

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
 Data File : VF062399.D
 Acq On : 9 May 2019 16:50
 Operator : FY/SY
 Sample : VF0509SBSD01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

Quant Time: May 10 01:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	308383	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	421399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	371312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	229486	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	160457	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	4.30	113	182388	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	7.70	98	417626	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.49	95	194896	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	81094	22.722	ug/l	93
3) Chloromethane	1.15	50	47511	20.184	ug/l	99
4) Vinyl Chloride	1.19	62	50808	21.640	ug/l	98
5) Bromomethane	1.39	94	41359	21.937	ug/l	92
6) Chloroethane	1.43	64	26802	22.706	ug/l	95
7) Trichlorofluoromethane	1.56	101	109777	22.535	ug/l	97
8) Diethyl Ether	1.71	74	14038	19.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	64088	23.044	ug/l	98
10) Methyl Iodide	1.97	142	103869	22.663	ug/l	98
11) Tert butyl alcohol	2.68	59	15563	94.487	ug/l	97
12) 1,1-Dichloroethene	1.87	96	48992	20.721	ug/l	91
13) Acrolein	2.09	56	9962	83.813	ug/l	88
14) Allyl chloride	2.19	41	80515	38.551	ug/l	92
15) Acrylonitrile	3.08	53	32005	102.579	ug/l	93
16) Acetone	2.34	43	61016	103.496	ug/l	96
17) Carbon Disulfide	1.91	76	112580	21.838	ug/l	97
18) Methyl Acetate	2.46	43	22662	19.145	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	102037	20.907	ug/l	99
20) Methylene Chloride	2.33	84	47484	22.262	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	46386	20.592	ug/l	98
22) Diisopropyl ether	2.93	45	141496	21.677	ug/l	98
23) Vinyl Acetate	3.33	43	280634	96.461	ug/l	100
24) 1,1-Dichloroethane	3.01	63	93503	23.701	ug/l	97
25) 2-Butanone	4.52	43	77444	104.560	ug/l	98
26) 2,2-Dichloropropane	3.76	77	54248	24.623	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	60454	21.469	ug/l	97
28) Bromochloromethane	3.89	49	33627	18.794	ug/l	97
29) Tetrahydrofuran	4.25	42	30583	89.842	ug/l	98
30) Chloroform	4.04	83	120141	22.541	ug/l	91
31) Cyclohexane	3.87	56	69770	22.157	ug/l	85
32) 1,1,1-Trichloroethane	4.28	97	107260	23.481	ug/l	97
36) 1,1-Dichloropropene	4.47	75	79776	22.038	ug/l	97
37) Ethyl Acetate	4.30	43	28070	16.369	ug/l #	100
38) Carbon Tetrachloride	4.17	117	122978	31.737	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	76848	21.167	ug/l	96
40) Benzene	4.81	78	164281	20.609	ug/l	96
41) Methacrylonitrile	4.92	41	14307	16.483	ug/l #	87
42) 1,2-Dichloroethane	5.12	62	68995	20.695	ug/l	98
43) Isopropyl Acetate	7.11	43	31398	19.069	ug/l	94
44) Trichloroethene	5.67	130	65788	22.467	ug/l	100
45) 1,2-Dichloropropane	6.40	63	38572	21.363	ug/l	89
46) Dibromomethane	6.25	93	32860	21.950	ug/l	93
47) Bromodichloromethane	6.55	83	77612	20.736	ug/l	96
48) Methyl methacrylate	6.87	41	23131	19.879	ug/l	93
49) 1,4-Dioxane	6.85	88	4426	361.497	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	119593	95.854	ug/l	98
52) Toluene	7.77	92	106661	21.689	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	56973	20.126	ug/l	92
54) cis-1,3-Dichloropropene	7.44	75	71683	21.758	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	32539	20.844	ug/l	97
56) Ethyl methacrylate	8.75	69	30200	18.326	ug/l	93
57) 1,3-Dichloropropane	8.98	76	49964	21.189	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	45128	91.088	ug/l	98
59) 2-Hexanone	9.61	43	87746	101.690	ug/l	96
60) Dibromochloromethane	8.85	129	52918	20.726	ug/l	97
61) 1,2-Dibromoethane	9.12	107	37141	20.243	ug/l	98
64) Tetrachloroethene	8.29	164	63042	20.913	ug/l	97
65) Chlorobenzene	9.92	112	134651	21.917	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	64061	20.670	ug/l	99
67) Ethyl Benzene	10.02	91	226255	21.031	ug/l	100
68) m/p-Xylenes	10.24	106	170021	42.834	ug/l	94
69) o-Xylene	10.81	106	93524	21.805	ug/l	91
70) Styrene	10.88	104	135524	21.083	ug/l	100
71) Bromoform	10.86	173	33065	19.474	ug/l #	98
73) Isopropylbenzene	11.21	105	283892	20.867	ug/l	100
74) N-amyl acetate	11.44	43	53976	18.480	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	42404	19.906	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	31414	19.329	ug/l #	100
77) Bromobenzene	11.57	156	72464	20.295	ug/l	99
78) n-propylbenzene	11.66	91	317840	21.944	ug/l	98
79) 2-Chlorotoluene	11.79	91	188599	20.940	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	256255	21.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	17472	28.601	ug/l #	69
82) 4-Chlorotoluene	11.96	91	192023	21.586	ug/l	97
83) tert-Butylbenzene	12.19	119	265153	21.158	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	252762	21.660	ug/l	99
85) sec-Butylbenzene	12.36	105	330746	21.683	ug/l	98
86) p-Isopropyltoluene	12.51	119	312929	22.081	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	141295	21.668	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	131195	20.845	ug/l	99
89) n-Butylbenzene	12.89	91	286734	22.741	ug/l	97
90) Hexachloroethane	12.96	117	74166	20.959	ug/l	95
91) 1,2-Dichlorobenzene	12.98	146	139238	22.060	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8400	17.602	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

