

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058206.D
 Acq On : 19 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Sep 20 04:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	499753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	831558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355308	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.57	113	256021	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.08	98	1038673	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.40	95	384816	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	183333	44.657	ug/l	98
3) Chloromethane	2.04	50	151109	47.705	ug/l	99
4) Vinyl Chloride	2.17	62	166417	48.057	ug/l	100
5) Bromomethane	2.54	94	90681	49.511	ug/l	98
6) Chloroethane	2.68	64	110026	49.624	ug/l	96
7) Trichlorofluoromethane	3.00	101	256230	45.726	ug/l	100
8) Diethyl Ether	3.39	74	115810	45.105	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185321	45.870	ug/l	99
10) Methyl Iodide	3.93	142	151724	44.817	ug/l	99
11) Tert butyl alcohol	4.75	59	198546	239.796	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	143348	46.730	ug/l	98
13) Acrolein	3.58	56	35659	290.612	ug/l	98
14) Allyl chloride	4.30	41	306643	46.384	ug/l	100
15) Acrylonitrile	4.96	53	546312	247.652	ug/l	100
16) Acetone	3.79	43	559331	236.734	ug/l	100
17) Carbon Disulfide	4.03	76	182003	42.215	ug/l	99
18) Methyl Acetate	4.30	43	287766	46.287	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	738790	48.483	ug/l	97
20) Methylene Chloride	4.52	84	201648	48.742	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	158314	47.364	ug/l	98
22) Diisopropyl ether	5.93	45	826070	49.190	ug/l	97
23) Vinyl Acetate	5.87	43	2981380	259.455	ug/l	100
24) 1,1-Dichloroethane	5.82	63	425630	47.488	ug/l	98
25) 2-Butanone	6.81	43	804370	249.890	ug/l	99
26) 2,2-Dichloropropane	6.80	77	355256	46.721	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238450	47.051	ug/l	97
28) Bromochloromethane	7.17	49	218189	51.460	ug/l #	100
29) Tetrahydrofuran	7.19	42	474970	239.551	ug/l	99
30) Chloroform	7.36	83	460410	47.722	ug/l	99
31) Cyclohexane	7.64	56	275292	47.390	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	359475	48.944	ug/l	100
36) 1,1-Dichloropropene	7.78	75	270280	45.071	ug/l	100
37) Ethyl Acetate	6.90	43	306546	49.258	ug/l	100
38) Carbon Tetrachloride	7.76	117	283143	46.970	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275100	47.450	ug/l	97
40) Benzene	8.02	78	869615	47.478	ug/l	99
41) Methacrylonitrile	7.15	41	152728	48.738	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	366453	47.681	ug/l	100
43) Isopropyl Acetate	8.15	43	560431	48.218	ug/l	100
44) Trichloroethene	8.82	130	212180	47.338	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272390	49.798	ug/l	97
46) Dibromomethane	9.20	93	162473	48.855	ug/l	99
47) Bromodichloromethane	9.39	83	354315	50.856	ug/l	98
48) Methyl methacrylate	9.19	41	263302	49.894	ug/l	99
49) 1,4-Dioxane	9.19	88	88372	1019.968	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1706368	276.403	ug/l	99
52) Toluene	10.15	92	563246	49.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376283	52.725	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	405244	51.431	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258800	50.804	ug/l	99
56) Ethyl methacrylate	10.43	69	387361	52.703	ug/l	99
57) 1,3-Dichloropropane	10.71	76	439862	50.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	960339	274.309	ug/l	99
59) 2-Hexanone	10.75	43	1257889	274.350	ug/l	99
60) Dibromochloromethane	10.90	129	261255	53.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	239867	50.810	ug/l	100
64) Tetrachloroethene	10.63	164	172476	46.103	ug/l	98
65) Chlorobenzene	11.43	112	659995	48.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	250840	51.247	ug/l	99
67) Ethyl Benzene	11.51	91	1196250	51.718	ug/l	99
68) m/p-Xylenes	11.62	106	867444	99.574	ug/l	98
69) o-Xylene	11.95	106	440610	51.437	ug/l	98
70) Styrene	11.97	104	778686	52.760	ug/l	99
71) Bromoform	12.13	173	169231	46.876	ug/l #	99
73) Isopropylbenzene	12.25	105	1244822	52.362	ug/l	99
74) N-amyl acetate	12.07	43	529204	53.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	403821	50.724	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	489120	71.958	ug/l #	100
77) Bromobenzene	12.53	156	290808	48.630	ug/l	98
78) n-propylbenzene	12.59	91	1460988	54.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	870992	51.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1064380	52.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	104117	46.098	ug/l	97
82) 4-Chlorotoluene	12.78	91	918714	51.766	ug/l	99
83) tert-Butylbenzene	13.00	119	936040	52.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1090929	54.530	ug/l	99
85) sec-Butylbenzene	13.18	105	1274924	54.383	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146635	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	565110	51.738	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	565648	50.727	ug/l	99
89) n-Butylbenzene	13.62	91	1062722	53.783	ug/l	99
90) Hexachloroethane	13.88	117	175975	48.255	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	561456	51.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74965	52.304	ug/l	98

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Instrument :
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ClientSampleId :
BFB

Quant Time: Sep 20 04:22:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

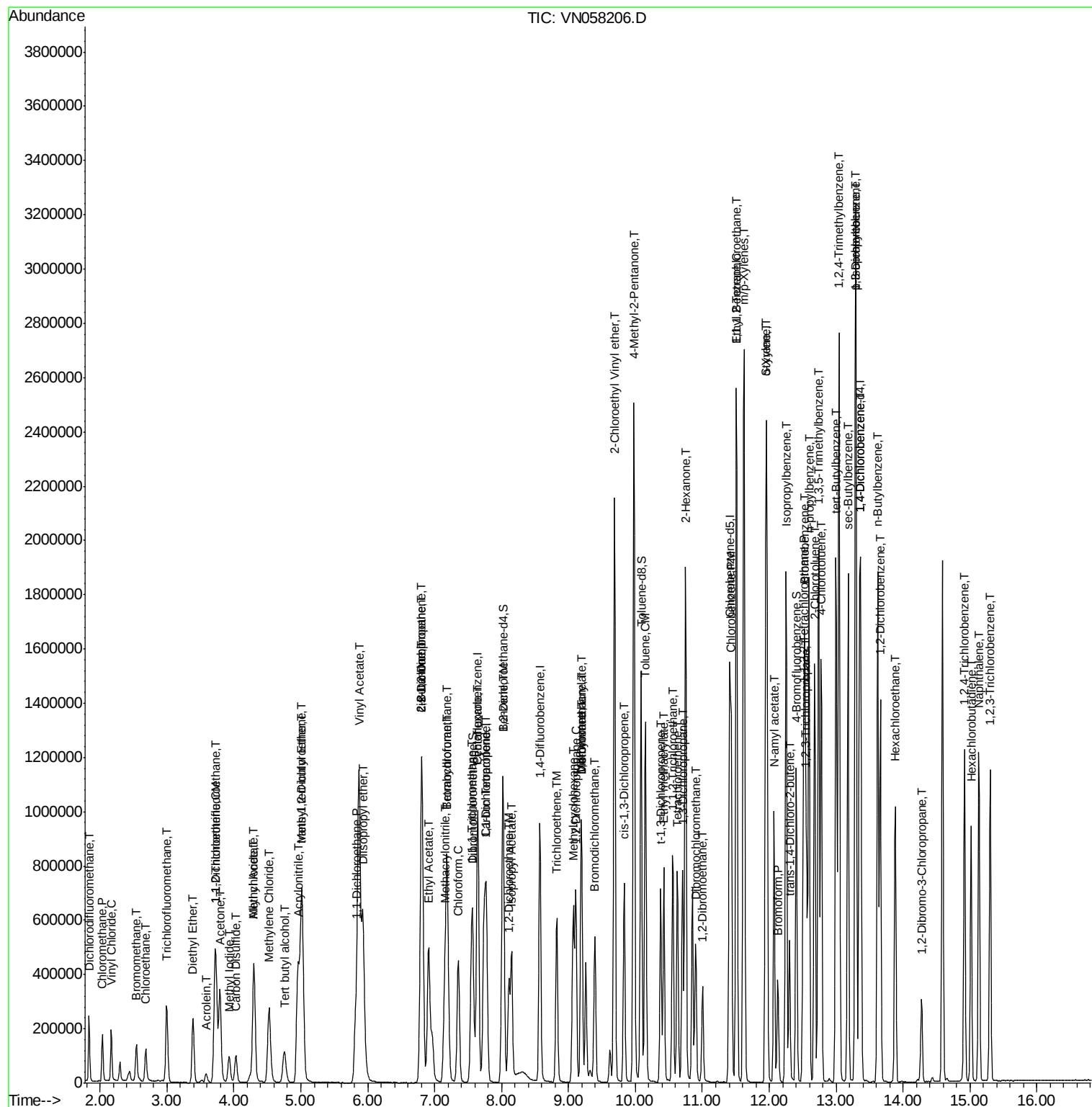
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	363531	51.931	ug/l	99
94) Hexachlorobutadiene	15.02	225	166371	49.172	ug/l	98
95) Naphthalene	15.13	128	967782	53.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	339859	51.365	ug/l	99

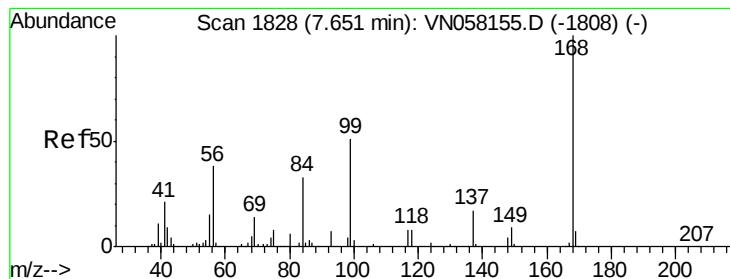
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091919\
Data File : VN058206.D
Acq On : 19 Sep 2019 15:49
Operator : JC/SP
Sample : VSTDC0050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
BFB

Quant Time: Sep 20 04:22:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

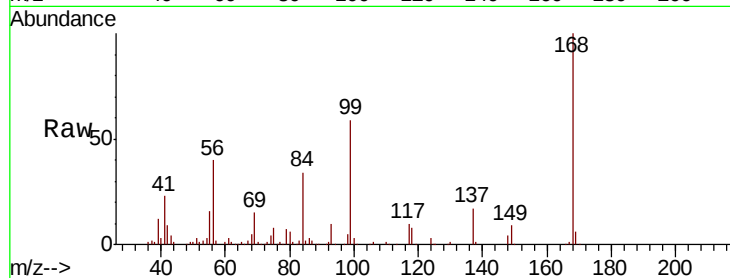
BFB

Tot Ion:168 Resp: 499753

Ion Ratio Lower Upper

168 100

99 58.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

100000

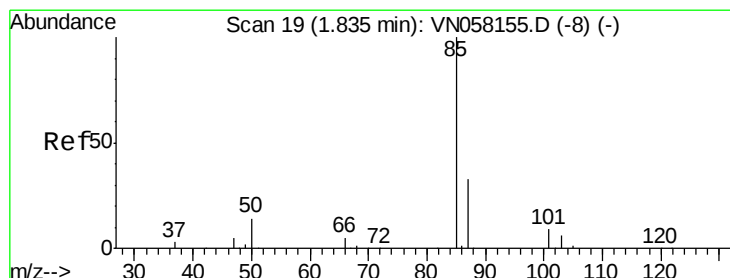
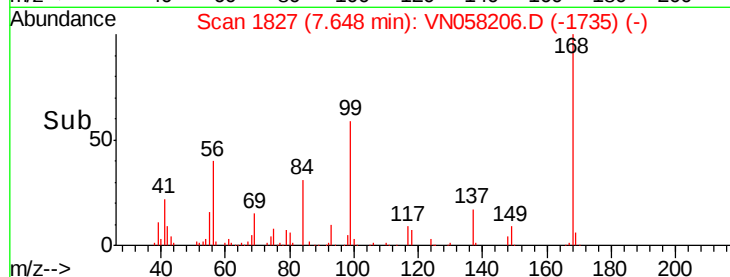
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.657 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058206.D

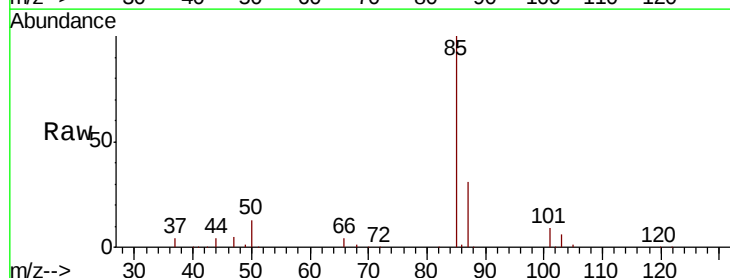
Acq: 19 Sep 2019 15:49

Tgt Ion: 85 Resp: 183333

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

100000

50000

0

1.75

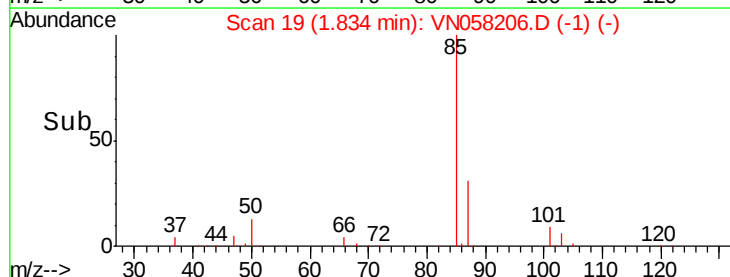
1.80

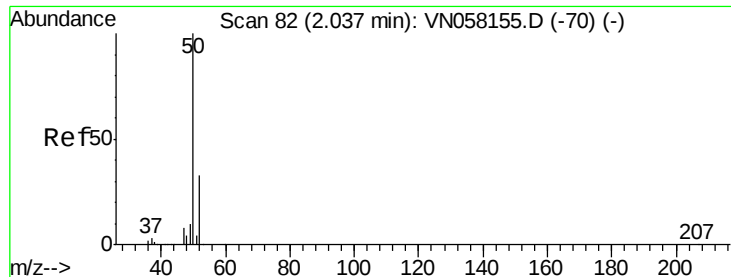
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 47.705 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

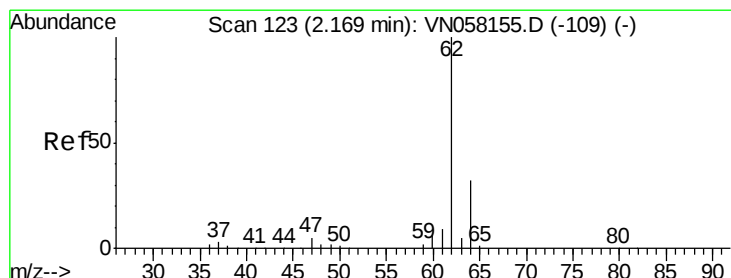
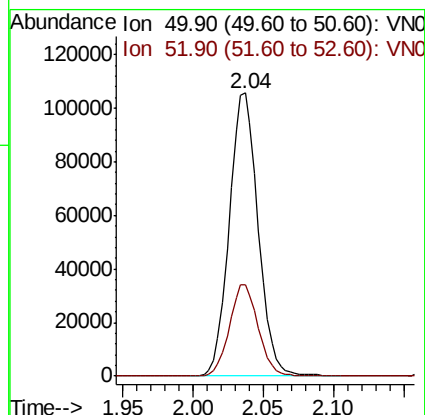
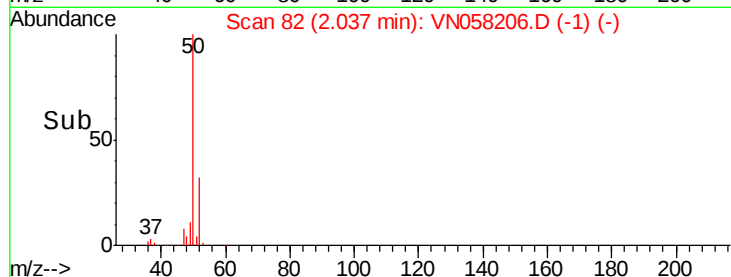
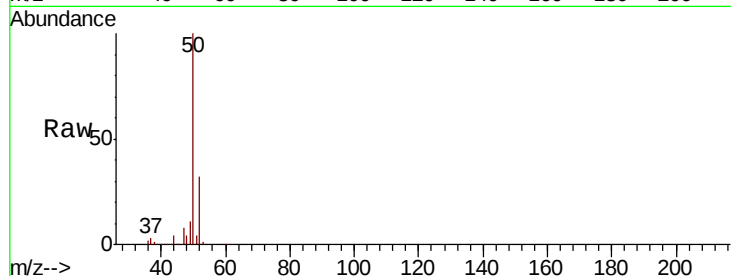
BFB

Tot Ion: 50 Resp: 151109

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 48.057 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058206.D

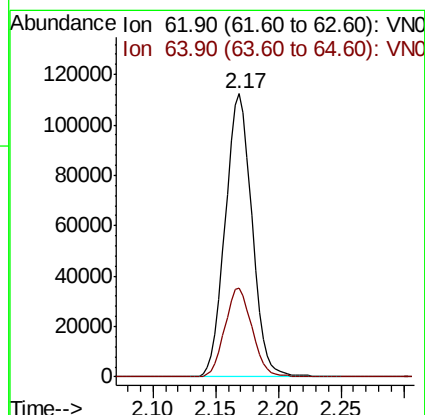
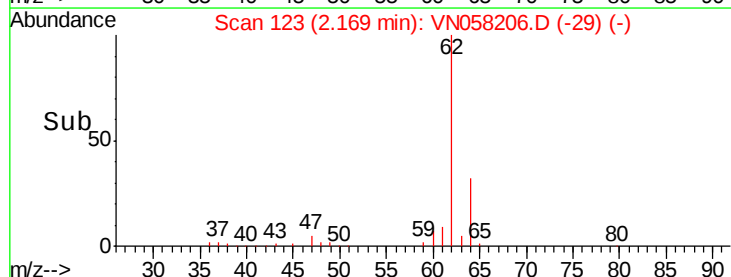
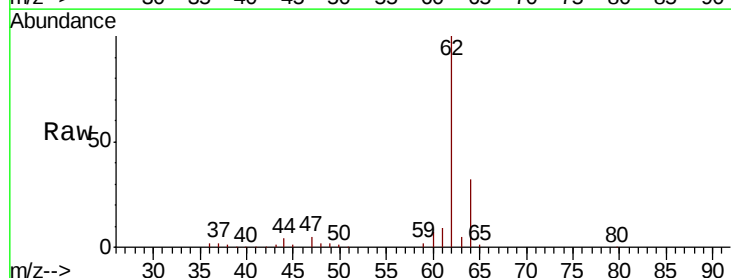
Acq: 19 Sep 2019 15:49

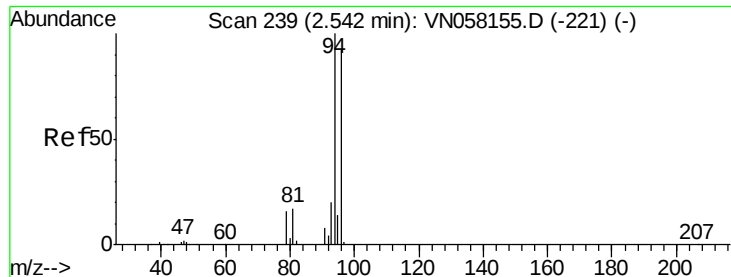
Tgt Ion: 62 Resp: 166417

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2

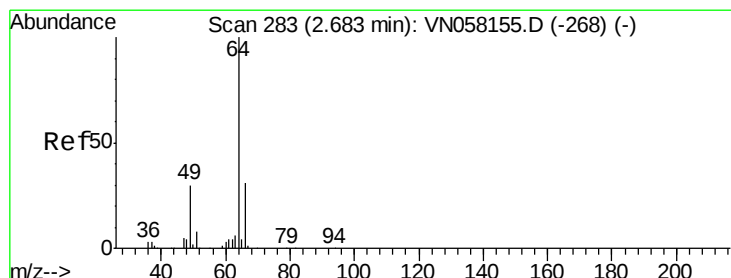
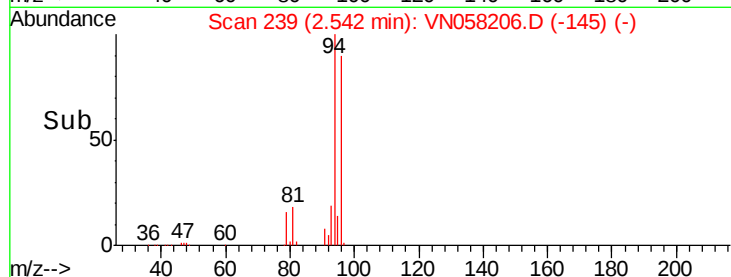
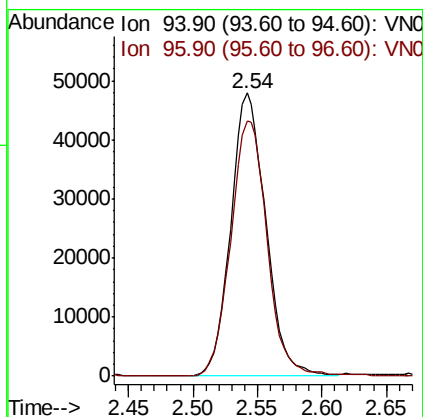
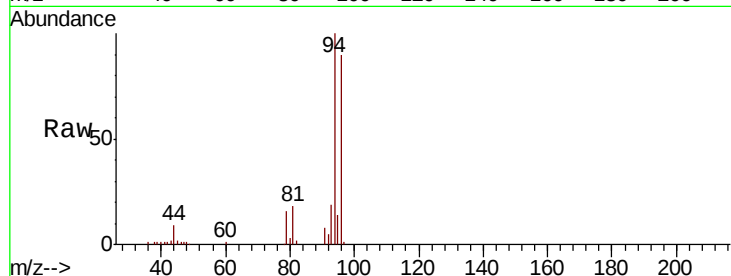




#5
 Bromomethane
 Concen: 49.511 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

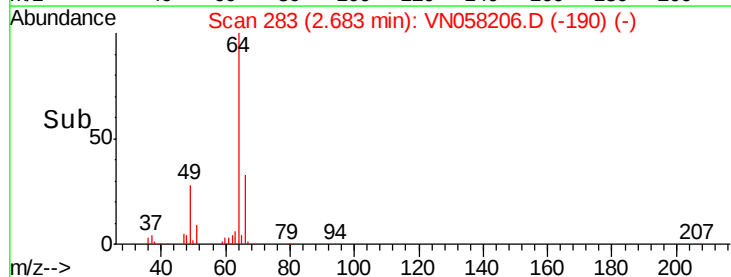
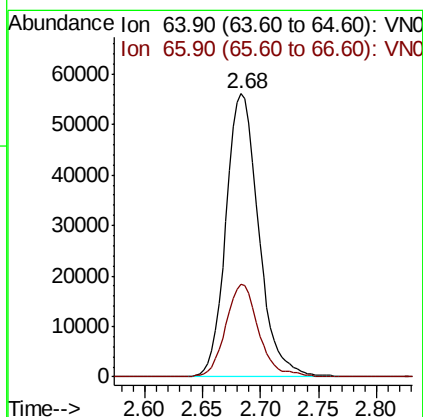
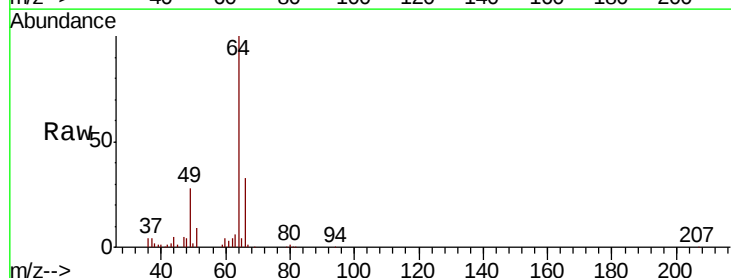
Instrument :
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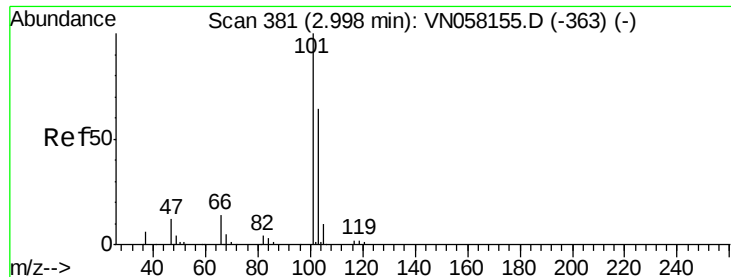
Tot Ion: 94 Resp: 90681
 Ion Ratio Lower Upper
 94 100
 96 90.1 73.3 109.9



#6
 Chloroethane
 Concen: 49.624 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 64 Resp: 110026
 Ion Ratio Lower Upper
 64 100
 66 32.9 24.6 37.0



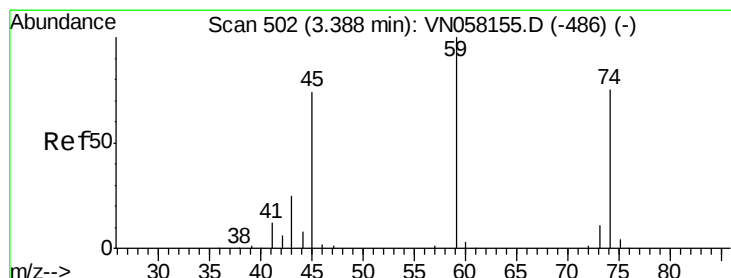
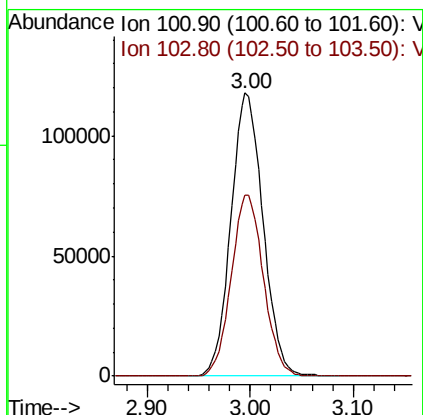
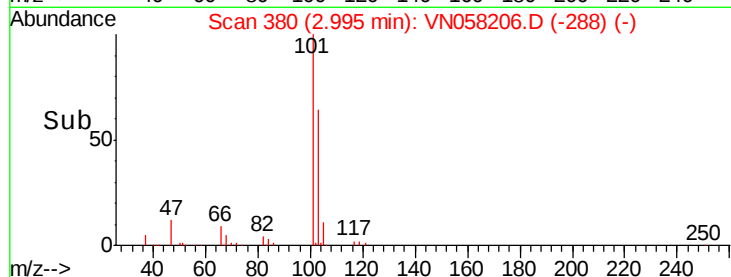
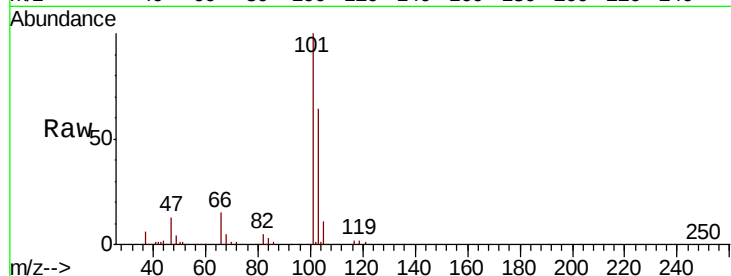


#7

Trichlorofluoromethane
Concen: 45.726 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
BFB

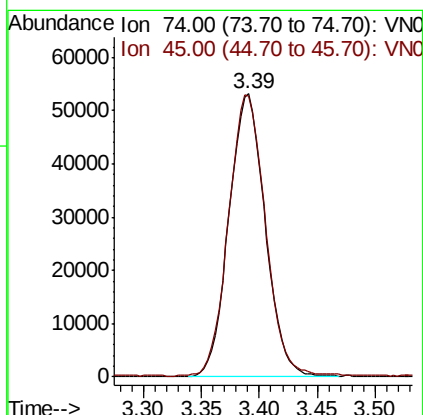
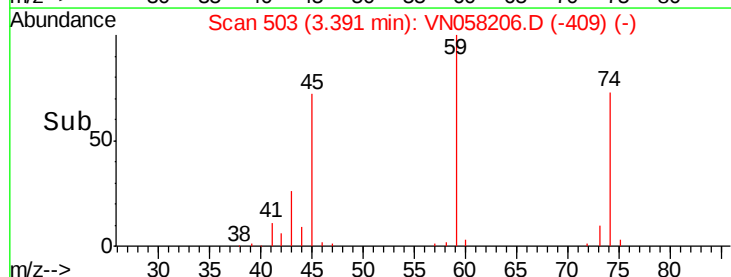
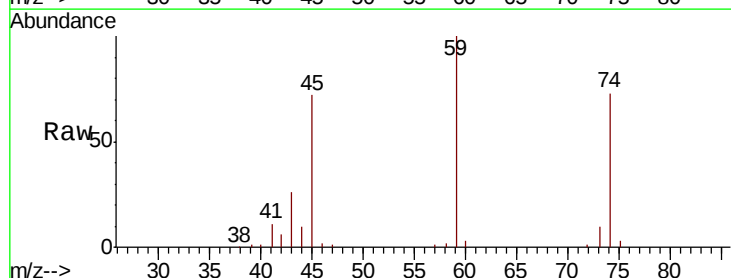
Tot Ion:101 Resp: 256230
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

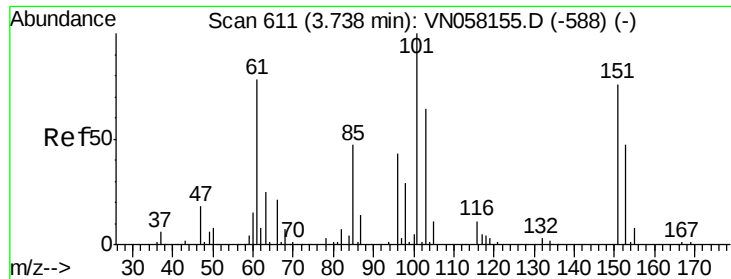


#8

Diethyl Ether
Concen: 45.105 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 74 Resp: 115810
Ion Ratio Lower Upper
74 100
45 100.5 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.870 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

BFB

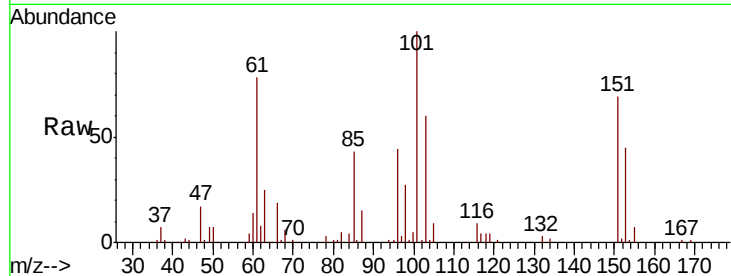
Tot Ion:101 Resp: 185321

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

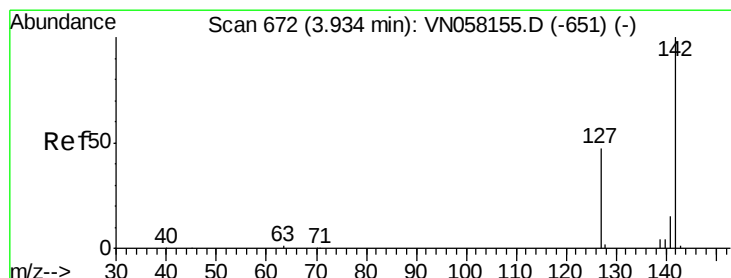
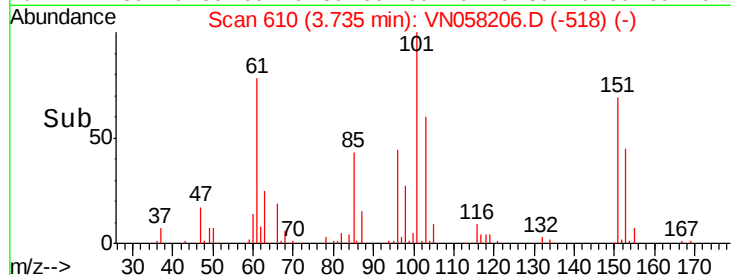
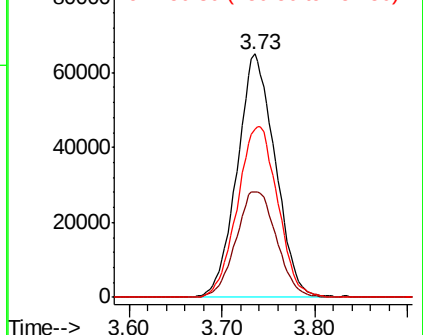
151 74.1 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.817 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

