

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058944.D
 Acq On : 23 Oct 2019 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Oct 24 03:12:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	355057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	565781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	544135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267302	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	259702	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	7.57	113	186866	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.08	98	735510	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	274876	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	212025	47.895	ug/l	100
3) Chloromethane	2.04	50	256259	46.739	ug/l	99
4) Vinyl Chloride	2.17	62	264744	48.632	ug/l	98
5) Bromomethane	2.54	94	138128	40.519	ug/l	97
6) Chloroethane	2.68	64	170210	48.757	ug/l	97
7) Trichlorofluoromethane	3.00	101	332554	49.371	ug/l	98
8) Diethyl Ether	3.39	74	118945	51.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180226	48.264	ug/l	99
10) Methyl Iodide	3.93	142	174140	35.457	ug/l	99
11) Tert butyl alcohol	4.76	59	208567	241.353	ug/l	100
12) 1,1-Dichloroethene	3.72	96	171122	48.889	ug/l	98
13) Acrolein	3.59	56	76926	129.556	ug/l	99
14) Allyl chloride	4.30	41	353371	49.892	ug/l	99
15) Acrylonitrile	4.96	53	571177	262.766	ug/l	100
16) Acetone	3.79	43	509371	197.951	ug/l	99
17) Carbon Disulfide	4.03	76	519981	46.118	ug/l	99
18) Methyl Acetate	4.30	43	297335	50.824	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	649163	52.966	ug/l	99
20) Methylene Chloride	4.53	84	210465	47.900	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	191771	49.611	ug/l	98
22) Diisopropyl ether	5.93	45	743804	53.690	ug/l	97
23) Vinyl Acetate	5.87	43	3140744	282.177	ug/l	100
24) 1,1-Dichloroethane	5.82	63	402302	50.081	ug/l	99
25) 2-Butanone	6.81	43	805319	241.091	ug/l	99
26) 2,2-Dichloropropane	6.80	77	311836	44.880	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	224173	50.767	ug/l	99
28) Bromochloromethane	7.18	49	133915	50.056	ug/l	100
29) Tetrahydrofuran	7.19	42	548520	268.437	ug/l	99
30) Chloroform	7.35	83	399194	49.541	ug/l	99
31) Cyclohexane	7.63	56	353548	47.243	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	339861	50.039	ug/l	99
36) 1,1-Dichloropropene	7.78	75	298134	51.470	ug/l	99
37) Ethyl Acetate	6.91	43	339474	53.786	ug/l	100
38) Carbon Tetrachloride	7.76	117	293914	49.254	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	331975	51.041	ug/l	97
40) Benzene	8.02	78	882437	51.880	ug/l	99
41) Methacrylonitrile	7.19	41	492351	175.150	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	334409	51.038	ug/l	99
43) Isopropyl Acetate	8.15	43	539404	53.289	ug/l	100
44) Trichloroethene	8.82	130	207626	50.110	ug/l	100
45) 1,2-Dichloropropane	9.11	63	244643	52.451	ug/l	99
46) Dibromomethane	9.20	93	150145	50.921	ug/l	99
47) Bromodichloromethane	9.39	83	319836	52.628	ug/l	99
48) Methyl methacrylate	9.19	41	252557	54.993	ug/l	100
49) 1,4-Dioxane	9.19	88	71813	952.560	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1726231	291.969	ug/l	100
52) Toluene	10.15	92	544219	53.954	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	356707	53.021	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	380638	52.957	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	216398	52.078	ug/l	98
56) Ethyl methacrylate	10.42	69	346276	49.626	ug/l	100
57) 1,3-Dichloropropane	10.70	76	384438	52.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	748835	253.970	ug/l	99
59) 2-Hexanone	10.75	43	1286433	281.576	ug/l	99
60) Dibromochloromethane	10.90	129	241602	54.018	ug/l	100
61) 1,2-Dibromoethane	11.00	107	226364	53.232	ug/l	99
64) Tetrachloroethene	10.63	164	189134	49.632	ug/l	98
65) Chlorobenzene	11.43	112	579711	52.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	219556	52.521	ug/l	99
67) Ethyl Benzene	11.51	91	1066462	54.879	ug/l	98
68) m/p-Xylenes	11.62	106	788500	109.412	ug/l	99
69) o-Xylene	11.95	106	378612	55.085	ug/l	98
70) Styrene	11.96	104	634674	50.024	ug/l	99
71) Bromoform	12.13	173	172345	53.167	ug/l #	98
73) Isopropylbenzene	12.25	105	1029738	52.713	ug/l	100
74) N-amyl acetate	12.07	43	484530	54.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	346539	50.451	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	459538	74.179	ug/l #	100
77) Bromobenzene	12.53	156	245940	51.078	ug/l	98
78) n-propylbenzene	12.59	91	1229406	53.242	ug/l	99
79) 2-Chlorotoluene	12.68	91	721239	51.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	889427	54.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119362	50.193	ug/l	99
82) 4-Chlorotoluene	12.78	91	757134	52.424	ug/l	100
83) tert-Butylbenzene	13.00	119	746061	53.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	893967	55.222	ug/l	100
85) sec-Butylbenzene	13.18	105	1005651	53.743	ug/l	99
86) p-Isopropyltoluene	13.29	119	911735	55.220	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	446955	51.914	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	446005	51.742	ug/l	99
89) n-Butylbenzene	13.62	91	824722	54.376	ug/l	99
90) Hexachloroethane	13.88	117	169661	50.711	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	439451	51.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75023	48.290	ug/l	98

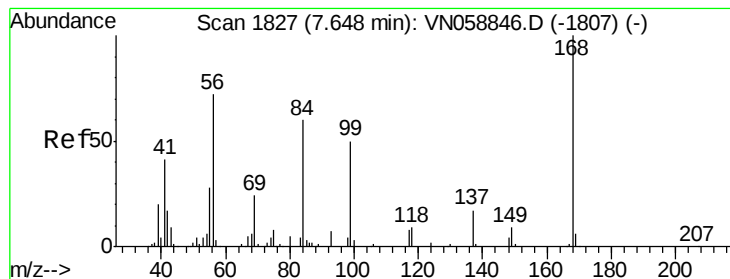
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	262015	49.227	ug/l	100
94) Hexachlorobutadiene	15.01	225	134724	49.121	ug/l	98
95) Naphthalene	15.13	128	753255	49.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	254941	49.199	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

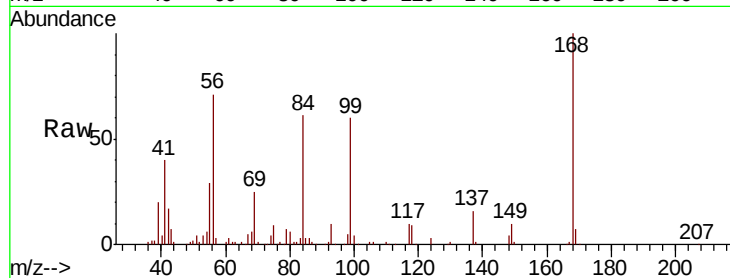
BFB

Tot Ion:168 Resp: 355057

Ion Ratio Lower Upper

168 100

99 60.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

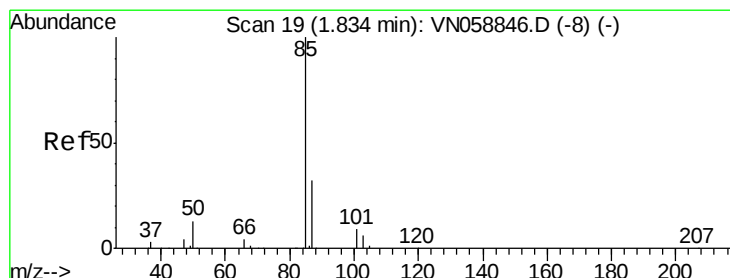
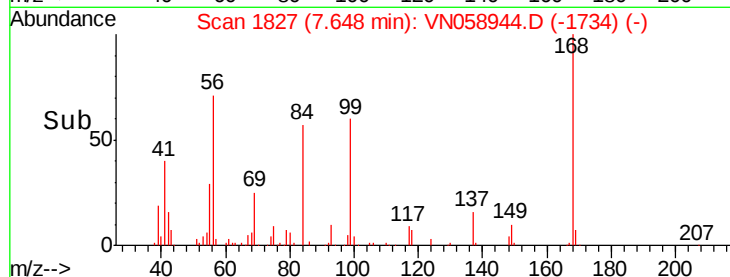
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.895 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058944.D

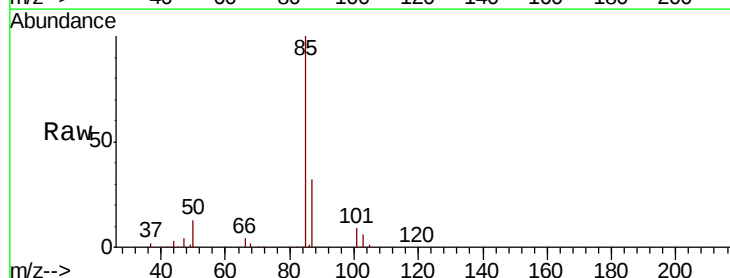
Acq: 23 Oct 2019 20:54

Tgt Ion: 85 Resp: 212025

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

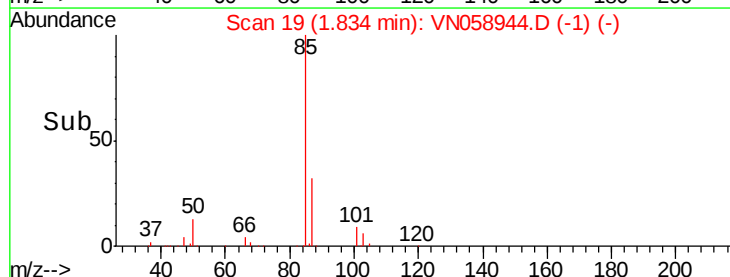
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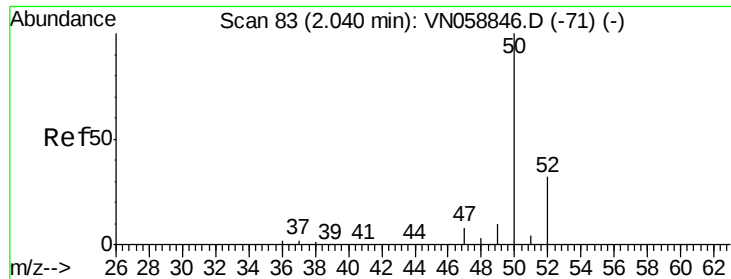
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 46.739 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

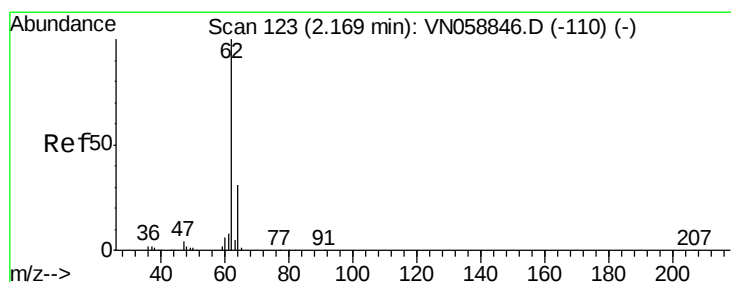
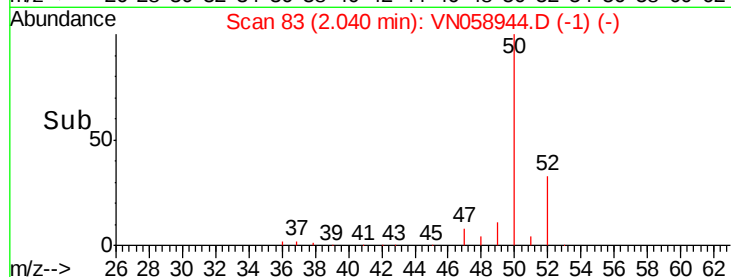
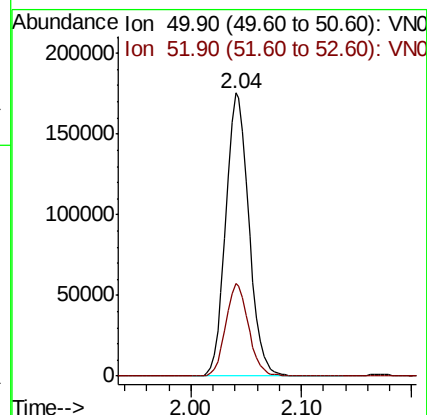
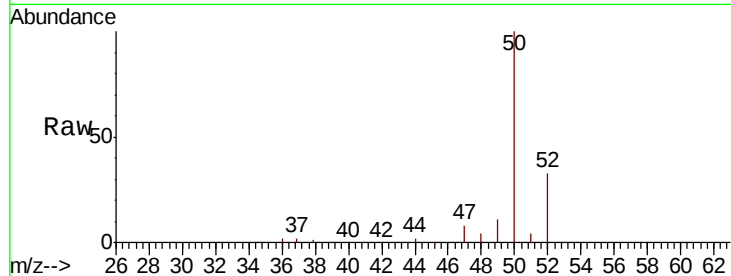
BFB

Tot Ion: 50 Resp: 256259

Ion Ratio Lower Upper

50 100

52 32.5 25.7 38.5



#4

Vinyl Chloride

Concen: 48.632 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058944.D

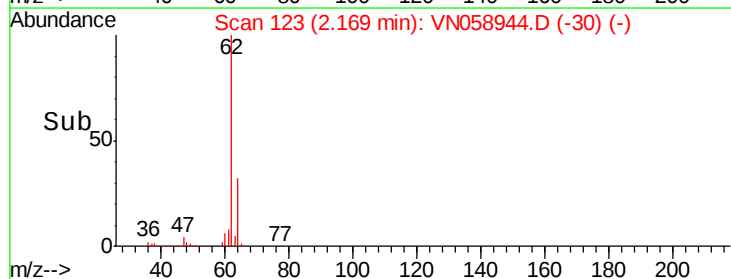
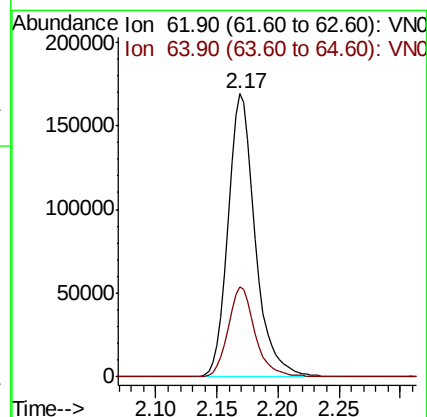
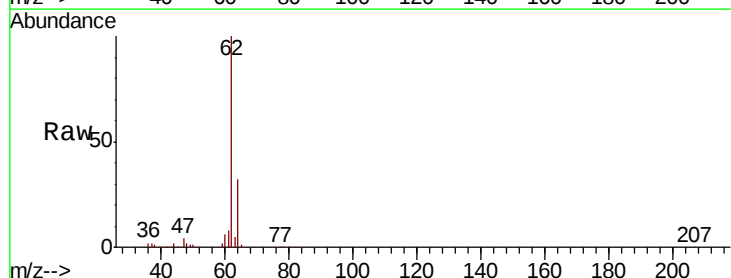
Acq: 23 Oct 2019 20:54

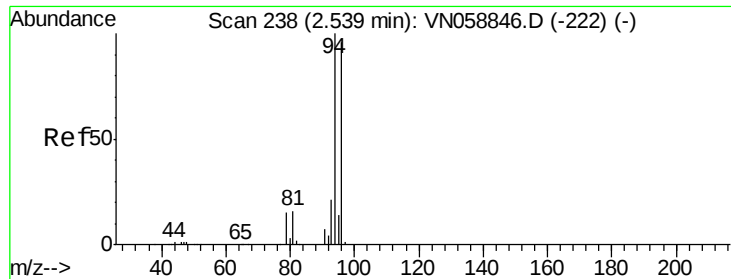
Tgt Ion: 62 Resp: 264744

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 40.519 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

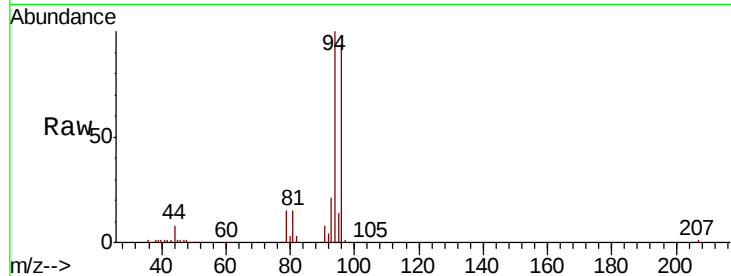
BFB

Tot Ion: 94 Resp: 138128

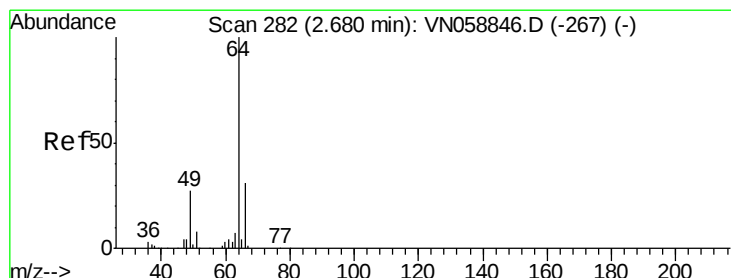
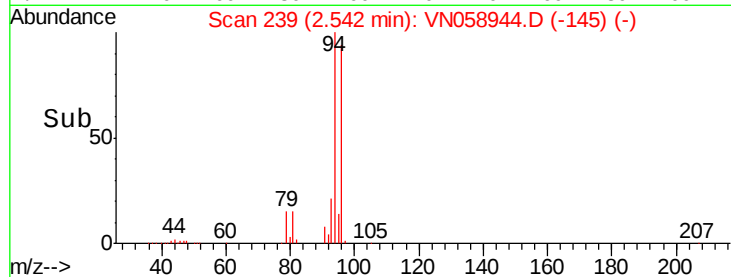
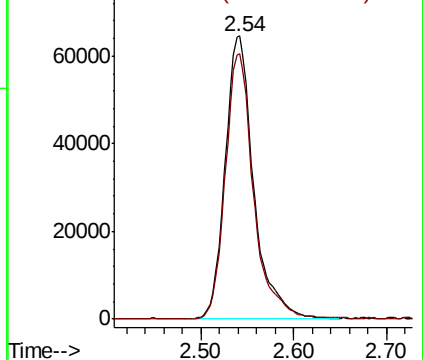
Ion Ratio Lower Upper

94 100

96 93.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.757 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058944.D

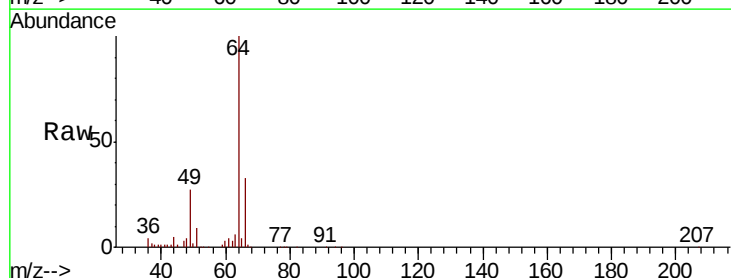
Acq: 23 Oct 2019 20:54

Tgt Ion: 64 Resp: 170210

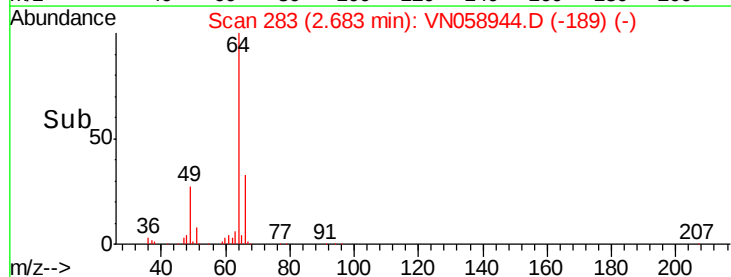
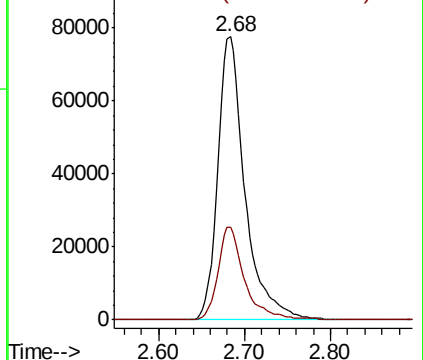
Ion Ratio Lower Upper

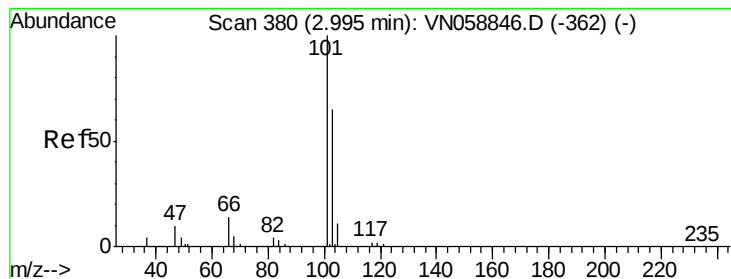
64 100

66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



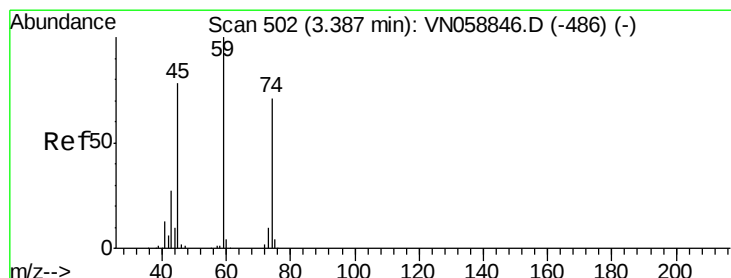
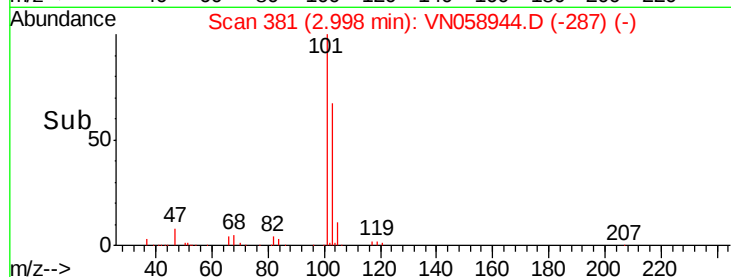
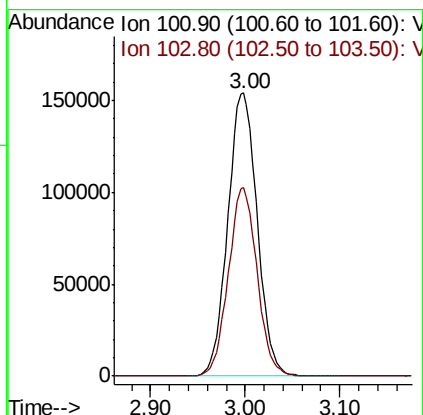
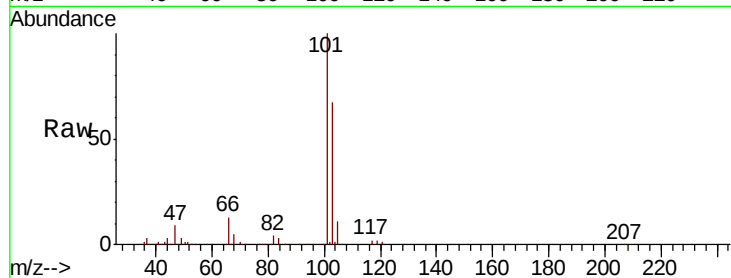


#7

Trichlorofluoromethane
Concen: 49.371 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
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ClientSampled :
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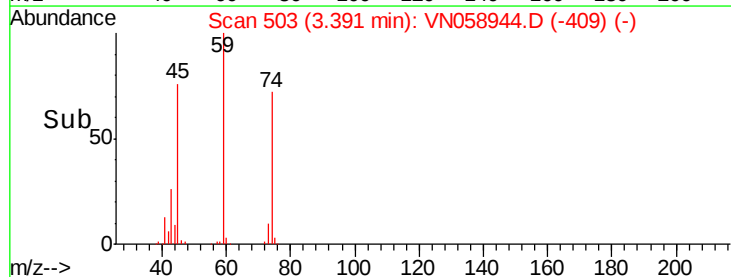
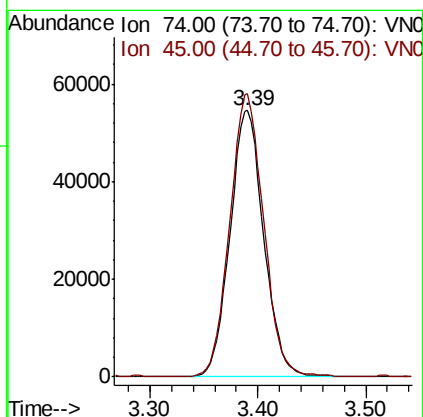
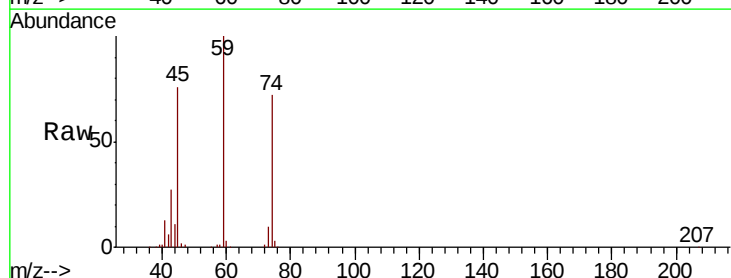
Tot Ion:101 Resp: 332554
Ion Ratio Lower Upper
101 100
103 66.6 52.2 78.2

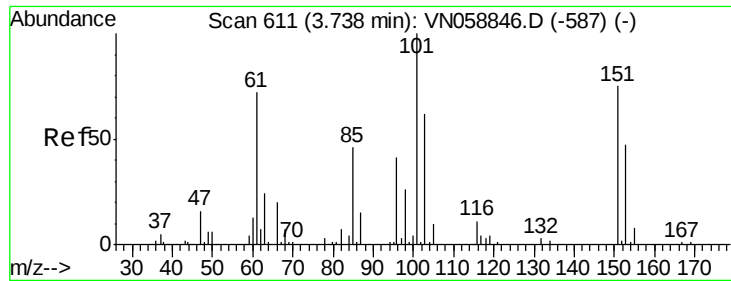


#8

Diethyl Ether
Concen: 51.100 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 74 Resp: 118945
Ion Ratio Lower Upper
74 100
45 106.9 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.264 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

BFB

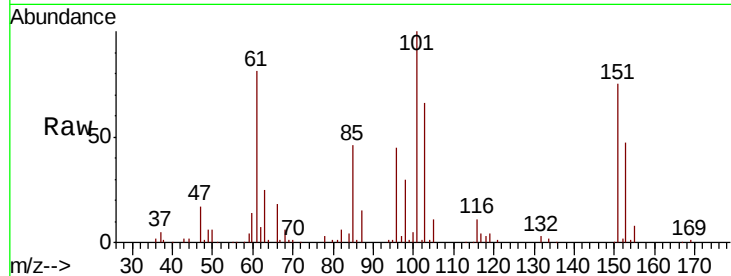
Tot Ion:101 Resp: 180226

Ion Ratio Lower Upper

101 100

85 45.3 37.2 55.8

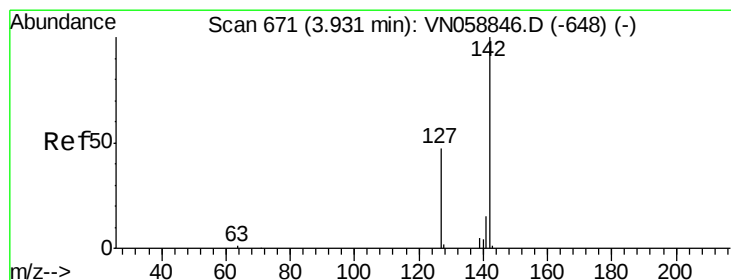
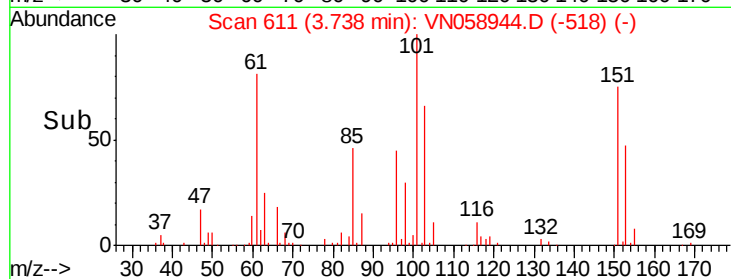
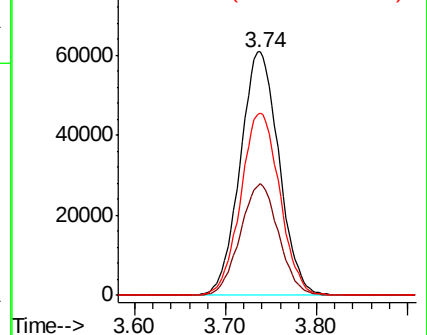
151 75.3 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.457 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

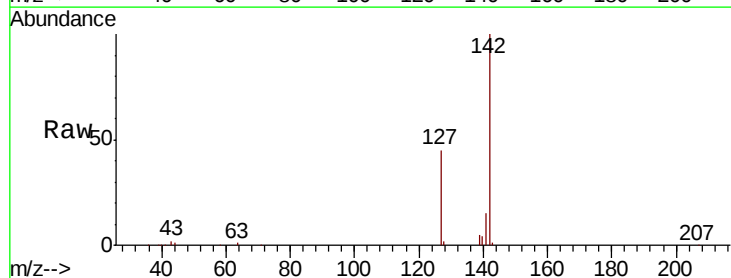
Tgt Ion:142 Resp: 174140

Ion Ratio Lower Upper

142 100

127 46.1 36.6 54.8

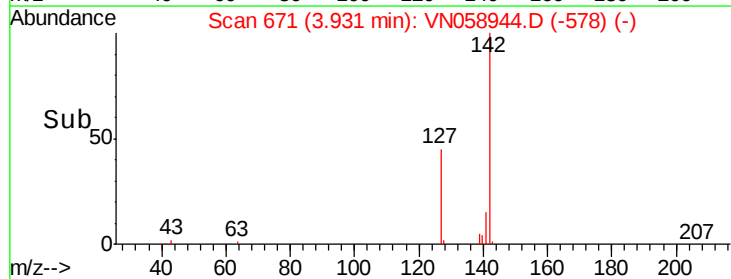
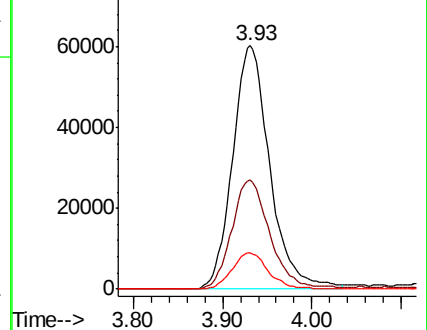
141 14.5 11.4 17.2

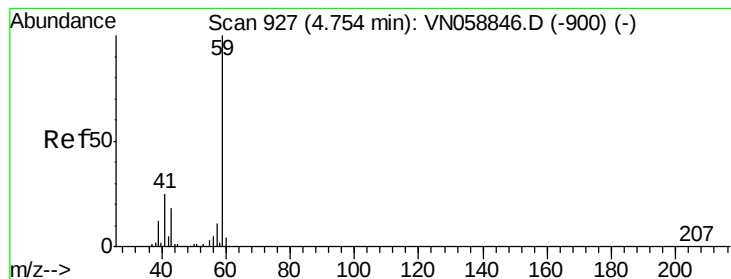


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 241.353 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

