

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059692.D
 Acq On : 13 Jan 2020 15:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Jan 14 08:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	308726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	320100	111.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.88%	
35) Dibromofluoromethane	7.56	113	269031	139.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.54%	
50) Toluene-d8	10.08	98	1033912	135.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.38%	
62) 4-Bromofluorobenzene	12.40	95	384268	137.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	334695	131.213	ug/l	99
3) Chloromethane	2.04	50	322214	79.601	ug/l	99
4) Vinyl Chloride	2.17	62	391826	102.075	ug/l	97
5) Bromomethane	2.51	94	232678	104.268	ug/l	99
6) Chloroethane	2.67	64	181858	84.296	ug/l	98
7) Trichlorofluoromethane	3.00	101	447540	106.262	ug/l	99
8) Diethyl Ether	3.38	74	157375	119.592	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.73	101	249348	117.482	ug/l	92
10) Methyl Iodide	3.93	142	418668	149.002	ug/l	95
11) Tert butyl alcohol	4.73	59	259149	492.106	ug/l	99
12) 1,1-Dichloroethene	3.71	96	255921	123.606	ug/l	89
13) Acrolein	3.57	56	186749	497.833	ug/l	98
14) Allyl chloride	4.29	41	360101	84.722	ug/l #	87
15) Acrylonitrile	4.94	53	633926	497.663	ug/l	99
16) Acetone	3.78	43	527709	309.435	ug/l	97
17) Carbon Disulfide	4.03	76	744242	104.683	ug/l	100
18) Methyl Acetate	4.28	43	371171	103.867	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	839253	114.803	ug/l	96
20) Methylene Chloride	4.52	84	284066	115.333	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	273577	118.528	ug/l	90
22) Diisopropyl ether	5.91	45	800228	102.124	ug/l	97
23) Vinyl Acetate	5.86	43	3130786	509.125	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	476658	107.386	ug/l	97
25) 2-Butanone	6.80	43	845836	414.762	ug/l	93
26) 2,2-Dichloropropane	6.80	77	445286	110.378	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	314546	122.983	ug/l	88
28) Bromochloromethane	7.17	49	198106	130.152	ug/l #	76
29) Tetrahydrofuran	7.18	42	544353	438.101	ug/l	89
30) Chloroform	7.35	83	498776	114.158	ug/l	99
31) Cyclohexane	7.63	56	431515	102.887	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	461776	117.231	ug/l	95
36) 1,1-Dichloropropene	7.77	75	382484	118.800	ug/l	96
37) Ethyl Acetate	6.90	43	351366	93.898	ug/l	97
38) Carbon Tetrachloride	7.75	117	414684	124.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	468410	128.264	ug/l	93
40) Benzene	8.02	78	1117397	118.761	ug/l	99
41) Methacrylonitrile	7.15	41	185271m	119.970	ug/l	
42) 1,2-Dichloroethane	8.10	62	387503	107.543	ug/l	97
43) Isopropyl Acetate	8.14	43	608866	104.656	ug/l #	95
44) Trichloroethene	8.82	130	316667	128.493	ug/l	95
45) 1,2-Dichloropropane	9.10	63	282401	111.149	ug/l	100
46) Dibromomethane	9.19	93	200016	120.162	ug/l	91
47) Bromodichloromethane	9.39	83	408631	123.129	ug/l	99
48) Methyl methacrylate	9.18	41	280865	106.408	ug/l	90
49) 1,4-Dioxane	9.18	88	104530	2763.449	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	1754216	505.727	ug/l	95
52) Toluene	10.14	92	726929	125.742	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	467446	121.789	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	488649	121.117	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	282349	124.464	ug/l	98
56) Ethyl methacrylate	10.42	69	452866	134.473	ug/l	92
57) 1,3-Dichloropropane	10.70	76	461243	116.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	768556	717.561	ug/l	91
59) 2-Hexanone	10.74	43	1331281	486.972	ug/l	94
60) Dibromochloromethane	10.89	129	335969	135.696	ug/l	99
61) 1,2-Dibromoethane	10.99	107	308189	128.098	ug/l	99
64) Tetrachloroethene	10.62	164	294646	112.364	ug/l	97
65) Chlorobenzene	11.43	112	787193	129.333	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	303310	131.195	ug/l	99
67) Ethyl Benzene	11.50	91	1406296	128.002	ug/l	97
68) m/p-Xylenes	11.62	106	1082055	266.715	ug/l	92
69) o-Xylene	11.94	106	521217	135.022	ug/l	95
70) Styrene	11.96	104	914343	147.422	ug/l	97
71) Bromoform	12.12	173	263153	151.425	ug/l #	98
73) Isopropylbenzene	12.25	105	1394061	124.461	ug/l	99
74) N-amyl acetate	12.06	43	567290	110.413	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	412555	116.113	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	339455m	96.102	ug/l	
77) Bromobenzene	12.52	156	359511	130.515	ug/l	84
78) n-propylbenzene	12.59	91	1609065	121.528	ug/l	97
79) 2-Chlorotoluene	12.67	91	935654	116.866	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1189624	125.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	161329	112.808	ug/l	93
82) 4-Chlorotoluene	12.77	91	981452	119.727	ug/l	96
83) tert-Butylbenzene	12.99	119	1015637	126.525	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1203361	127.676	ug/l	98
85) sec-Butylbenzene	13.17	105	1358611	127.237	ug/l	98
86) p-Isopropyltoluene	13.28	119	1267532	131.067	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	648172	127.967	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	651368	127.549	ug/l	97
89) n-Butylbenzene	13.61	91	1137124	125.416	ug/l	98
90) Hexachloroethane	13.87	117	242411	132.609	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	622295	124.577	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91519	87.481	ug/l	79

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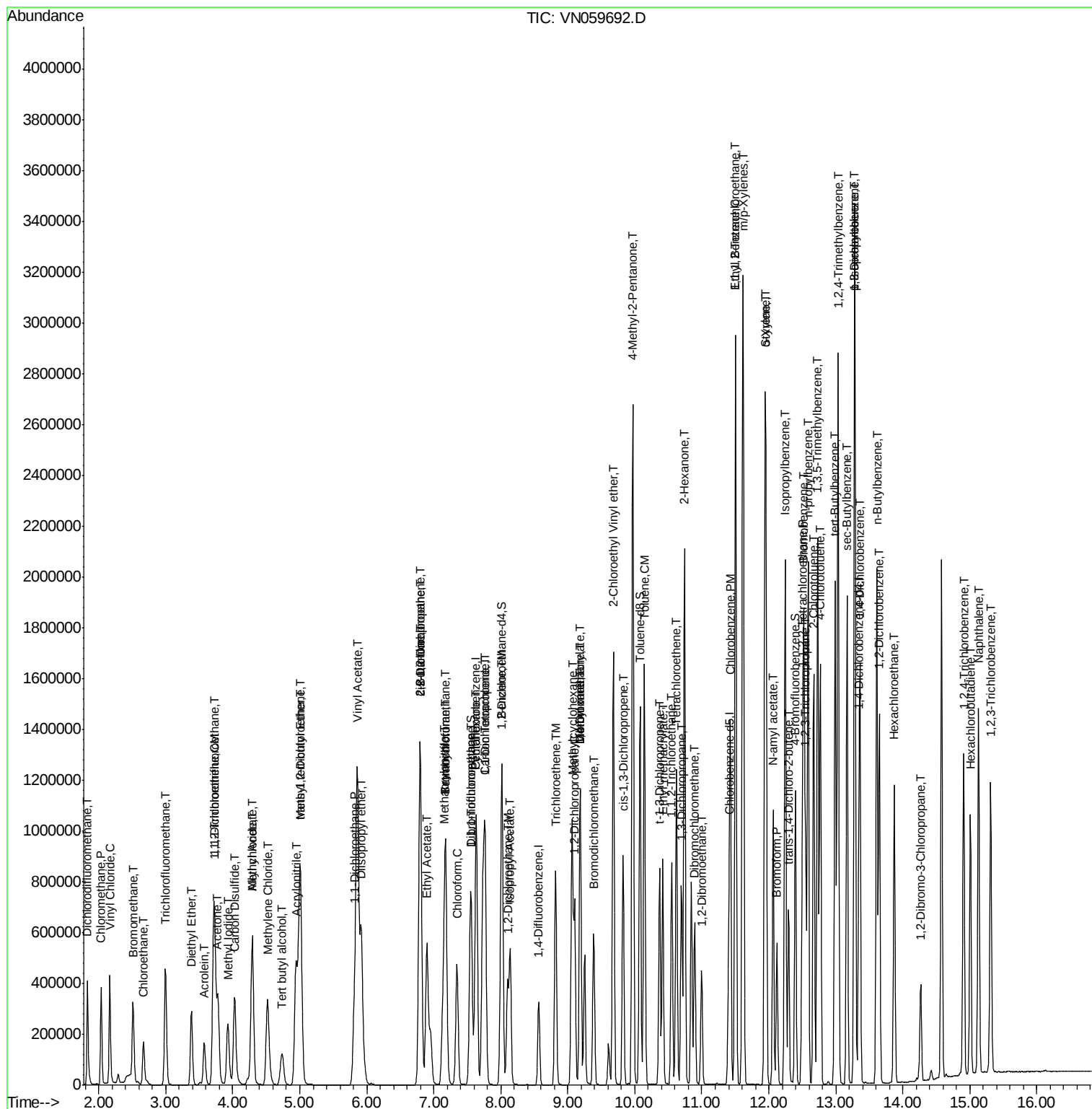
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	418750	129.819	ug/l	98
94) Hexachlorobutadiene	15.01	225	201285	116.527	ug/l	100
95) Naphthalene	15.13	128	1223485	127.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	403835	123.783	ug/l	99

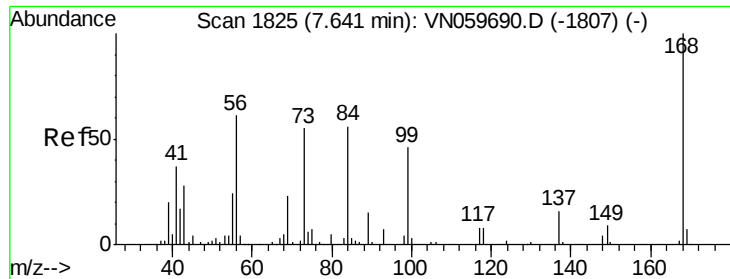
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

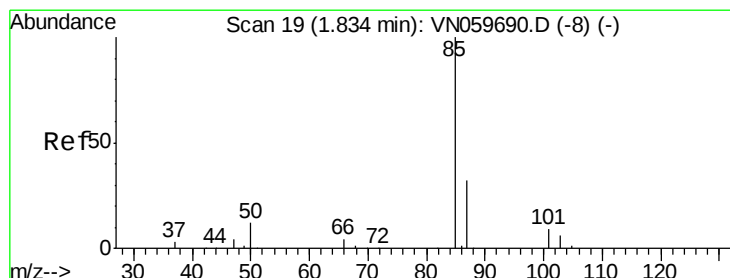
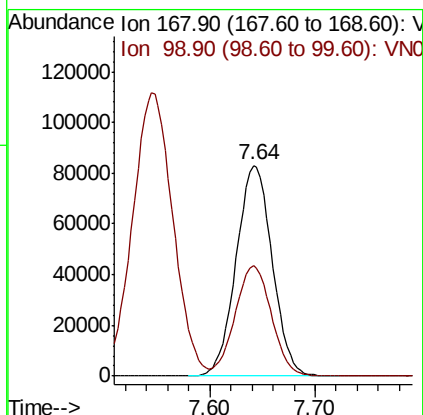
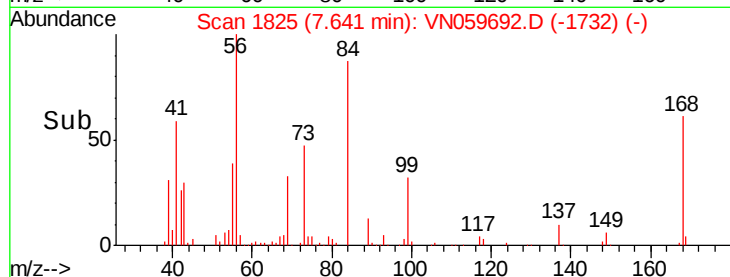
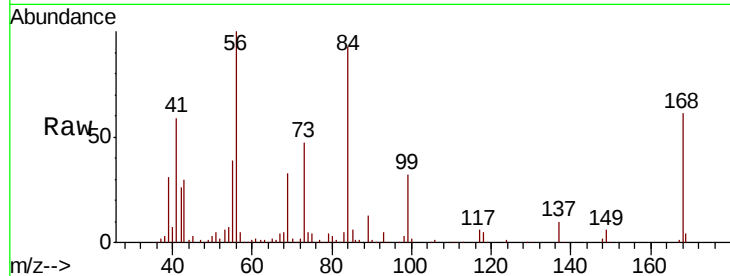
BFB

Tot Ion:168 Resp: 197399

Ion Ratio Lower Upper

168 100

99 52.3 48.2 72.4



#2

Dichlorodifluoromethane

Concen: 131.213 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059692.D

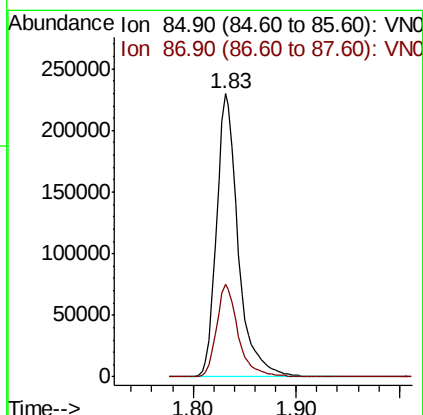
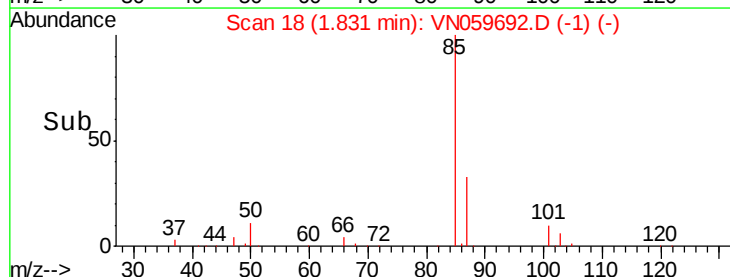
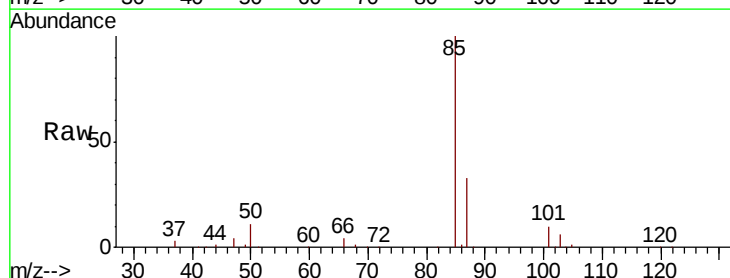
Acq: 13 Jan 2020 15:40

Tgt Ion: 85 Resp: 334695

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7





#3

Chloromethane

Concen: 79.601 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

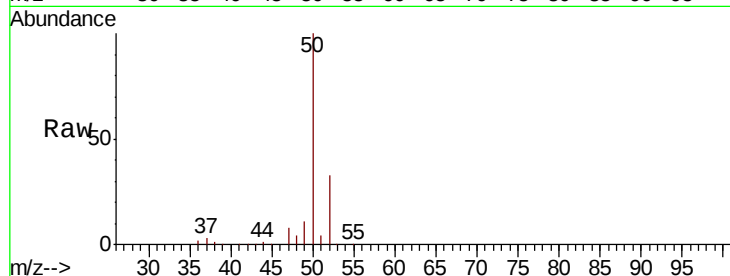
BFB

Tot Ion: 50 Resp: 322214

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

250000

200000

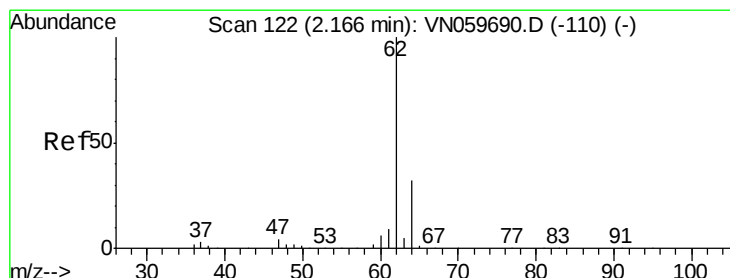
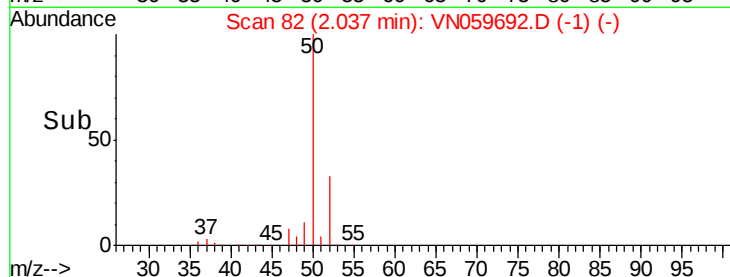
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 102.075 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059692.D

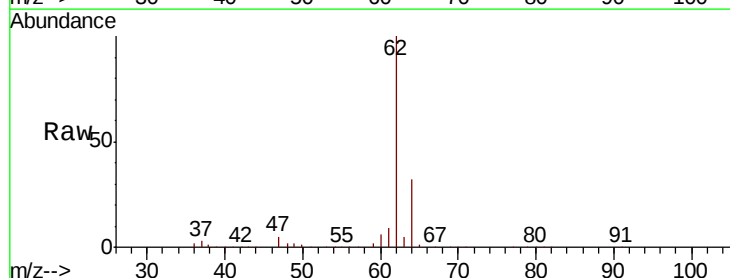
Acq: 13 Jan 2020 15:40

Tgt Ion: 62 Resp: 391826

Ion Ratio Lower Upper

62 100

64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

300000

250000

200000

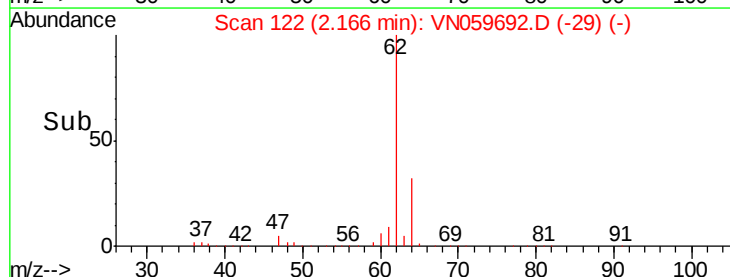
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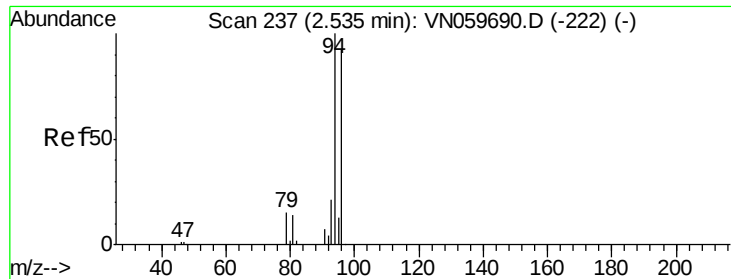
100000

50000

0

Time--> 2.10 2.20 2.30





#5

Bromomethane

Concen: 104.268 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.02 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

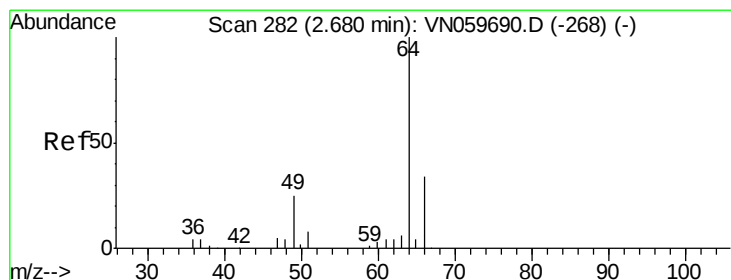
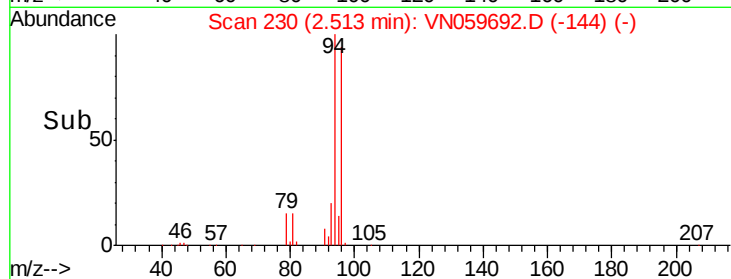
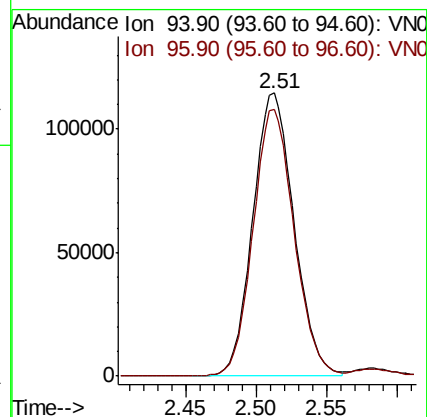
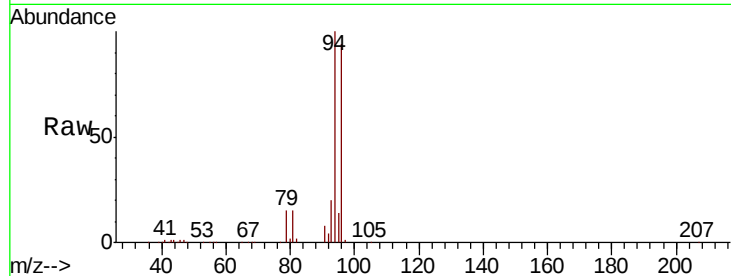
BFB

Tot Ion: 94 Resp: 232678

Ion Ratio Lower Upper

94 100

96 94.3 74.7 112.1



#6

Chloroethane

Concen: 84.296 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059692.D

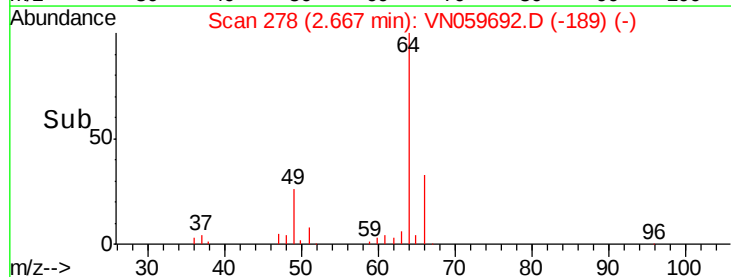
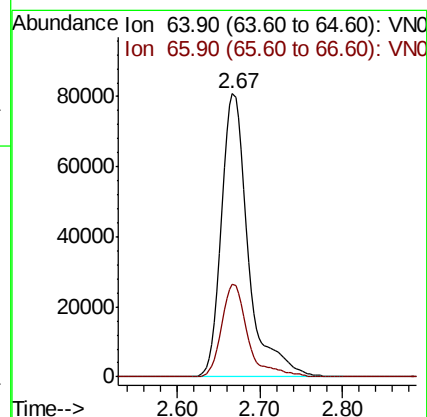
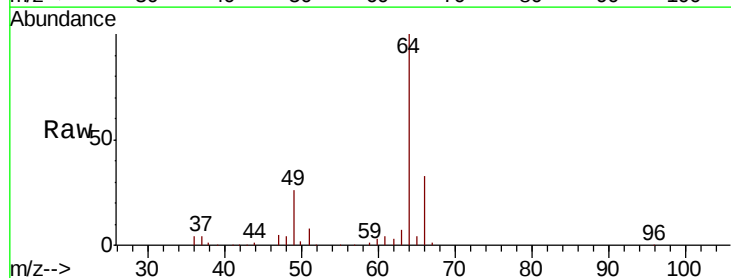
Acq: 13 Jan 2020 15:40

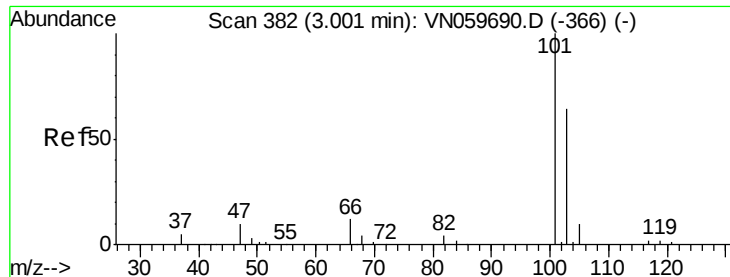
Tgt Ion: 64 Resp: 181858

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7



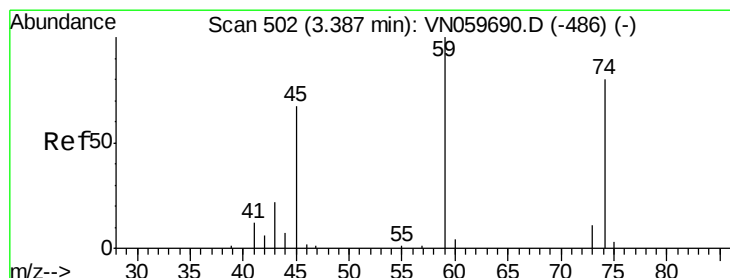
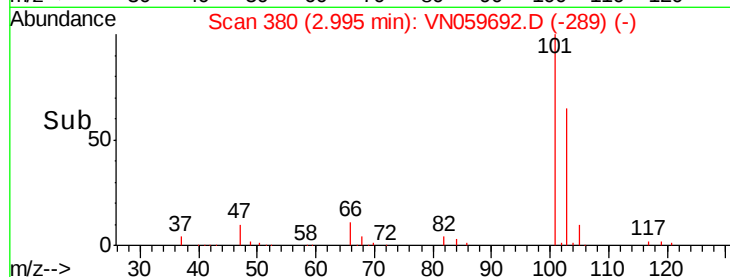
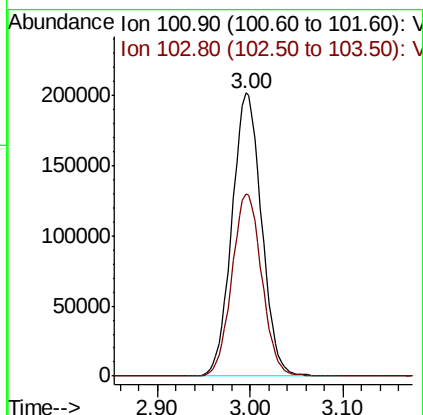
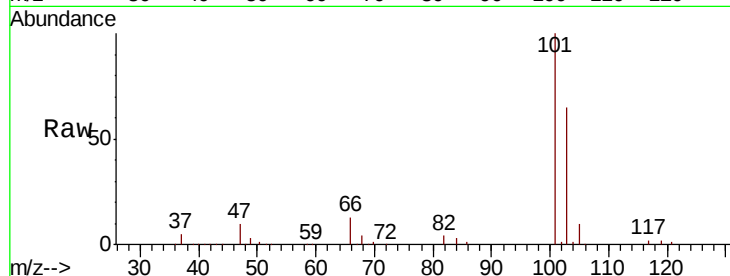


#7

Trichlorofluoromethane
 Concen: 106.262 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

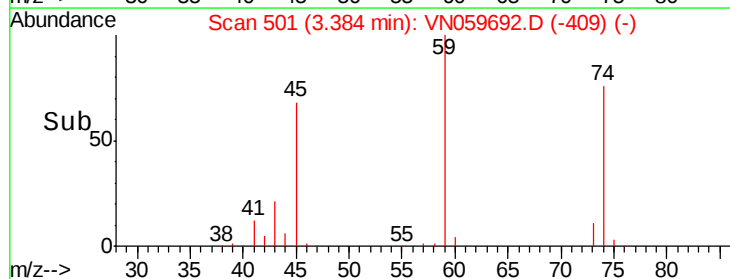
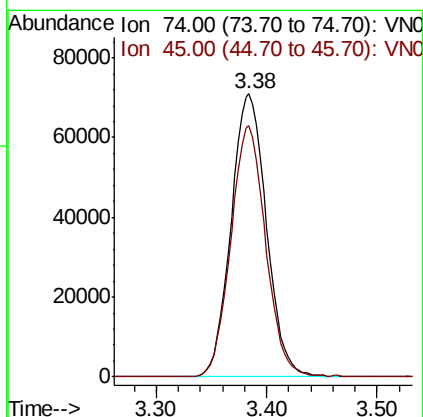
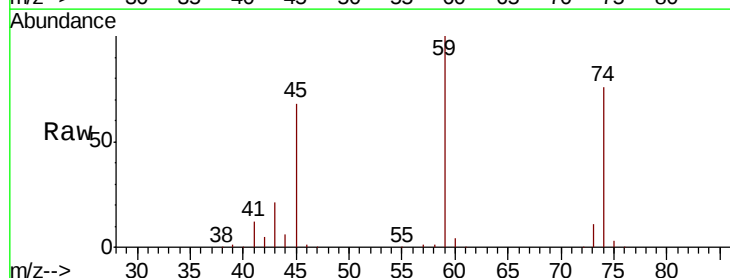
Tot Ion:101 Resp: 447540
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.0 76.6



#8

Diethyl Ether
 Concen: 119.592 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion: 74 Resp: 157375
 Ion Ratio Lower Upper
 74 100
 45 87.5 51.9 155.8

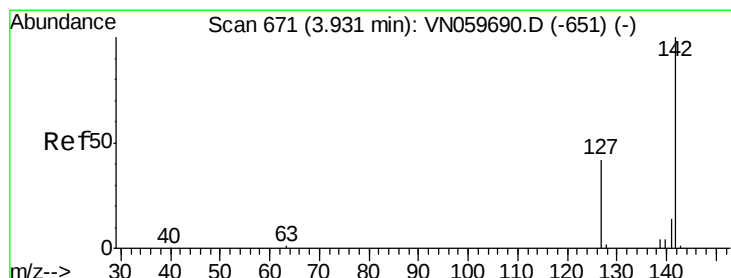
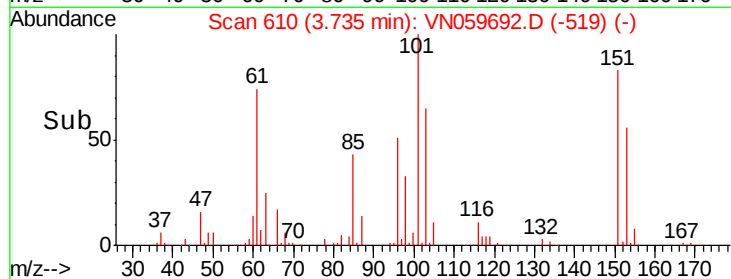
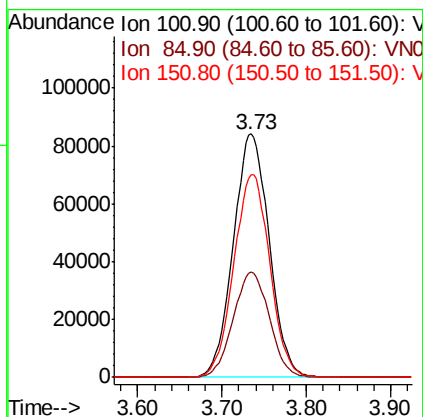
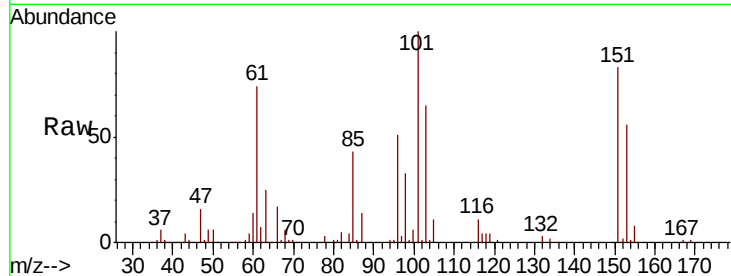