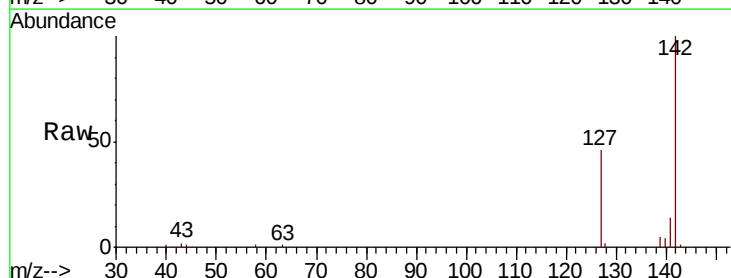
Tgt Ion:142 Resp: 151724

Ion Ratio Lower Upper

142 100

127 47.5 37.5 56.3

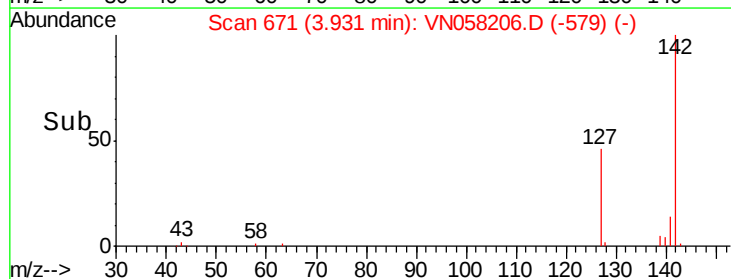
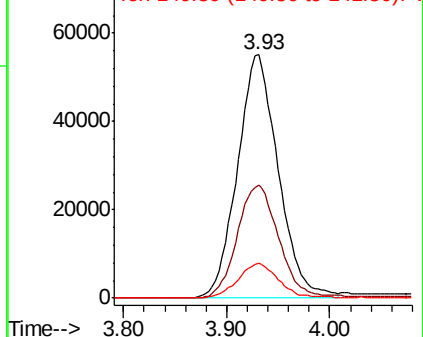
141 14.3 11.4 17.2

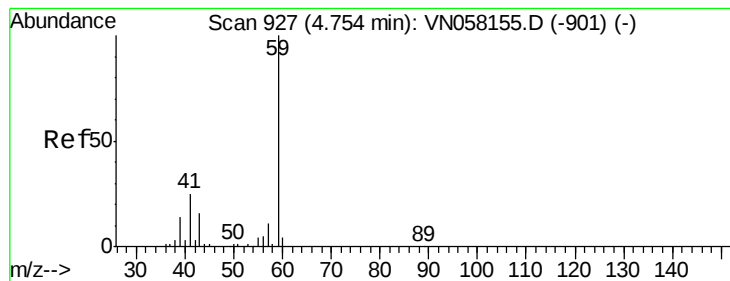


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



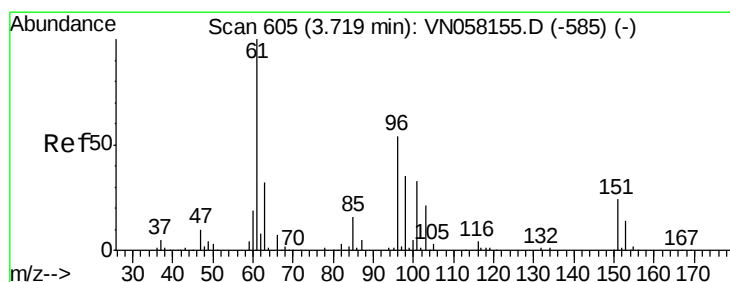
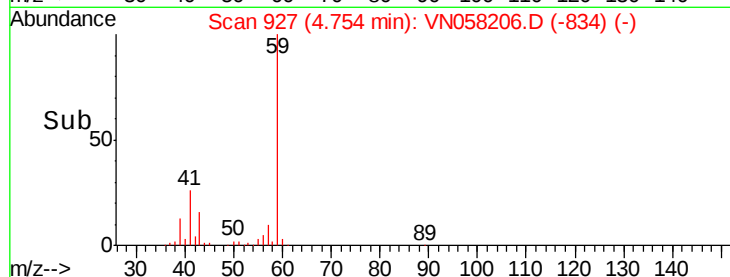
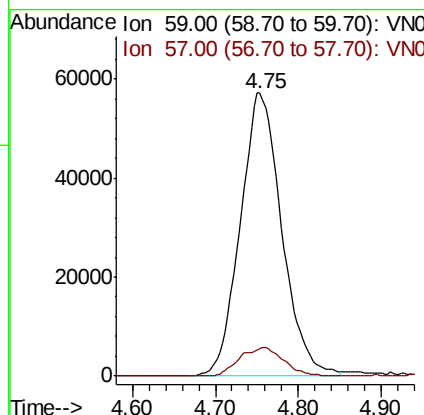
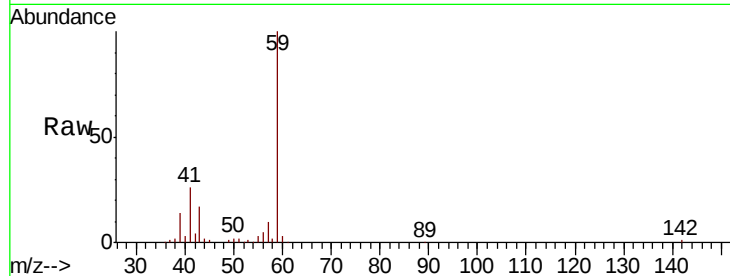


#11

Tert butyl alcohol
 Concen: 239.796 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

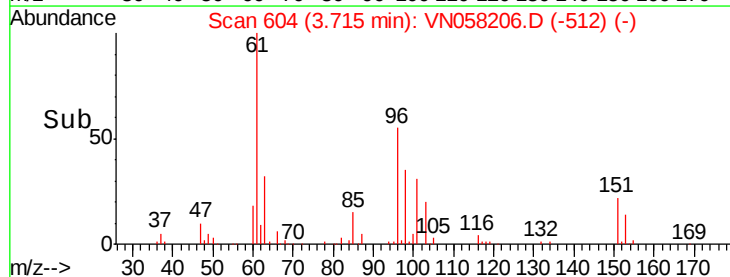
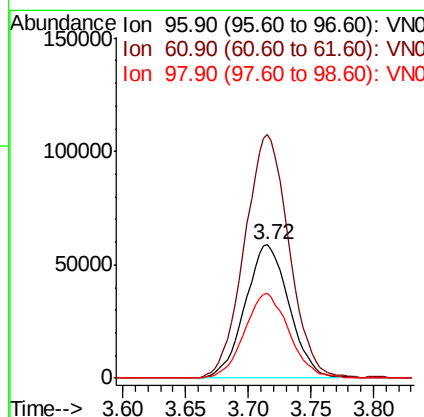
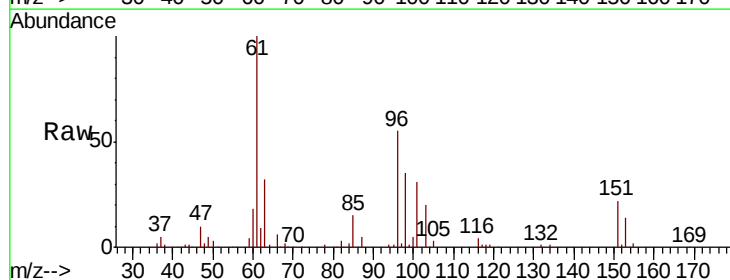
Tot Ion: 59 Resp: 198546
 Ion Ratio Lower Upper
 59 100
 57 3.3 8.6 13.0#

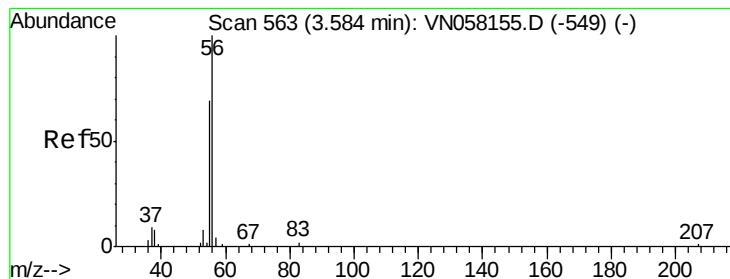


#12

1,1-Dichloroethene
 Concen: 46.730 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 96 Resp: 143348
 Ion Ratio Lower Upper
 96 100
 61 183.1 149.5 224.3
 98 63.8 52.4 78.6





#13

Acrolein

Concen: 290.612 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

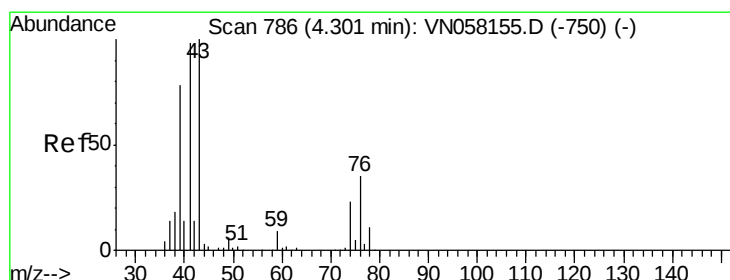
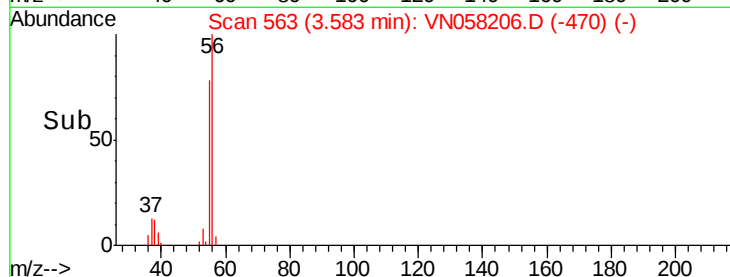
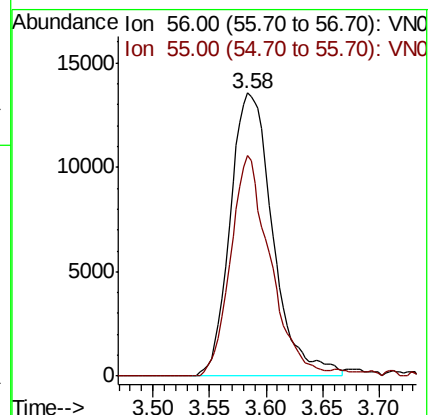
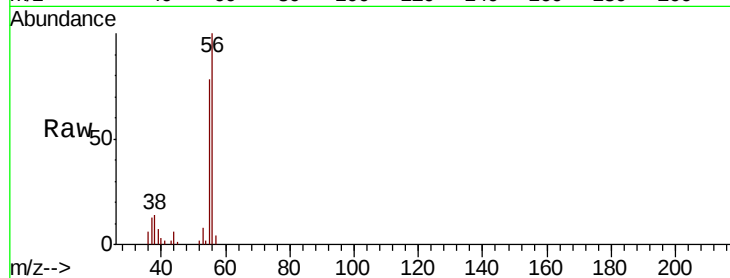
BFB

Tot Ion: 56 Resp: 35659

Ion Ratio Lower Upper

56 100

55 71.8 56.1 84.1



#14

Allyl chloride

Concen: 46.384 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

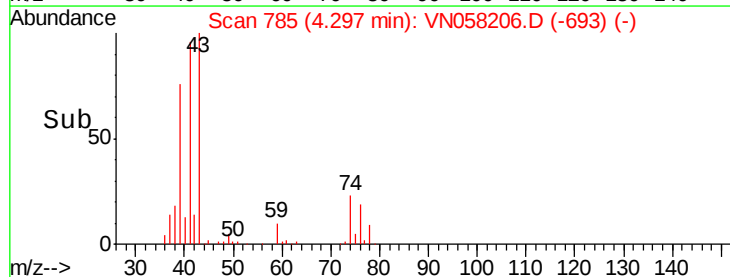
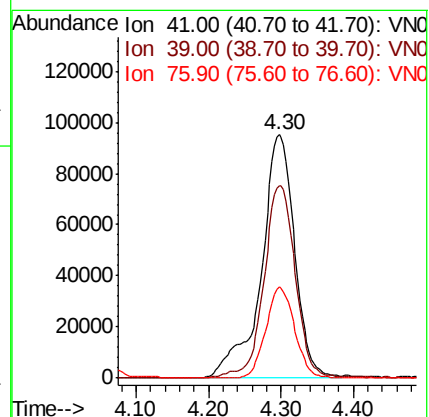
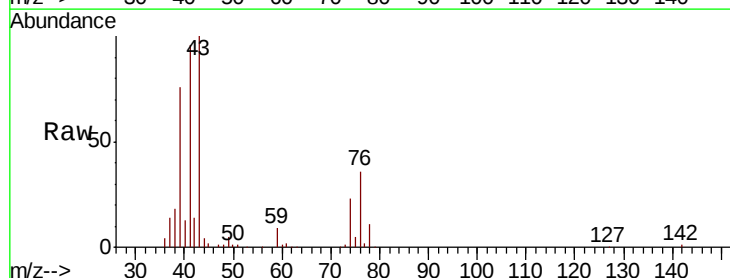
Tgt Ion: 41 Resp: 306643

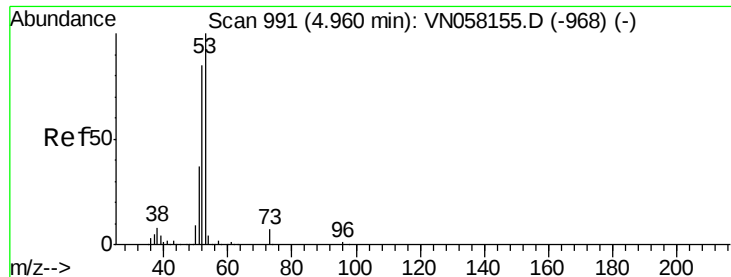
Ion Ratio Lower Upper

41 100

39 73.9 59.1 88.7

76 32.3 25.1 37.7





#15

Acrylonitrile

Concen: 247.652 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

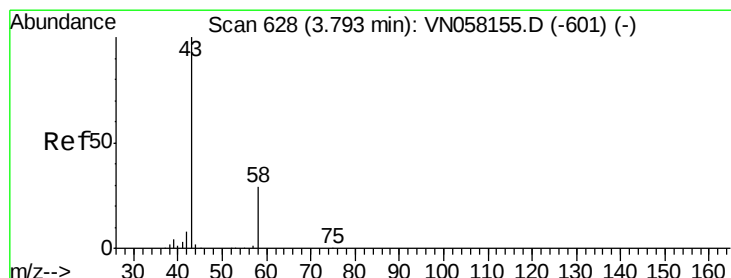
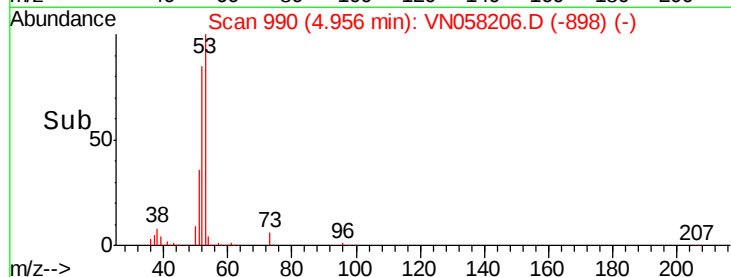
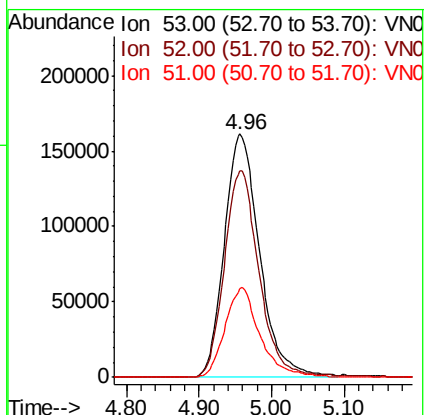
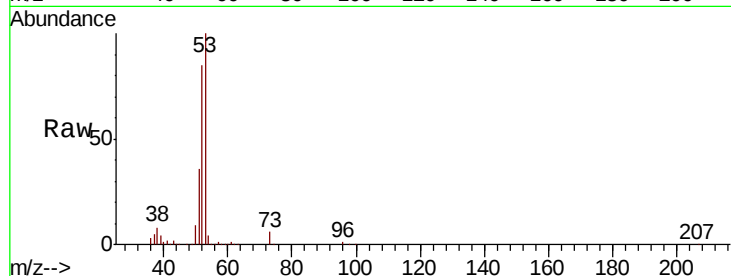
Tot Ion: 53 Resp: 546312

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 36.5 29.7 44.5



#16

Acetone

Concen: 236.734 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058206.D

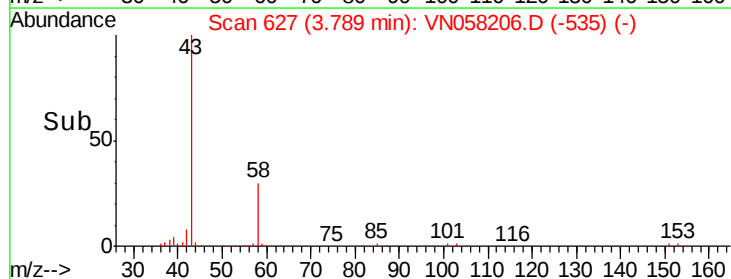
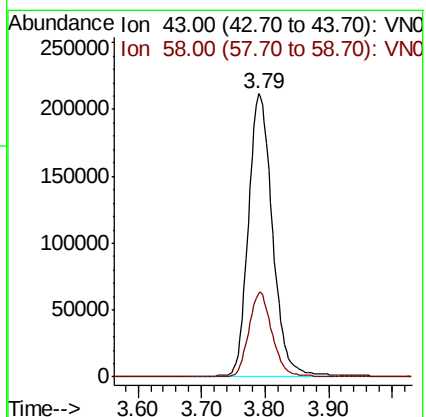
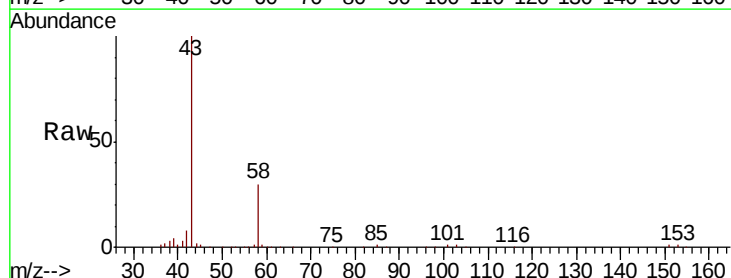
Acq: 19 Sep 2019 15:49

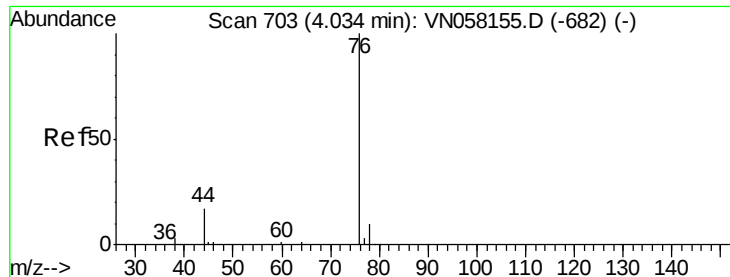
Tgt Ion: 43 Resp: 559331

Ion Ratio Lower Upper

43 100

58 29.5 23.4 35.2

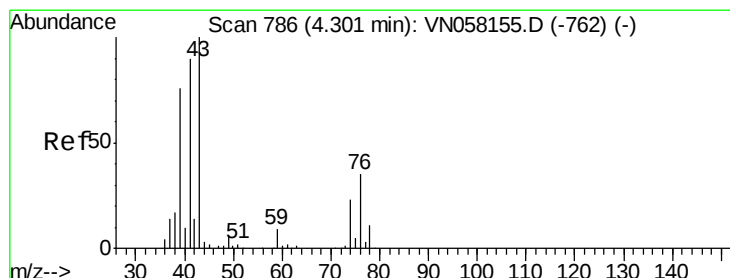
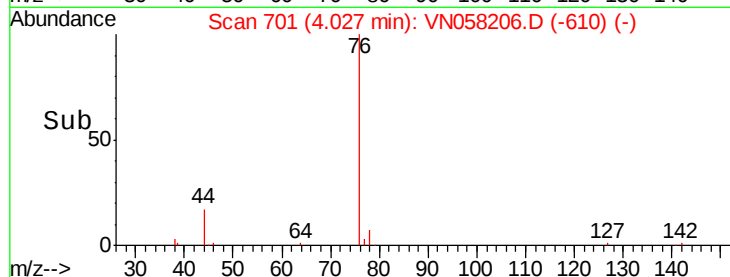
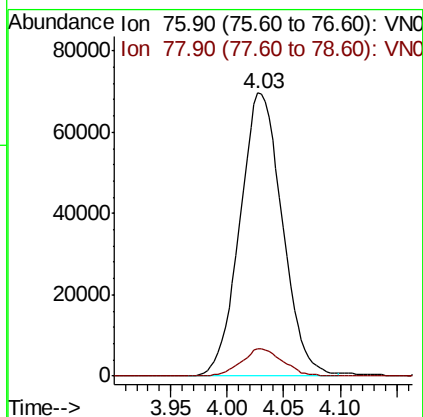
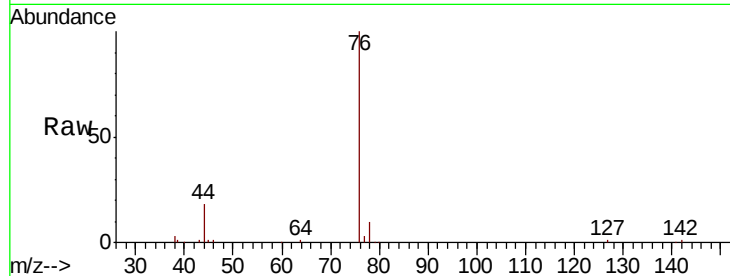




#17
Carbon Disulfide
Concen: 42.215 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

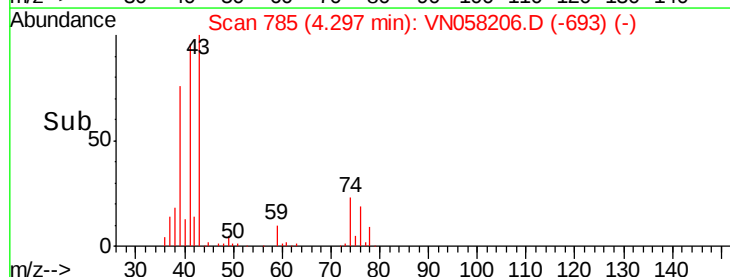
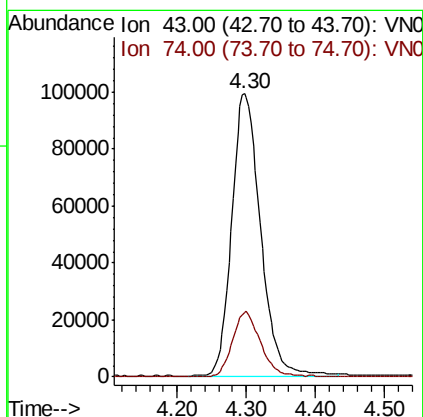
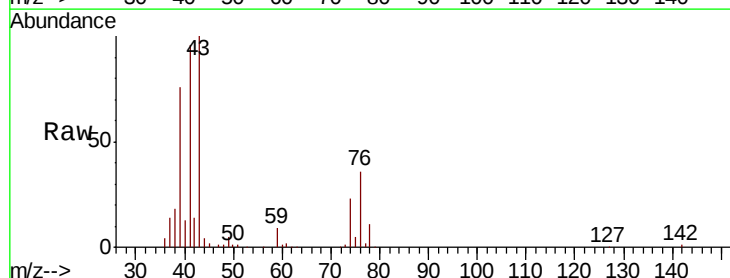
Instrument :
MSVOA_N
ClientSampleId :
BFB

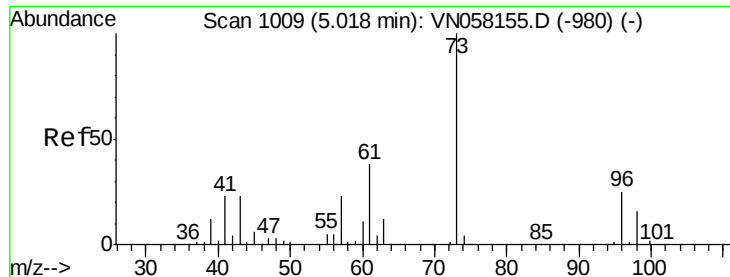
Tot Ion: 76 Resp: 182003
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5



#18
Methyl Acetate
Concen: 46.287 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 43 Resp: 287766
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0

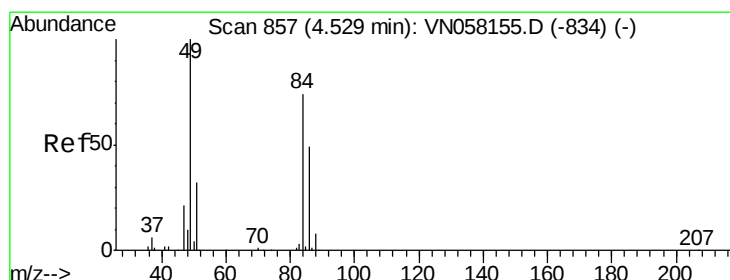
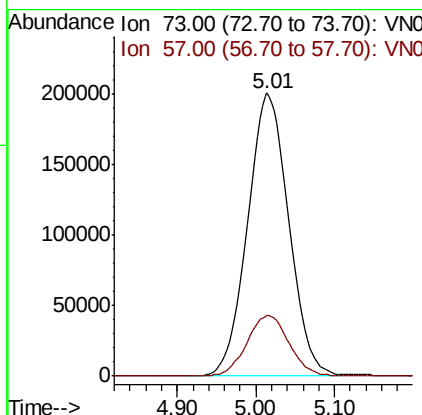
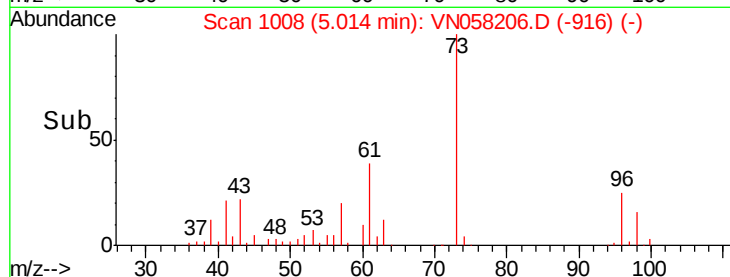
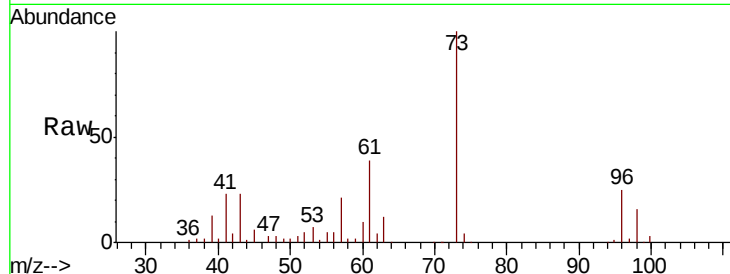




#19
Methyl tert-butyl Ether
Concen: 48.483 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

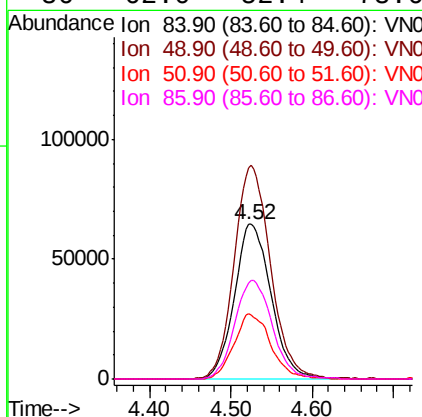
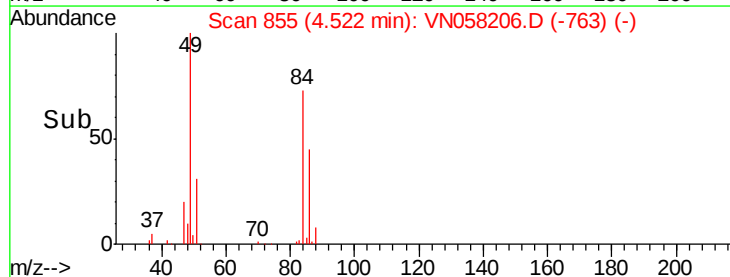
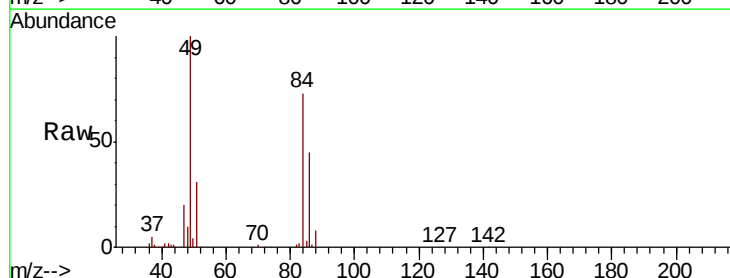
Instrument :
MSVOA_N
ClientSampled :
BFB

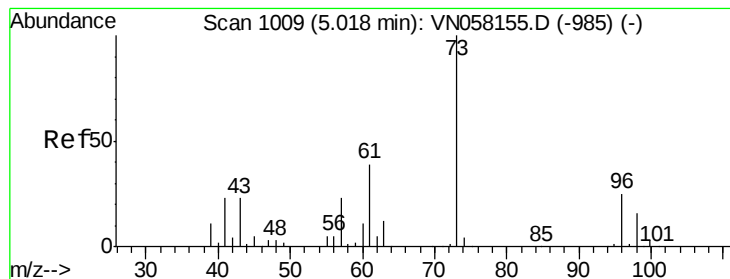
Tot Ion: 73 Resp: 738790
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 48.742 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 84 Resp: 201648
Ion Ratio Lower Upper
84 100
49 136.6 107.5 161.3
51 42.6 33.9 50.9
86 62.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 47.364 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

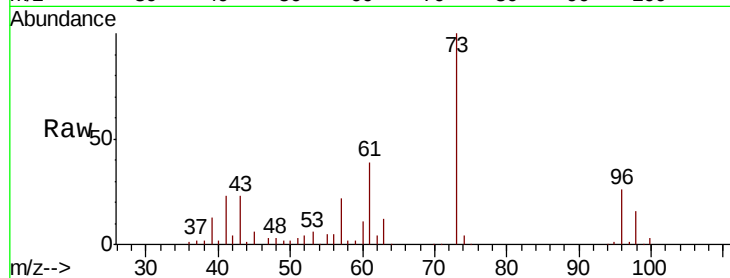
Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 96 Resp: 158314

Ion	Ratio	Lower	Upper
96	100		
61	150.4	122.2	183.4
98	63.0	49.9	74.9

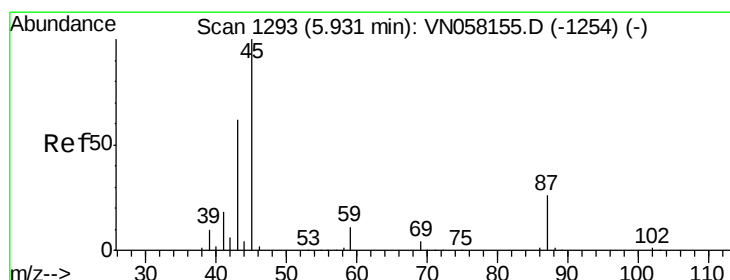
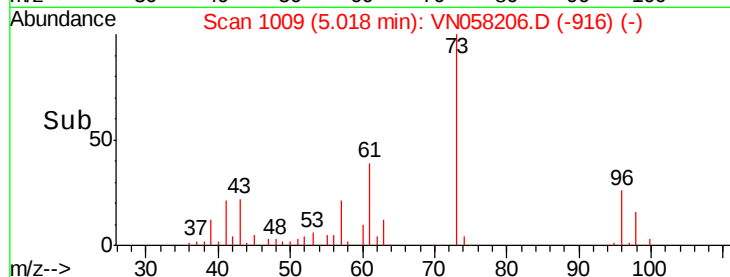
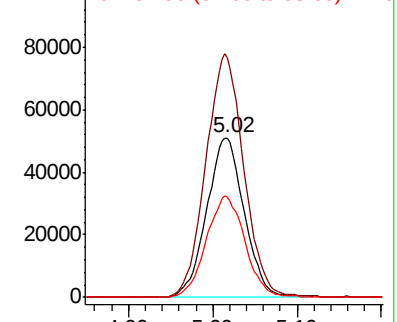