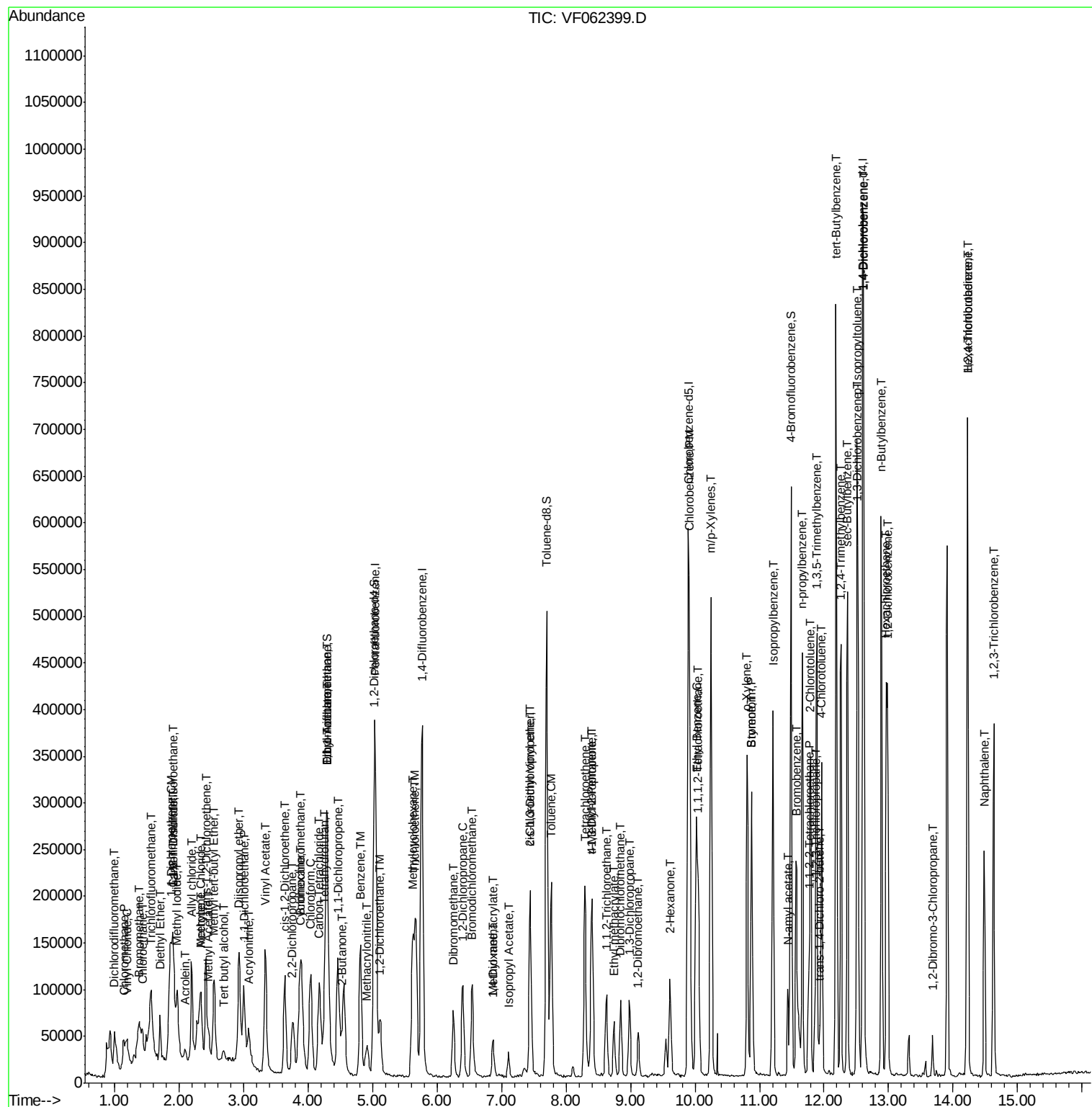
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	116212	20.527	ug/l	99
94) Hexachlorobutadiene	14.22	225	89556	21.224	ug/l	98
95) Naphthalene	14.48	128	164758	19.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	115657	21.087	ug/l	99