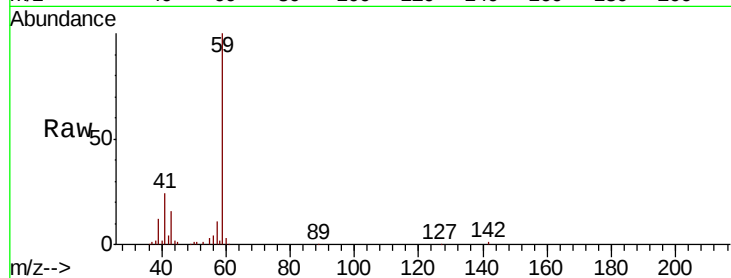
BFB

Tot Ion: 59 Resp: 208567

Ion Ratio Lower Upper

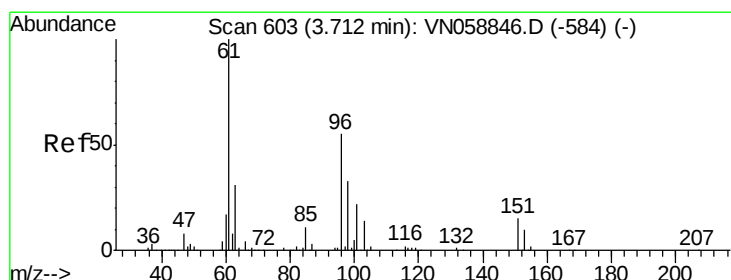
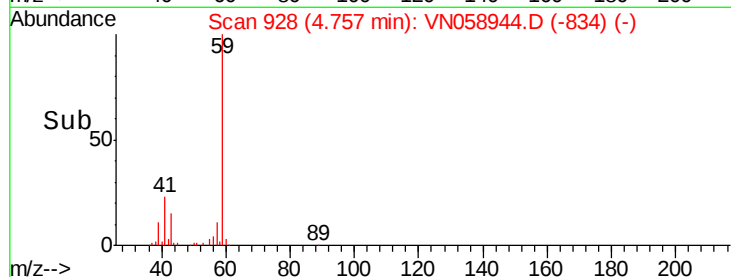
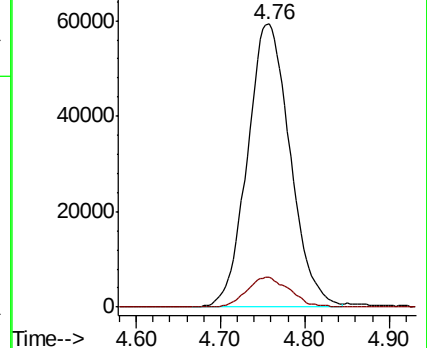
59 100

57 10.6 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 48.889 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

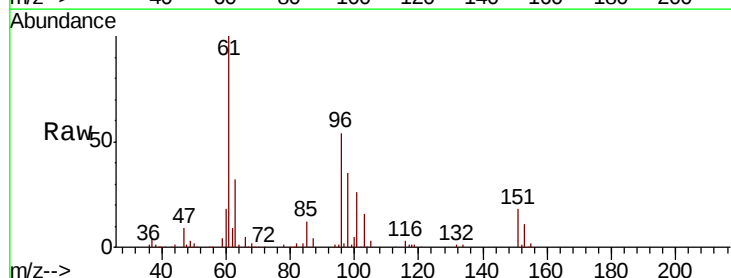
Tgt Ion: 96 Resp: 171122

Ion Ratio Lower Upper

96 100

61 183.8 146.2 219.2

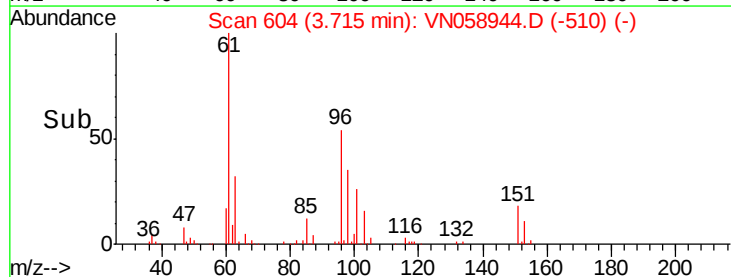
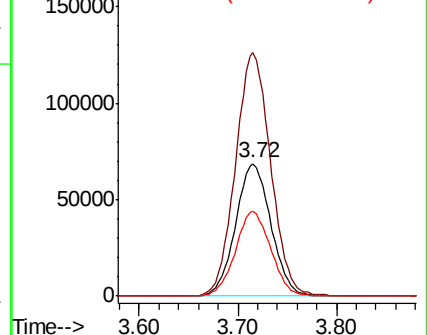
98 64.2 48.7 73.1

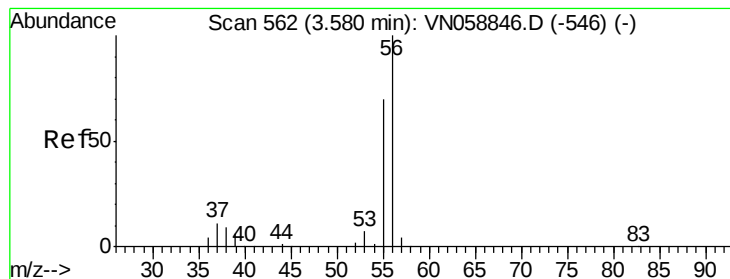


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 129.556 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

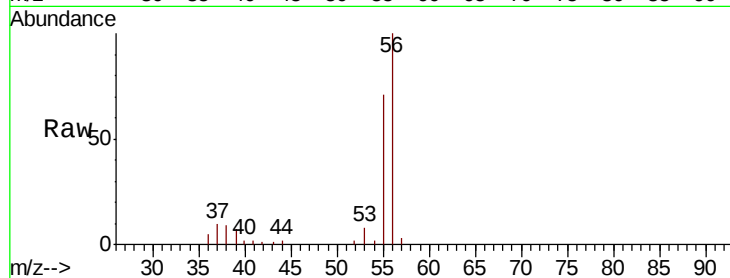
BFB

Tot Ion: 56 Resp: 76926

Ion Ratio Lower Upper

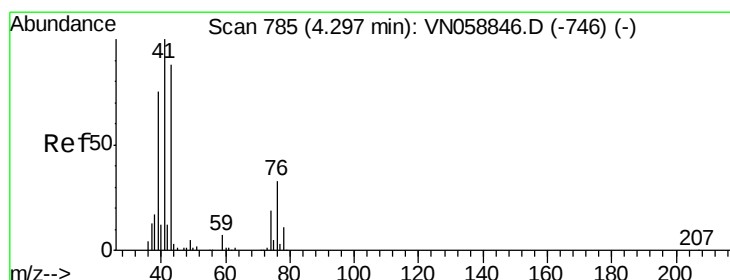
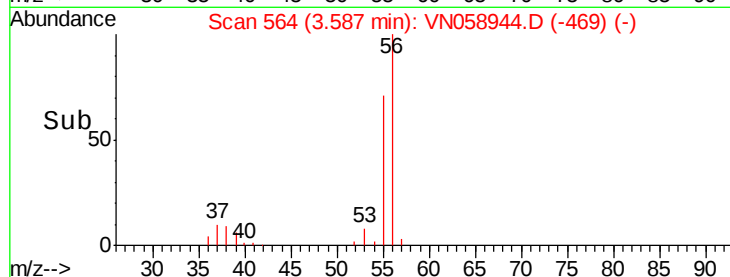
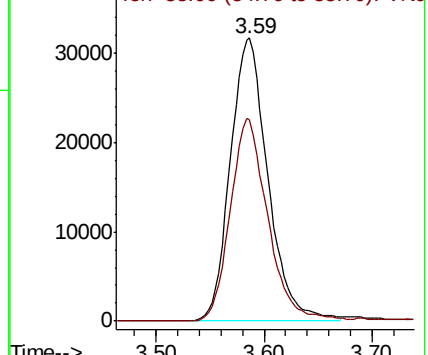
56 100

55 71.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.892 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

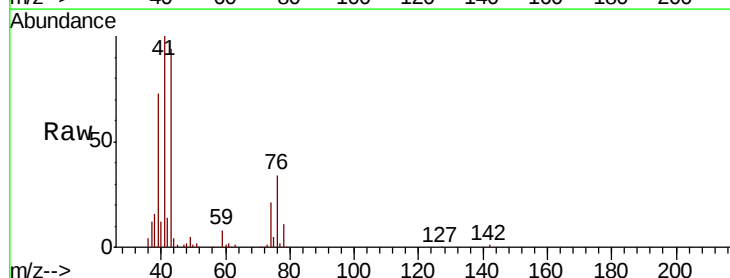
Tgt Ion: 41 Resp: 353371

Ion Ratio Lower Upper

41 100

39 69.4 55.9 83.9

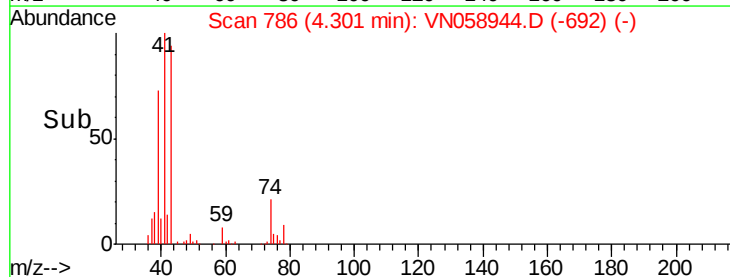
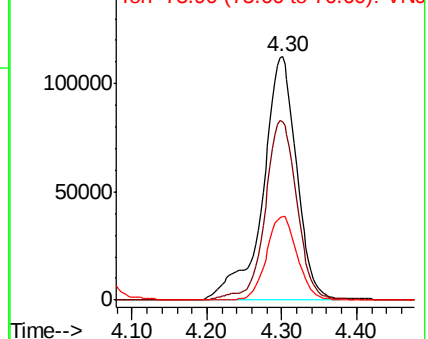
76 31.3 24.1 36.1

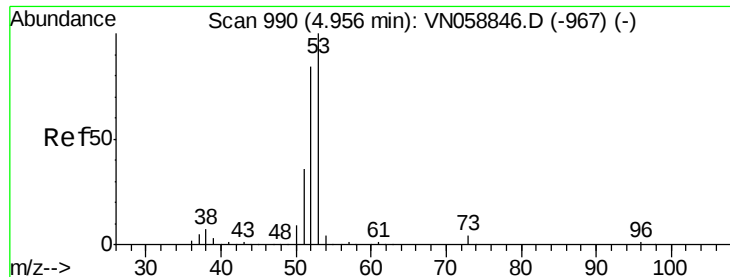


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 262.766 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

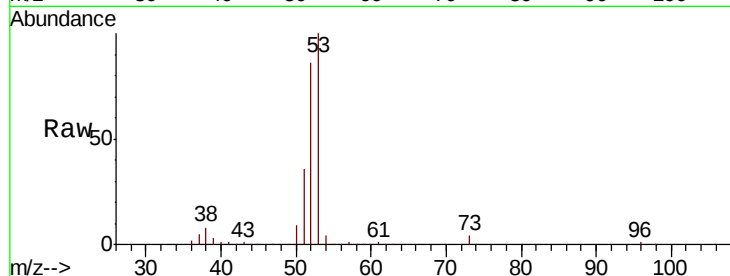
Tot Ion: 53 Resp: 571177

Ion Ratio Lower Upper

53 100

52 82.9 66.6 99.8

51 36.2 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)

4.96

150000

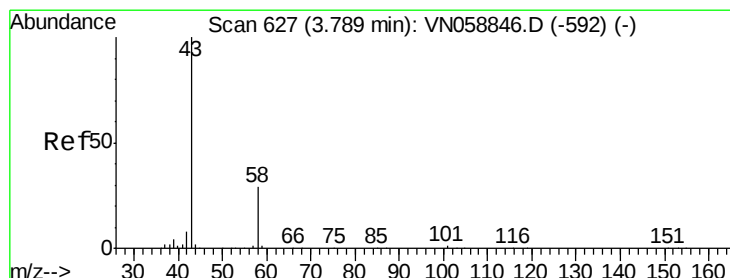
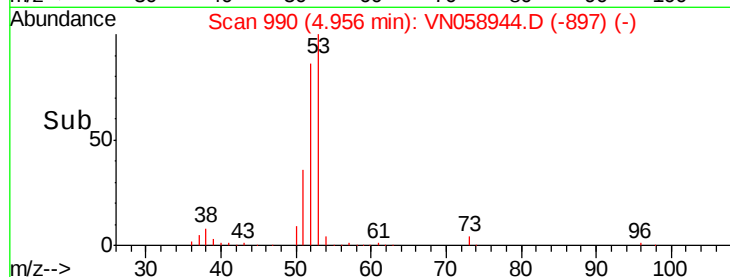
100000

50000

0

Time-->

4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 197.951 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058944.D

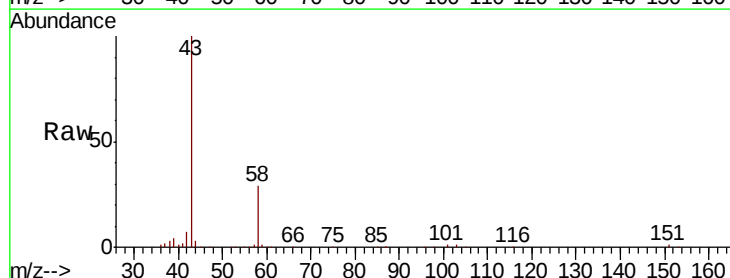
Acq: 23 Oct 2019 20:54

Tgt Ion: 43 Resp: 509371

Ion Ratio Lower Upper

43 100

58 29.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

3.79

200000

150000

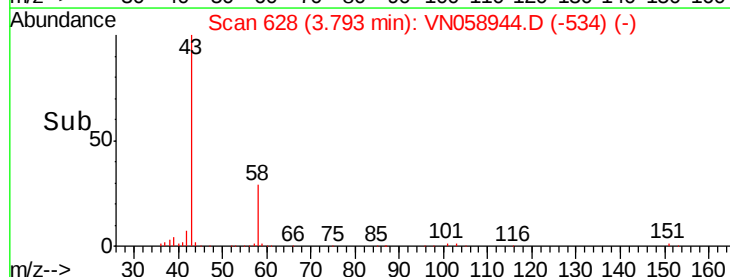
100000

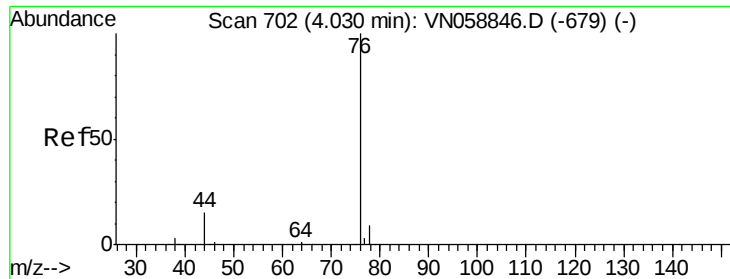
50000

0

Time-->

3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 46.118 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

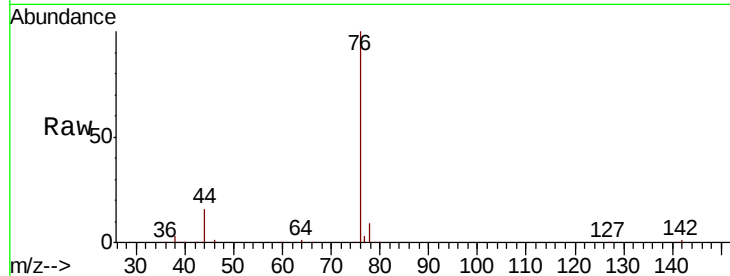
BFB

Tot Ion: 76 Resp: 519981

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

200000

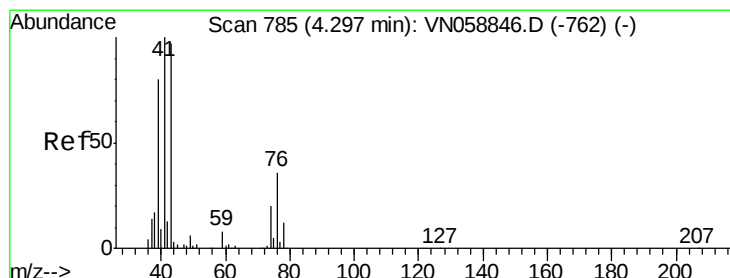
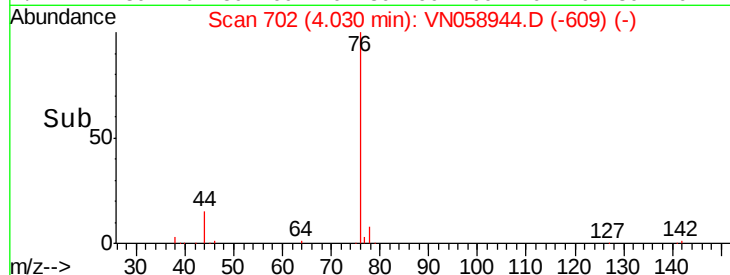
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 50.824 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058944.D

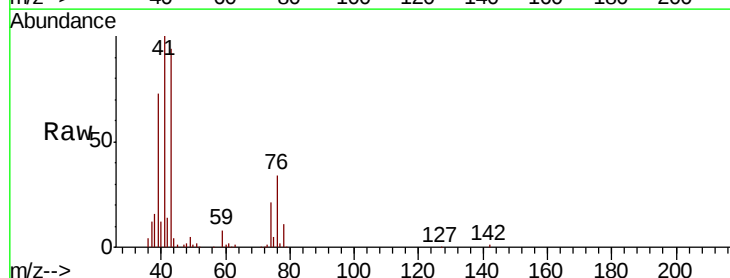
Acq: 23 Oct 2019 20:54

Tgt Ion: 43 Resp: 297335

Ion Ratio Lower Upper

43 100

74 21.7 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

120000

100000

80000

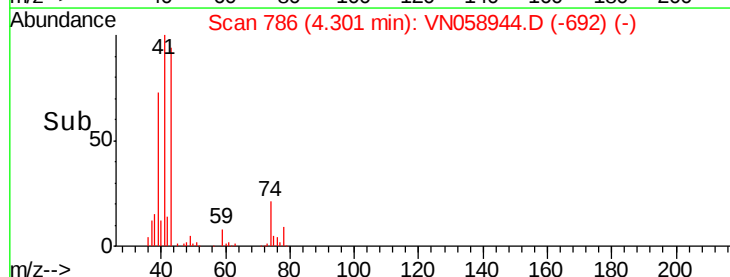
60000

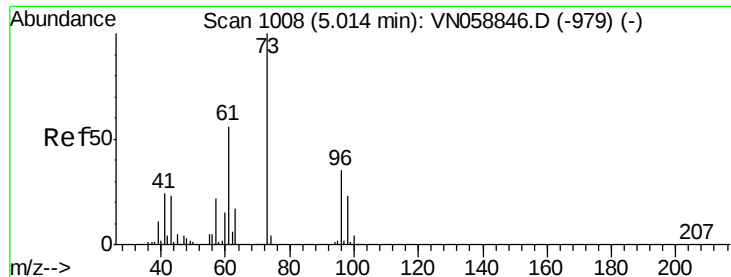
40000

20000

0

Time--> 4.20 4.30 4.40



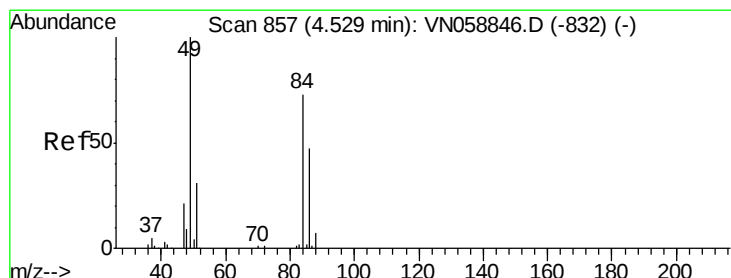
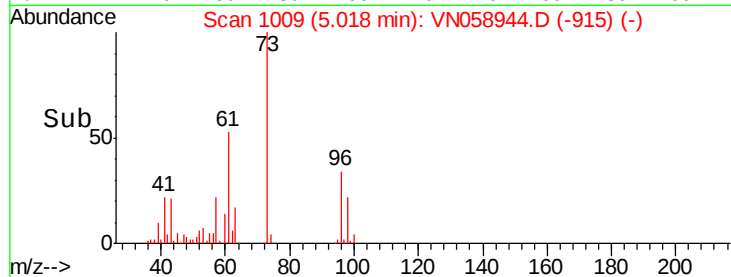
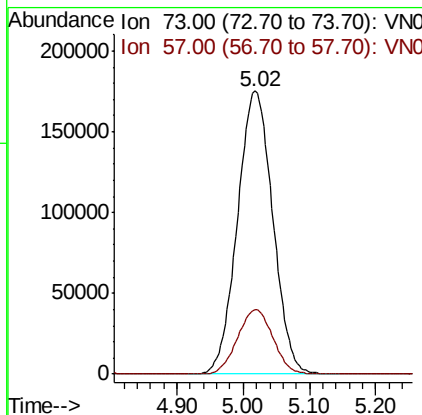
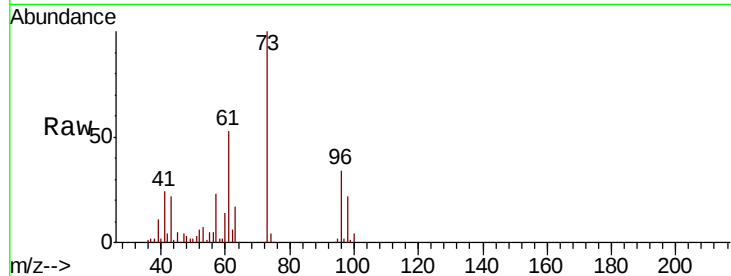


#19

Methyl tert-butyl Ether
 Concen: 52.966 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

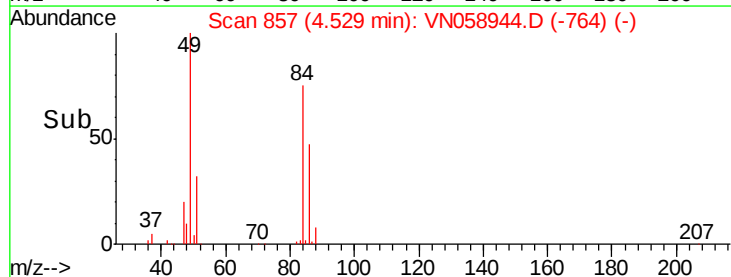
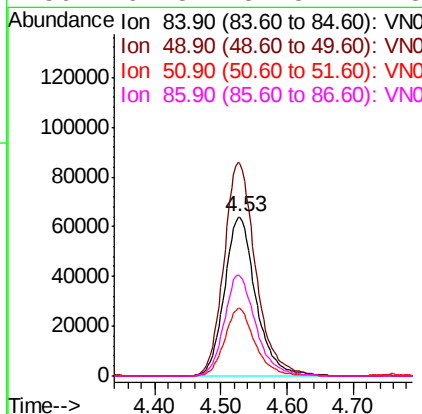
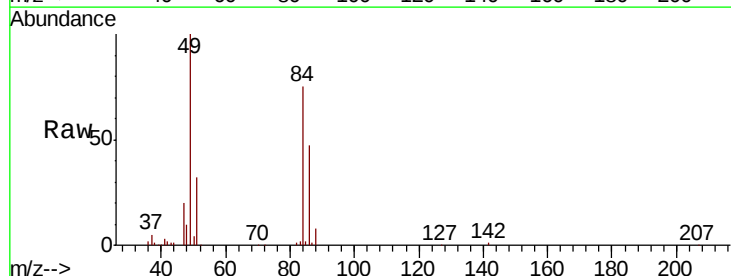
Tot Ion: 73 Resp: 649163
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.9 26.9

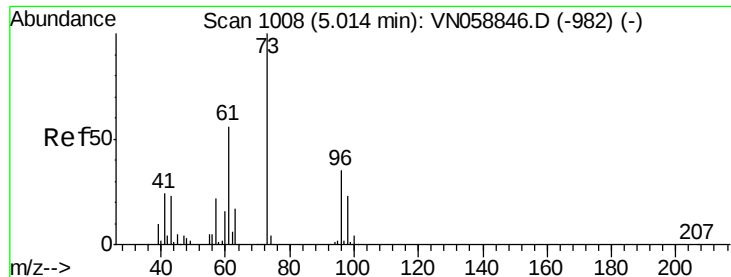


#20

Methylene Chloride
 Concen: 47.900 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 84 Resp: 210465
 Ion Ratio Lower Upper
 84 100
 49 133.2 109.6 164.4
 51 42.5 33.8 50.6
 86 62.8 51.5 77.3

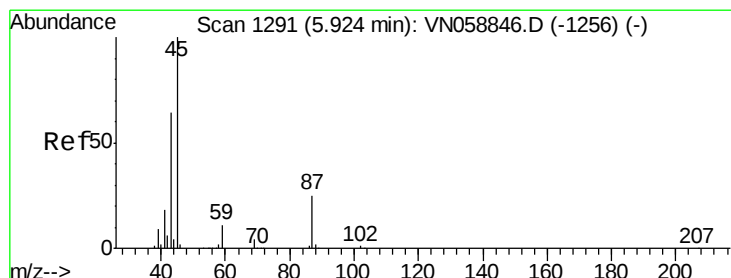
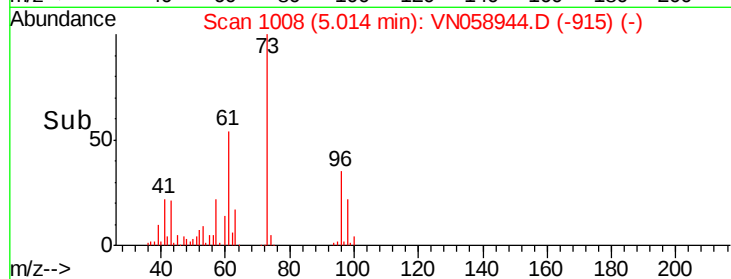
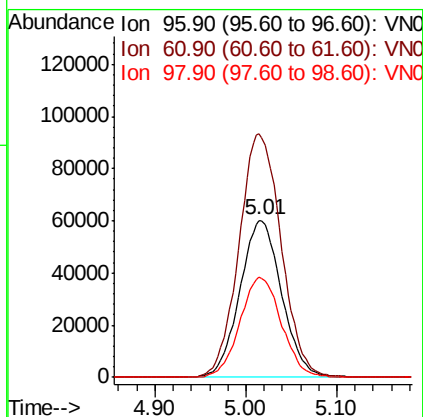
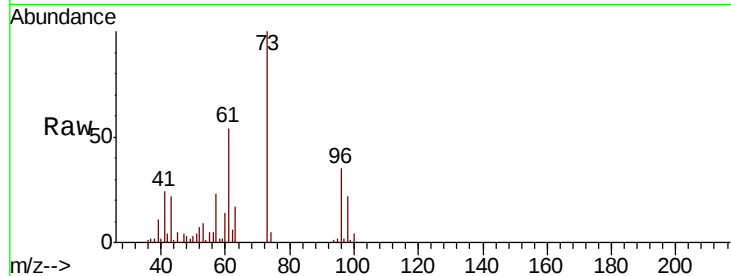




#21
trans-1,2-Dichloroethene
Concen: 49.611 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

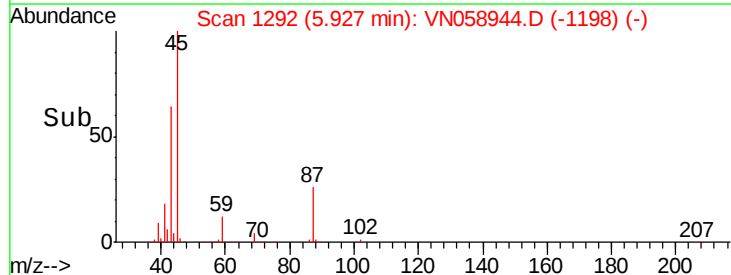
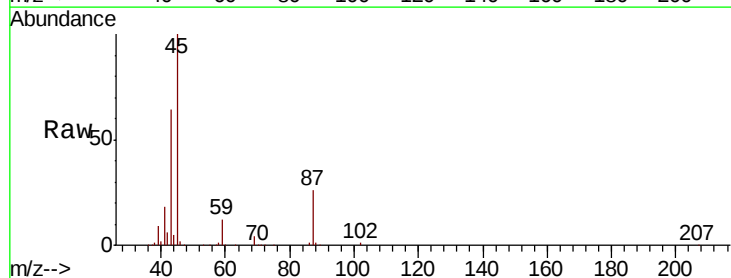
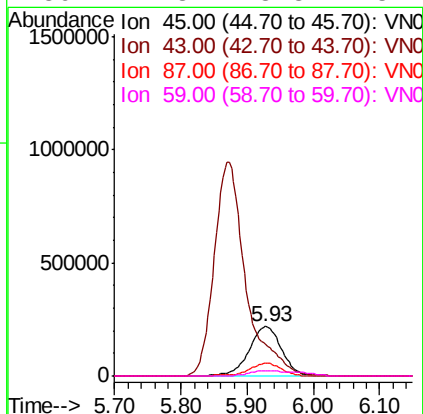
Instrument :
MSVOA_N
ClientSampleId :
BFB

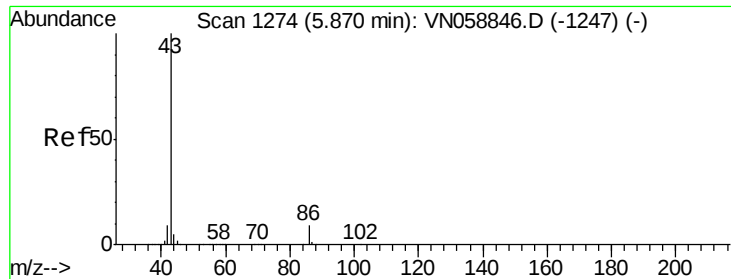
Tot Ion: 96 Resp: 191771
Ion Ratio Lower Upper
96 100
61 155.0 126.7 190.1
98 63.8 52.0 78.0



#22
Diisopropyl ether
Concen: 53.690 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 45 Resp: 743804
Ion Ratio Lower Upper
45 100
43 62.8 52.9 79.3
87 26.2 20.2 30.4
59 11.3 8.8 13.2