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.190 ug/l

RT: 5.93 min Scan# 1292

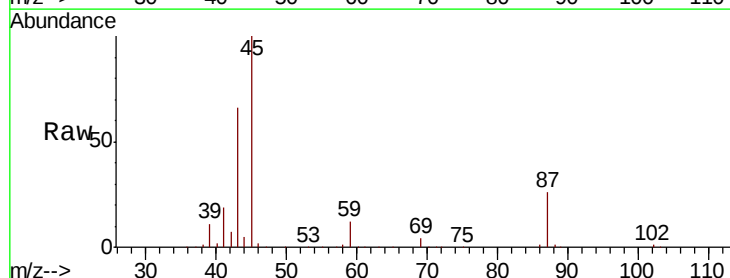
Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion: 45 Resp: 826070

Ion	Ratio	Lower	Upper
45	100		
43	65.3	49.7	74.5
87	25.6	20.7	31.1
59	11.4	9.1	13.7



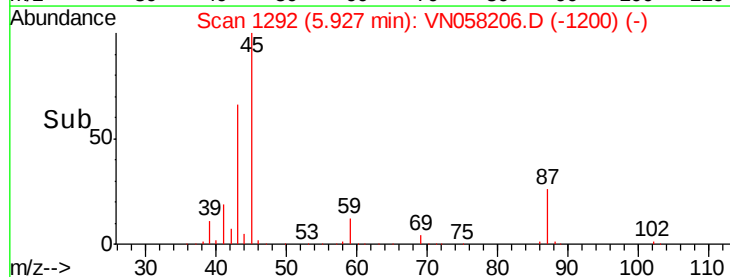
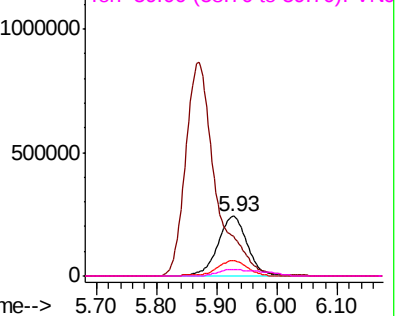
Abundance

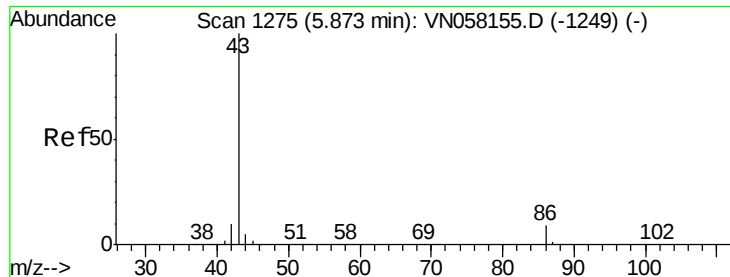
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

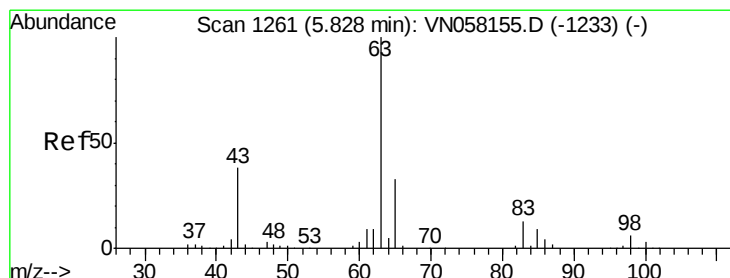
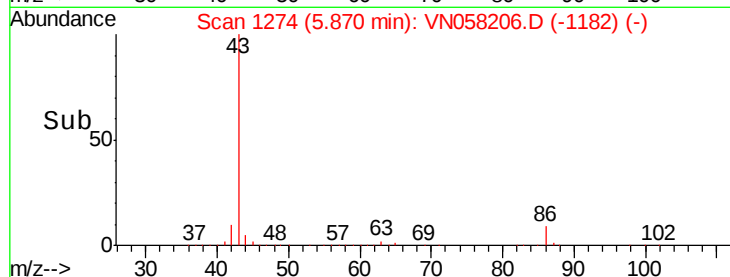
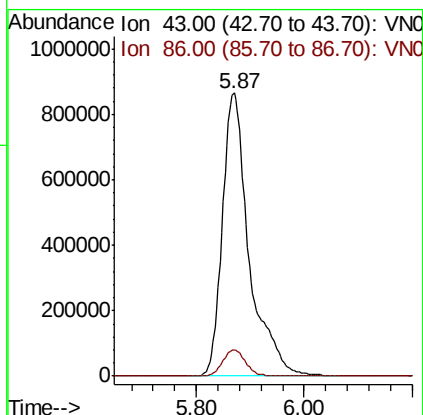
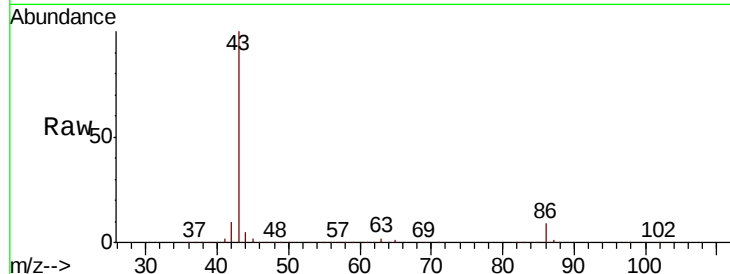




#23
 Vinyl Acetate
 Concen: 259.455 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

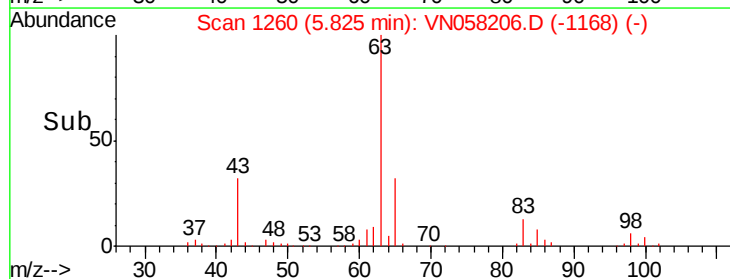
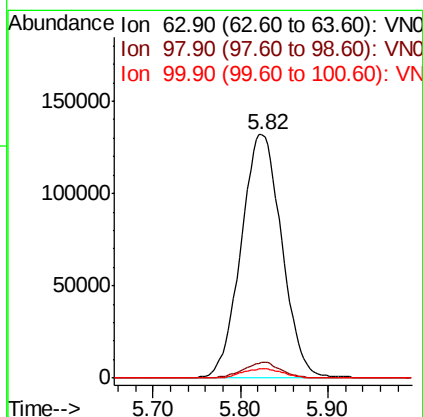
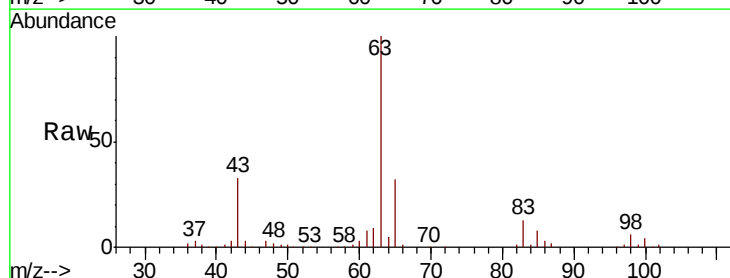
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

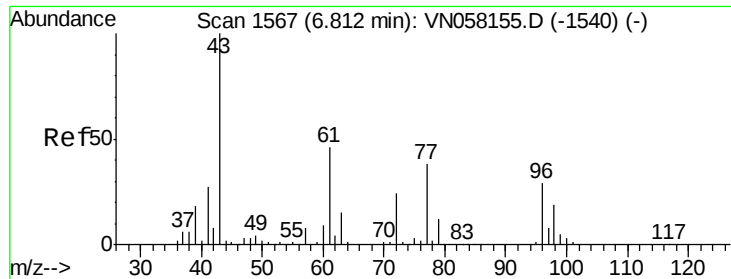
Tot Ion: 43 Resp: 2981380
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 47.488 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 63 Resp: 425630
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.6
 100 3.8 1.8 5.3

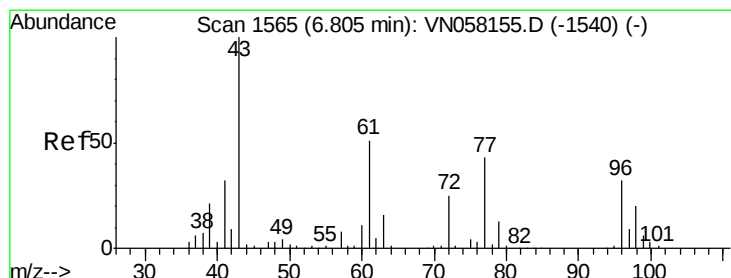
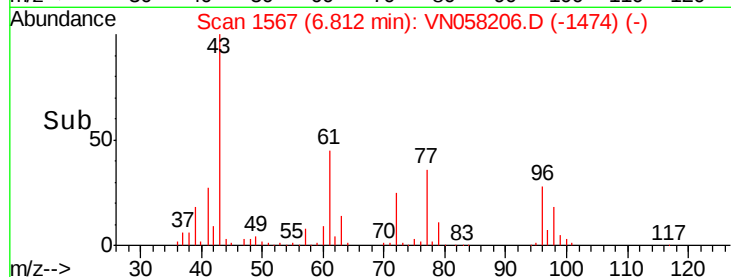
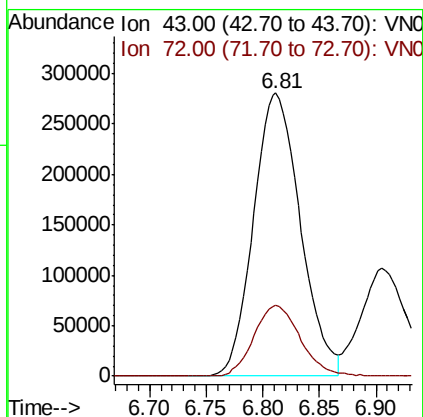
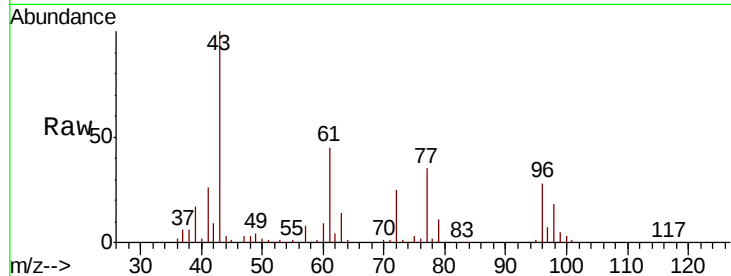




#25
2-Butanone
Concen: 249.890 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

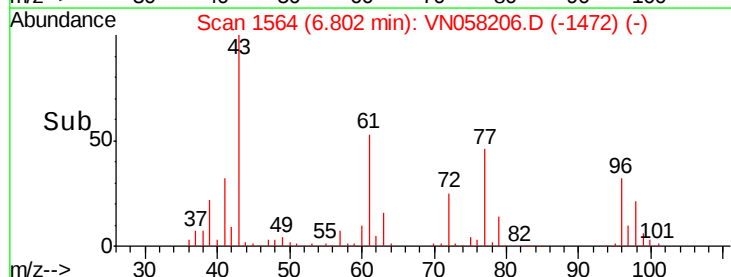
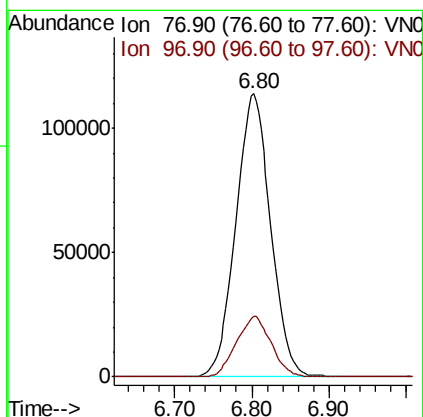
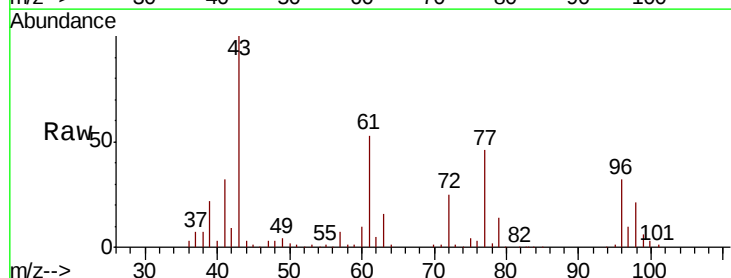
Instrument :
MSVOA_N
ClientSampled :
BFB

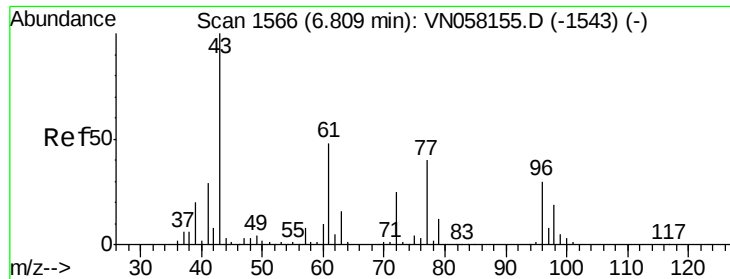
Tot Ion: 43 Resp: 804370
Ion Ratio Lower Upper
43 100
72 25.1 19.5 29.3



#26
2,2-Dichloropropane
Concen: 46.721 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 77 Resp: 355256
Ion Ratio Lower Upper
77 100
97 21.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.051 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

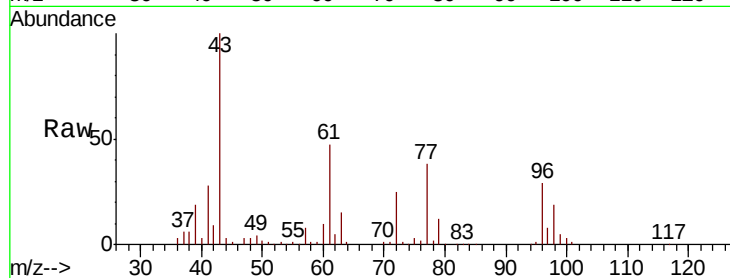
Tot Ion: 96 Resp: 238450

Ion Ratio Lower Upper

96 100

61 163.2 0.0 319.0

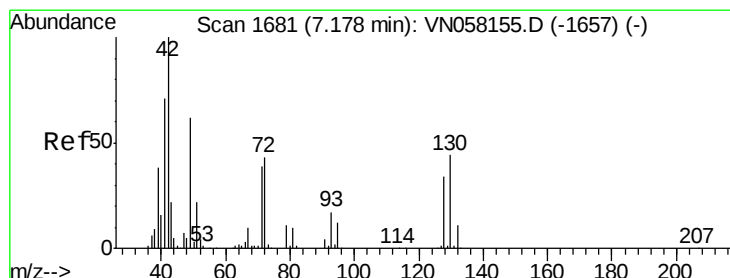
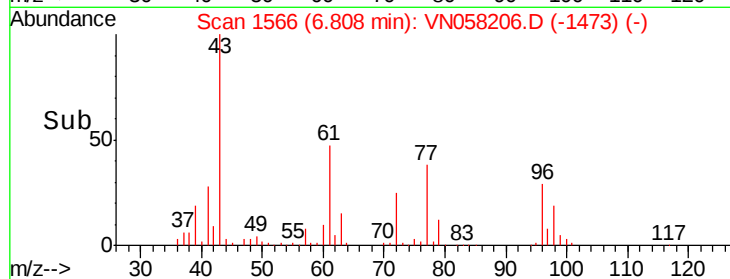
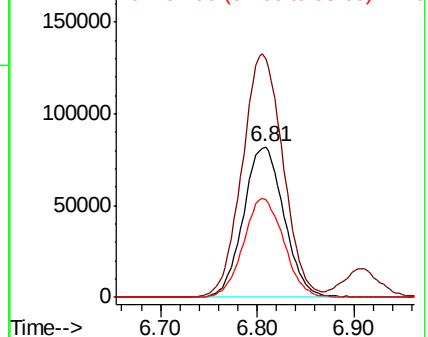
98 65.6 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.460 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

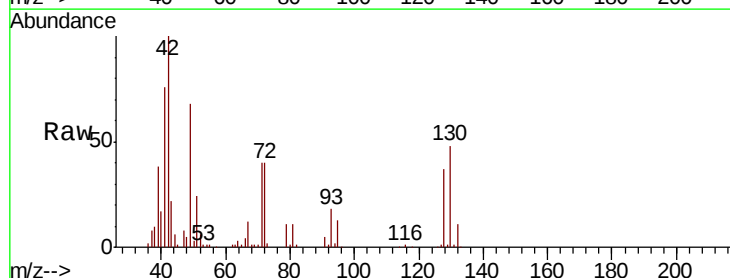
Tgt Ion: 49 Resp: 218189

Ion Ratio Lower Upper

49 100

129 1.8 0.0 1.8#

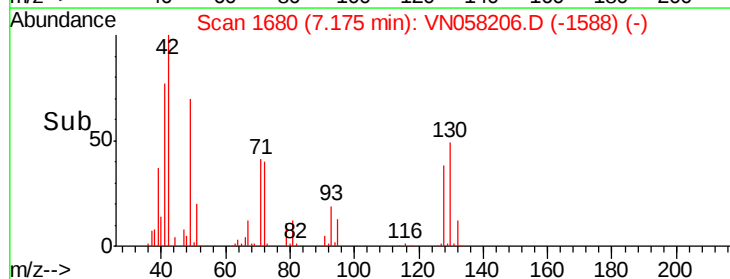
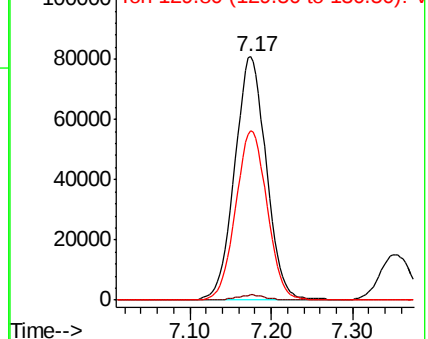
130 69.1 55.4 83.2

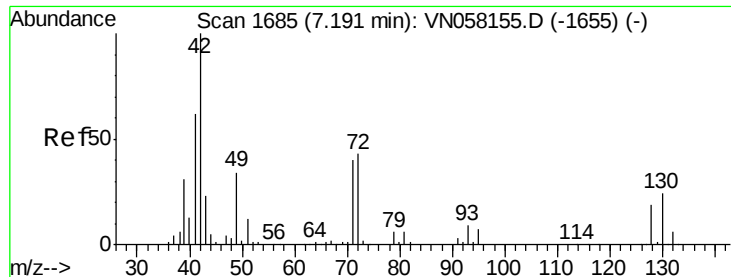


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

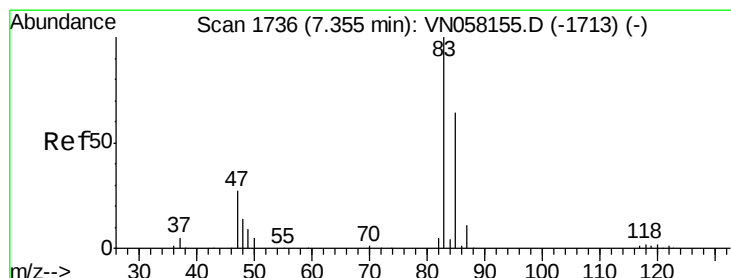
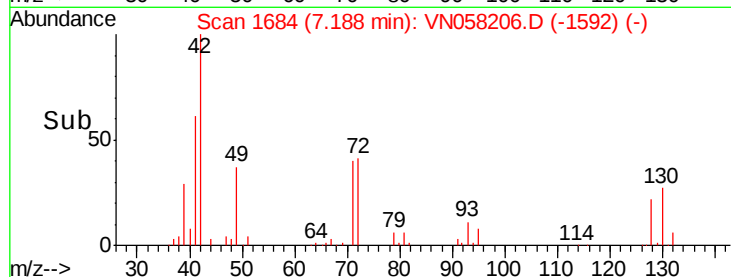
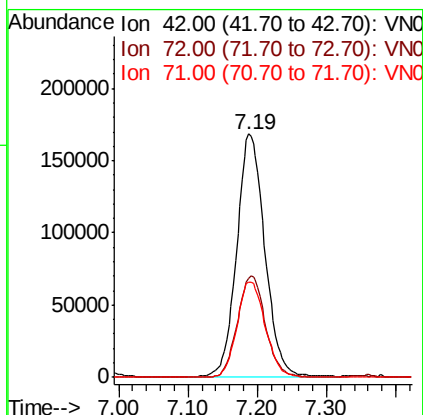
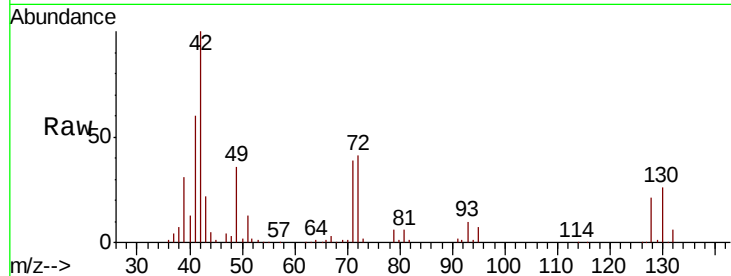




#29
Tetrahydrofuran
Concen: 239.551 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

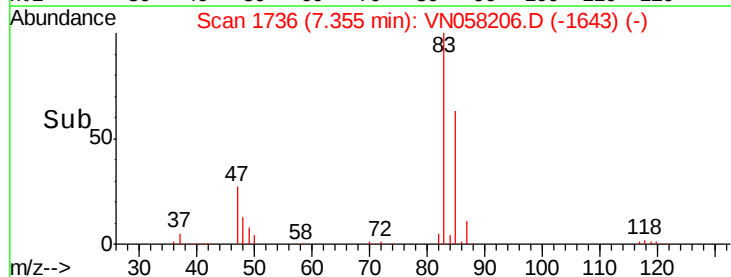
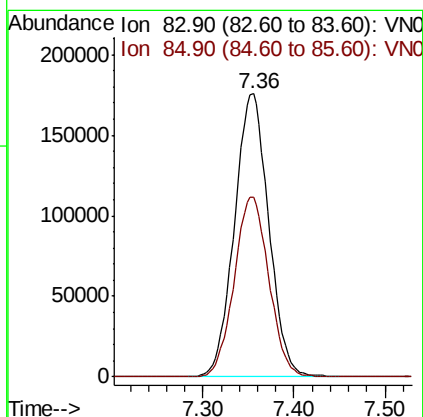
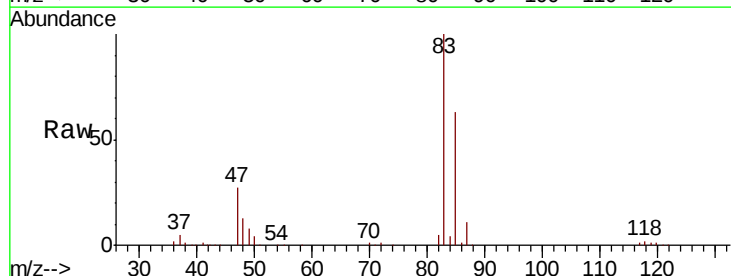
Instrument :
MSVOA_N
ClientSampled :
BFB

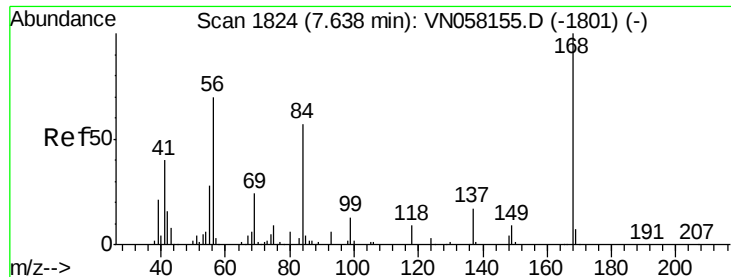
Tot Ion: 42 Resp: 474970
Ion Ratio Lower Upper
42 100
72 41.5 33.8 50.6
71 39.5 31.4 47.0



#30
Chloroform
Concen: 47.722 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 83 Resp: 460410
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.2





#31

Cyclohexane

Concen: 47.390 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
BFB

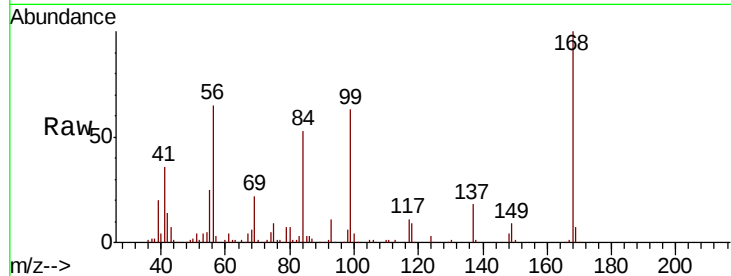
Tot Ion: 56 Resp: 275292

Ion Ratio Lower Upper

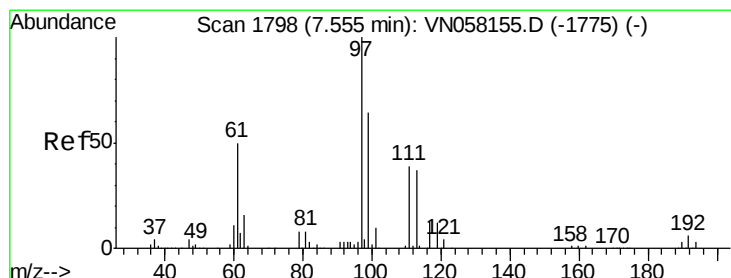
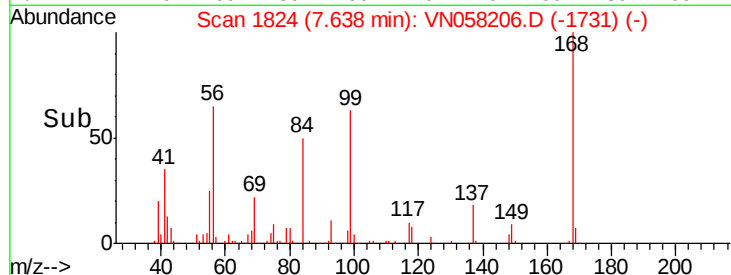
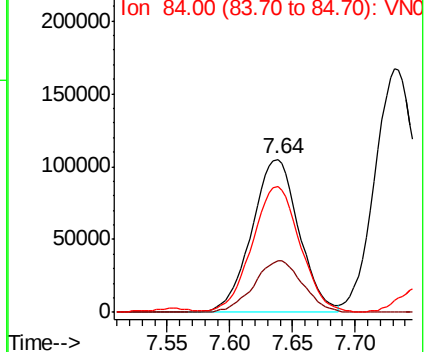
56 100

69 33.9 27.3 40.9

84 80.3 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 48.944 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

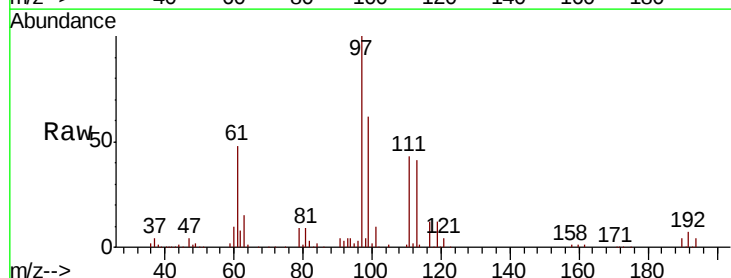
Tgt Ion: 97 Resp: 359475

Ion Ratio Lower Upper

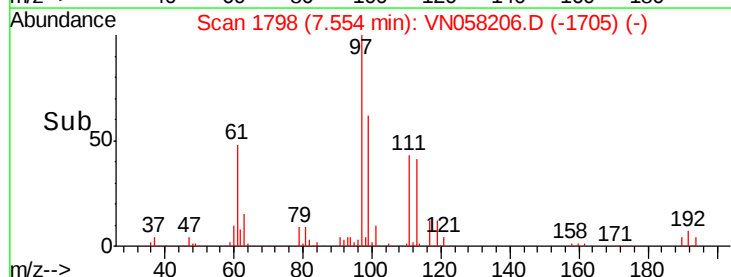
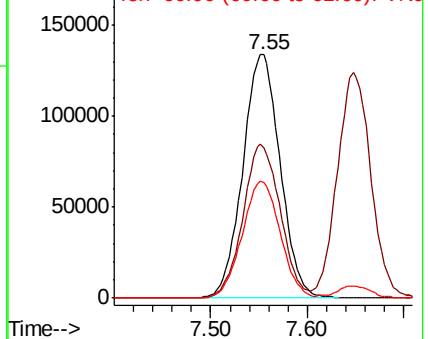
97 100

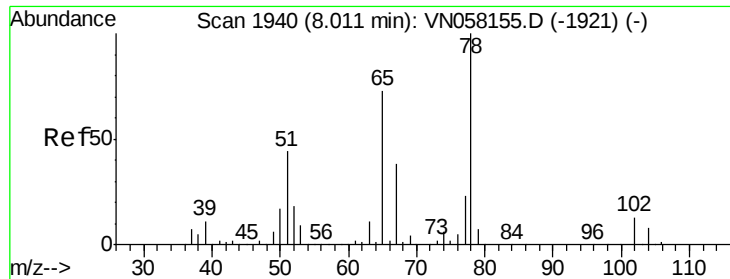
99 63.1 50.9 76.3

61 48.8 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.046 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

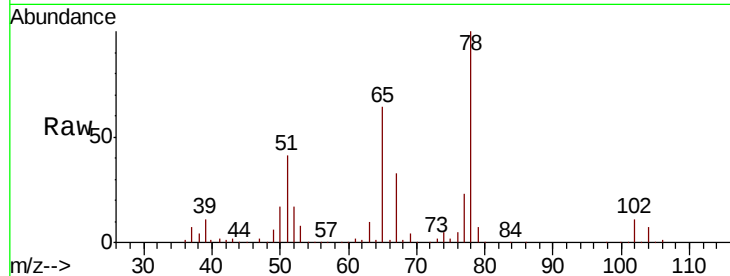
BFB

Tot Ion: 65 Resp: 355308

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN058155.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058155.D (-1921) (-)

8.01

150000

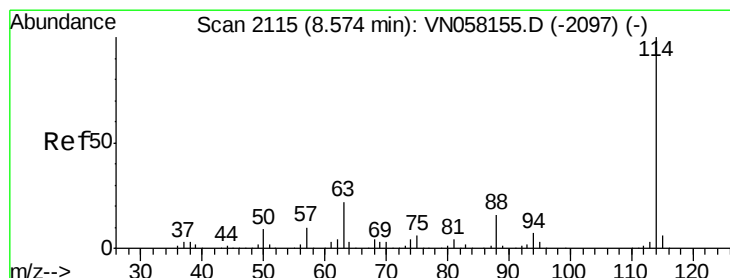
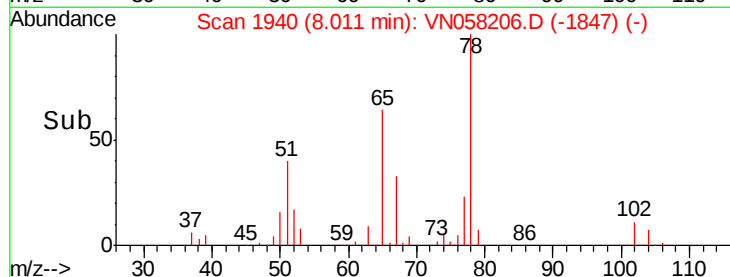
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