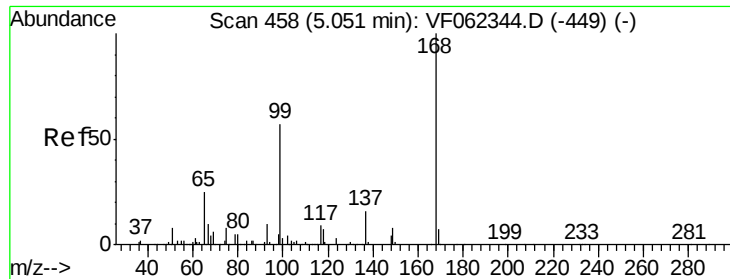
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

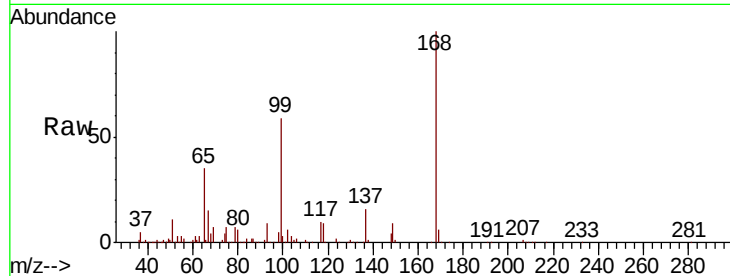
VF0509SBSD01

Tgt Ion:168 Resp: 308383

Ion Ratio Lower Upper

168 100

99 59.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

100000

80000

60000

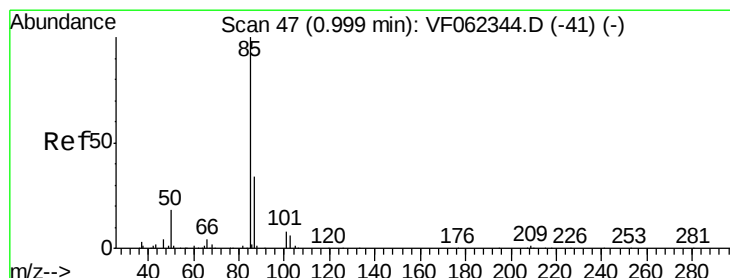
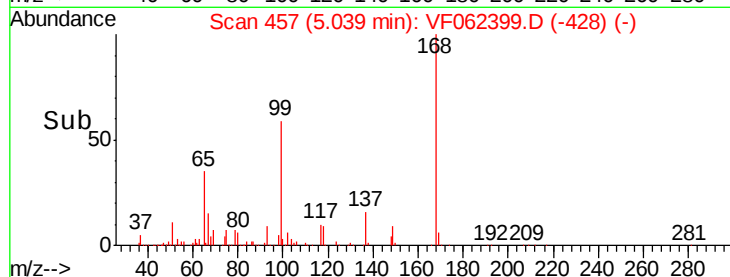
40000

20000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 22.722 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062399.D