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 117.482 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
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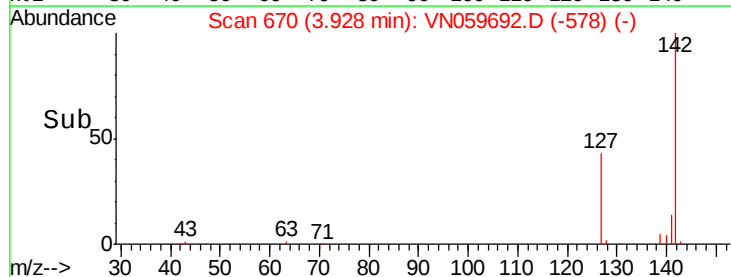
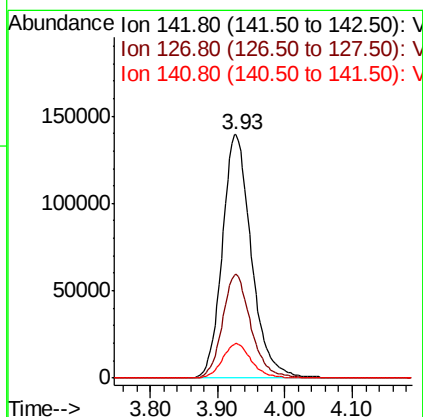
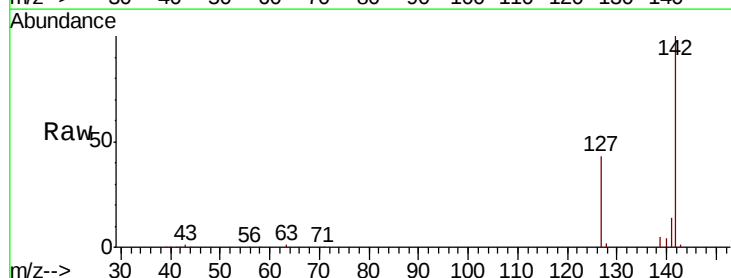
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

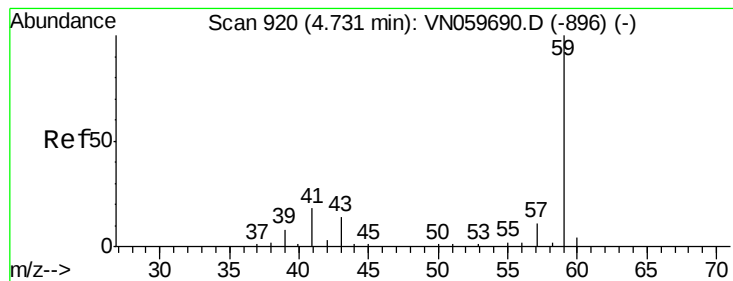
Tot Ion:101 Resp: 249348
 Ion Ratio Lower Upper
 101 100
 85 43.6 36.6 54.8
 151 83.6 59.7 89.5



#10
 Methyl Iodide
 Concen: 149.002 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion:142 Resp: 418668
 Ion Ratio Lower Upper
 142 100
 127 42.0 36.7 55.1
 141 14.1 11.7 17.5



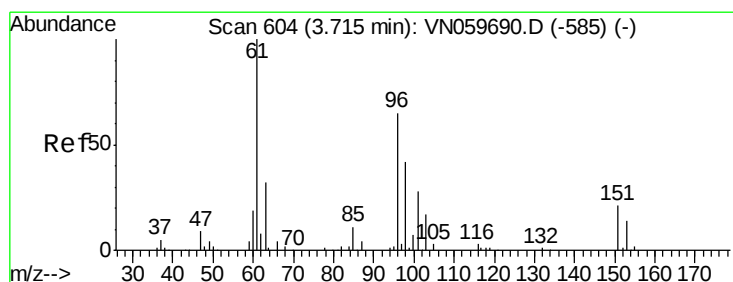
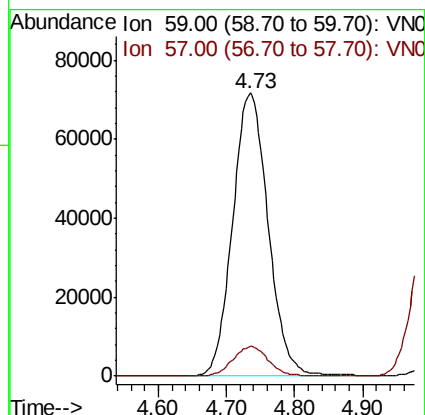
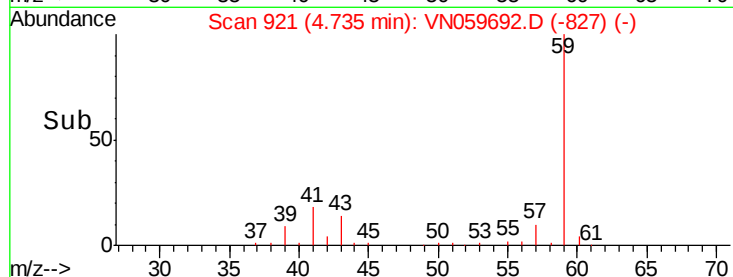
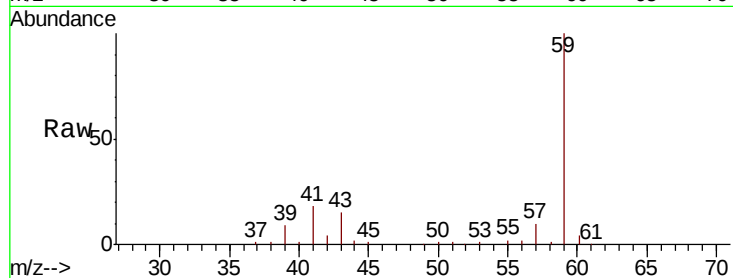


#11

Tert butyl alcohol
Concen: 492.106 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
BFB

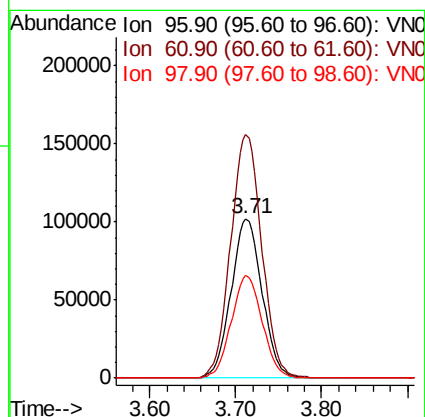
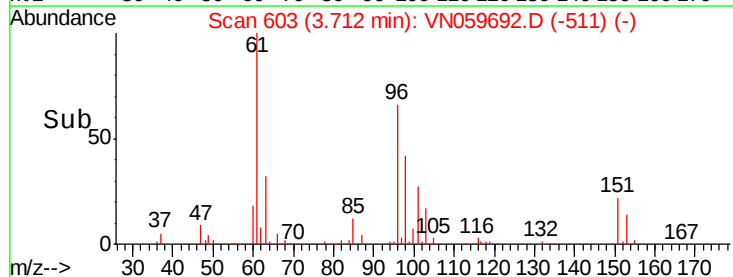
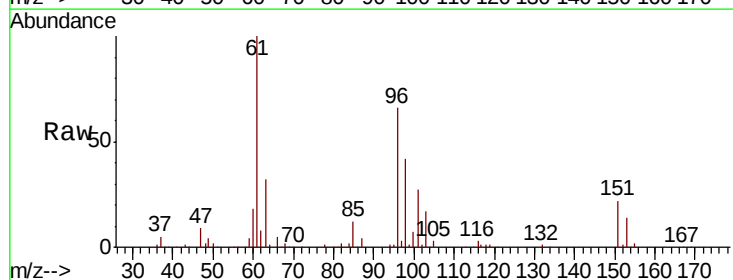
Tot Ion: 59 Resp: 259149
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

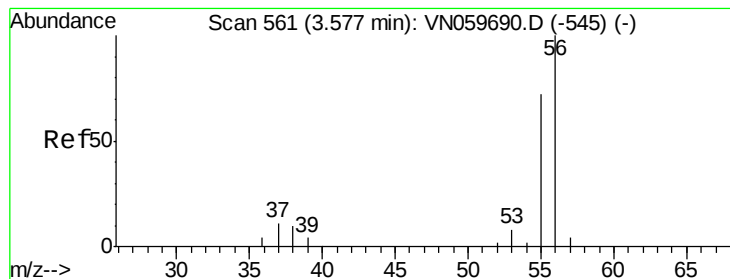


#12

1,1-Dichloroethene
Concen: 123.606 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 96 Resp: 255921
Ion Ratio Lower Upper
96 100
61 152.6 137.5 206.3
98 64.0 50.2 75.4





#13

Acrolein

Concen: 497.833 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

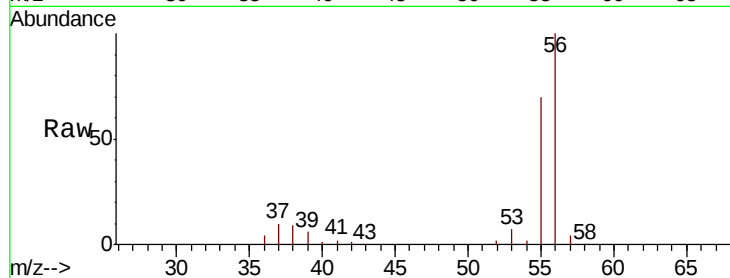
BFB

Tot Ion: 56 Resp: 186749

Ion Ratio Lower Upper

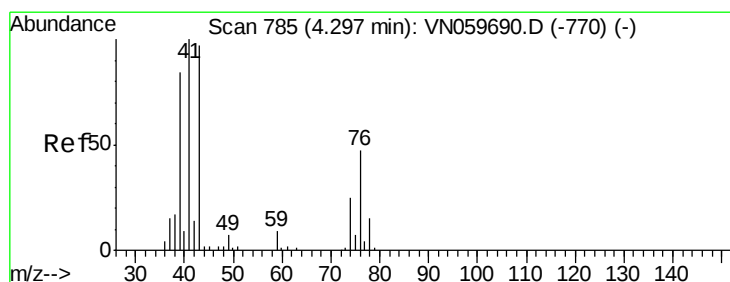
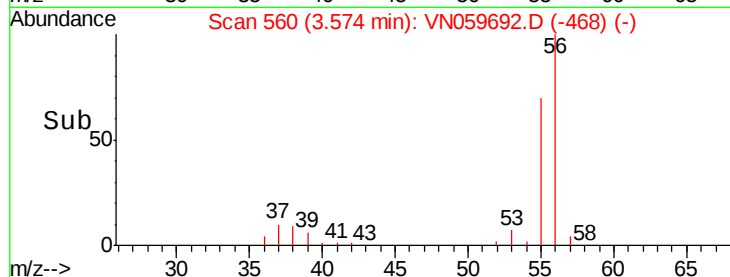
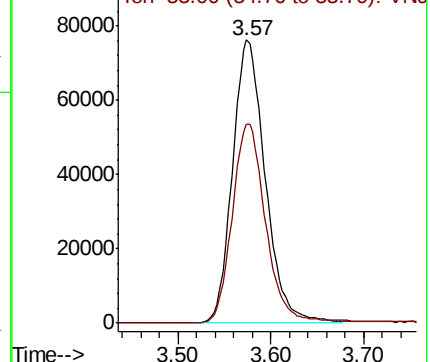
56 100

55 71.6 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 84.722 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

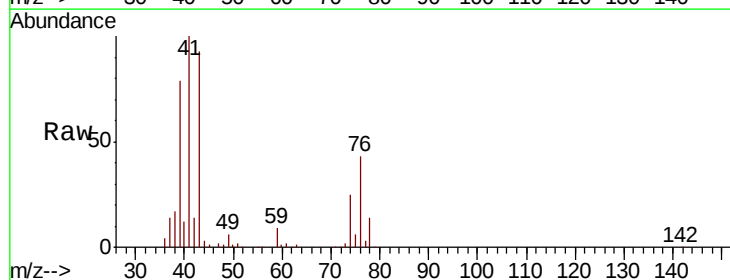
Tgt Ion: 41 Resp: 360101

Ion Ratio Lower Upper

41 100

39 80.9 57.8 86.8

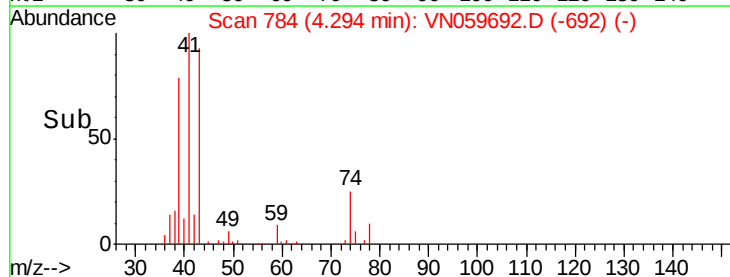
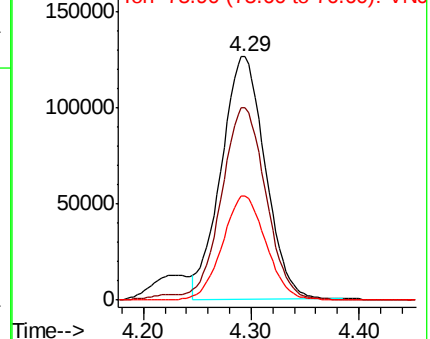
76 42.5 25.4 38.0#

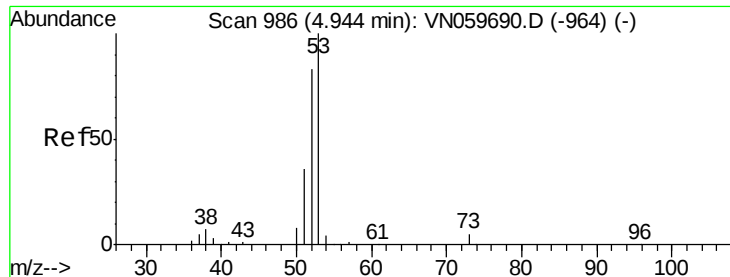


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 497.663 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

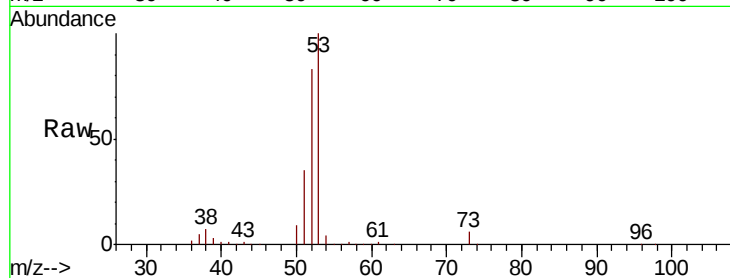
Tot Ion: 53 Resp: 633926

Ion Ratio Lower Upper

53 100

52 82.4 66.3 99.5

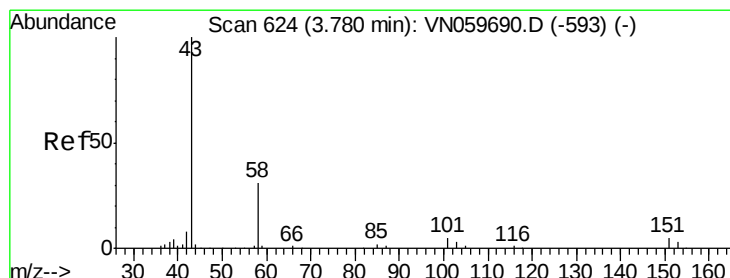
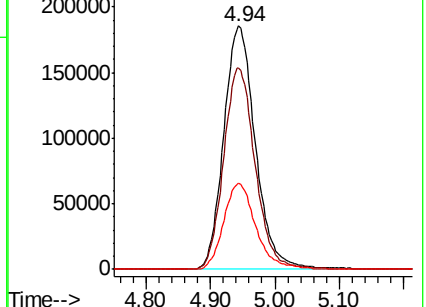
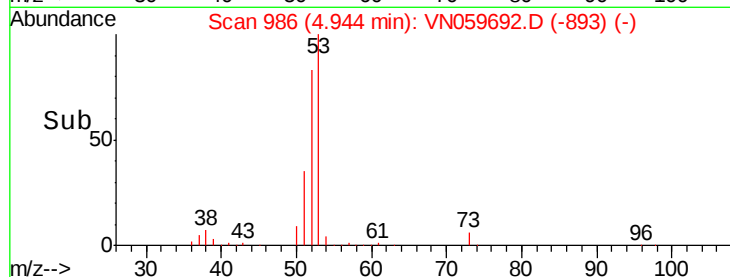
51 36.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059692.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059692.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059692.D (-893) (-)



#16

Acetone

Concen: 309.435 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059692.D

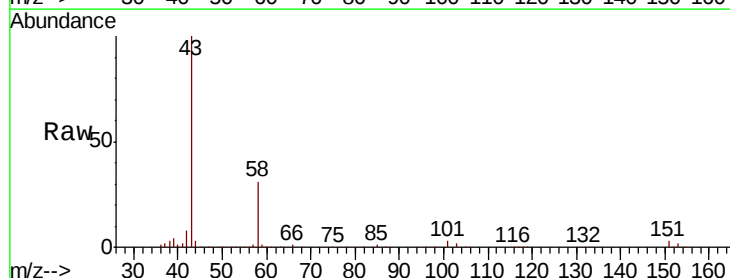
Acq: 13 Jan 2020 15:40

Tgt Ion: 43 Resp: 527709

Ion Ratio Lower Upper

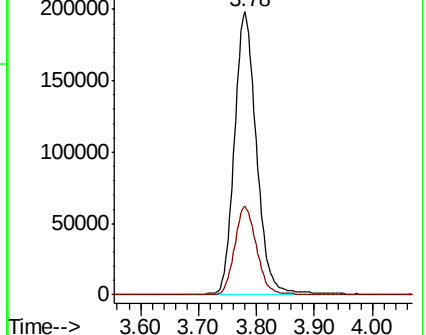
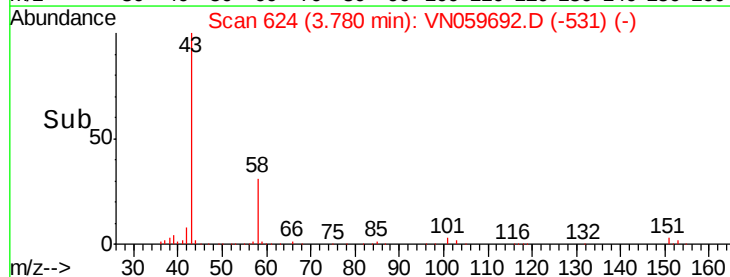
43 100

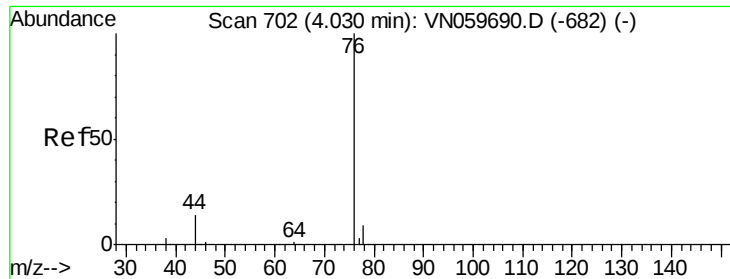
58 31.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059692.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059692.D (-531) (-)

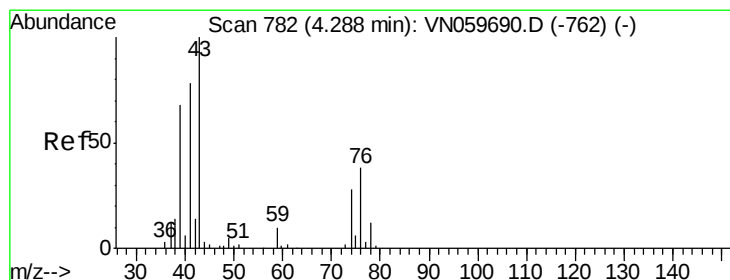
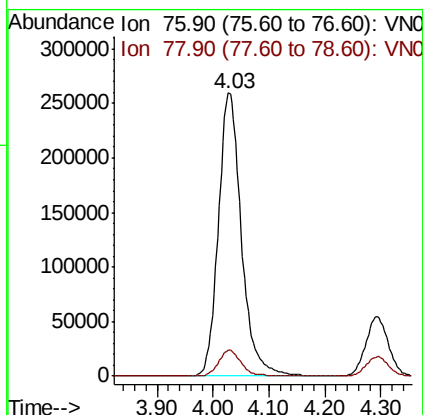
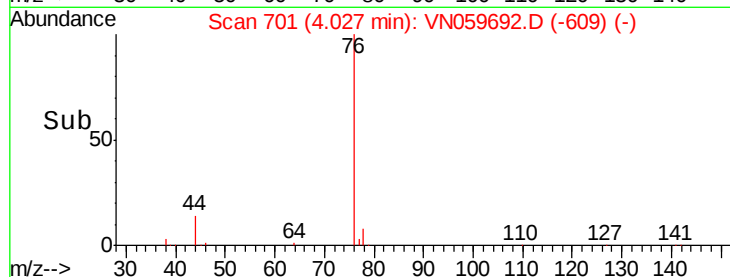
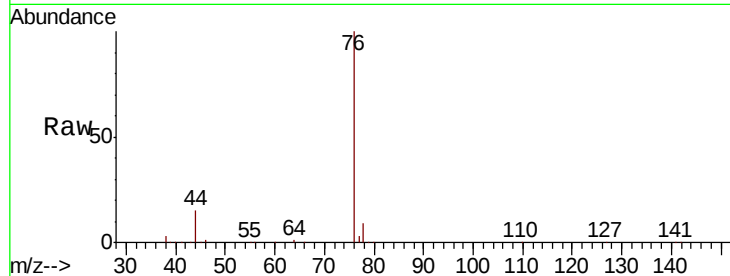




#17
Carbon Disulfide
Concen: 104.683 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

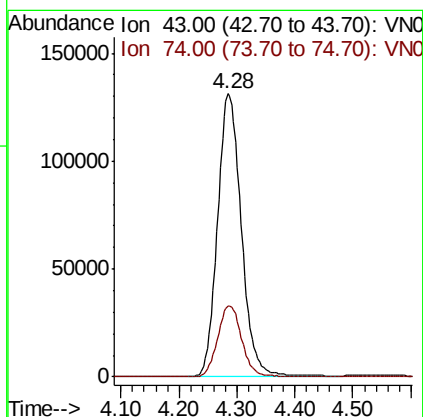
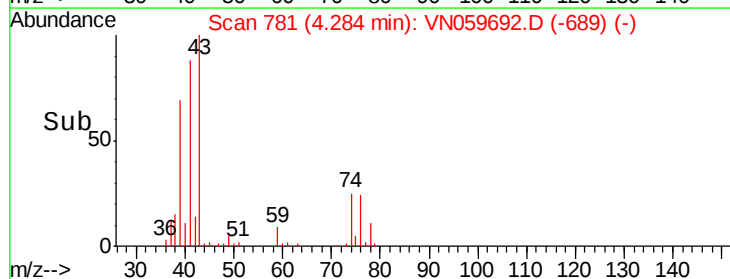
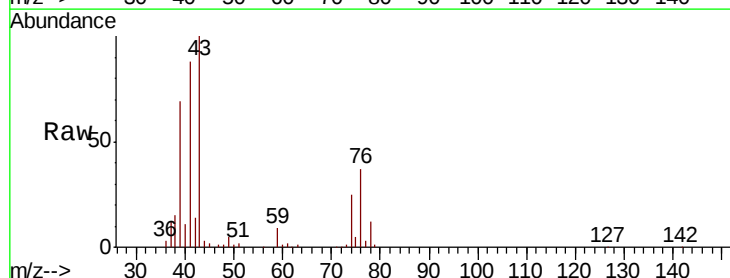
Instrument :
MSVOA_N
ClientSampleId :
BFB

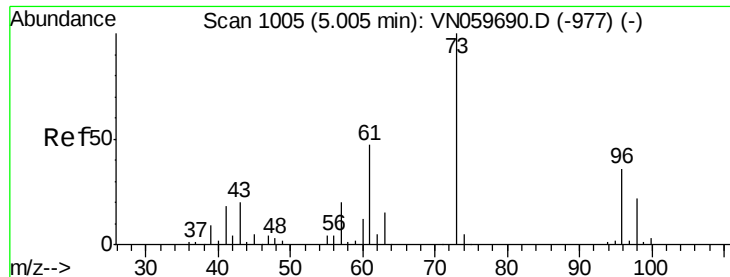
Tot Ion: 76 Resp: 744242
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 103.867 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 43 Resp: 371171
Ion Ratio Lower Upper
43 100
74 25.8 17.5 26.3

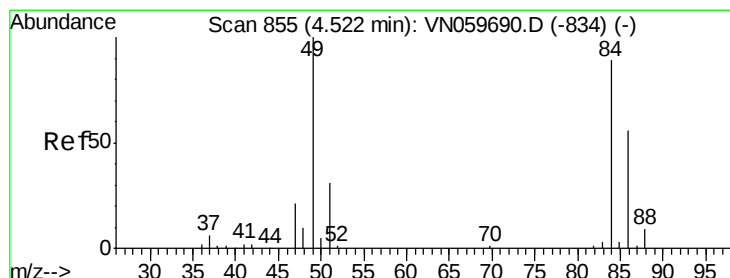
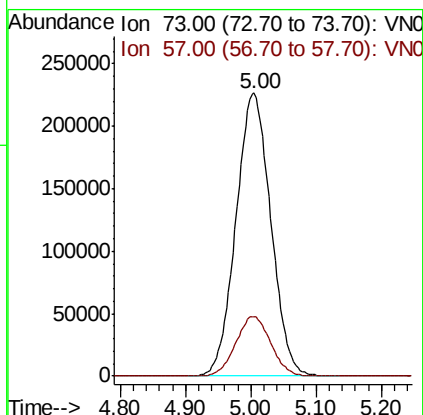
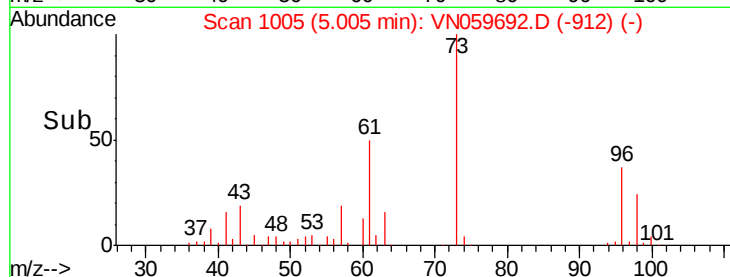
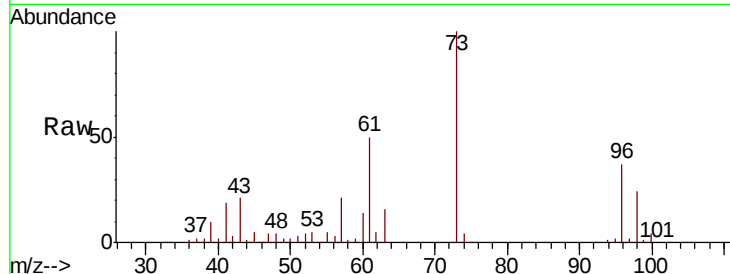




#19
Methyl tert-butyl Ether
Concen: 114.803 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

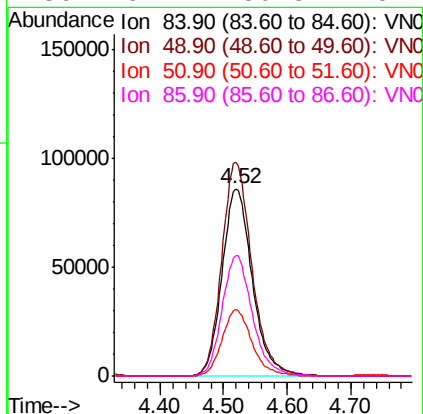
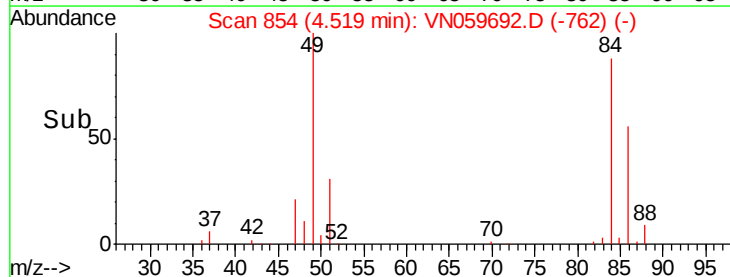
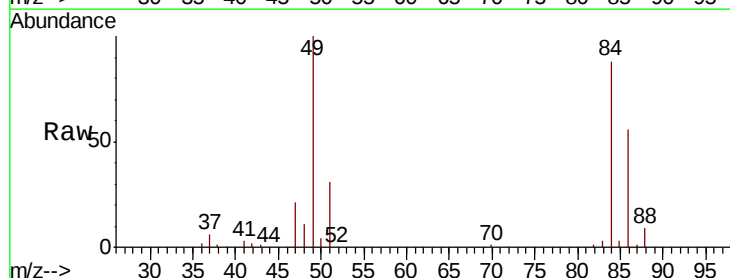
Instrument :
MSVOA_N
ClientSampled :
BFB

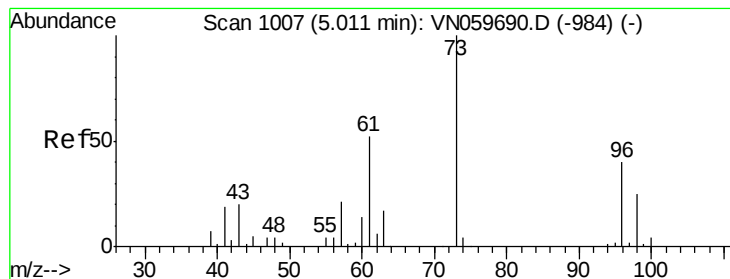
Tot Ion: 73 Resp: 839253
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8



#20
Methylene Chloride
Concen: 115.333 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 84 Resp: 284066
Ion Ratio Lower Upper
84 100
49 114.1 106.6 160.0
51 35.2 31.9 47.9
86 64.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 118.528 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