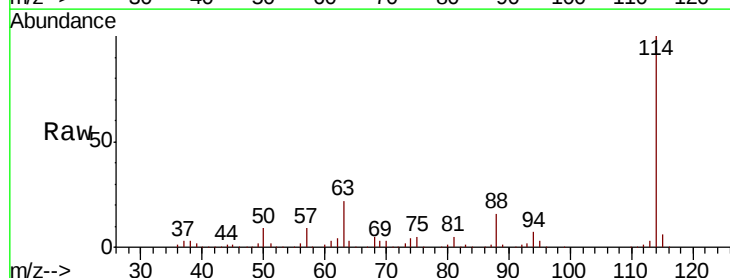
Tgt Ion: 114 Resp: 831558

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

88 15.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN058155.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058155.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058155.D (-2097) (-)

8.57

500000

400000

300000

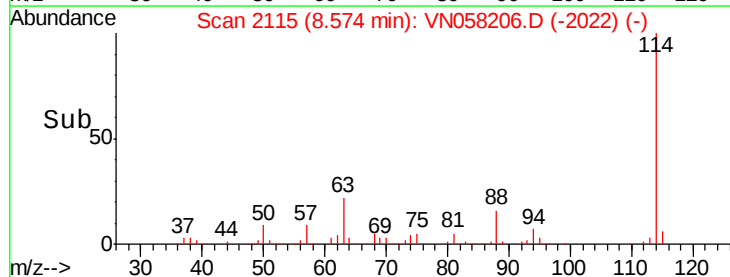
200000

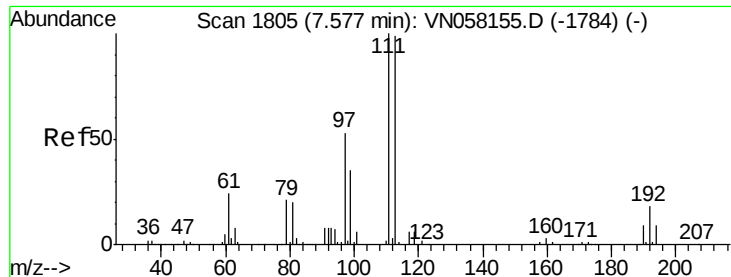
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 50.645 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

BFB

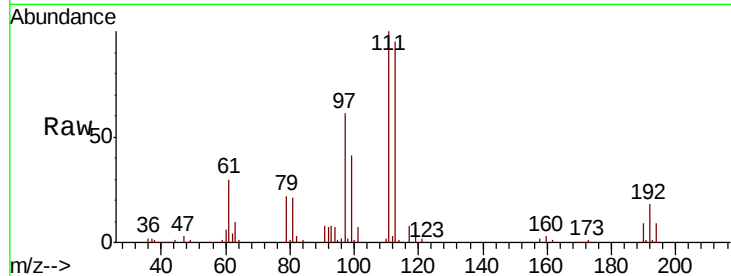
Tot Ion:113 Resp: 256021

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.6

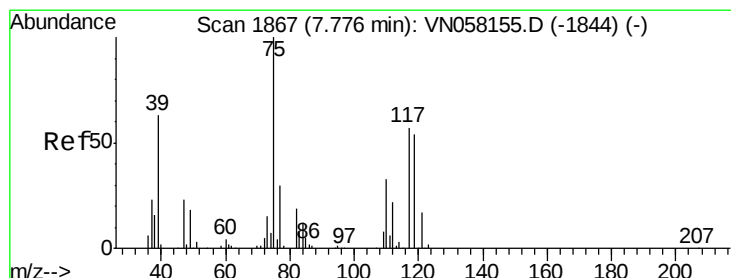
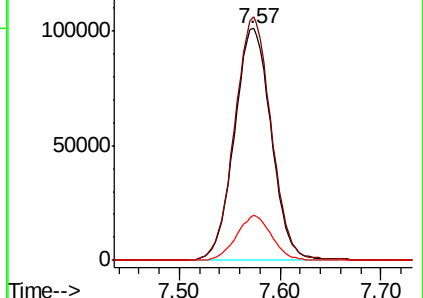
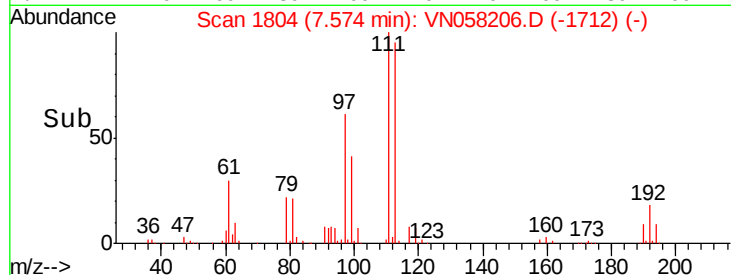
192 18.4 14.5 21.7



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: 45.071 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

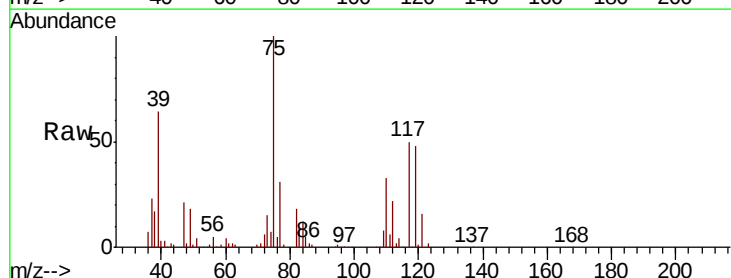
Tgt Ion: 75 Resp: 270280

Ion Ratio Lower Upper

75 100

110 33.1 16.6 49.7

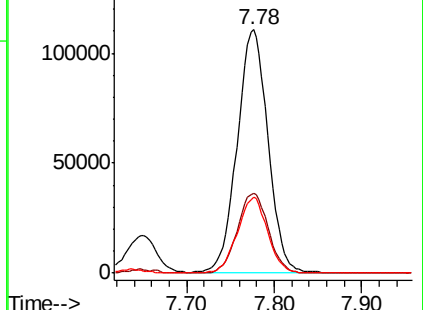
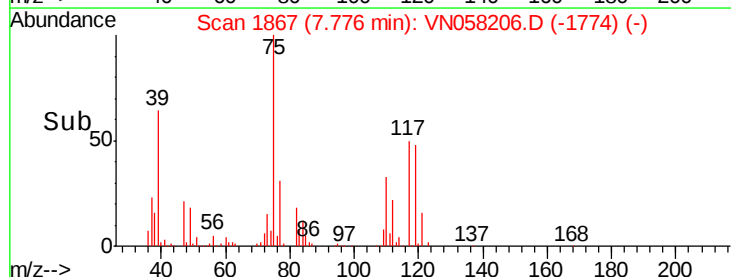
77 30.7 24.3 36.5

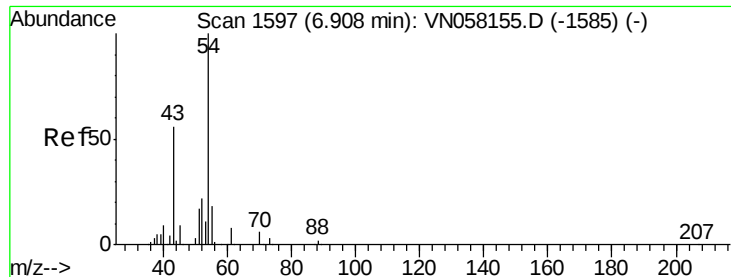


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

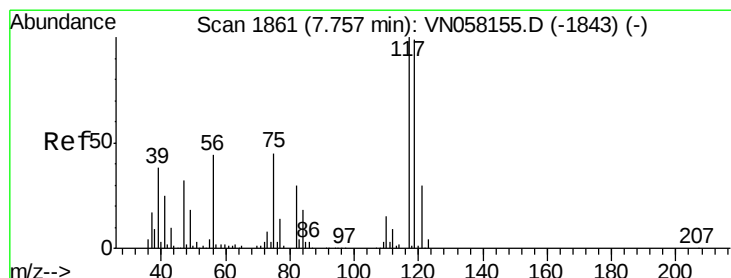
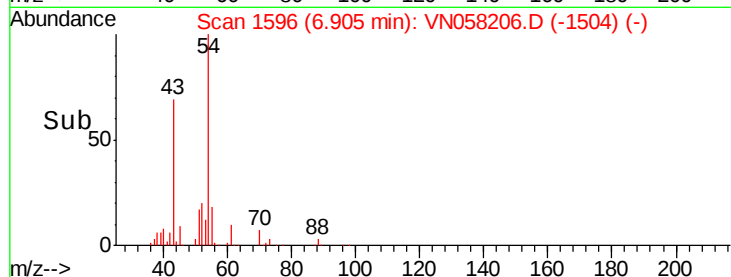
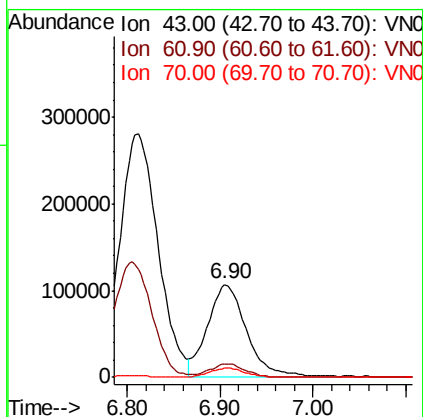
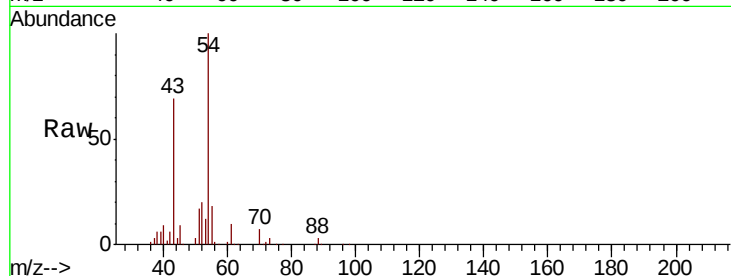




#37
Ethyl Acetate
Concen: 49.258 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

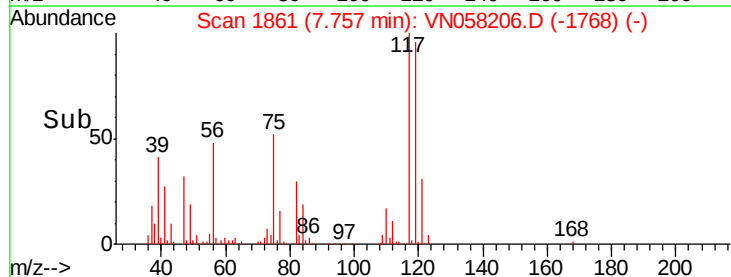
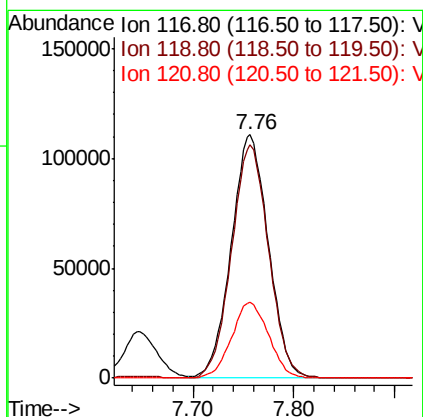
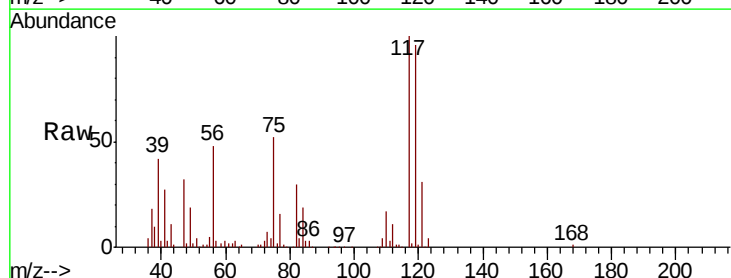
Instrument :
MSVOA_N
ClientSampleId :
BFB

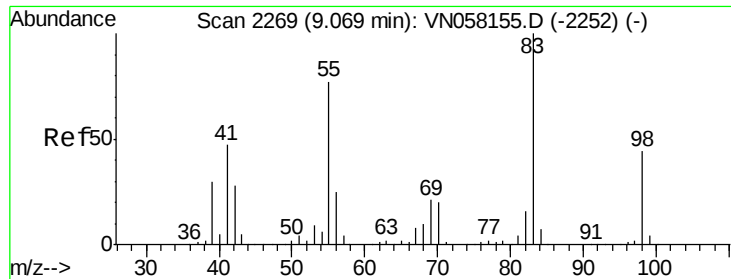
Tot Ion: 43 Resp: 306546
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.970 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 117 Resp: 283143
Ion Ratio Lower Upper
117 100
119 95.7 78.6 117.8
121 31.1 24.1 36.1

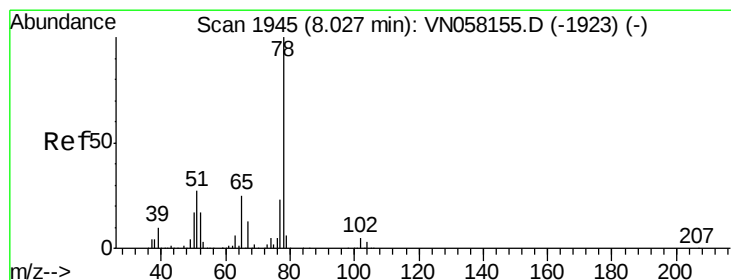
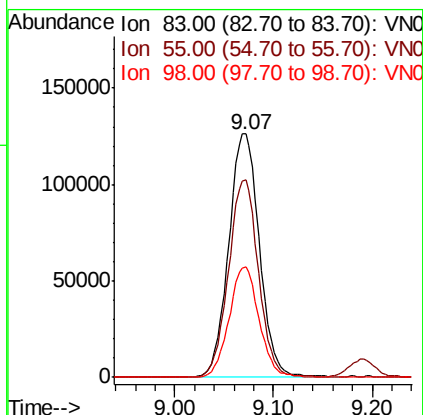
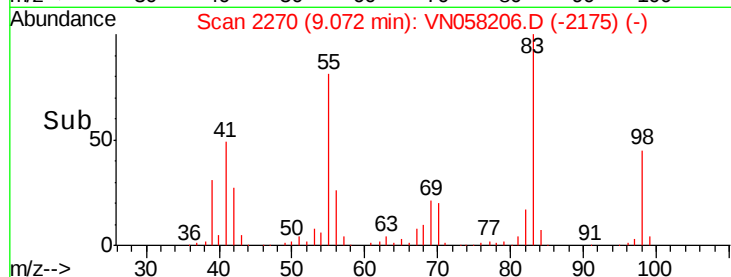
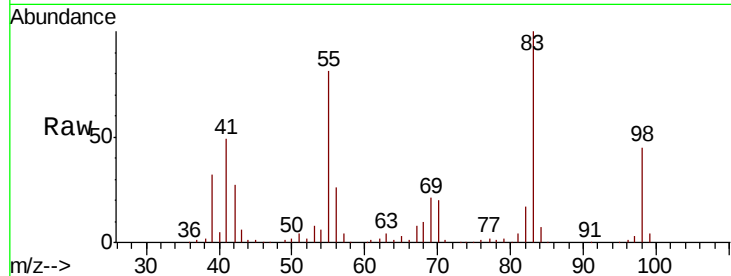




#39
Methvlcvclohexane
Concen: 47.450 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

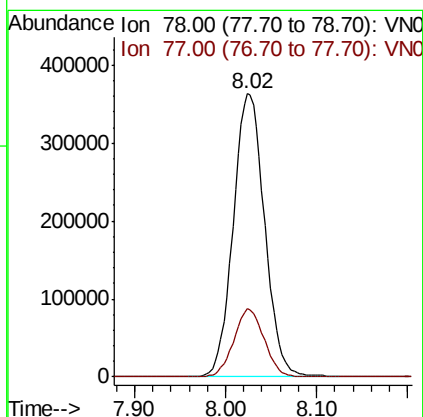
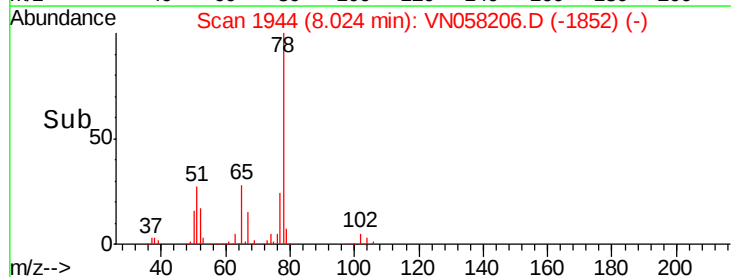
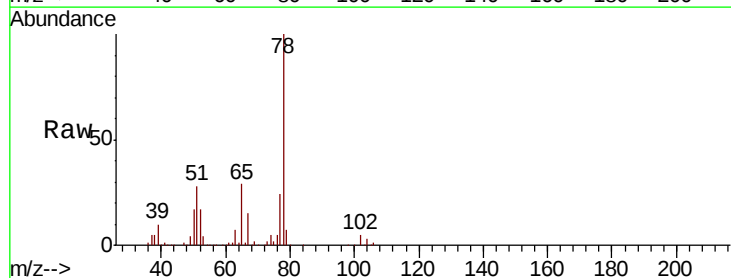
Instrument :
MSVOA_N
ClientSampleId :
BFB

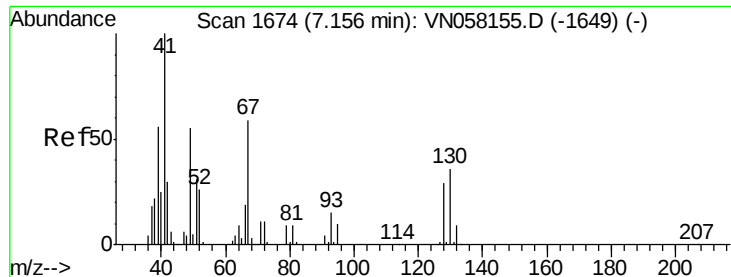
Tot Ion: 83 Resp: 275100
Ion Ratio Lower Upper
83 100
55 81.2 61.9 92.9
98 45.2 35.4 53.2



#40
Benzene
Concen: 47.478 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 78 Resp: 869615
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

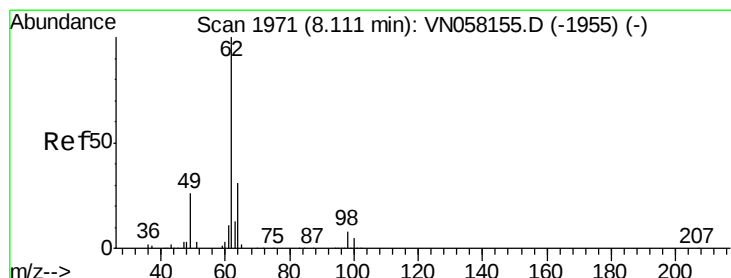
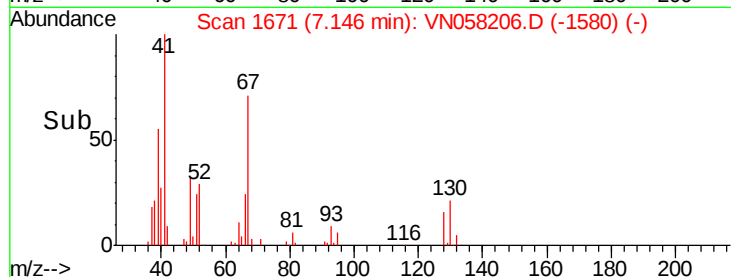
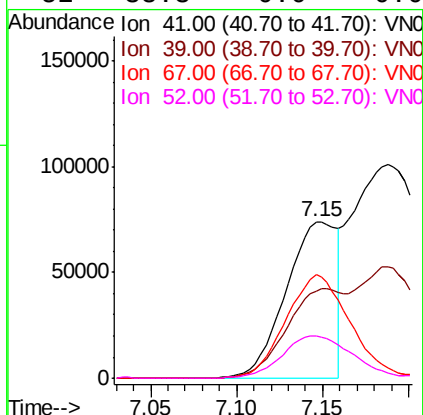
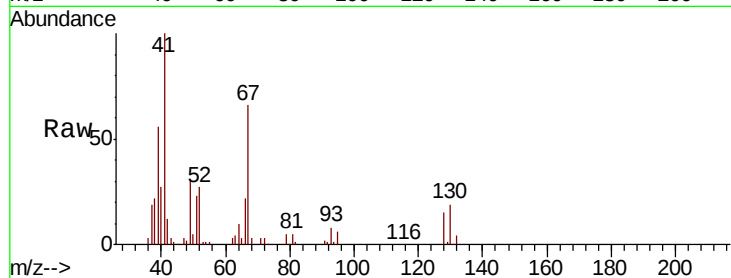




#41
Methacrylonitrile
Concen: 48.738 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

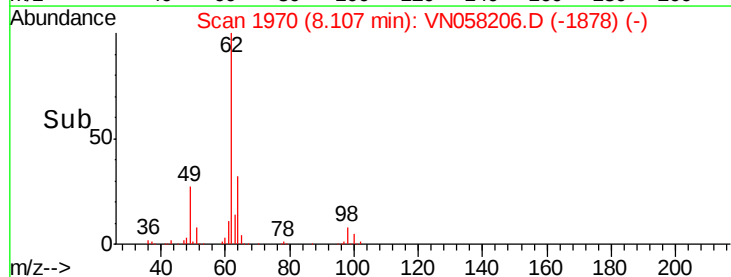
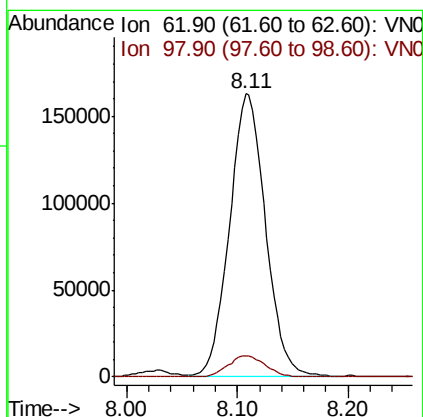
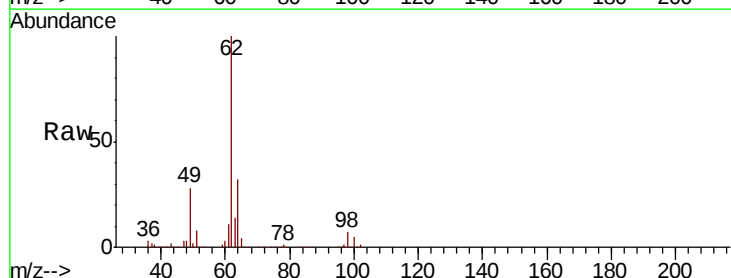
Instrument :
MSVOA_N
ClientSampled :
BFB

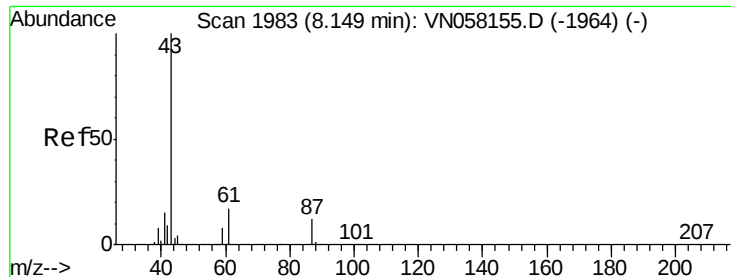
Tot Ion:	41	Resp:	152728
Ion	Ratio	Lower	Upper
41	100		
39	61.4	0.0	0.0#
67	84.4	0.0	0.0#
52	38.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 47.681 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:	62	Resp:	366453
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 48.218 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

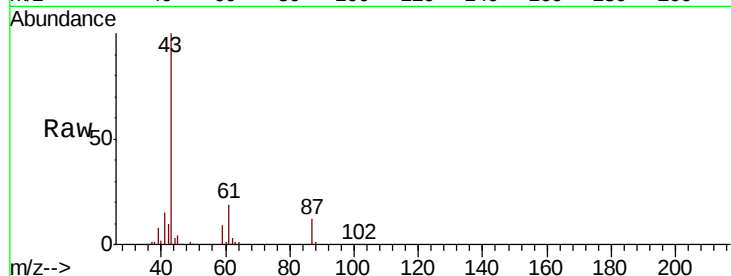
Tot Ion: 43 Resp: 560431

Ion Ratio Lower Upper

43 100

61 24.7 19.7 29.5

87 11.9 9.4 14.2

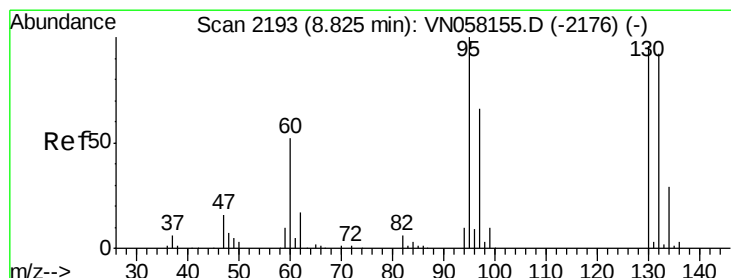
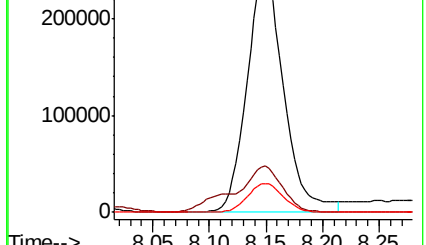
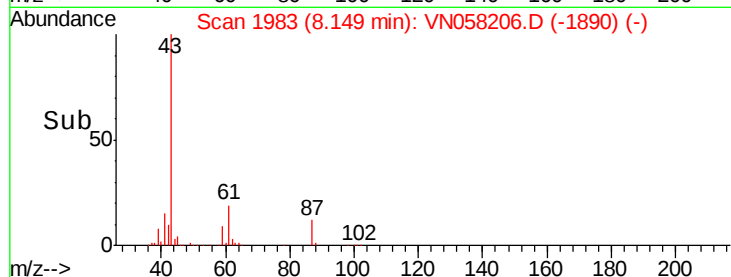


Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)

Time-->



#44

Trichloroethene

Concen: 47.338 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058206.D

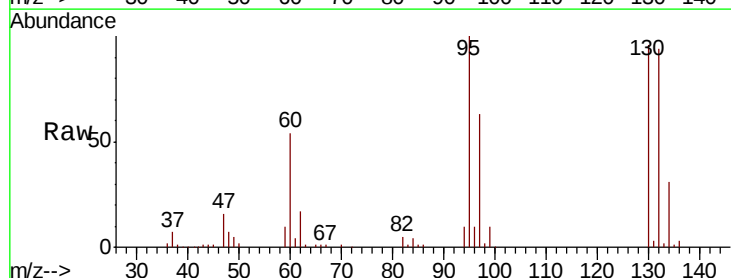
Acq: 19 Sep 2019 15:49

Tgt Ion: 130 Resp: 212180

Ion Ratio Lower Upper

130 100

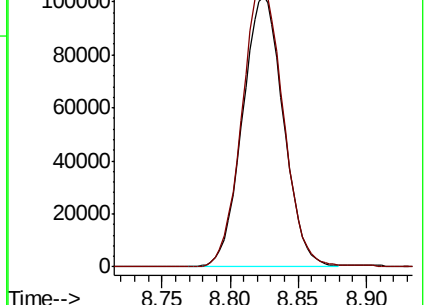
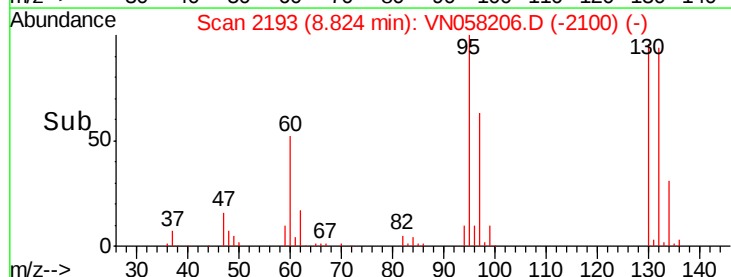
95 103.8 0.0 207.8

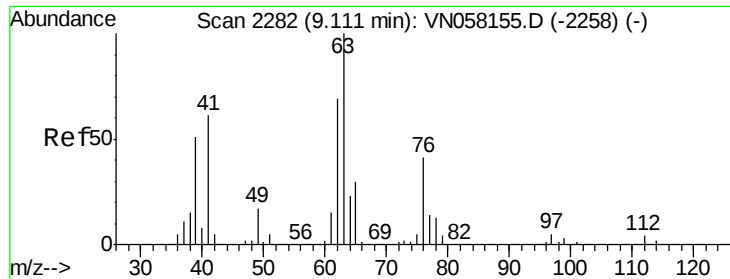


Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

Time-->

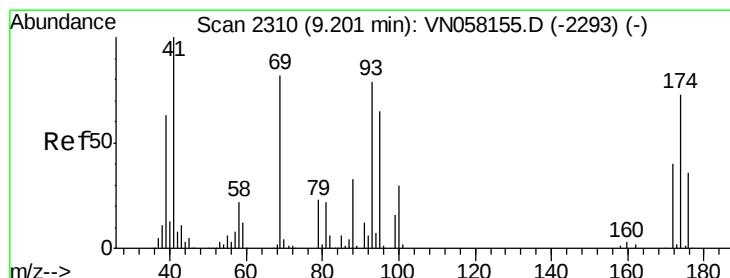
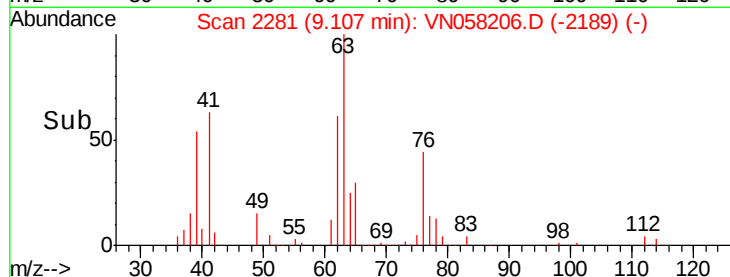
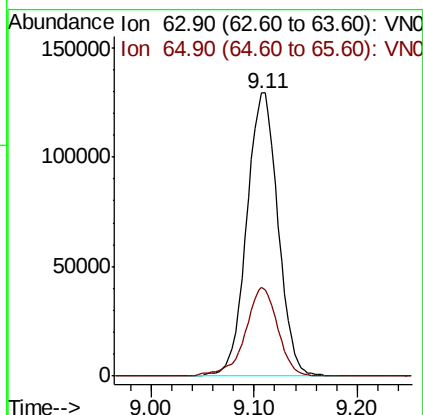
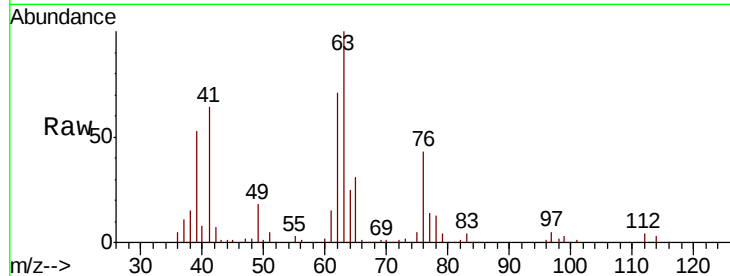




#45
 1,2-Dichloropropane
 Concen: 49.798 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