#23

Vinyl Acetate

Concen: 282.177 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

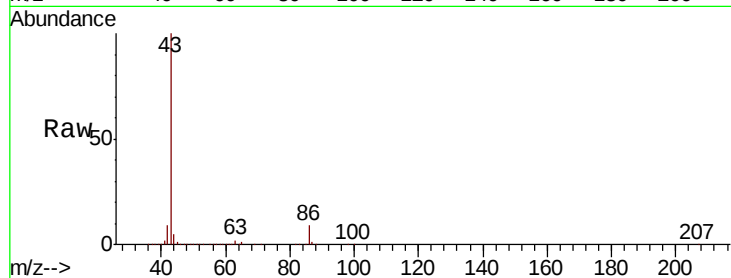
BFB

Tot Ion: 43 Resp: 3140744

Ion Ratio Lower Upper

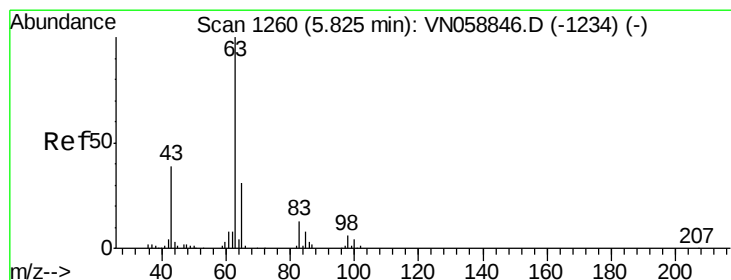
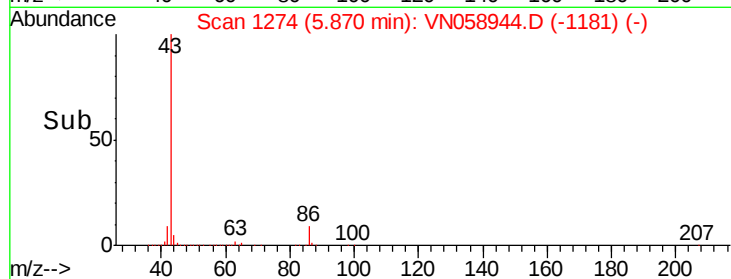
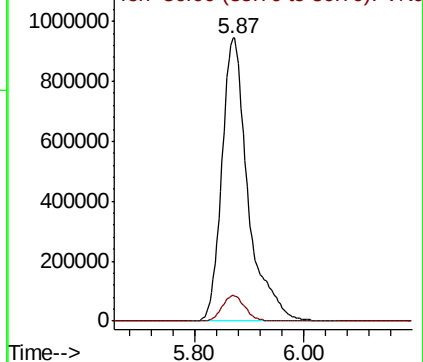
43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.081 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

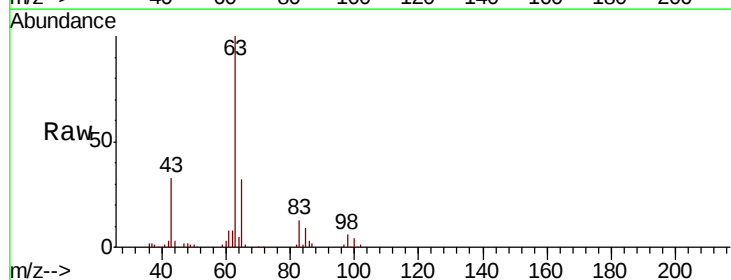
Tgt Ion: 63 Resp: 402302

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

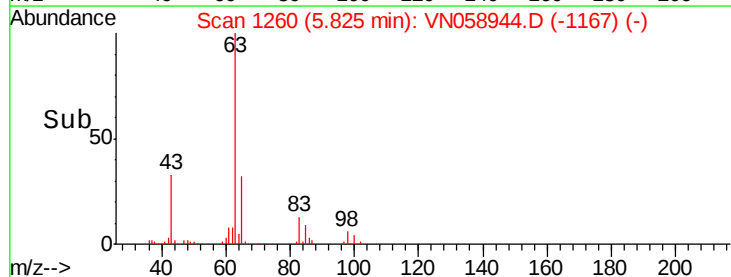
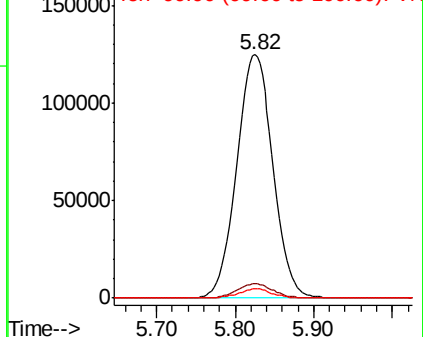
100 3.8 1.9 5.7

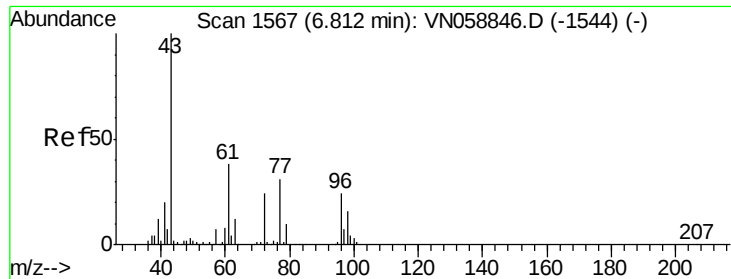


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

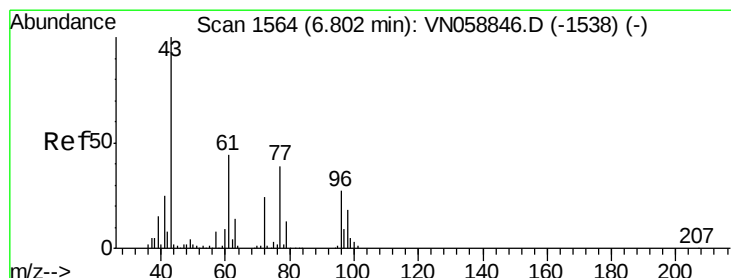
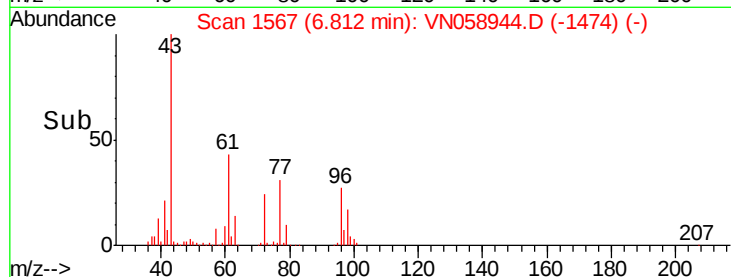
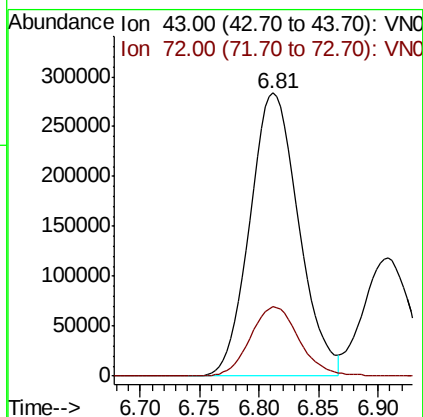
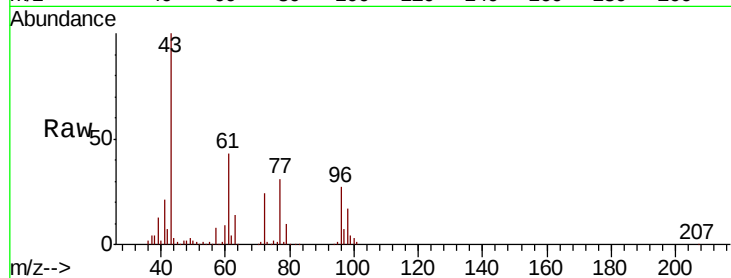




#25
2-Butanone
Concen: 241.091 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

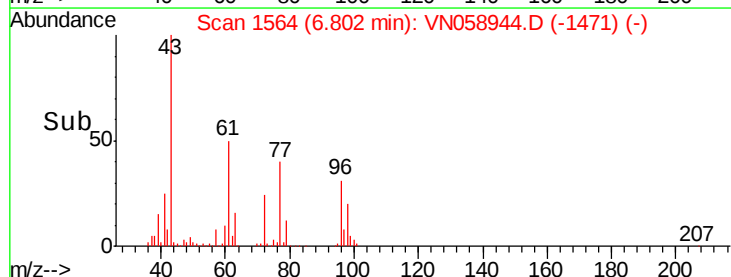
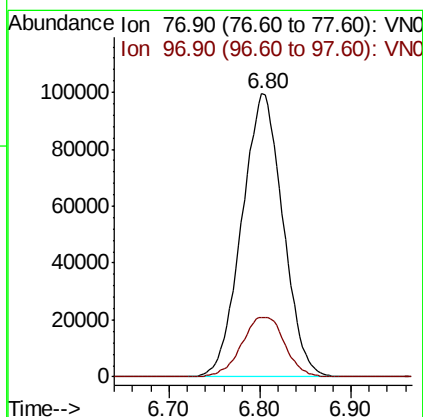
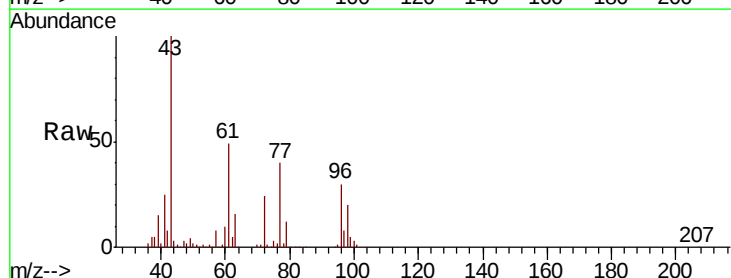
Instrument :
MSVOA_N
ClientSampled :
BFB

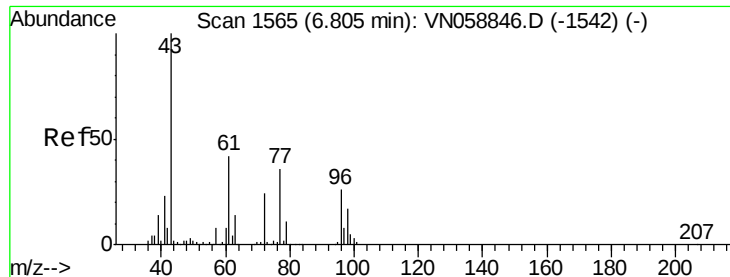
Tot Ion: 43 Resp: 805319
Ion Ratio Lower Upper
43 100
72 24.4 19.1 28.7



#26
2,2-Dichloropropane
Concen: 44.880 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 77 Resp: 311836
Ion Ratio Lower Upper
77 100
97 22.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.767 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

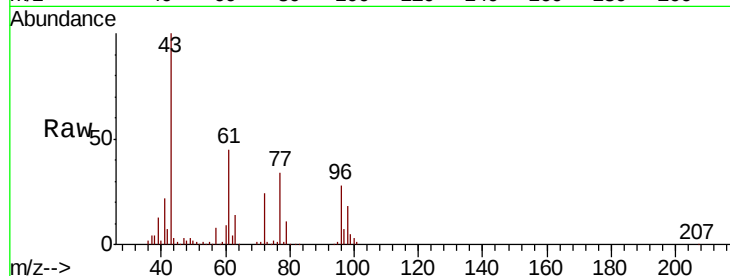
Tot Ion: 96 Resp: 224173

Ion Ratio Lower Upper

96 100

61 163.0 0.0 325.0

98 64.7 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)

6.81

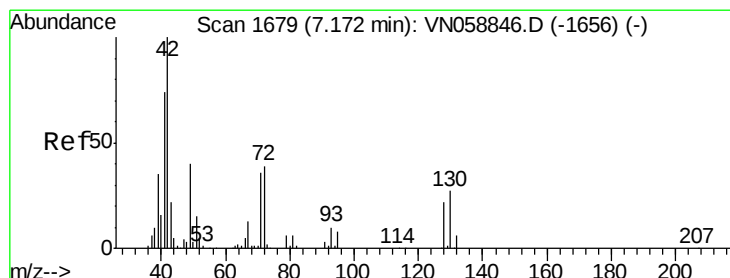
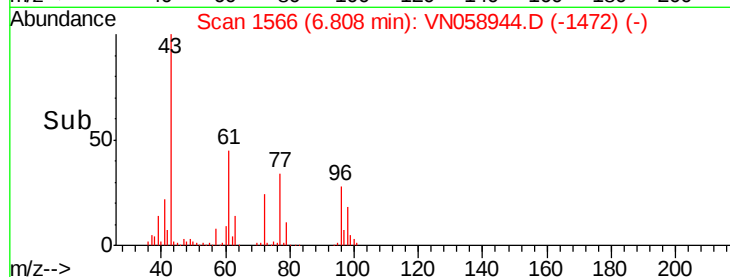
150000

100000

50000

0

Time-->



#28

Bromochloromethane

Concen: 50.056 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

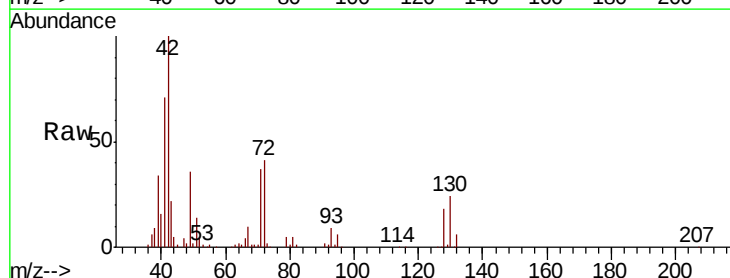
Tgt Ion: 49 Resp: 133915

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.2

130 66.7 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN058846.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN058846.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN058846.D (-1656) (-)

7.18

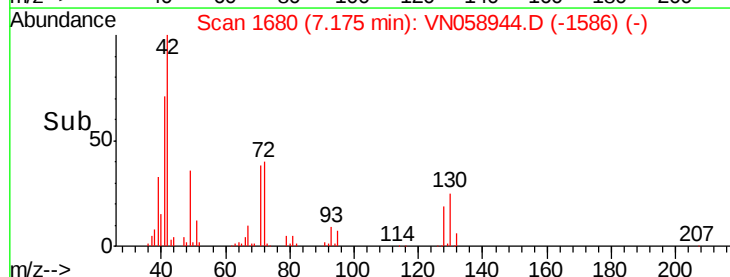
60000

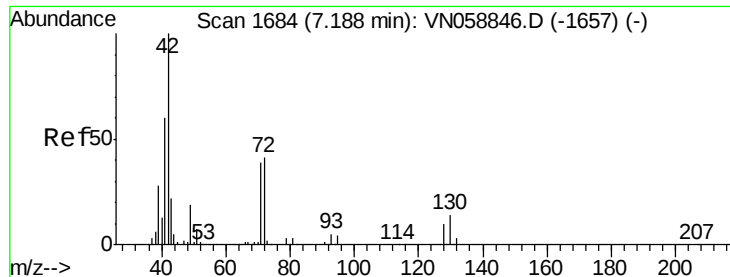
40000

20000

0

Time-->





#29

Tetrahydrofuran

Concen: 268.437 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

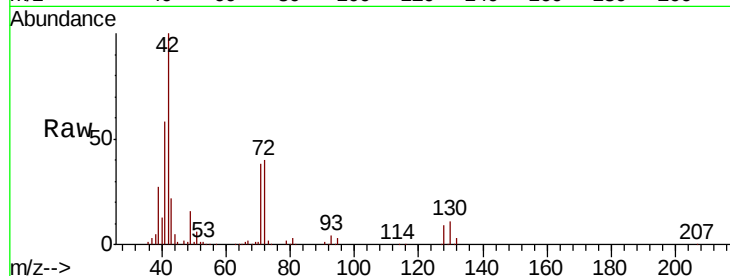
Tot Ion: 42 Resp: 548520

Ion Ratio Lower Upper

42 100

72 39.9 32.2 48.2

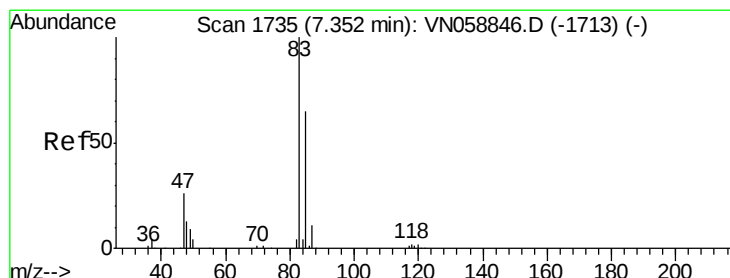
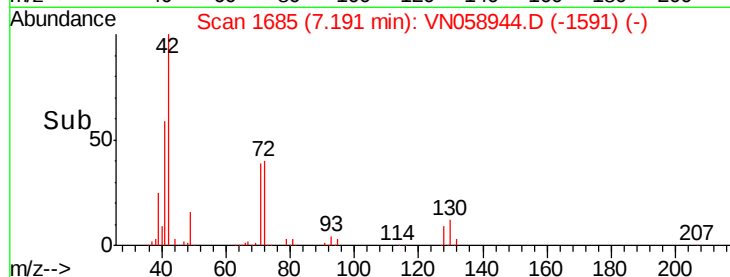
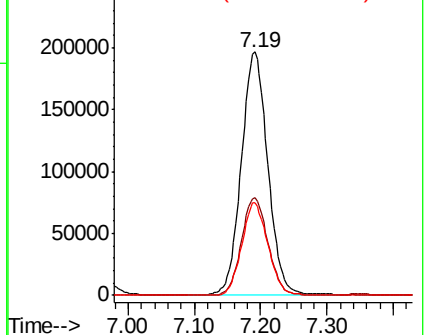
71 37.3 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.541 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058944.D

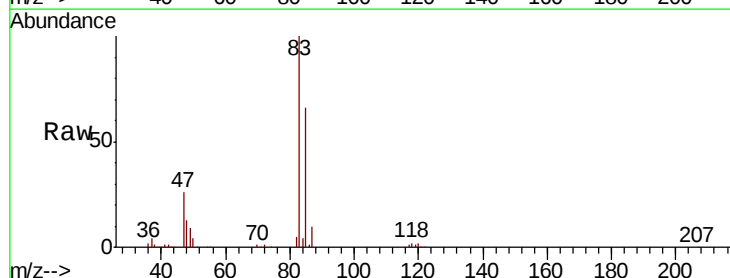
Acq: 23 Oct 2019 20:54

Tgt Ion: 83 Resp: 399194

Ion Ratio Lower Upper

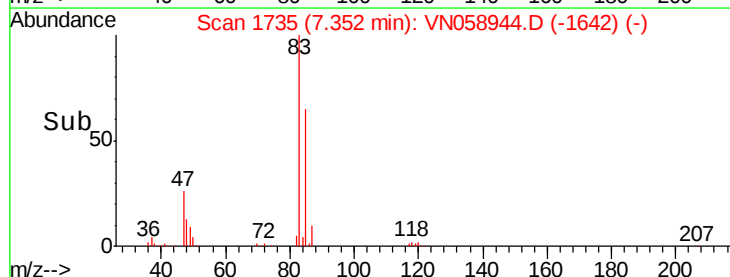
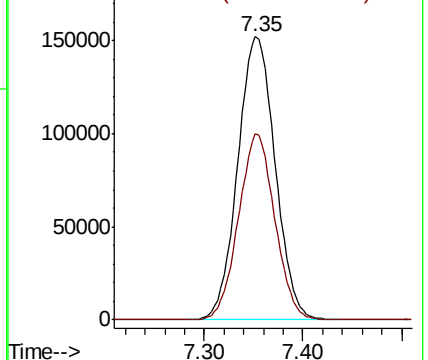
83 100

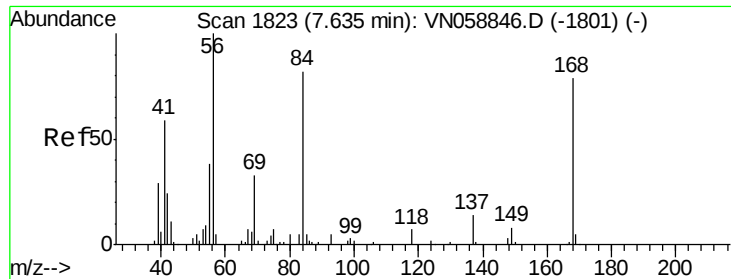
85 65.6 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

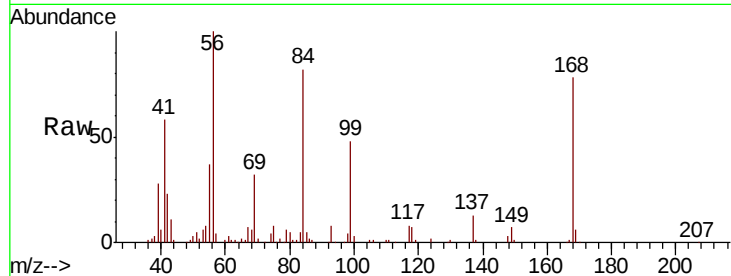




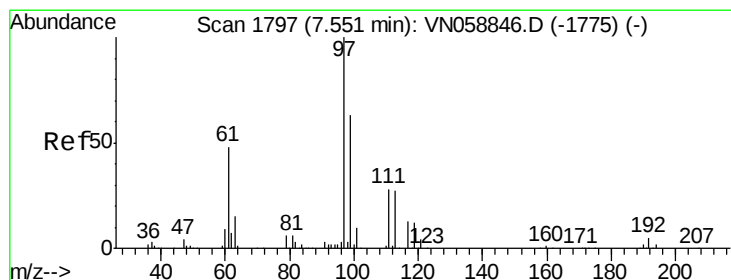
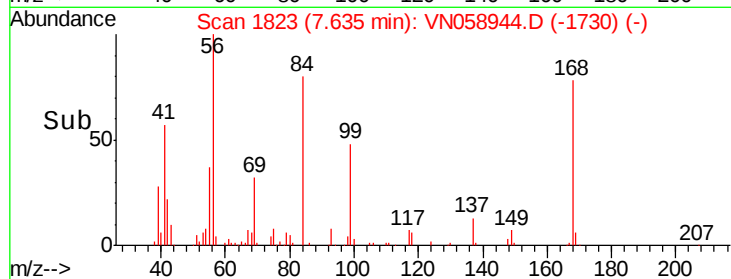
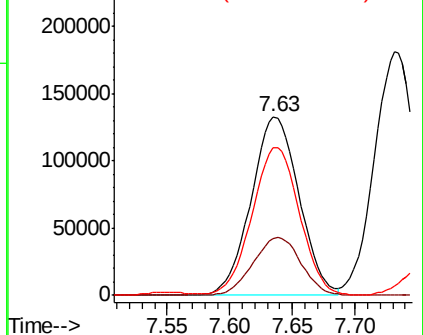
#31
Cyclohexane
Concen: 47.243 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion: 56 Resp: 353548
Ion Ratio Lower Upper
56 100
69 32.1 26.2 39.4
84 81.3 65.6 98.4

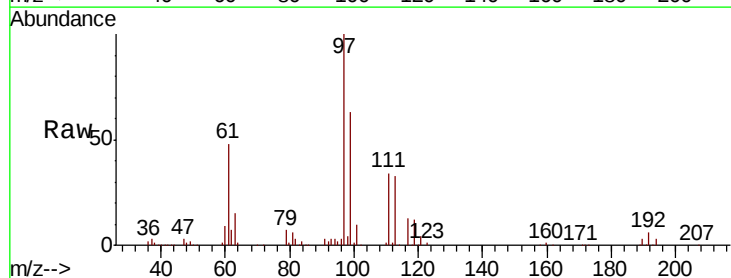


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

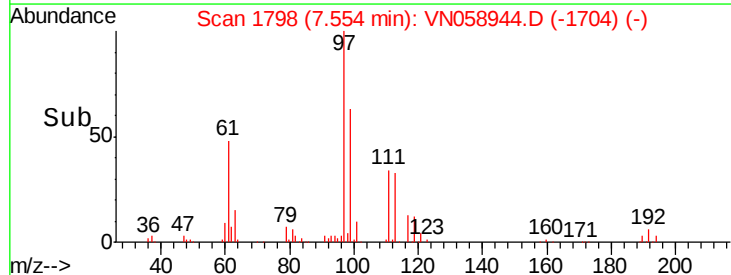
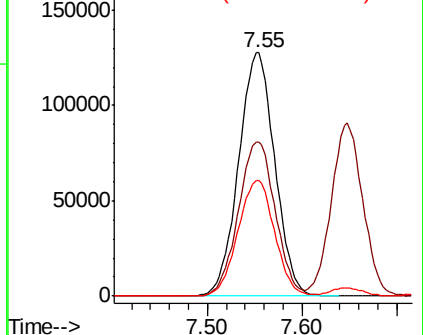


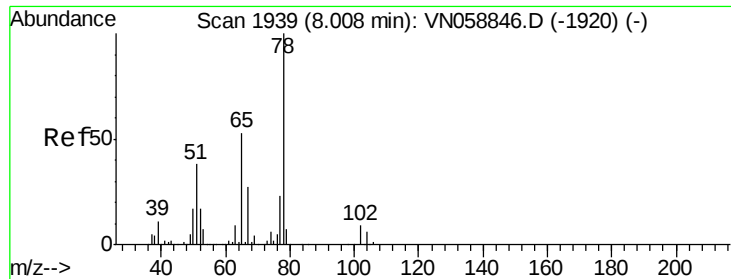
#32
1,1,1-Trichloroethane
Concen: 50.039 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 97 Resp: 339861
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 48.2 38.6 58.0



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

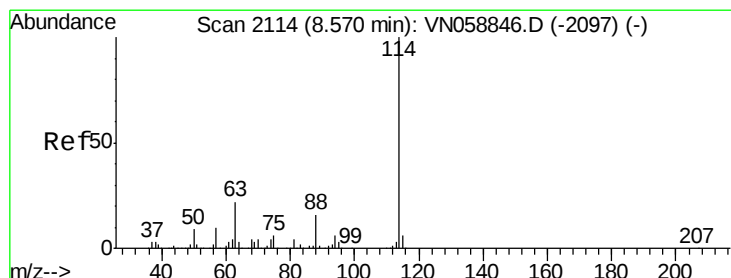
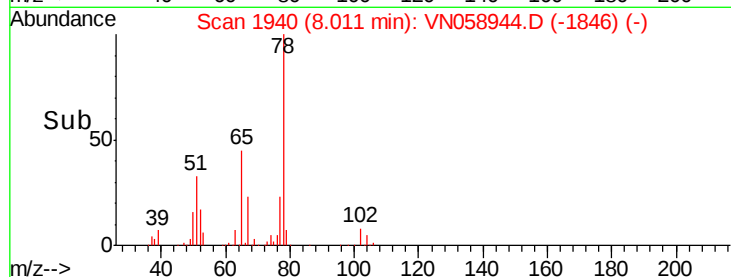
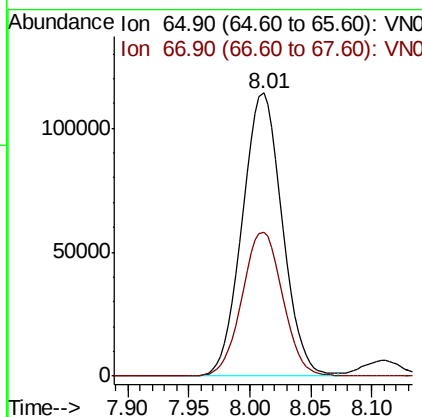
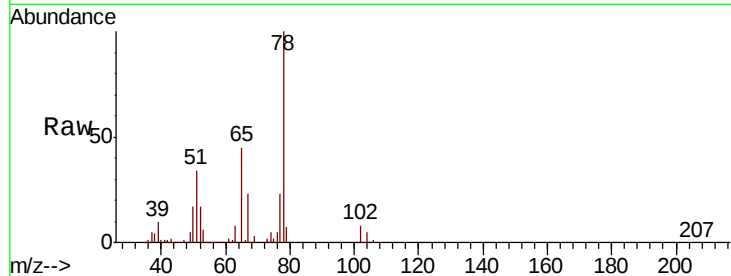




#33
 1,2-Dichloroethane-d4
 Concen: 49.871 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

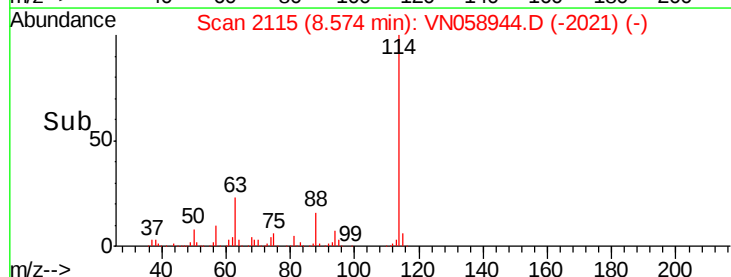
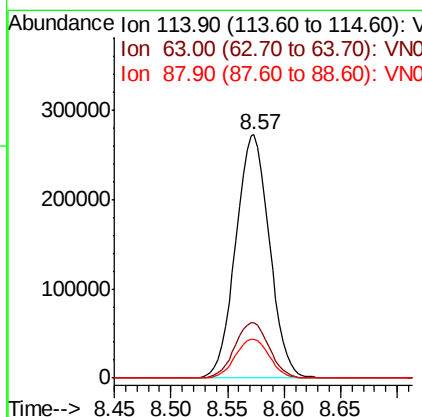
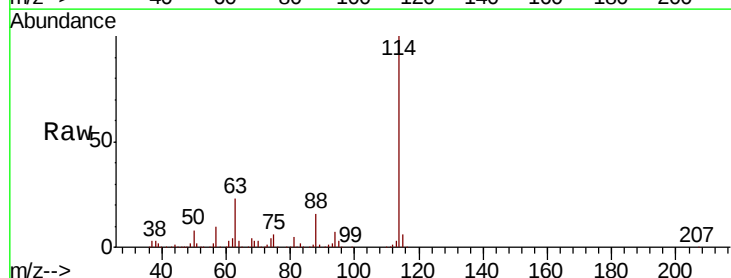
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

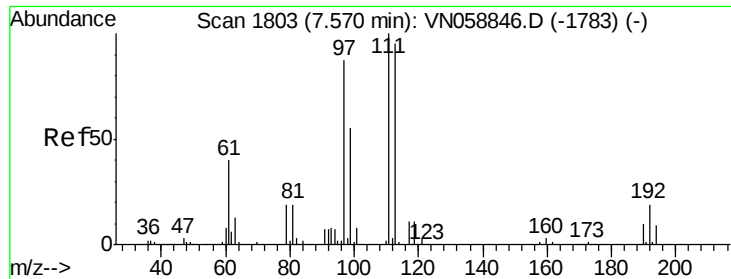
Tot Ion: 65 Resp: 259702
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 114 Resp: 565781
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.4
 88 16.2 0.0 31.4

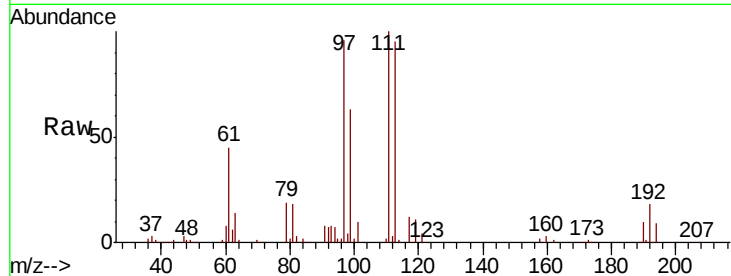




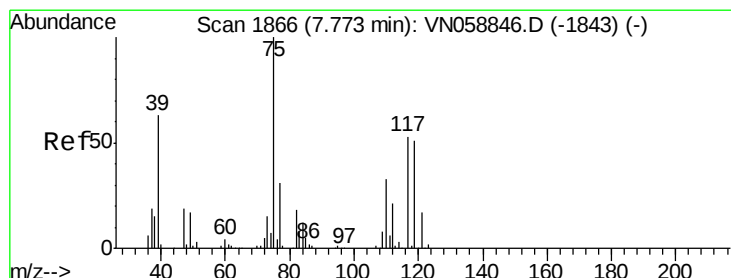
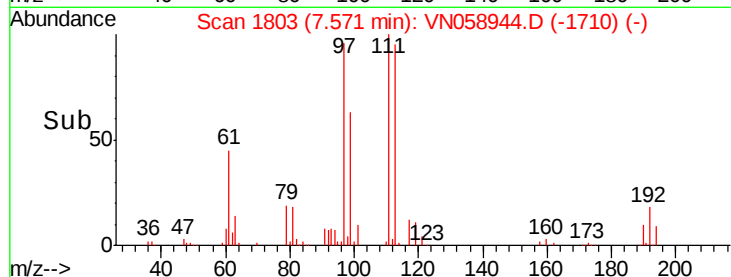
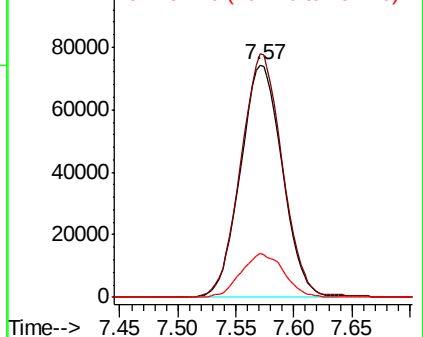
#35
Dibromofluoromethane
Concen: 50.235 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion:113 Resp: 186866
Ion Ratio Lower Upper
113 100
111 103.8 82.0 123.0
192 19.2 15.0 22.6

