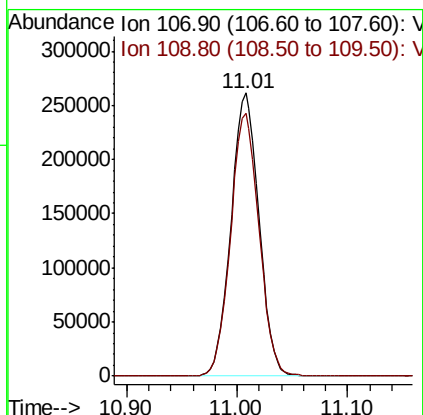
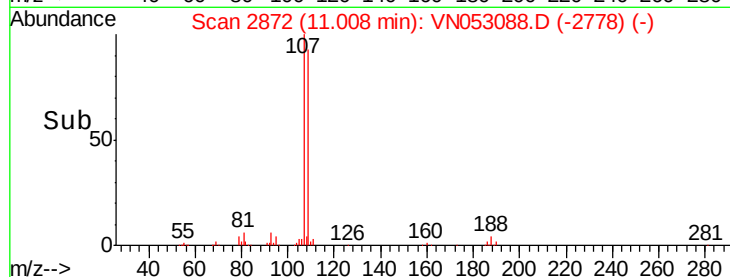
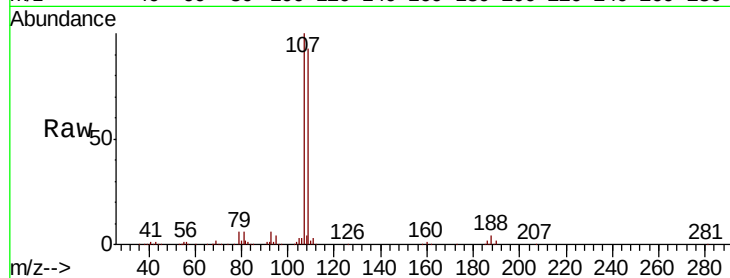
ClientSampleId :

Tot Ion:107 Resp: 460553

Ion Ratio Lower Upper

107 100

109 94.4 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 50.819 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

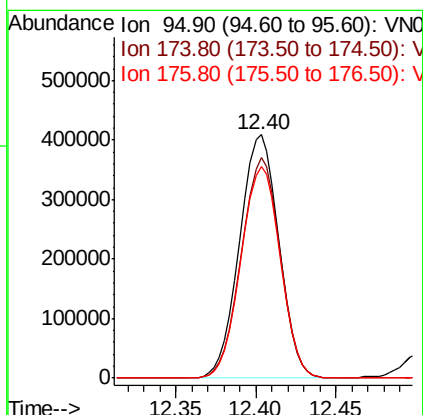
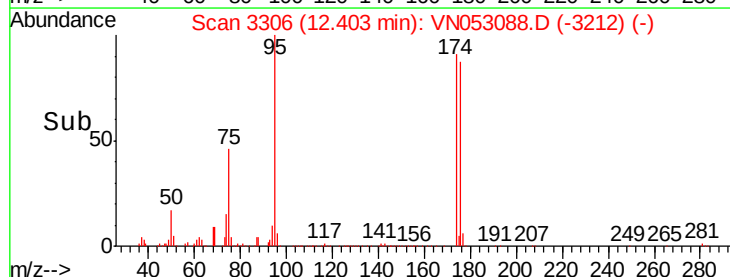
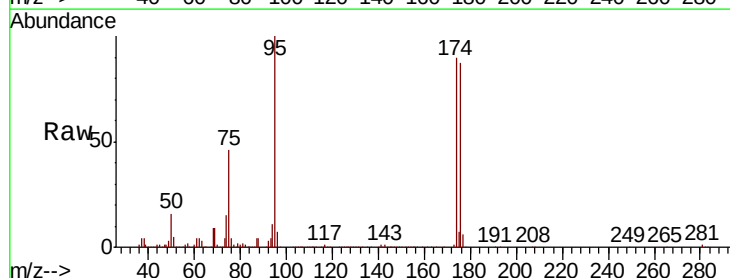
Tgt Ion: 95 Resp: 681316

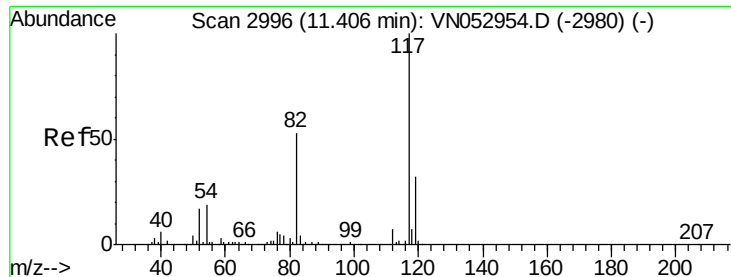
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 87.5 0.0 173.8

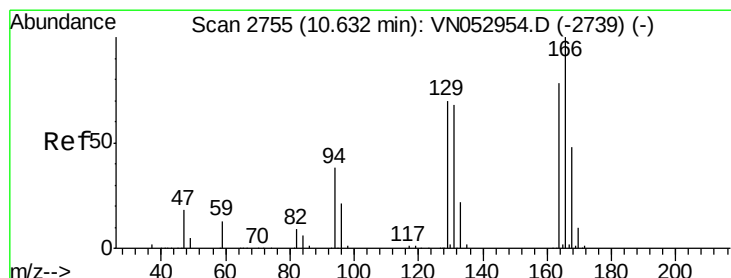
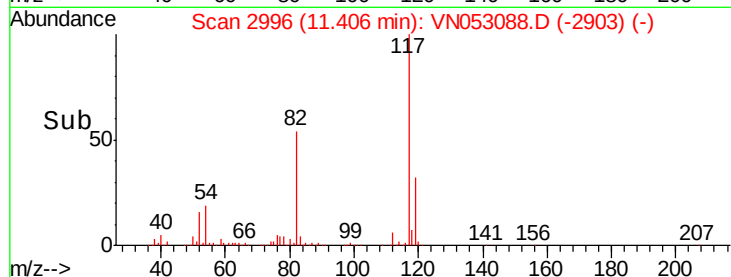
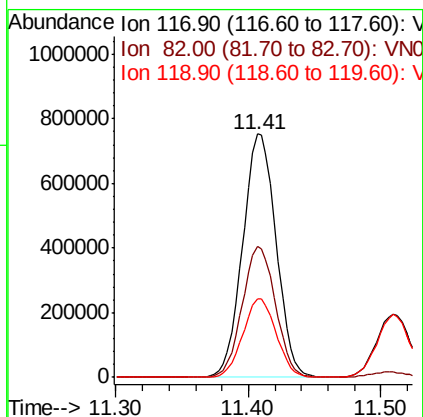
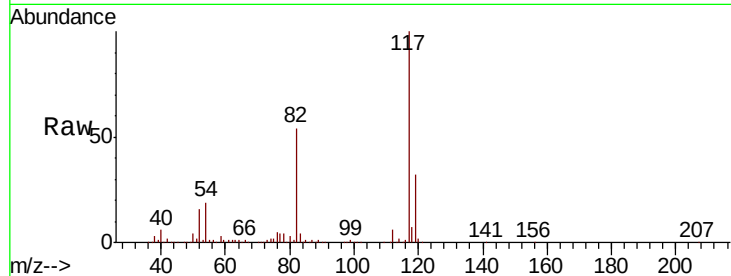




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

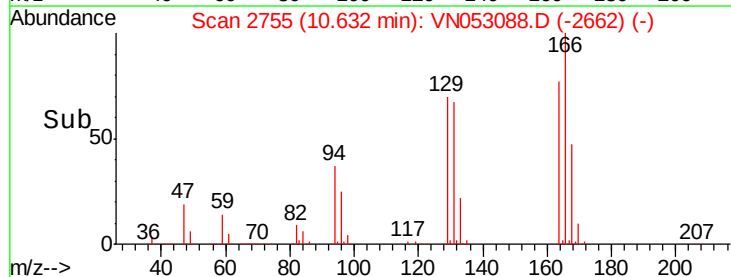
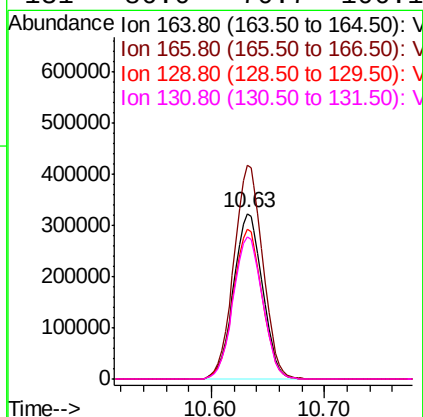
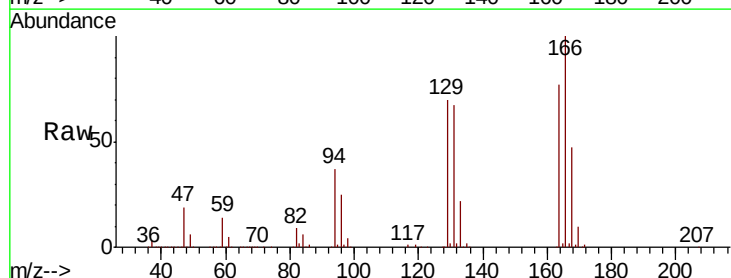
Instrument :
MSVOA_N
ClientSampled :

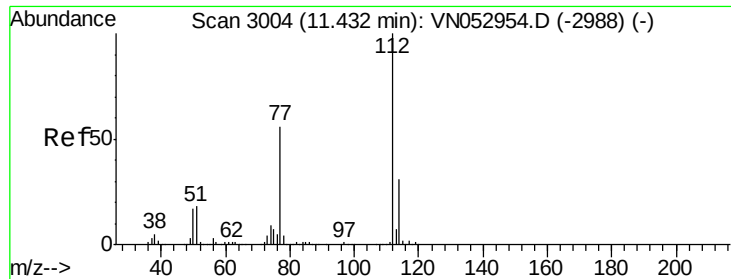
Tot Ion:117 Resp: 1318303
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 40.213 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion:164 Resp: 574249
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 90.3 73.7 110.5
131 86.0 70.7 106.1

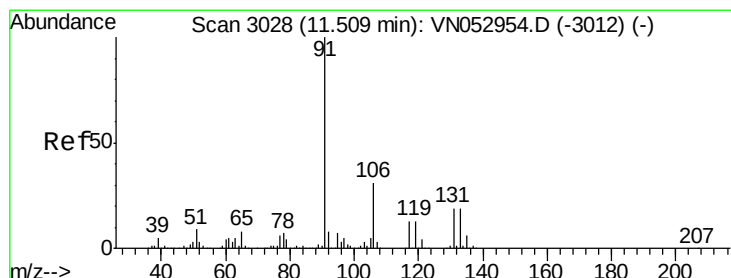
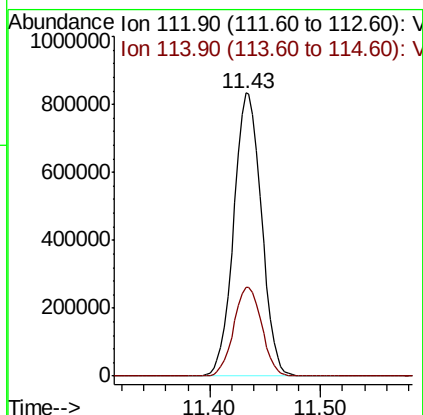
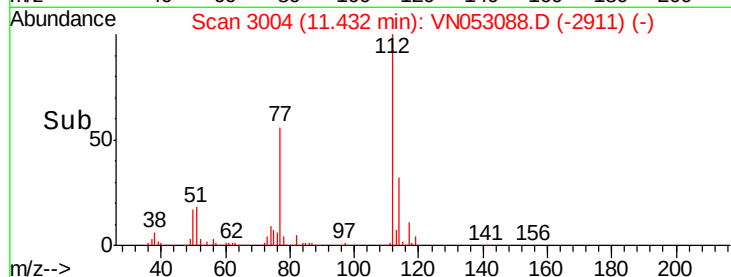
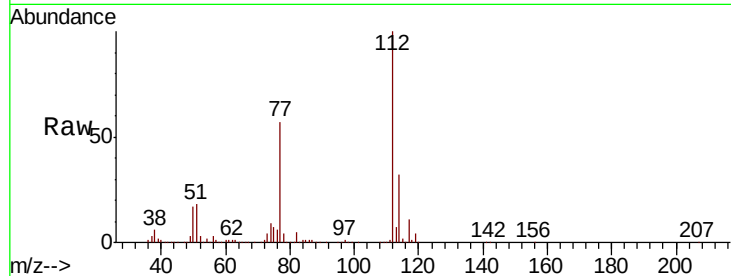