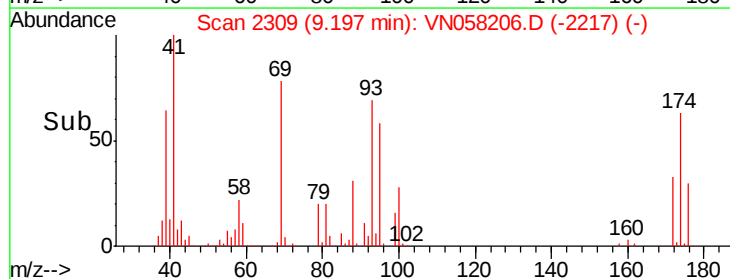
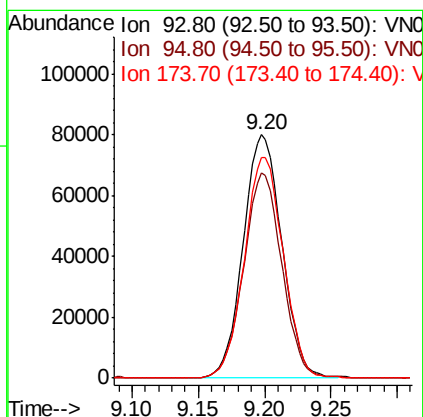
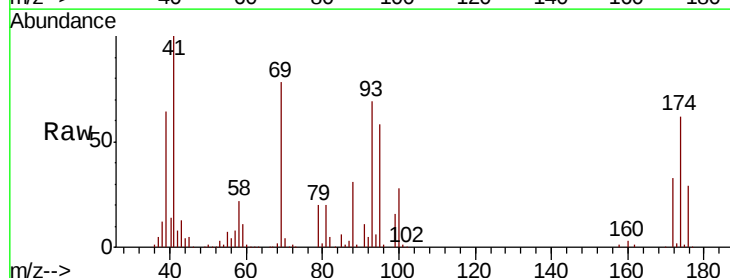
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

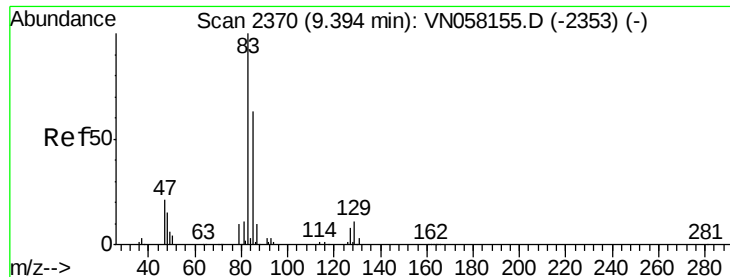
Tot Ion: 63 Resp: 272390
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6



#46
 Dibromomethane
 Concen: 48.855 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 93 Resp: 162473
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 91.3 73.8 110.8





#47

Bromodichloromethane

Concen: 50.856 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

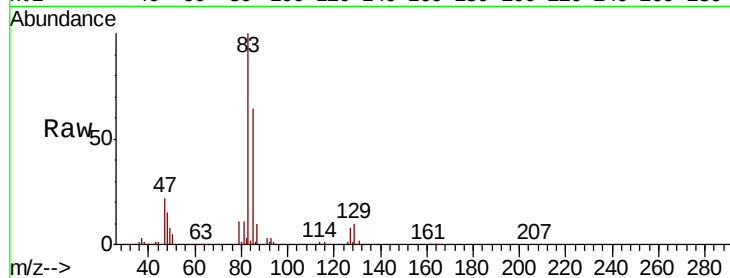
Tot Ion: 83 Resp: 354315

Ion Ratio Lower Upper

83 100

85 64.1 50.1 75.1

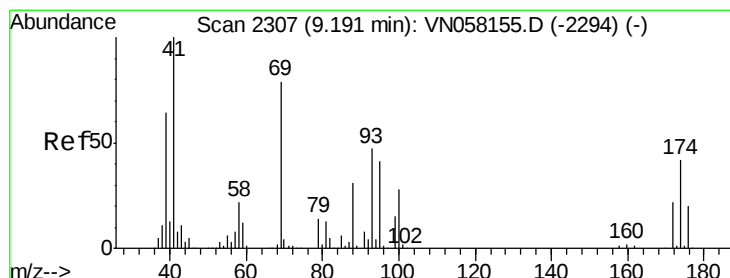
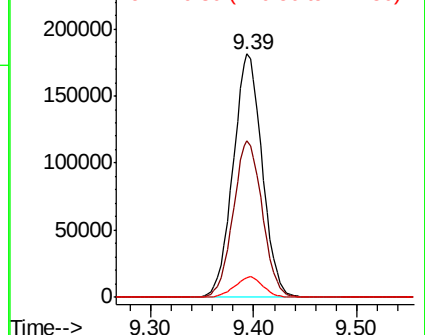
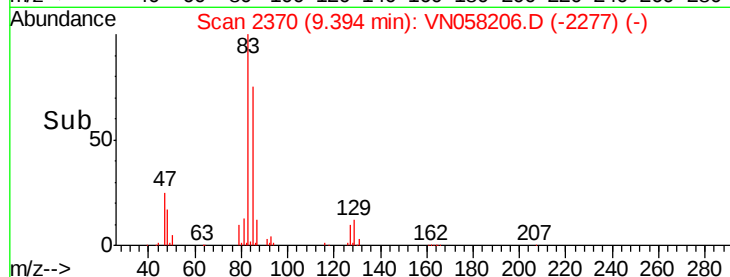
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058206.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058206.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058206.D (-2277) (-)



#48

Methyl methacrylate

Concen: 49.894 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

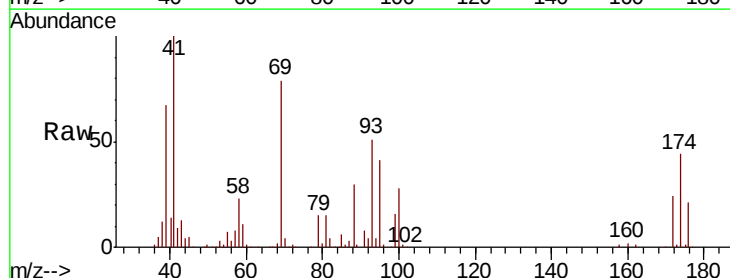
Tgt Ion: 41 Resp: 263302

Ion Ratio Lower Upper

41 100

69 79.3 62.5 93.7

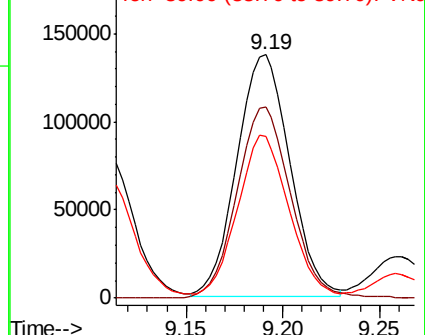
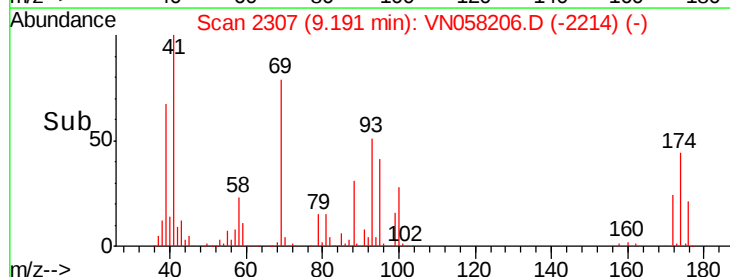
39 65.2 52.3 78.5

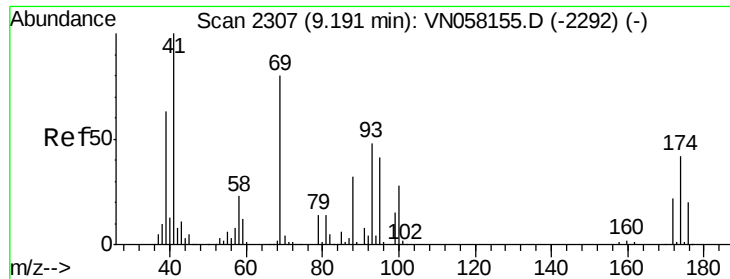


Abundance Ion 41.00 (40.70 to 41.70): VN058206.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058206.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058206.D (-2214) (-)

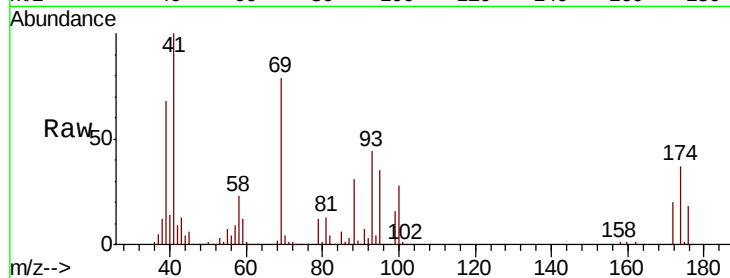




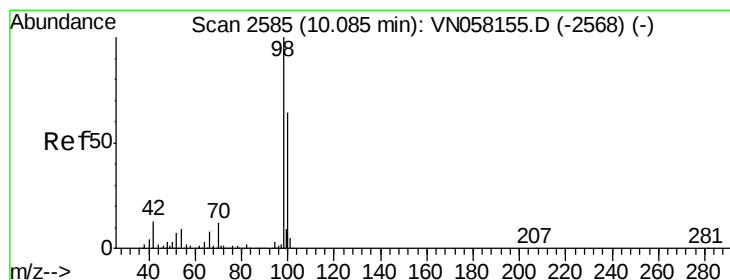
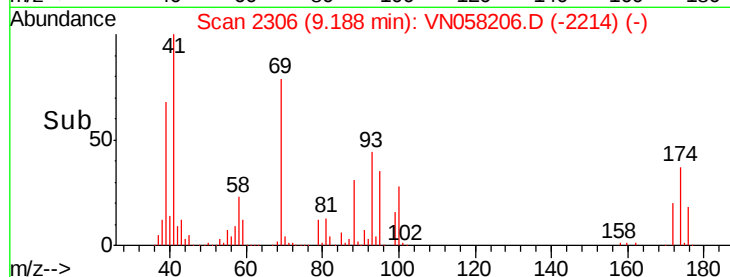
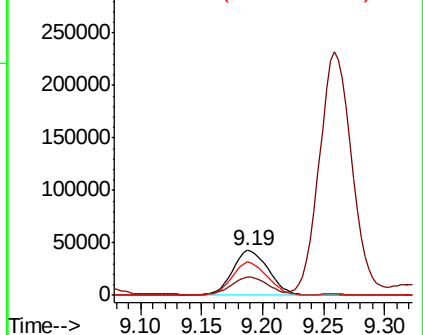
#49
 1,4-Dioxane
 Concen: 1019.968 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

Tot Ion: 88 Resp: 88372
 Ion Ratio Lower Upper
 88 100
 43 38.1 27.8 41.8
 58 72.8 55.0 82.4

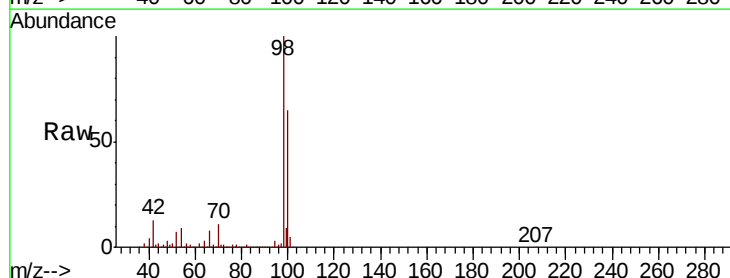


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

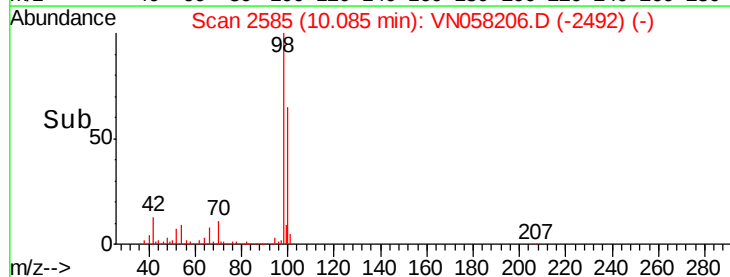
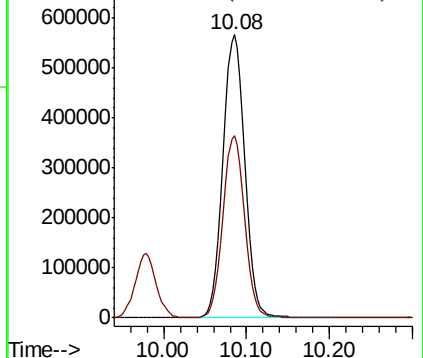


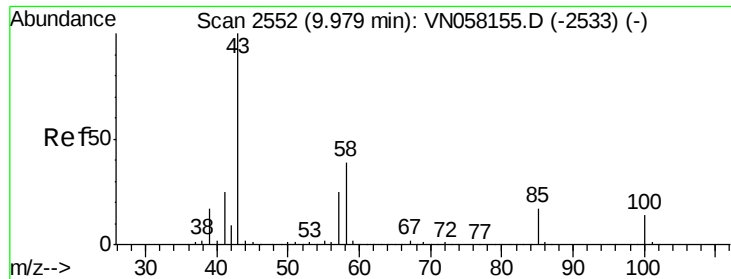
#50
 Toluene-d8
 Concen: 52.735 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 98 Resp: 1038673
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 276.403 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

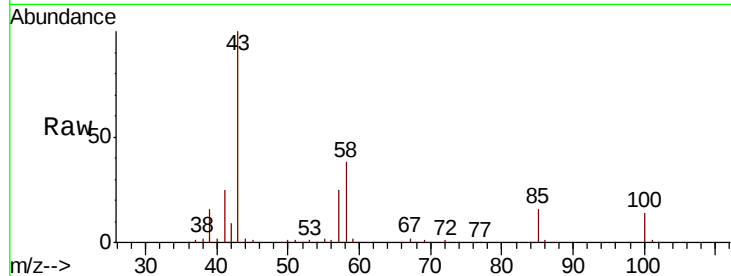
BFB

Tot Ion: 43 Resp: 1706368

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000000

800000

600000

400000

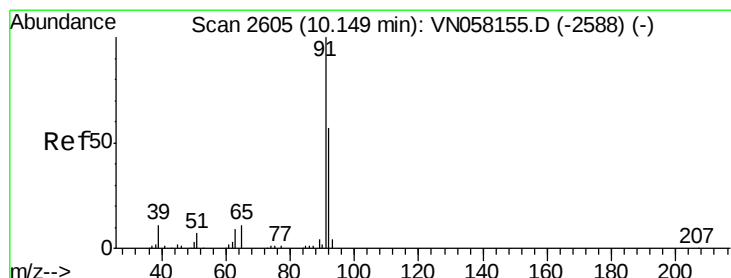
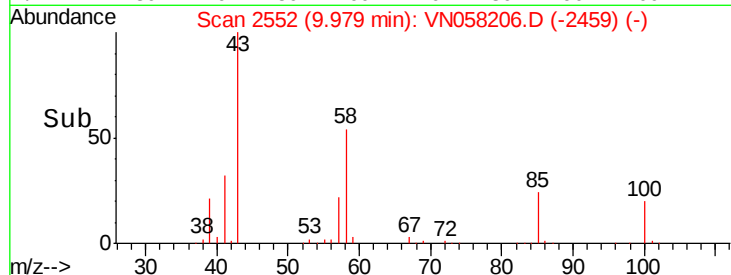
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 49.068 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058206.D

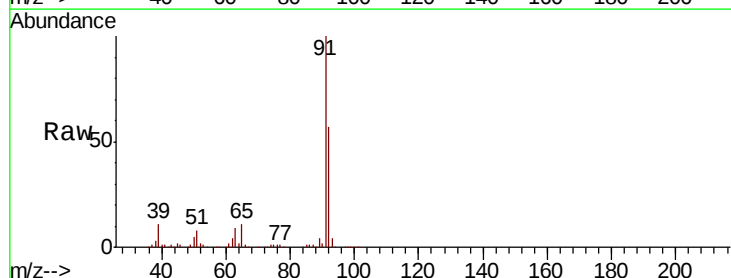
Acq: 19 Sep 2019 15:49

Tgt Ion: 92 Resp: 563246

Ion Ratio Lower Upper

92 100

91 176.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

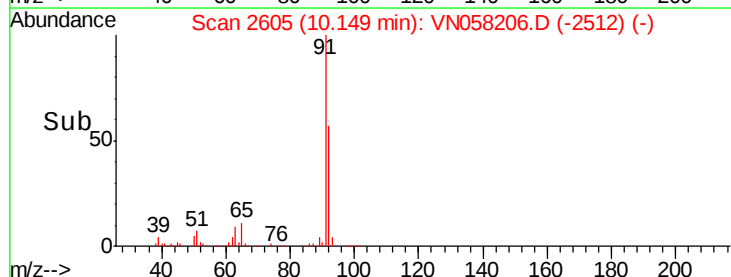
100000

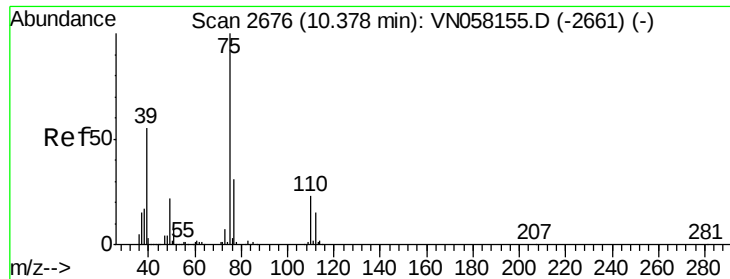
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.725 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

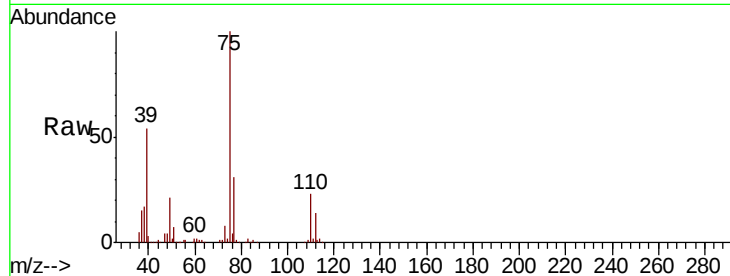
BFB

Tot Ion: 75 Resp: 376283

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

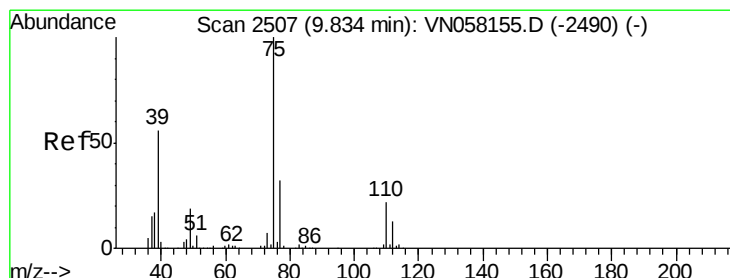
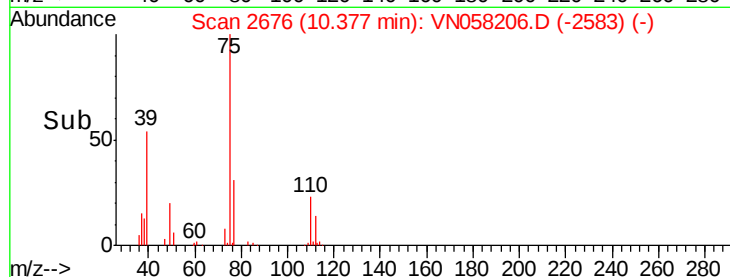
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.431 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

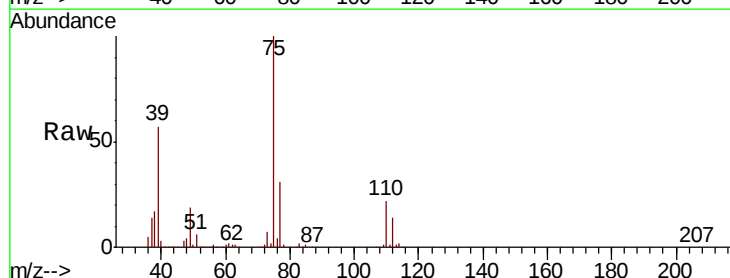
Tgt Ion: 75 Resp: 405244

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 57.0 45.0 67.6



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

300000

250000

200000

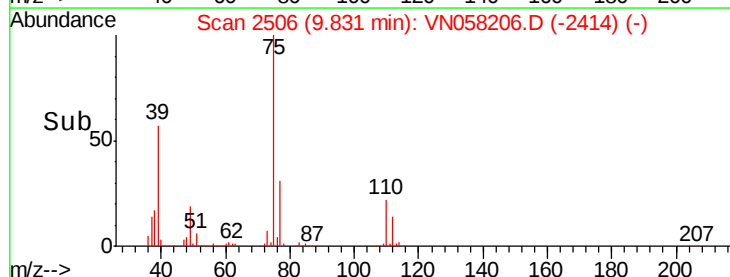
150000

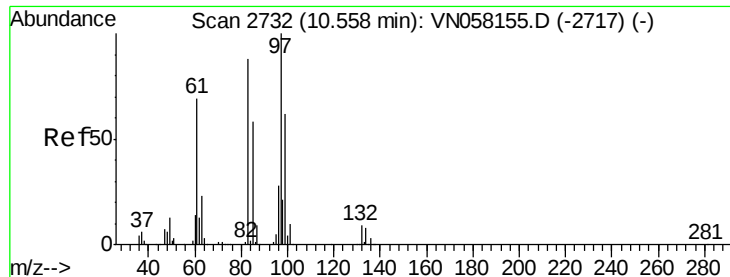
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.804 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

BFB

Tot Ion: 97 Resp: 258800

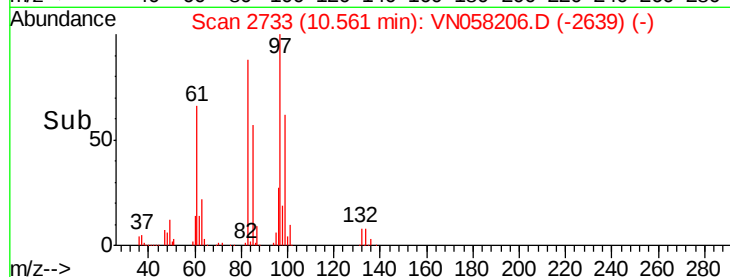
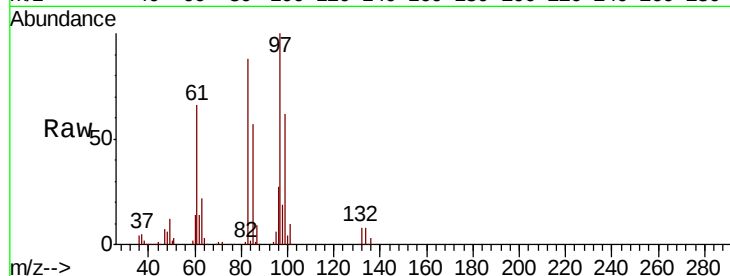
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.4	105.6
85	56.8	46.8	70.2
99	62.1	49.9	74.9

97 100

83 87.8 70.4 105.6

85 56.8 46.8 70.2

99 62.1 49.9 74.9



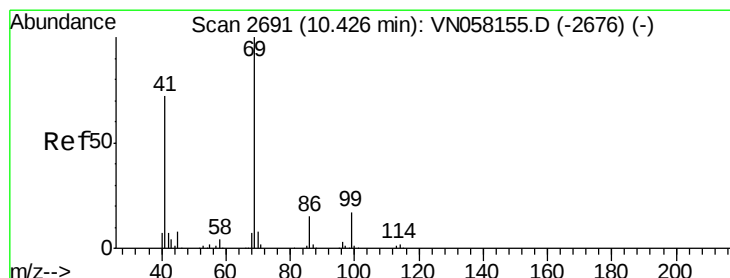
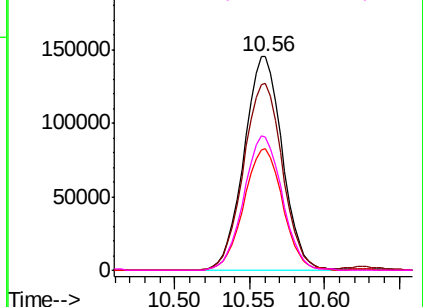
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 52.703 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

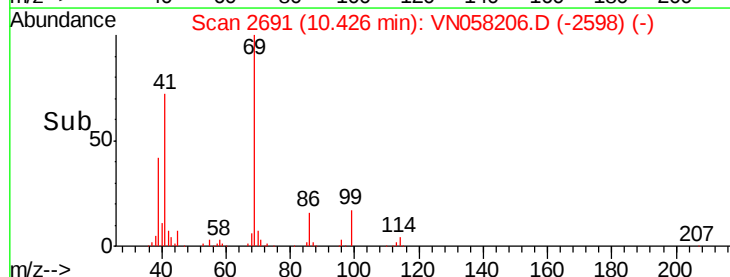
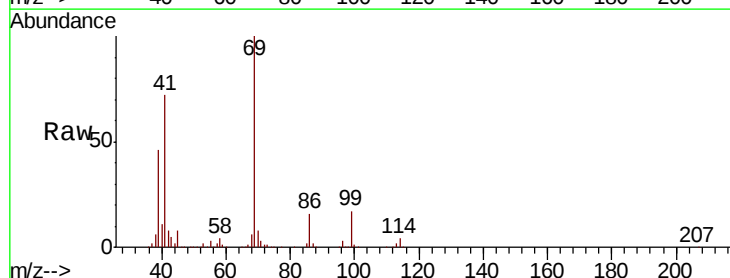
Tgt Ion: 69 Resp: 387361

Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.5	86.3
39	44.8	36.1	54.1

69 100

41 70.3 57.5 86.3

39 44.8 36.1 54.1

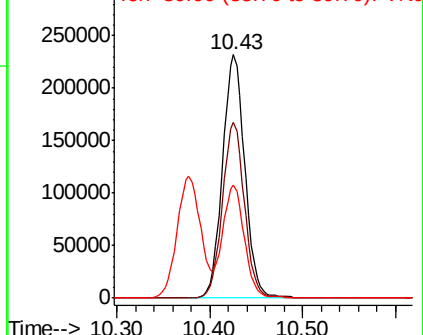


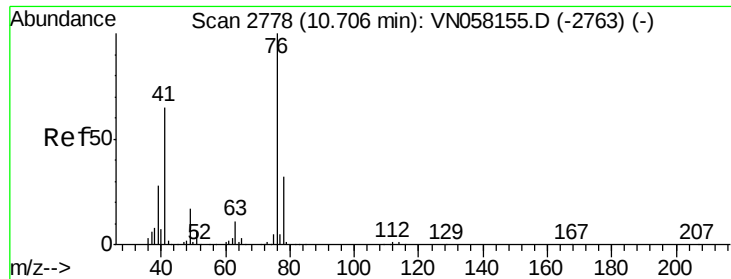
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

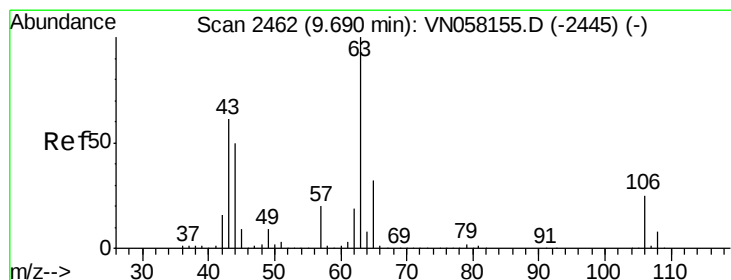
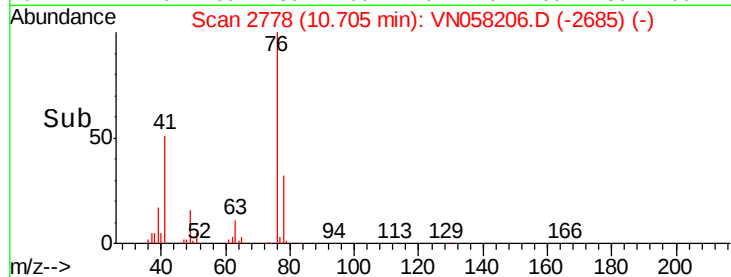
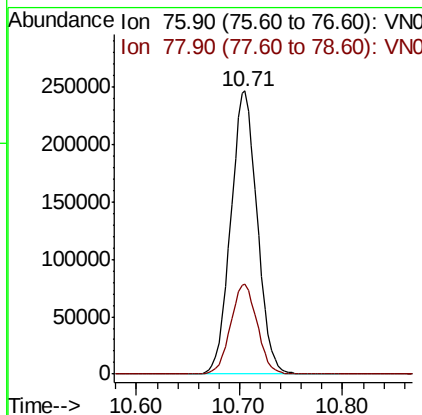
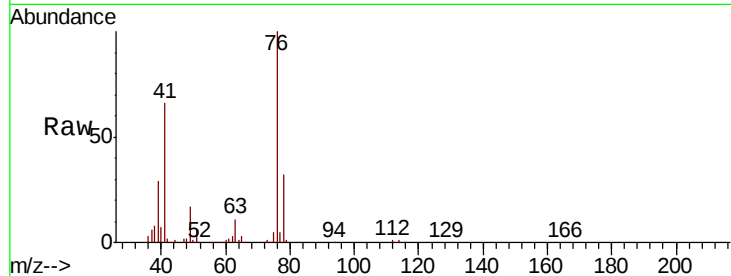




#57
 1,3-Dichloropropane
 Concen: 50.228 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

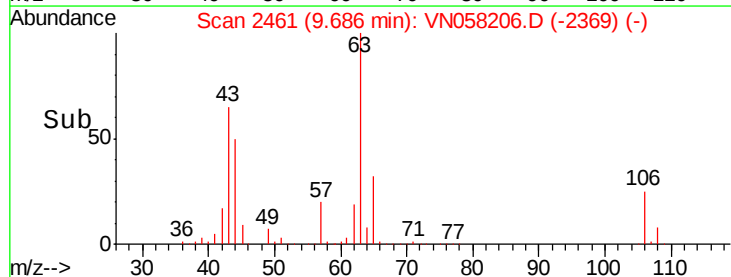
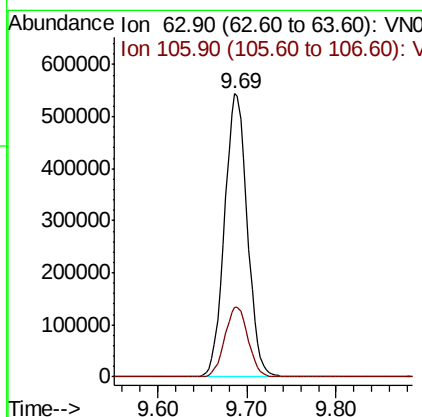
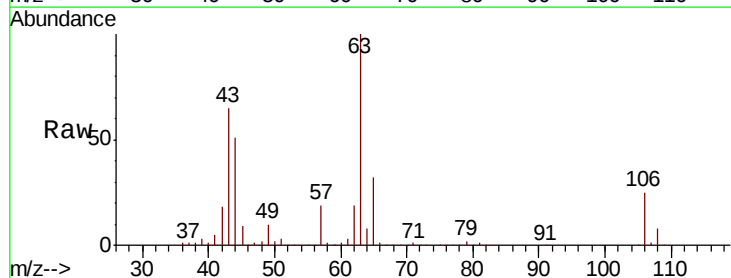
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

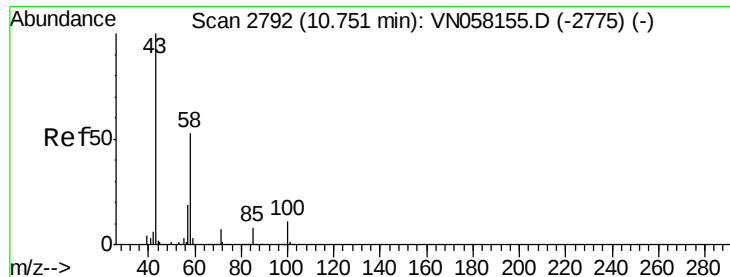
Tot Ion: 76 Resp: 439862
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.309 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 63 Resp: 960339
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.9 29.9