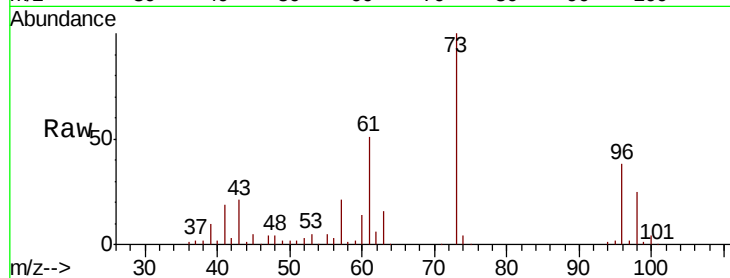
Tot Ion: 96 Resp: 273577

Ion Ratio Lower Upper

96 100

61 133.2 120.4 180.6

98 64.0 50.6 75.8

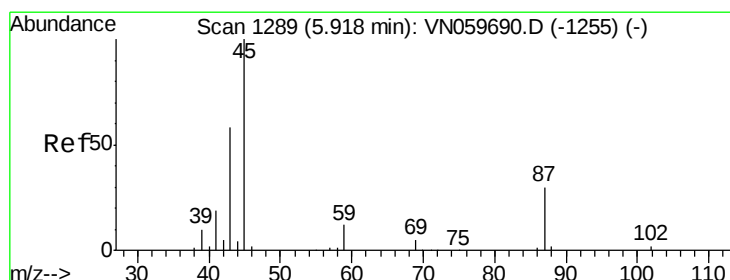
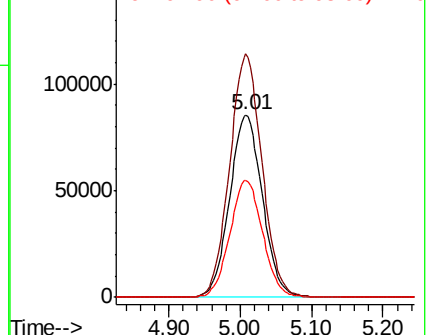
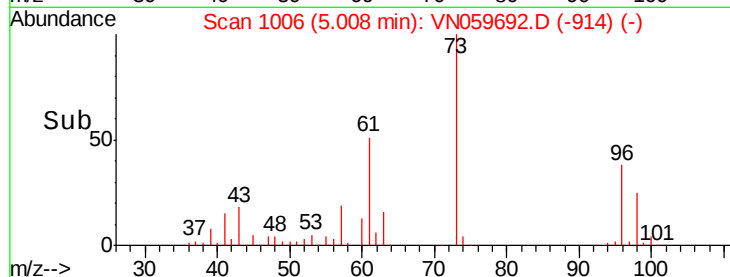


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 102.124 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion: 45 Resp: 800228

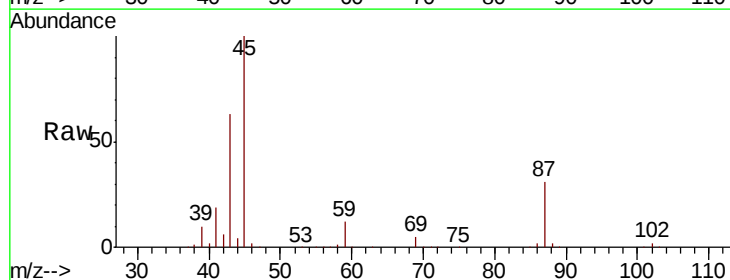
Ion Ratio Lower Upper

45 100

43 62.2 50.8 76.2

87 30.7 21.0 31.6

59 12.2 9.1 13.7



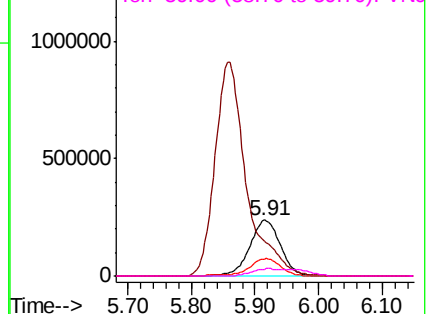
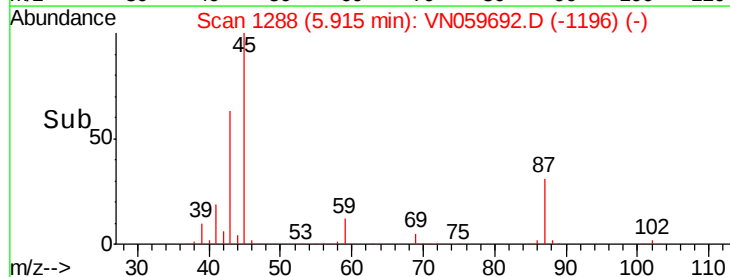
Abundance

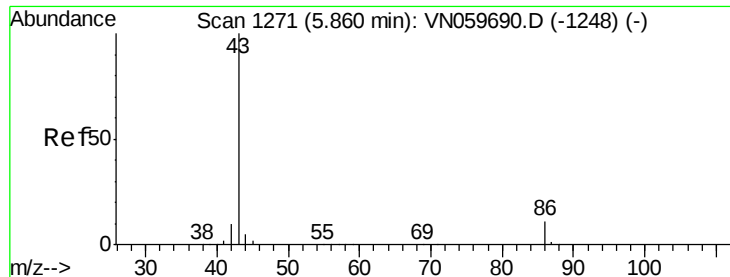
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 509.125 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

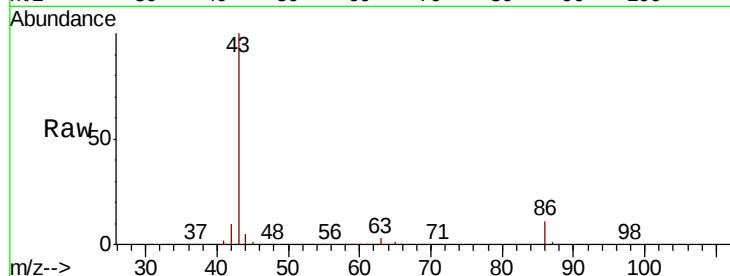
BFB

Tot Ion: 43 Resp: 3130786

Ion Ratio Lower Upper

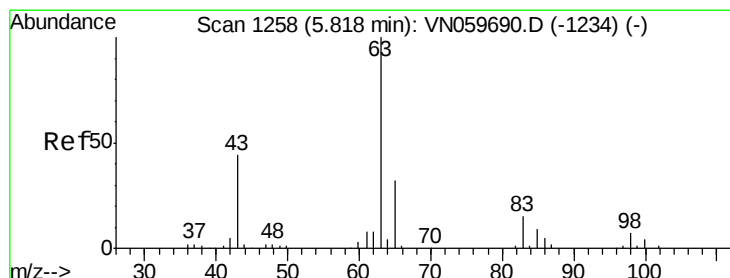
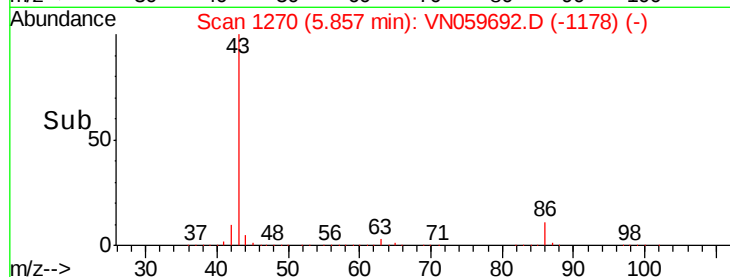
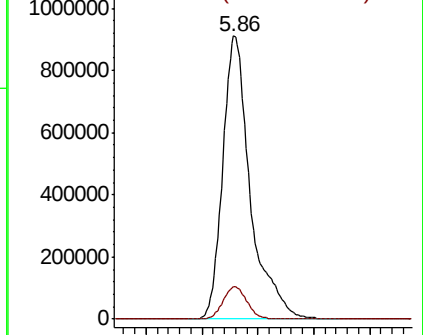
43 100

86 11.4 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 107.386 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

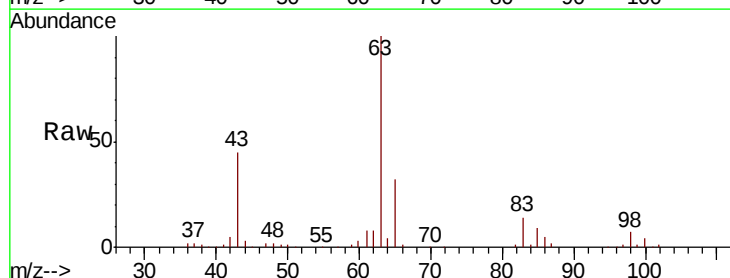
Tgt Ion: 63 Resp: 476658

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

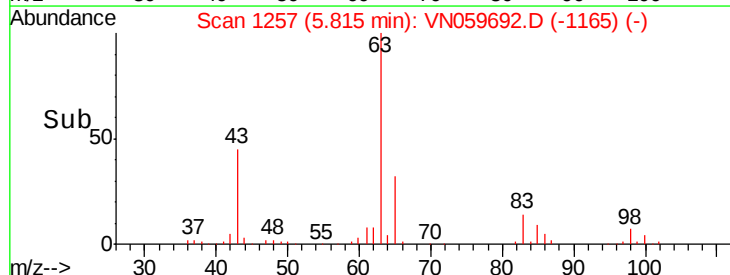
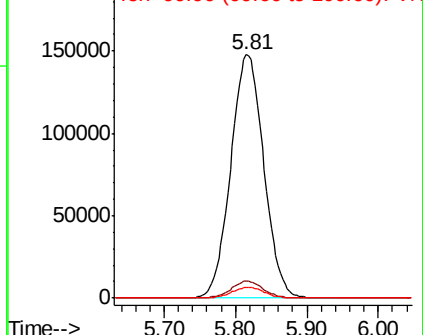
100 4.4 2.0 6.0

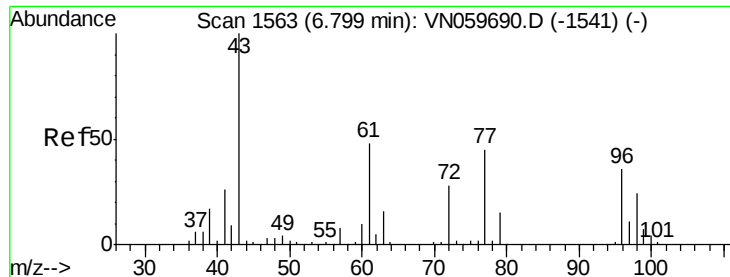


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

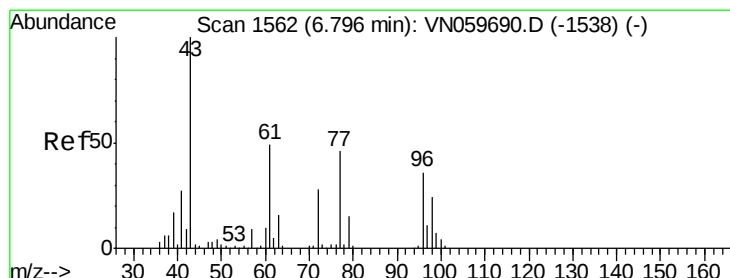
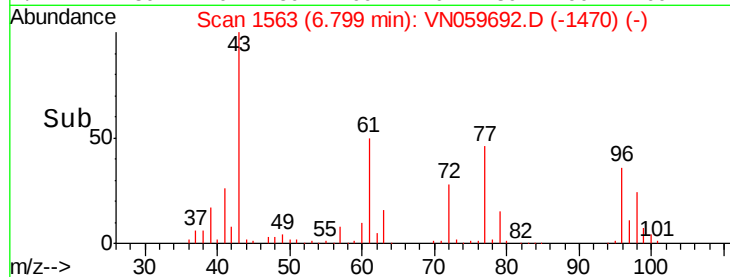
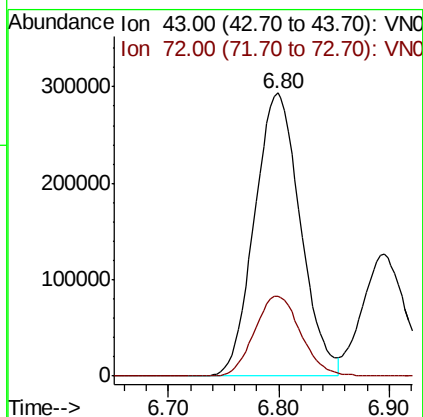
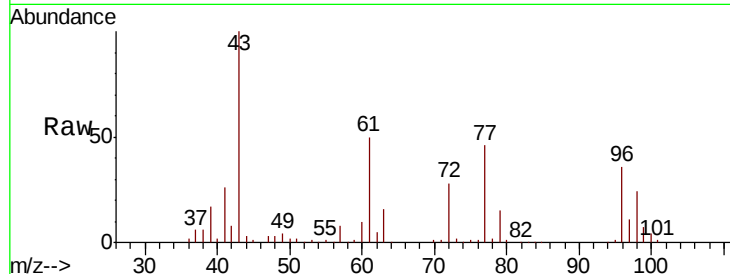




#25
2-Butanone
Concen: 414.762 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

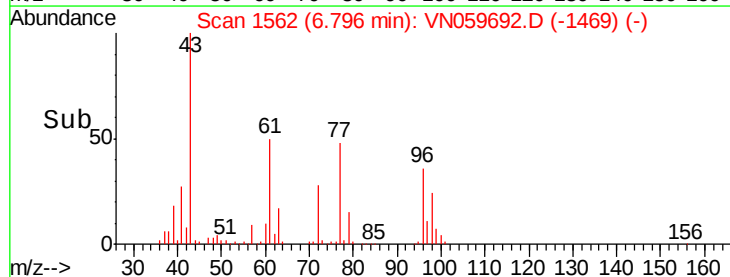
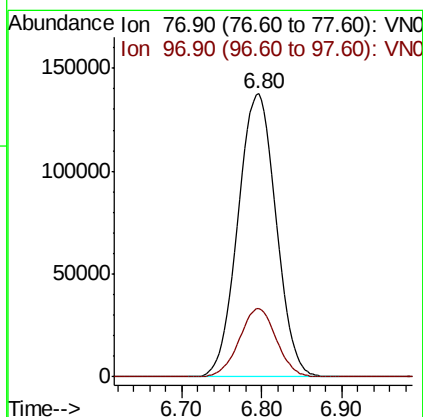
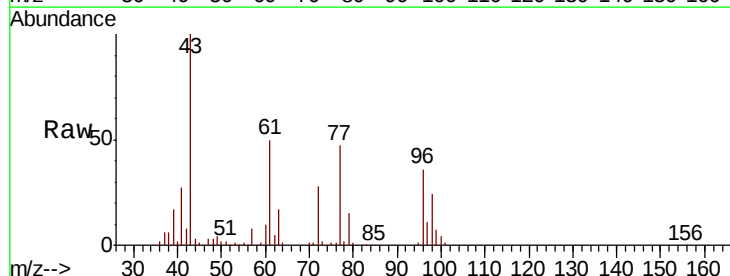
Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 43 Resp: 845836
Ion Ratio Lower Upper
43 100
72 28.3 19.9 29.9



#26
2,2-Dichloropropane
Concen: 110.378 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 77 Resp: 445286
Ion Ratio Lower Upper
77 100
97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 122.983 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
BFB

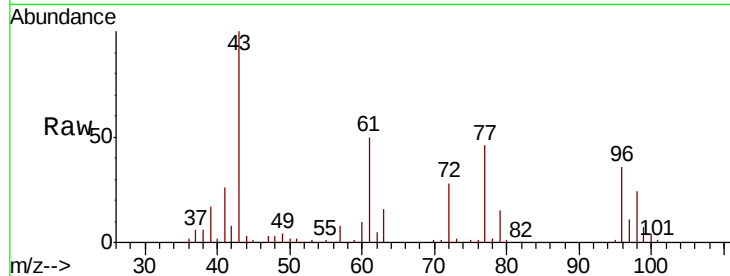
Tot Ion: 96 Resp: 314546

Ion Ratio Lower Upper

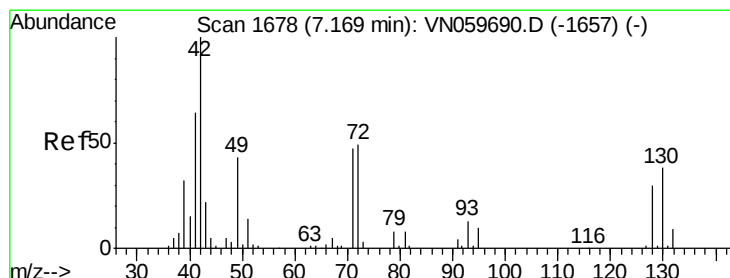
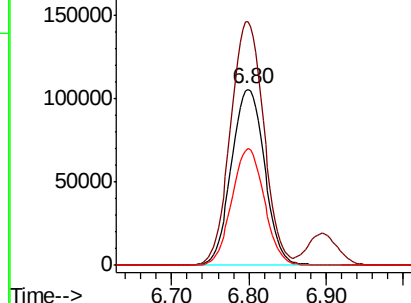
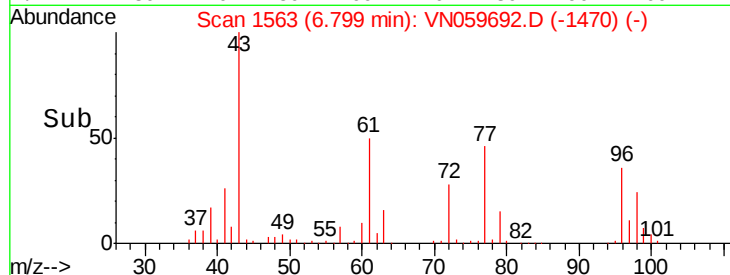
96 100

61 138.5 0.0 317.6

98 64.8 0.0 127.0



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



#28

Bromochloromethane

Concen: 130.152 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

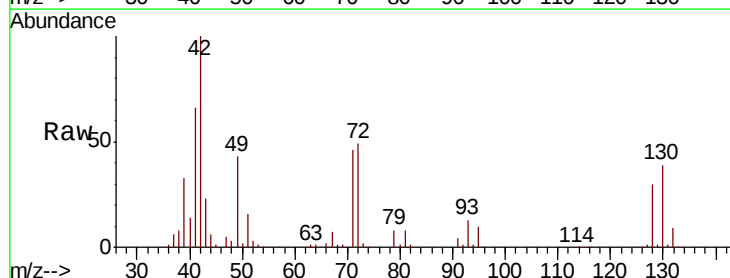
Tgt Ion: 49 Resp: 198106

Ion Ratio Lower Upper

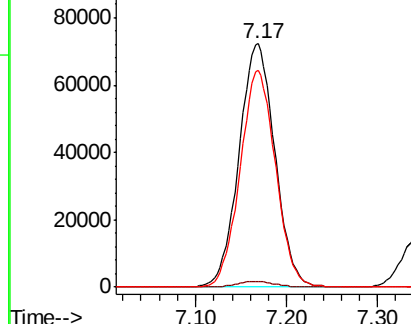
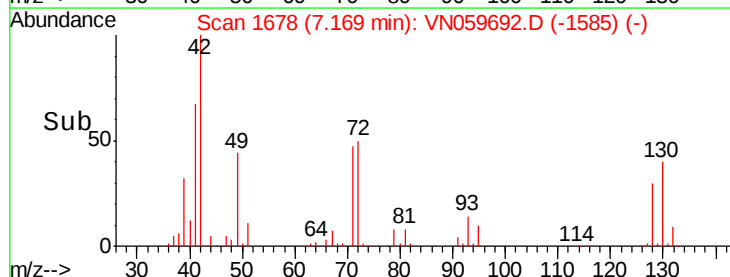
49 100

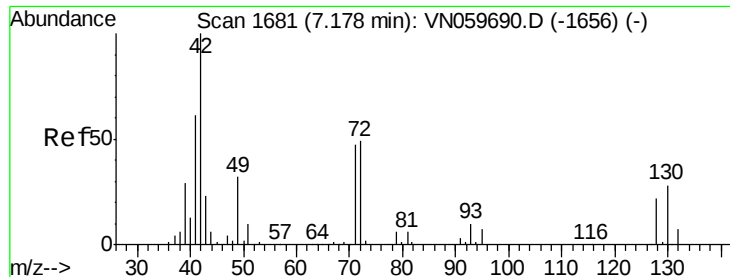
129 2.4 0.0 3.4

130 87.9 54.7 82.1#



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

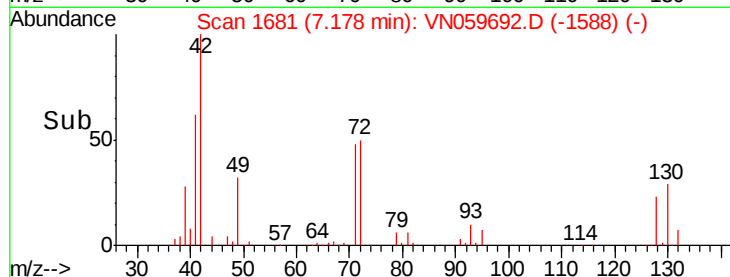
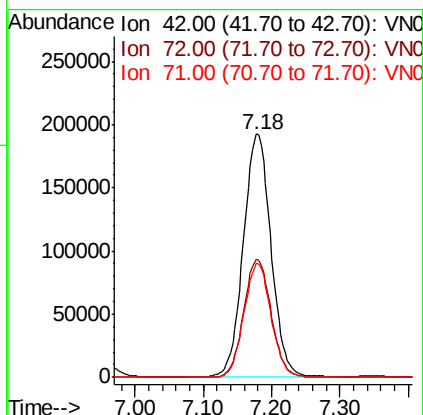
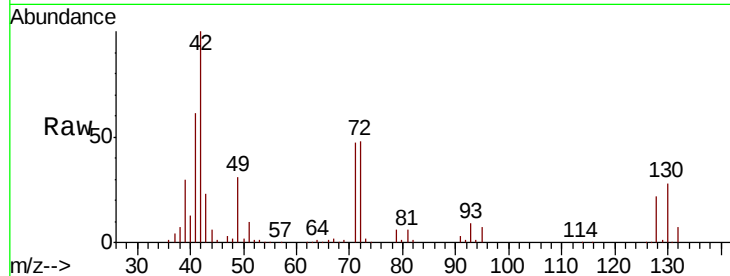




#29
Tetrahydrofuran
Concen: 438.101 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

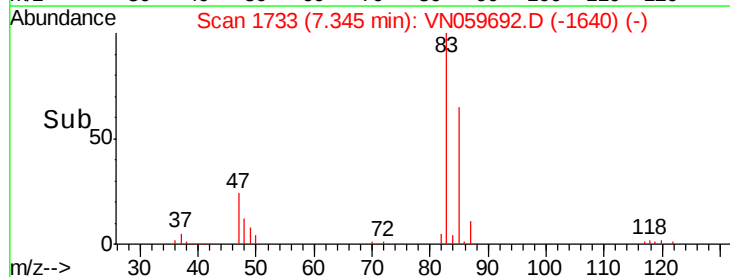
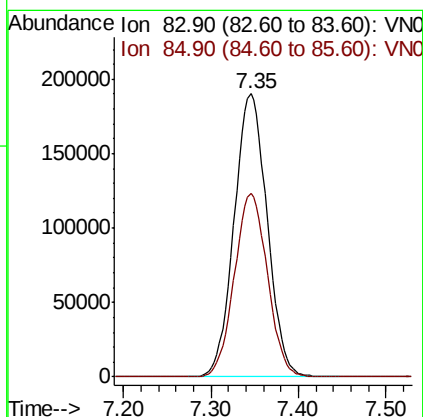
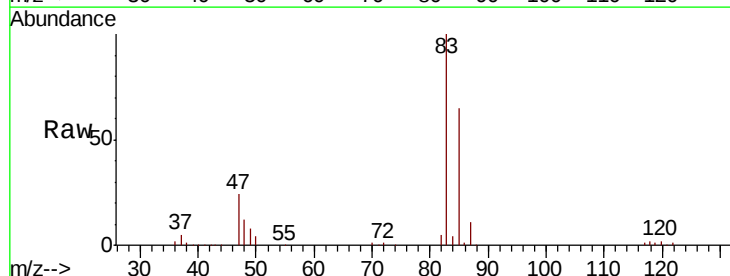
Instrument :
MSVOA_N
ClientSampled :
BFB

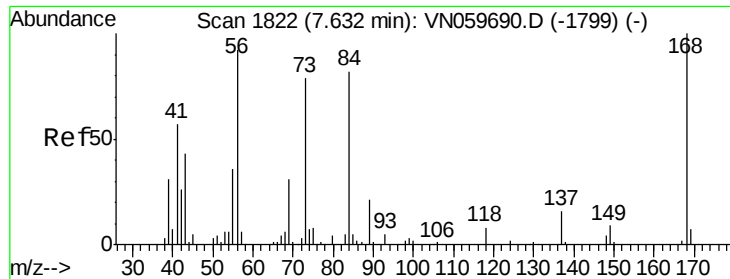
Tot Ion: 42 Resp: 544353
Ion Ratio Lower Upper
42 100
72 48.0 33.1 49.7
71 45.8 31.4 47.0



#30
Chloroform
Concen: 114.158 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 83 Resp: 498776
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6

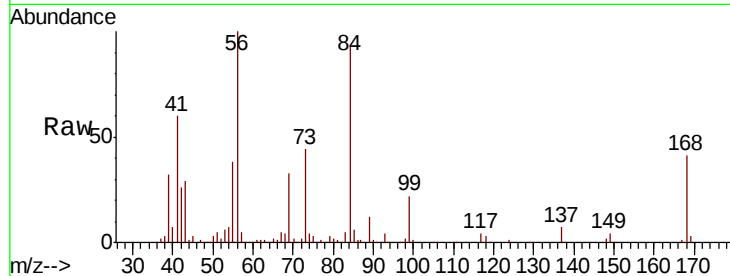




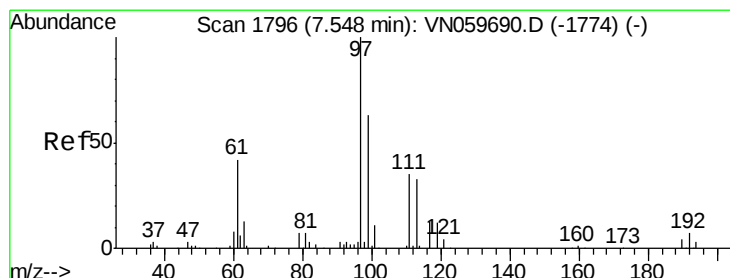
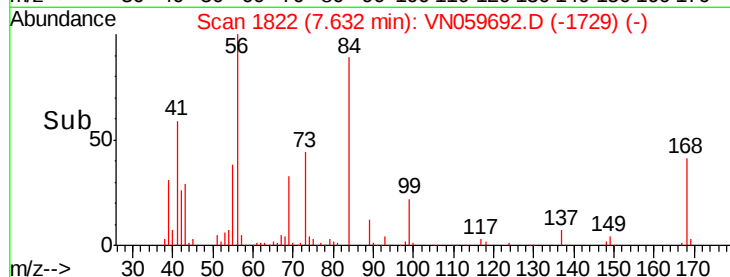
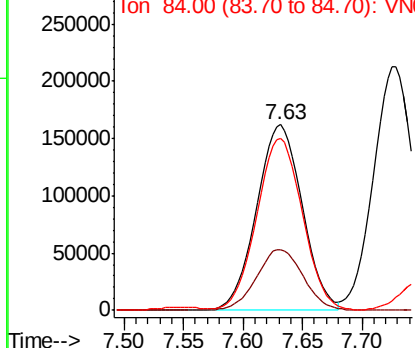
#31
Cyclohexane
Concen: 102.887 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion: 56 Resp: 431515
Ion Ratio Lower Upper
56 100
69 32.8 26.5 39.7
84 91.2 65.3 97.9

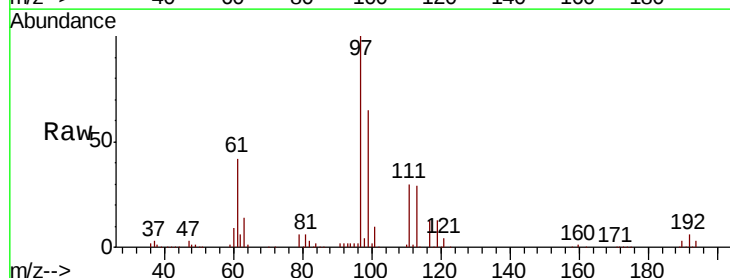


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

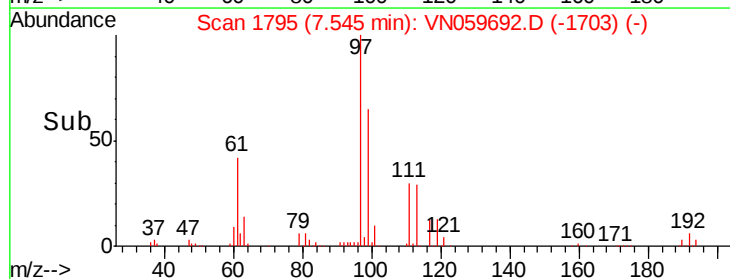
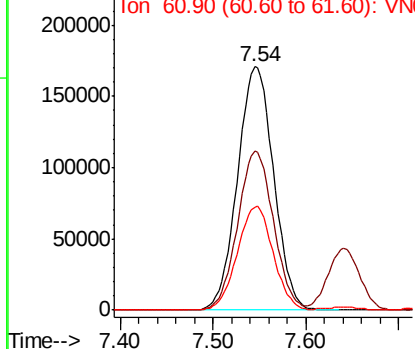


#32
1,1,1-Trichloroethane
Concen: 117.231 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 97 Resp: 461776
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 42.2 38.5 57.7



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

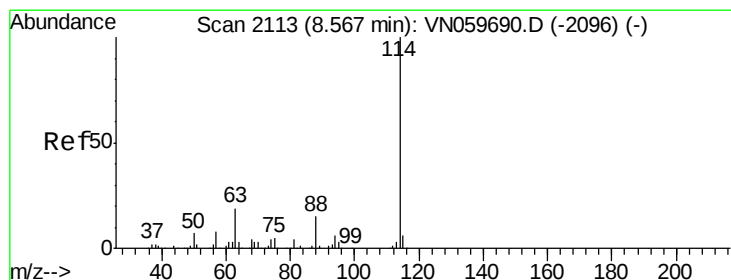
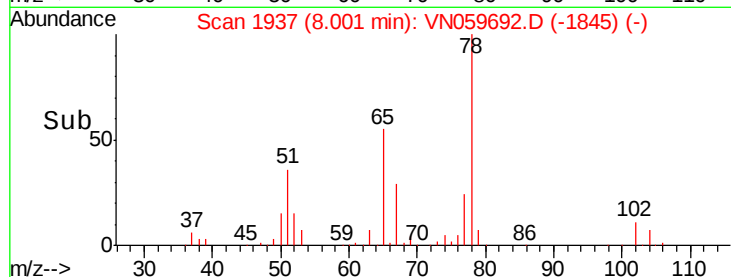
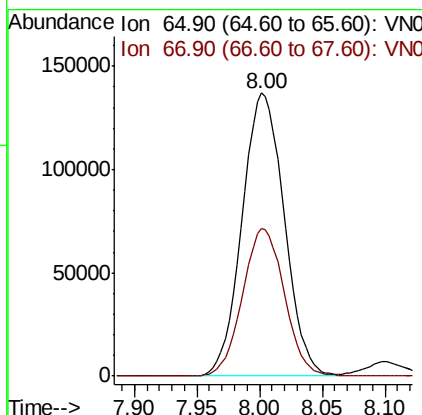
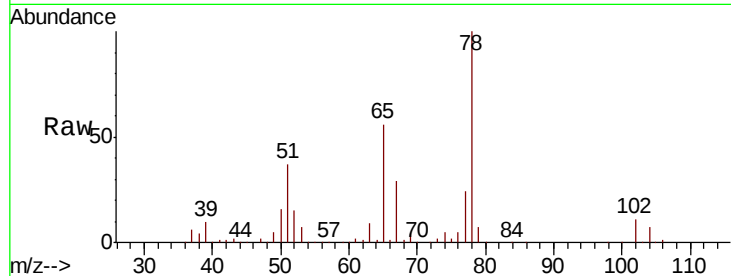




#33
 1,2-Dichloroethane-d4
 Concen: 111.438 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