#65
Chlorobenzene
Concen: 49.606 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

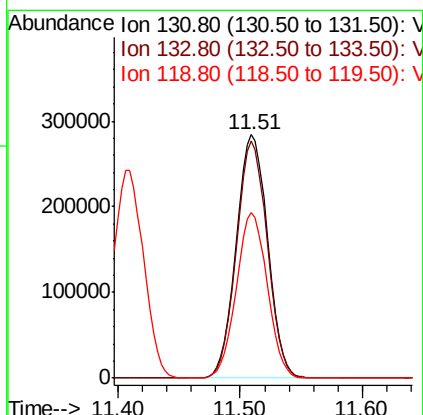
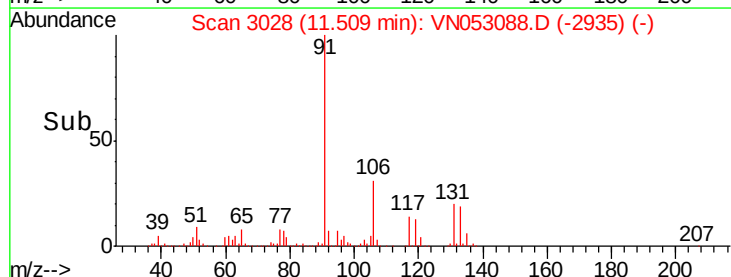
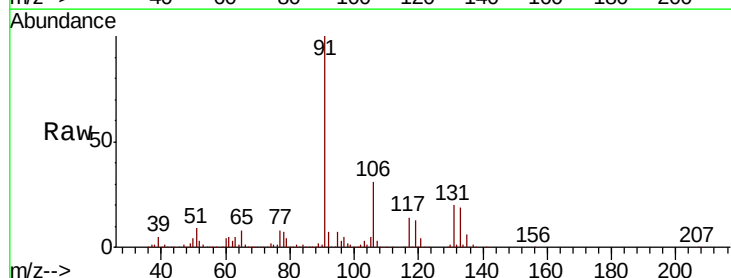
Instrument :
MSVOA_N
ClientSampled :

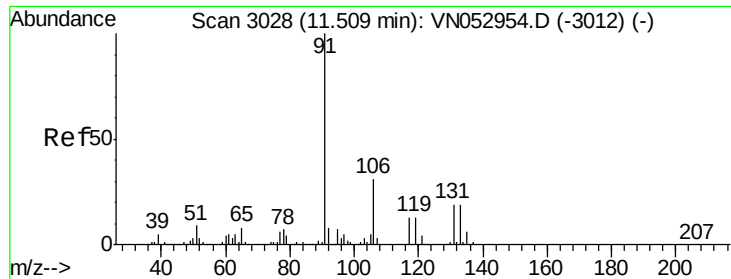
Tot Ion:112 Resp: 1449653
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.658 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion:131 Resp: 504635
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 67.1 33.3 99.8

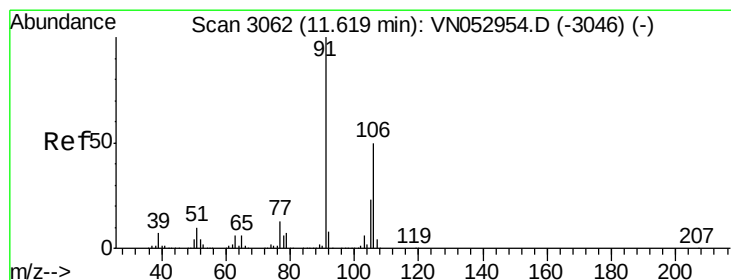
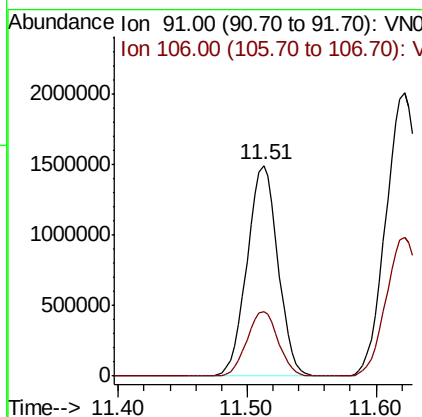
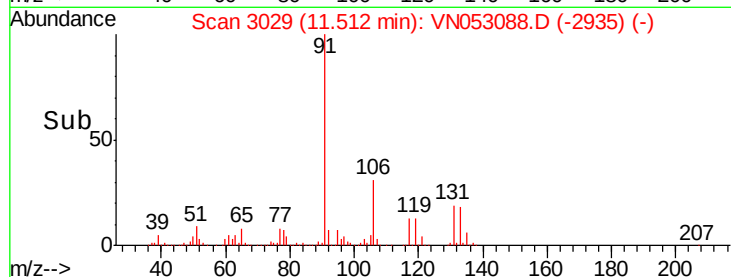
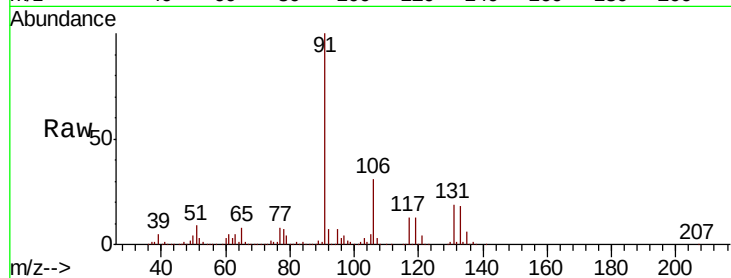




#67
Ethyl Benzene
Concen: 49.644 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

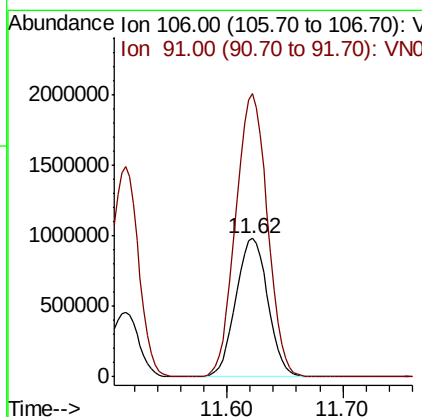
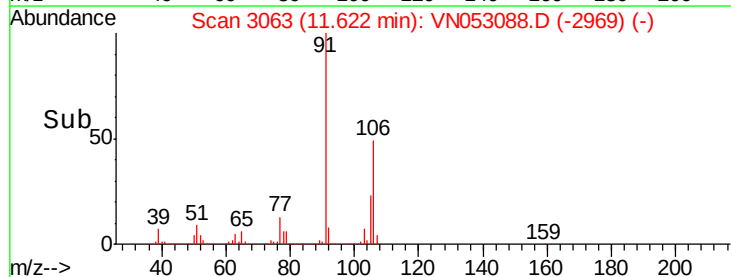
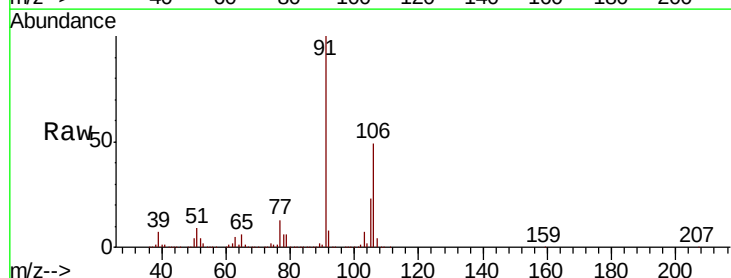
Instrument :
MSVOA_N
ClientSampled :

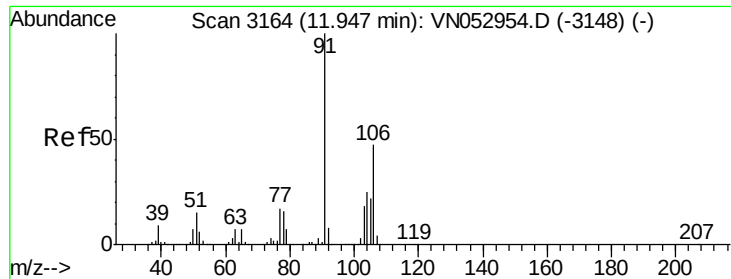
Tot Ion: 91 Resp: 2494885
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 98.835 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion: 106 Resp: 1888267
Ion Ratio Lower Upper
106 100
91 203.3 162.2 243.4

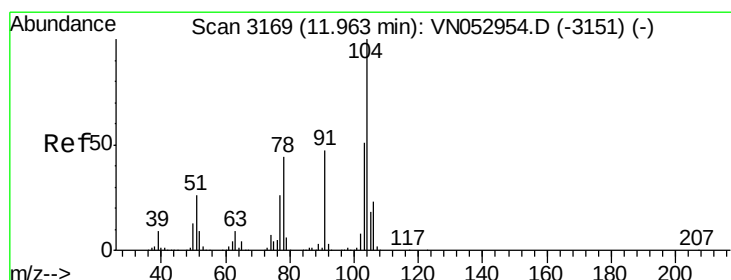
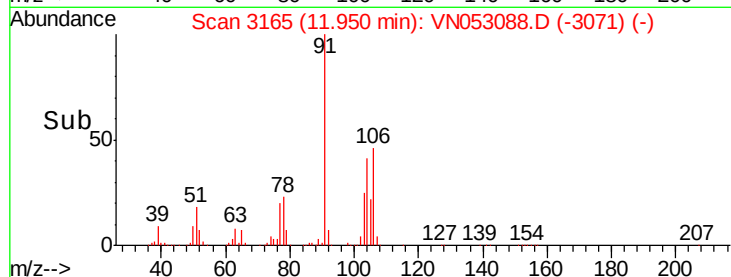
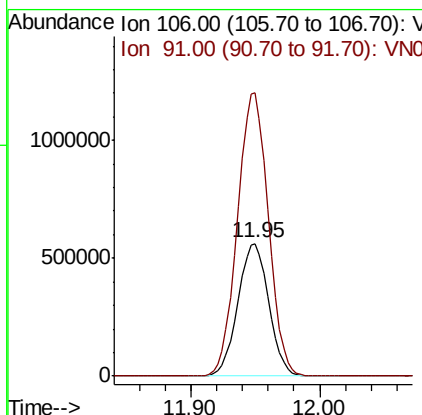
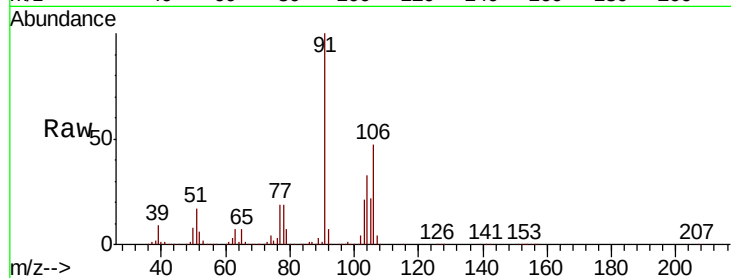