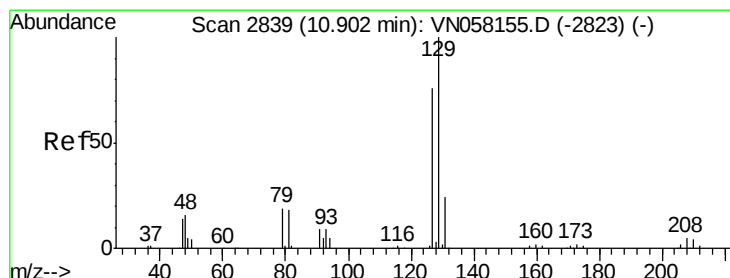
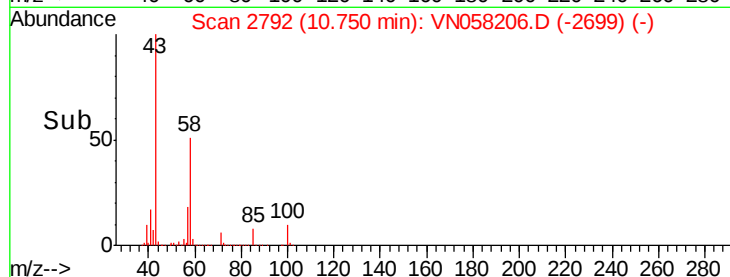
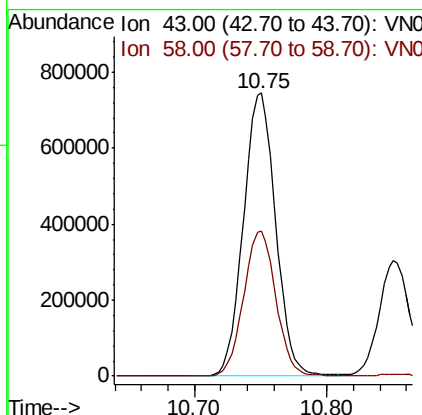
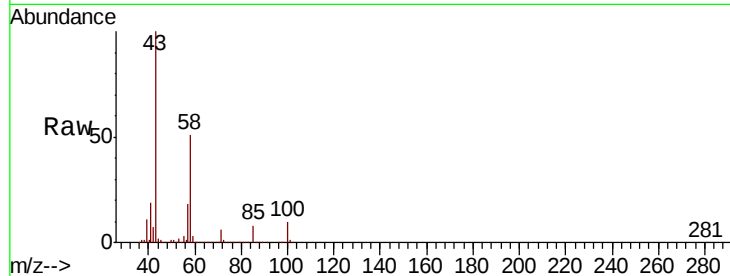




#59
2-Hexanone
Concen: 274.350 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

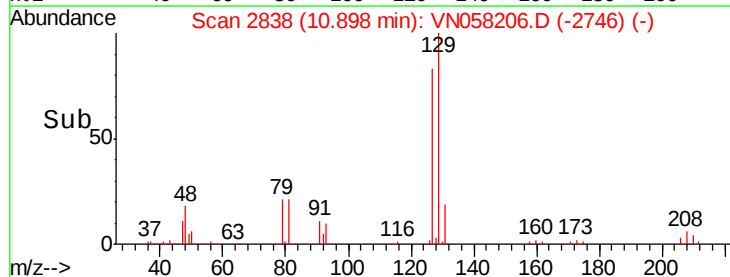
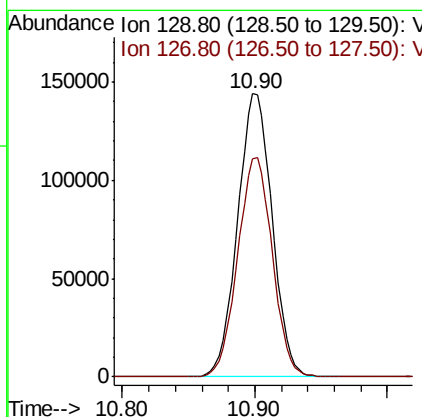
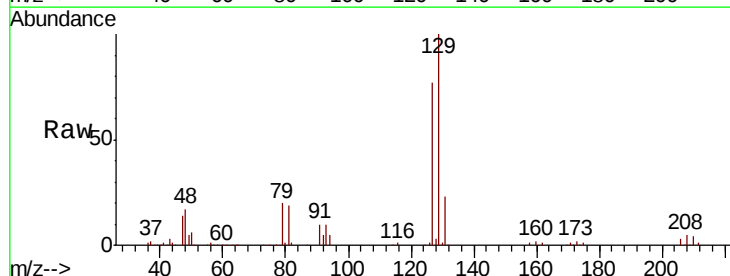
Instrument :
MSVOA_N
ClientSampled :
BFB

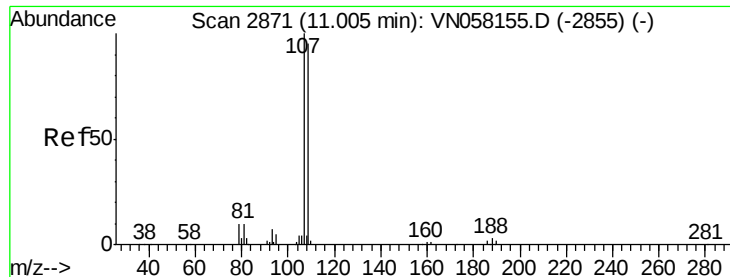
Tot Ion: 43 Resp: 1257889
Ion Ratio Lower Upper
43 100
58 51.6 26.0 78.0



#60
Dibromochloromethane
Concen: 53.309 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 129 Resp: 261255
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1

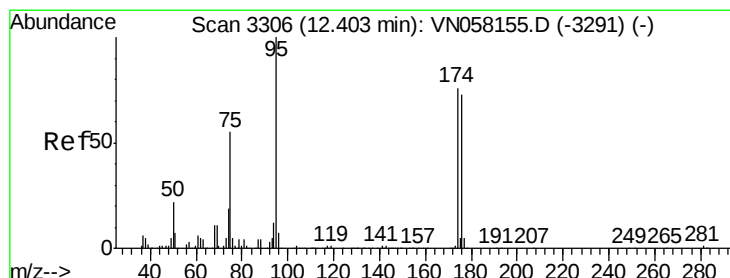
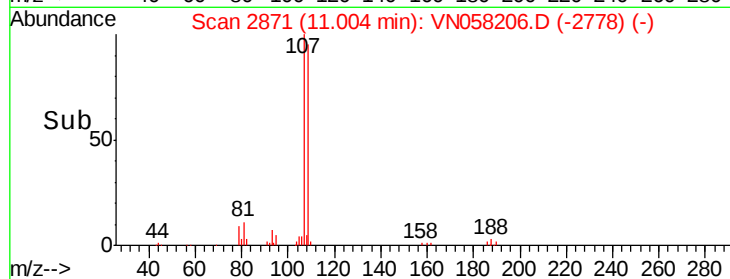
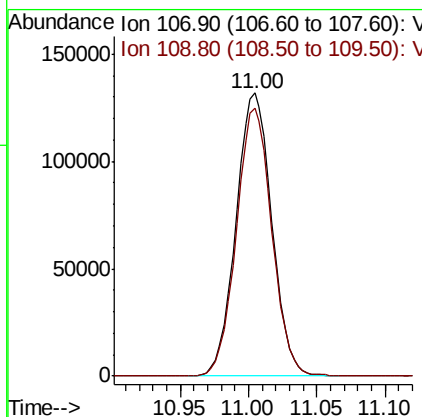
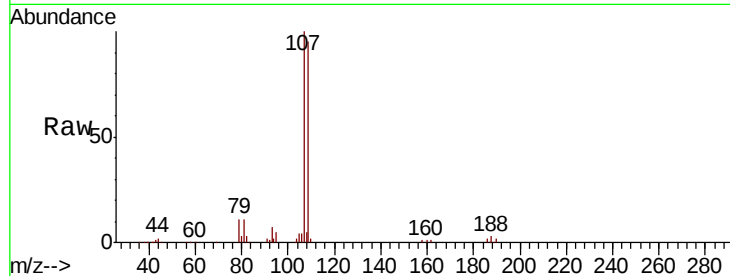




#61
 1,2-Dibromoethane
 Concen: 50.810 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

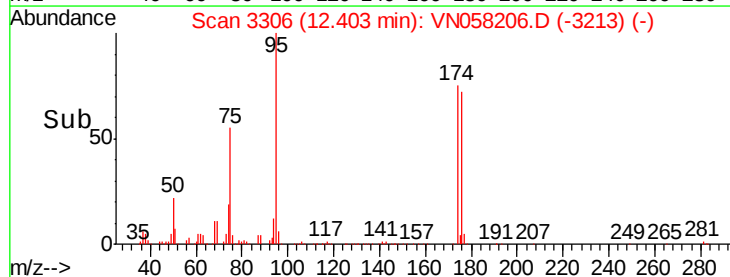
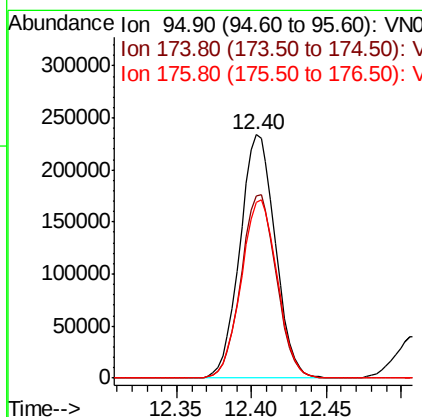
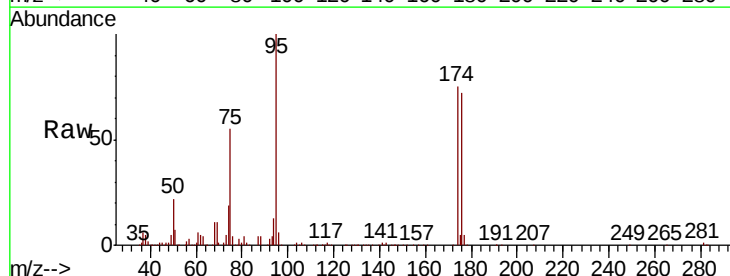
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

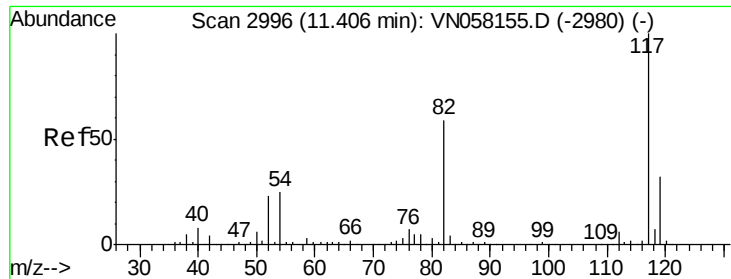
Tot Ion: 107 Resp: 239867
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.597 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 95 Resp: 384816
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 152.2
 176 74.4 0.0 148.0

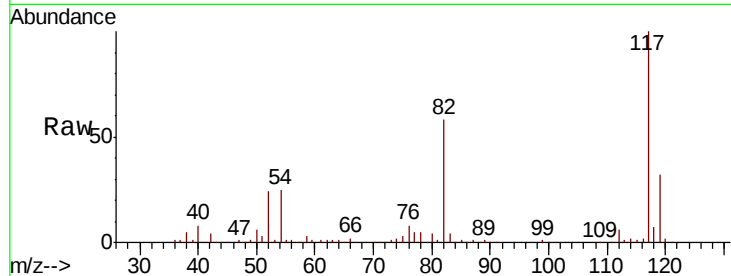




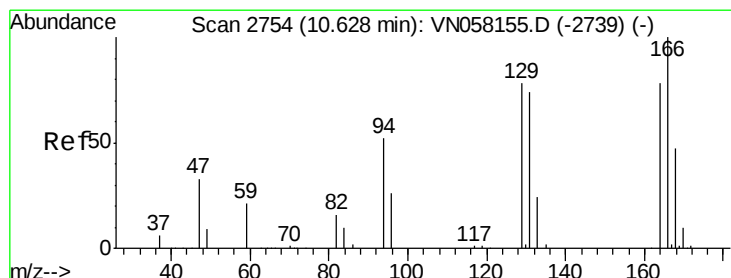
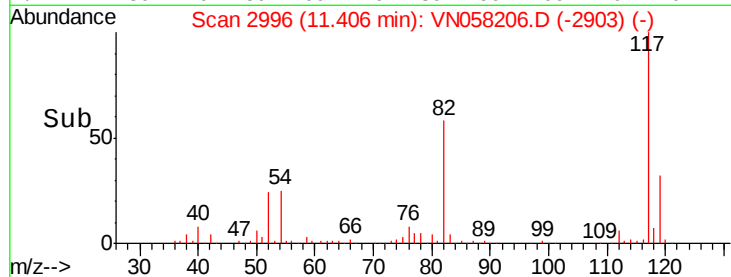
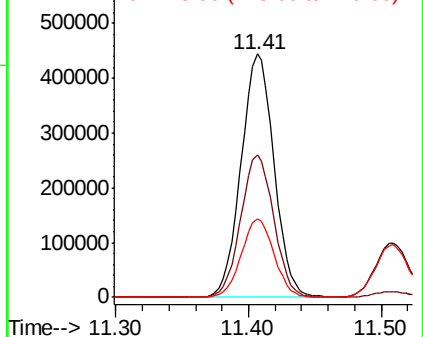
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion:117 Resp: 767452
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 32.3 25.3 37.9

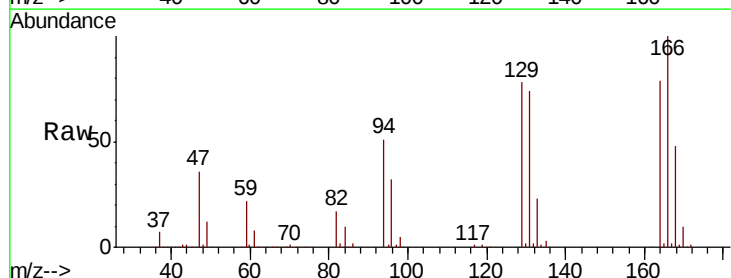


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

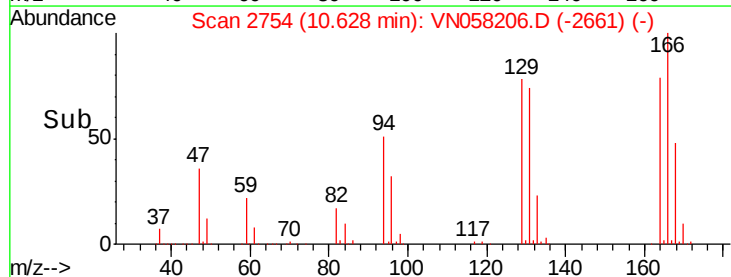
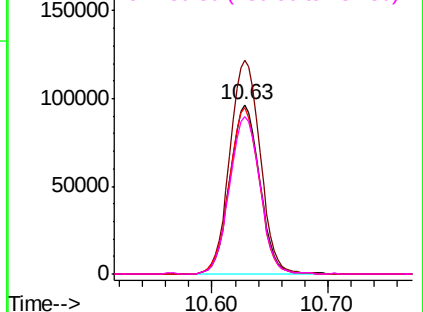


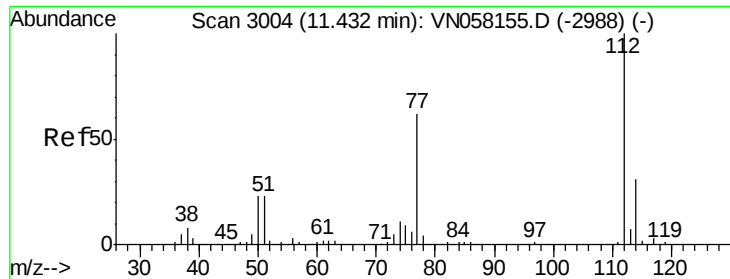
#64
Tetrachloroethene
Concen: 46.103 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:164 Resp: 172476
Ion Ratio Lower Upper
164 100
166 126.2 102.2 153.4
129 98.0 79.6 119.4
131 93.3 76.0 114.0



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

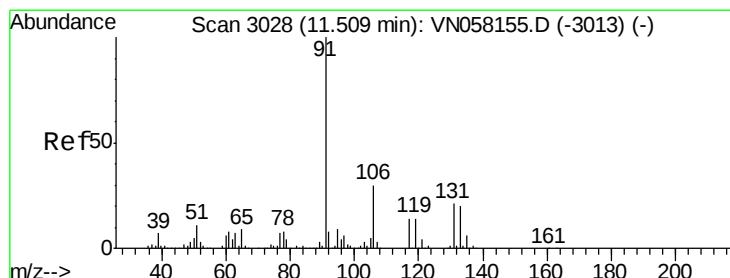
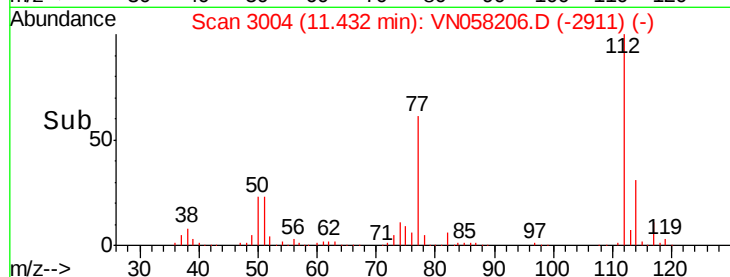
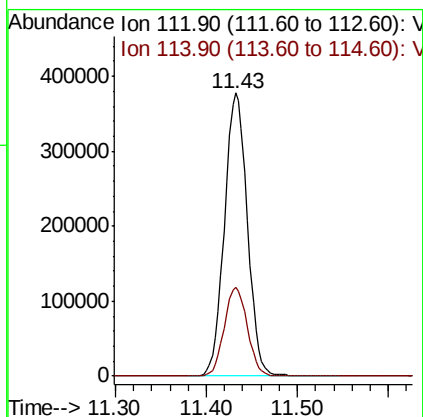
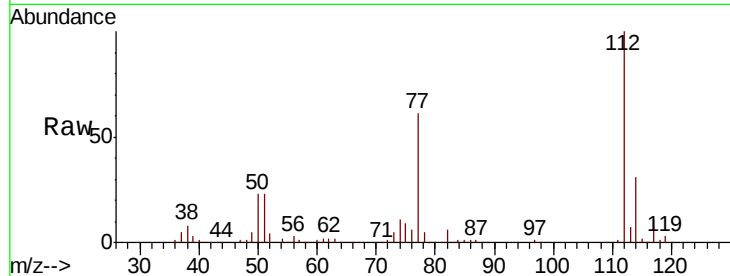




#65
Chlorobenzene
Concen: 48.892 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

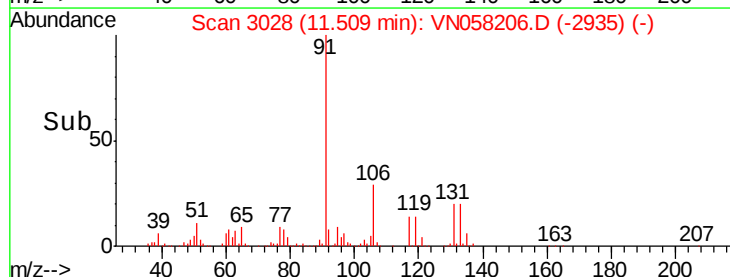
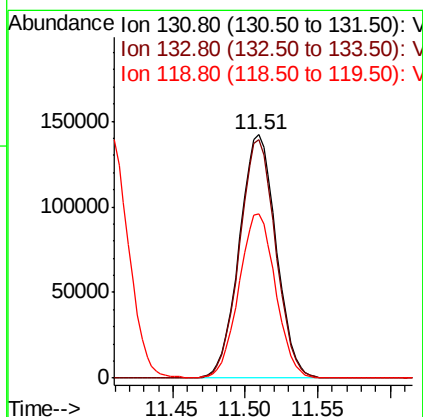
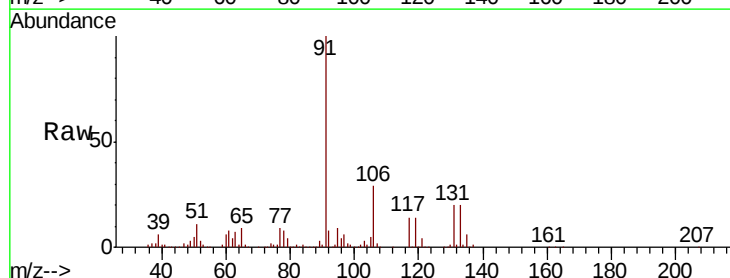
Instrument :
MSVOA_N
ClientSampled :
BFB

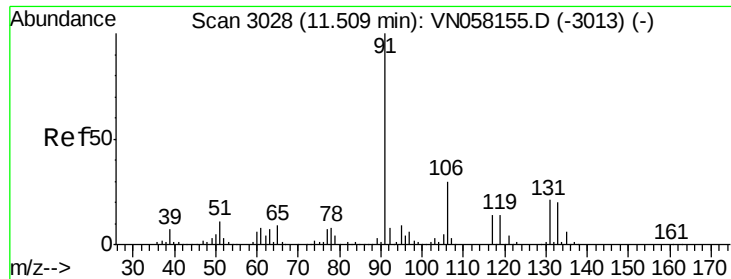
Tot Ion:112 Resp: 659995
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:131 Resp: 250840
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 67.5 33.1 99.3

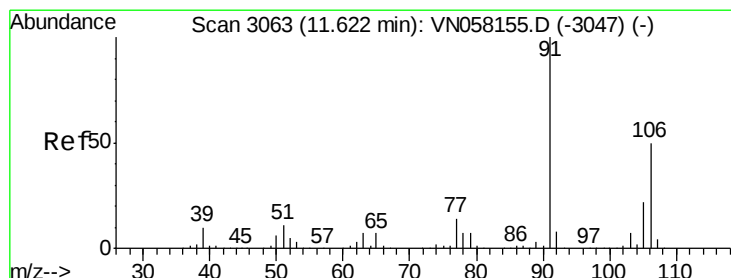
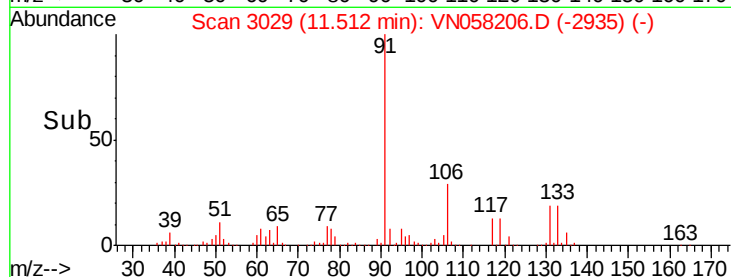
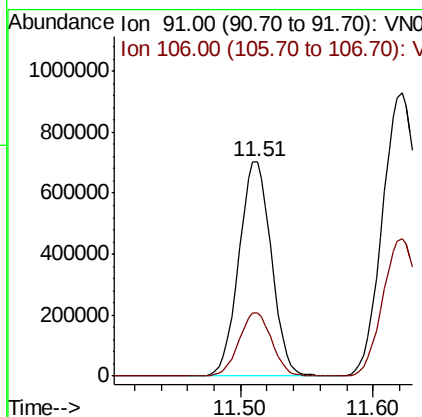
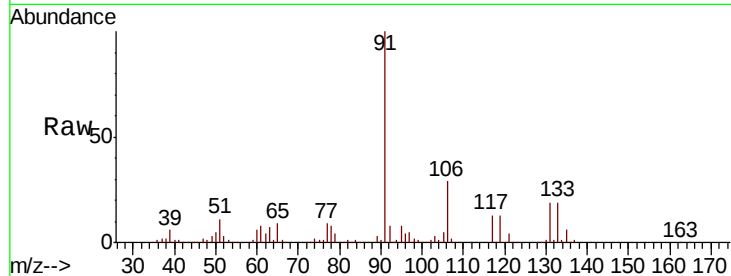




#67
Ethyl Benzene
Concen: 51.718 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

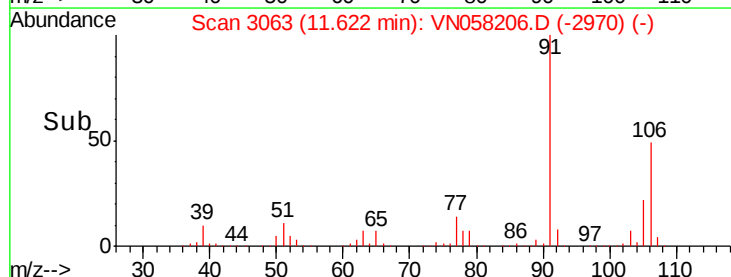
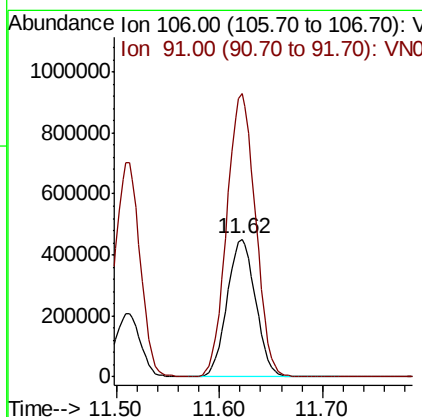
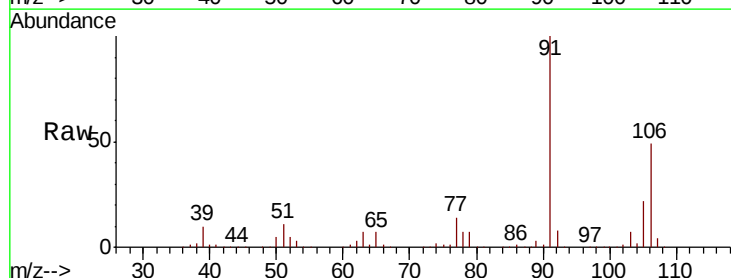
Instrument :
MSVOA_N
ClientSampled :
BFB

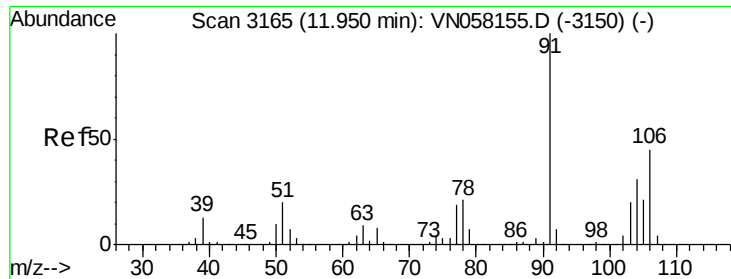
Tot Ion: 91 Resp: 1196250
Ion Ratio Lower Upper
91 100
106 29.3 24.0 36.0



#68
m/p-Xylenes
Concen: 99.574 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 106 Resp: 867444
Ion Ratio Lower Upper
106 100
91 208.0 163.6 245.4

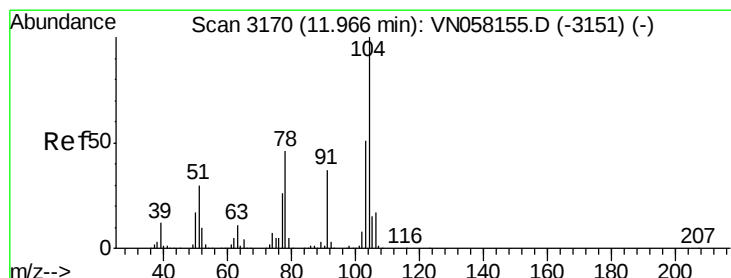
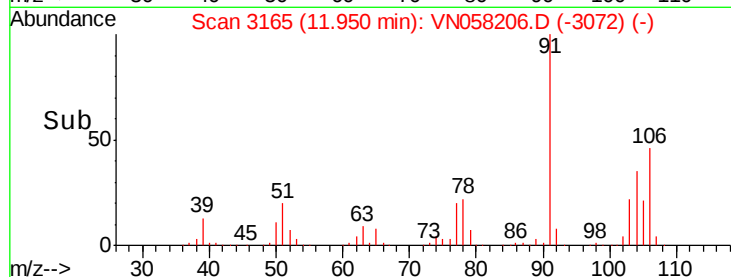
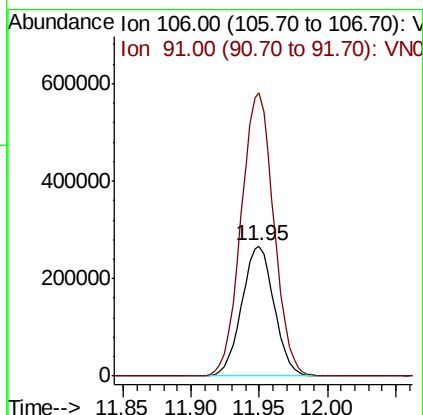
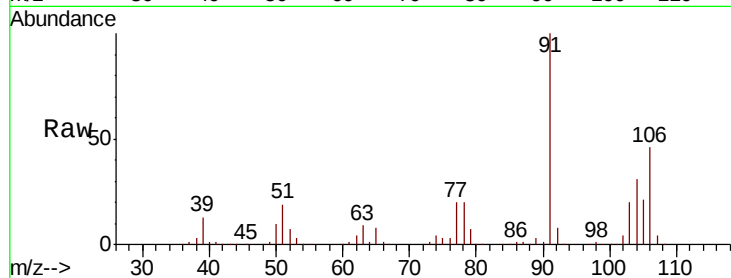




#69
o-Xylene
Concen: 51.437 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

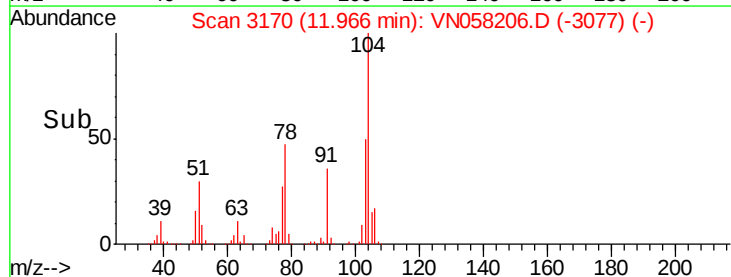
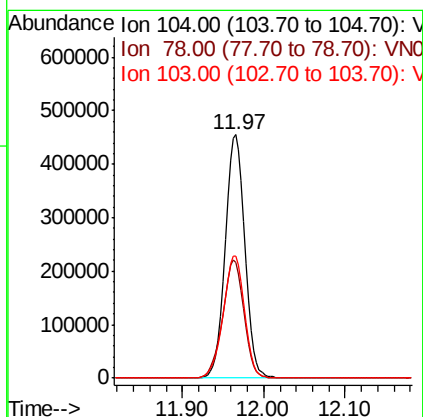
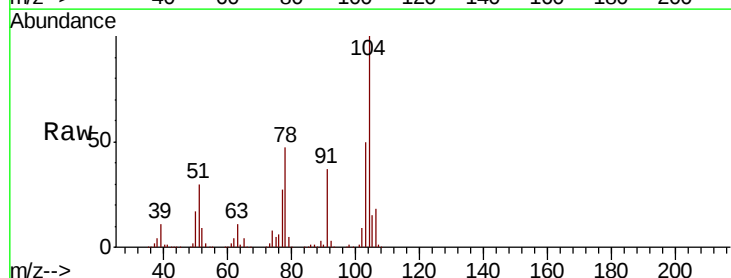
Instrument :
MSVOA_N
ClientSampled :
BFB

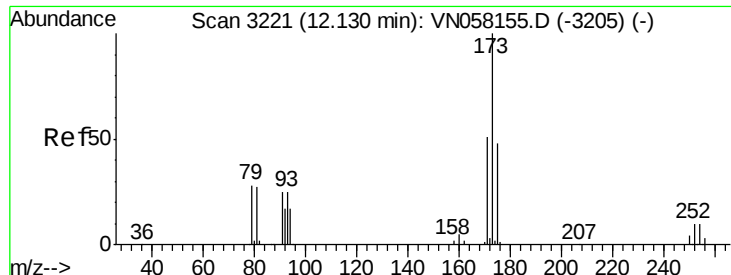
Tot Ion:106 Resp: 440610
Ion Ratio Lower Upper
106 100
91 219.8 111.8 335.3



#70
Styrene
Concen: 52.760 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:104 Resp: 778686
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 54.3 44.2 66.2