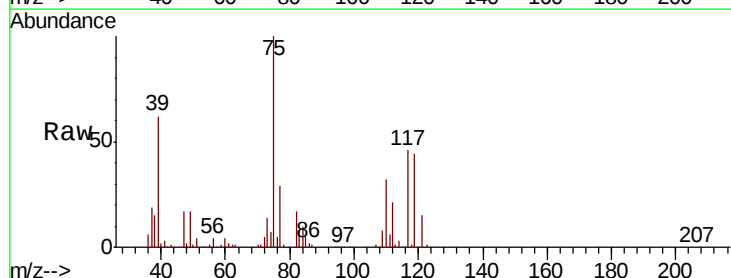


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

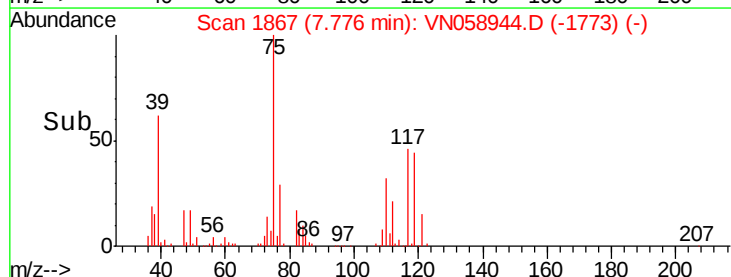
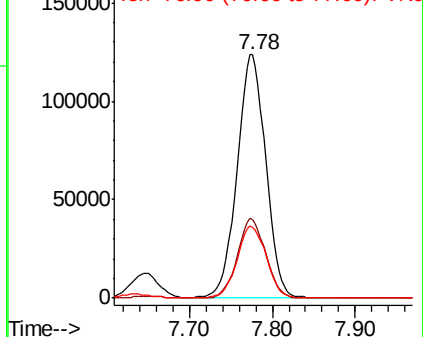


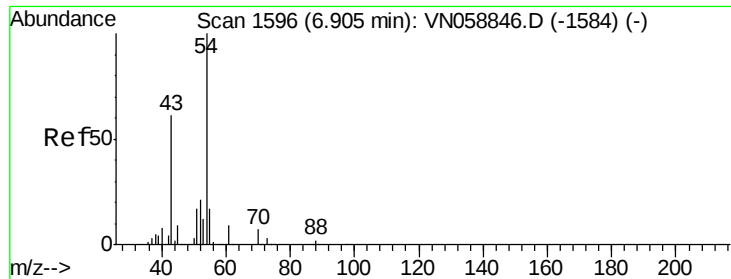
#36
1,1-Dichloropropene
Concen: 51.470 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 75 Resp: 298134
Ion Ratio Lower Upper
75 100
110 32.1 16.3 48.9
77 30.2 24.6 36.8



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

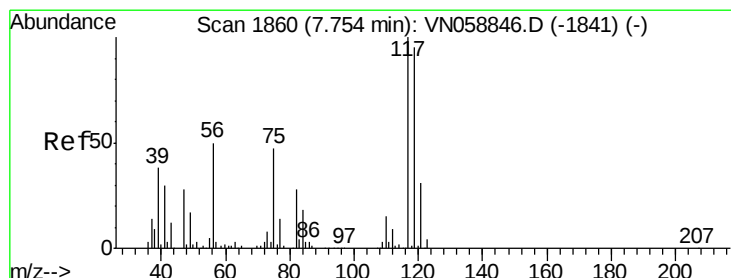
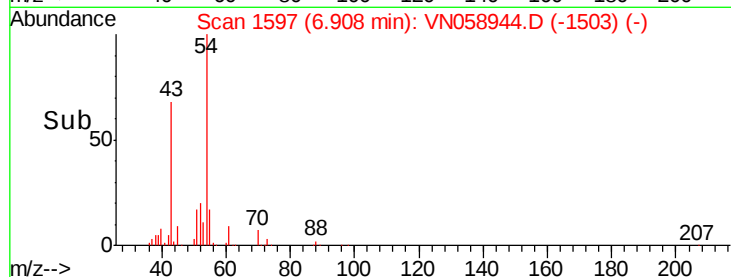
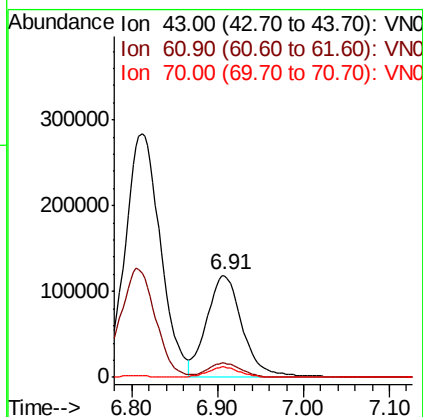
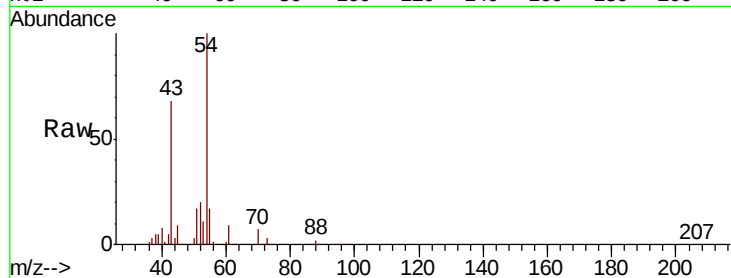




#37
Ethyl Acetate
Concen: 53.786 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

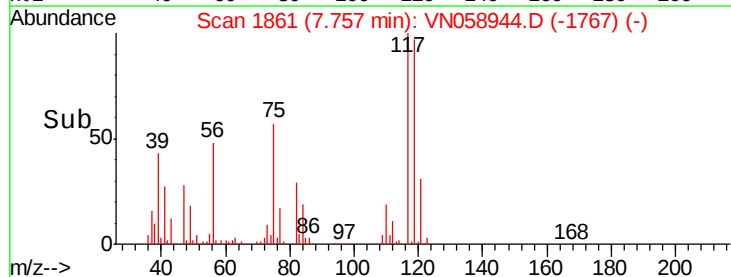
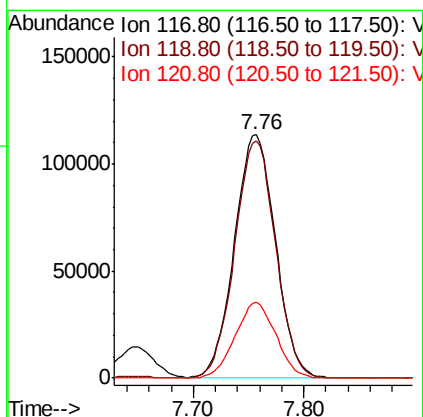
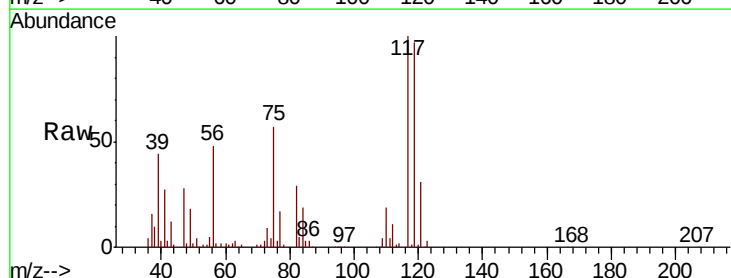
Instrument :
MSVOA_N
ClientSampleId :
BFB

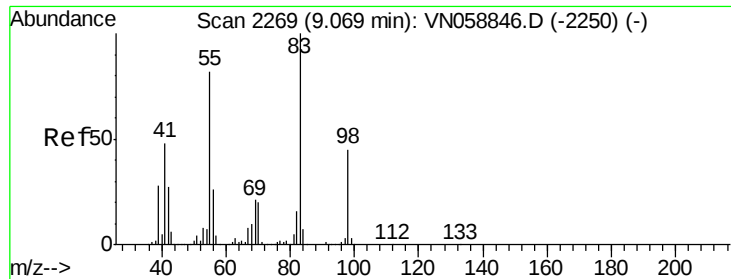
Tot Ion: 43 Resp: 339474
Ion Ratio Lower Upper
43 100
61 13.0 10.5 15.7
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.254 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 117 Resp: 293914
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5
121 31.3 25.0 37.6

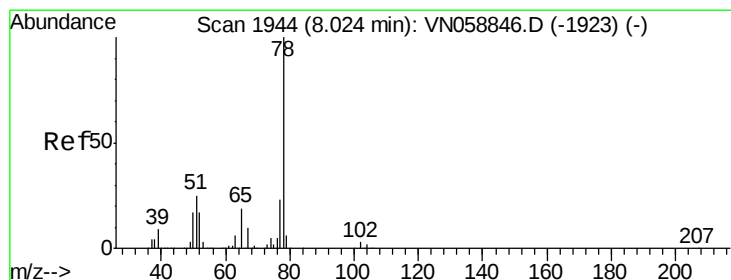
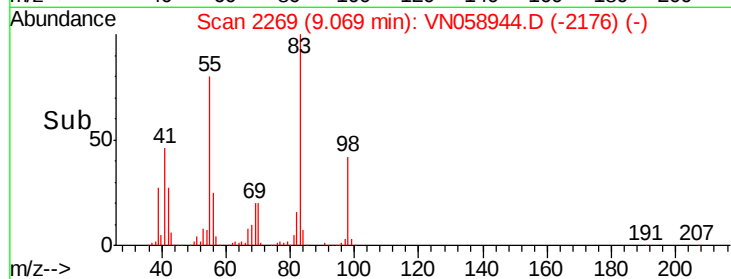
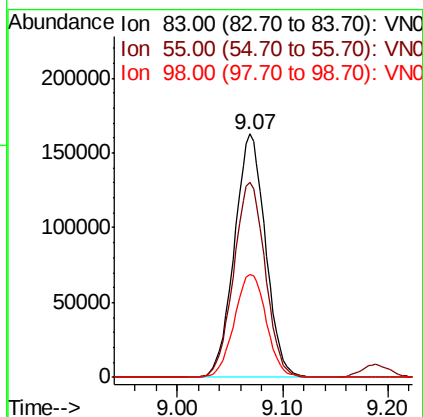
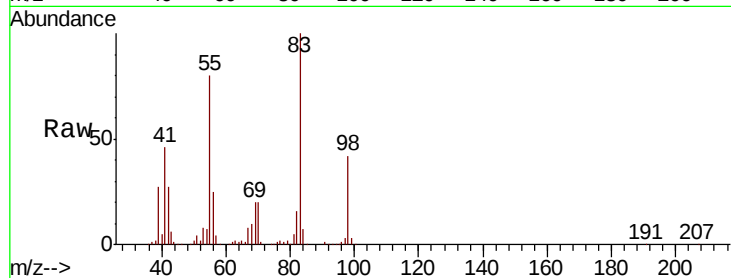




#39
Methvlcvclohexane
Concen: 51.041 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

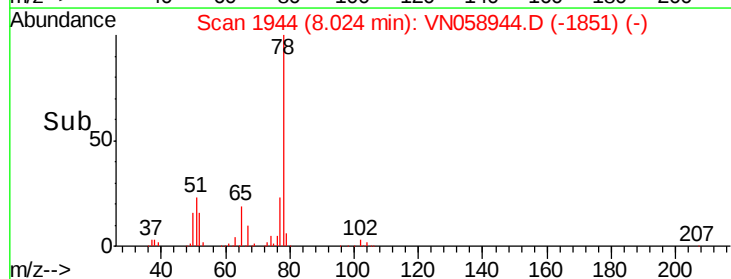
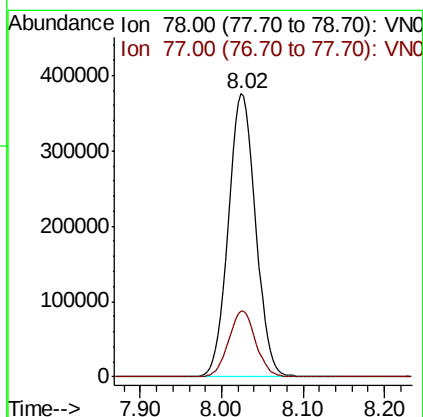
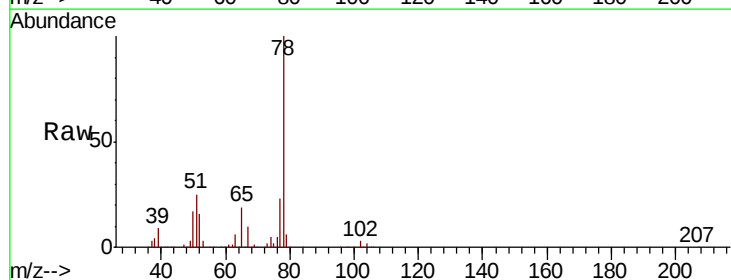
Instrument :
MSVOA_N
ClientSampled :
BFB

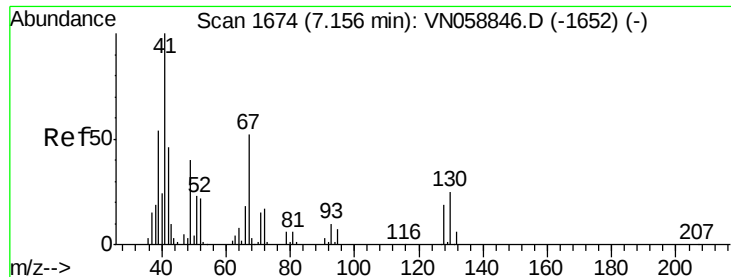
Tot Ion: 83 Resp: 331975
Ion Ratio Lower Upper
83 100
55 80.0 65.5 98.3
98 42.4 35.7 53.5



#40
Benzene
Concen: 51.880 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 78 Resp: 882437
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

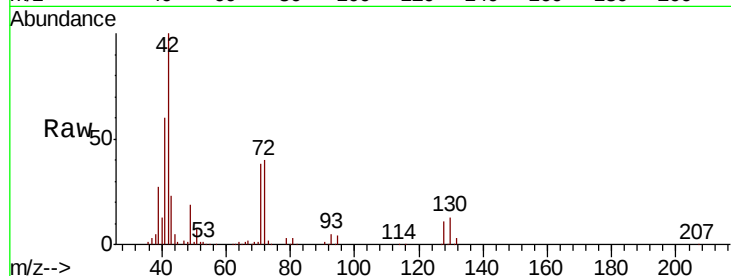




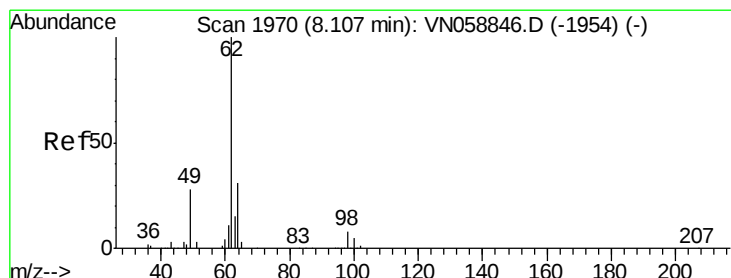
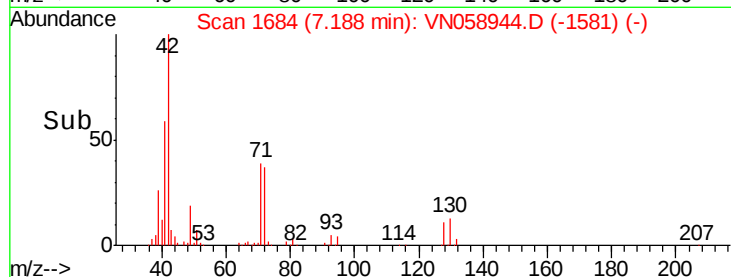
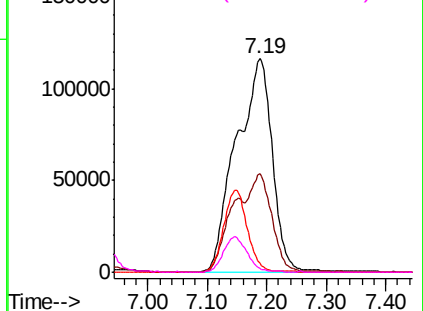
#41
Methacrylonitrile
Concen: 175.150 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:	41	Resp:	492351
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

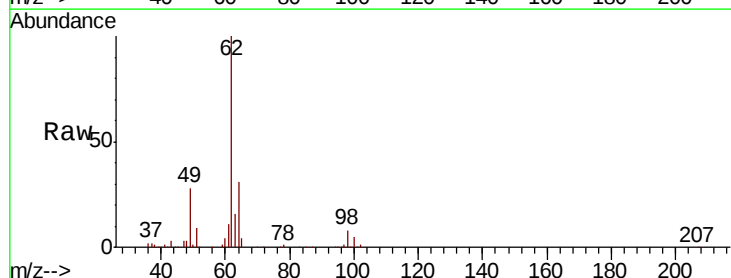


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

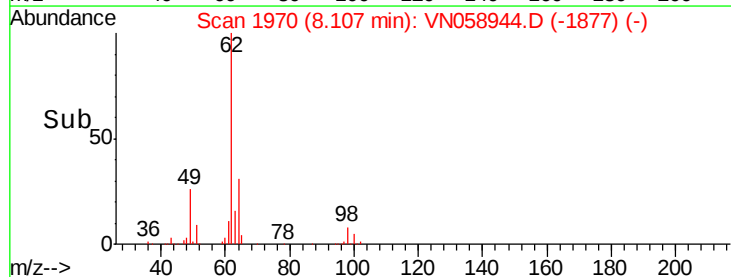
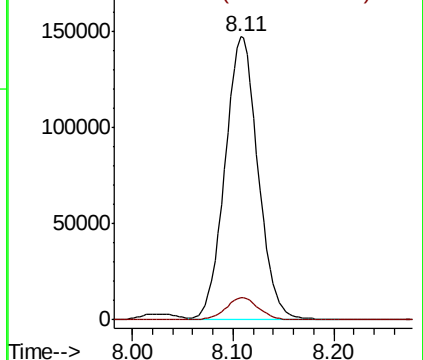


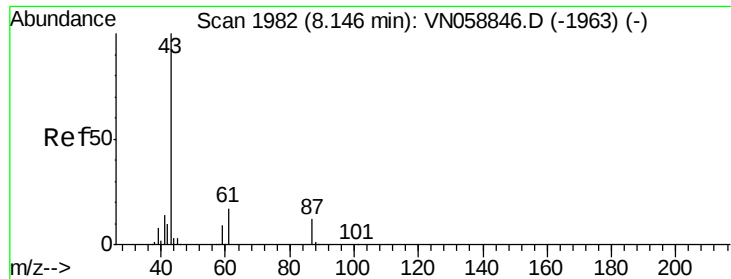
#42
1,2-Dichloroethane
Concen: 51.038 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion:	62	Resp:	334409
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.2



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

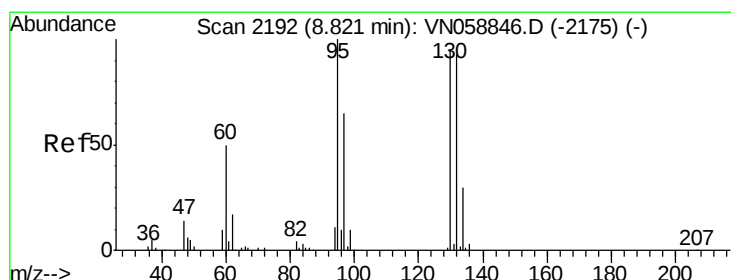
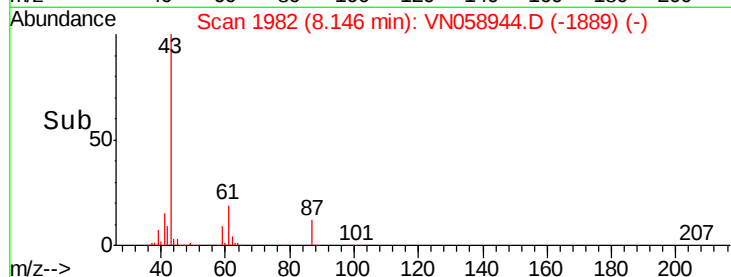
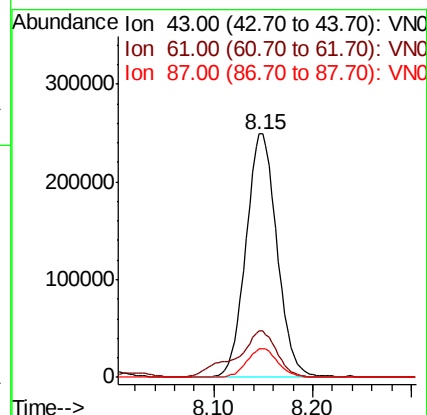
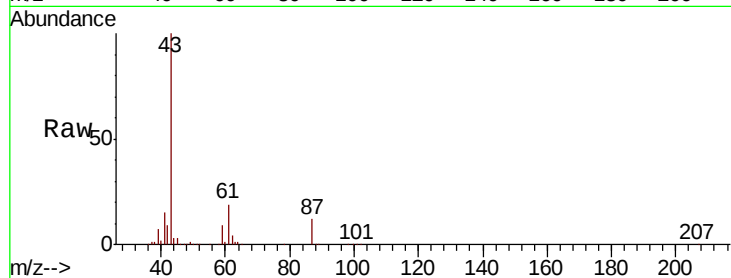




#43
Isopropyl Acetate
Concen: 53.289 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

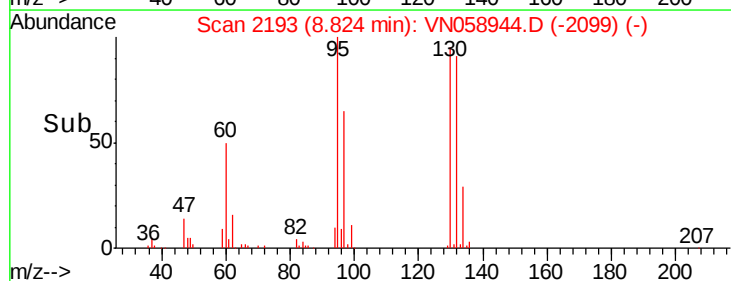
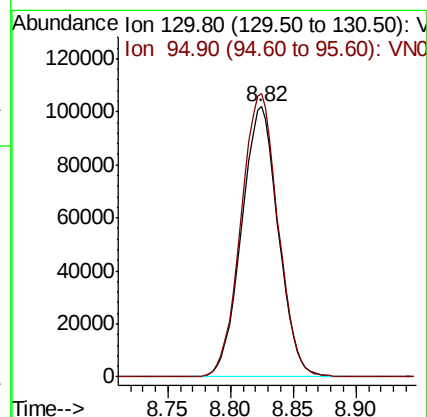
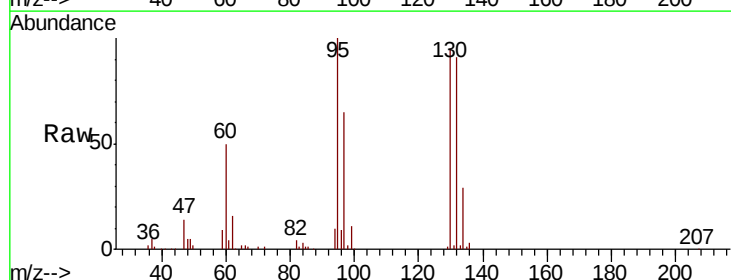
Instrument :
MSVOA_N
ClientSampleId :
BFB

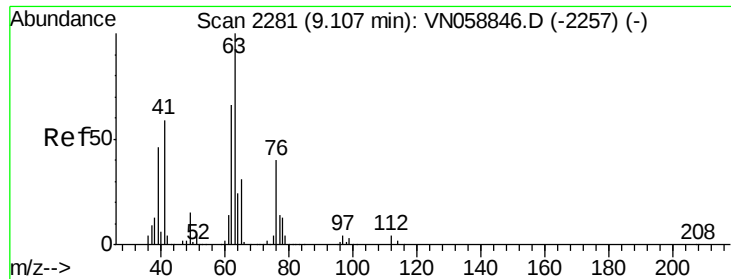
Tot Ion: 43 Resp: 539404
Ion Ratio Lower Upper
43 100
61 25.1 20.2 30.2
87 11.8 9.5 14.3



#44
Trichloroethene
Concen: 50.110 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion:130 Resp: 207626
Ion Ratio Lower Upper
130 100
95 104.8 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.451 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

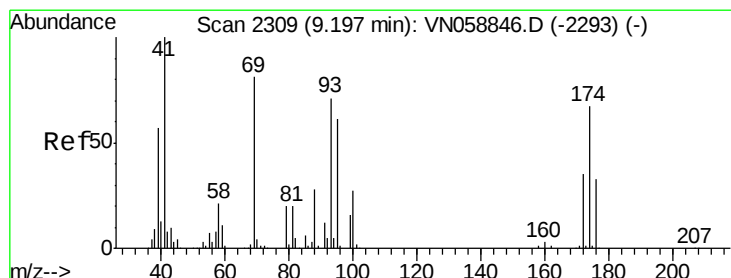
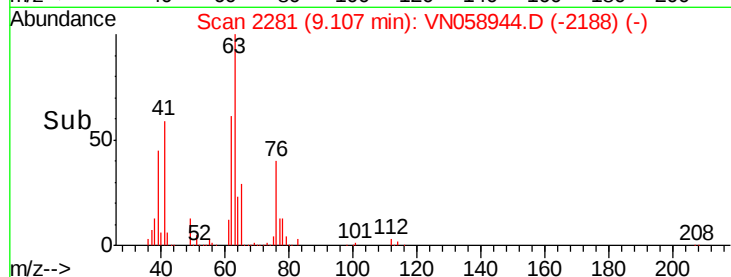
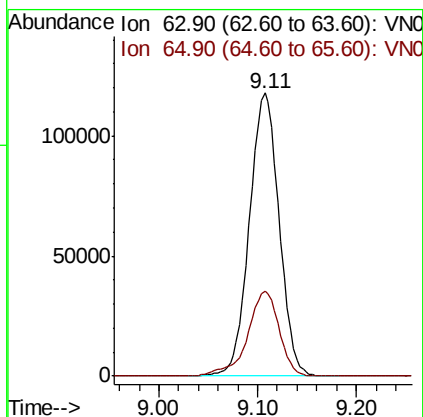
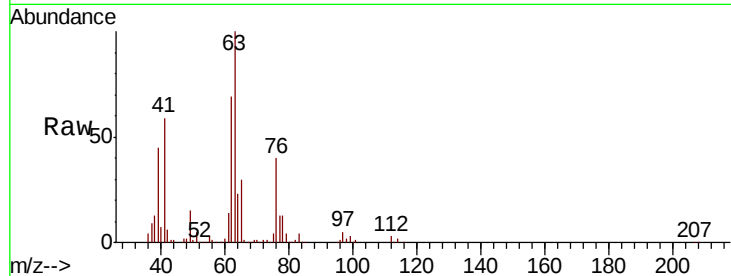
BFB

Tot Ion: 63 Resp: 244643

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



#46

Dibromomethane

Concen: 50.921 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

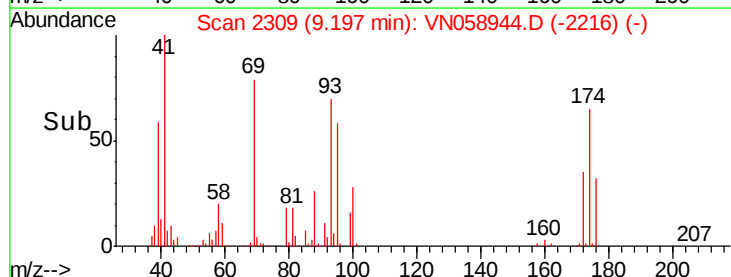
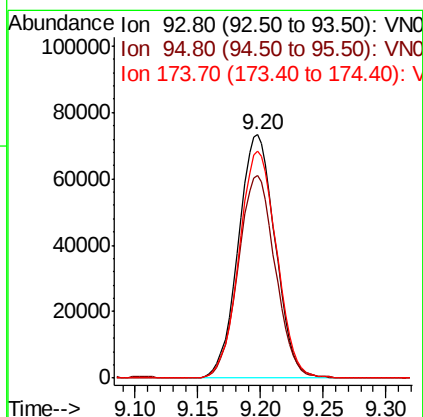
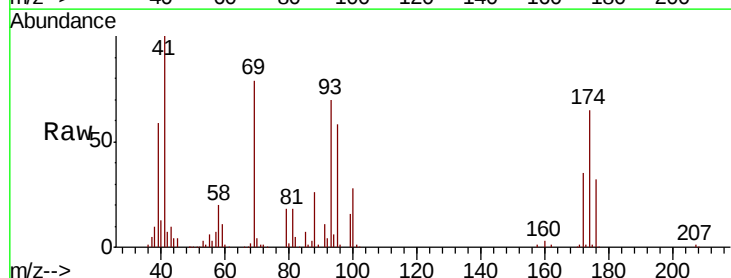
Tgt Ion: 93 Resp: 150145

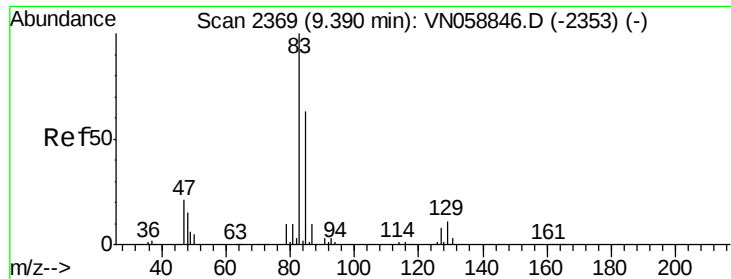
Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 94.4 74.1 111.1