#69
o-Xylene
Concen: 51.030 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

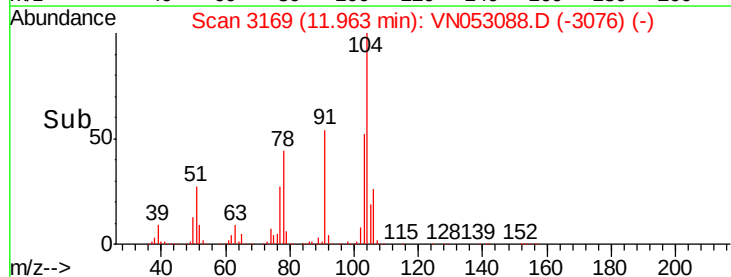
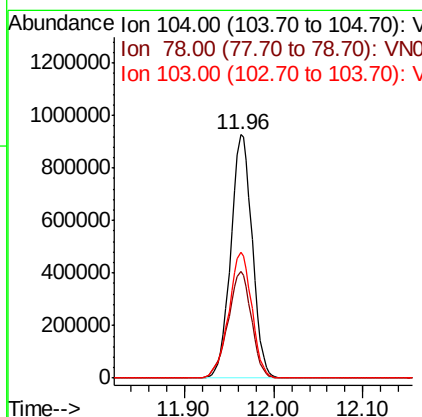
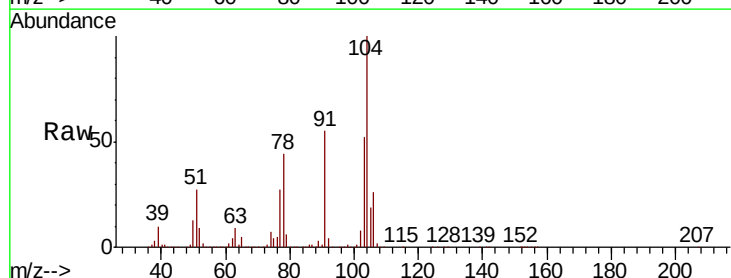
Instrument :
MSVOA_N
ClientSampled :

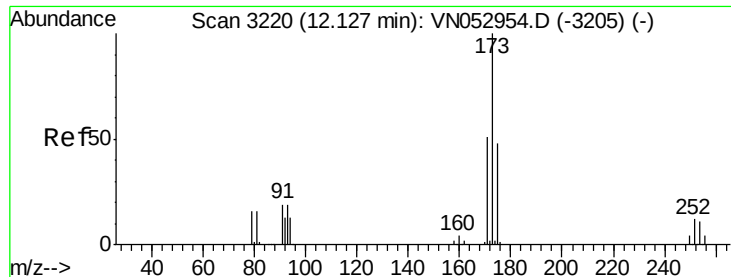
Tot Ion:106 Resp: 93537
Ion Ratio Lower Upper
106 100
91 213.8 106.6 319.8



#70
Styrene
Concen: 51.514 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053088.D
Acq: 21 Dec 2018 6:09

Tgt Ion:104 Resp: 1539949
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.7 44.3 66.5





#71

Bromoform

Concen: 48.830 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

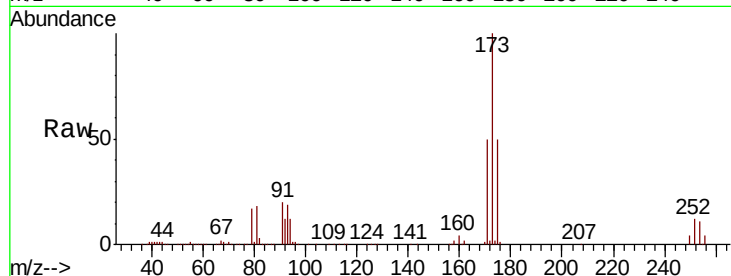
Tot Ion:173 Resp: 358476

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

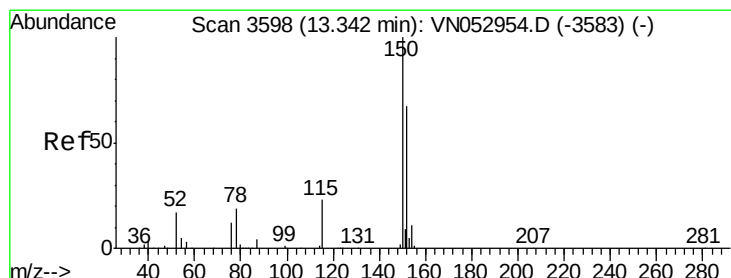
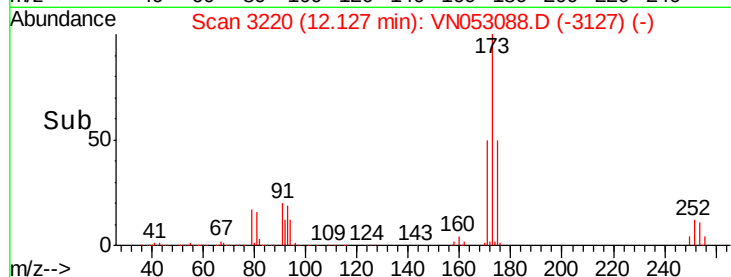
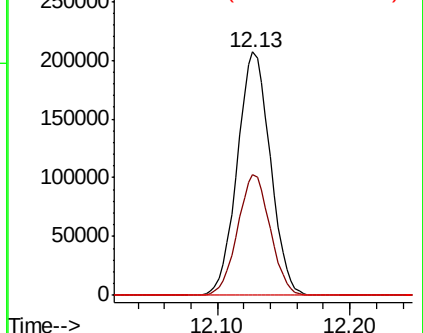
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

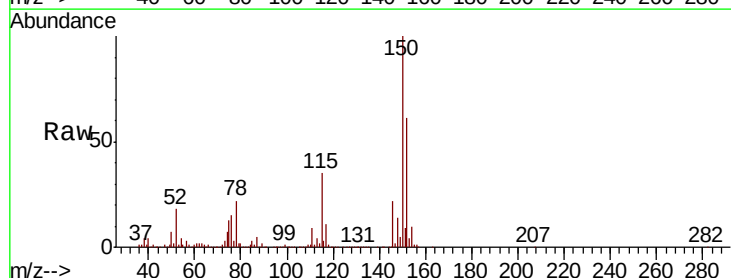
Tgt Ion:152 Resp: 632578

Ion Ratio Lower Upper

152 100

115 57.3 28.3 85.0

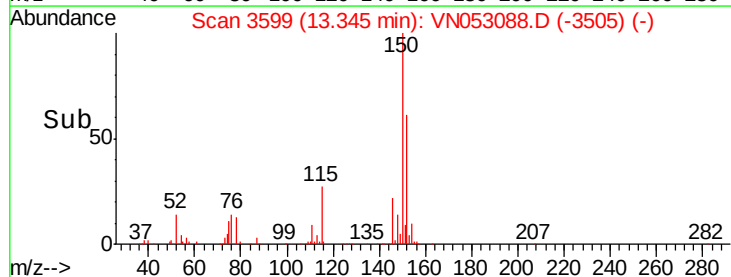
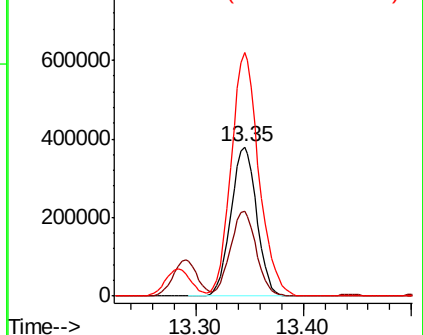
150 175.2 0.0 347.8

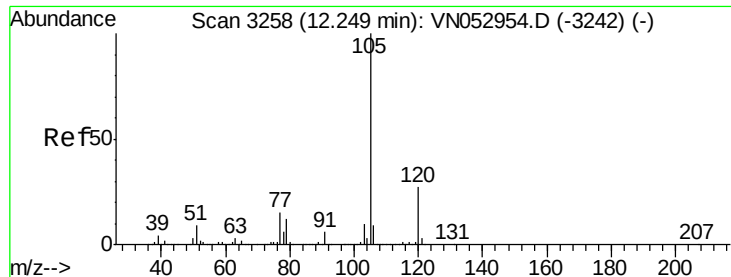


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.662 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

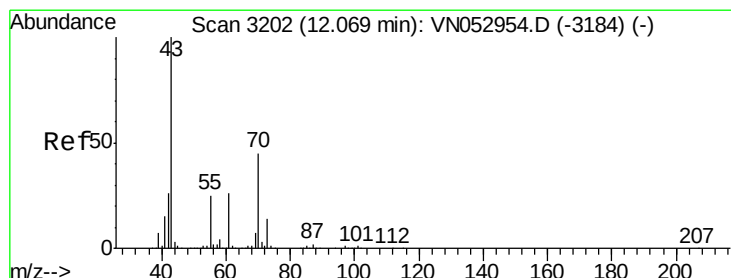
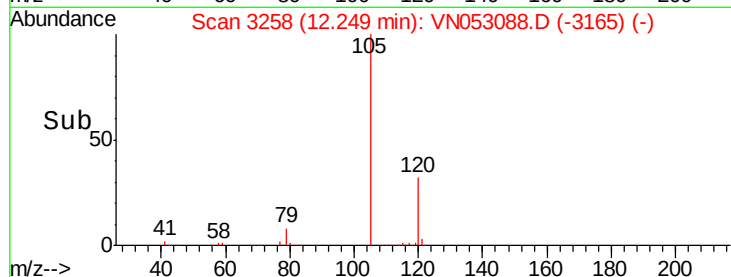
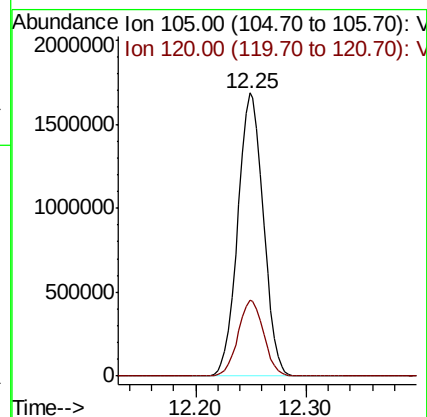
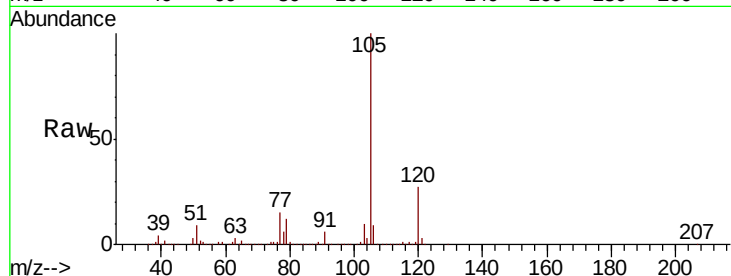
ClientSampleId :

Tot Ion:105 Resp: 2705453

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 59.456 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Tgt Ion: 43 Resp: 817003