#71

Bromoform

Concen: 46.876 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

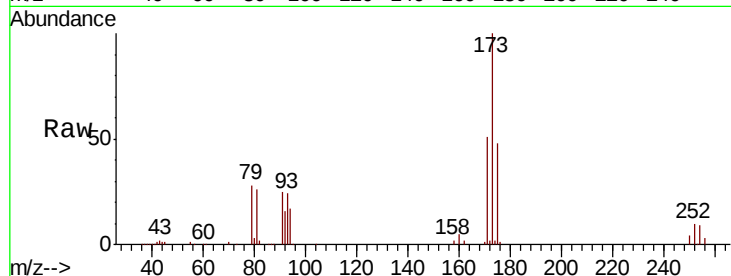
Tot Ion:173 Resp: 169231

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

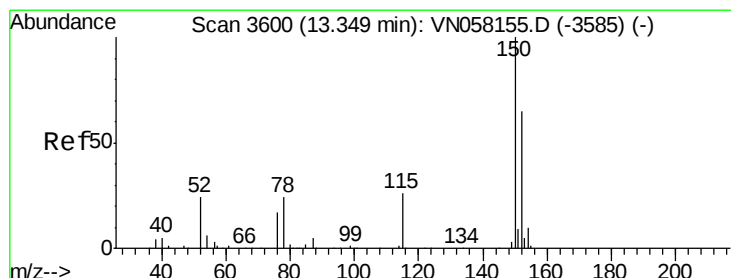
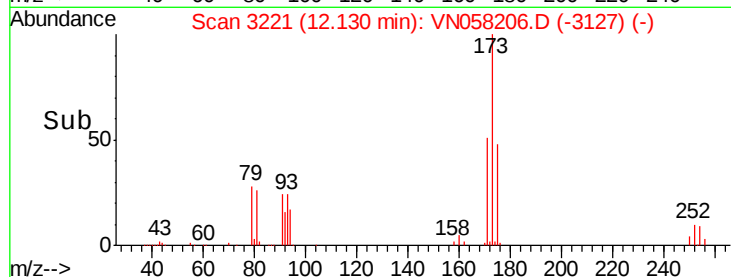
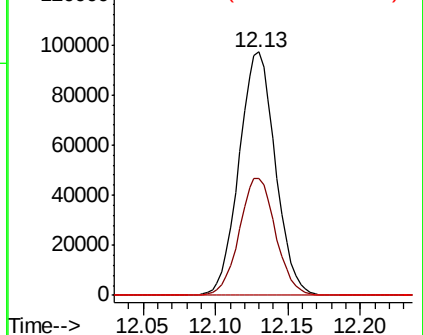
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

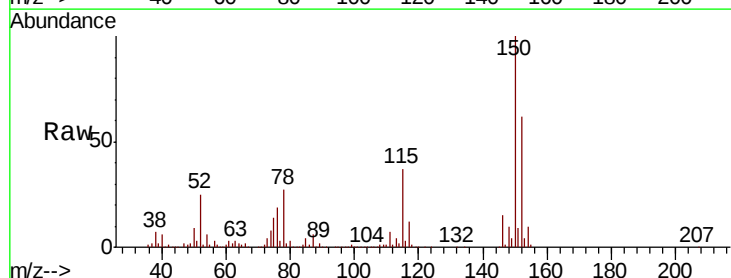
Tgt Ion:152 Resp: 379806

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.3

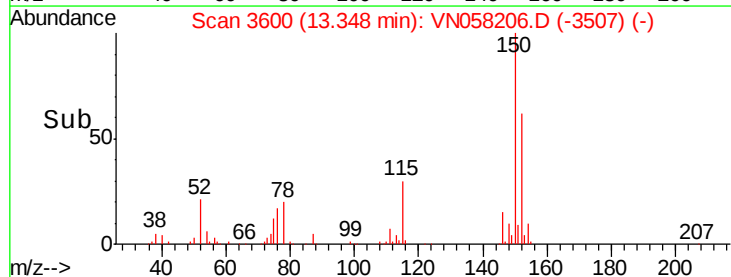
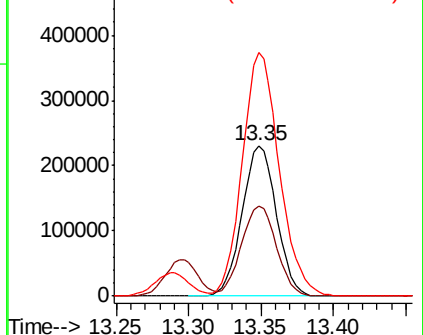
150 174.7 0.0 346.4

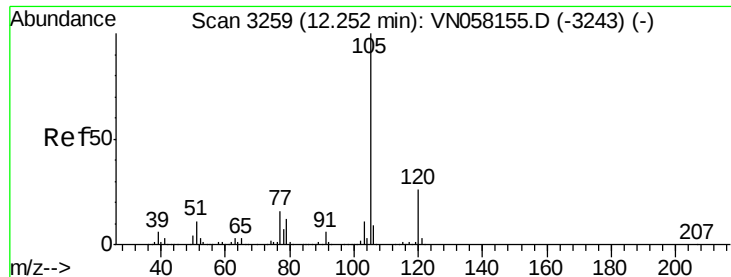


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.362 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

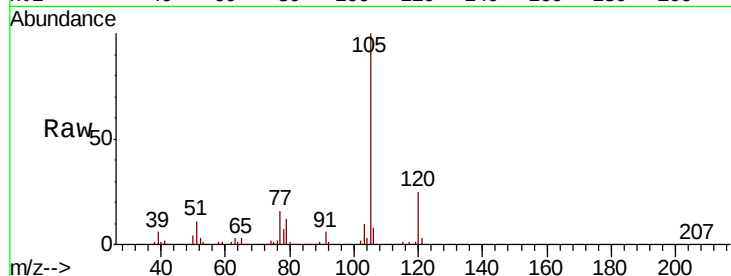
BFB

Tot Ion:105 Resp: 1244822

Ion Ratio Lower Upper

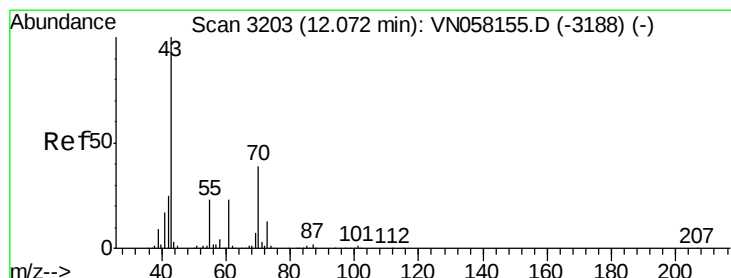
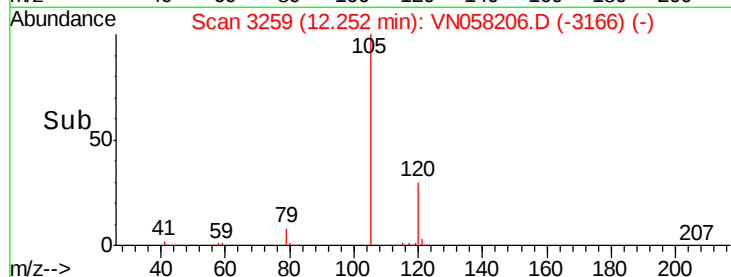
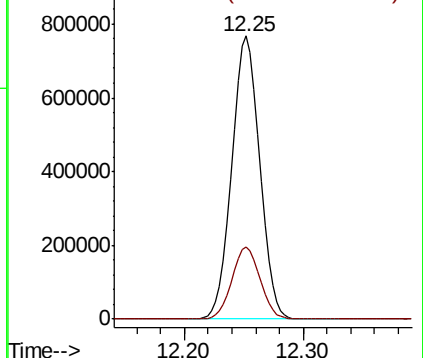
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.211 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion: 43 Resp: 529204

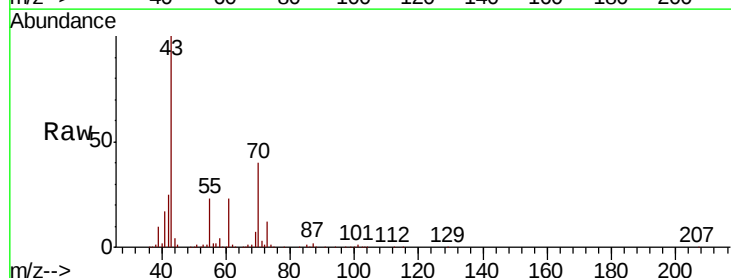
Ion Ratio Lower Upper

43 100

70 39.1 31.0 46.6

55 23.6 18.5 27.7

61 22.7 18.2 27.2

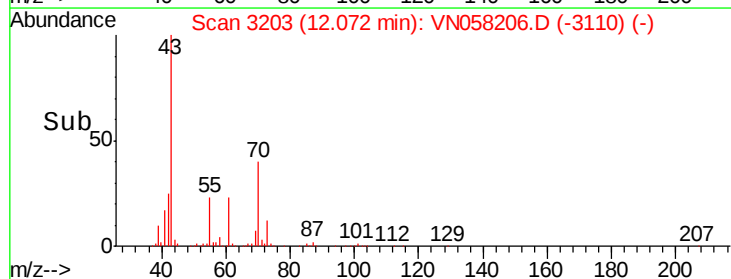
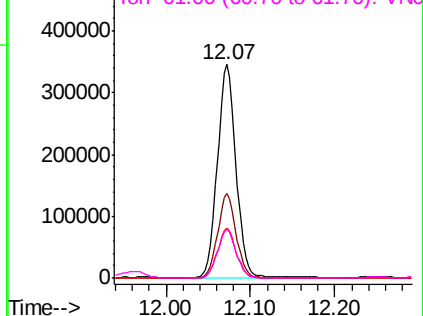


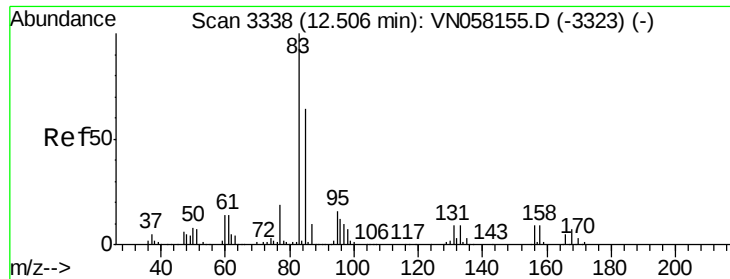
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.724 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

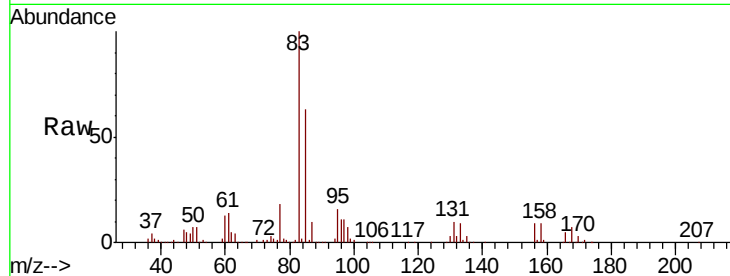
Tot Ion: 83 Resp: 403821

Ion Ratio Lower Upper

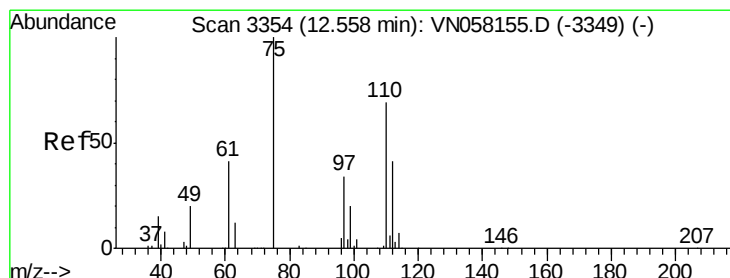
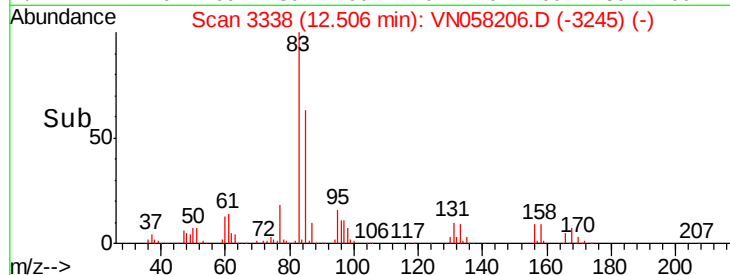
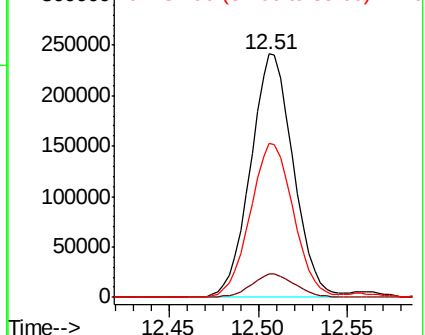
83 100

131 9.9 4.8 14.3

85 64.0 31.9 95.5



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: 71.958 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058206.D

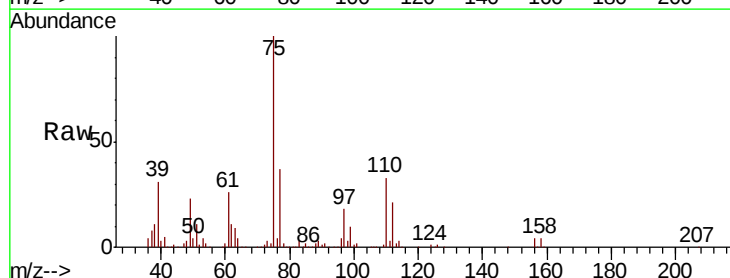
Acq: 19 Sep 2019 15:49

Tgt Ion: 75 Resp: 489120

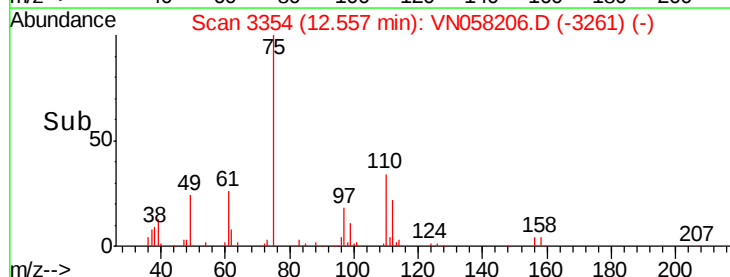
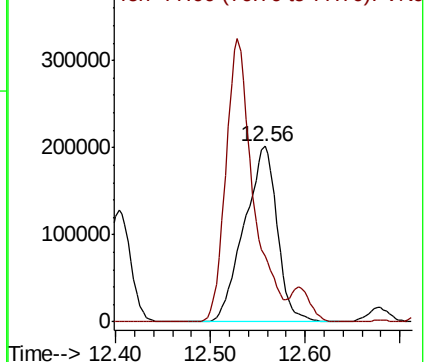
Ion Ratio Lower Upper

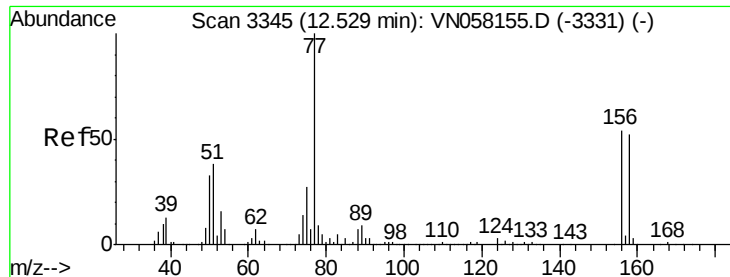
75 100

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: 48.630 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

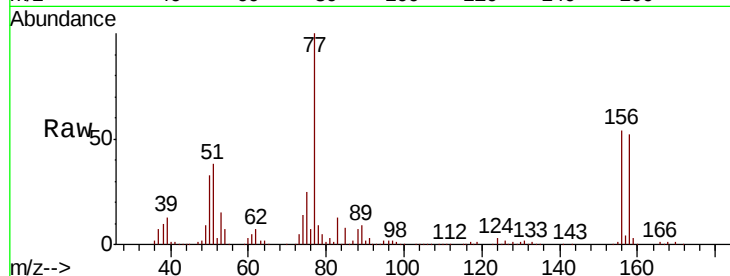
Tot Ion:156 Resp: 290808

Ion Ratio Lower Upper

156 100

77 226.1 111.7 335.1

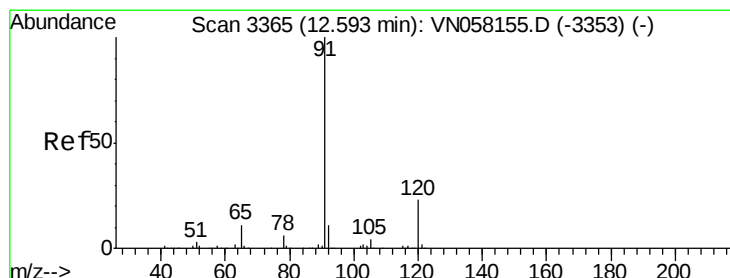
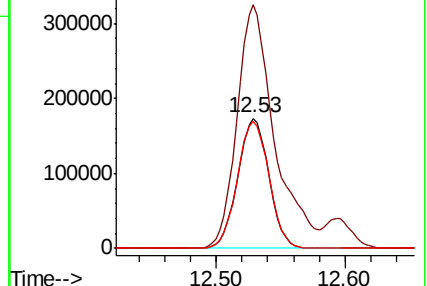
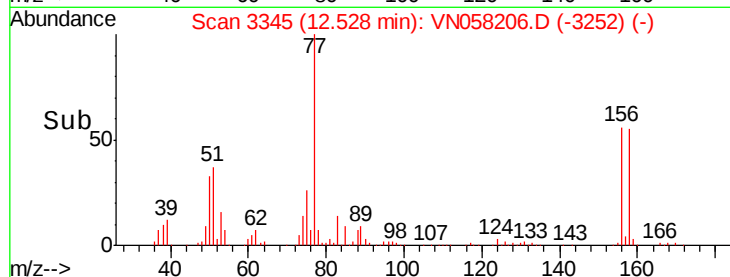
158 99.2 47.9 143.8



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: 54.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058206.D

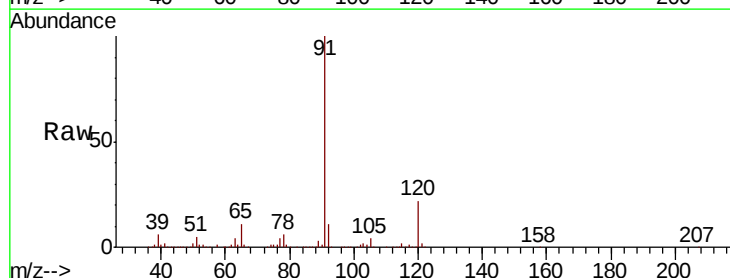
Acq: 19 Sep 2019 15:49

Tgt Ion: 91 Resp: 1460988

Ion Ratio Lower Upper

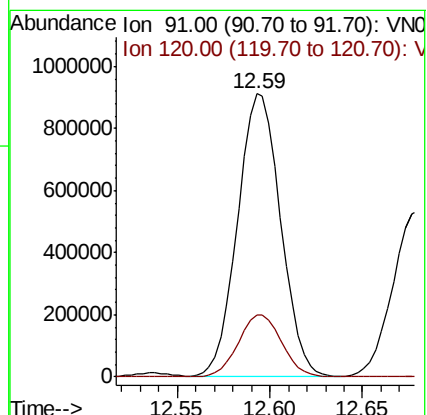
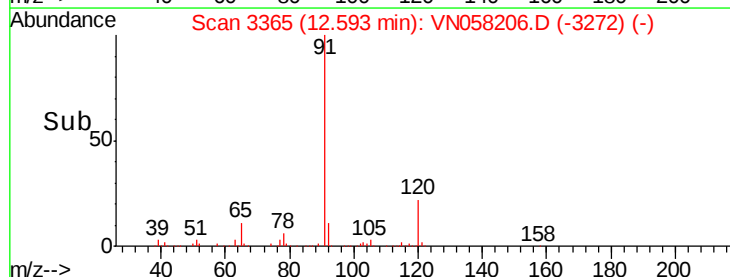
91 100

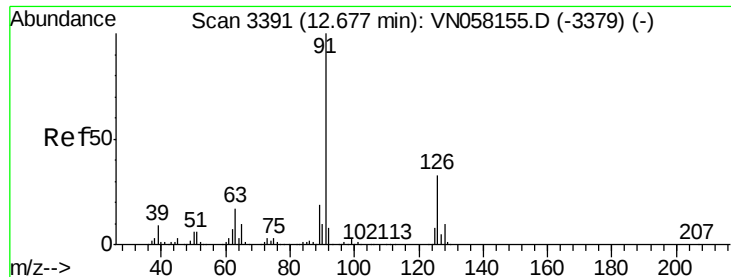
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.588 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

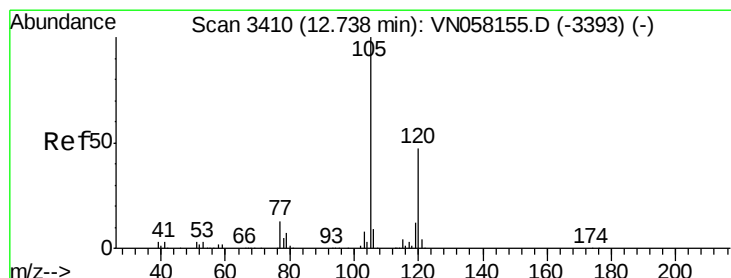
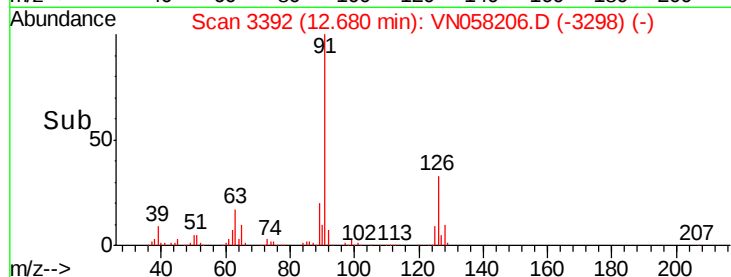
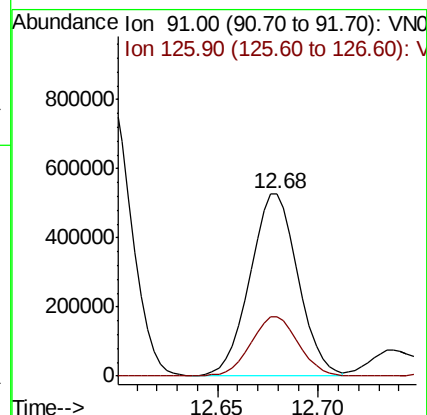
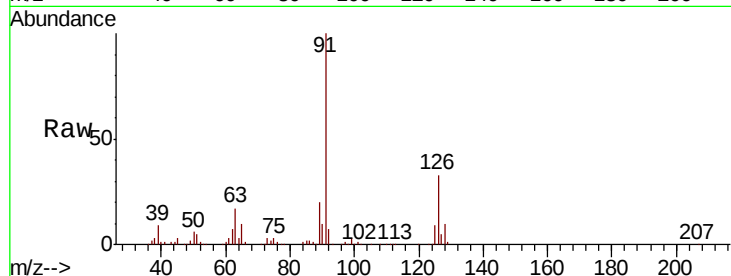
BFB

Tot Ion: 91 Resp: 870992

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 52.946 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058206.D

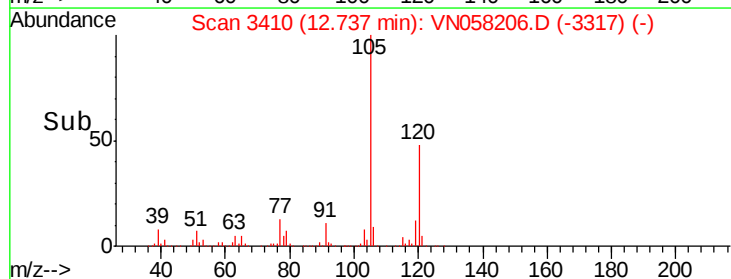
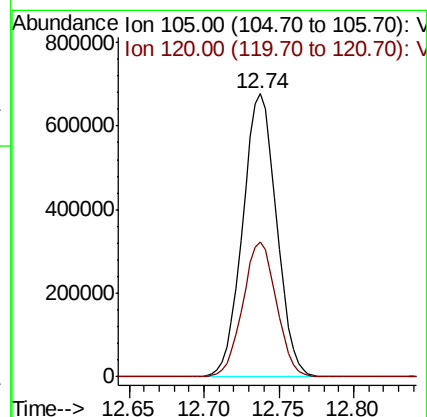
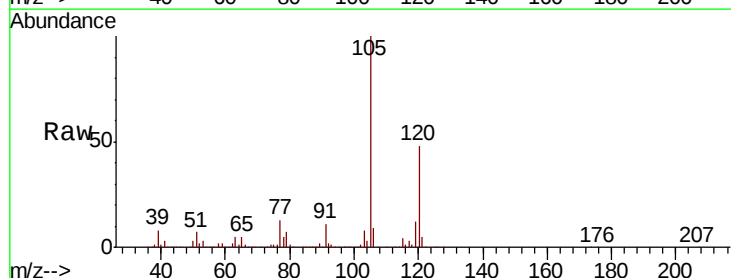
Acq: 19 Sep 2019 15:49

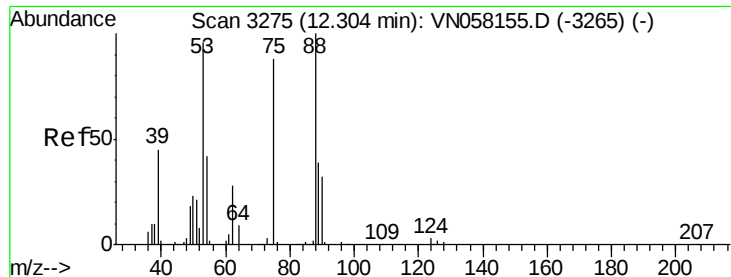
Tgt Ion:105 Resp: 1064380

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.098 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

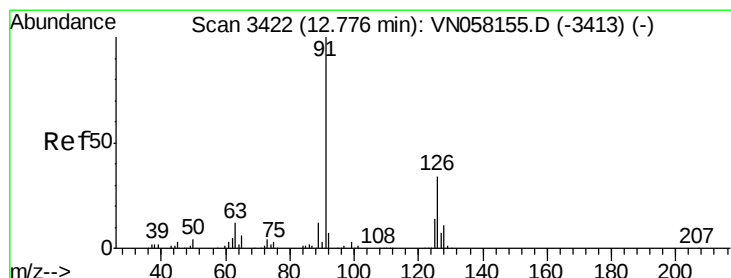
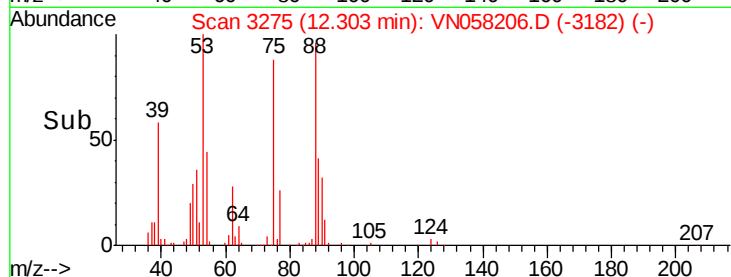
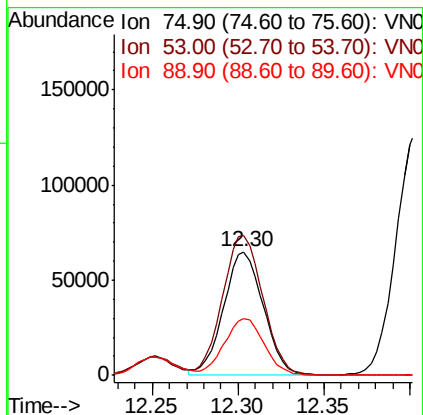
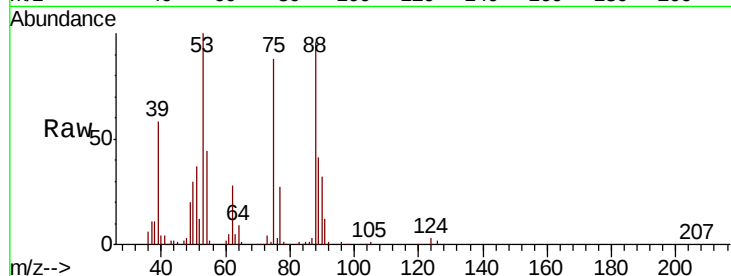
Tot Ion: 75 Resp: 104117

Ion Ratio Lower Upper

75 100

53 116.3 90.1 135.1

89 46.9 36.2 54.2



#82

4-Chlorotoluene

Concen: 51.766 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058206.D

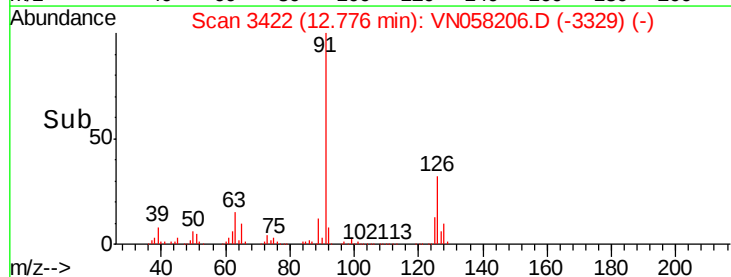
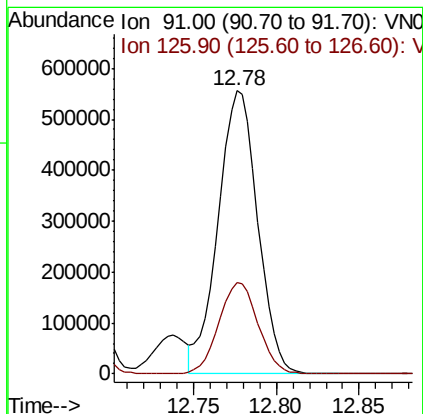
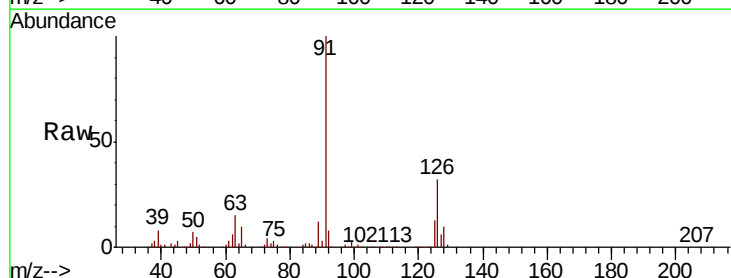
Acq: 19 Sep 2019 15:49

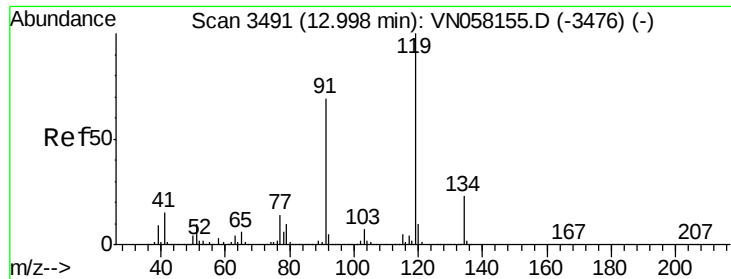
Tgt Ion: 91 Resp: 918714

Ion Ratio Lower Upper

91 100

126 32.1 15.7 47.1

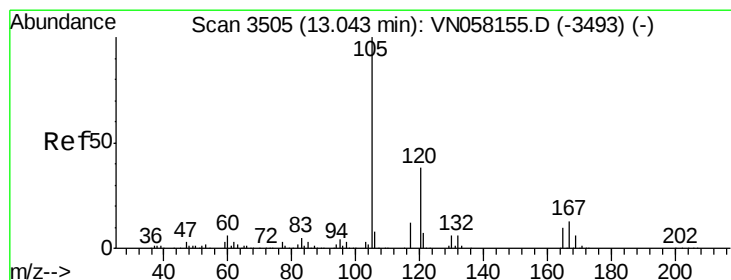
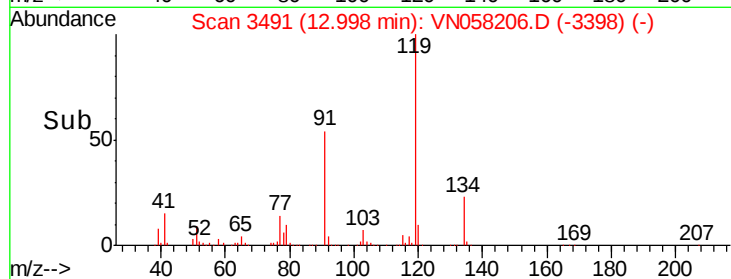
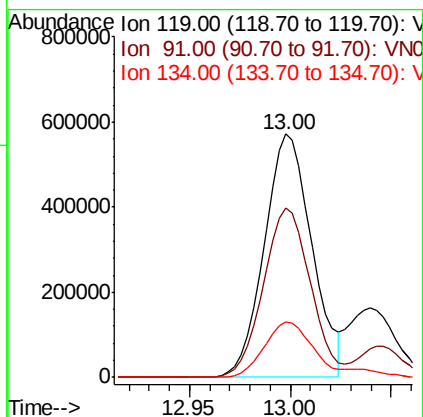
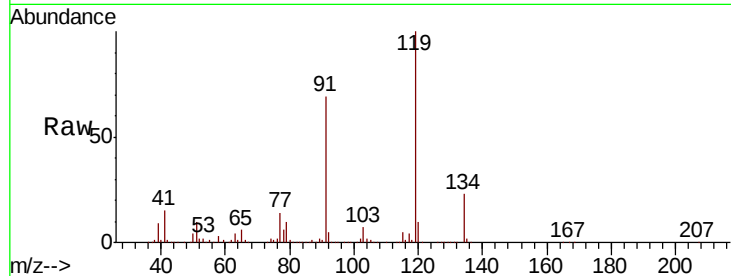