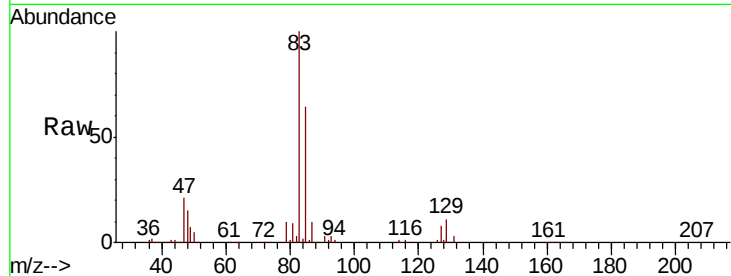




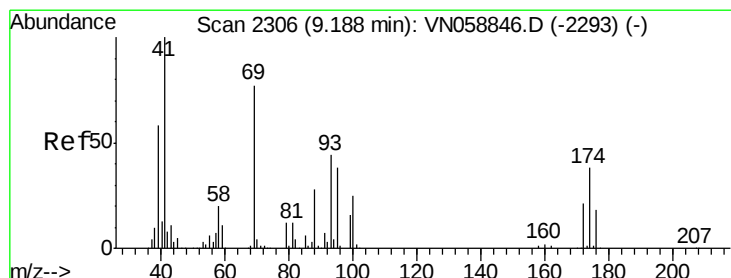
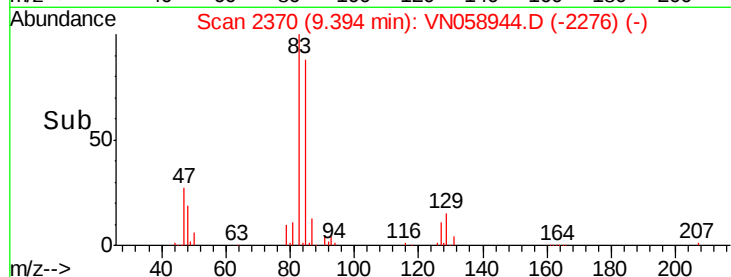
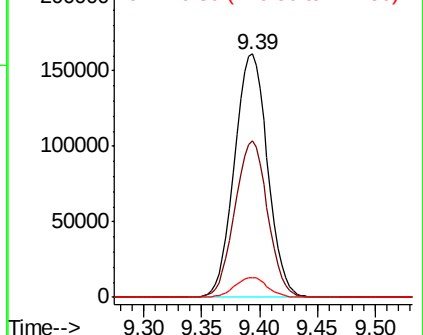
#47
 Bromodichloromethane
 Concen: 52.628 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion: 83 Resp: 319836
 Ion Ratio Lower Upper
 83 100
 85 64.3 50.6 75.8
 127 8.3 6.5 9.7

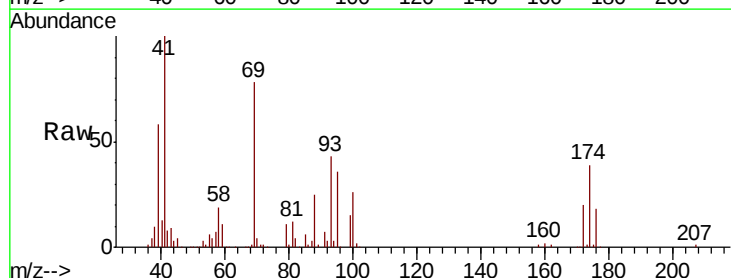


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

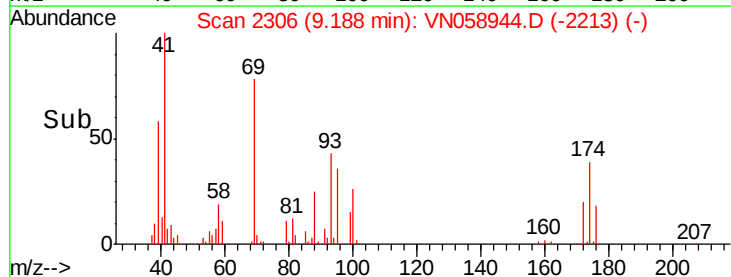
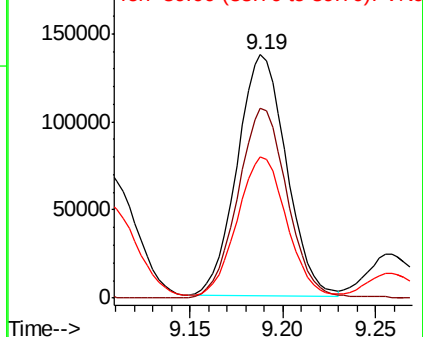


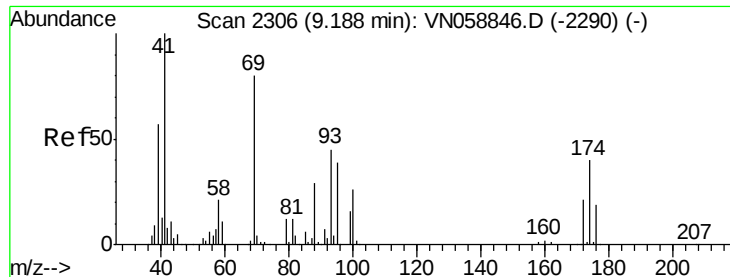
#48
 Methyl methacrylate
 Concen: 54.993 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 41 Resp: 252557
 Ion Ratio Lower Upper
 41 100
 69 79.9 63.8 95.6
 39 59.5 47.8 71.8



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

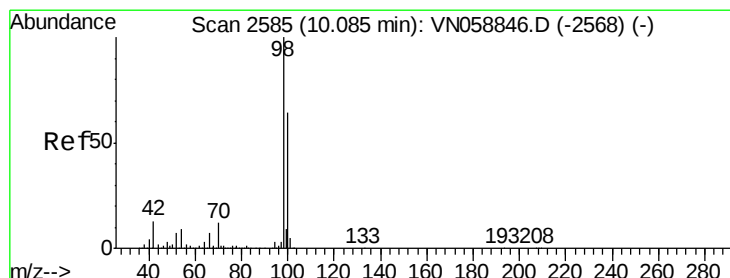
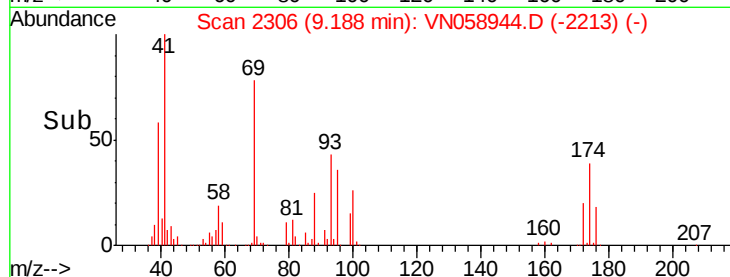
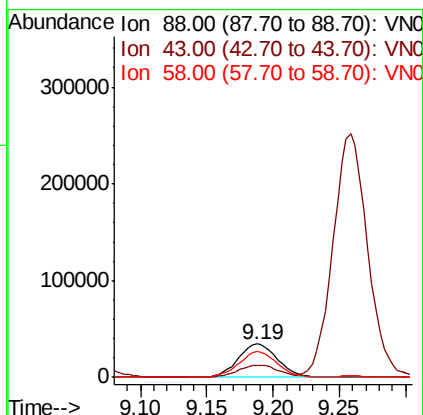
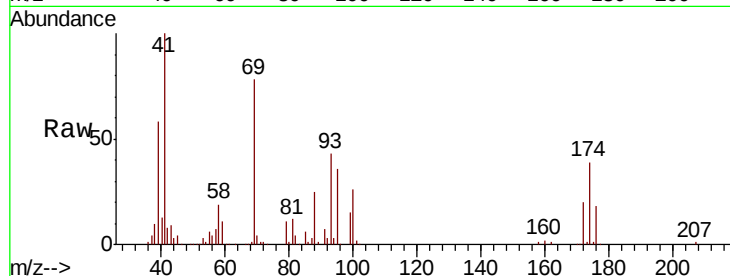




#49
 1,4-Dioxane
 Concen: 952.560 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

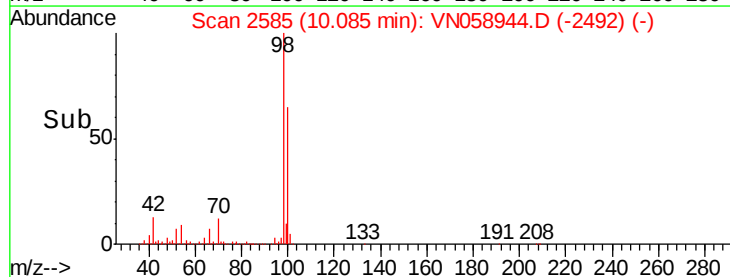
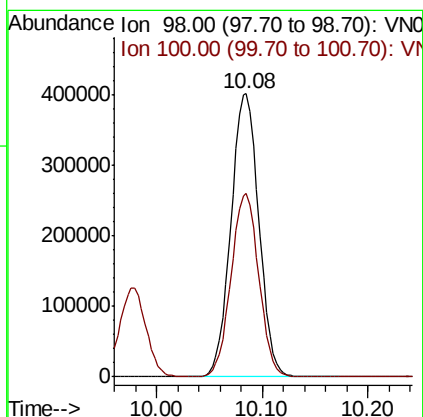
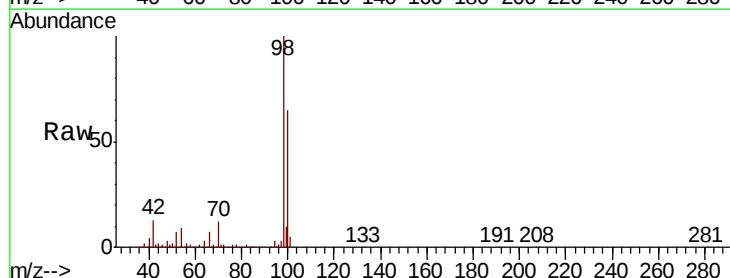
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

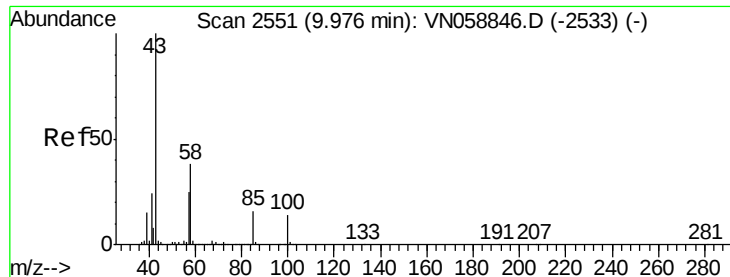
Tot Ion: 88 Resp: 71813
 Ion Ratio Lower Upper
 88 100
 43 36.1 29.1 43.7
 58 75.0 59.4 89.0



#50
 Toluene-d8
 Concen: 50.936 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 98 Resp: 735510
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 291.969 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

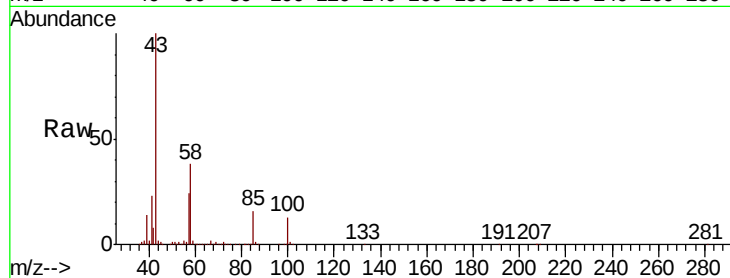
BFB

Tot Ion: 43 Resp: 1726231

Ion Ratio Lower Upper

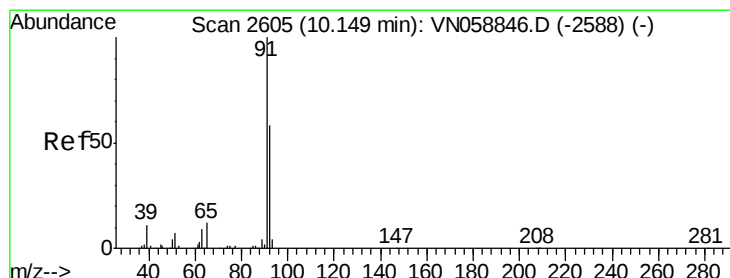
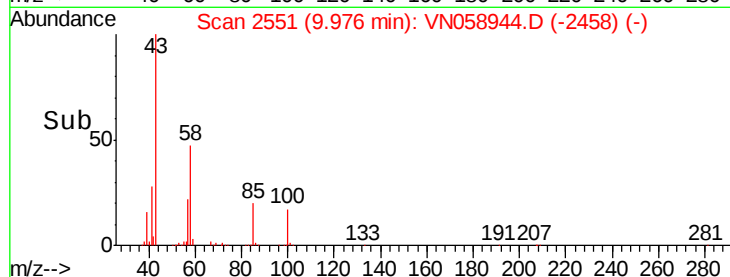
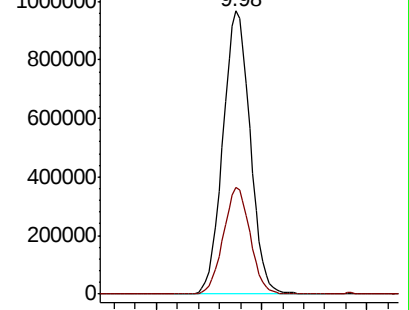
43 100

58 37.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)



#52

Toluene

Concen: 53.954 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058944.D

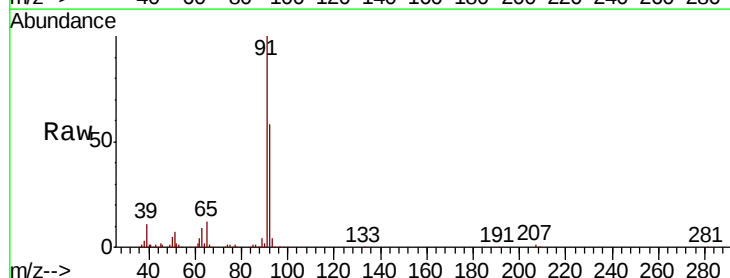
Acq: 23 Oct 2019 20:54

Tgt Ion: 92 Resp: 544219

Ion Ratio Lower Upper

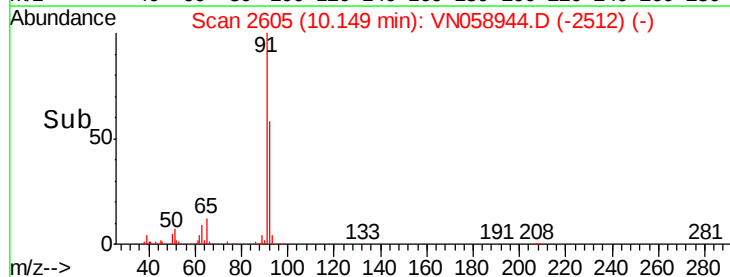
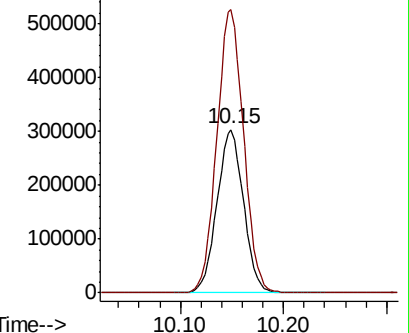
92 100

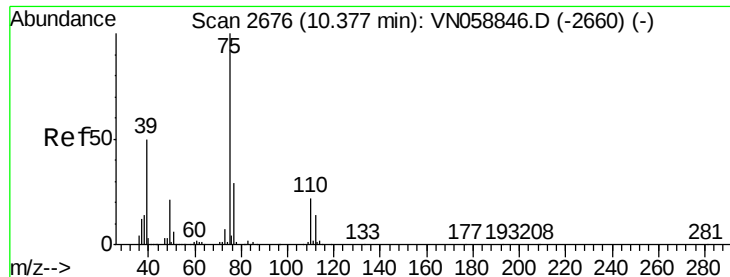
91 175.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 53.021 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

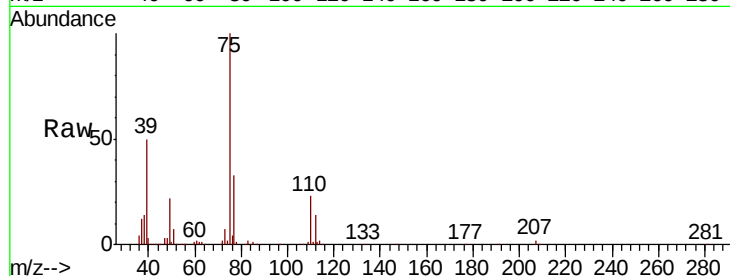
BFB

Tot Ion: 75 Resp: 356707

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

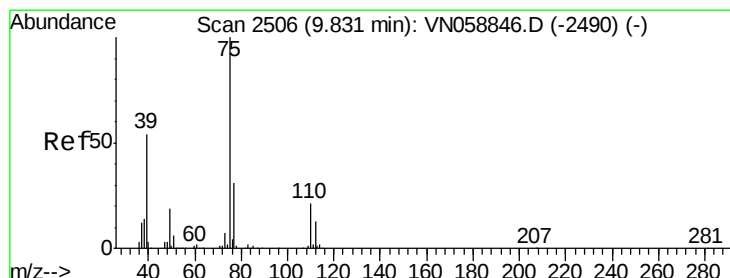
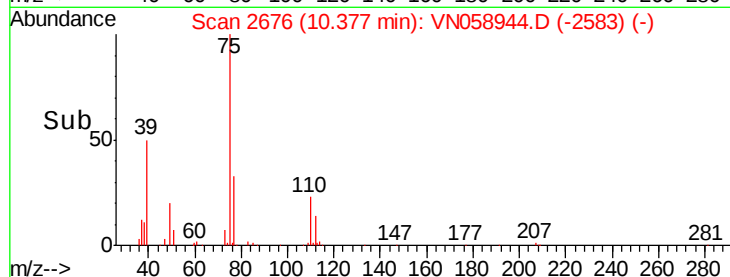
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.957 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

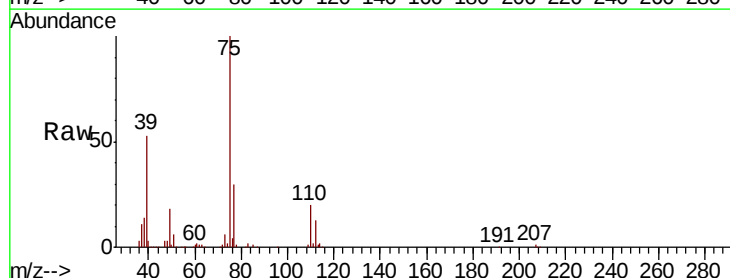
Tgt Ion: 75 Resp: 380638

Ion Ratio Lower Upper

75 100

77 30.2 24.7 37.1

39 53.4 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

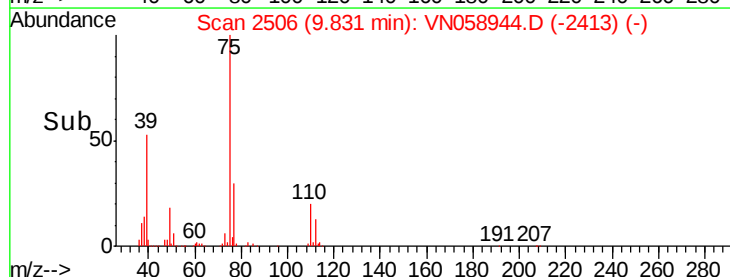
150000

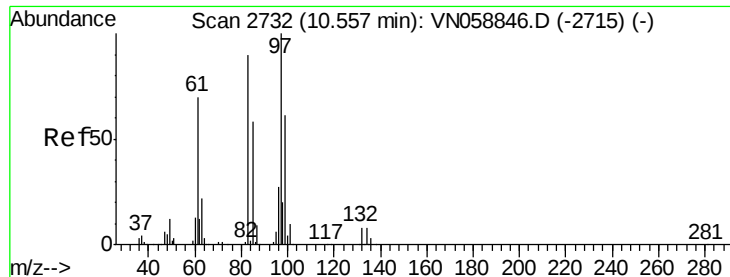
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.078 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

Tot Ion: 97 Resp: 216398

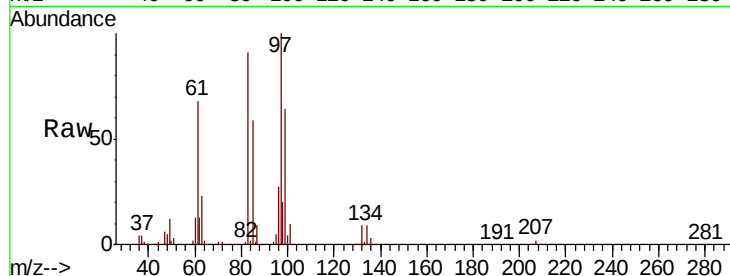
Ion Ratio Lower Upper

97 100

83 91.1 72.2 108.4

85 58.6 46.2 69.2

99 64.3 48.7 73.1

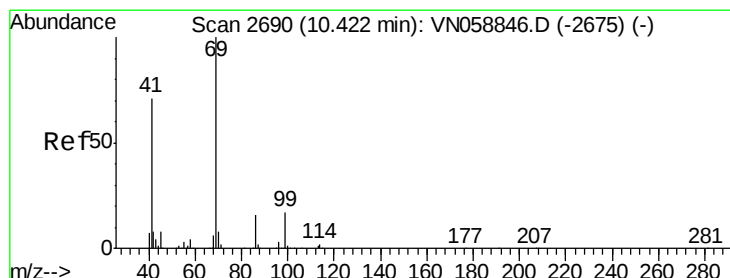
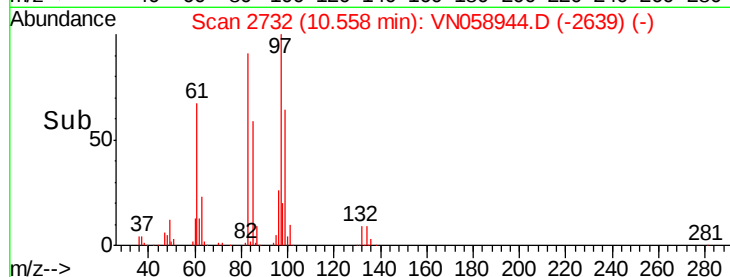
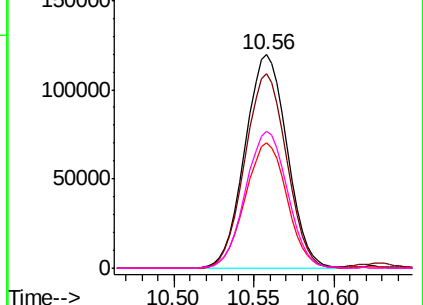


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.626 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

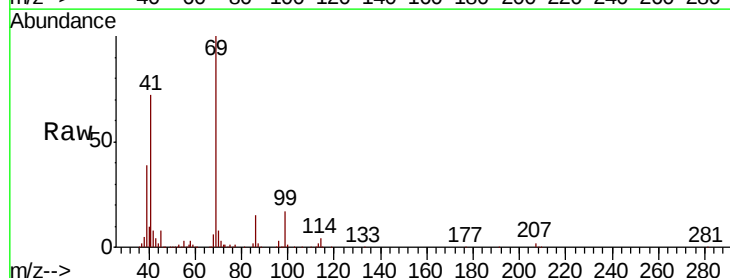
Tgt Ion: 69 Resp: 346276

Ion Ratio Lower Upper

69 100

41 71.6 57.2 85.8

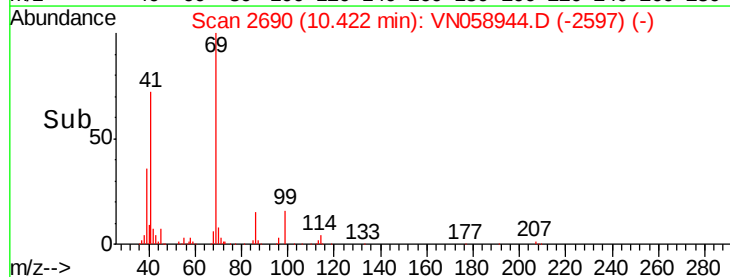
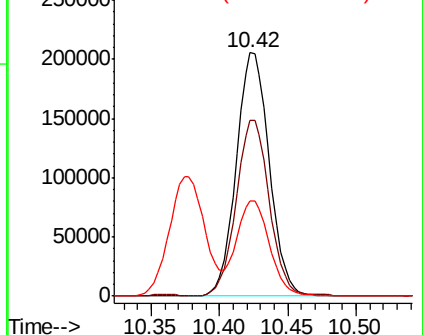
39 38.6 31.0 46.4

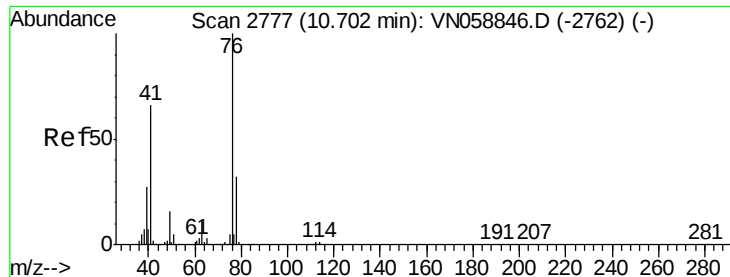


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.713 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

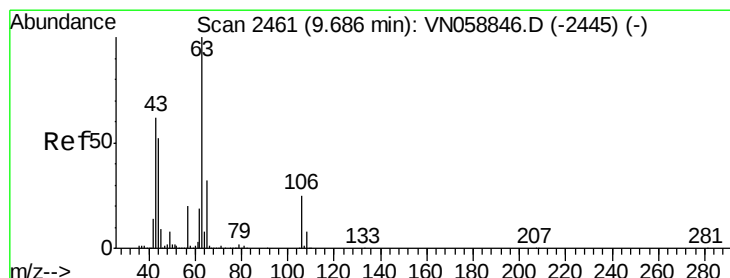
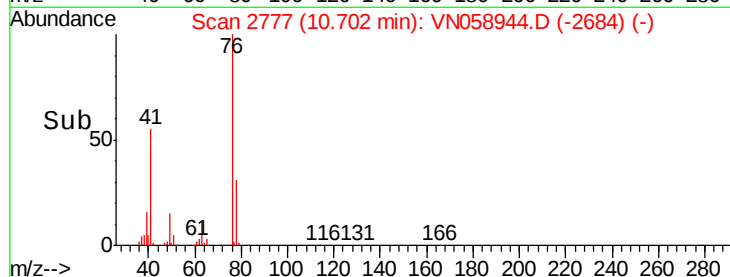
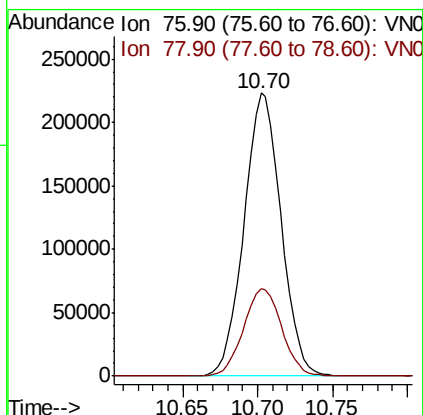
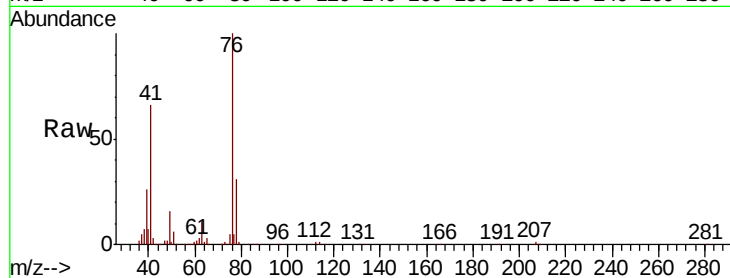
BFB

Tot Ion: 76 Resp: 384438

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 253.970 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058944.D

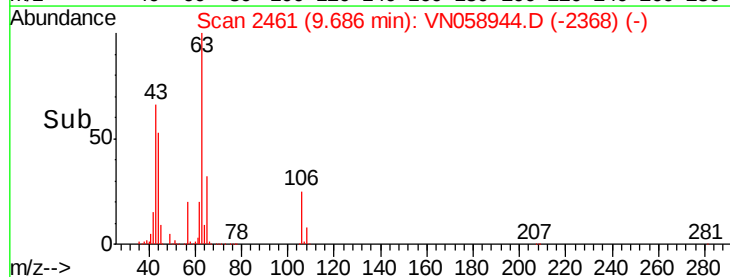
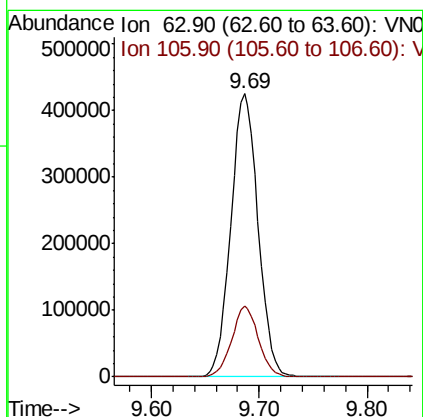
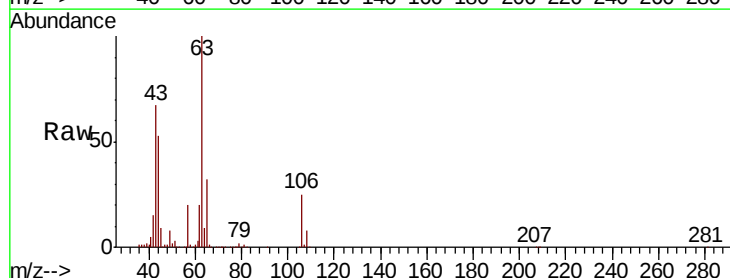
Acq: 23 Oct 2019 20:54

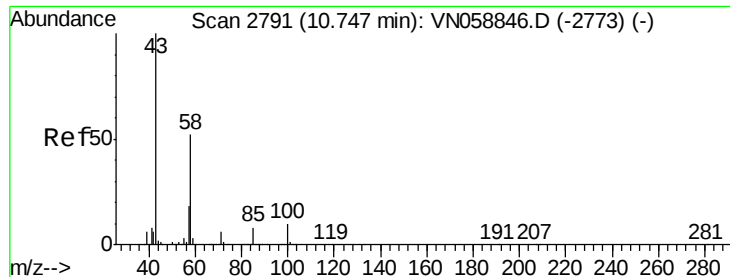
Tgt Ion: 63 Resp: 748835

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8

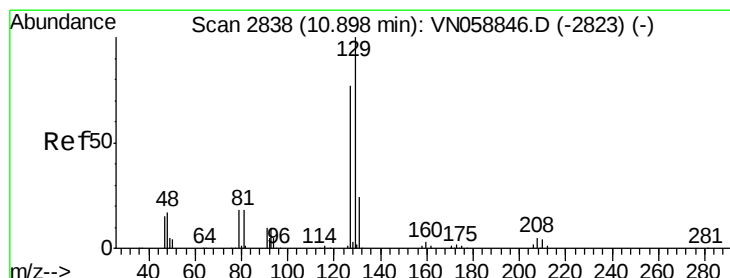
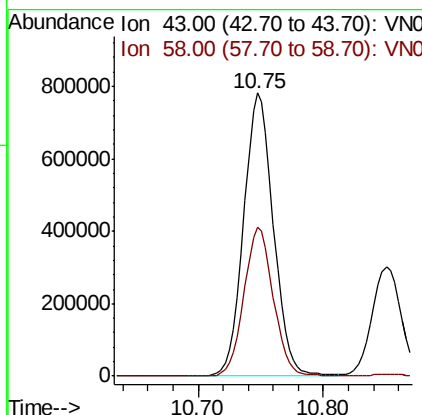
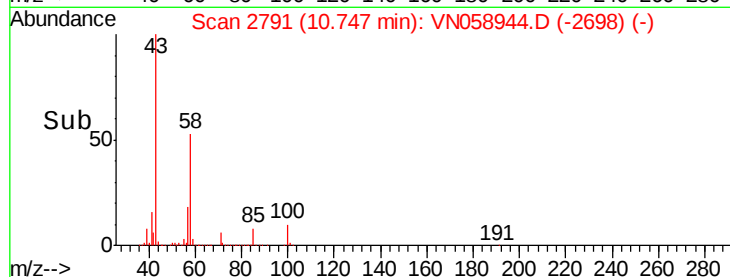
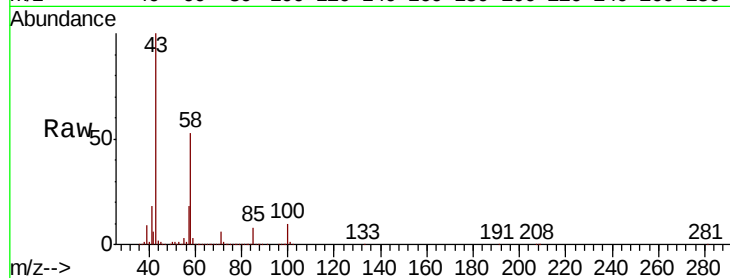