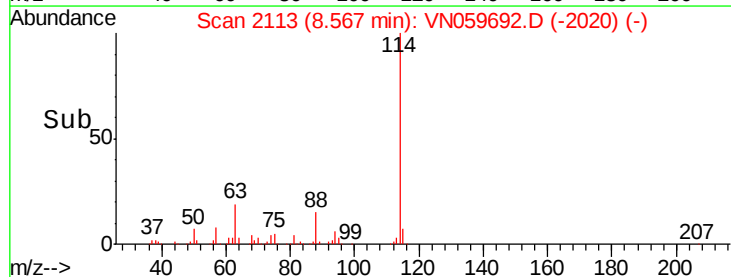
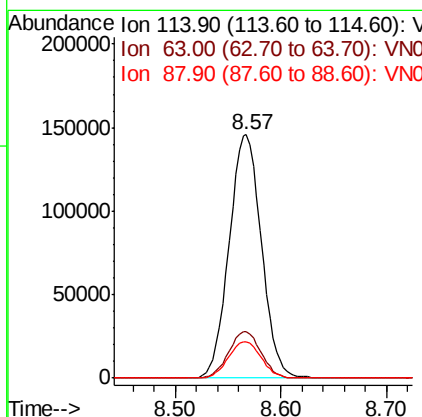
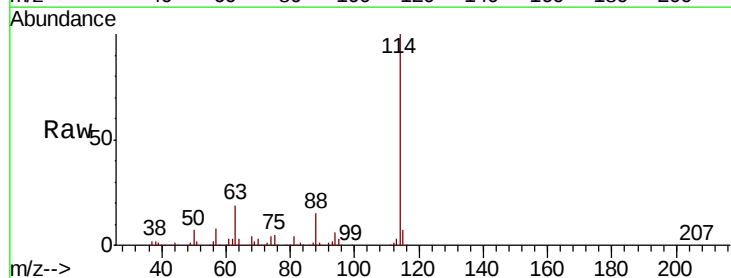
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

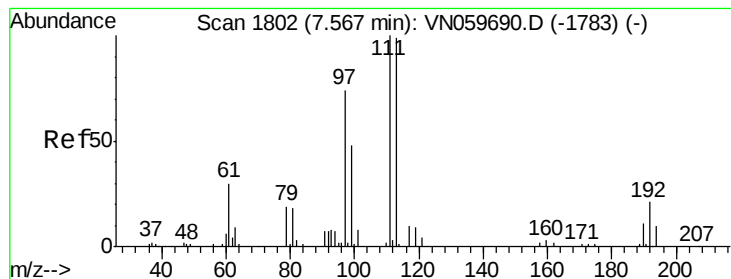
Tot Ion: 65 Resp: 320100
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion: 114 Resp: 308726
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 139.275 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

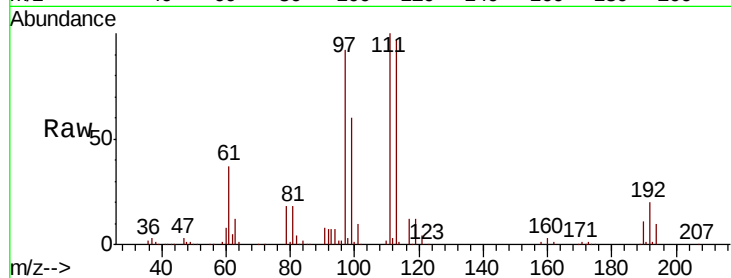
Tot Ion:113 Resp: 269031

Ion Ratio Lower Upper

113 100

111 103.5 83.5 125.3

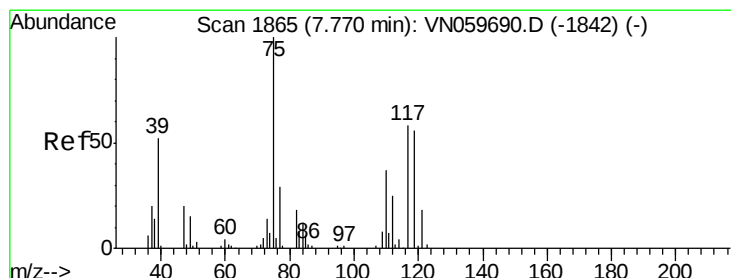
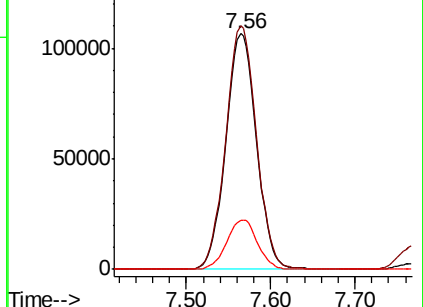
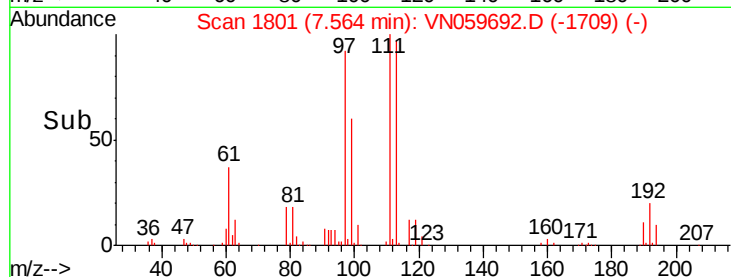
192 21.1 15.4 23.2



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: 118.800 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

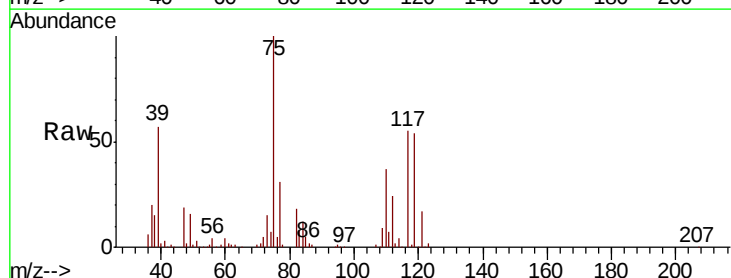
Tgt Ion: 75 Resp: 382484

Ion Ratio Lower Upper

75 100

110 37.3 16.6 49.7

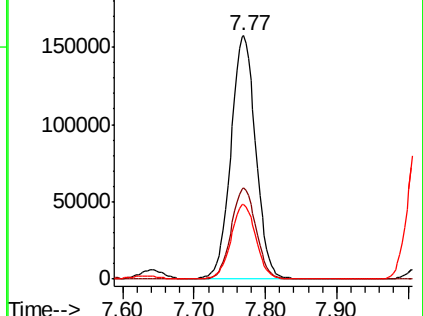
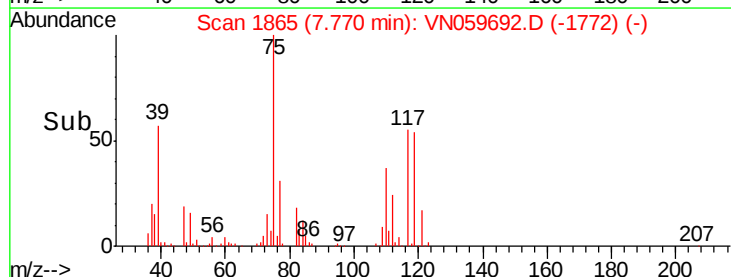
77 30.9 25.1 37.7

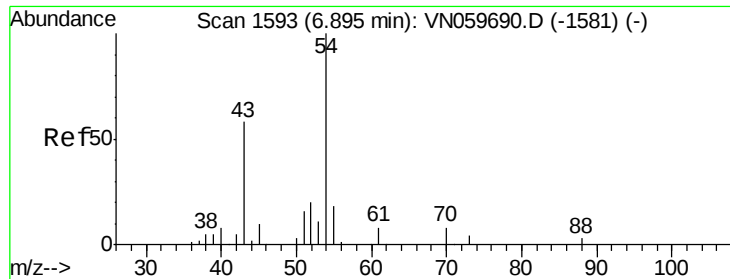


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

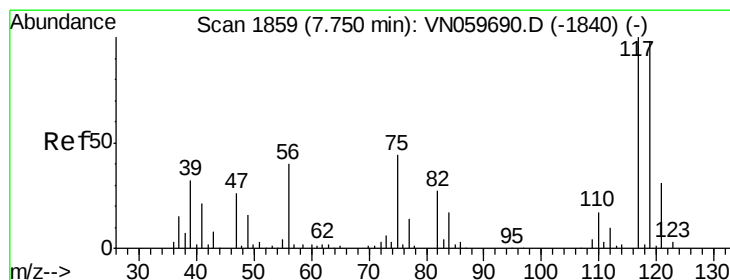
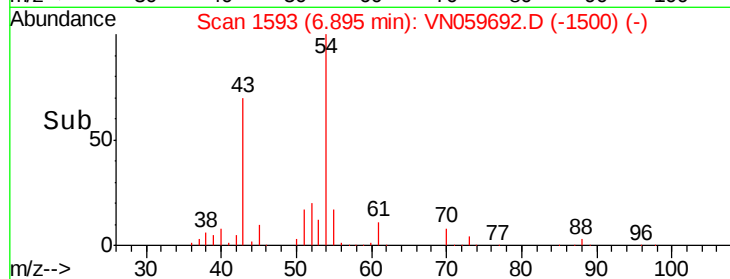
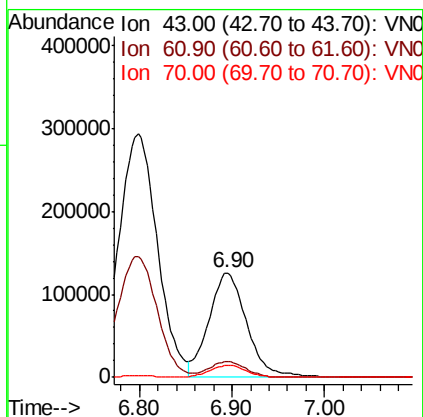
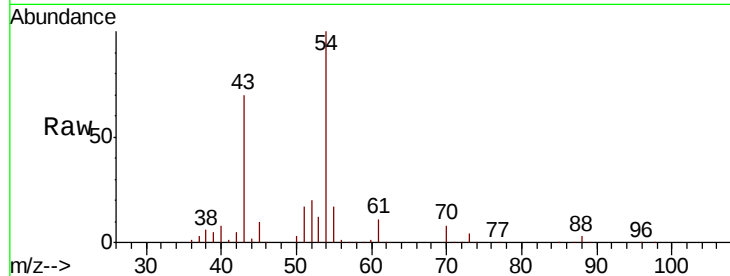




#37
Ethyl Acetate
Concen: 93.898 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

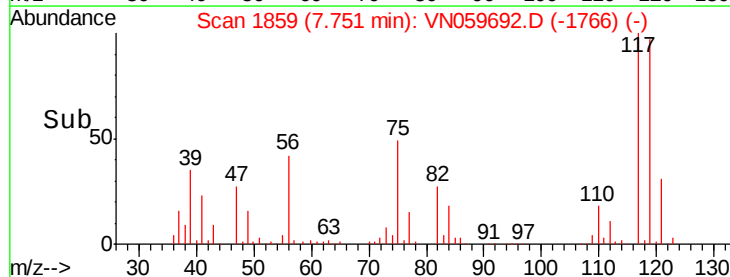
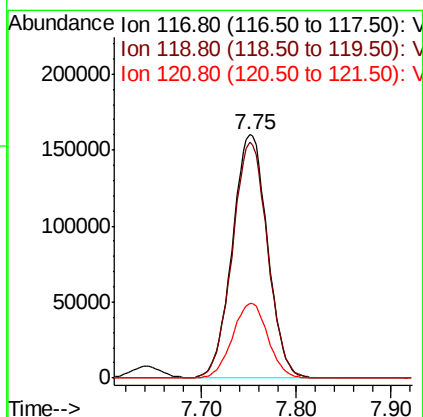
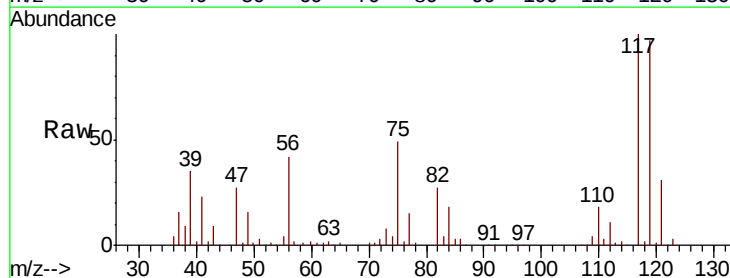
Instrument :
MSVOA_N
ClientSampleId :
BFB

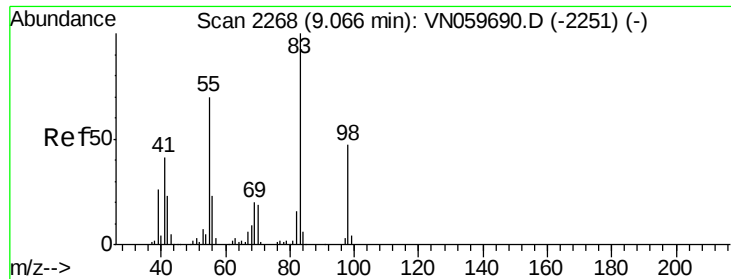
Tot Ion: 43 Resp: 351366
Ion Ratio Lower Upper
43 100
61 14.4 10.9 16.3
70 11.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 124.125 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 117 Resp: 414684
Ion Ratio Lower Upper
117 100
119 96.6 76.5 114.7
121 30.8 25.1 37.7

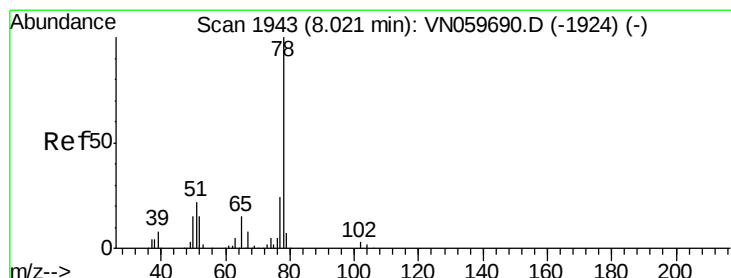
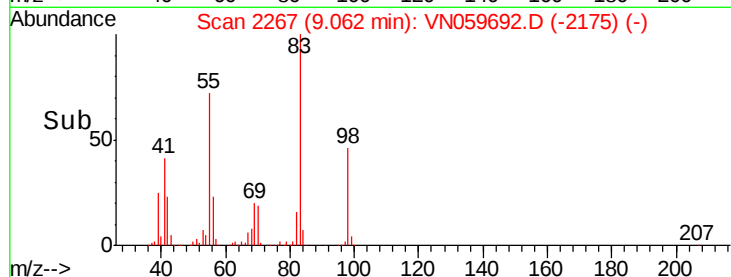
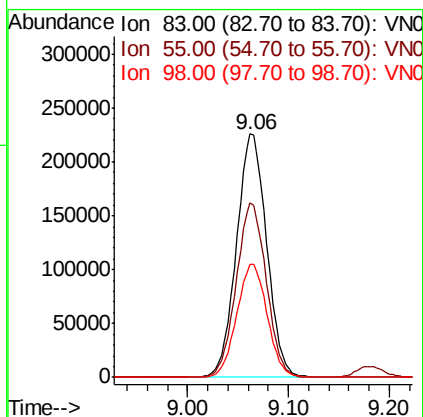
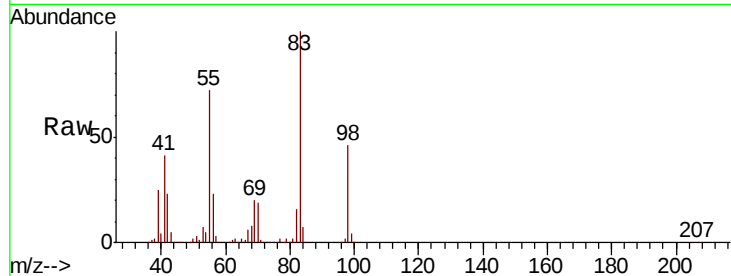




#39
Methvlcvclohexane
Concen: 128.264 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

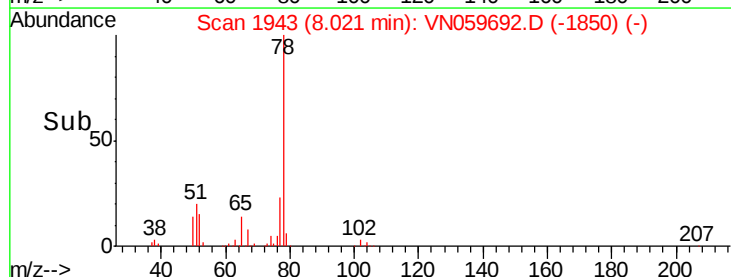
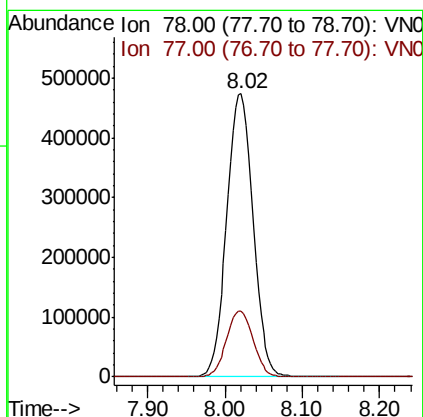
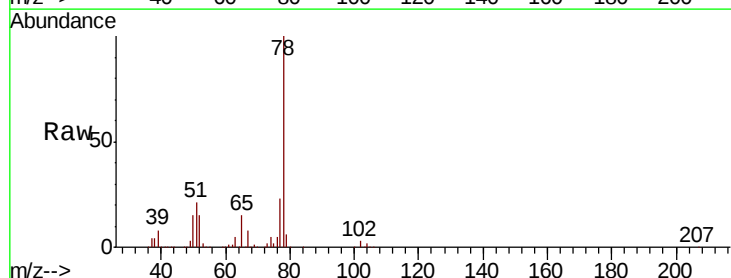
Instrument :
MSVOA_N
ClientSampleId :
BFB

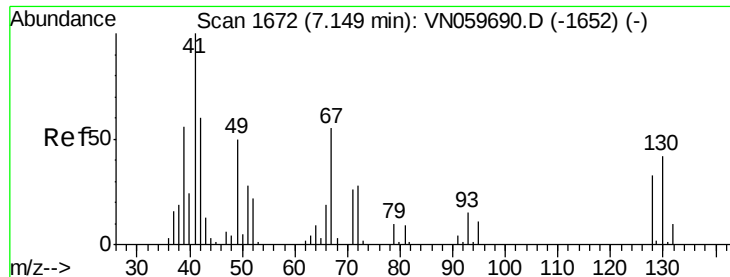
Tot Ion: 83 Resp: 468410
Ion Ratio Lower Upper
83 100
55 71.6 64.2 96.2
98 46.3 35.9 53.9



#40
Benzene
Concen: 118.761 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 78 Resp: 1117397
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3

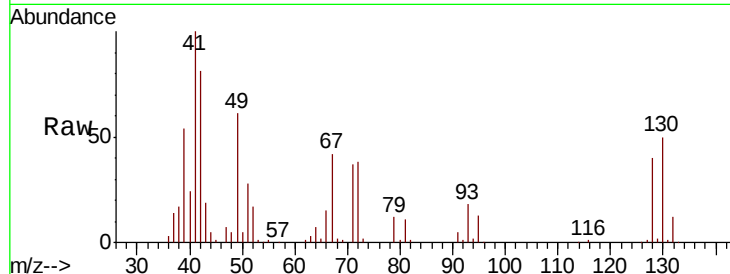




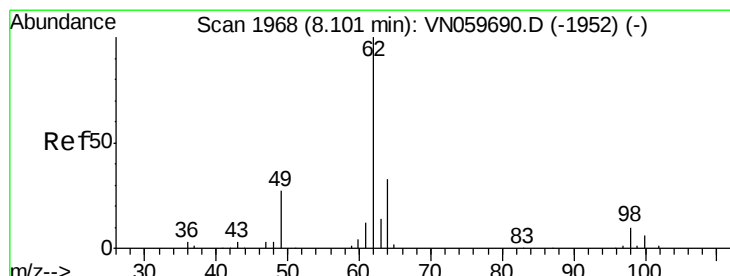
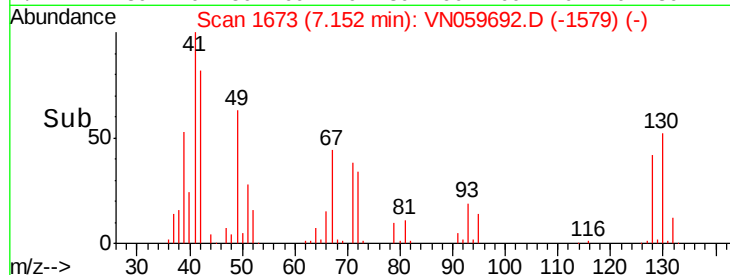
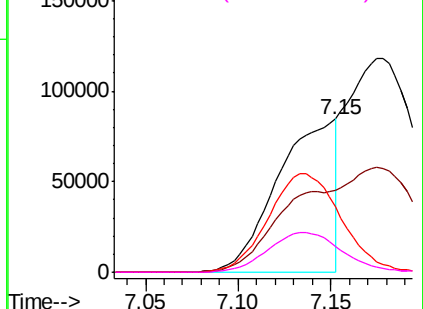
#41
Methacrylonitrile
Concen: 119.970 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 41 Resp: 185271
Ion Ratio Lower Upper
41 100
39 141.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

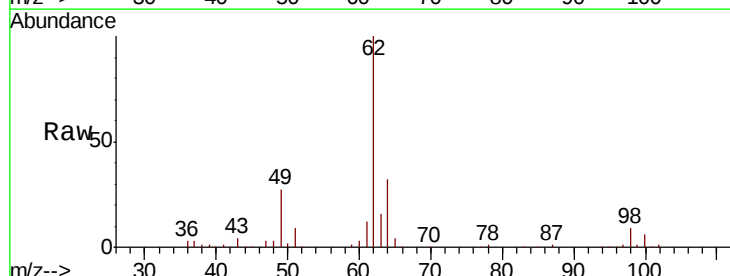


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

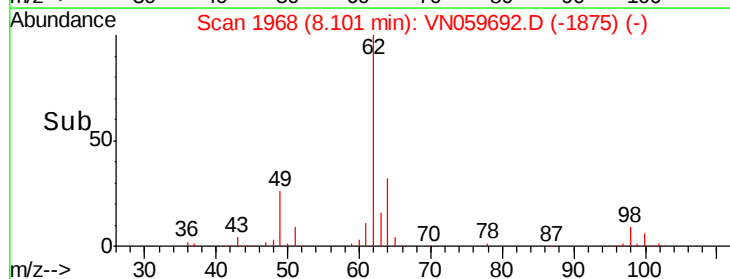
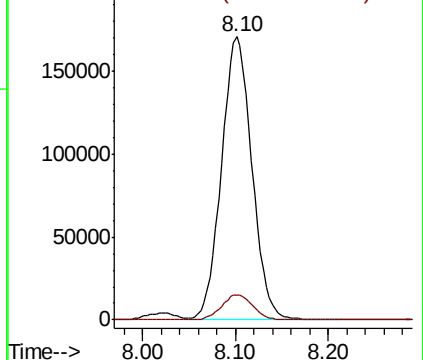


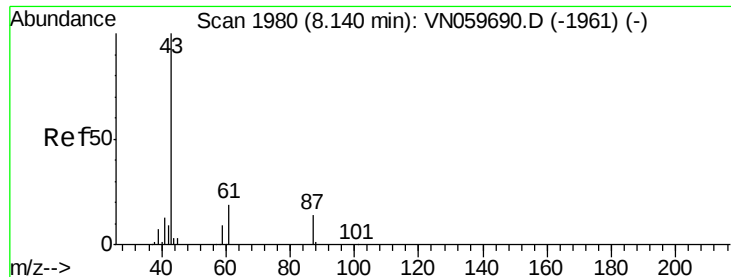
#42
1,2-Dichloroethane
Concen: 107.543 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 62 Resp: 387503
Ion Ratio Lower Upper
62 100
98 9.1 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 104.656 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

BFB

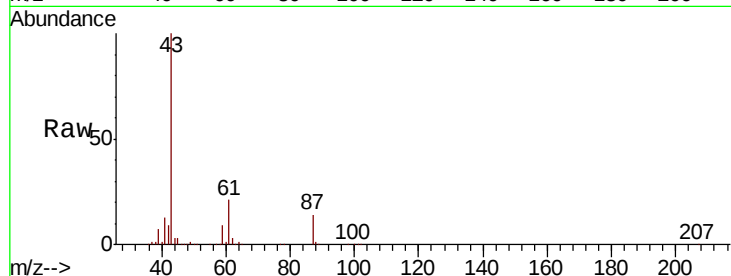
Tot Ion: 43 Resp: 608866

Ion Ratio Lower Upper

43 100

61 27.3 20.2 30.2

87 14.7 9.5 14.3#

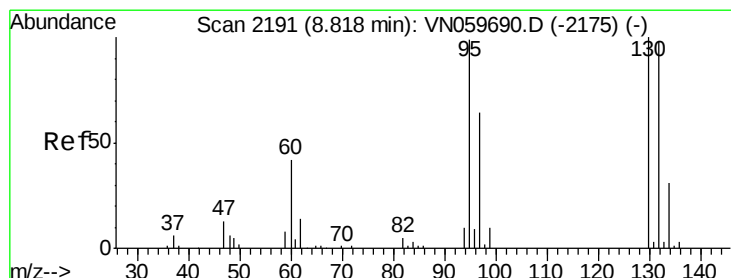
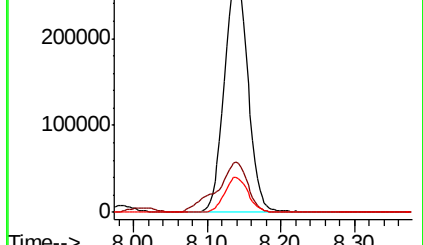
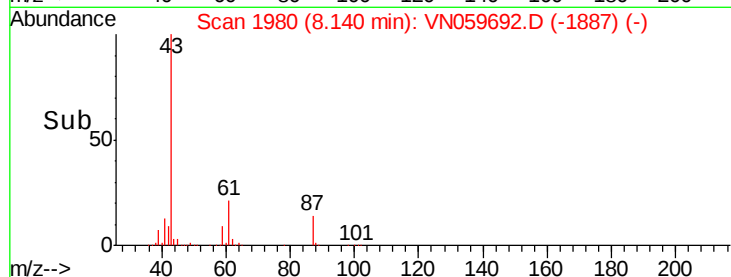


Abundance Ion 43.00 (42.70 to 43.70): VN059692.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059692.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059692.D (-1961) (-)

Time-->



#44

Trichloroethene

Concen: 128.493 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059692.D

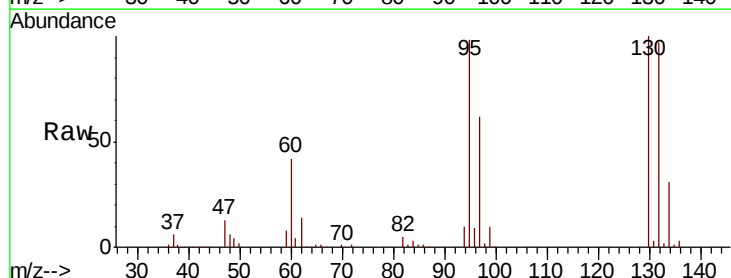
Acq: 13 Jan 2020 15:40

Tgt Ion:130 Resp: 316667

Ion Ratio Lower Upper

130 100

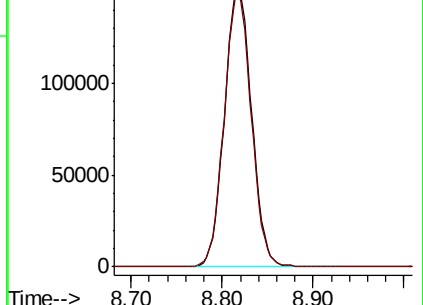
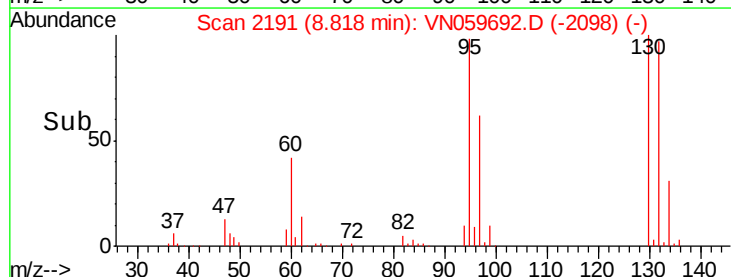
95 98.0 0.0 207.0

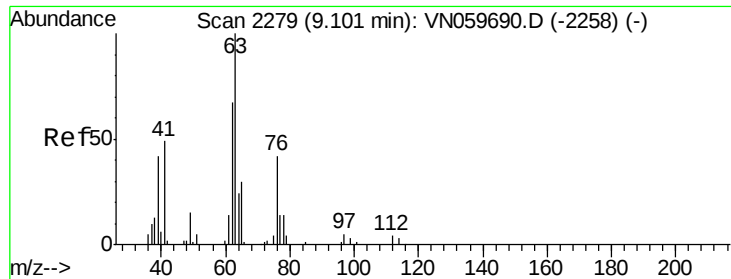


Abundance Ion 129.80 (129.50 to 130.50): VN059692.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059692.D (-2175) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 111.149 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

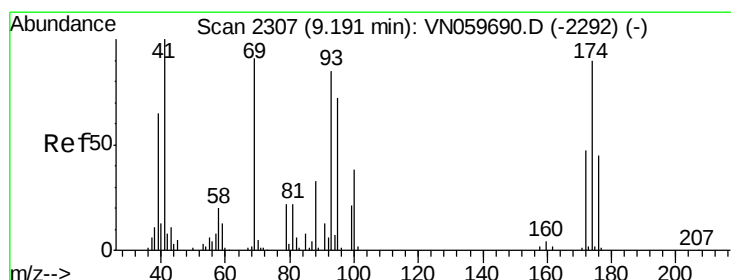
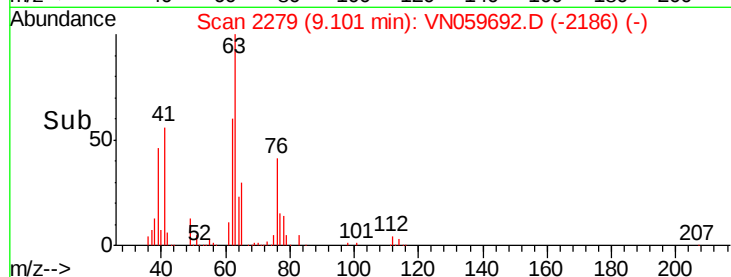
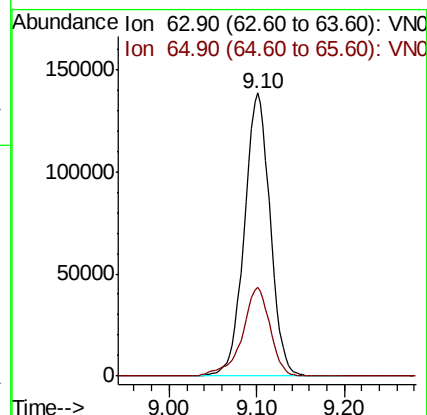
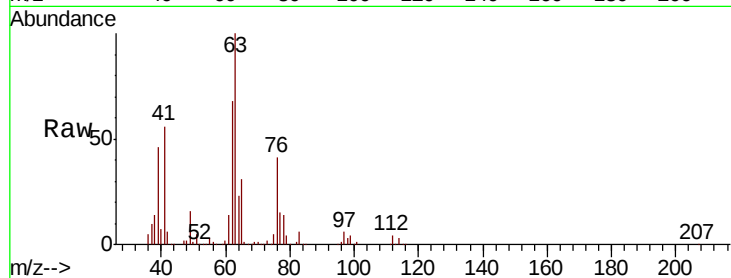
BFB