#83
tert-Butylbenzene
Concen: 52.212 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

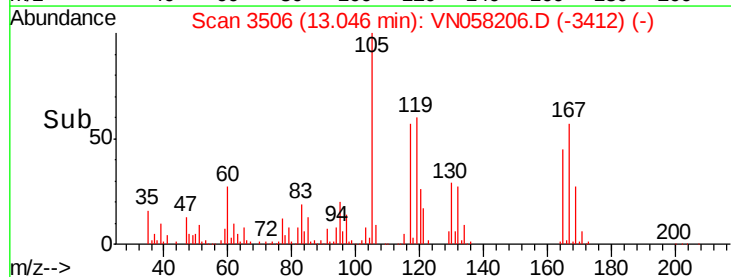
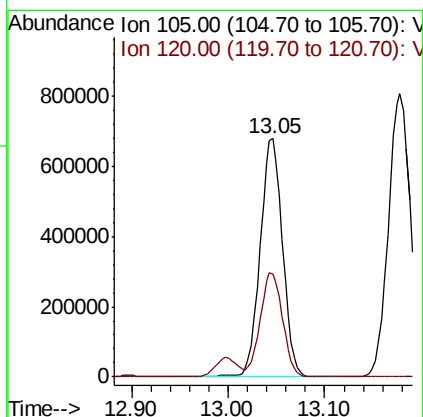
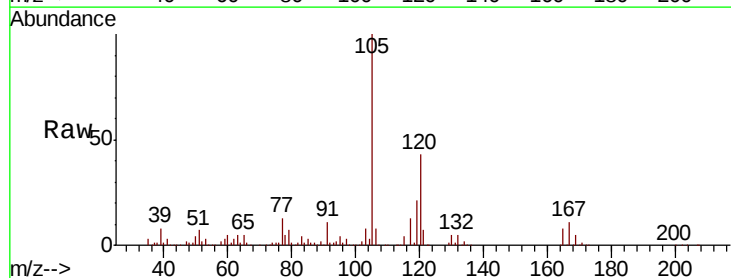
Instrument :
MSVOA_N
ClientSampleId :
BFB

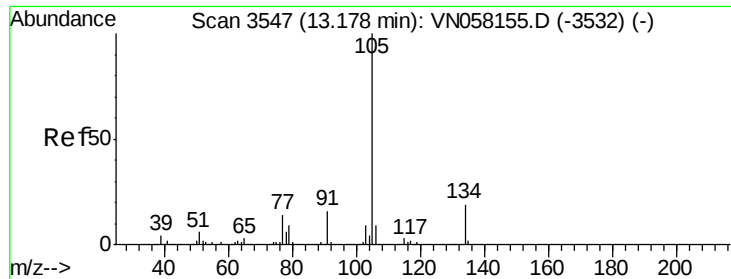
Tot Ion:119 Resp: 936040
Ion Ratio Lower Upper
119 100
91 68.8 33.8 101.3
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 54.530 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:105 Resp: 1090929
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 54.383 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

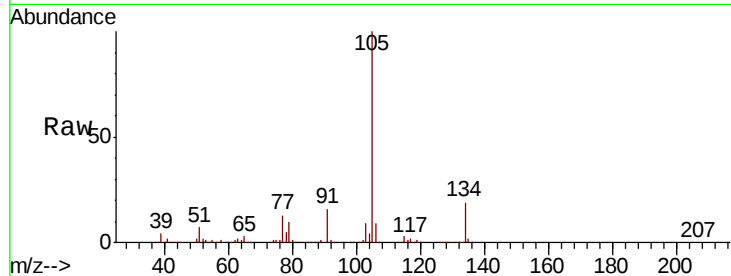
BFB

Tot Ion:105 Resp: 1274924

Ion Ratio Lower Upper

105 100

134 19.1 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

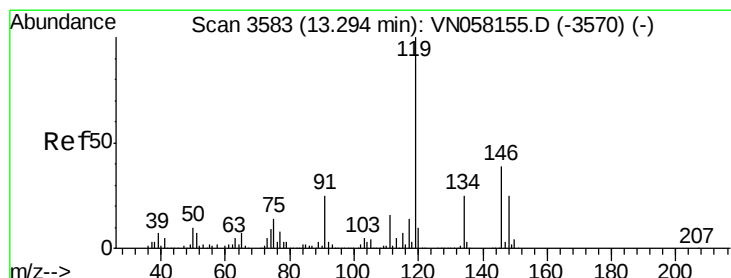
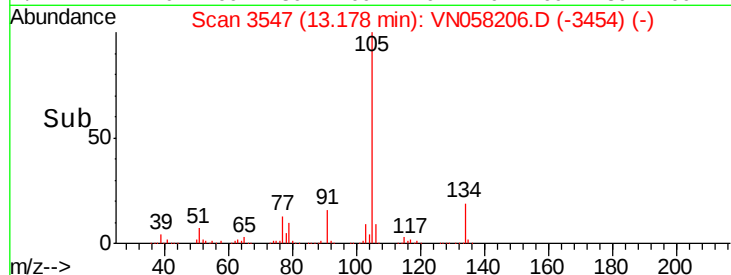
200000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 55.017 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

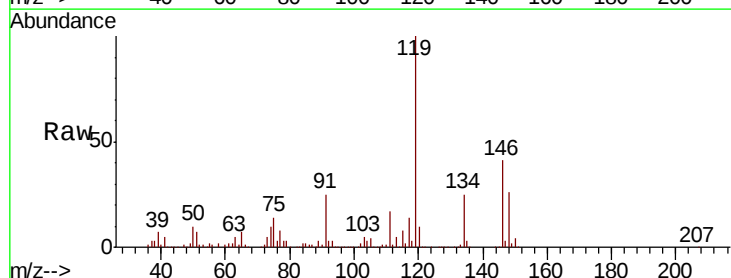
Tgt Ion:119 Resp: 1146635

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 24.5 12.3 36.8



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

1000000

800000

600000

400000

200000

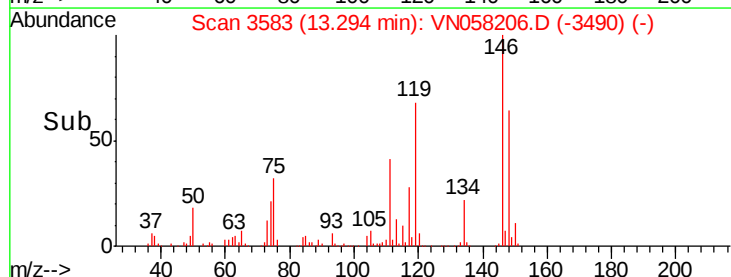
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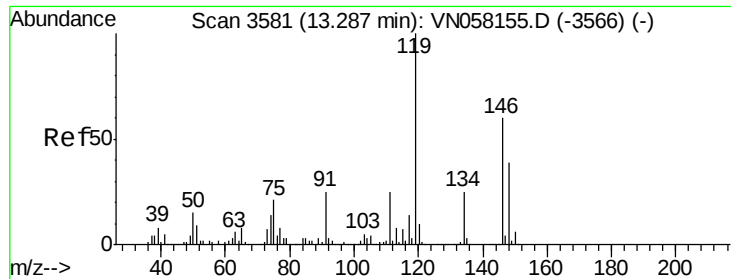
13.25

13.30

13.35

Time-->

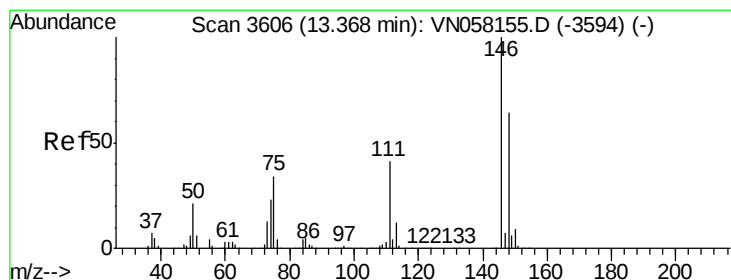
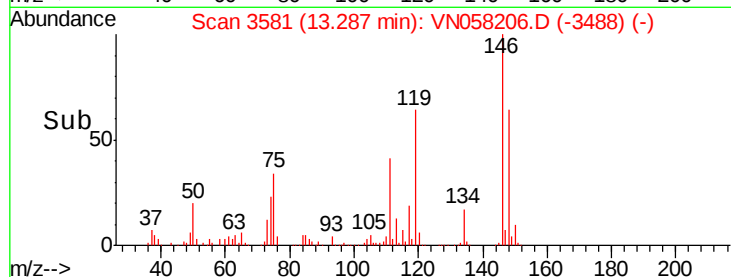
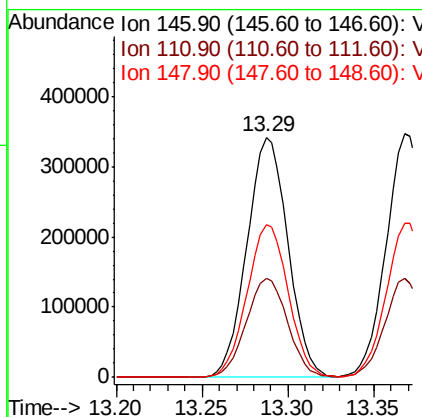
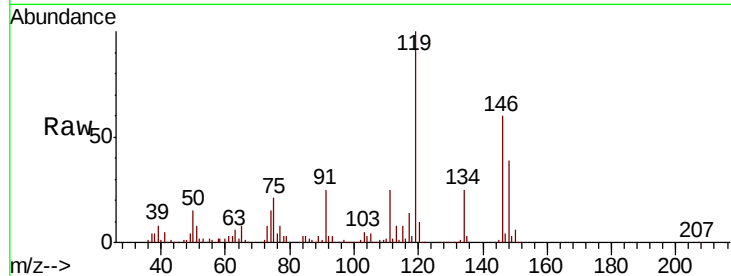




#87
 1,3-Dichlorobenzene
 Concen: 51.738 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

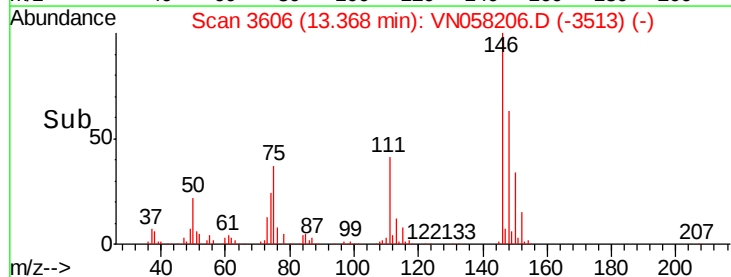
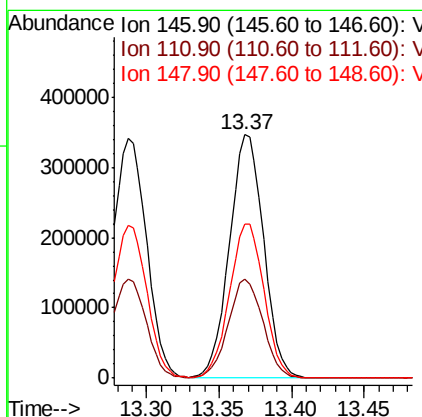
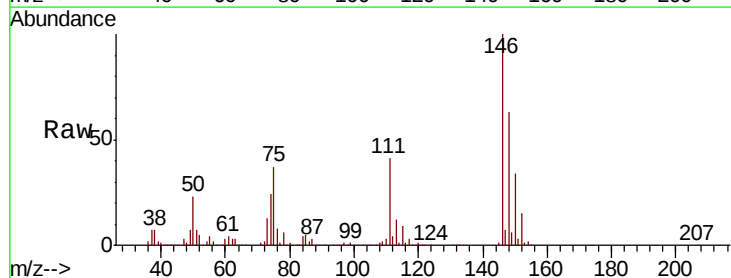
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

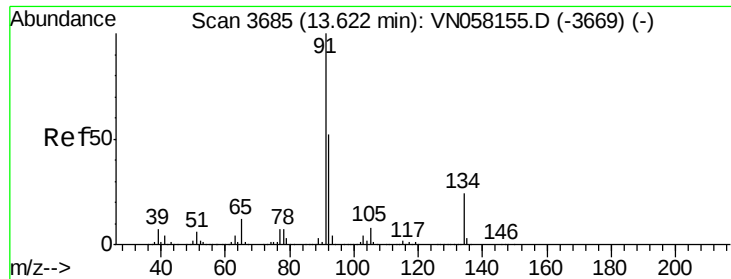
Tot Ion:146 Resp: 565110
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.8
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.727 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion:146 Resp: 565648
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.5
 148 64.2 31.9 95.5





#89

n-Butylbenzene

Concen: 53.783 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

BFB

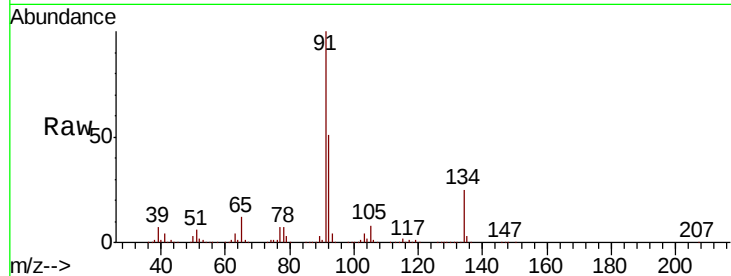
Tot Ion: 91 Resp: 1062722

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.0

134 24.5 11.8 35.4

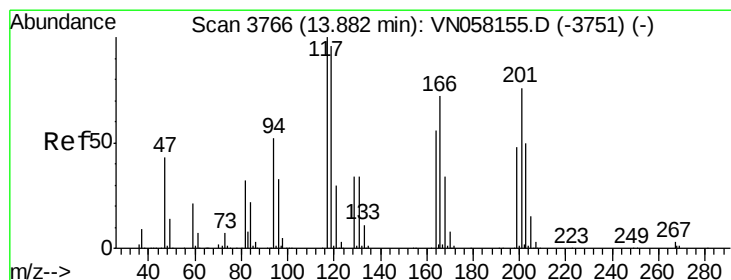
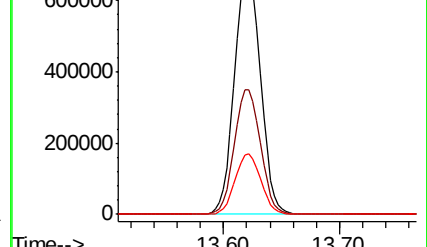
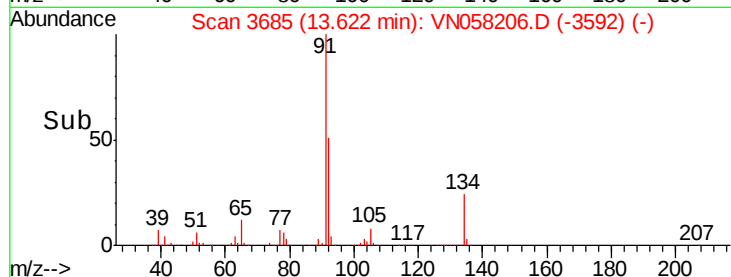


Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 48.255 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058206.D

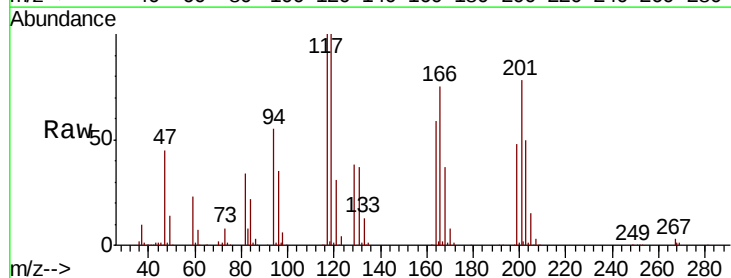
Acq: 19 Sep 2019 15:49

Tgt Ion: 117 Resp: 175975

Ion Ratio Lower Upper

117 100

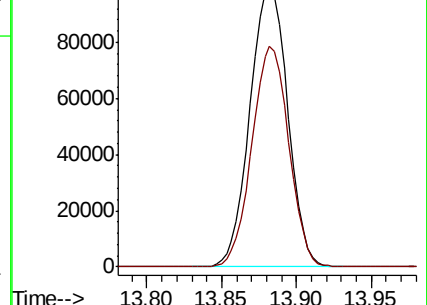
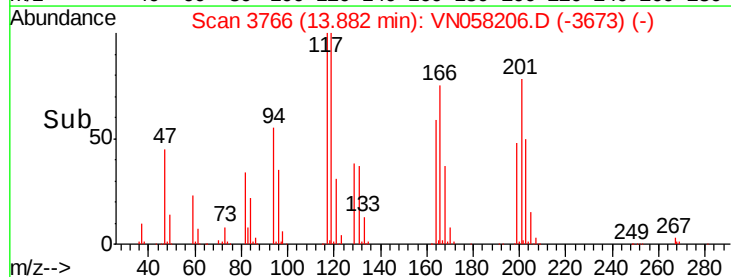
201 76.7 37.5 112.5

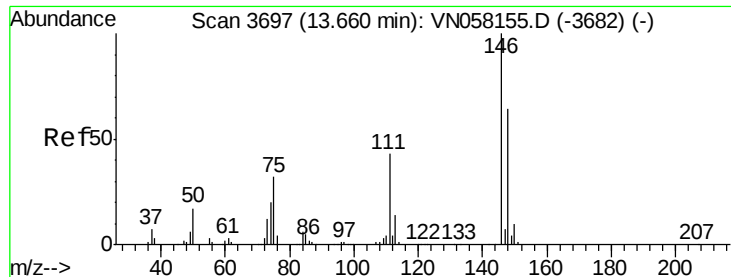


Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 51.245 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

BFB

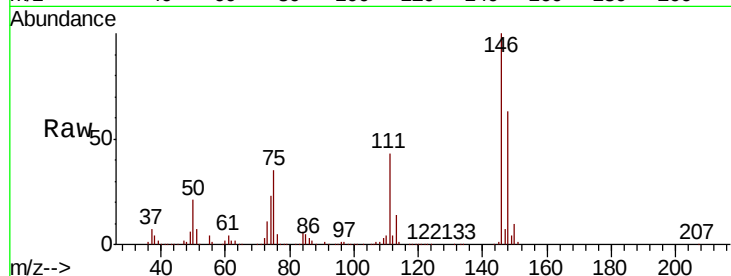
Tot Ion:146 Resp: 561456

Ion Ratio Lower Upper

146 100

111 43.5 21.1 63.1

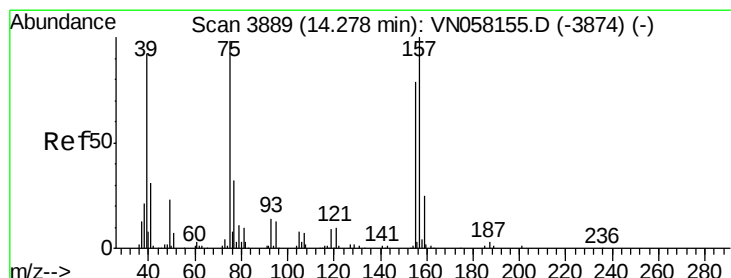
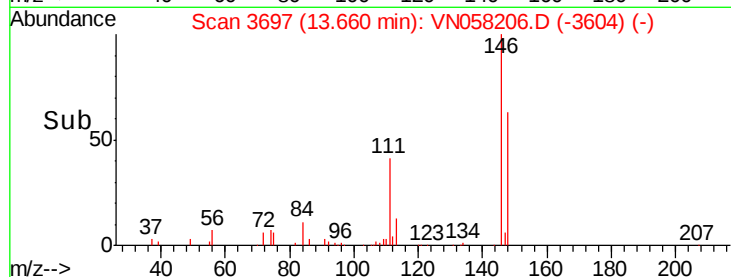
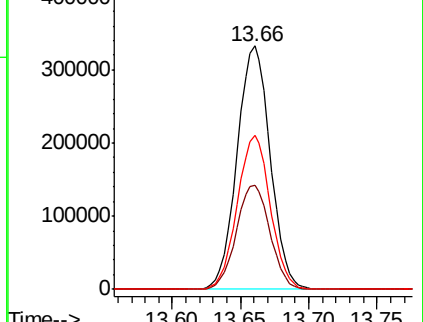
148 62.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.304 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

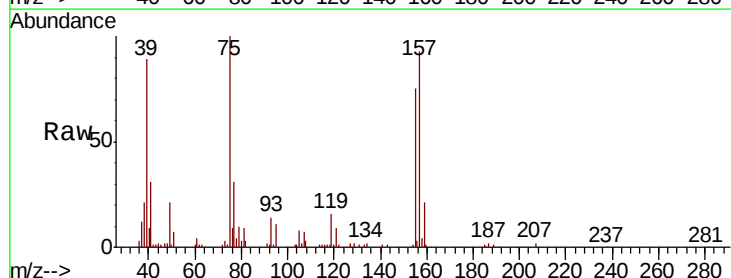
Tgt Ion: 75 Resp: 74965

Ion Ratio Lower Upper

75 100

155 73.8 38.3 114.8

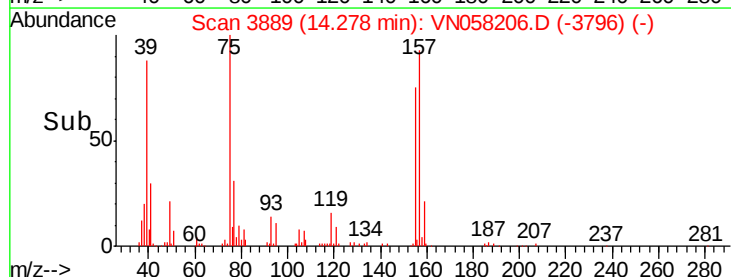
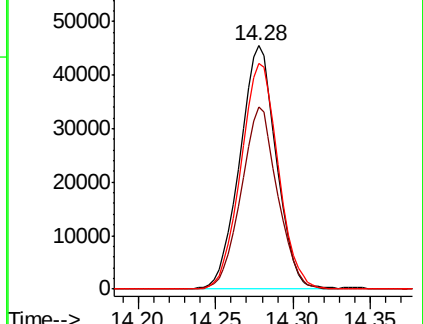
157 94.6 48.0 144.0

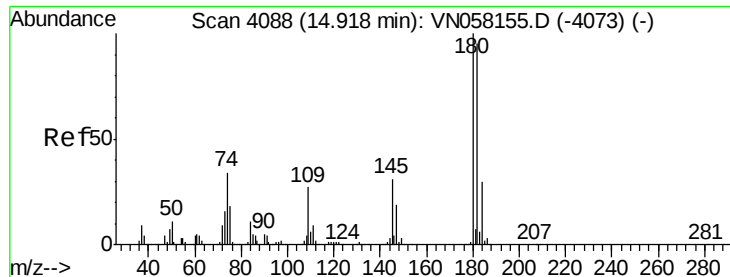


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

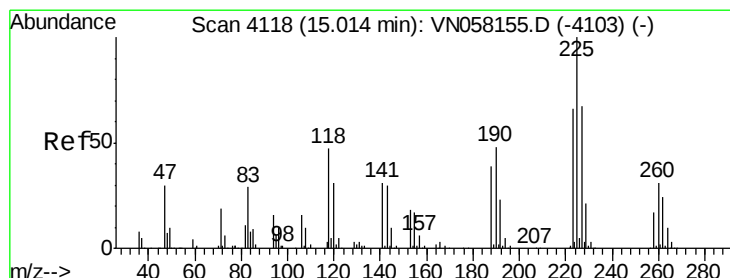
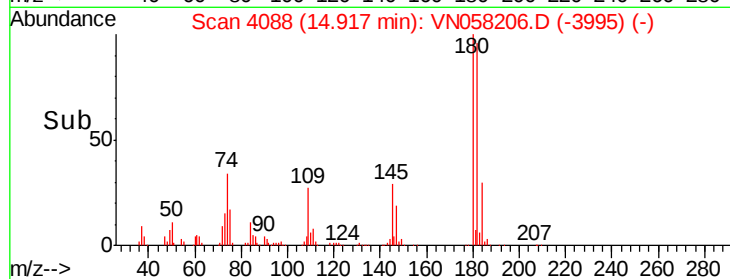
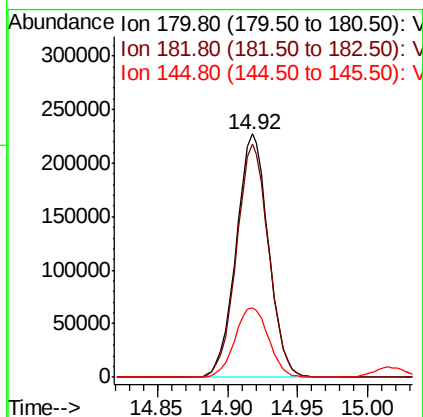
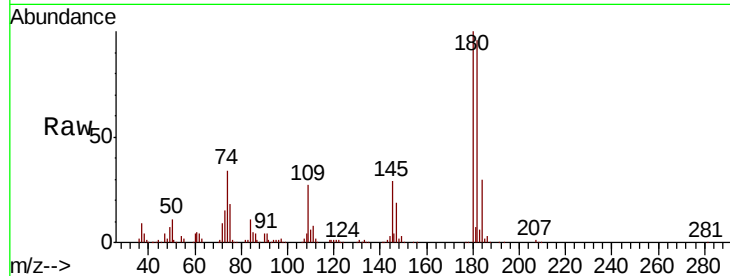




#93
 1,2,4-Trichlorobenzene
 Concen: 51.931 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

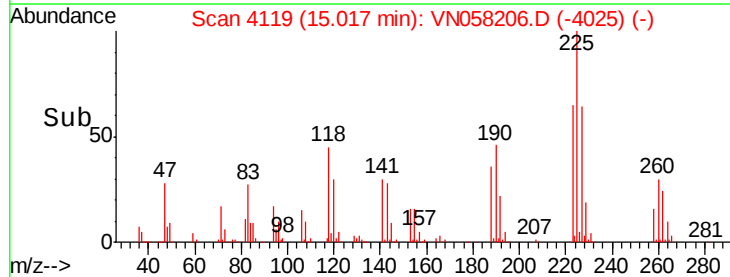
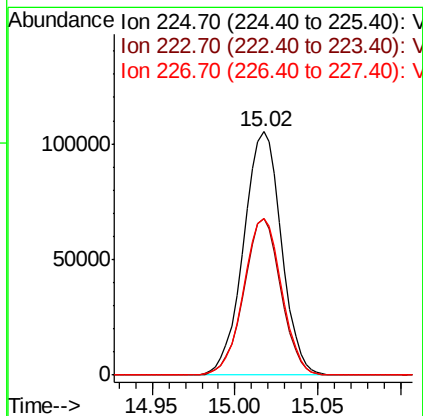
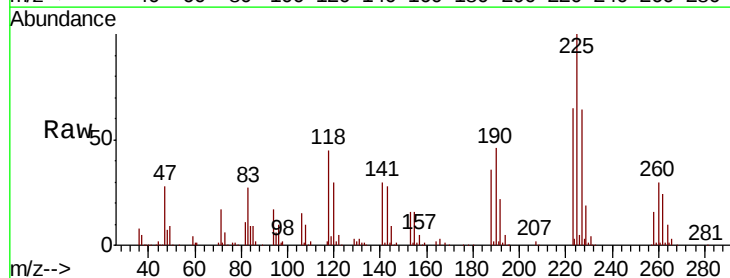
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

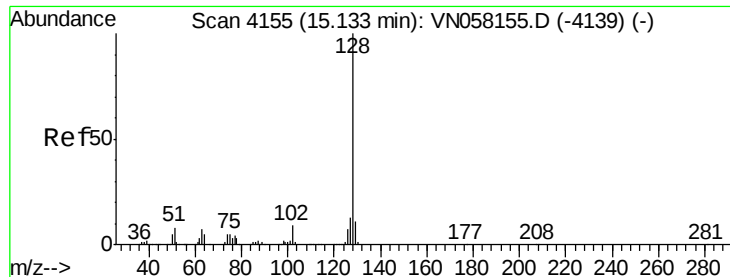
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	29.9	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 49.172 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.6	97.7
227	64.9	33.0	99.0





#95

Naphthalene

Concen: 53.345 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

BFB

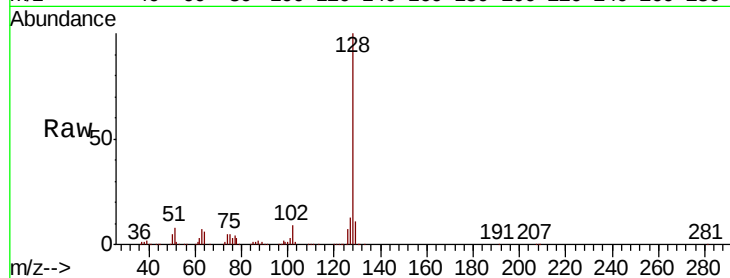
Tot Ion:128 Resp: 967782

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

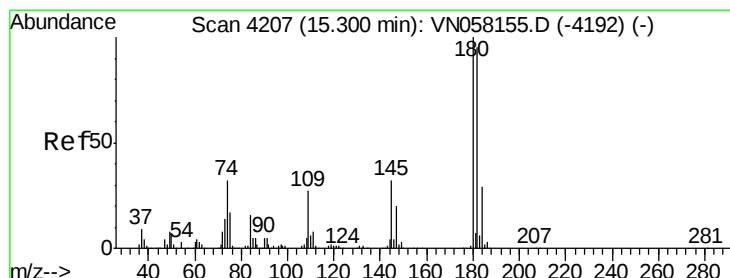
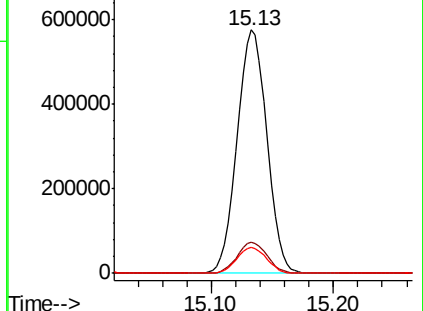
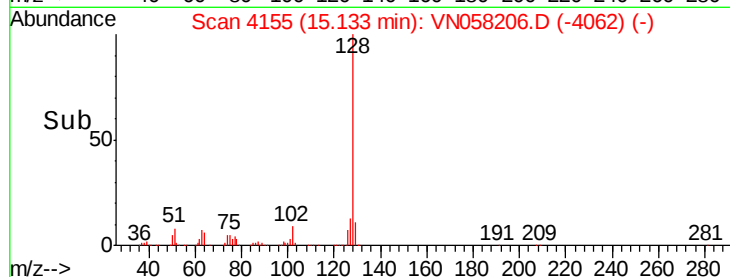
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.365 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

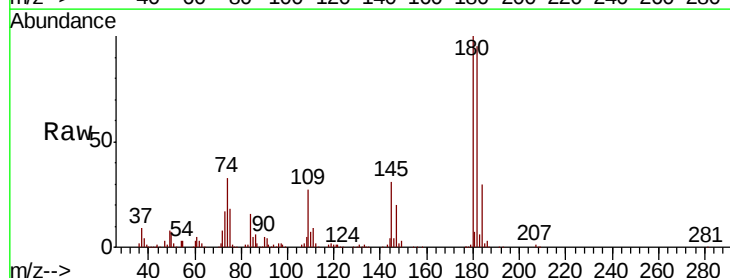
Tgt Ion:180 Resp: 339859

Ion Ratio Lower Upper

180 100

182 95.8 47.4 142.2

145 31.5 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