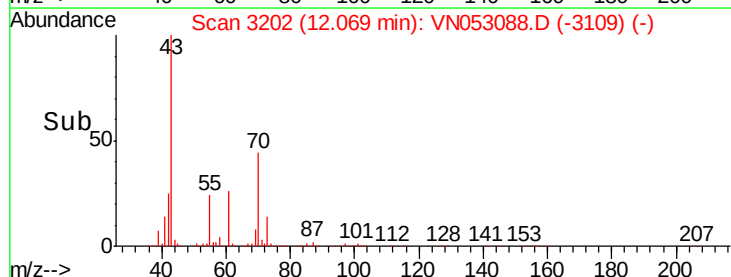
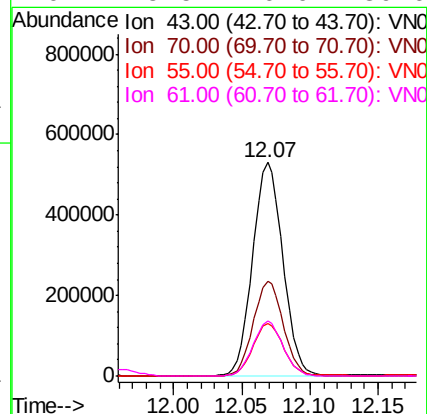
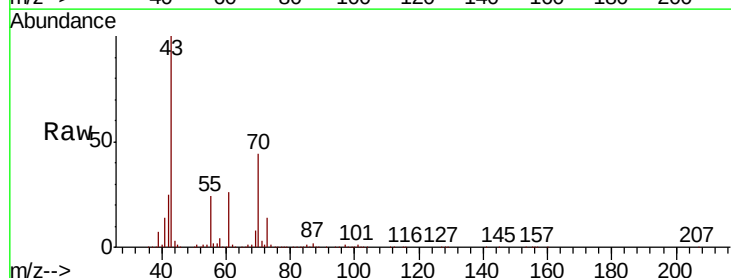
Ion Ratio Lower Upper

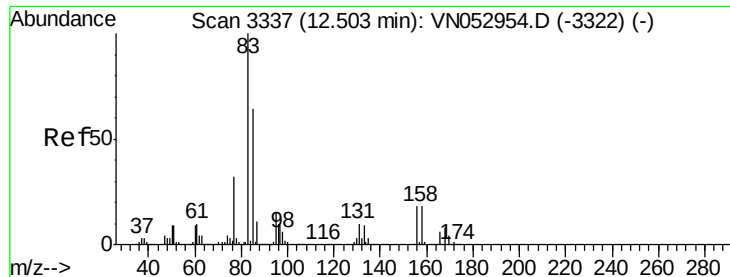
43 100

70 43.9 34.2 51.4

55 25.0 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.266 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

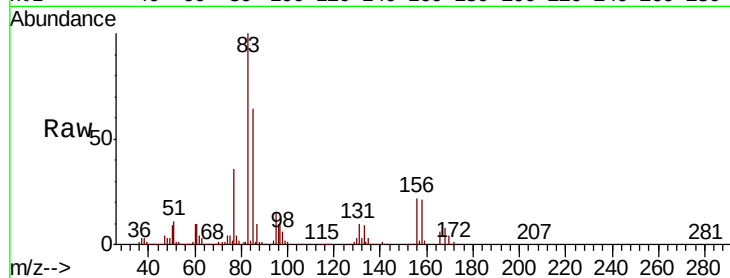
Tot Ion: 83 Resp: 546339

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

85 64.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053088.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053088.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053088.D (-3244) (-)

12.51

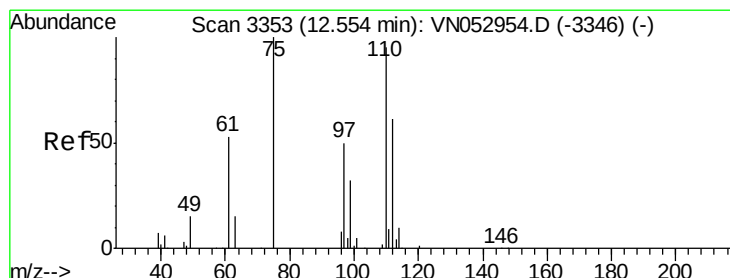
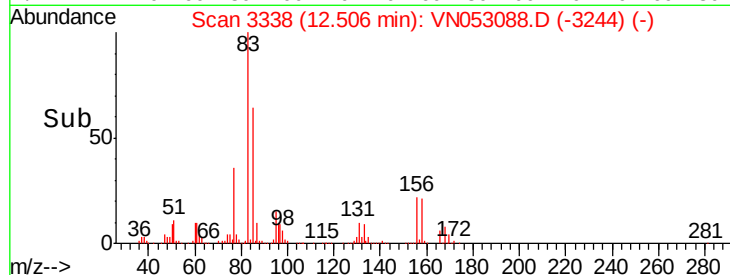
300000

200000

100000

0

Time--> 12.40 12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 65.569 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053088.D

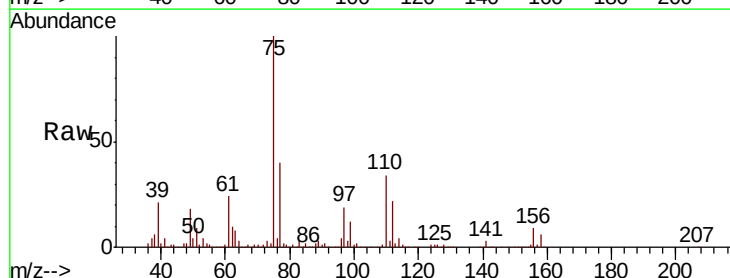
Acq: 21 Dec 2018 6:09

Tgt Ion: 75 Resp: 698232

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053088.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053088.D (-3260) (-)

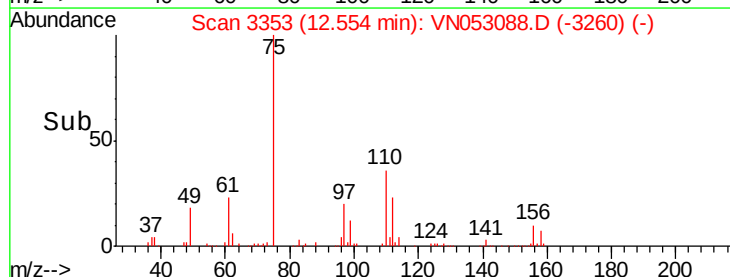
600000

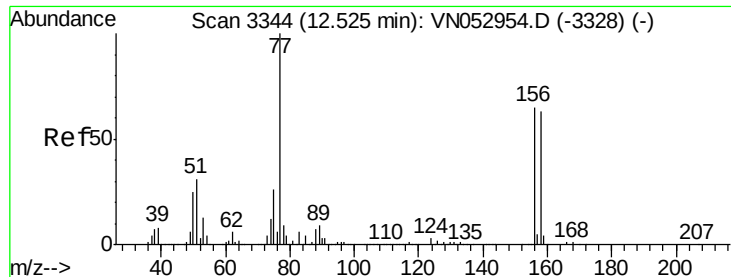
400000

200000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 53.480 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

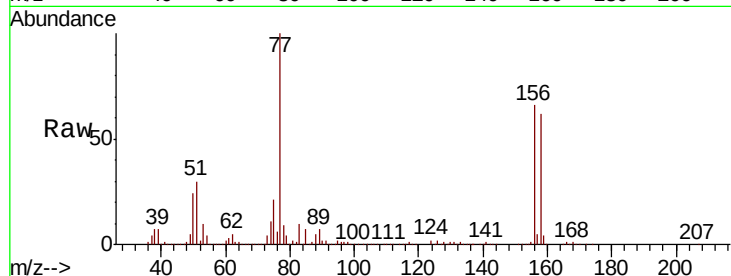
Tot Ion:156 Resp: 688054

Ion Ratio Lower Upper

156 100

77 166.1 91.3 273.8

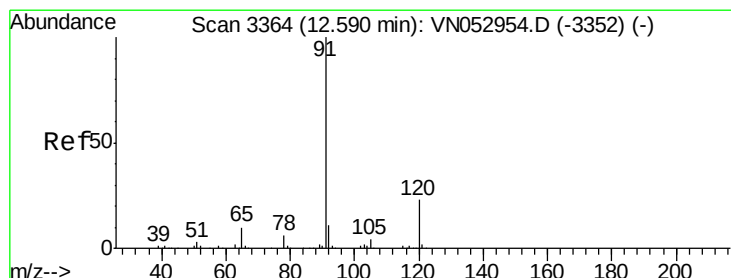
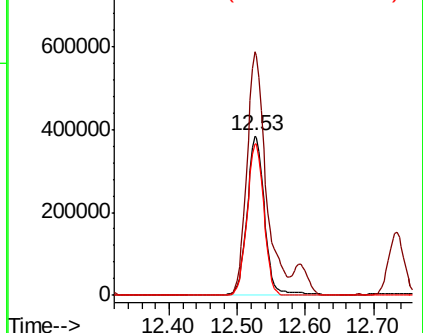
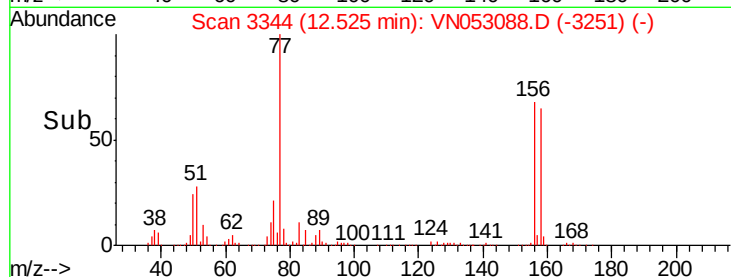
158 90.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.382 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053088.D

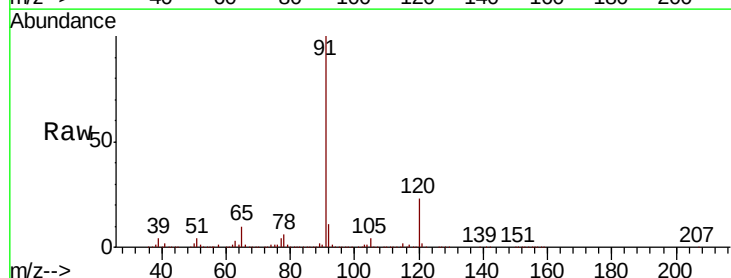
Acq: 21 Dec 2018 6:09

Tgt Ion: 91 Resp: 3121794

Ion Ratio Lower Upper

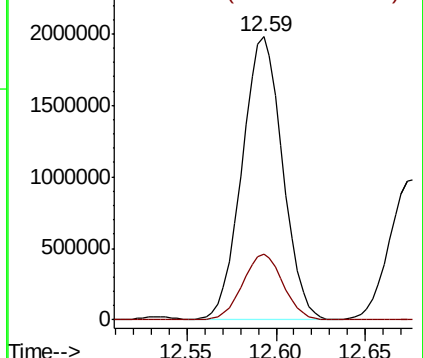
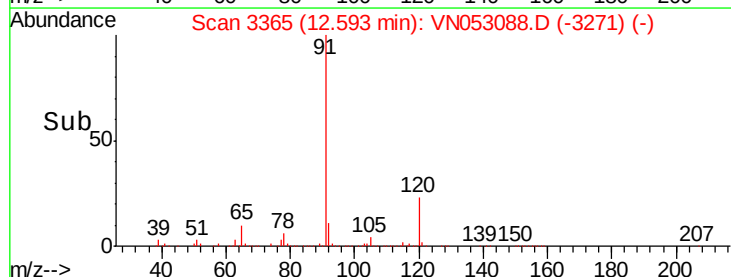
91 100