Tot Ion: 63 Resp: 282401

Ion Ratio Lower Upper

63 100

65 31.2 24.9 37.3



#46

Dibromomethane

Concen: 120.162 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

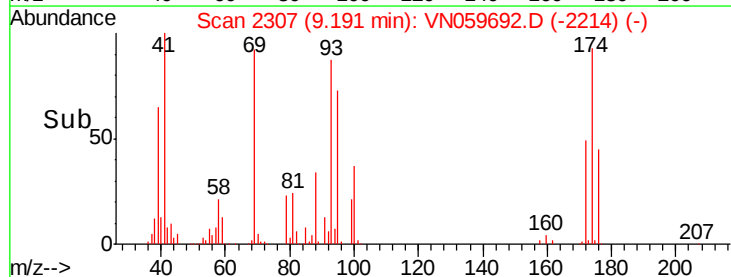
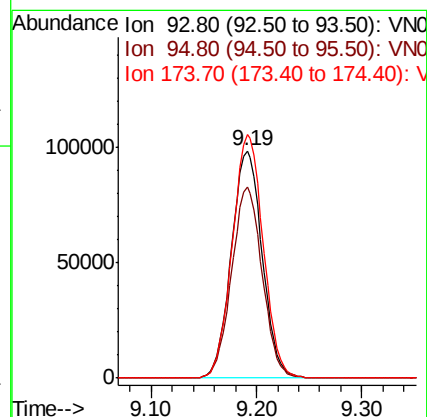
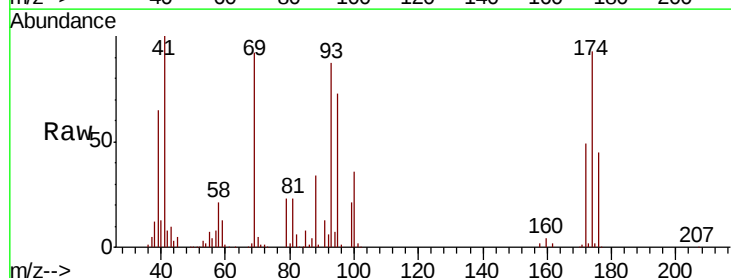
Tgt Ion: 93 Resp: 200016

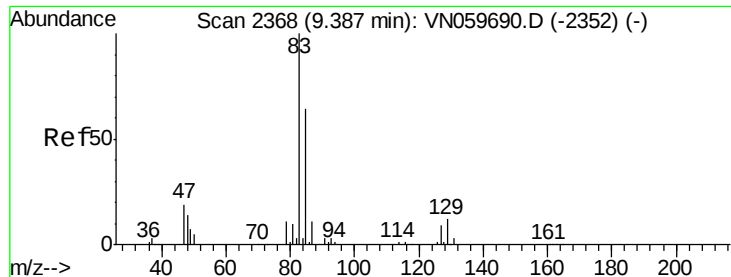
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

174 107.1 73.4 110.2

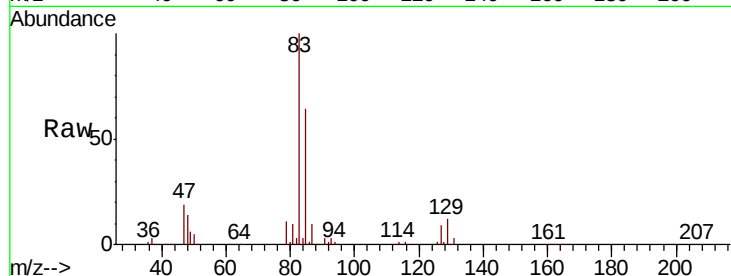




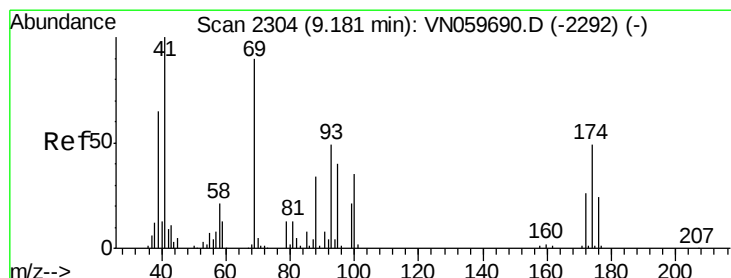
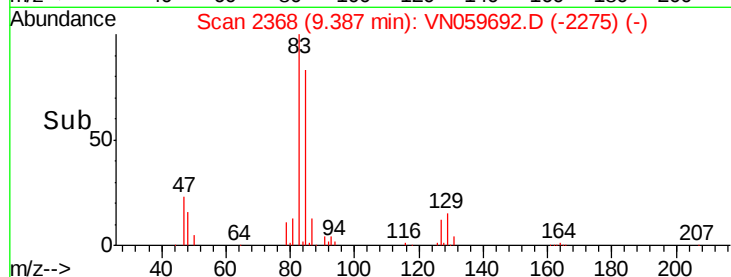
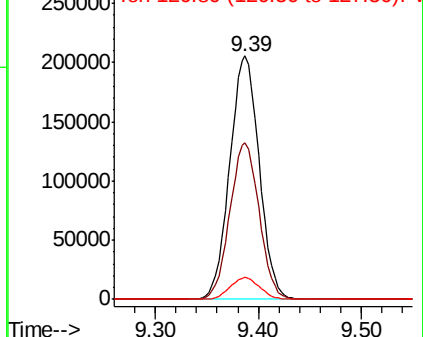
#47
Bromodichloromethane
Concen: 123.129 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 83 Resp: 408631
Ion Ratio Lower Upper
83 100
85 64.2 51.1 76.7
127 9.0 6.6 9.8

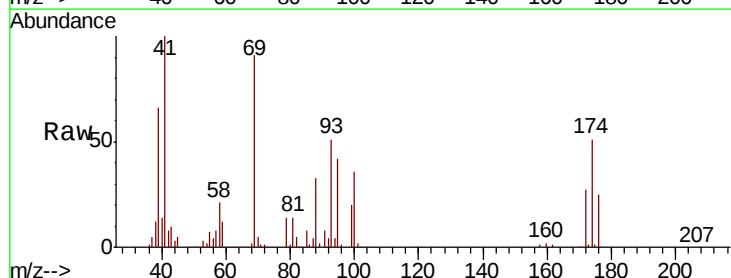


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

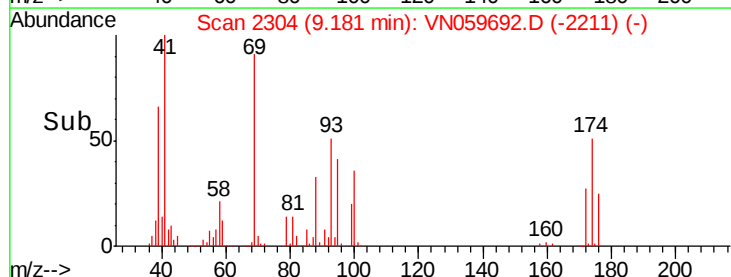
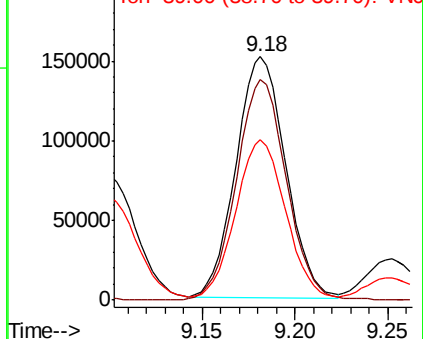


#48
Methyl methacrylate
Concen: 106.408 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 41 Resp: 280865
Ion Ratio Lower Upper
41 100
69 92.7 64.4 96.6
39 67.4 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

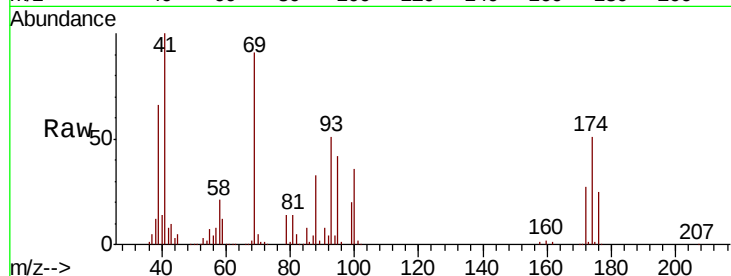




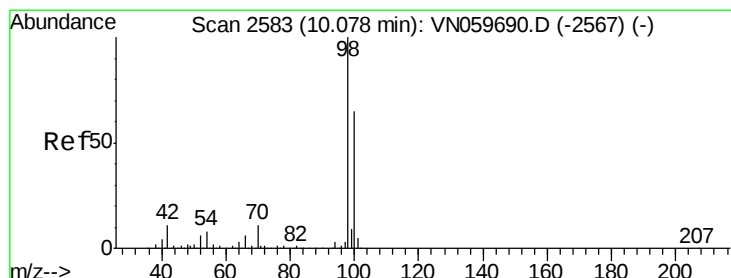
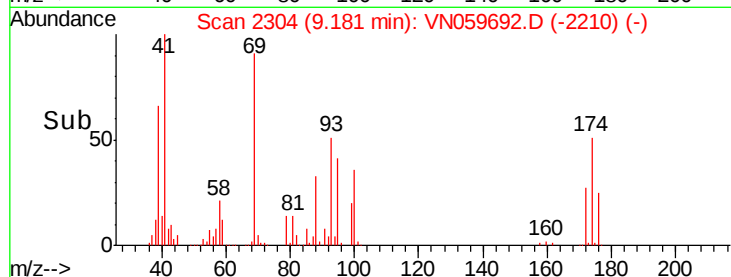
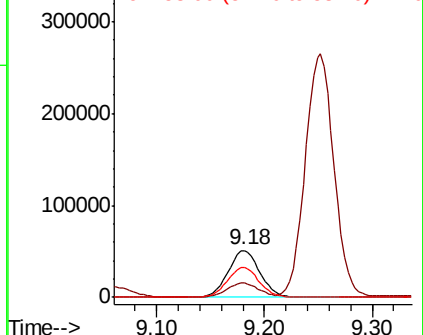
#49
1,4-Dioxane
Concen: 2763.449 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 88 Resp: 104530
Ion Ratio Lower Upper
88 100
43 30.4 29.7 44.5
58 63.8 56.6 85.0

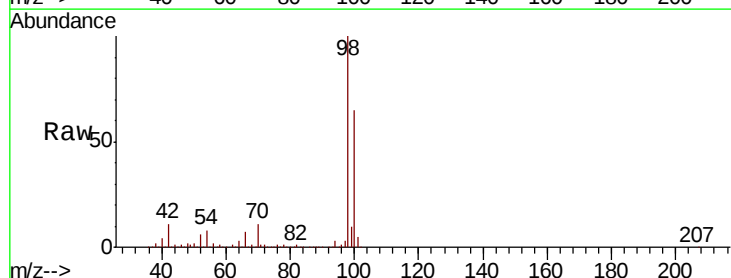


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

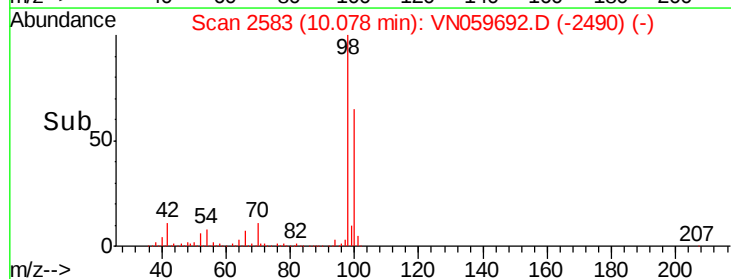
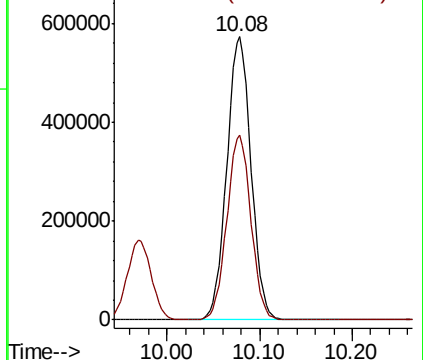


#50
Toluene-d8
Concen: 135.192 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 98 Resp: 1033912
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



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: 505.727 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

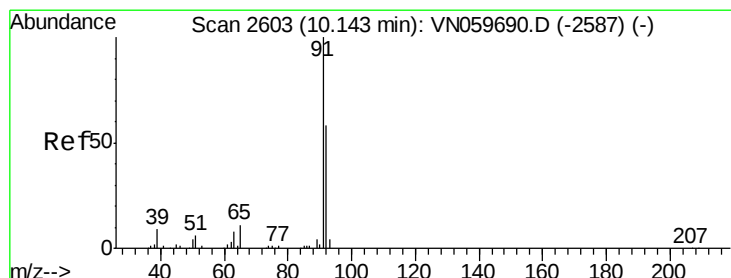
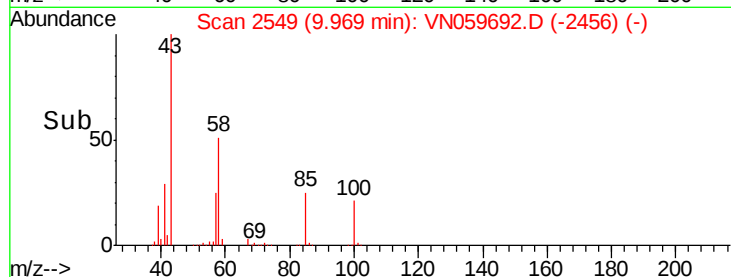
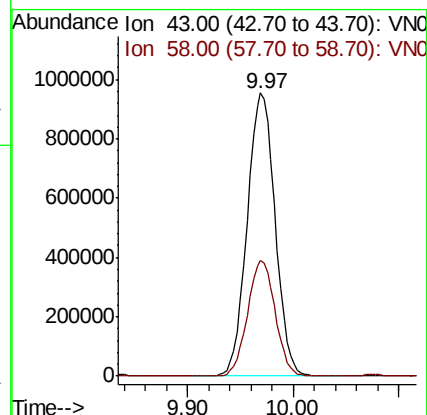
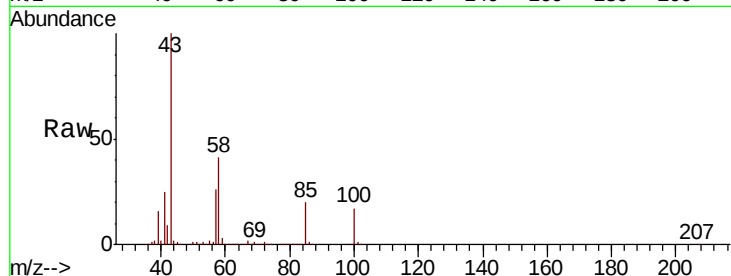
BFB

Tot Ion: 43 Resp: 1754216

Ion Ratio Lower Upper

43 100

58 40.5 29.8 44.8



#52

Toluene

Concen: 125.742 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059692.D

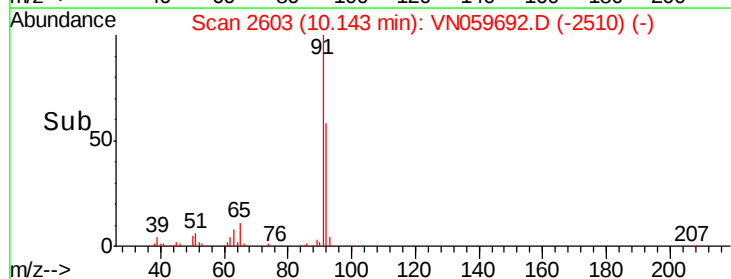
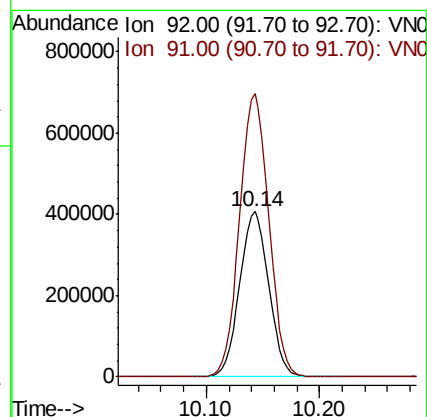
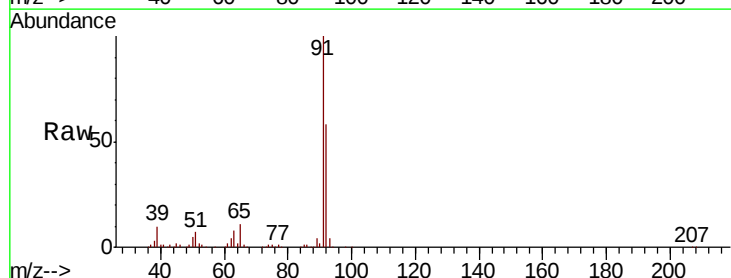
Acq: 13 Jan 2020 15:40

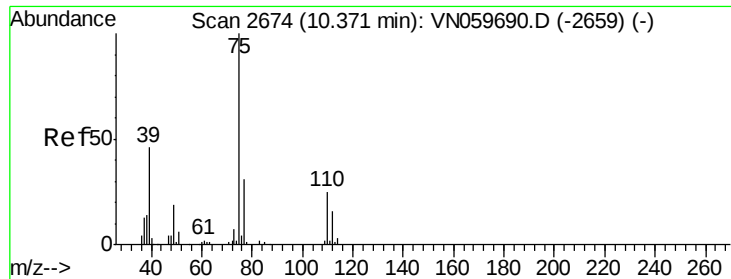
Tgt Ion: 92 Resp: 726929

Ion Ratio Lower Upper

92 100

91 173.0 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 121.789 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

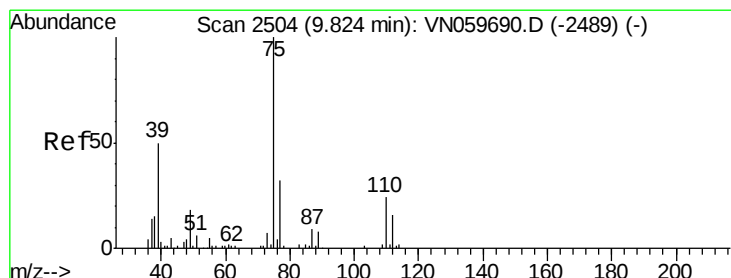
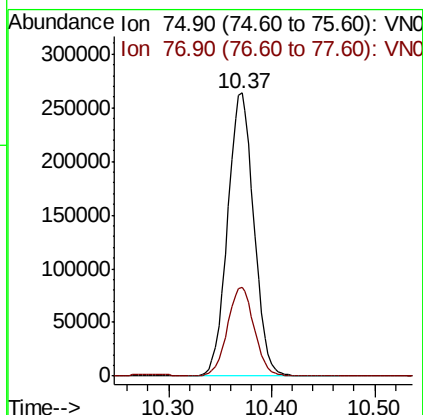
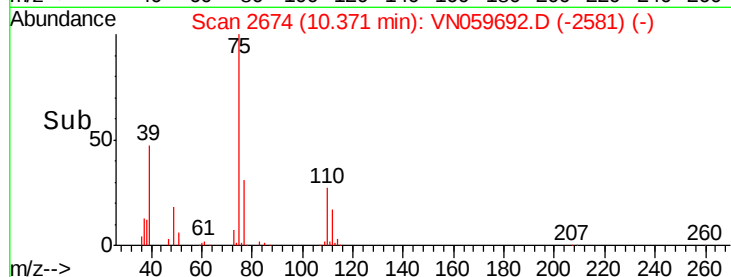
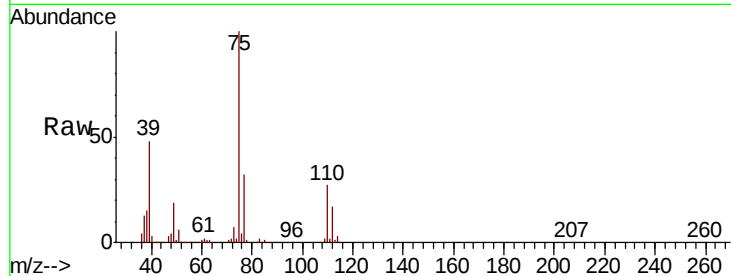
BFB

Tot Ion: 75 Resp: 467446

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 121.117 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

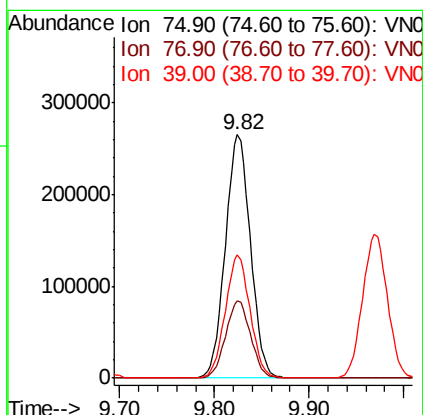
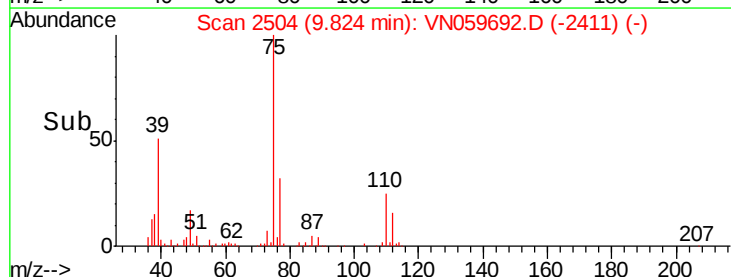
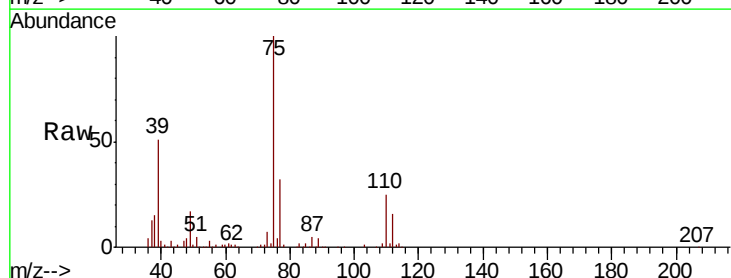
Tgt Ion: 75 Resp: 488649

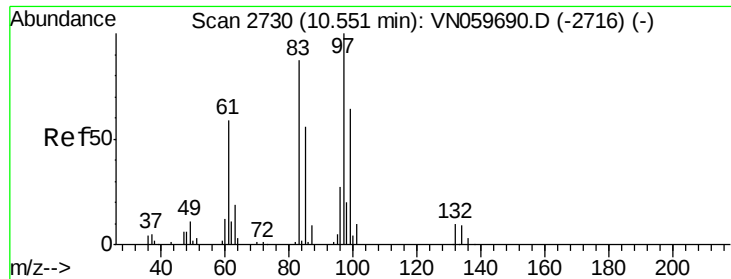
Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

39 50.5 46.1 69.1

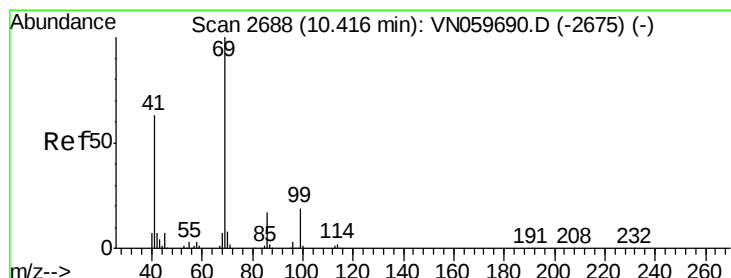
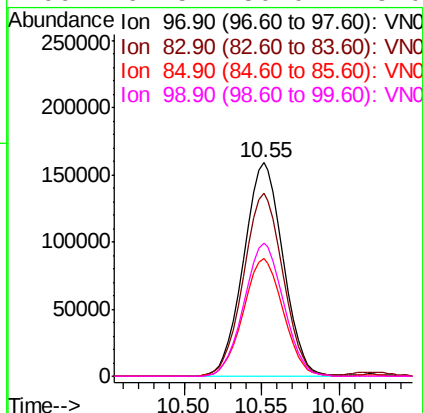
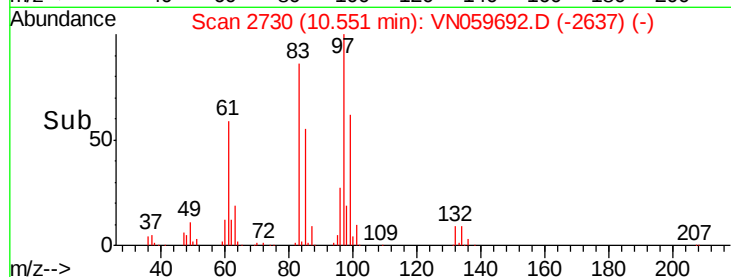
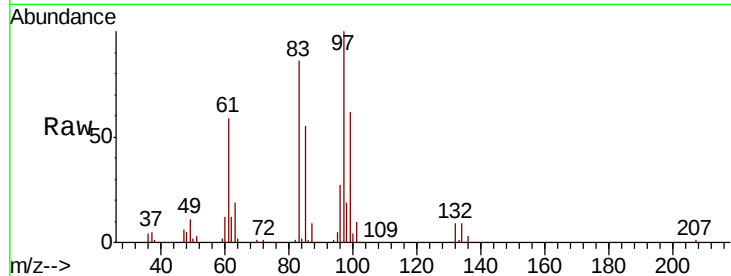




#55
 1,1,2-Trichloroethane
 Concen: 124.464 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

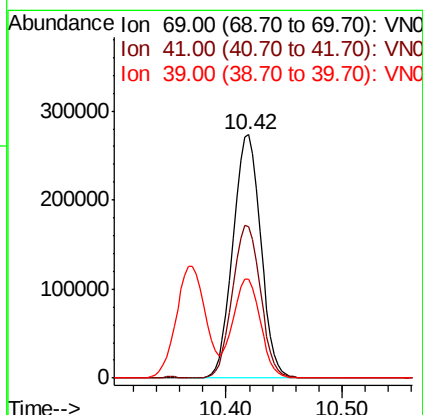
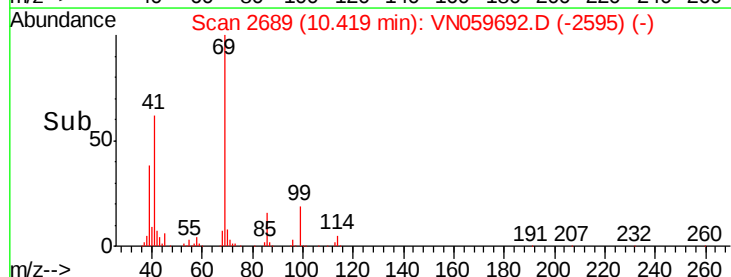
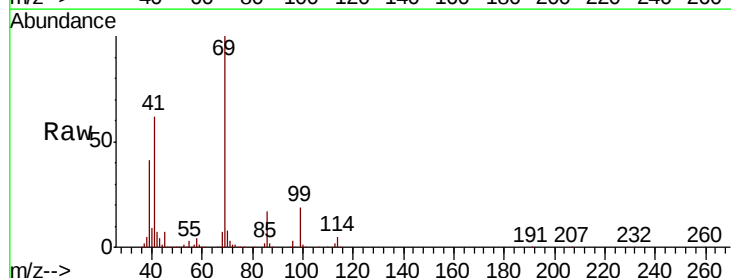
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tot Ion:	97	Resp:	282349
Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.3	106.9
85	55.0	45.8	68.8
99	62.5	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 134.473 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion:	69	Resp:	452866
Ion	Ratio	Lower	Upper
69	100		
41	63.0	57.1	85.7
39	40.7	34.7	52.1

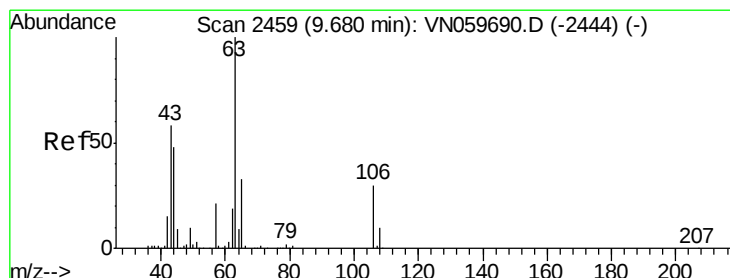
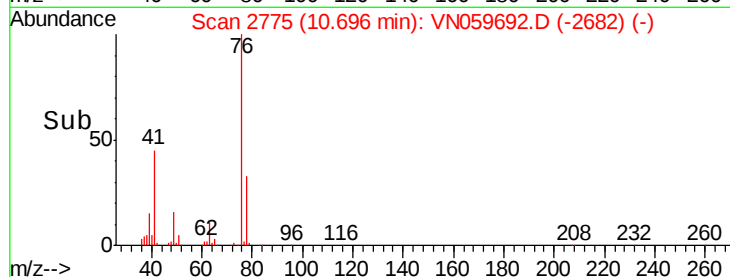
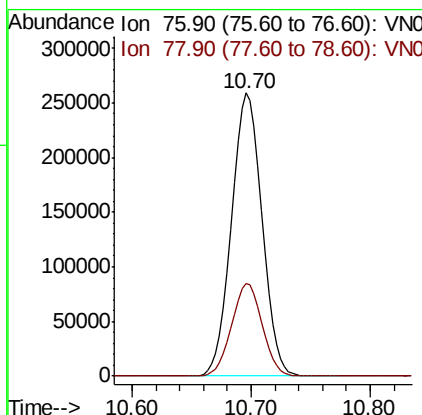
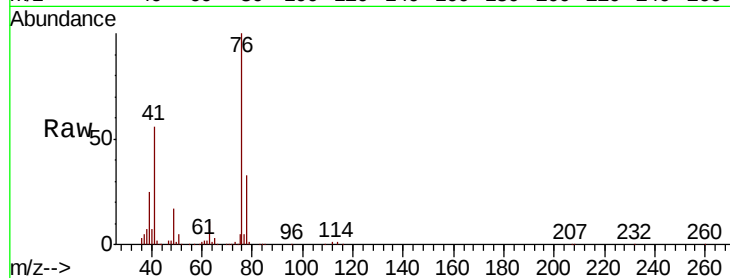




#57
 1,3-Dichloropropane
 Concen: 116.775 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