#59
2-Hexanone
Concen: 281.576 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

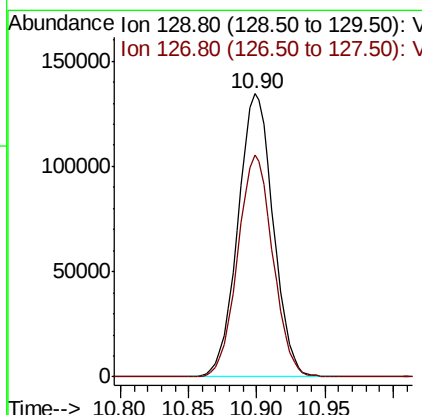
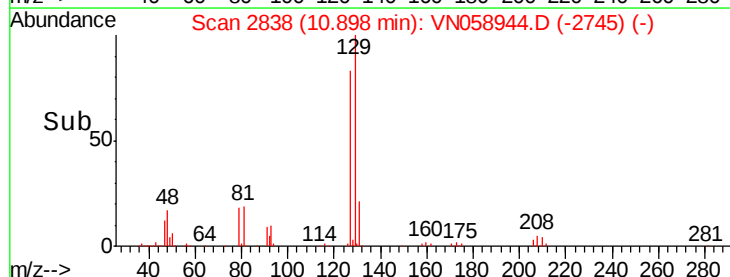
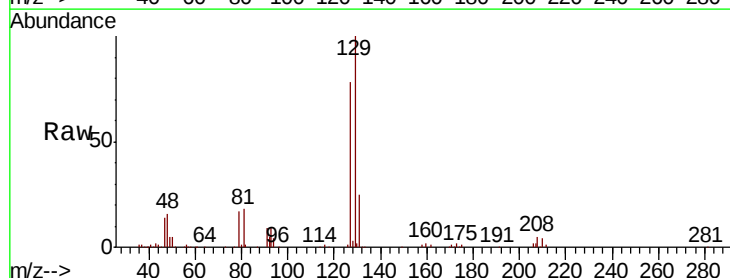
Instrument :
MSVOA_N
ClientSampled :
BFB

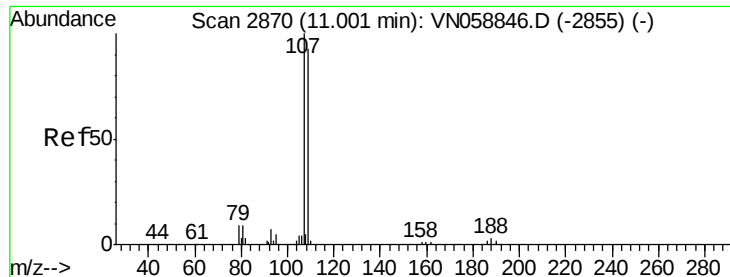
Tot Ion: 43 Resp: 1286433
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7



#60
Dibromochloromethane
Concen: 54.018 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion: 129 Resp: 241602
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.232 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

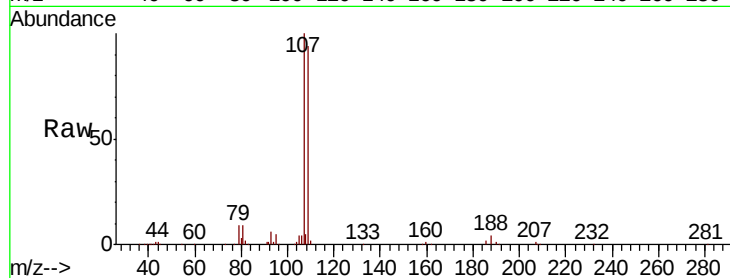
BFB

Tot Ion: 107 Resp: 226364

Ion Ratio Lower Upper

107 100

109 95.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

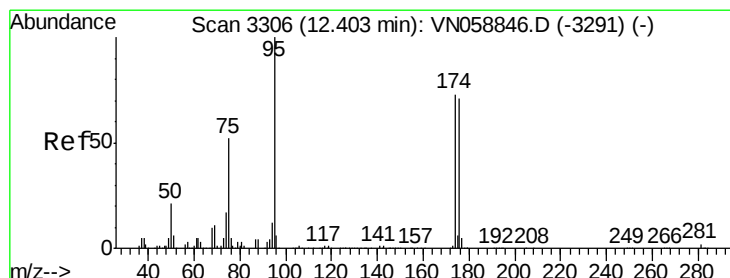
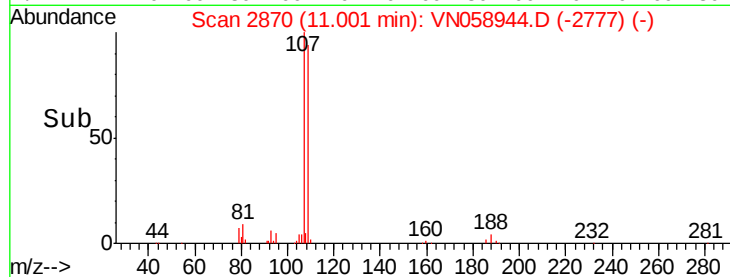
150000

100000

50000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 51.837 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

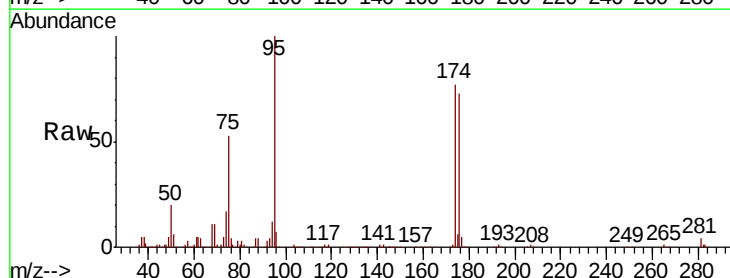
Tgt Ion: 95 Resp: 274876

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

176 74.0 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

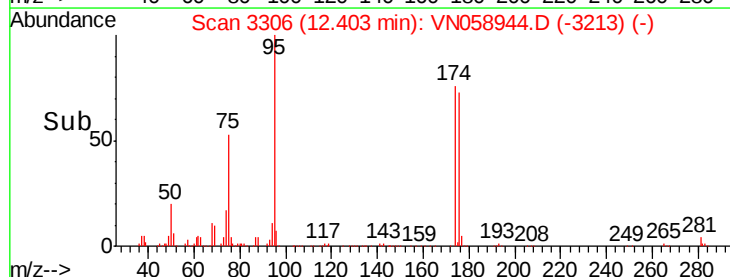
150000

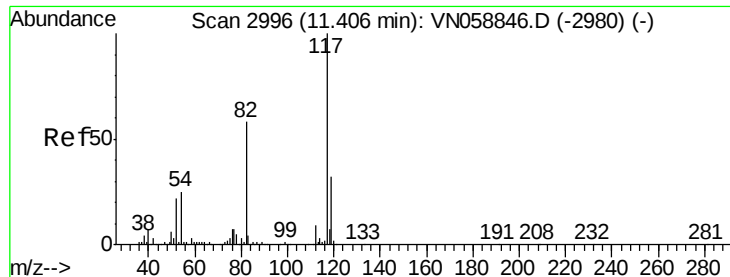
100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

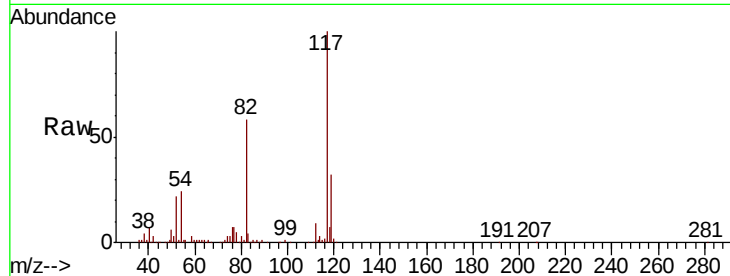
Tot Ion:117 Resp: 544135

Ion Ratio Lower Upper

117 100

82 58.4 46.6 69.8

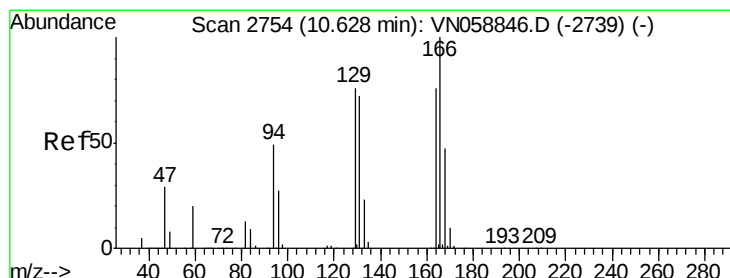
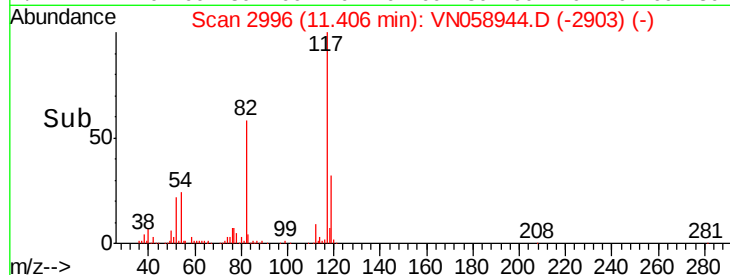
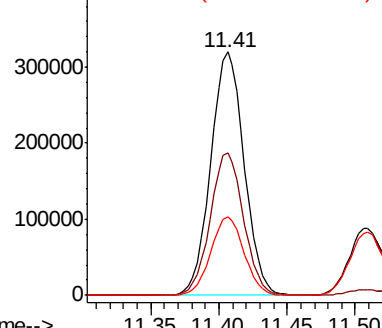
119 32.4 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.632 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion:164 Resp: 189134

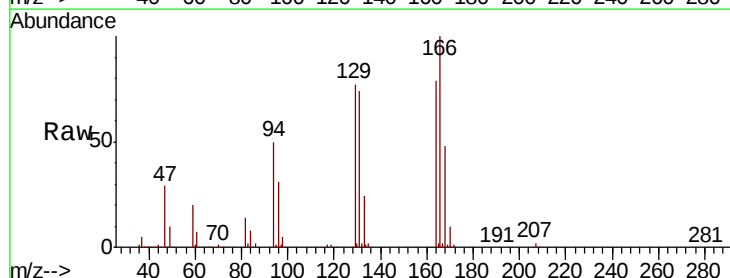
Ion Ratio Lower Upper

164 100

166 126.7 104.8 157.2

129 98.0 79.3 118.9

131 93.6 75.8 113.6

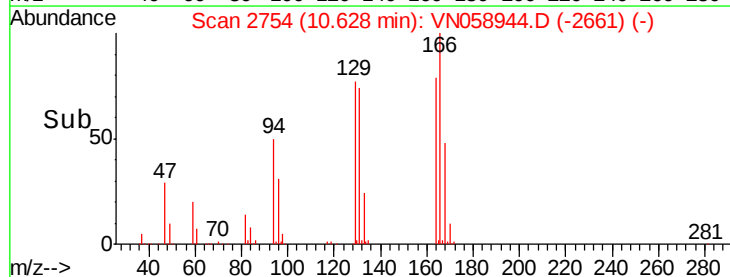
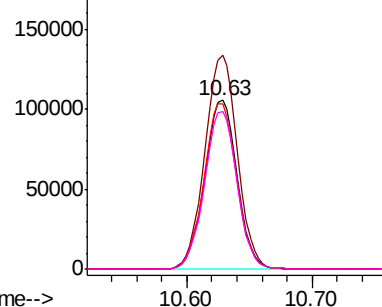


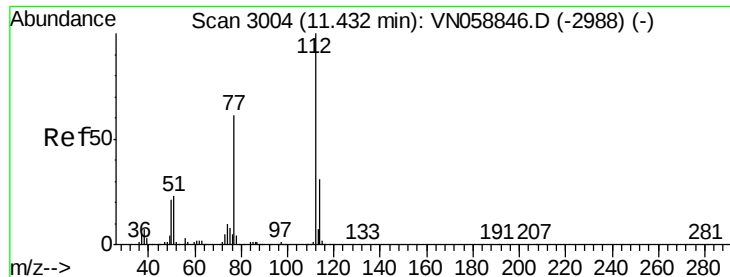
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

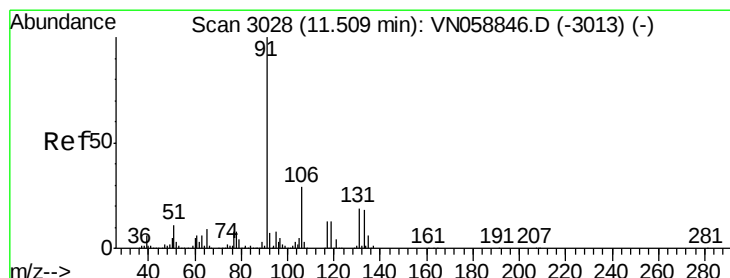
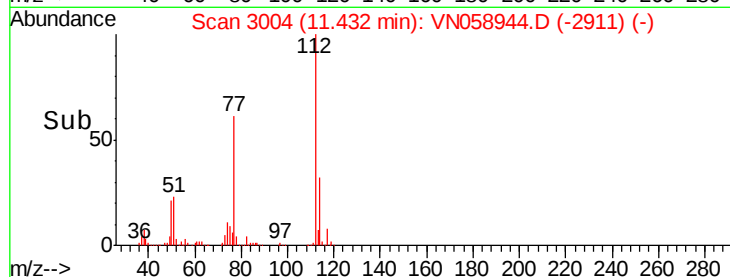
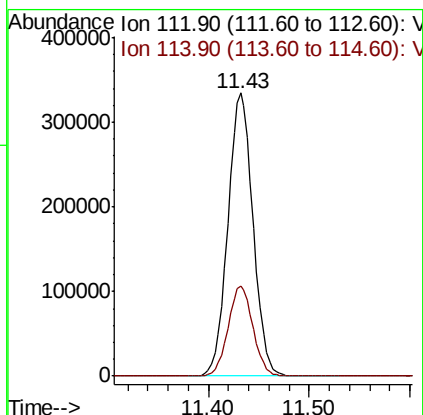
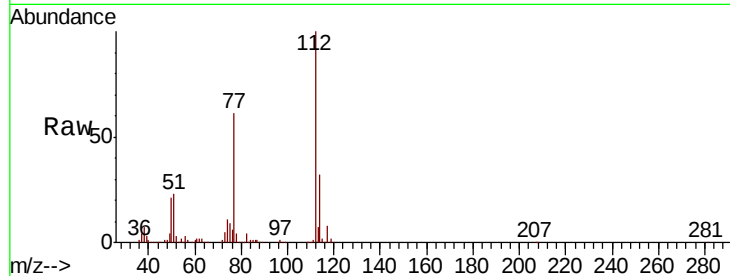




#65
Chlorobenzene
Concen: 52.331 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

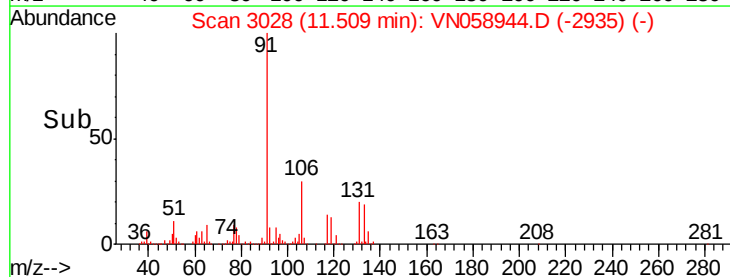
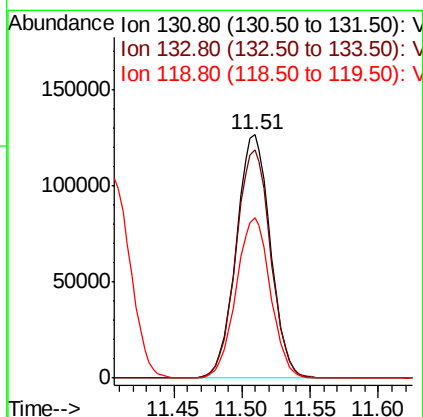
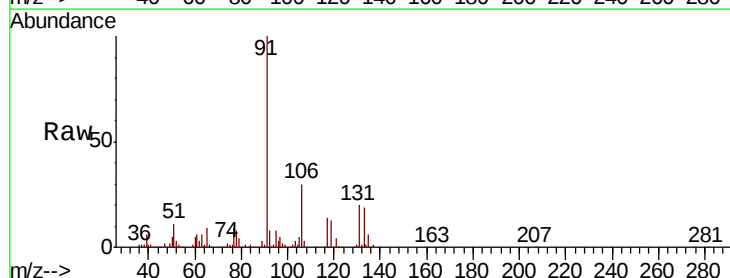
Instrument :
MSVOA_N
ClientSampled :
BFB

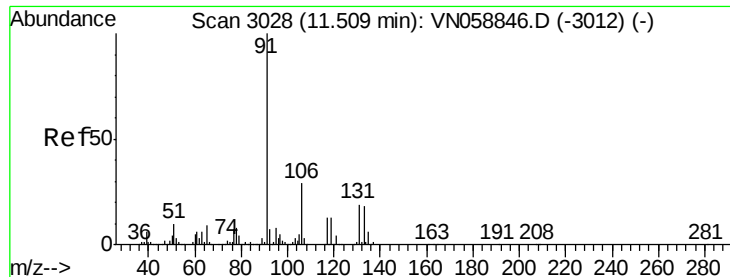
Tot Ion:112 Resp: 579711
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.521 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion:131 Resp: 219556
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.2
119 66.3 33.6 100.8





#67

Ethyl Benzene

Concen: 54.879 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

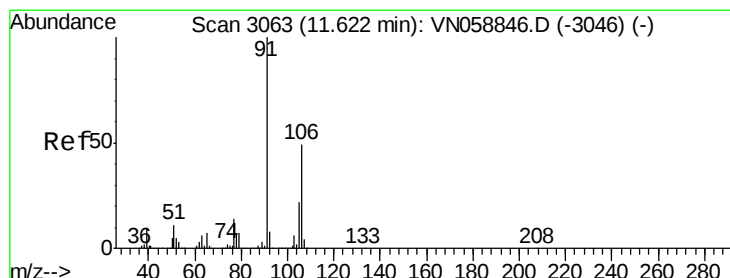
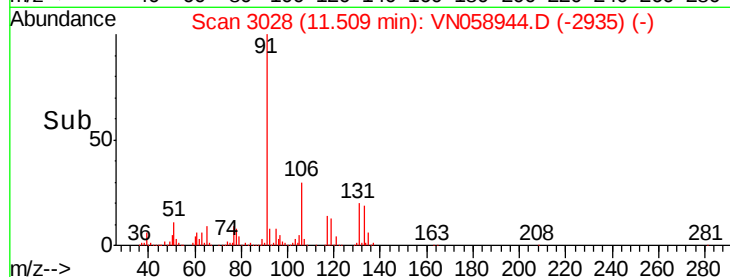
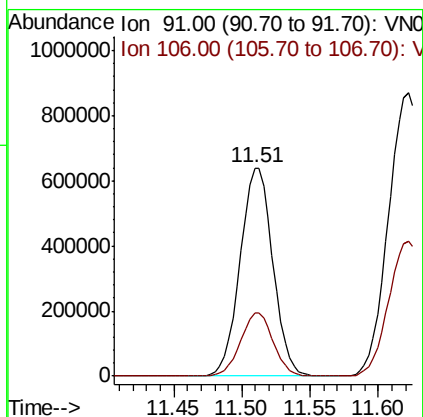
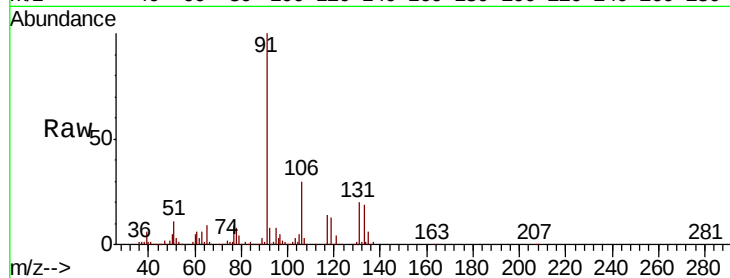
BFB

Tot Ion: 91 Resp: 1066462

Ion Ratio Lower Upper

91 100

106 30.1 23.4 35.0



#68

m/p-Xylenes

Concen: 109.412 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058944.D

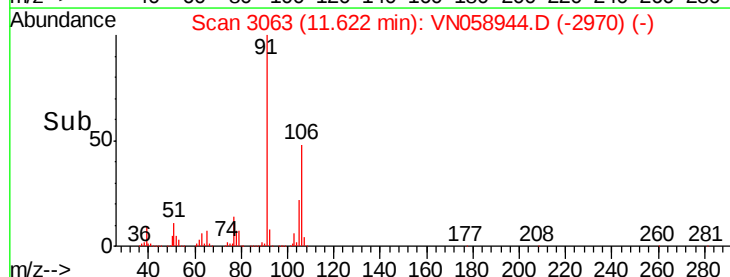
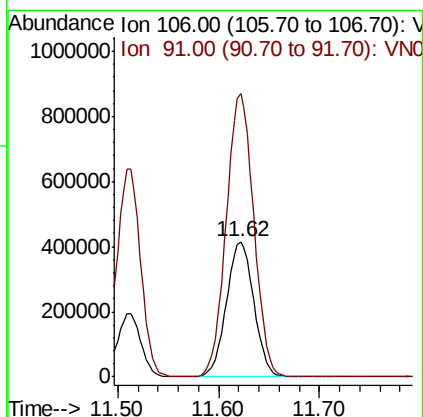
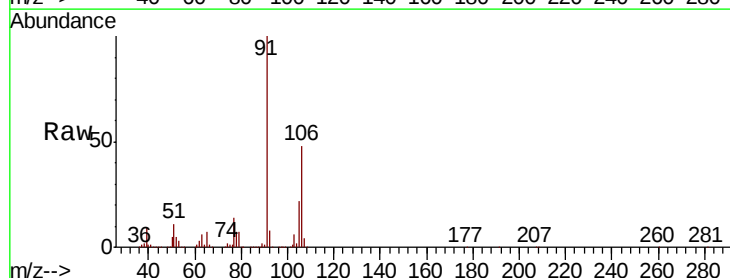
Acq: 23 Oct 2019 20:54

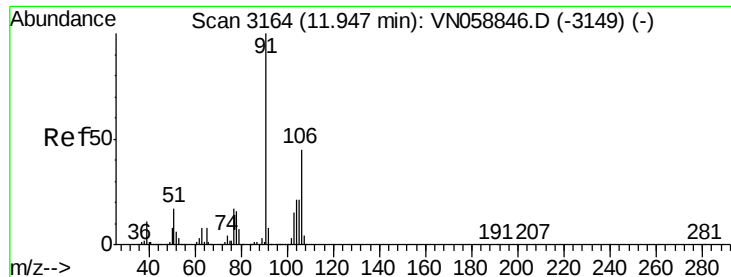
Tgt Ion: 106 Resp: 788500

Ion Ratio Lower Upper

106 100

91 209.7 166.6 249.8

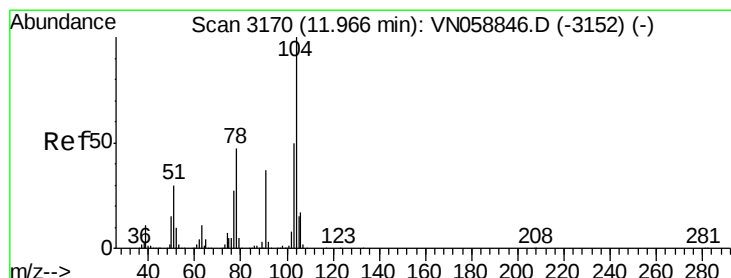
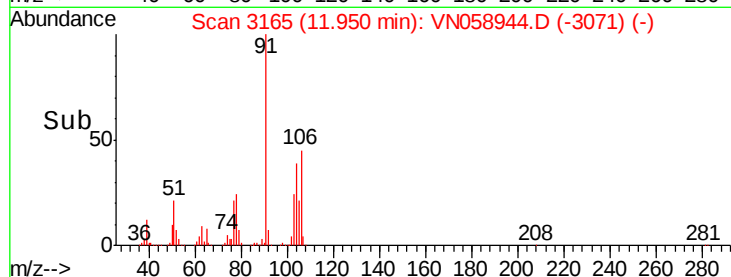
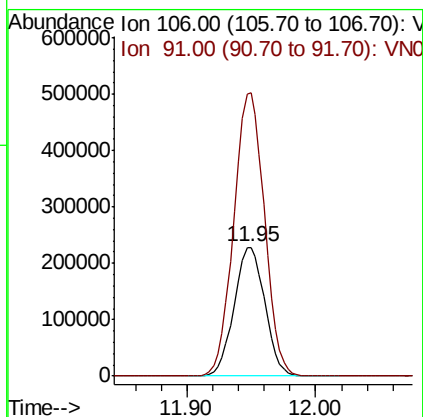
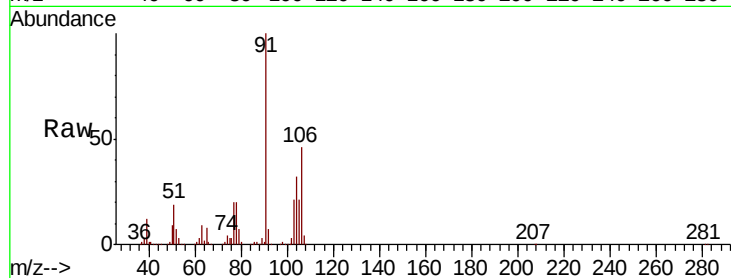




#69
o-Xylene
Concen: 55.085 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

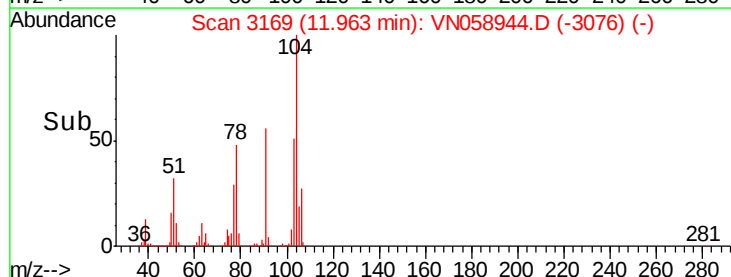
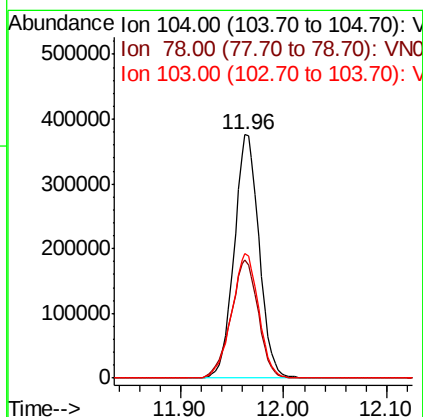
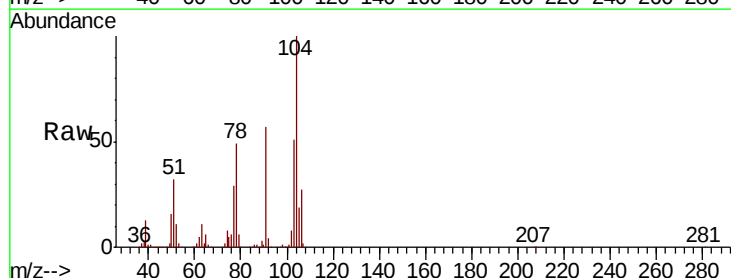
Instrument :
MSVOA_N
ClientSampled :
BFB

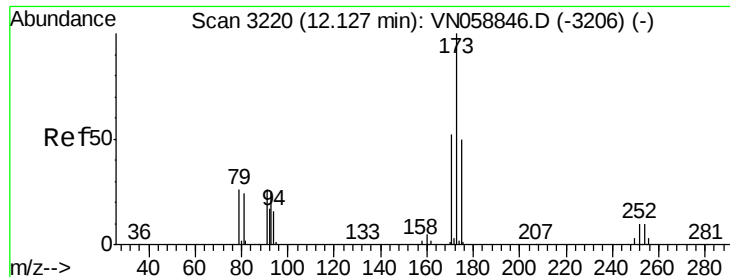
Tot Ion:106 Resp: 378612
Ion Ratio Lower Upper
106 100
91 219.5 111.5 334.4



#70
Styrene
Concen: 50.024 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion:104 Resp: 634674
Ion Ratio Lower Upper
104 100
78 52.9 42.8 64.2
103 55.1 44.3 66.5

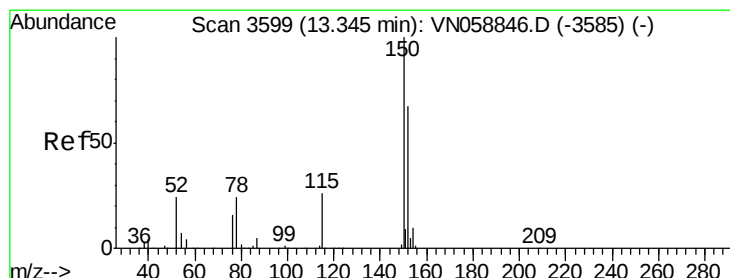
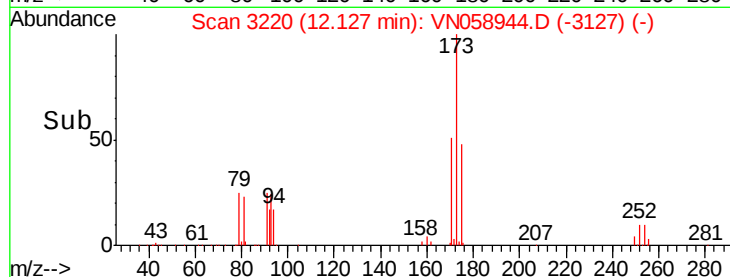
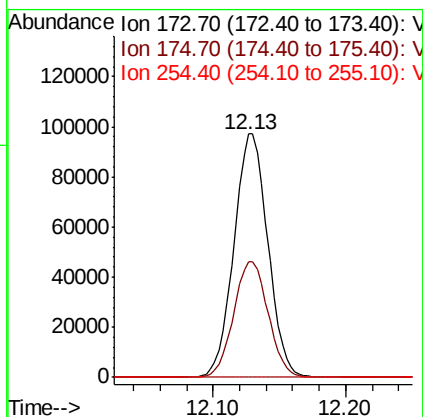
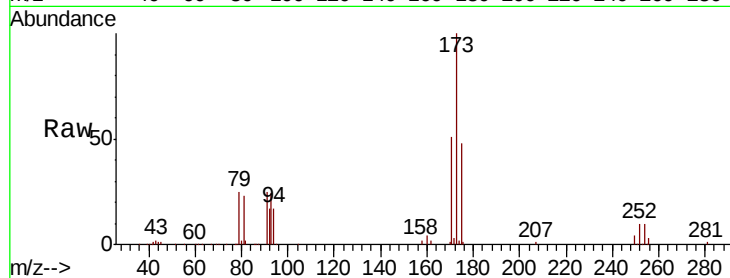




#71
Bromoform
Concen: 53.167 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