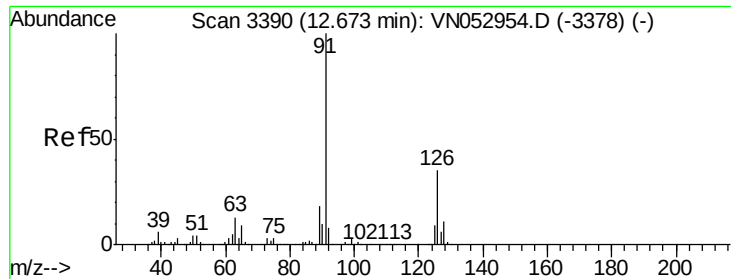
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.732 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

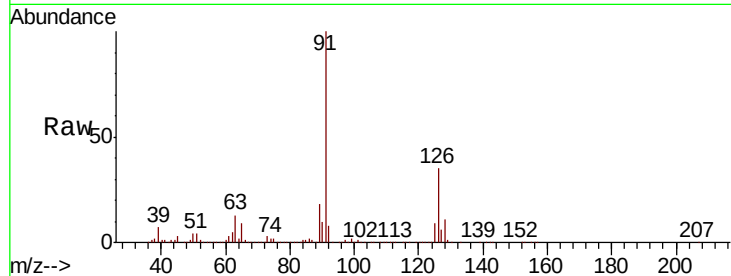
ClientSampled :

Tot Ion: 91 Resp: 1632829

Ion Ratio Lower Upper

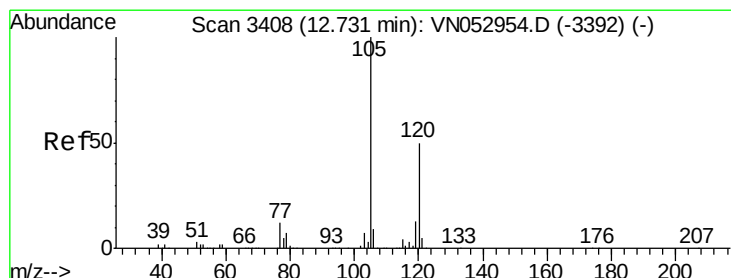
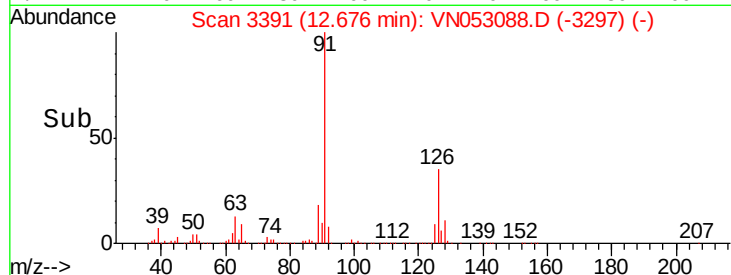
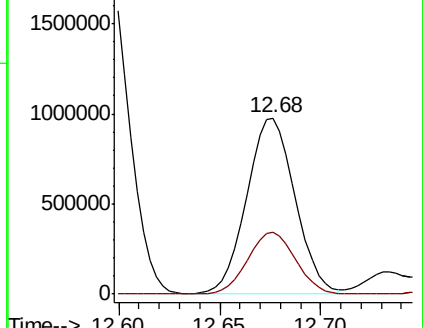
91 100

126 35.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN053088.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053088.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.043 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053088.D

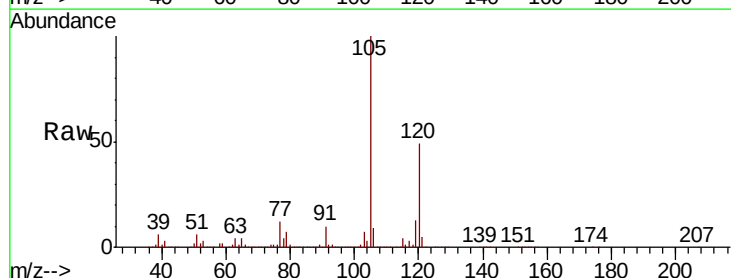
Acq: 21 Dec 2018 6:09

Tgt Ion: 105 Resp: 1978481

Ion Ratio Lower Upper

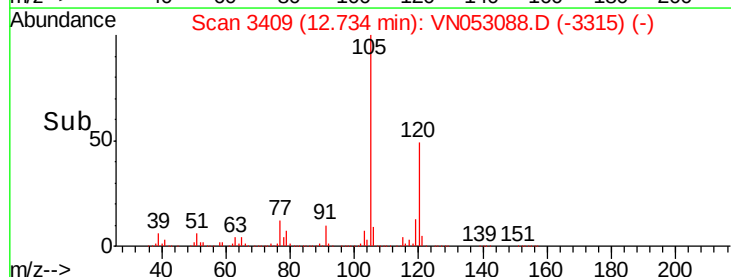
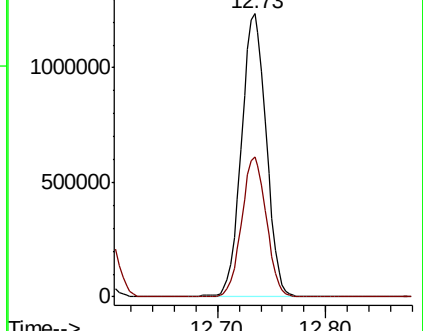
105 100

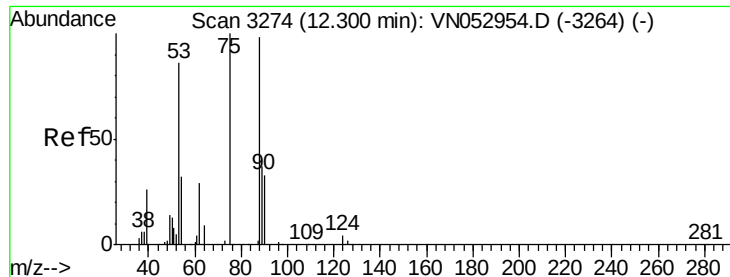
120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053088.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053088.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.096 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampleId :

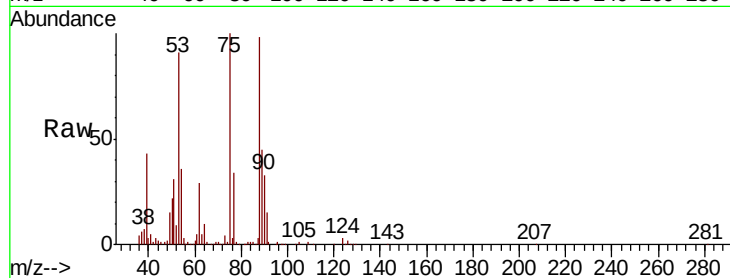
Tot Ion: 75 Resp: 142385

Ion Ratio Lower Upper

75 100

53 90.5 74.7 112.1

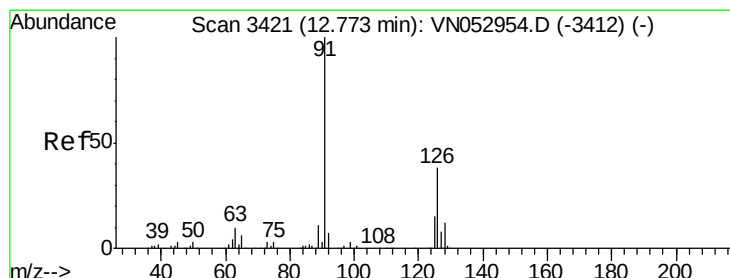
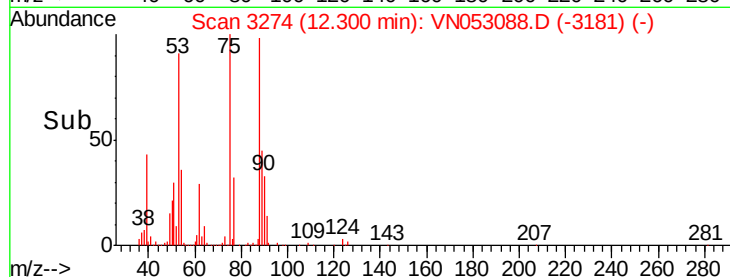
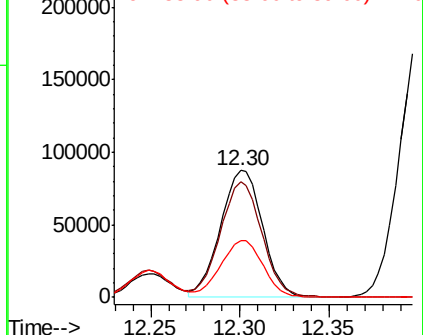
89 45.2 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.360 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053088.D

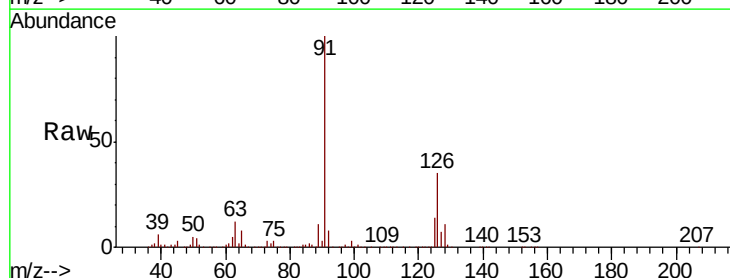
Acq: 21 Dec 2018 6:09

Tgt Ion: 91 Resp: 1688256

Ion Ratio Lower Upper

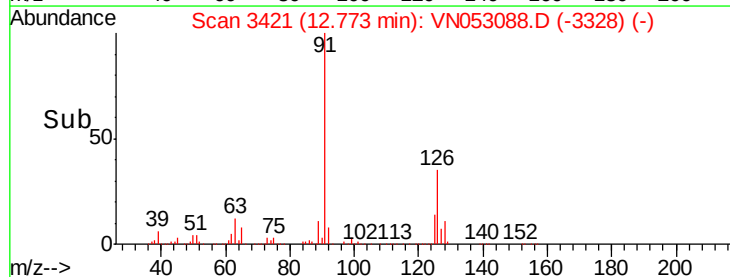
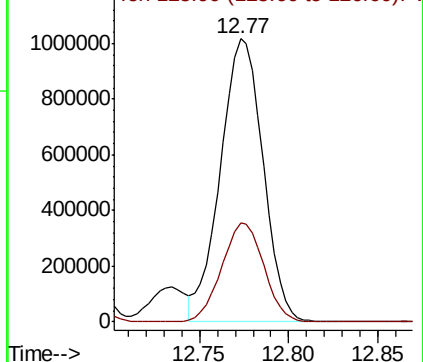
91 100

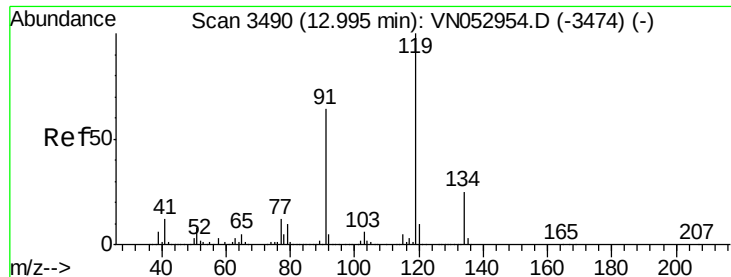
126 34.5 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