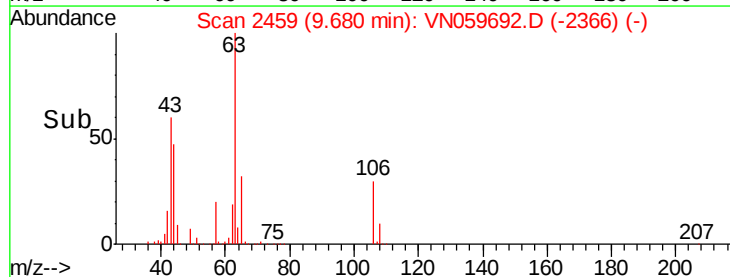
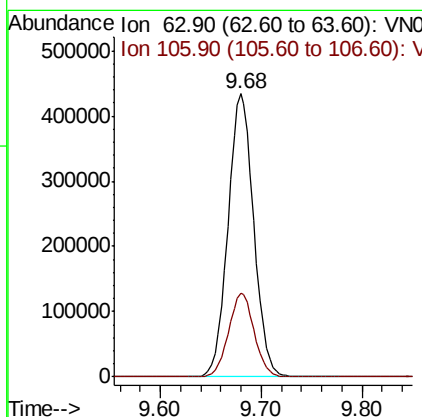
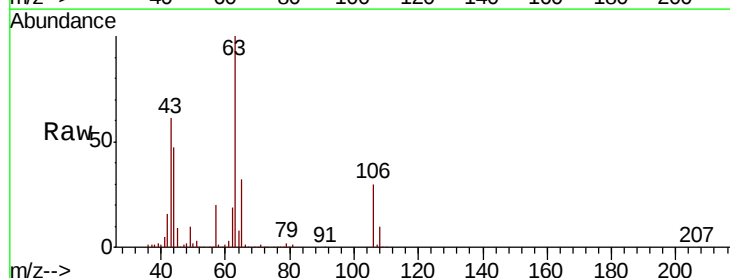
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

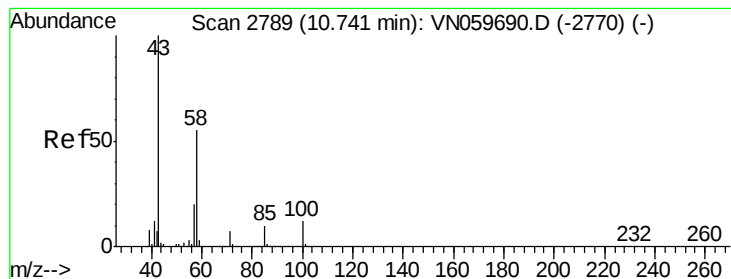
Tot Ion: 76 Resp: 461243
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 717.561 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion: 63 Resp: 768556
 Ion Ratio Lower Upper
 63 100
 106 29.5 20.2 30.2





#59

2-Hexanone

Concen: 486.972 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

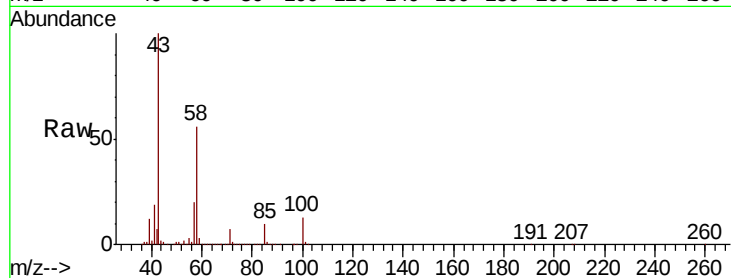
BFB

Tot Ion: 43 Resp: 1331281

Ion Ratio Lower Upper

43 100

58 55.7 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN059692.D (-2770) (-)

Ion 58.00 (57.70 to 58.70): VN059692.D (-2770) (-)

10.74

800000

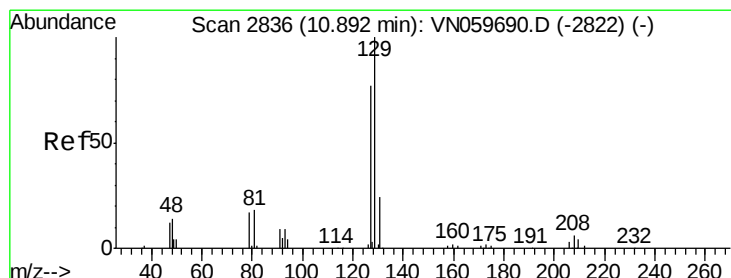
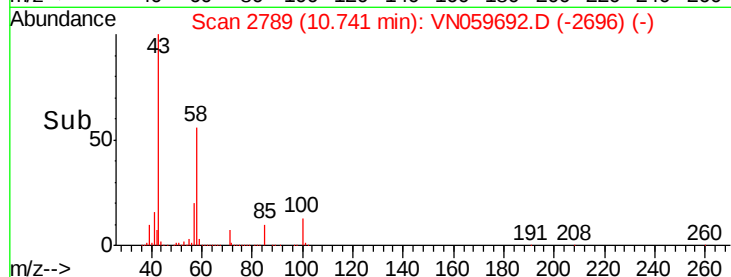
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 135.696 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN059692.D

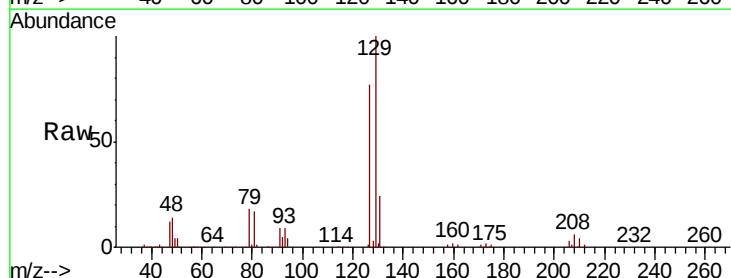
Acq: 13 Jan 2020 15:40

Tgt Ion: 129 Resp: 335969

Ion Ratio Lower Upper

129 100

127 77.6 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN059692.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN059692.D (-2822) (-)

10.89

200000

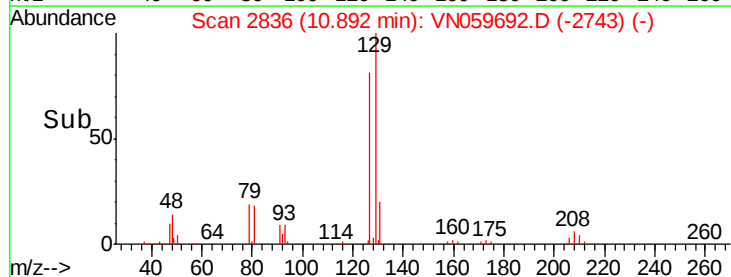
150000

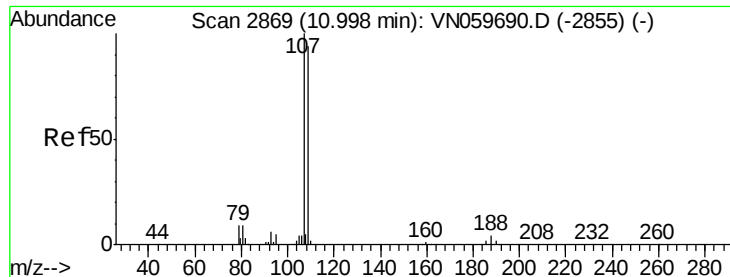
100000

50000

0

Time-->

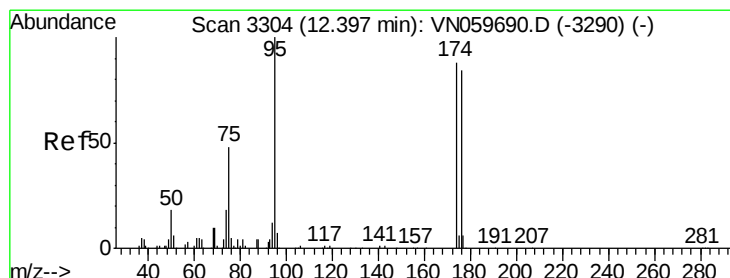
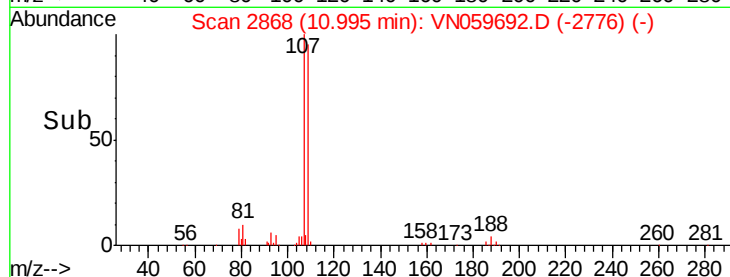
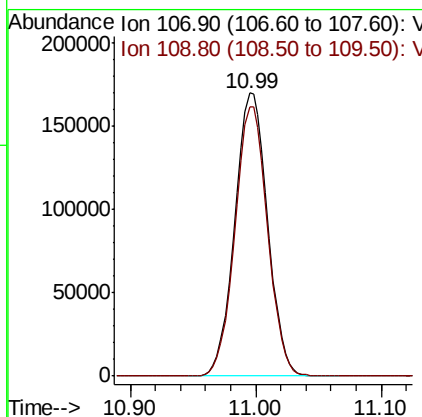
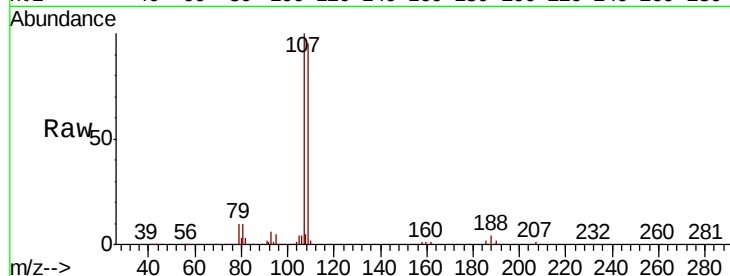




#61
 1,2-Dibromoethane
 Concen: 128.098 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

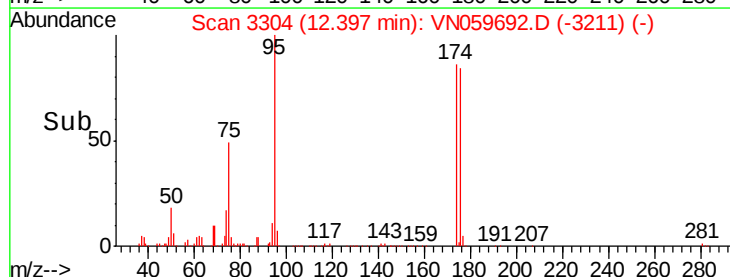
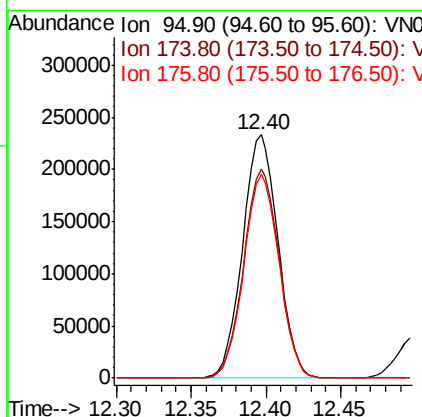
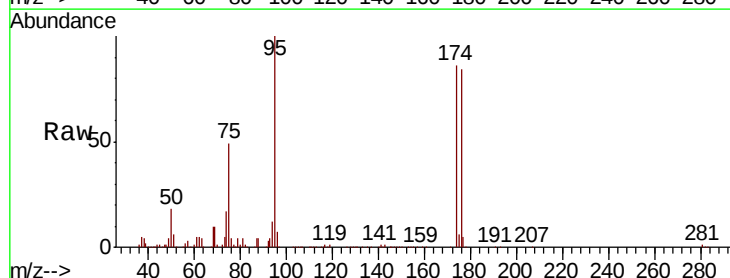
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

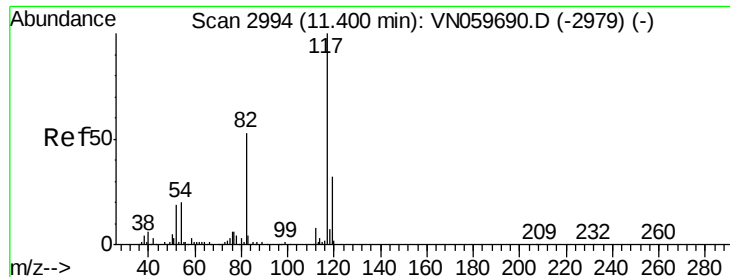
Tot Ion:107 Resp: 308189
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 137.702 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion: 95 Resp: 384268
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 151.4
 176 83.5 0.0 146.0

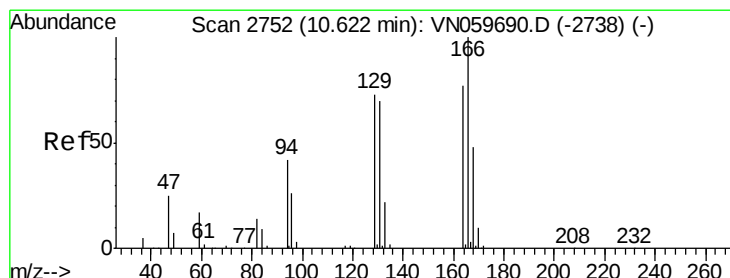
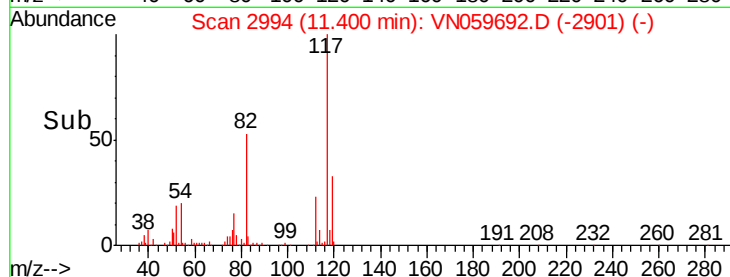
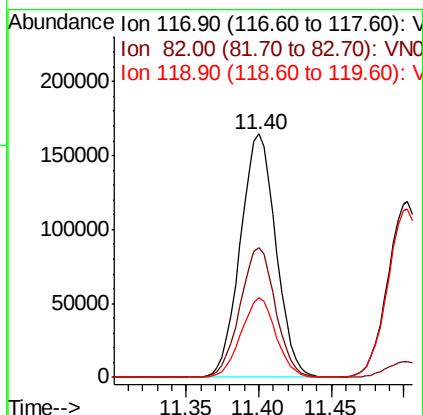
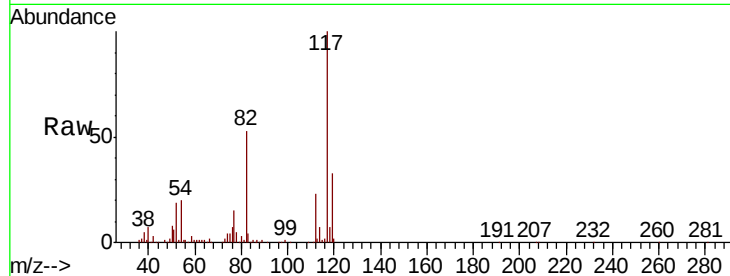




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

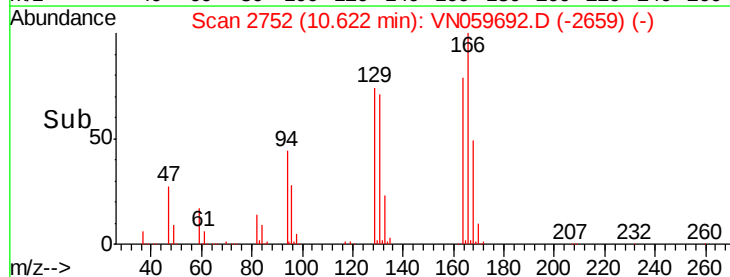
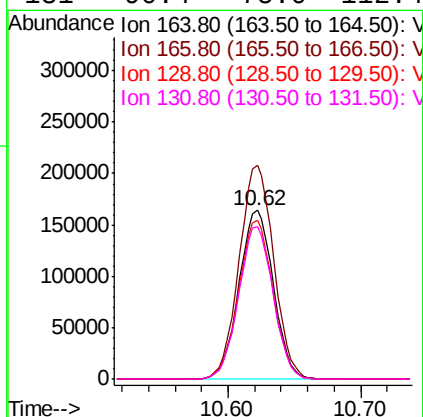
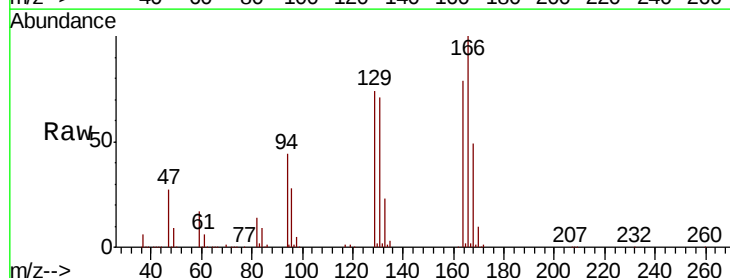
Instrument :
MSVOA_N
ClientSampled :
BFB

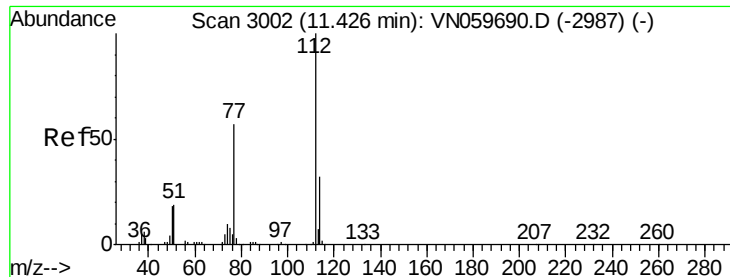
Tot Ion:117 Resp: 281297
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 112.364 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion:164 Resp: 294646
Ion Ratio Lower Upper
164 100
166 126.6 101.4 152.0
129 94.0 80.2 120.4
131 90.4 75.0 112.4

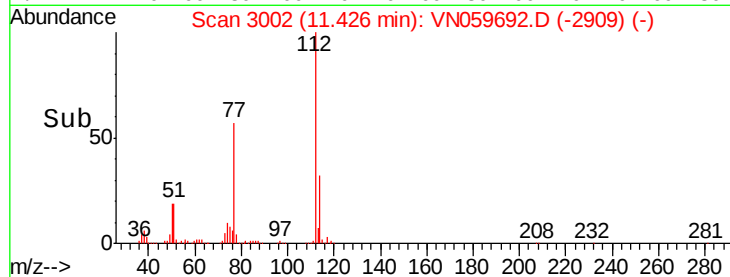
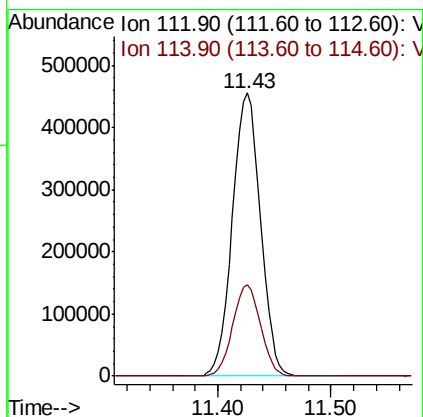
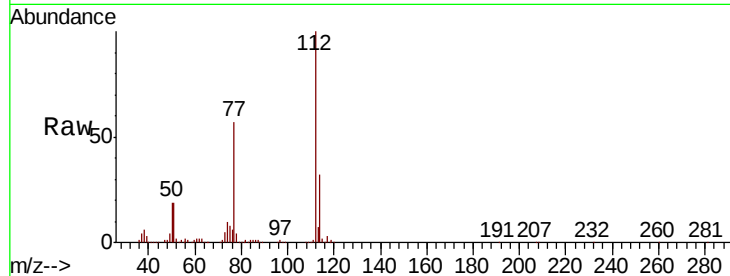




#65
Chlorobenzene
Concen: 129.333 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

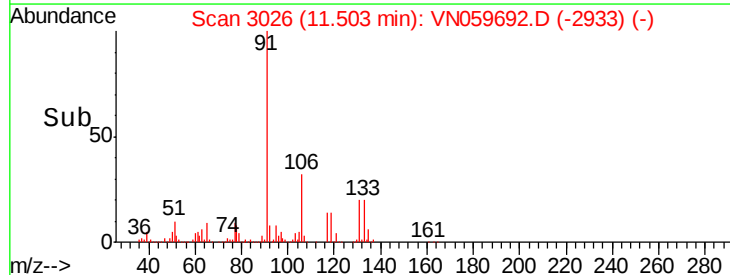
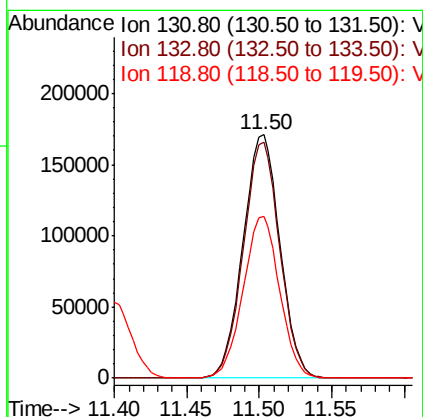
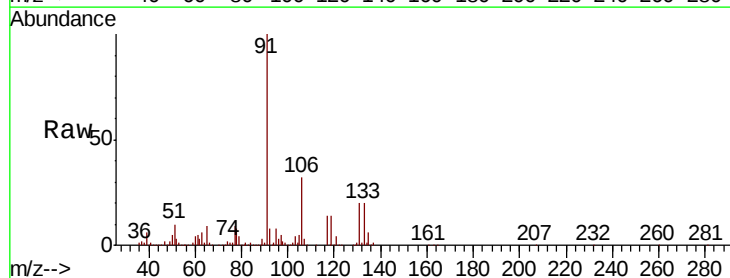
Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:112 Resp: 787193
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 131.195 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion:131 Resp: 303310
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.2
119 65.6 33.1 99.3

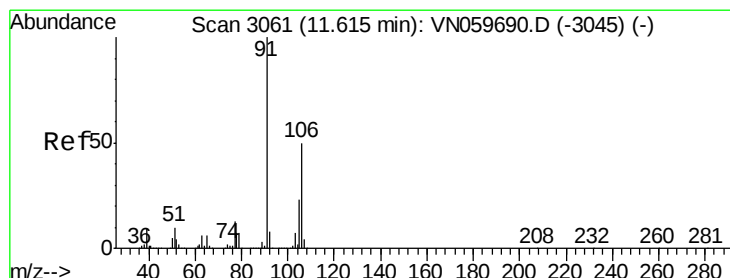
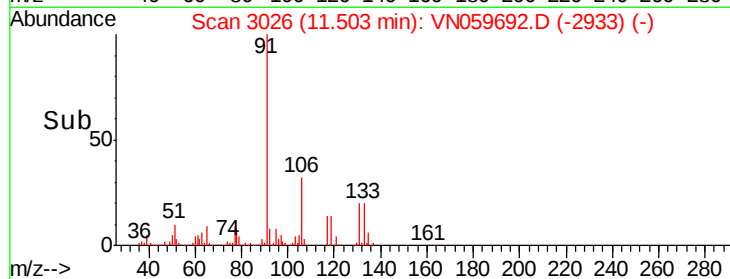
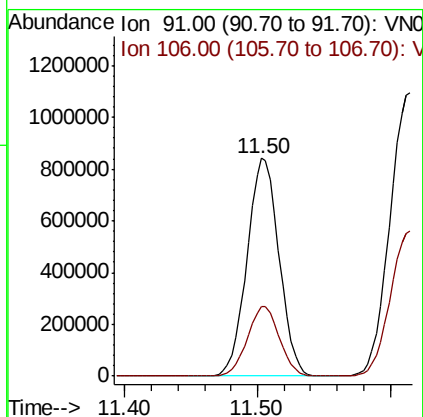
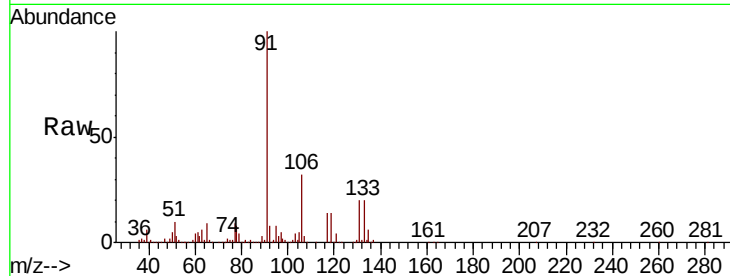




#67
Ethyl Benzene
Concen: 128.002 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

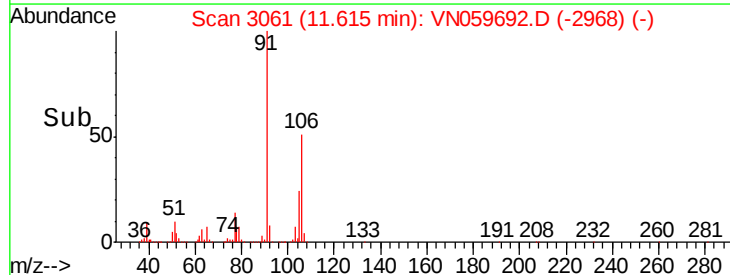
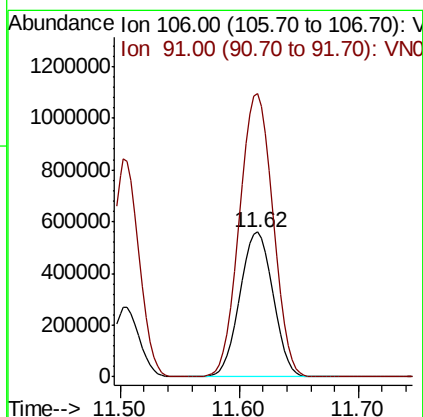
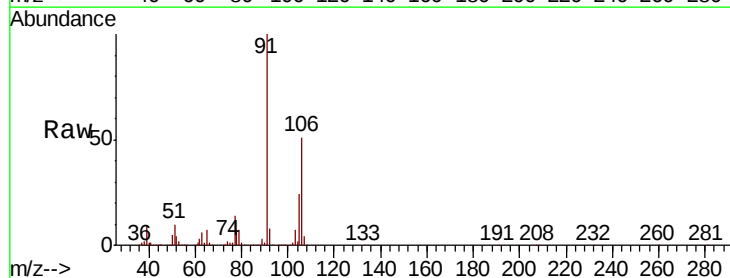
Instrument :
MSVOA_N
ClientSampleId :
BFB

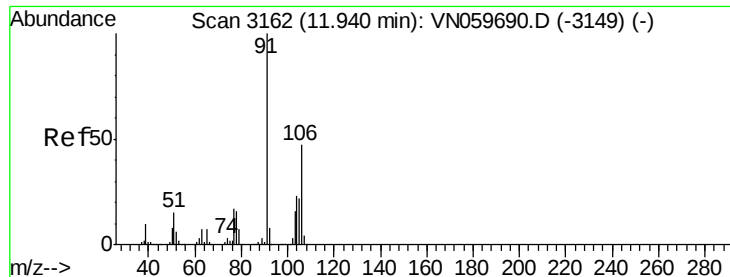
Tot Ion: 91 Resp: 1406296
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1



#68
m/p-Xylenes
Concen: 266.715 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion: 106 Resp: 1082055
Ion Ratio Lower Upper
106 100
91 197.8 167.9 251.9

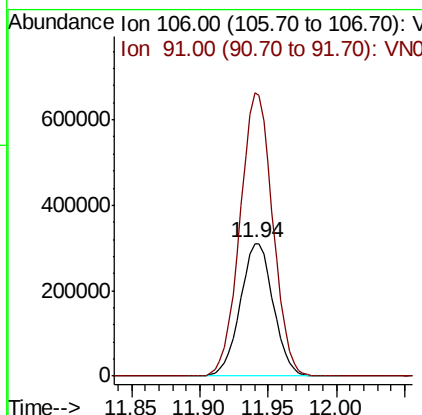
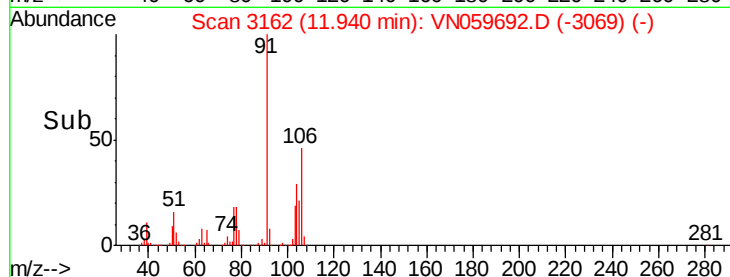
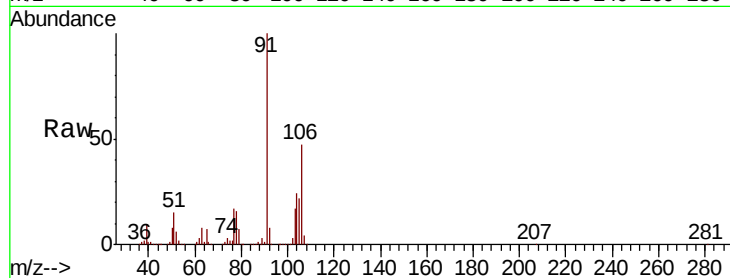




#69
o-Xylene
Concen: 135.022 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

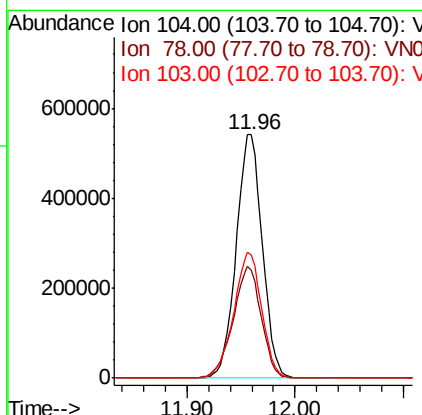
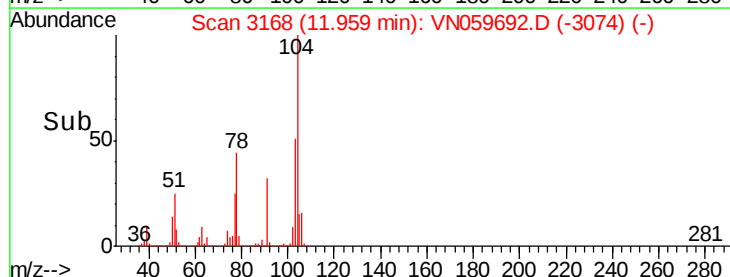
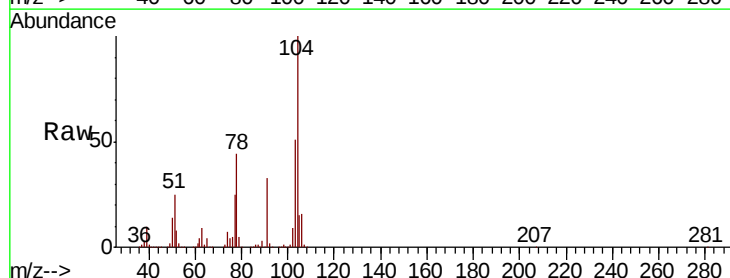
Instrument :
MSVOA_N
ClientSampleId :
BFB

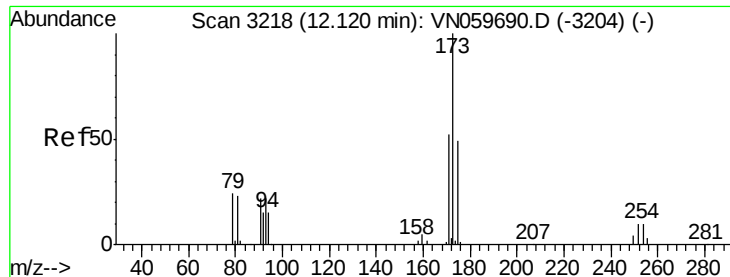
Tot Ion:106 Resp: 521217
Ion Ratio Lower Upper
106 100
91 212.0 110.3 330.9



#70
Styrene
Concen: 147.422 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059692.D
Acq: 13 Jan 2020 15:40

Tgt Ion:104 Resp: 914343
Ion Ratio Lower Upper
104 100
78 49.3 42.4 63.6
103 55.1 43.9 65.9