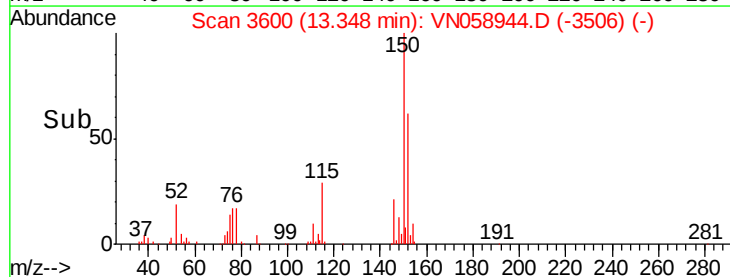
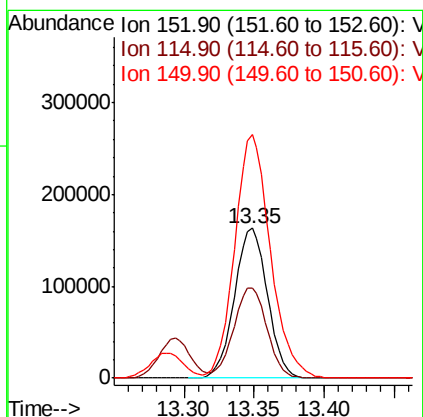
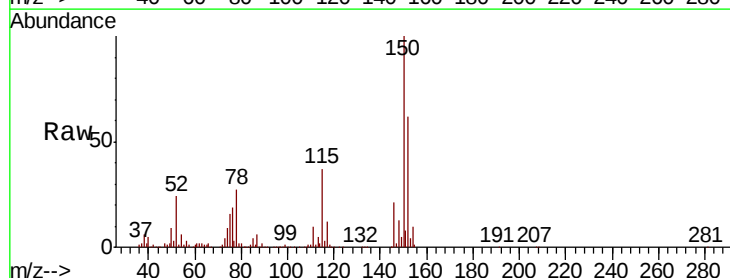
Instrument :
MSVOA_N
ClientSampleId :
BFB

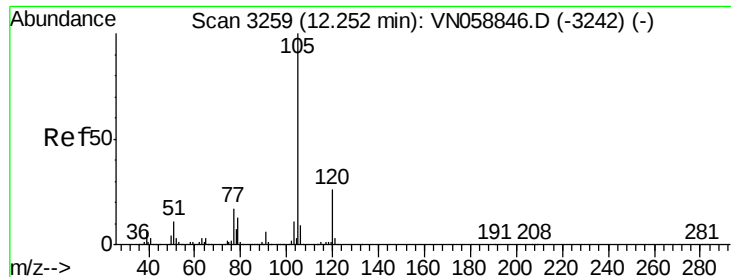
Tot Ion:173 Resp: 172345
Ion Ratio Lower Upper
173 100
175 48.3 24.7 74.1
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion:152 Resp: 267302
Ion Ratio Lower Upper
152 100
115 60.8 30.5 91.5
150 175.9 0.0 344.4





#73

Isopropylbenzene

Concen: 52.713 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

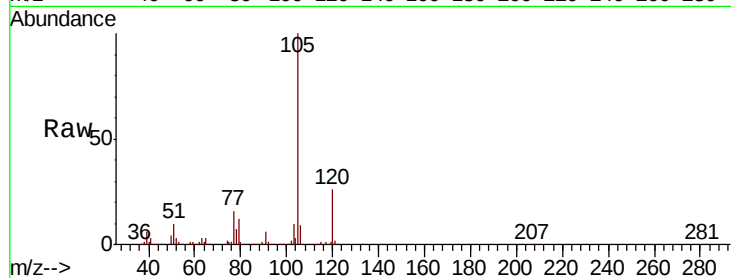
BFB

Tot Ion:105 Resp: 1029738

Ion Ratio Lower Upper

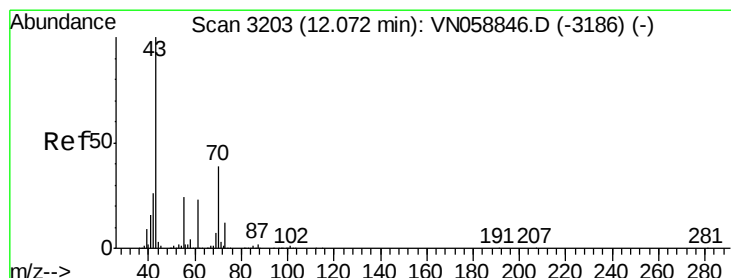
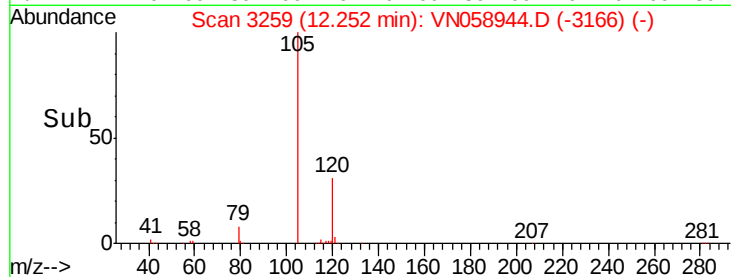
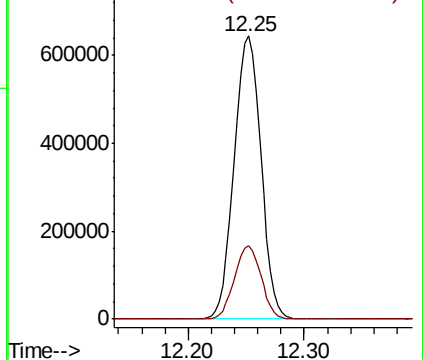
105 100

120 25.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.711 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Tgt Ion: 43 Resp: 484530

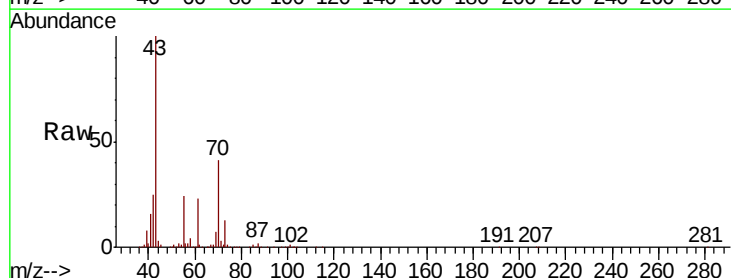
Ion Ratio Lower Upper

43 100

70 40.2 30.9 46.3

55 25.0 19.7 29.5

61 23.0 18.2 27.4

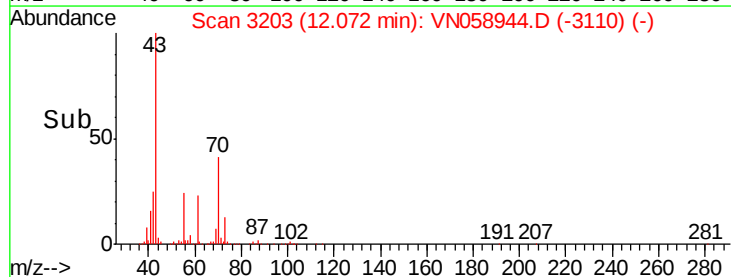
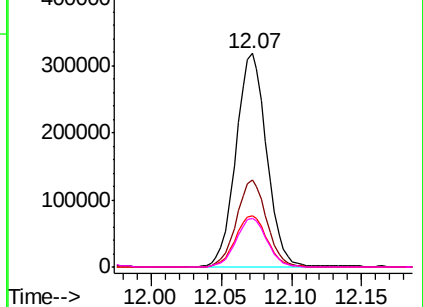


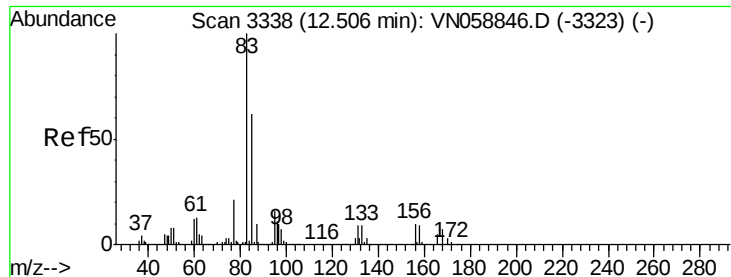
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.451 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

BFB

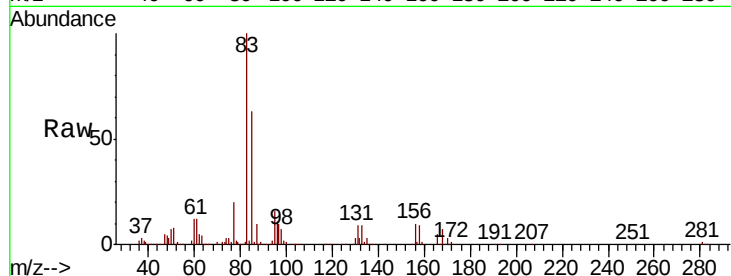
Tot Ion: 83 Resp: 346539

Ion Ratio Lower Upper

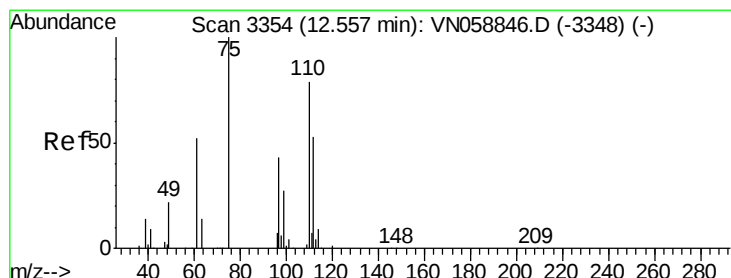
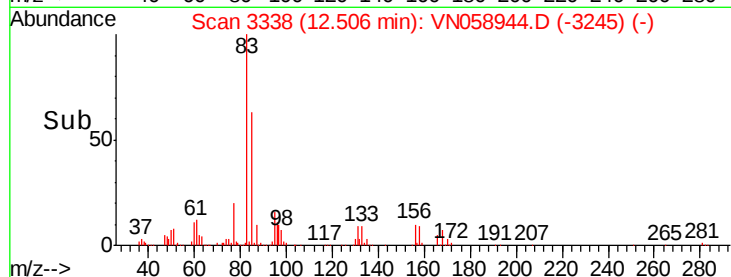
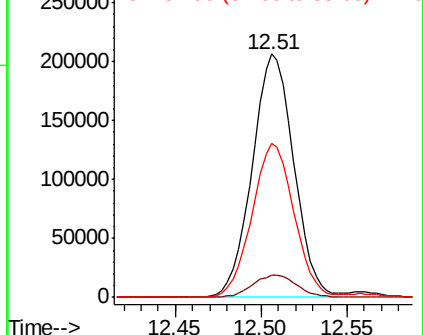
83 100

131 9.8 4.7 14.1

85 63.6 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 74.179 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058944.D

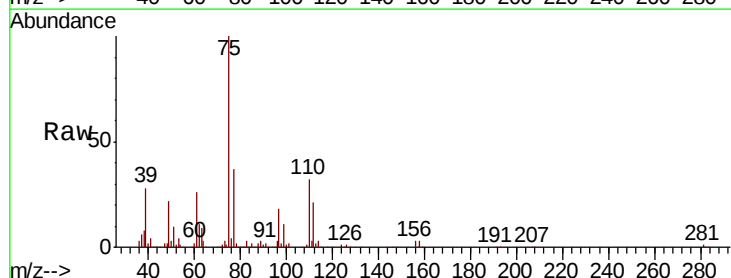
Acq: 23 Oct 2019 20:54

Tgt Ion: 75 Resp: 459538

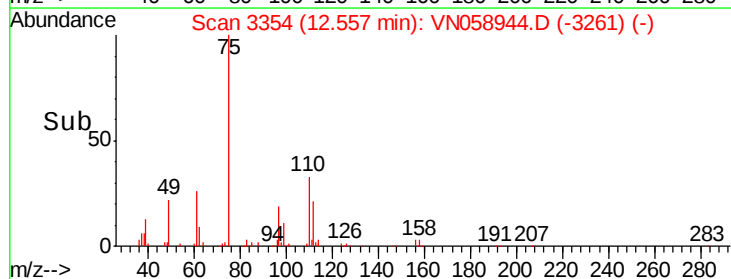
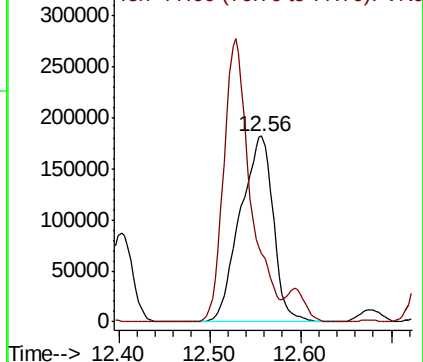
Ion Ratio Lower Upper

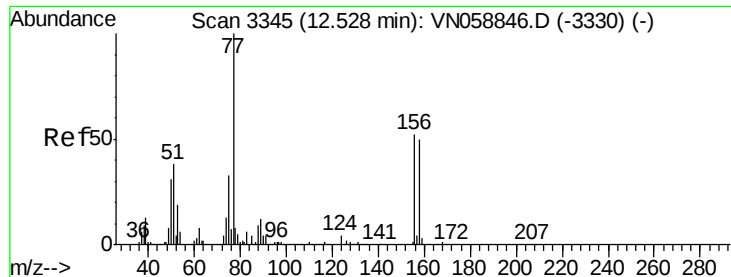
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.078 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

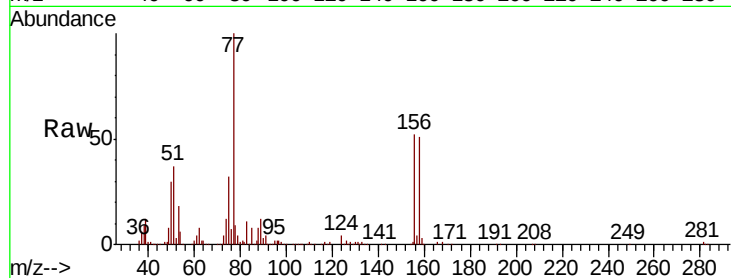
Tot Ion:156 Resp: 245940

Ion Ratio Lower Upper

156 100

77 232.3 118.0 354.0

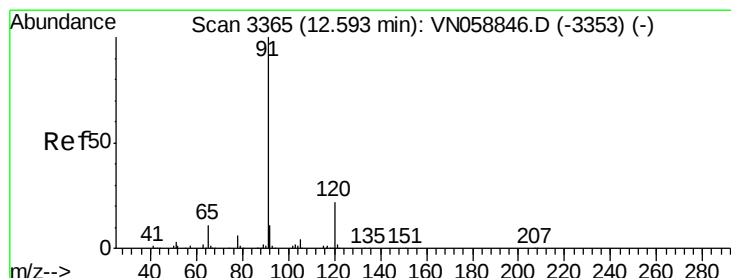
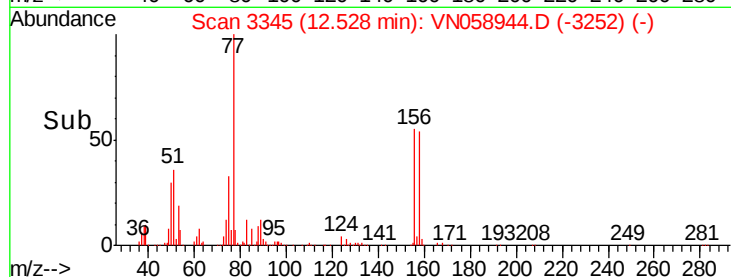
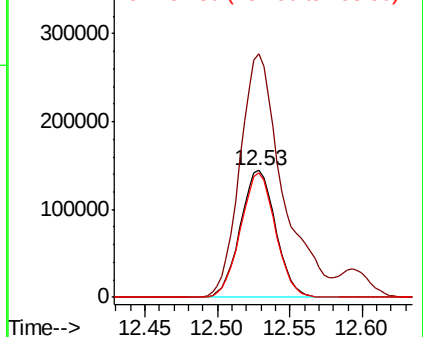
158 96.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.242 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058944.D

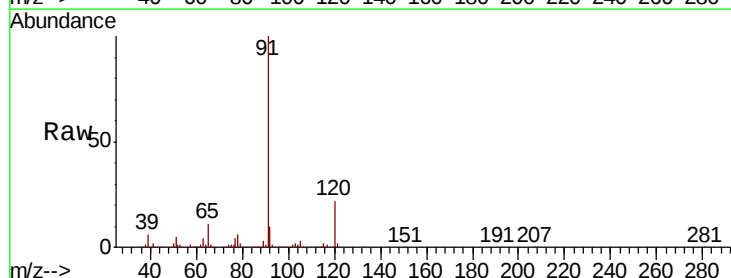
Acq: 23 Oct 2019 20:54

Tgt Ion: 91 Resp: 1229406

Ion Ratio Lower Upper

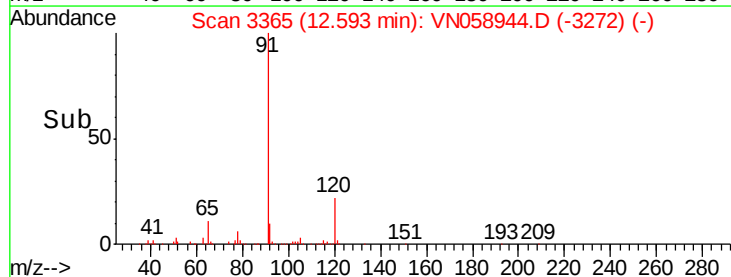
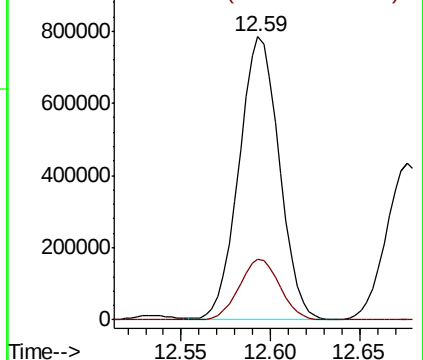
91 100

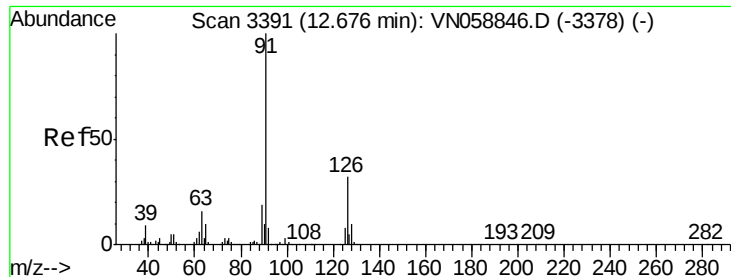
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.034 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

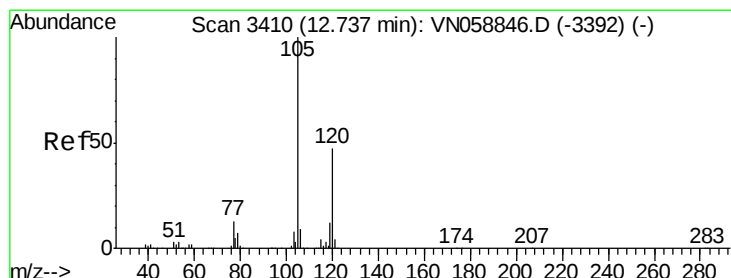
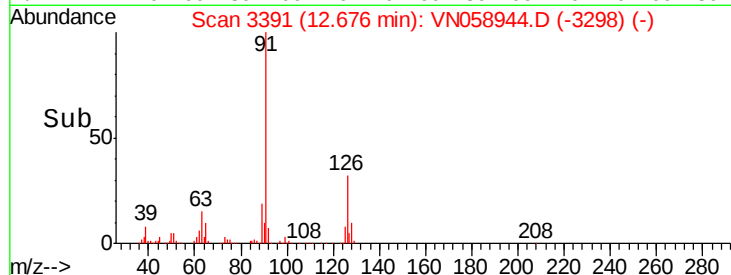
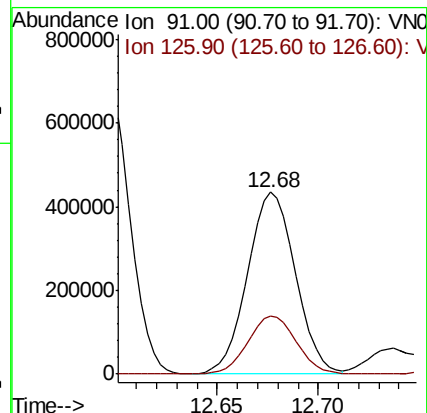
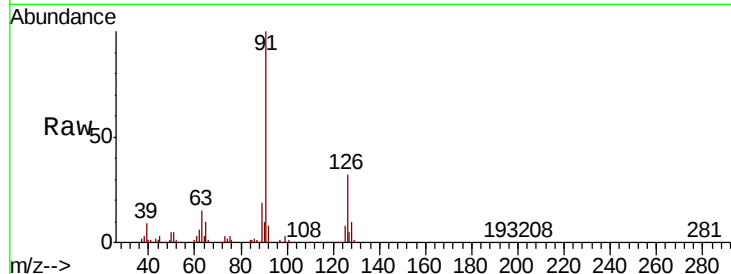
BFB

Tot Ion: 91 Resp: 721239

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 54.191 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058944.D

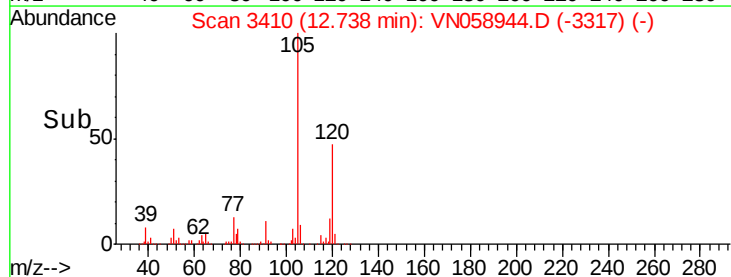
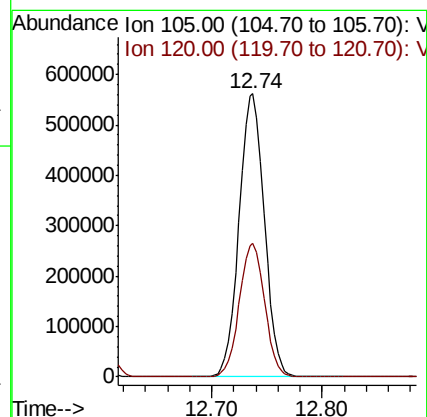
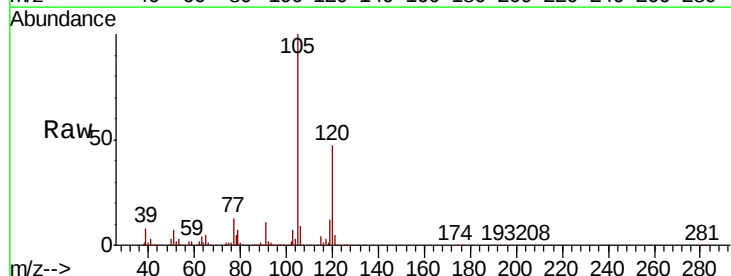
Acq: 23 Oct 2019 20:54

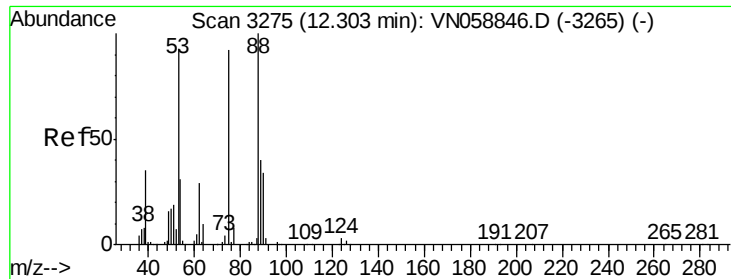
Tgt Ion: 105 Resp: 889427

Ion Ratio Lower Upper

105 100

120 47.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.193 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

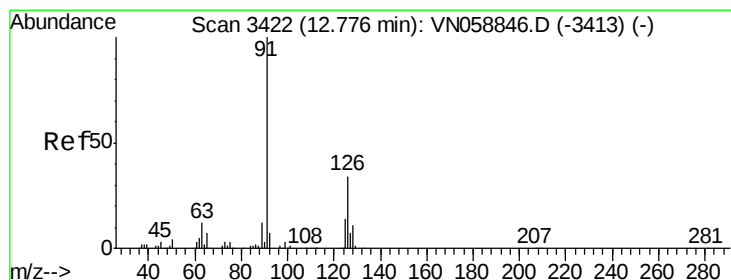
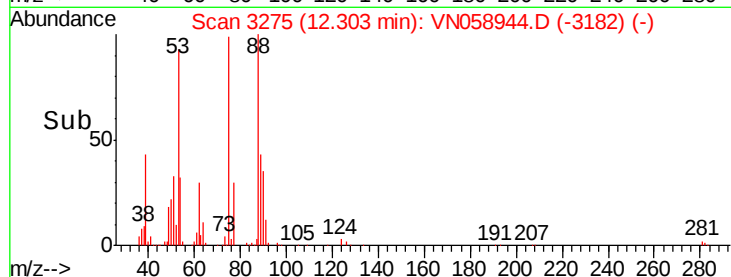
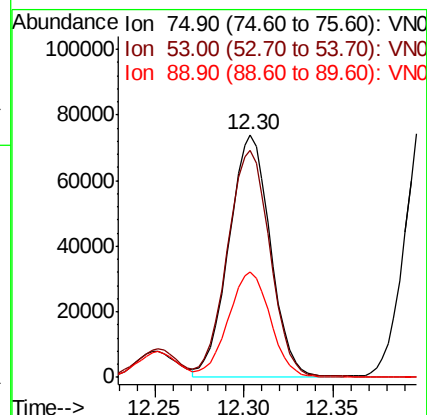
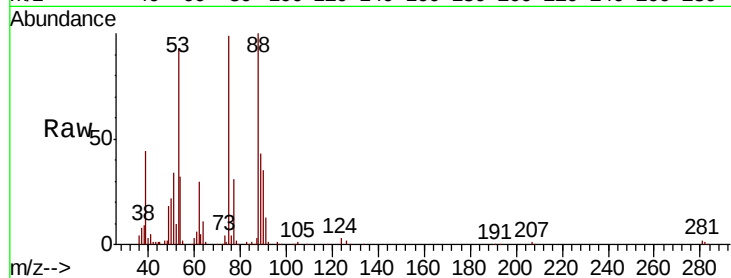
Tot Ion: 75 Resp: 119362

Ion Ratio Lower Upper

75 100

53 96.3 78.6 118.0

89 44.4 35.4 53.0



#82

4-Chlorotoluene

Concen: 52.424 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058944.D

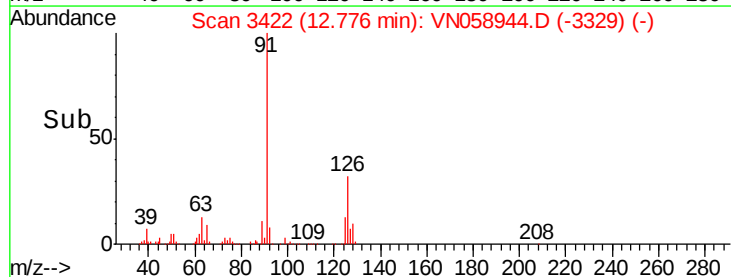
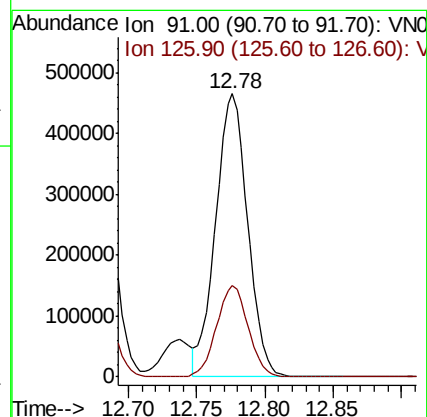
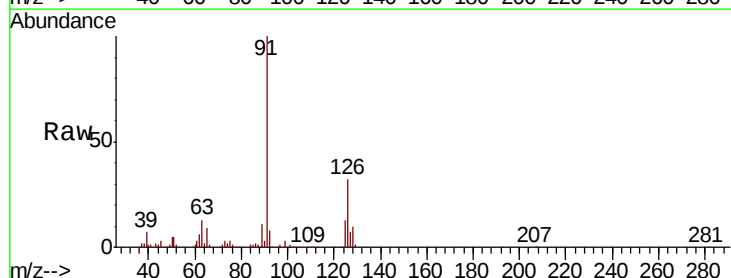
Acq: 23 Oct 2019 20:54

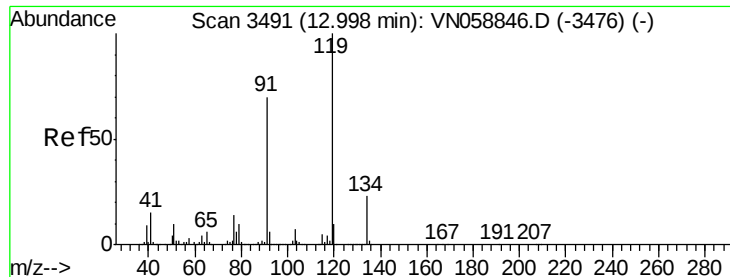
Tgt Ion: 91 Resp: 757134

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9

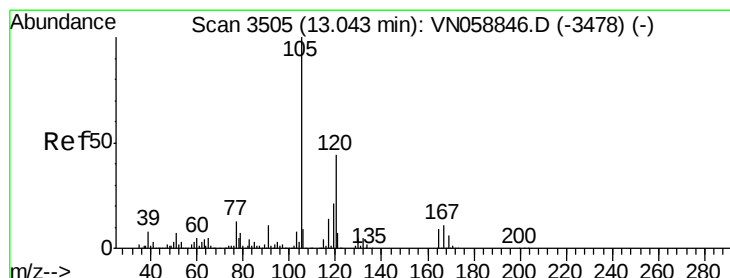
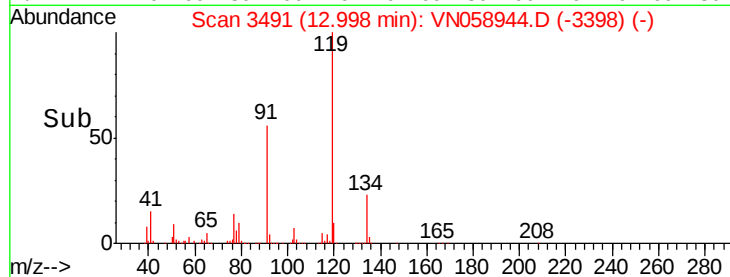
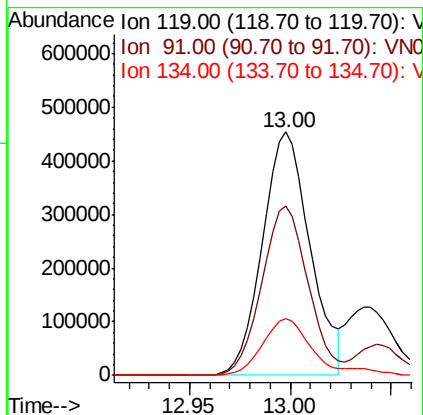
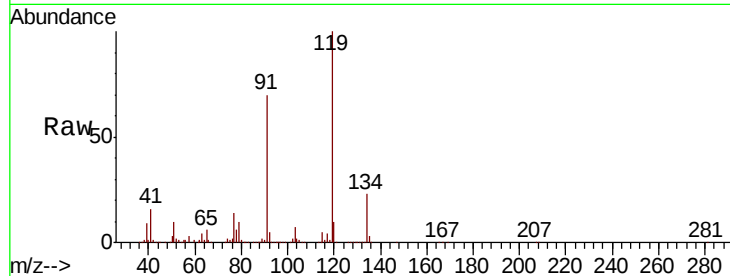