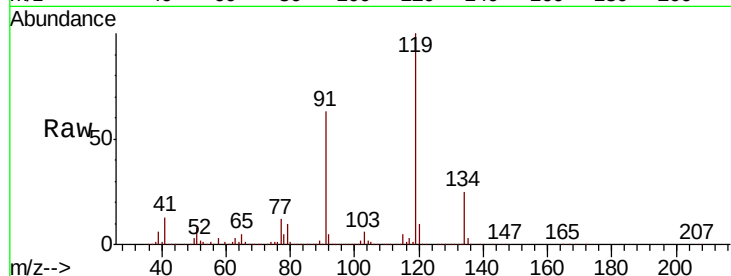




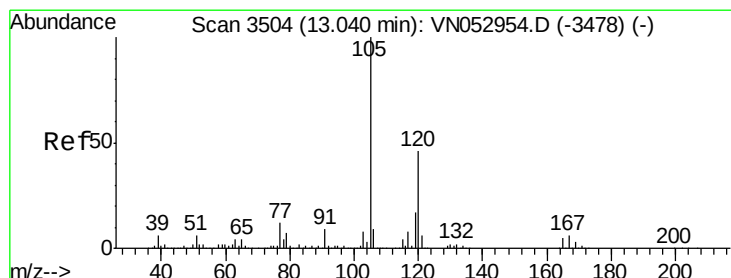
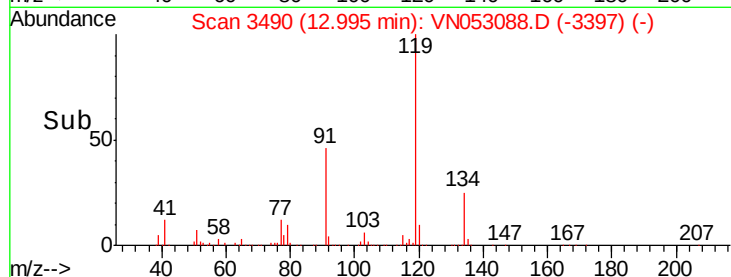
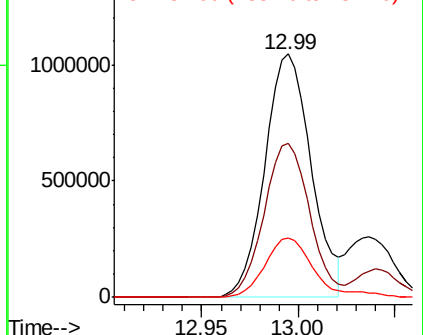
#83
 tert-Butylbenzene
 Concen: 48.881 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 1743994
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.9 95.5
 134 26.0 12.8 38.4

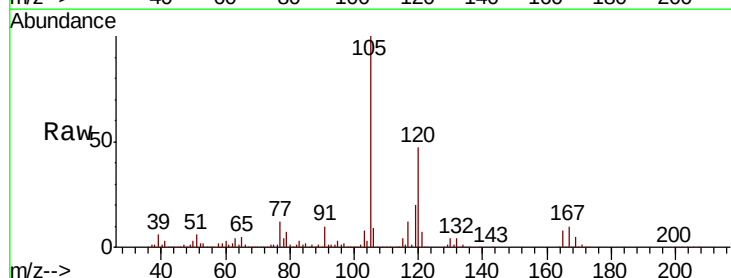


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

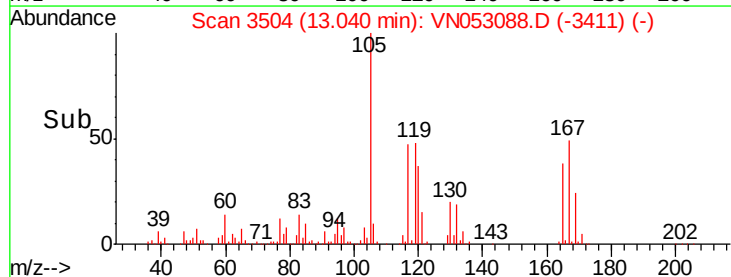
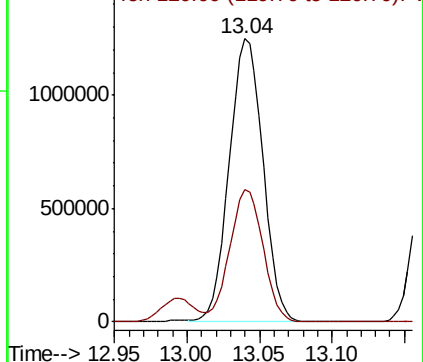


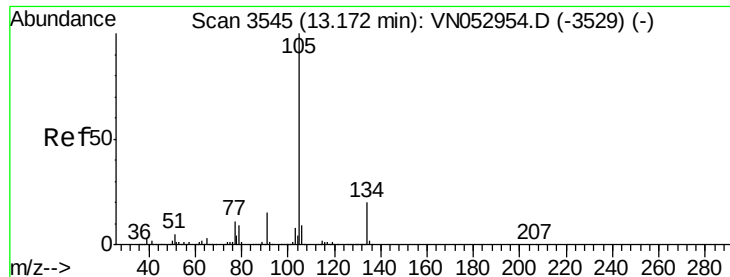
#84
 1,2,4-Trimethylbenzene
 Concen: 49.679 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion:105 Resp: 2014702
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 49.733 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

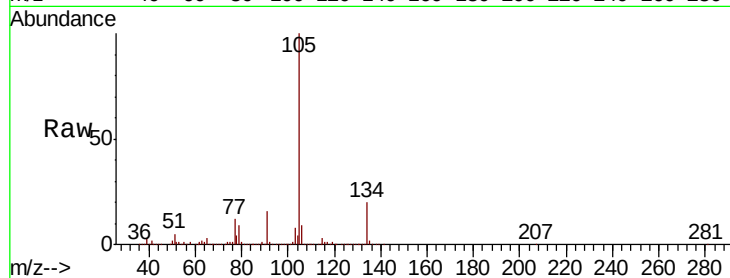
ClientSampleId :

Tot Ion:105 Resp: 2400061

Ion Ratio Lower Upper

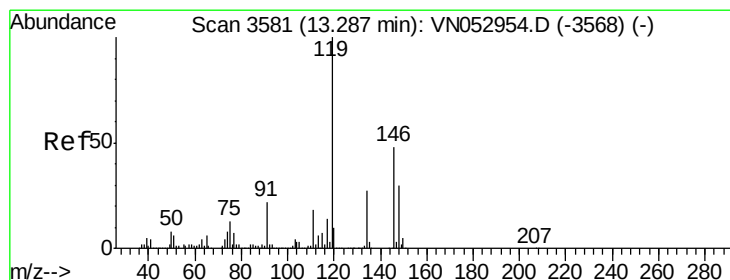
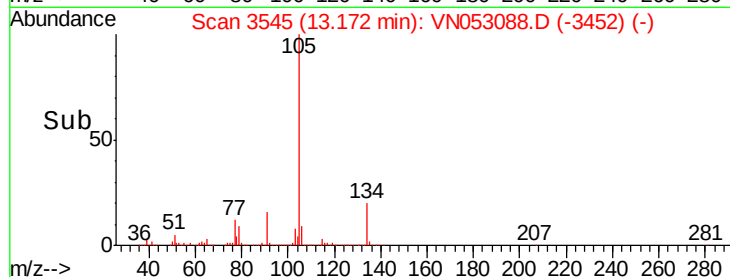
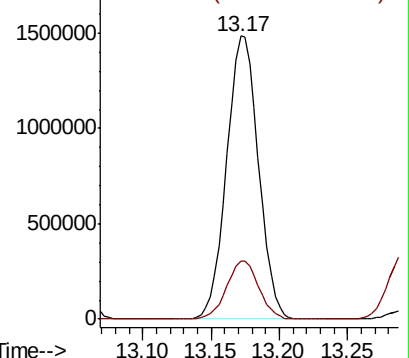
105 100

134 20.7 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.555 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

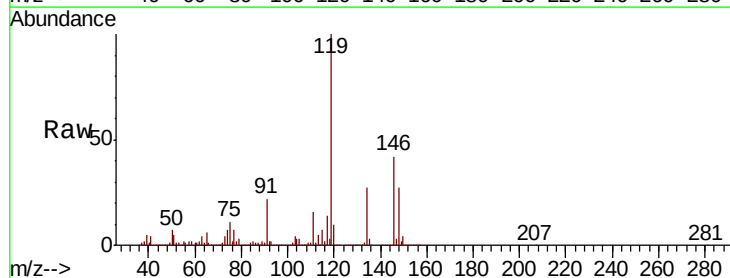
Tgt Ion:119 Resp: 1983033

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

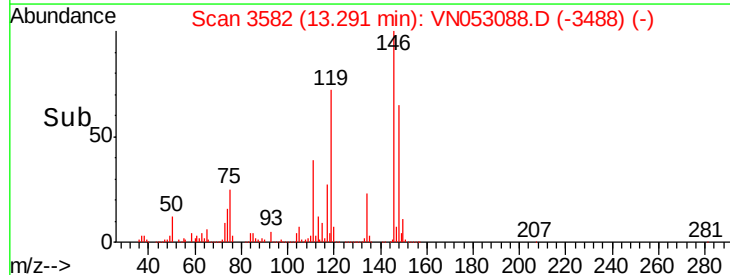
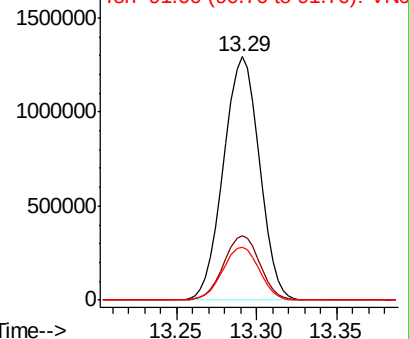
91 21.9 11.1 33.3

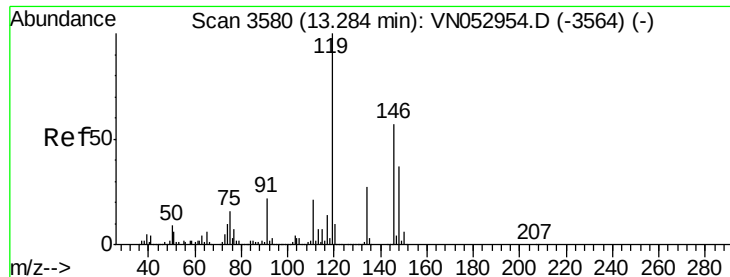


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.282 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

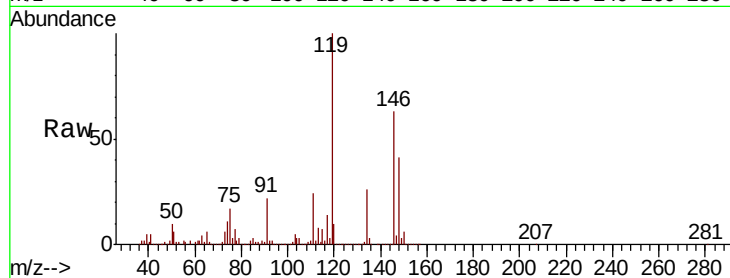
Tot Ion:146 Resp: 1099397

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.7	32.0	96.0

146 100

111 38.6 19.1 57.1

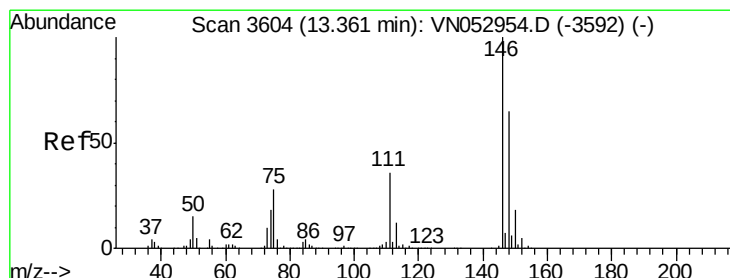
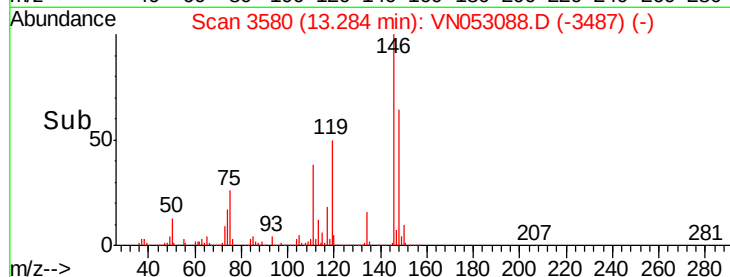
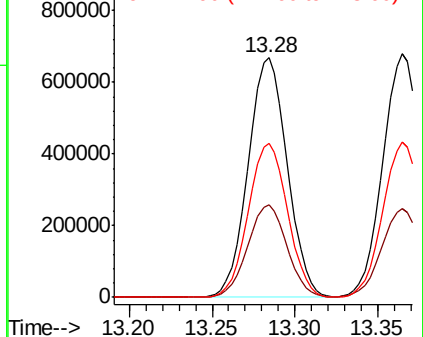
148 64.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.524 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