#71

Bromoform

Concen: 151.425 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

BFB

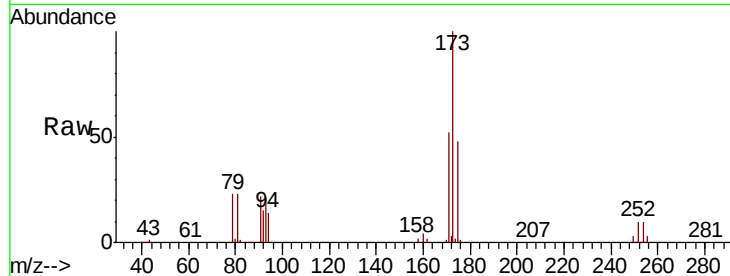
Tot Ion:173 Resp: 263153

Ion Ratio Lower Upper

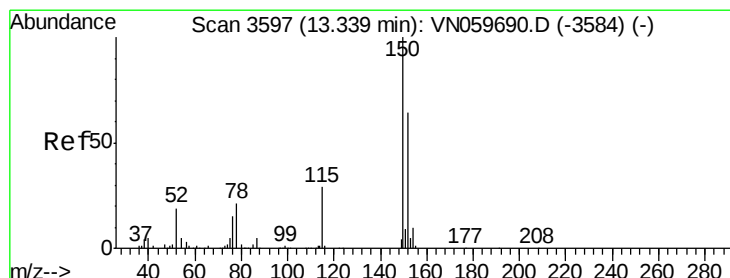
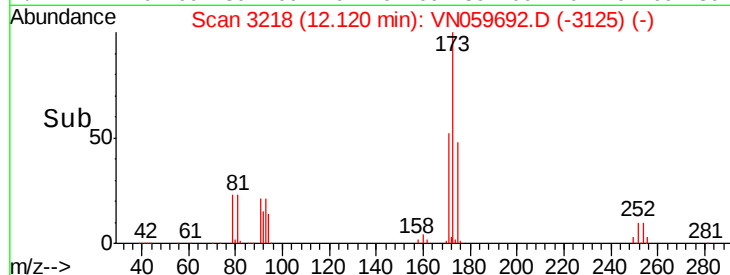
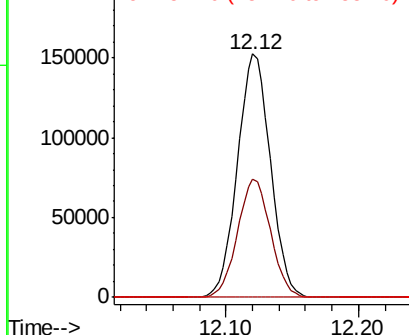
173 100

175 48.7 23.8 71.4

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

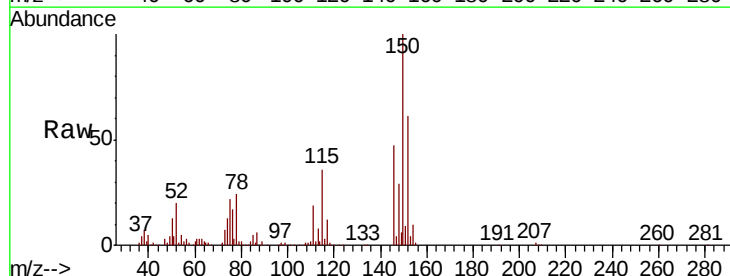
Tgt Ion:152 Resp: 142685

Ion Ratio Lower Upper

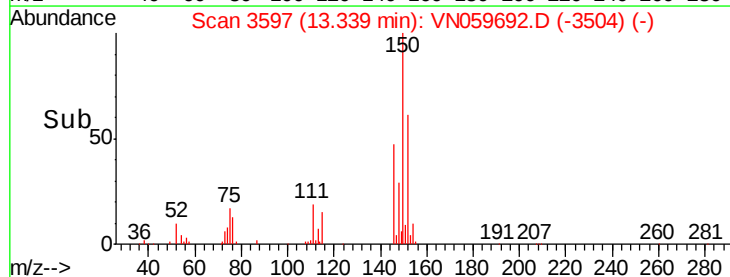
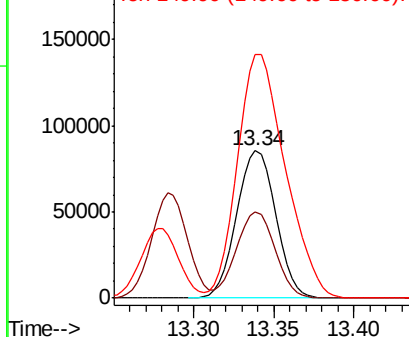
152 100

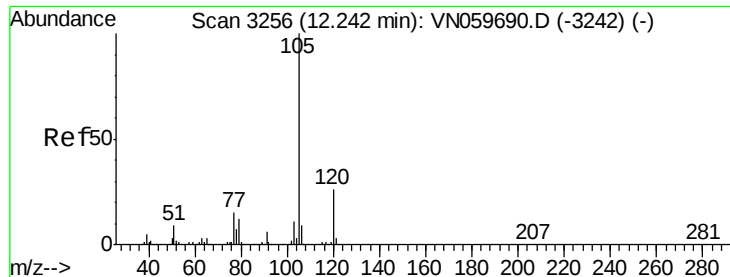
115 57.6 30.3 90.9

150 202.7 0.0 345.2



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: 124.461 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

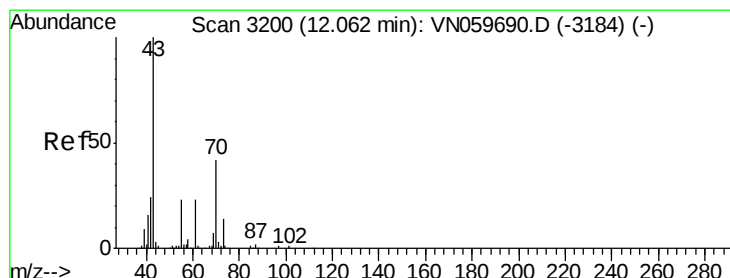
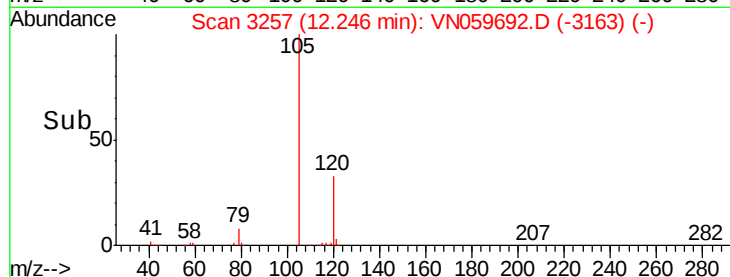
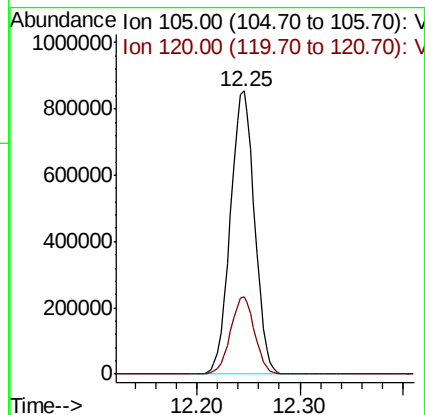
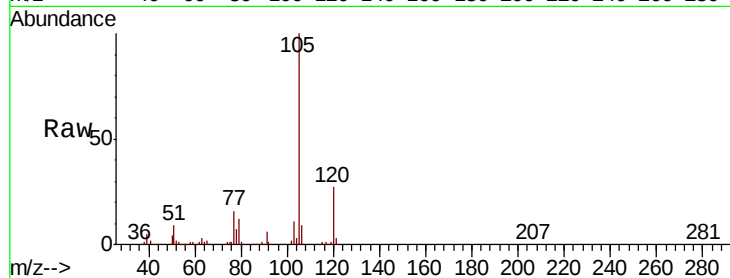
BFB

Tot Ion:105 Resp: 1394061

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5



#74

N-ethyl acetate

Concen: 110.413 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Tgt Ion: 43 Resp: 567290

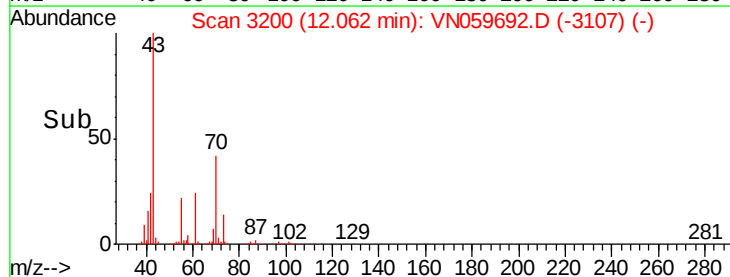
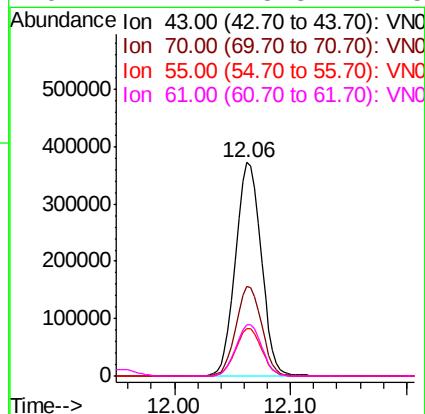
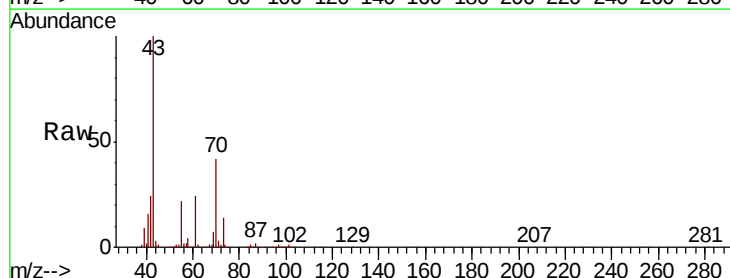
Ion Ratio Lower Upper

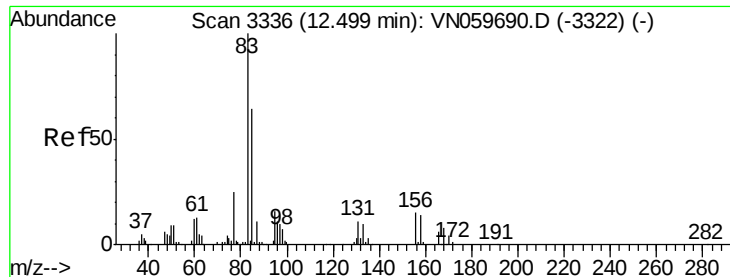
43 100

70 42.1 31.3 46.9

55 22.5 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 116.113 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

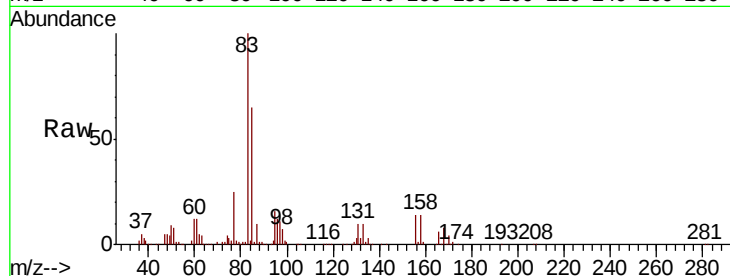
Tot Ion: 83 Resp: 412555

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

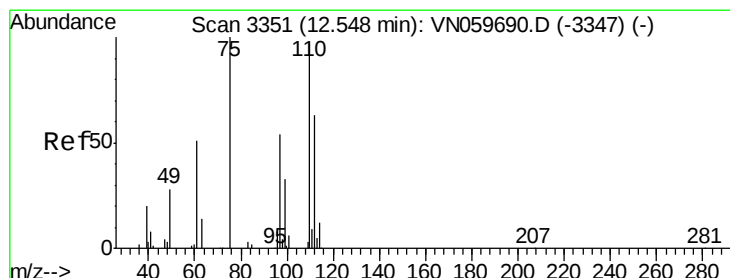
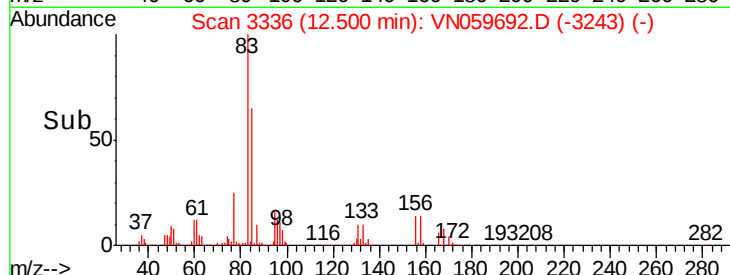
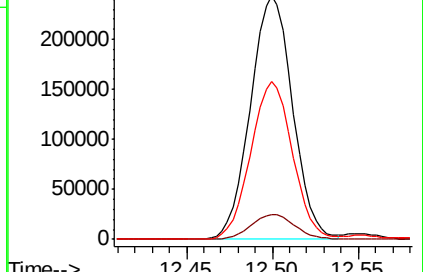
85 64.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059692.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059692.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059692.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 96.102 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059692.D

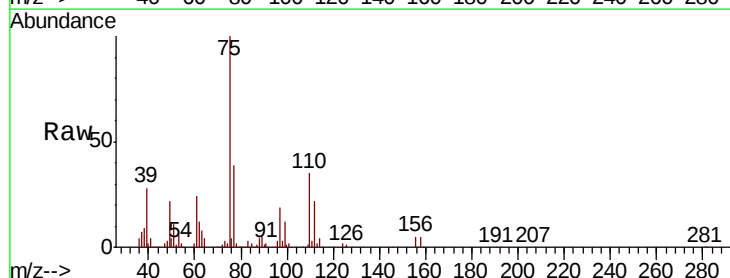
Acq: 13 Jan 2020 15:40

Tgt Ion: 75 Resp: 339455

Ion Ratio Lower Upper

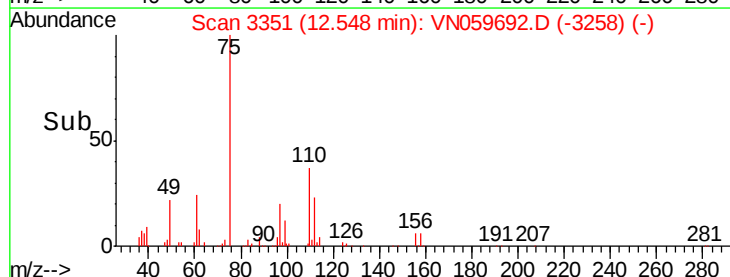
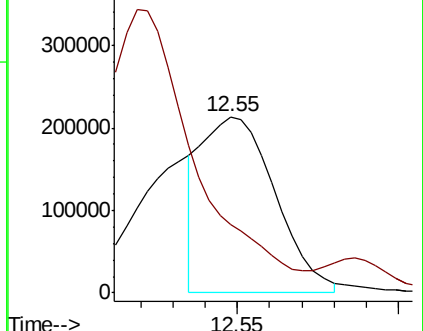
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059692.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN059692.D (-3351) (-)





#77

Bromobenzene

Concen: 130.515 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

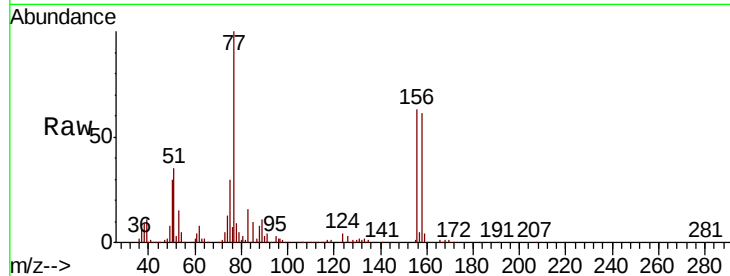
Tot Ion:156 Resp: 359511

Ion Ratio Lower Upper

156 100

77 193.5 115.8 347.4

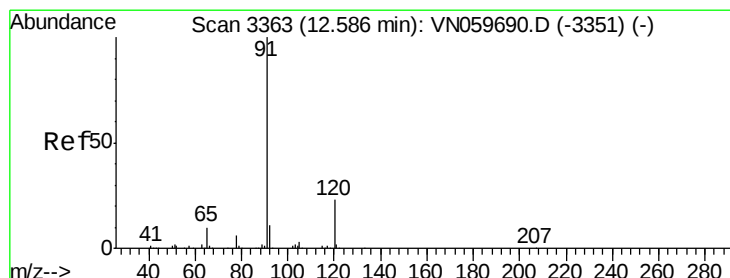
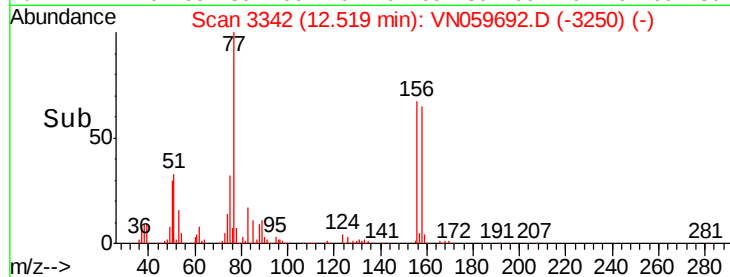
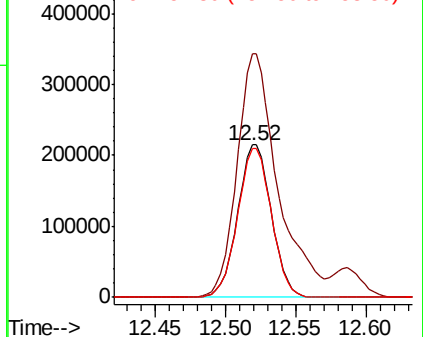
158 98.2 49.2 147.6



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: 121.528 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059692.D

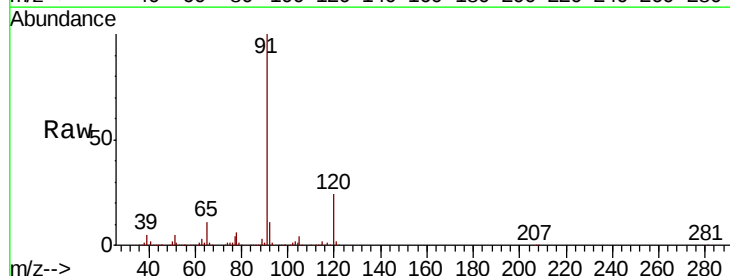
Acq: 13 Jan 2020 15:40

Tgt Ion: 91 Resp: 1609065

Ion Ratio Lower Upper

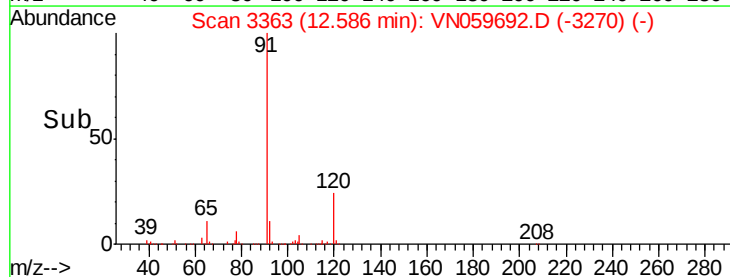
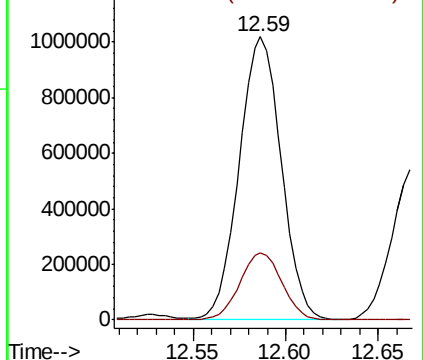
91 100

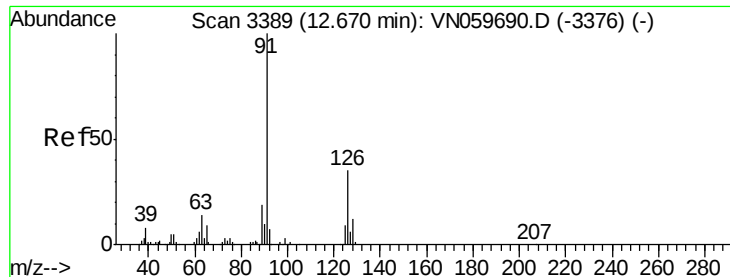
120 23.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 116.866 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

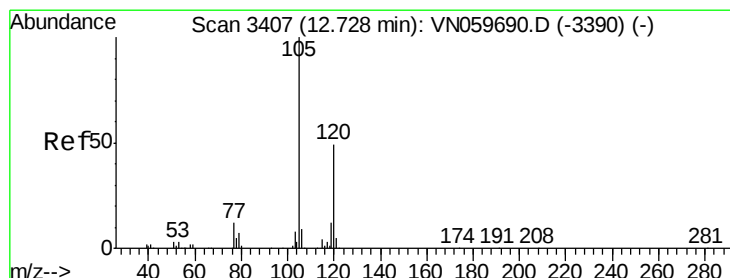
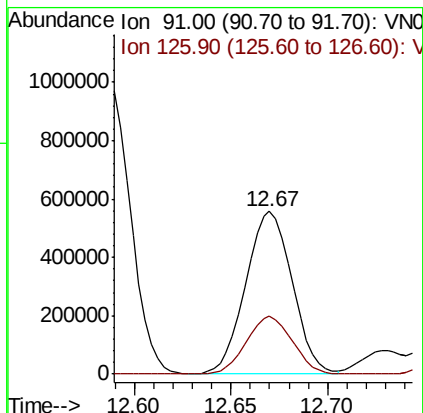
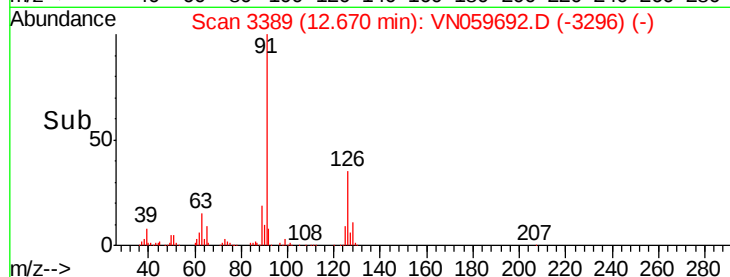
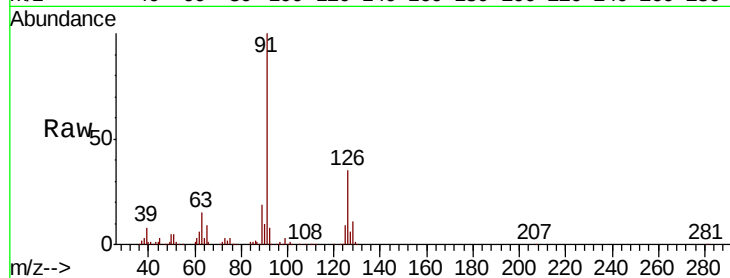
BFB

Tot Ion: 91 Resp: 935654

Ion Ratio Lower Upper

91 100

126 35.3 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 125.505 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059692.D

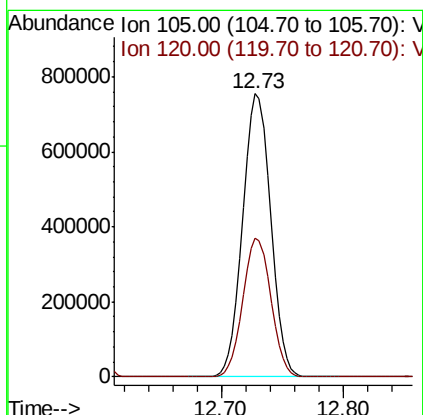
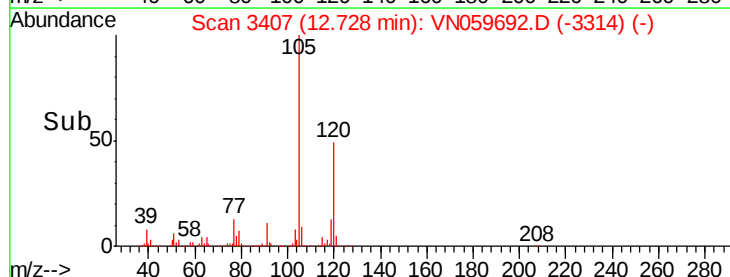
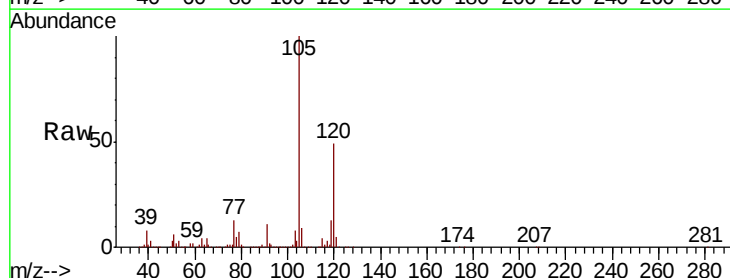
Acq: 13 Jan 2020 15:40

Tgt Ion:105 Resp: 1189624

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 112.808 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

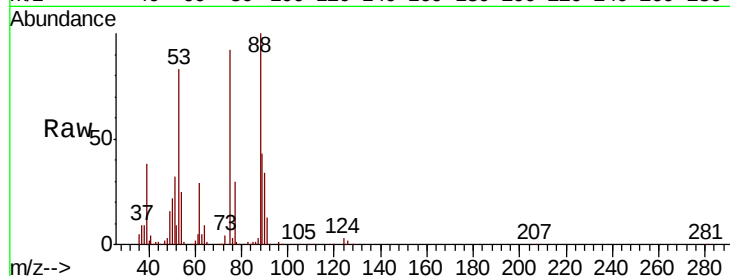
Tot Ion: 75 Resp: 161329

Ion Ratio Lower Upper

75 100

53 89.7 78.1 117.1

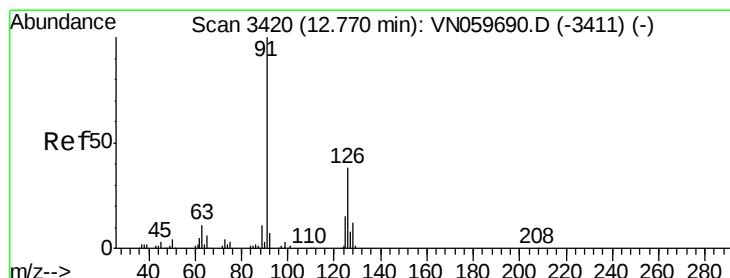
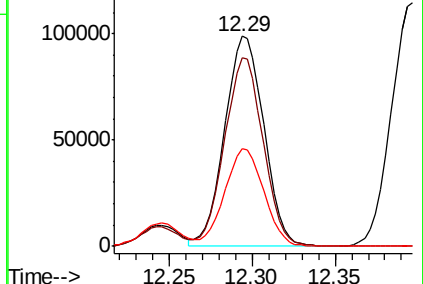
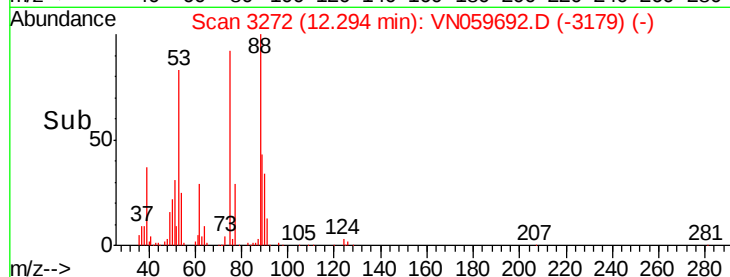
89 46.9 35.4 53.2



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: 119.727 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059692.D

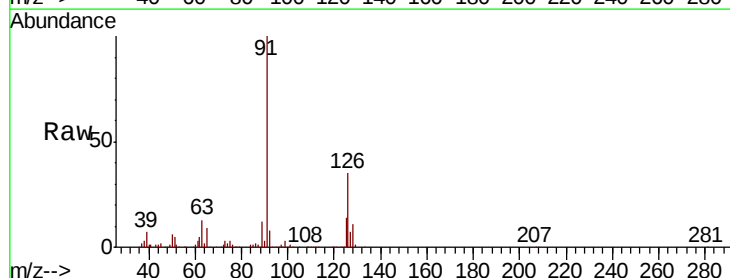
Acq: 13 Jan 2020 15:40

Tgt Ion: 91 Resp: 981452

Ion Ratio Lower Upper

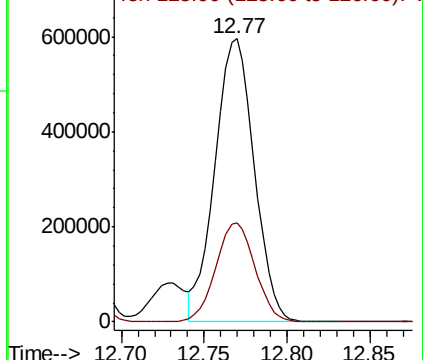
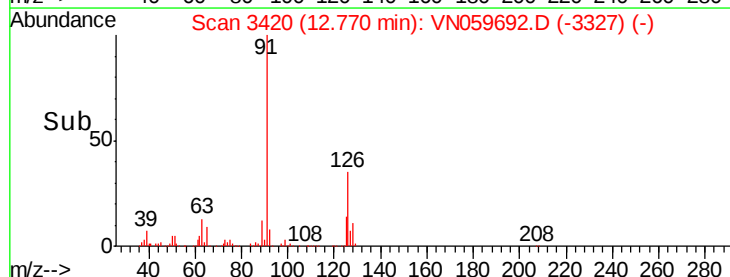
91 100

126 34.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 126.525 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

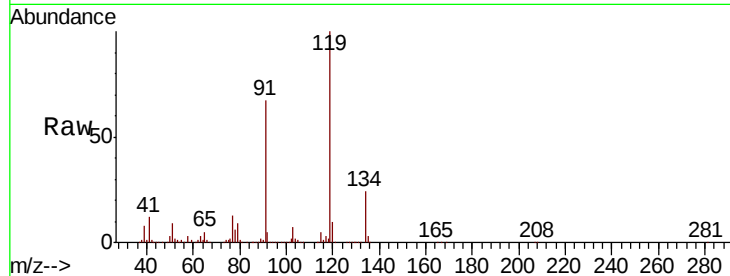
Tot Ion:119 Resp: 1015637

Ion Ratio Lower Upper

119 100

91 65.5 34.8 104.4

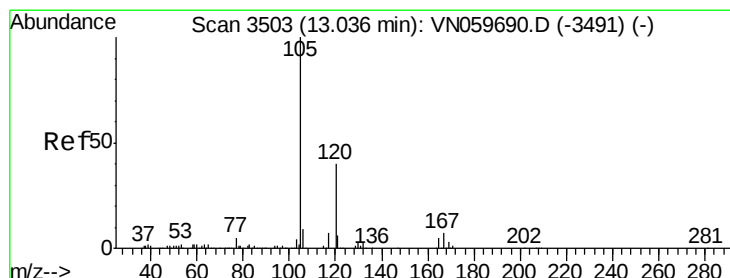
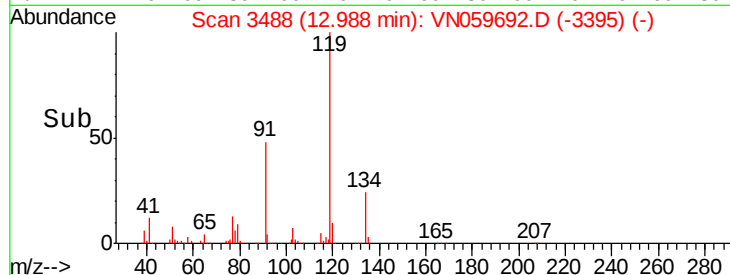
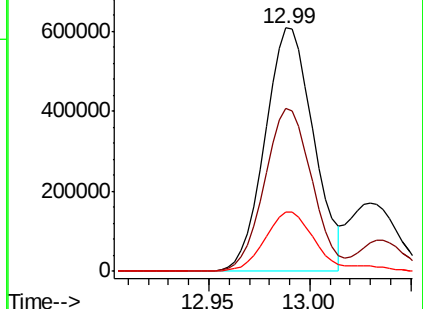
134 26.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 127.676 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059692.D