#83
 tert-Butylbenzene
 Concen: 53.157 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

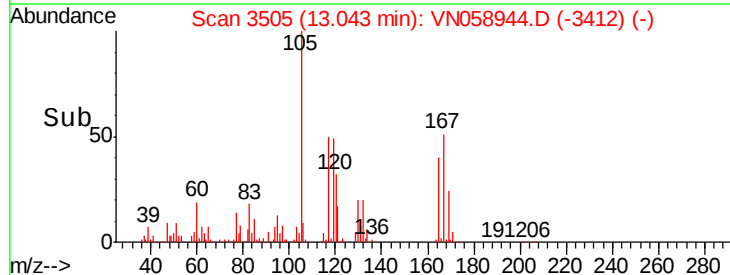
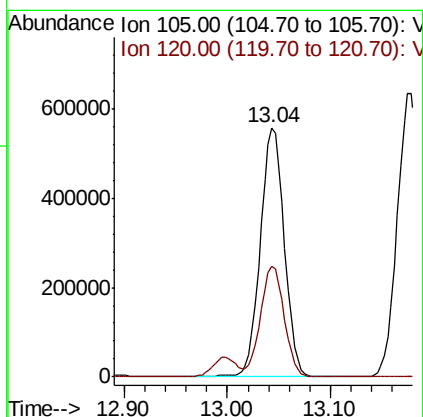
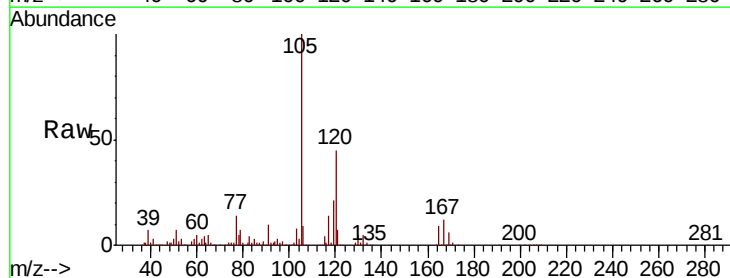
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

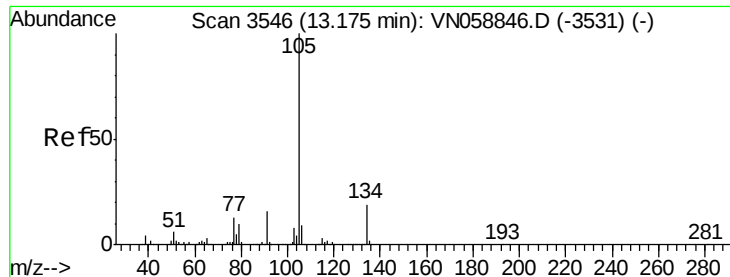
Tot Ion:119 Resp: 746061
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.1 102.3
 134 24.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.222 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion:105 Resp: 893967
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 53.743 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

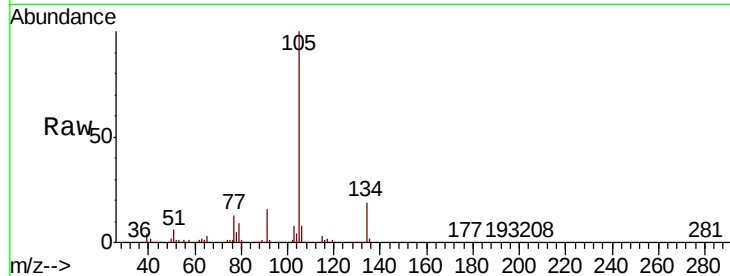
BFB

Tot Ion:105 Resp: 1005651

Ion Ratio Lower Upper

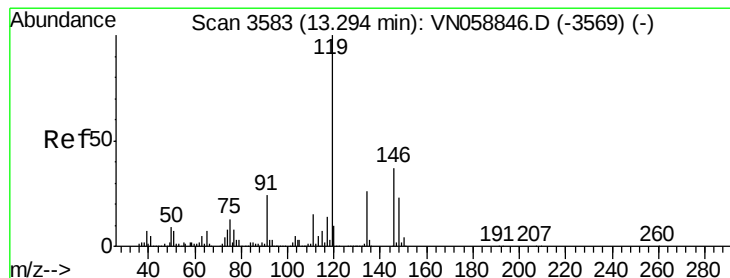
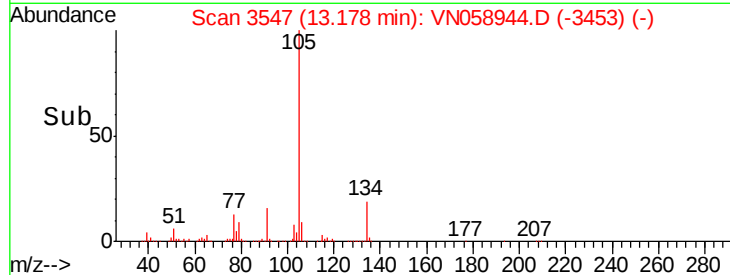
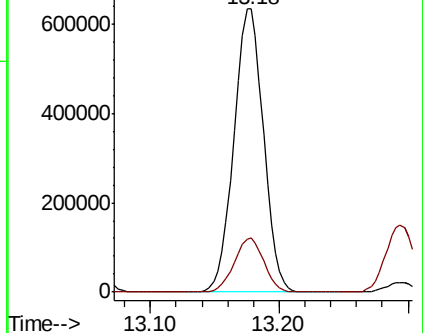
105 100

134 19.1 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.220 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

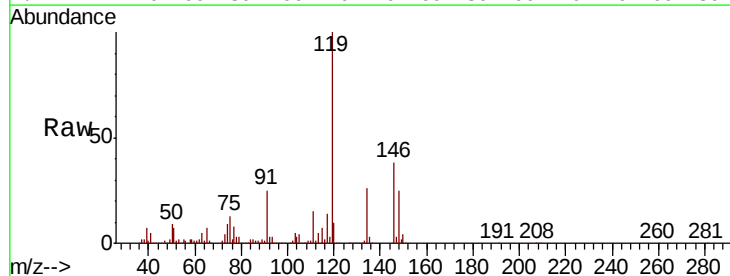
Tgt Ion:119 Resp: 911735

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

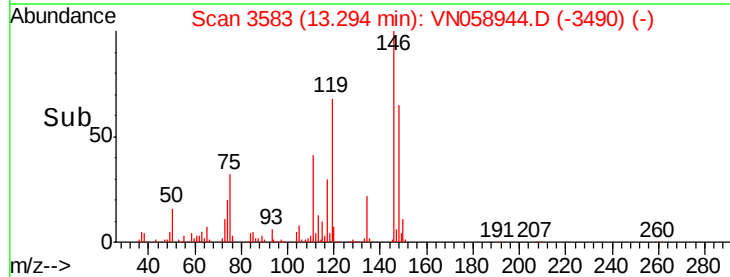
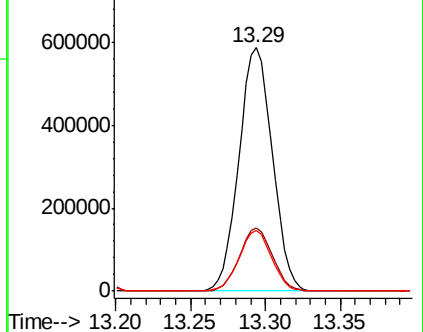
91 24.1 12.2 36.4

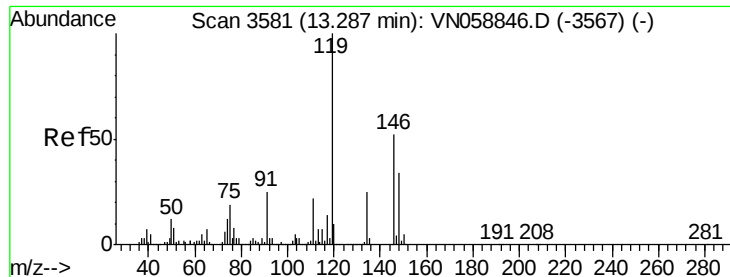


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.914 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

BFB

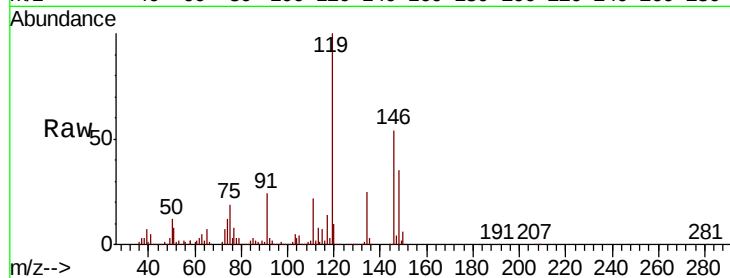
Tot Ion:146 Resp: 446955

Ion Ratio Lower Upper

146 100

111 41.6 21.0 63.0

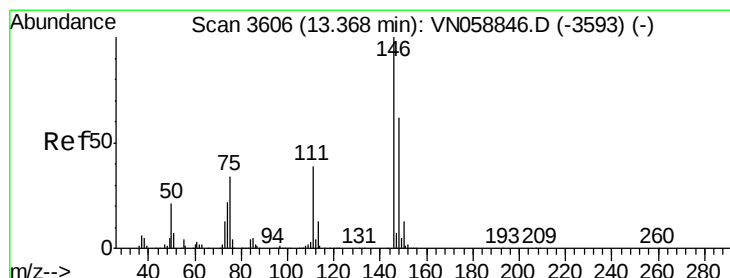
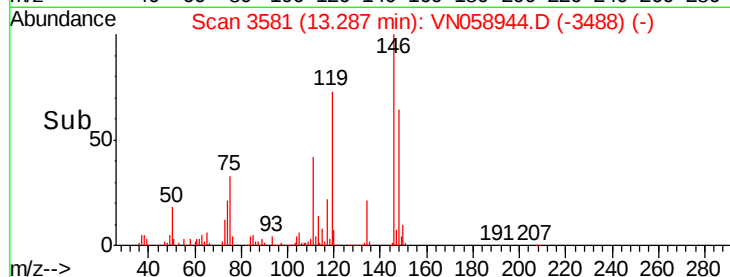
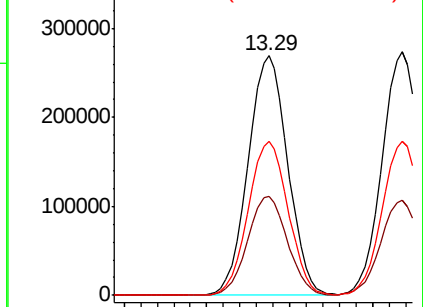
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.742 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

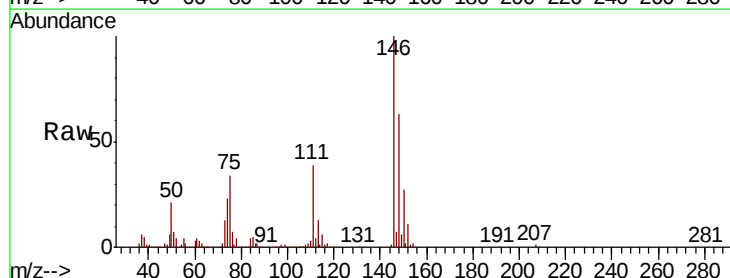
Tgt Ion:146 Resp: 446005

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.6

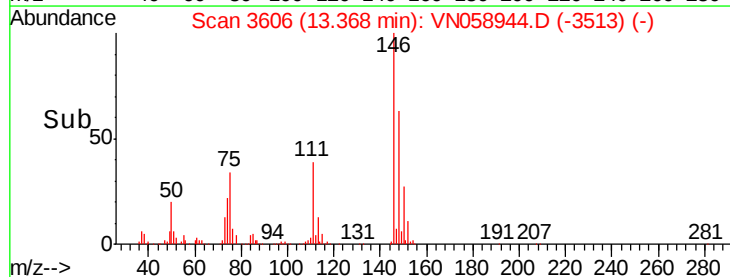
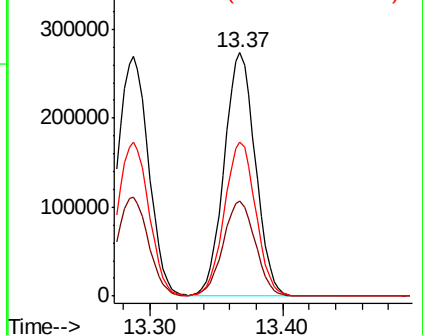
148 63.9 31.6 94.7

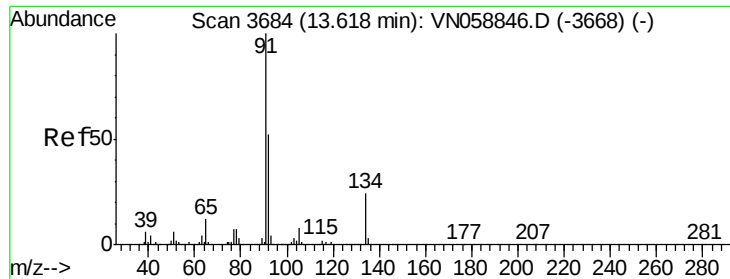


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 54.376 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058944.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

BFB

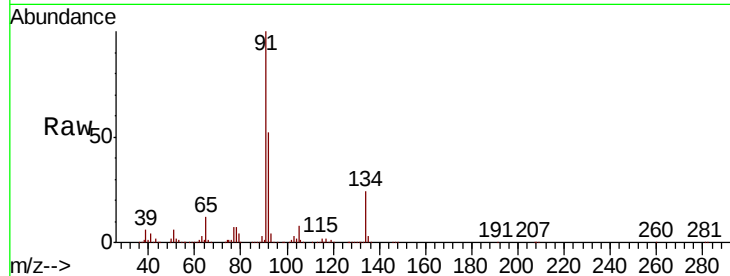
Tot Ion: 91 Resp: 824722

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.1

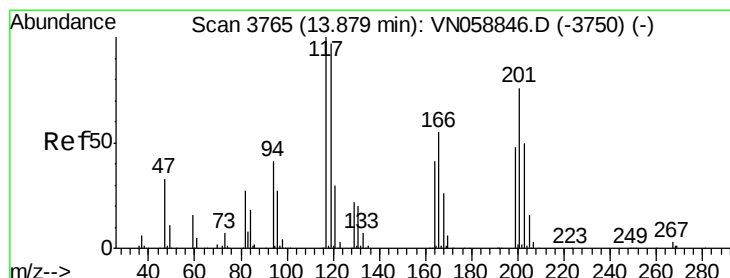
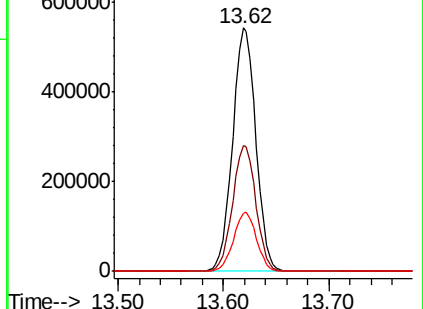
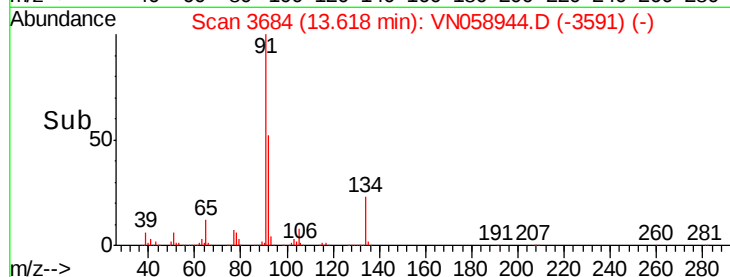
134 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.711 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058944.D

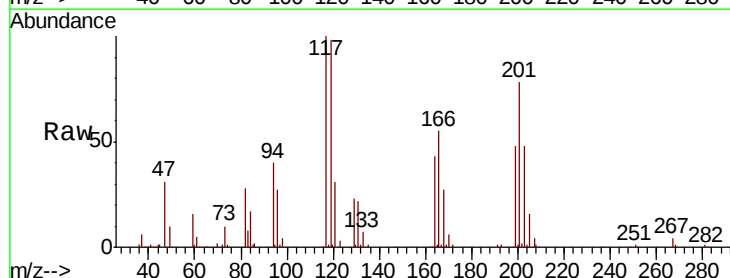
Acq: 23 Oct 2019 20:54

Tgt Ion: 117 Resp: 169661

Ion Ratio Lower Upper

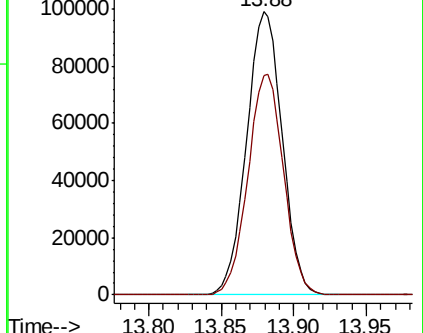
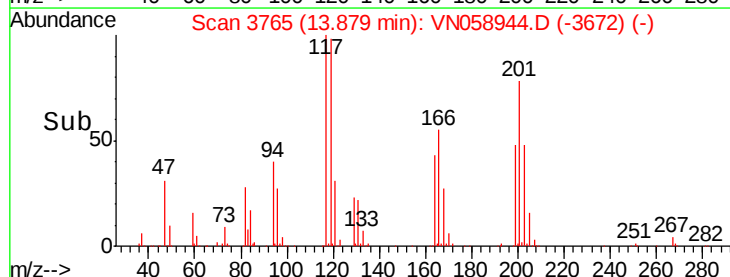
117 100

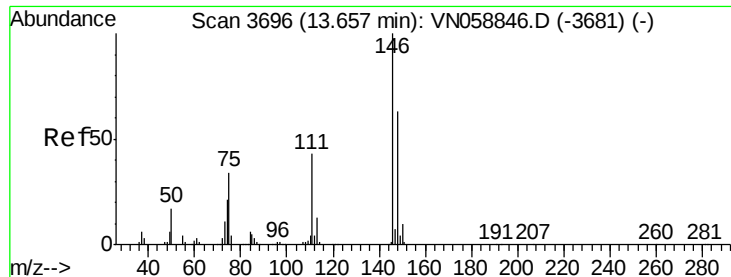
201 77.7 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

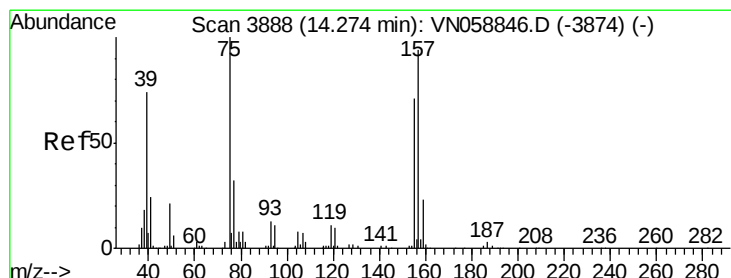
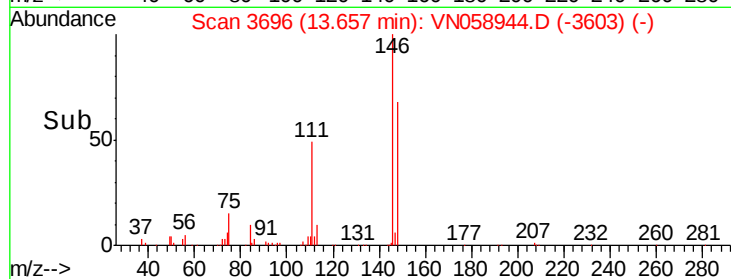
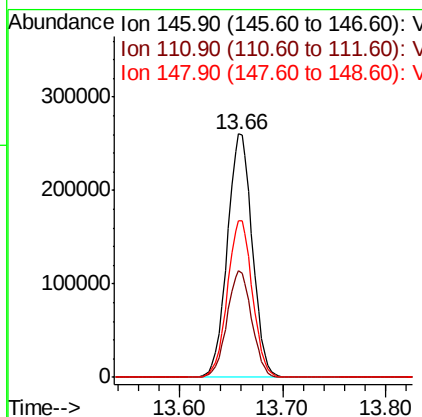
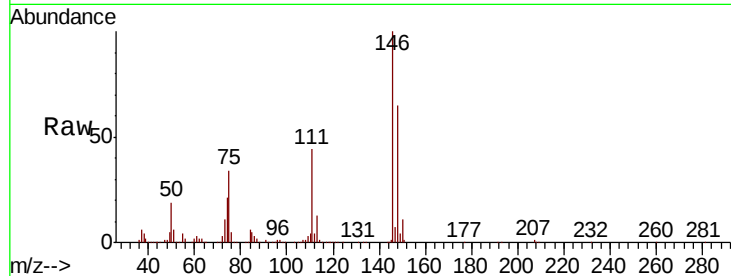




#91
 1,2-Dichlorobenzene
 Concen: 51.932 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

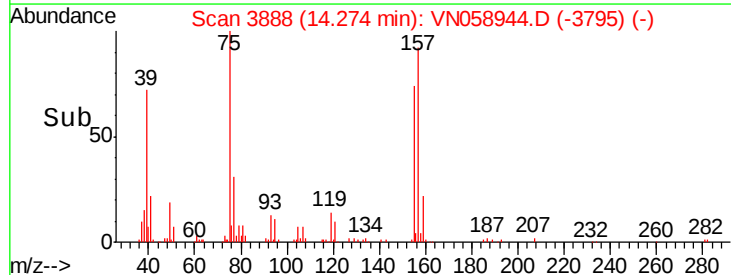
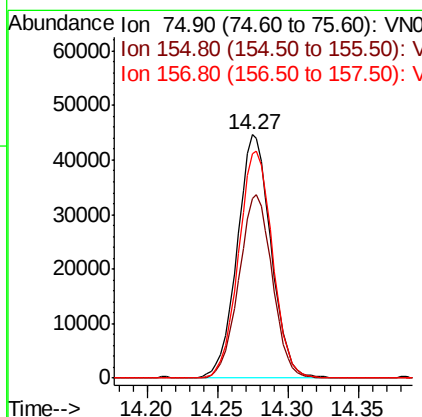
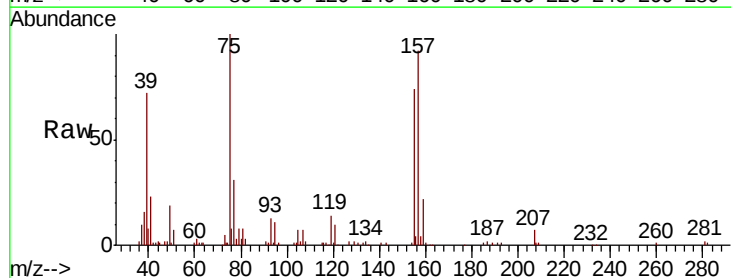
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

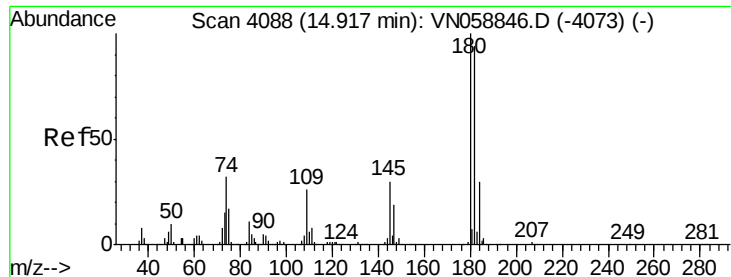
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	64.5	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.290 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	35.6	106.8
157	93.2	47.4	142.2

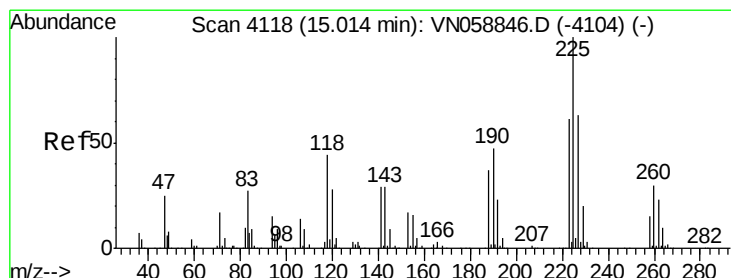
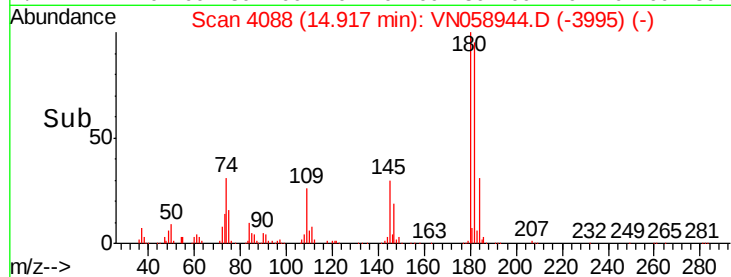
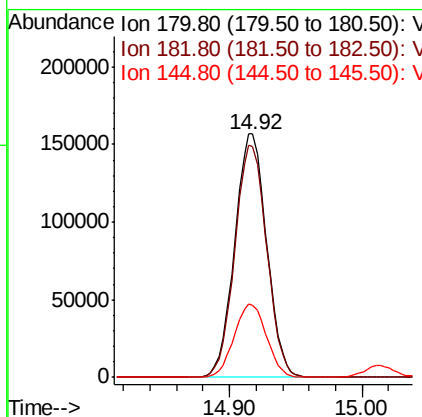
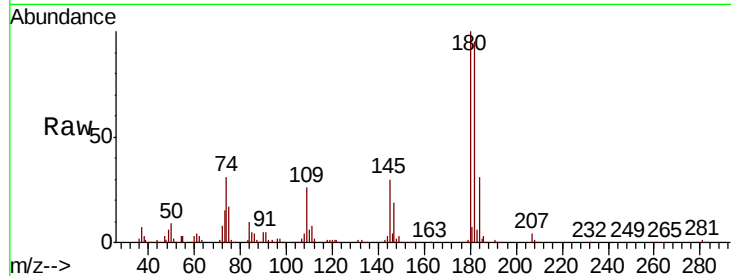




#93
 1,2,4-Trichlorobenzene
 Concen: 49.227 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

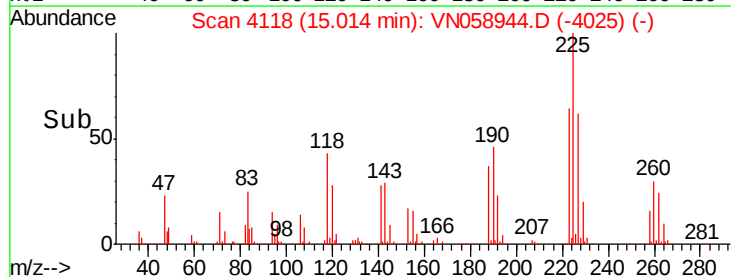
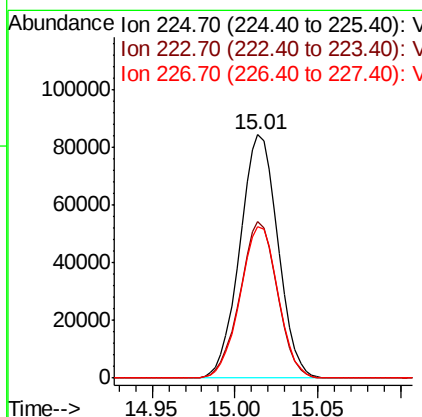
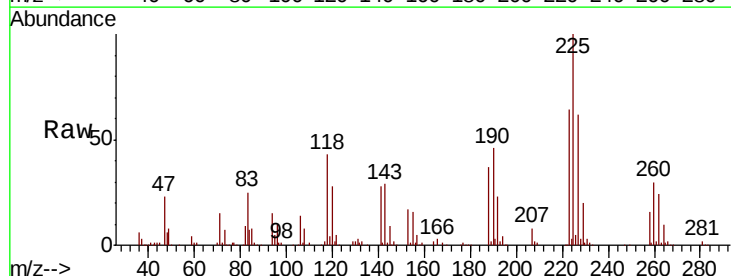
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

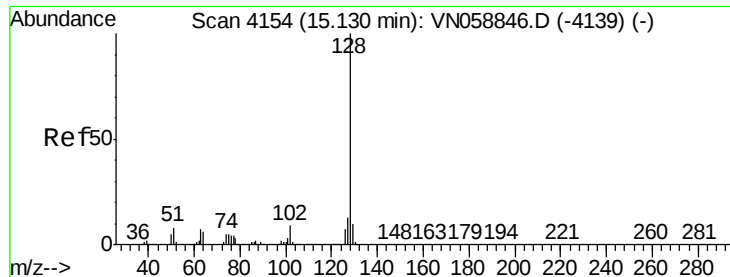
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	30.5	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 49.121 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058944.D
 Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.5
227	61.9	31.6	94.7

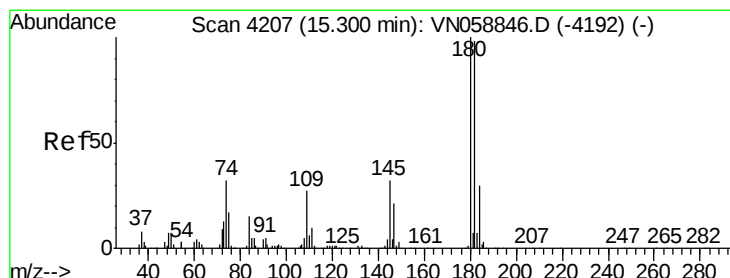
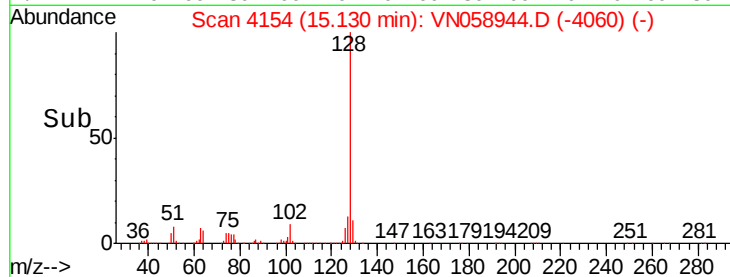
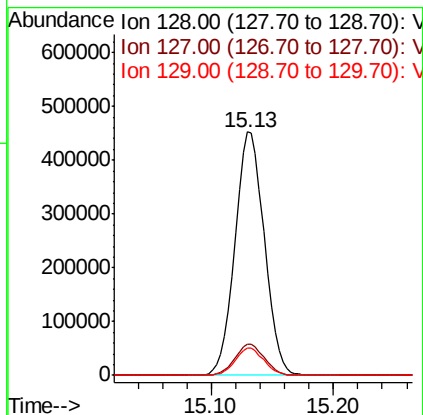
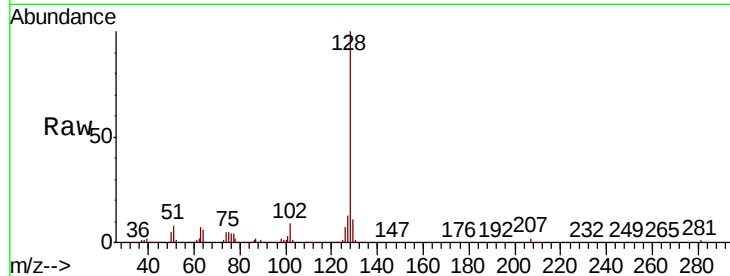




#95
Naphthalene
Concen: 49.233 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 49.199 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058944.D
Acq: 23 Oct 2019 20:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.9	15.9	47.7