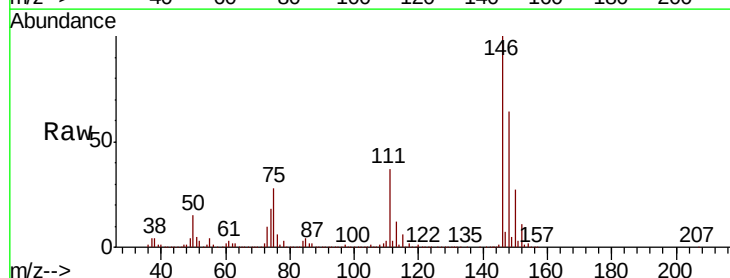
Tgt Ion:146 Resp: 1095875

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.2	32.1	96.5

146 100

111 37.1 18.6 55.8

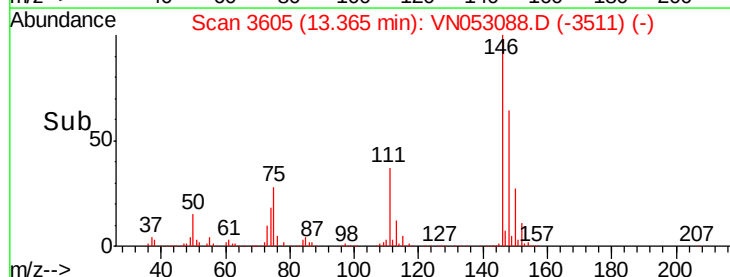
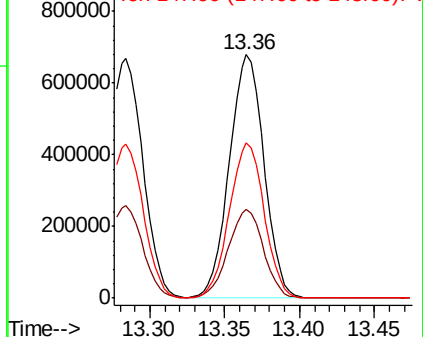
148 64.2 32.1 96.5

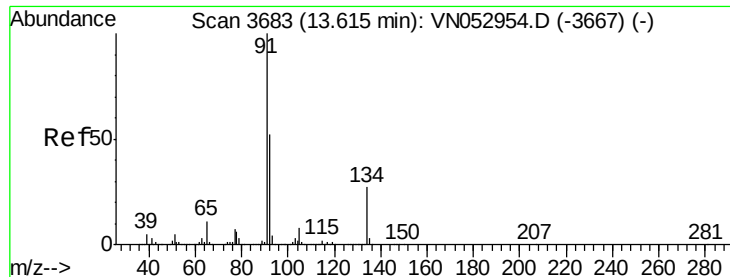


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.069 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

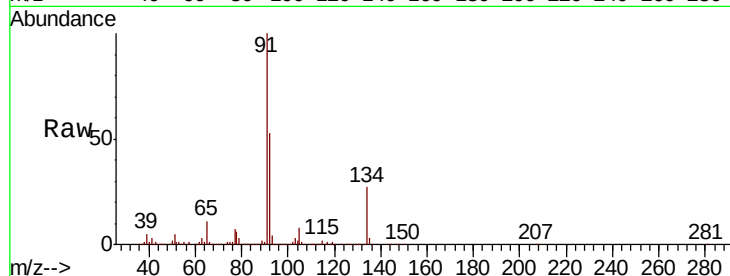
Tot Ion: 91 Resp: 1652713

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.9
134	28.0	13.3	39.8

91 100

92 53.2 26.3 78.9

134 28.0 13.3 39.8

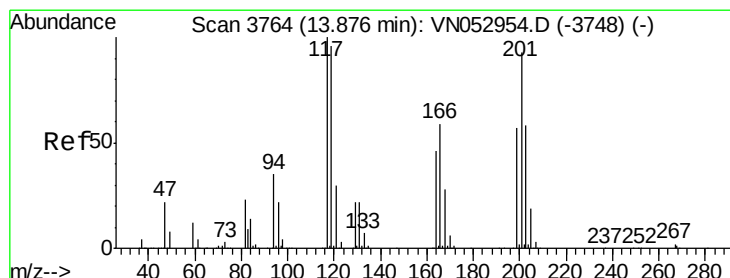
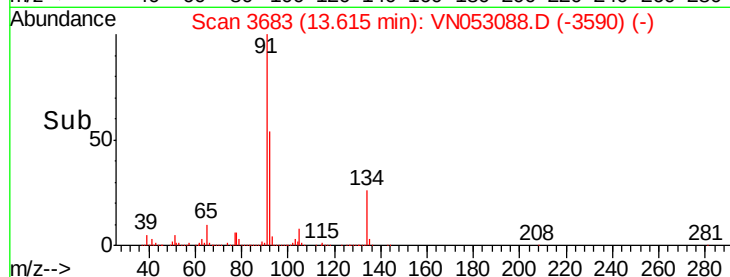
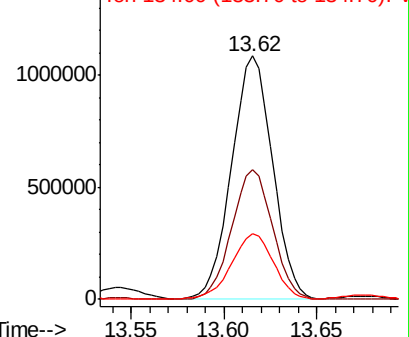


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 53.640 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053088.D

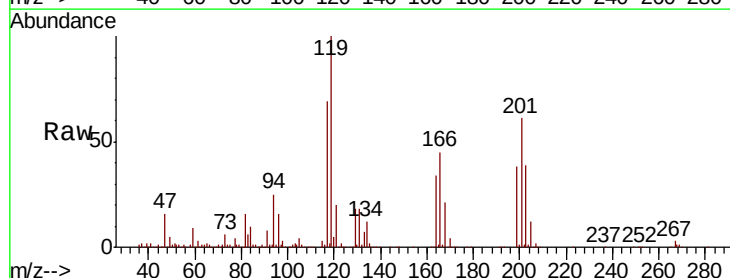
Acq: 21 Dec 2018 6:09

Tgt Ion: 117 Resp: 343251

Ion	Ratio	Lower	Upper
117	100		
201	83.8	45.7	137.1

117 100

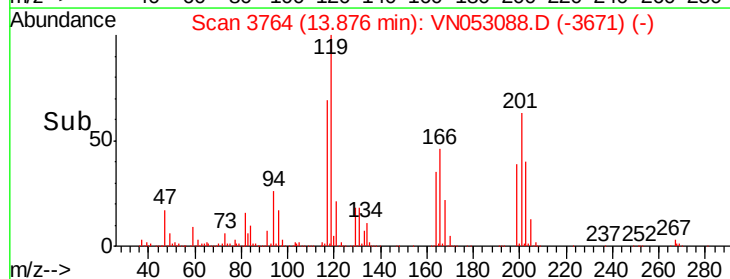
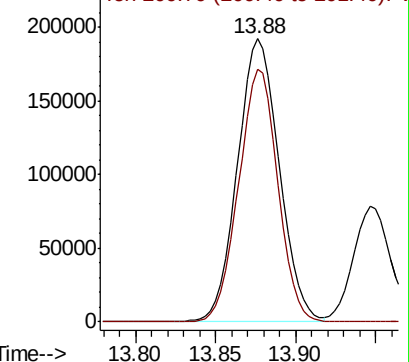
201 83.8 45.7 137.1

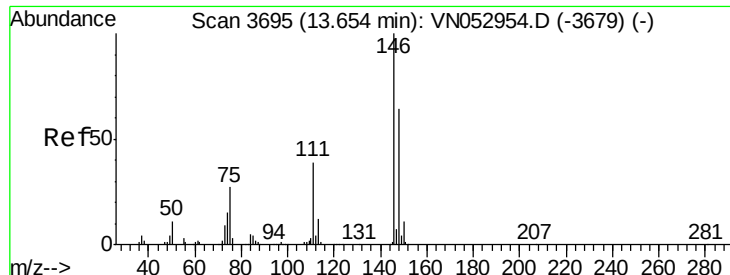


Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

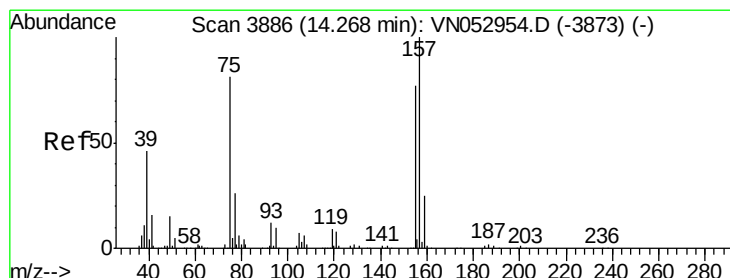
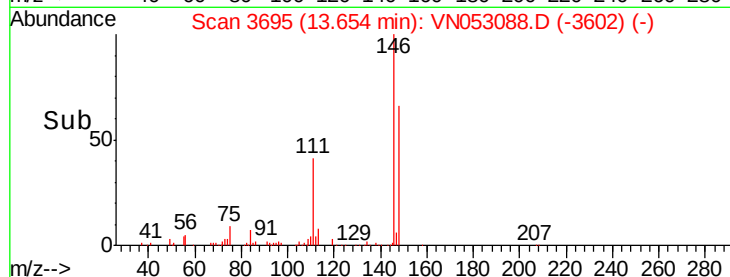
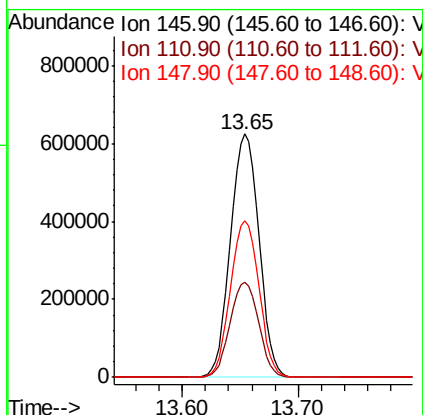
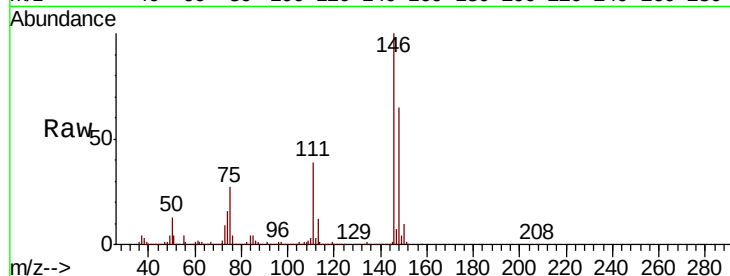




#91
 1,2-Dichlorobenzene
 Concen: 49.380 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