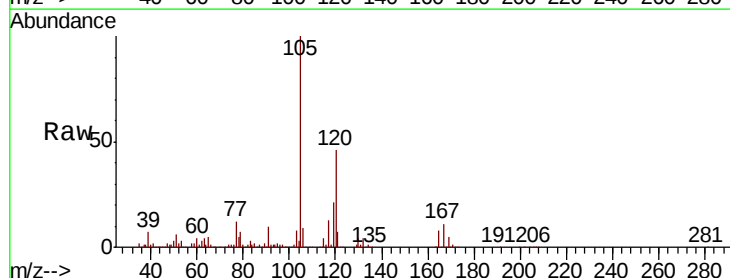
Acq: 13 Jan 2020 15:40

Tgt Ion:105 Resp: 1203361

Ion Ratio Lower Upper

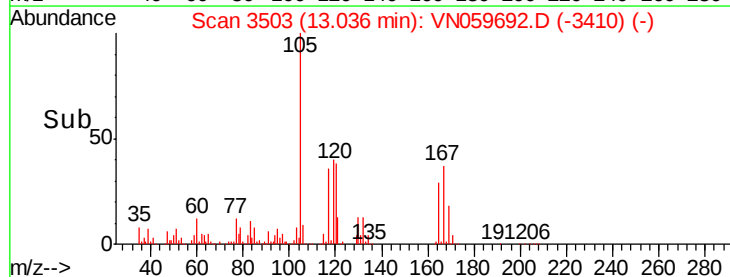
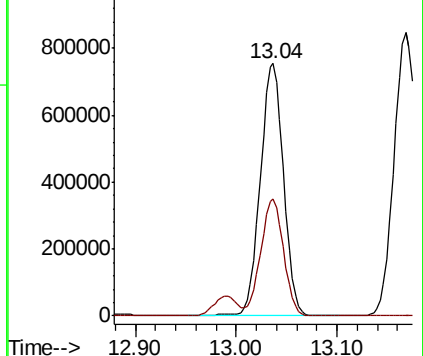
105 100

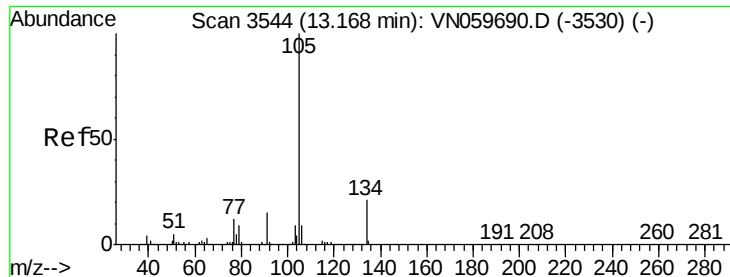
120 45.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 127.237 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

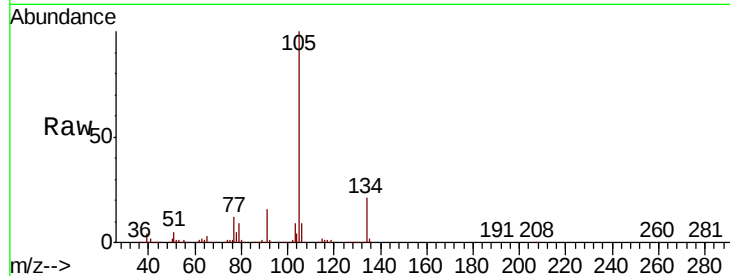
BFB

Tot Ion:105 Resp: 1358611

Ion Ratio Lower Upper

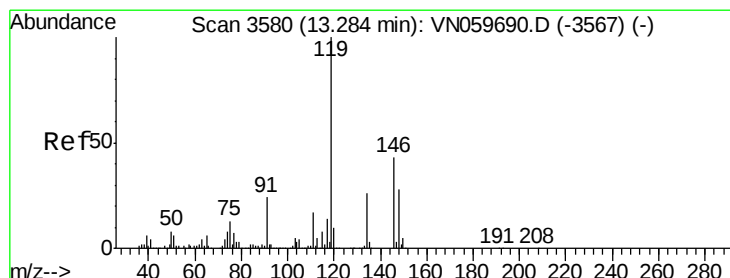
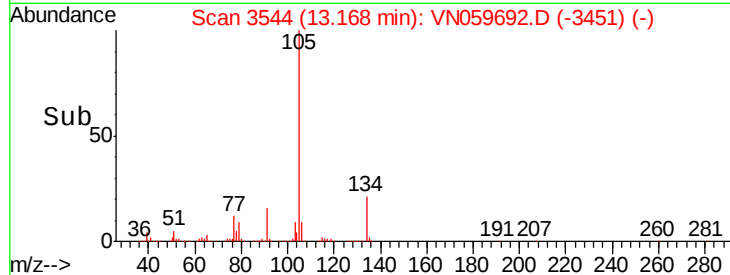
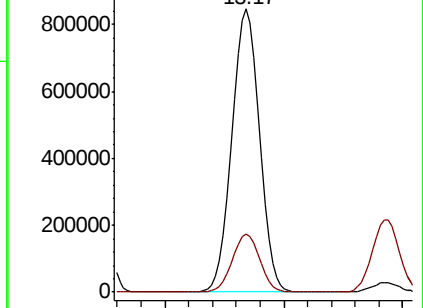
105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 131.067 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

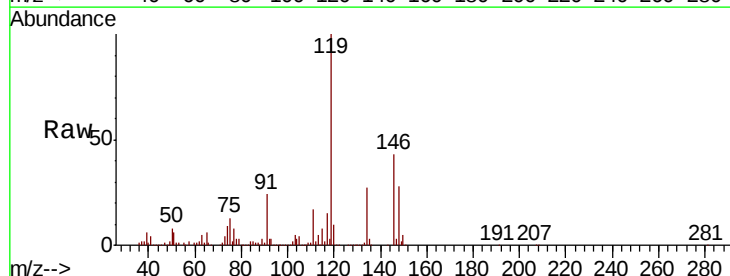
Tgt Ion:119 Resp: 1267532

Ion Ratio Lower Upper

119 100

134 27.1 12.9 38.7

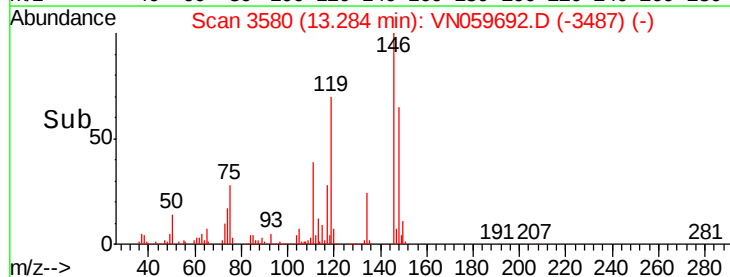
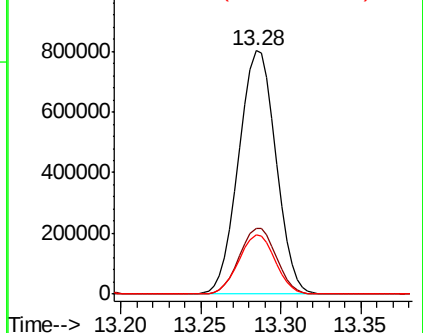
91 23.9 12.4 37.4



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

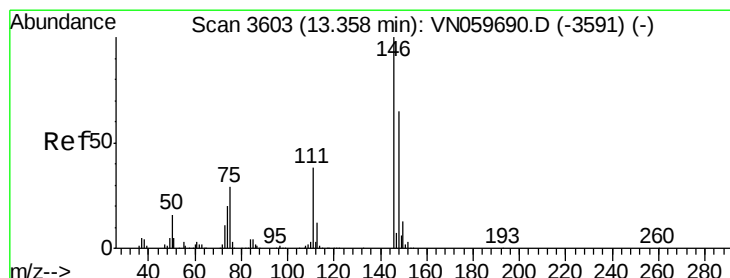
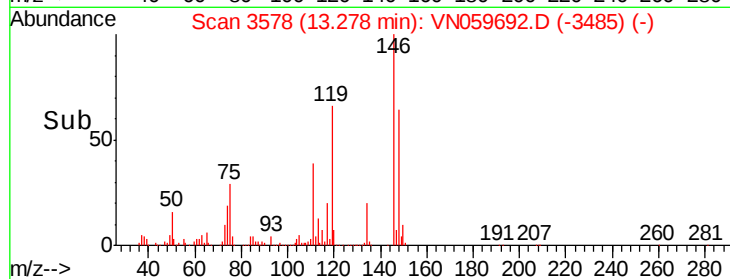
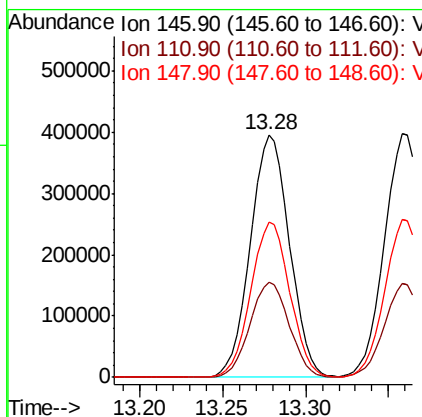
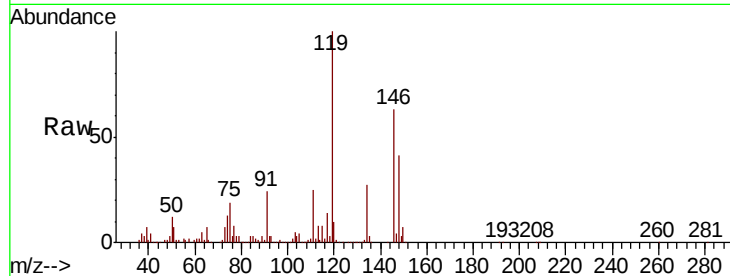




#87
 1,3-Dichlorobenzene
 Concen: 127.967 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

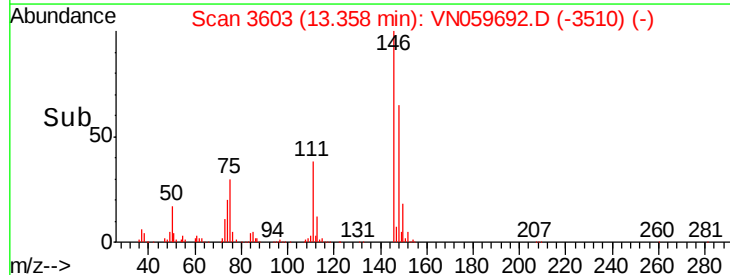
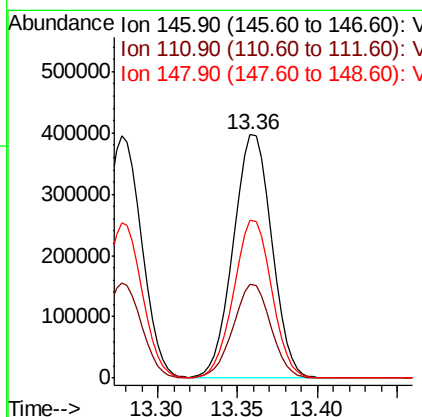
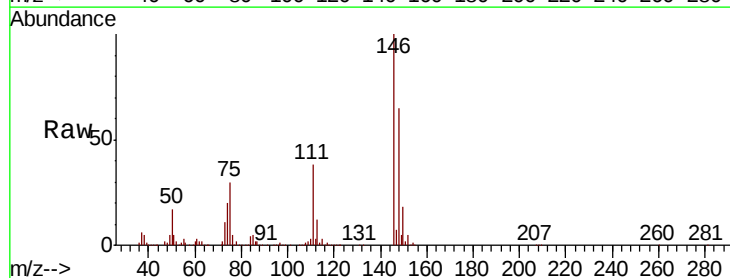
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

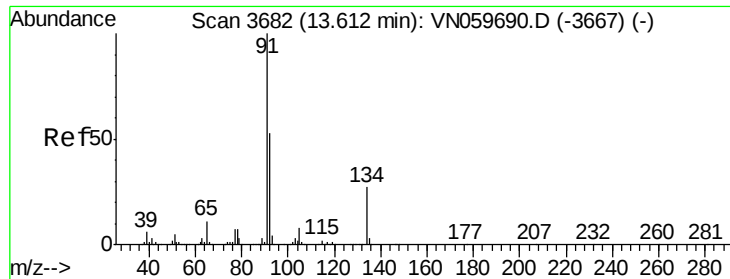
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	63.9	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 127.549 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.8	62.2
148	64.0	31.8	95.4





#89

n-Butylbenzene

Concen: 125.416 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

BFB

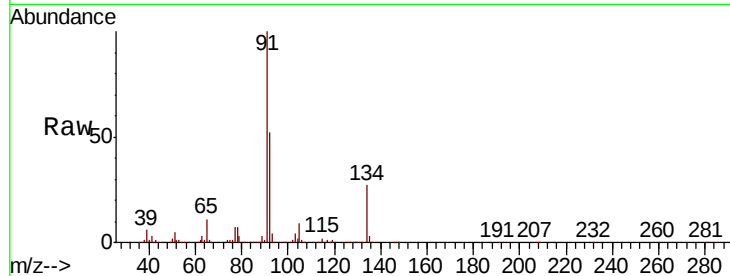
Tot Ion: 91 Resp: 1137124

Ion Ratio Lower Upper

91 100

92 52.4 25.9 77.7

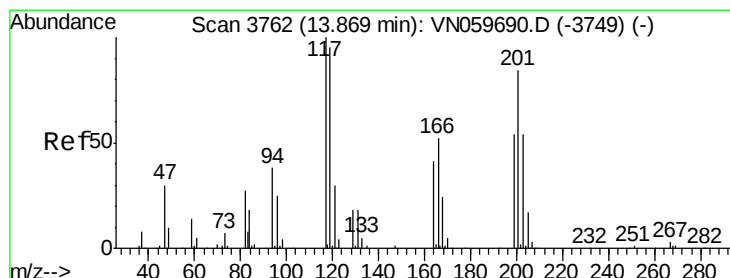
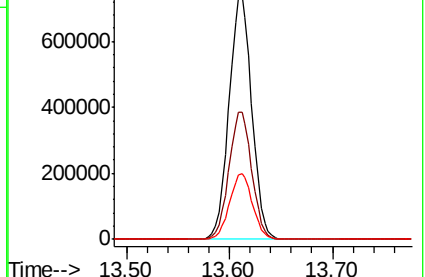
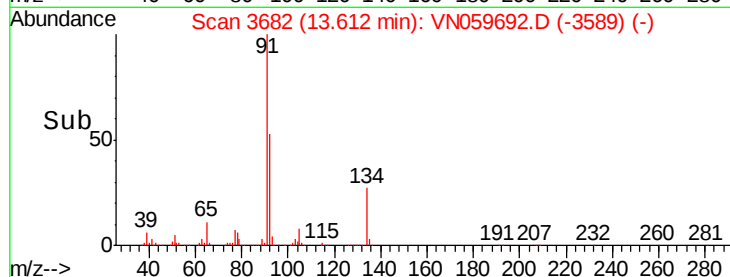
134 27.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059692.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN059692.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN059692.D (-3667) (-)



#90

Hexachloroethane

Concen: 132.609 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059692.D

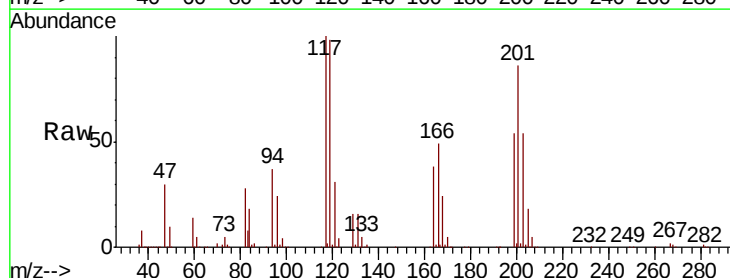
Acq: 13 Jan 2020 15:40

Tgt Ion: 117 Resp: 242411

Ion Ratio Lower Upper

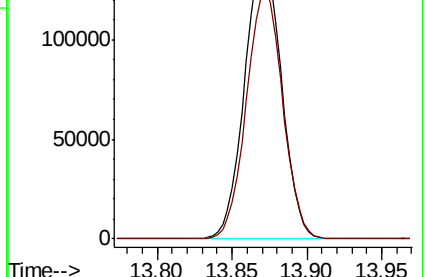
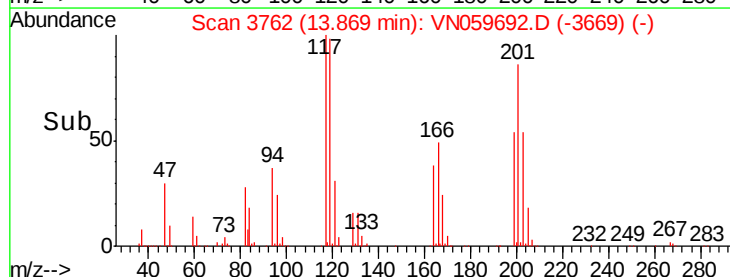
117 100

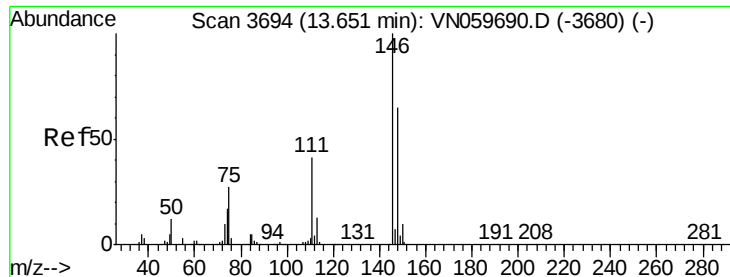
201 86.7 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059692.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059692.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 124.577 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

BFB

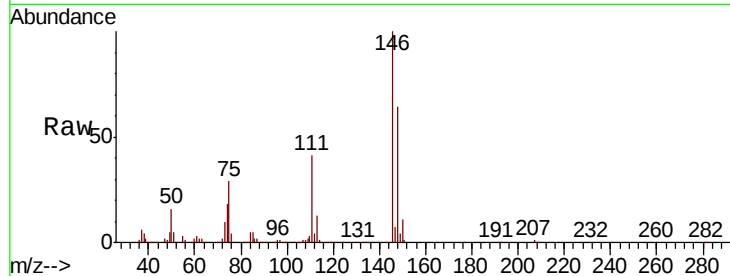
Tot Ion:146 Resp: 622295

Ion Ratio Lower Upper

146 100

111 40.5 21.6 64.8

148 64.2 31.6 95.0

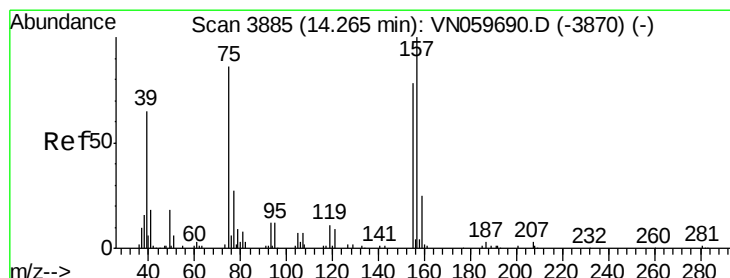
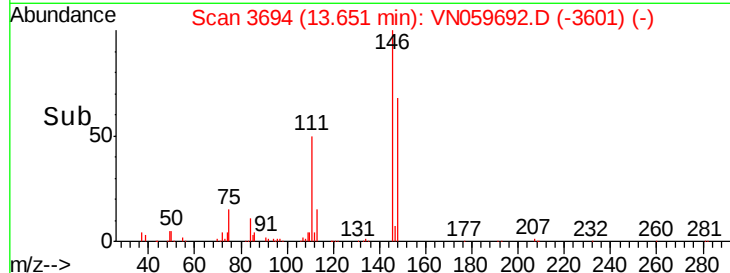
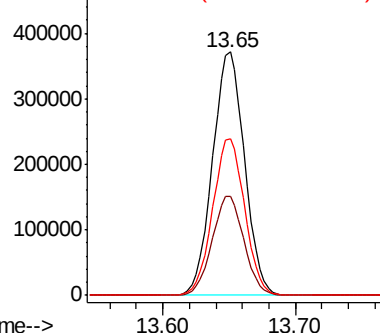


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 87.481 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

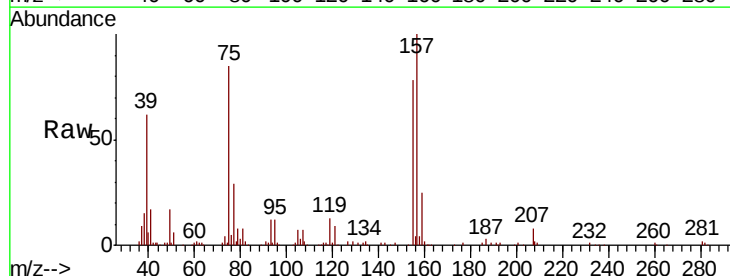
Tgt Ion: 75 Resp: 91519

Ion Ratio Lower Upper

75 100

155 91.0 37.0 110.9

157 117.1 48.4 145.2

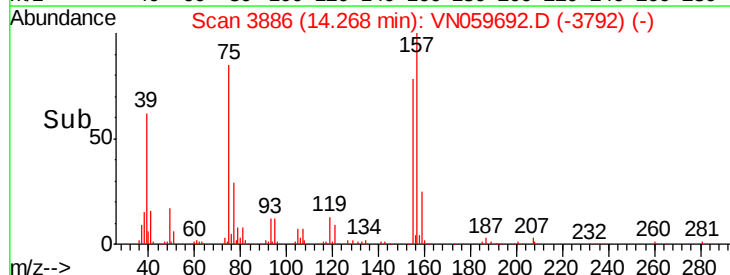
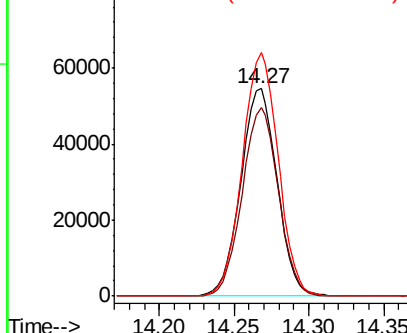


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

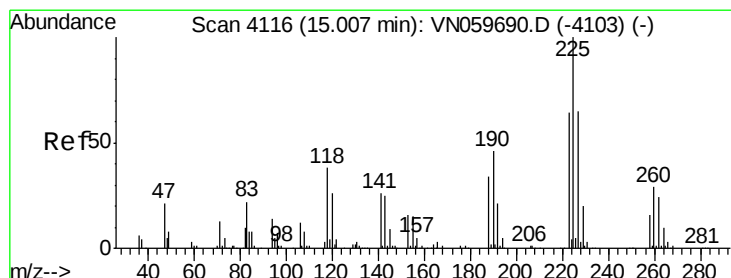
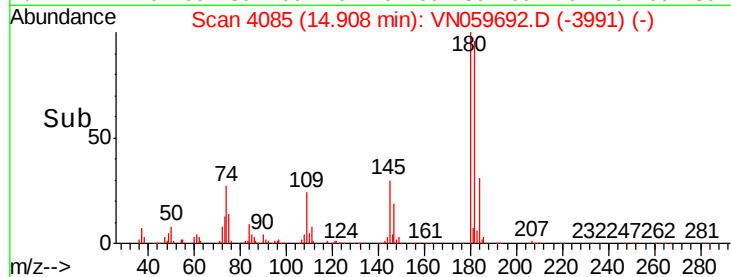
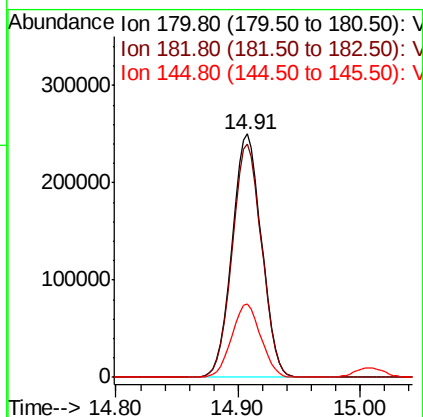
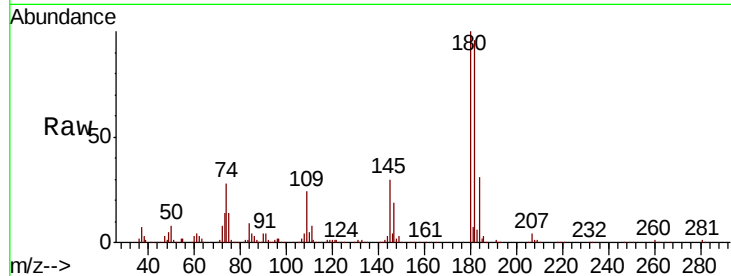




#93
 1,2,4-Trichlorobenzene
 Concen: 129.819 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

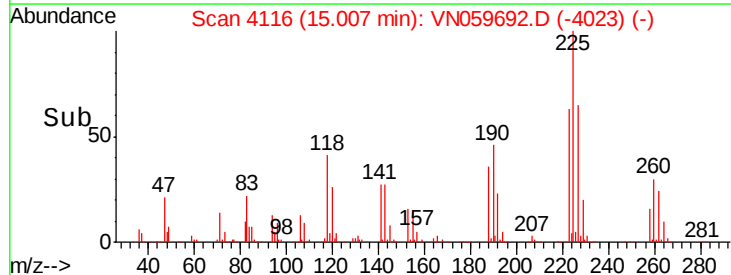
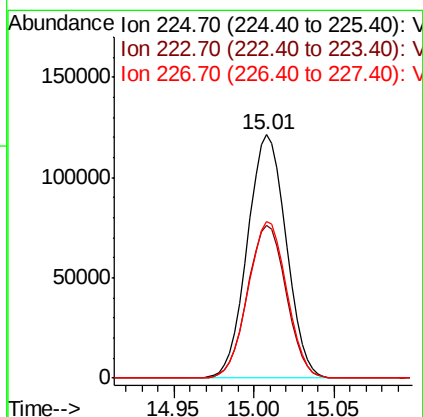
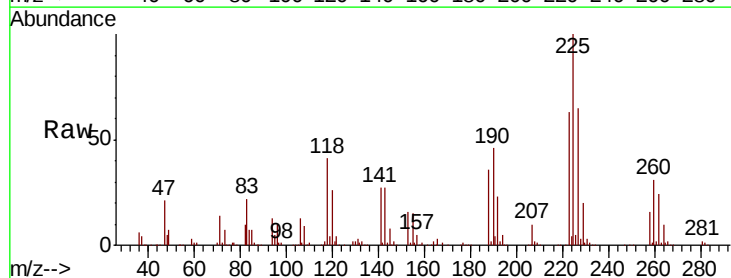
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

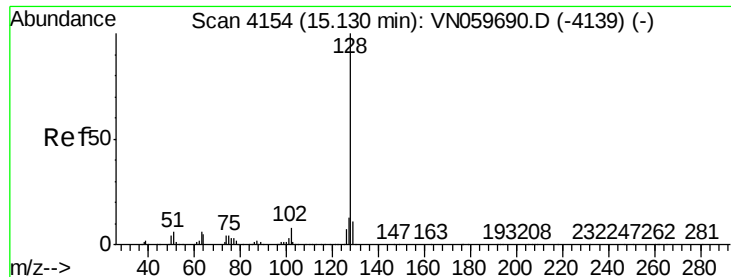
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.7
145	30.0	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 116.527 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059692.D
 Acq: 13 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.3	32.1	96.5





#95

Naphthalene

Concen: 127.056 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

BFB

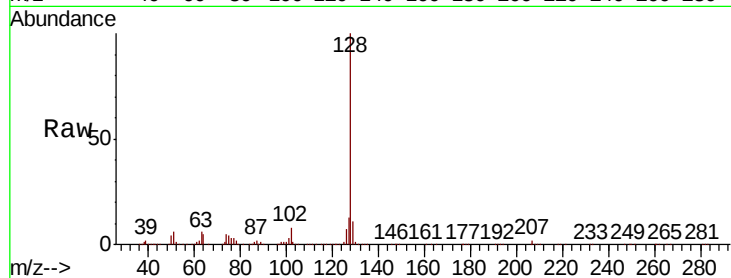
Tot Ion:128 Resp: 1223485

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

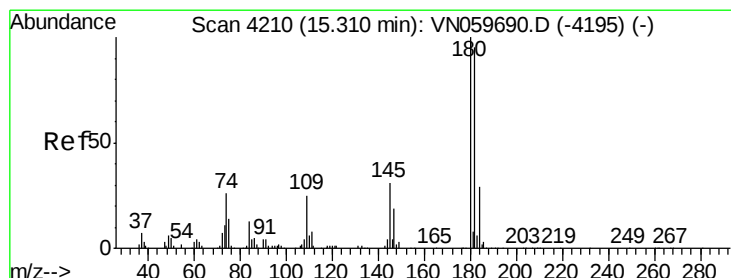
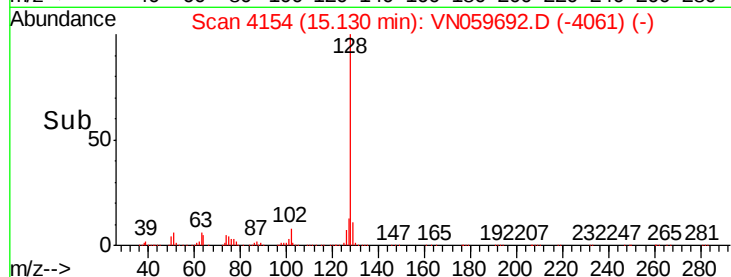
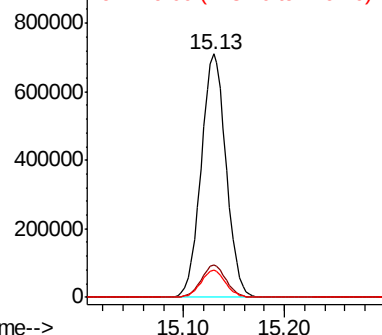
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 123.783 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059692.D

Acq: 13 Jan 2020 15:40

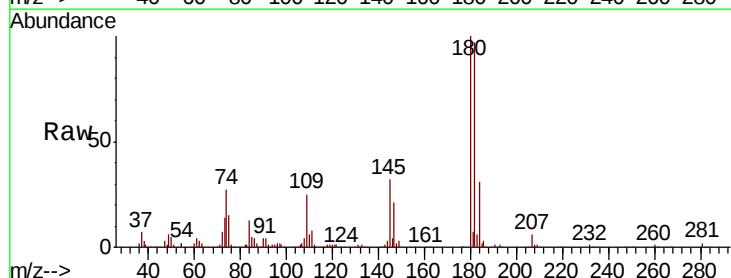
Tgt Ion:180 Resp: 403835

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.3

145 31.8 16.3 48.9



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