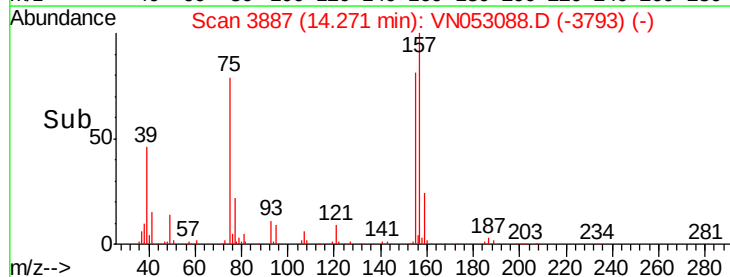
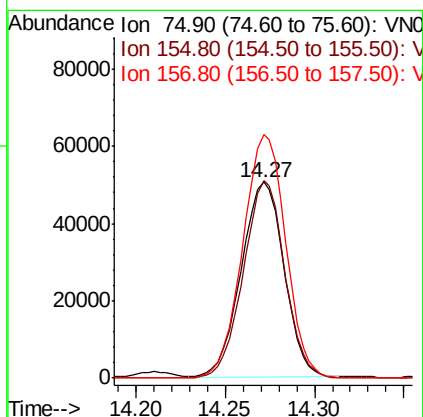
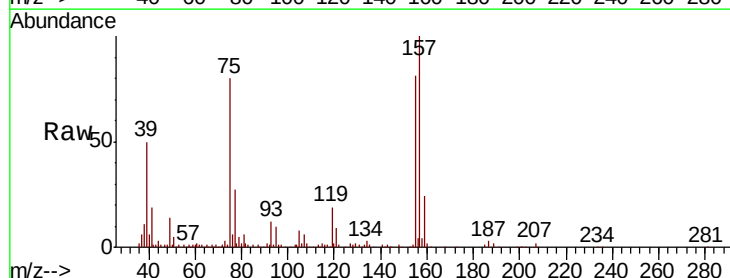
Instrument :
 MSVOA_N
 ClientSampleId :

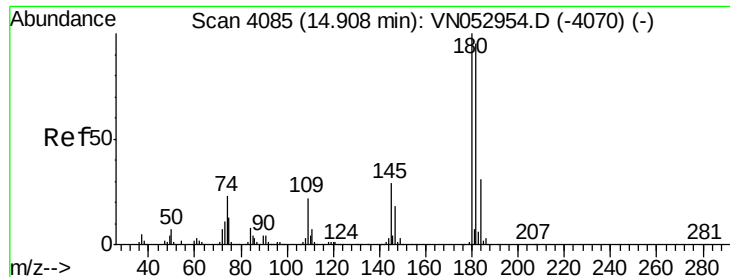
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.3	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.459 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.2	144.6
157	125.0	61.2	183.5

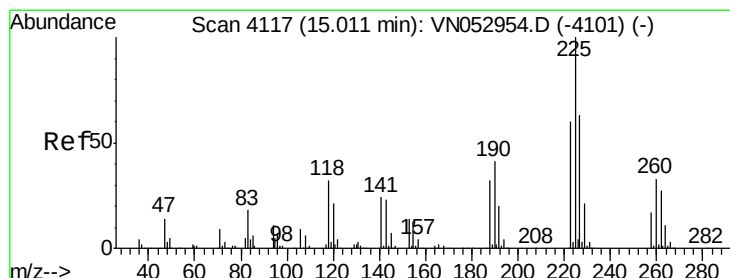
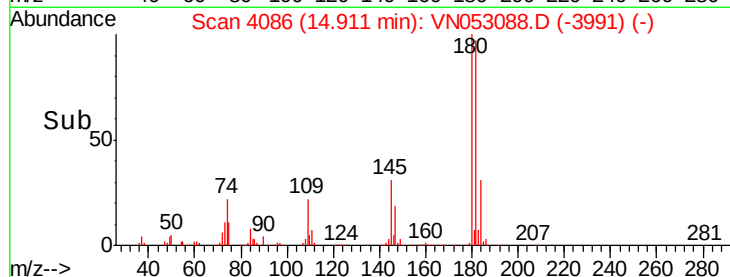
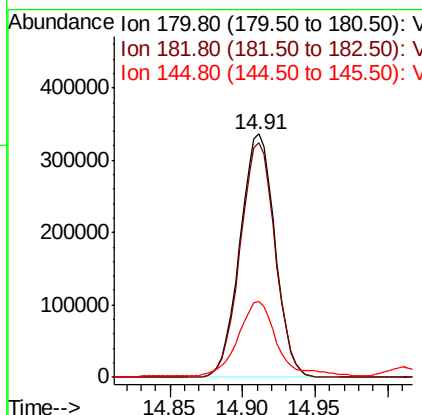
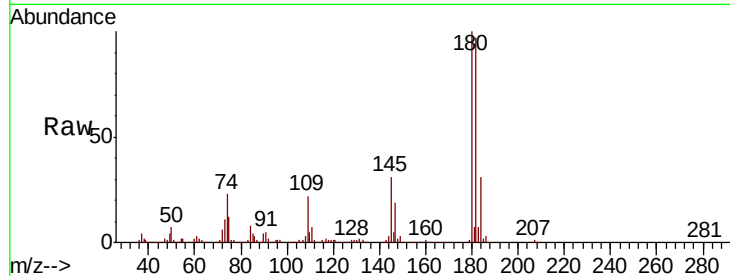




#93
 1,2,4-Trichlorobenzene
 Concen: 49.665 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

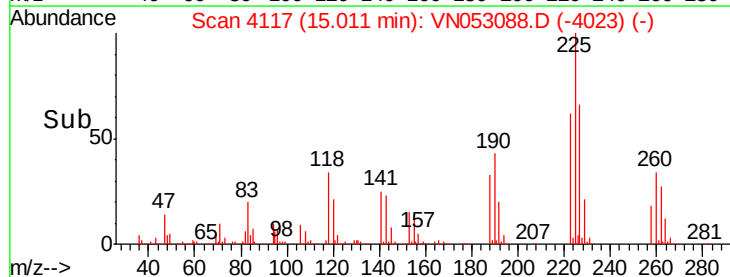
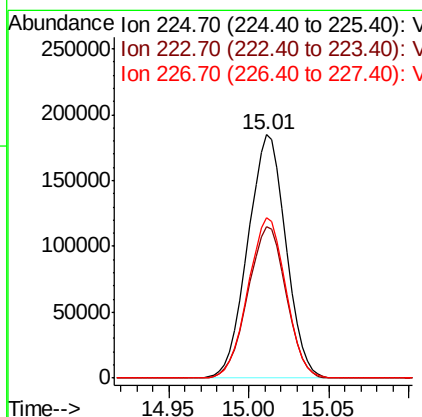
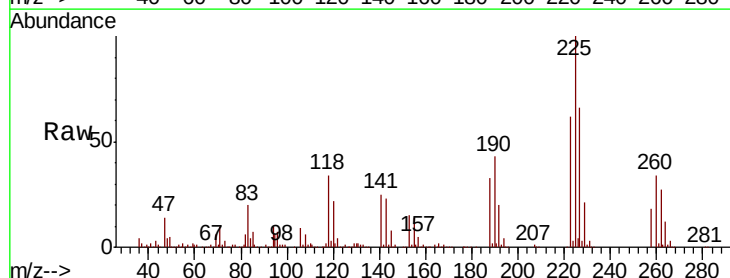
Instrument :
 MSVOA_N
 ClientSampled :

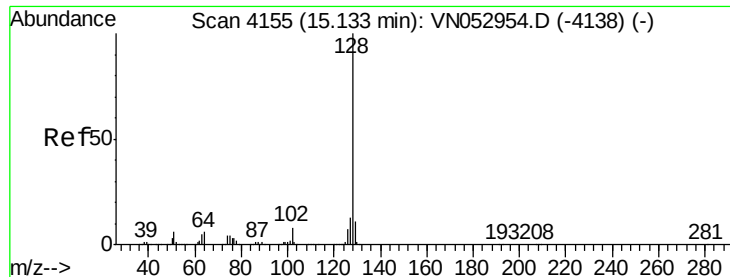
Tot Ion:180 Resp: 563843
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 36.0 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 51.198 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053088.D
 Acq: 21 Dec 2018 6:09

Tgt Ion:225 Resp: 300579
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.5 94.5
 227 65.5 31.9 95.7





#95

Naphthalene

Concen: 60.485 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

Instrument :

MSVOA_N

ClientSampled :

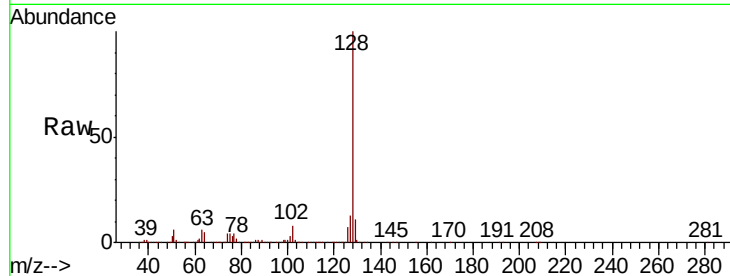
Tot Ion:128 Resp: 1510479

Ion Ratio Lower Upper

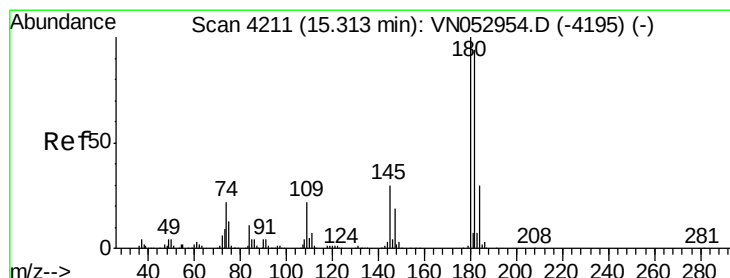
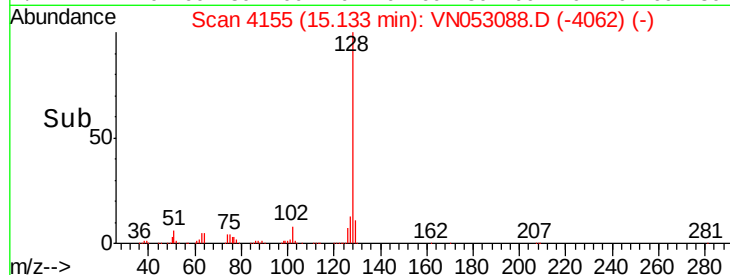
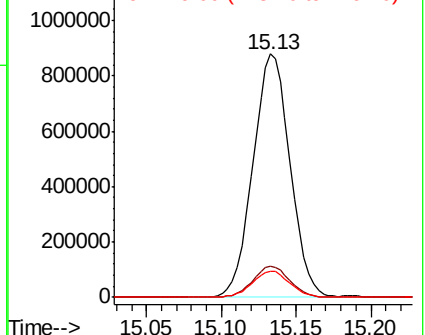
128 100

127 12.6 10.2 15.4

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.024 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053088.D

Acq: 21 Dec 2018 6:09

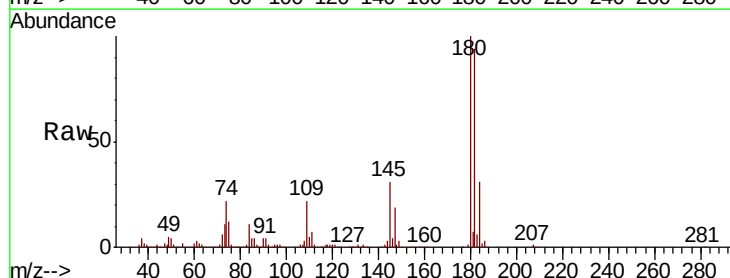
Tgt Ion:180 Resp: 511461

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 34.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