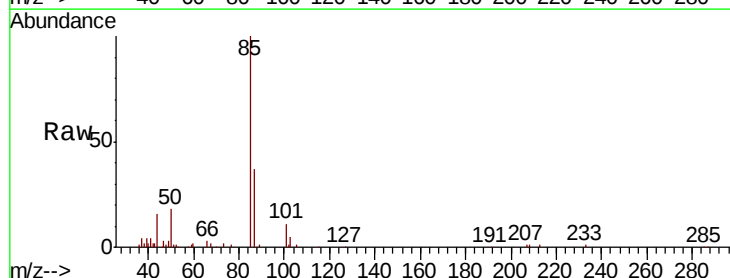
Acq: 9 May 2019 16:50

Tgt Ion: 85 Resp: 81094

Ion Ratio Lower Upper

85 100

87 37.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

15000

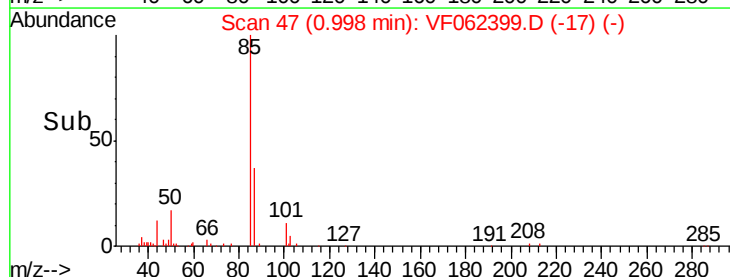
10000

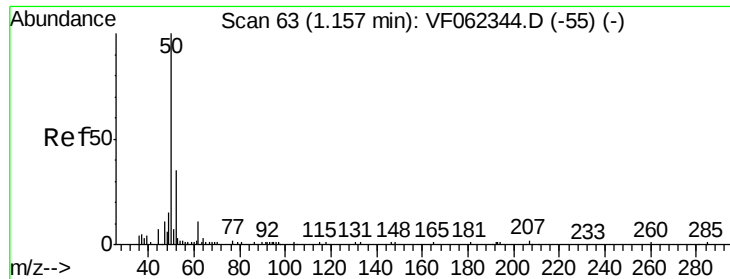
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.184 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

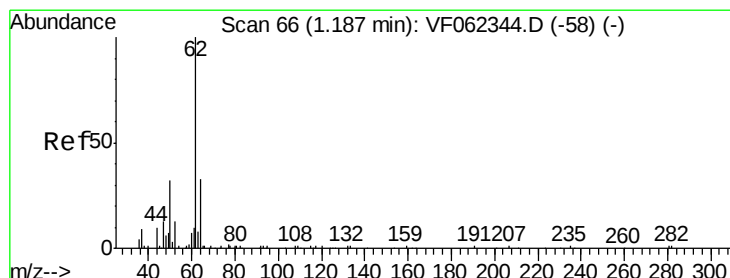
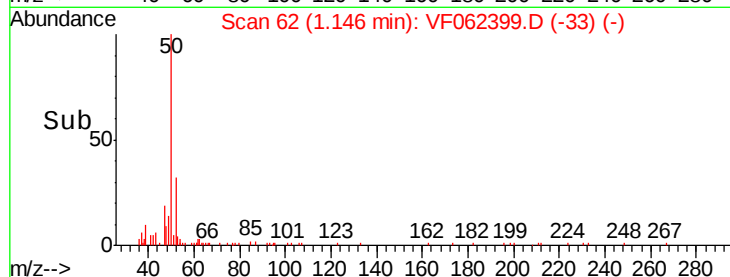
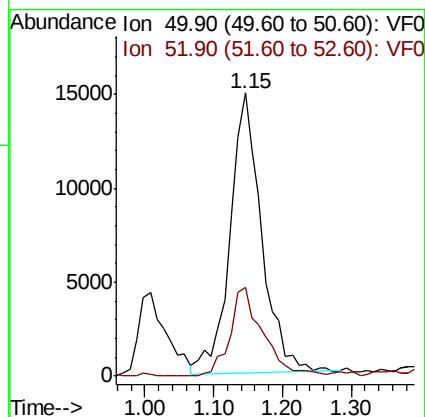
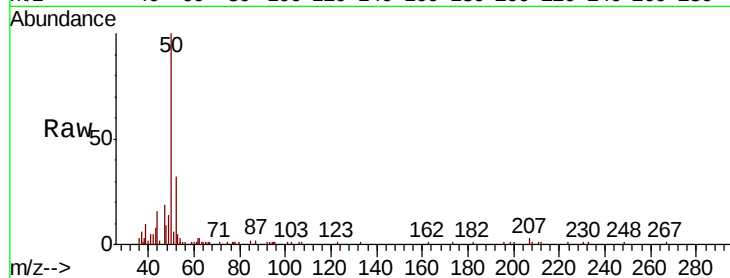
VF0509SBS01

Tgt Ion: 50 Resp: 47511

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 21.640 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062399.D

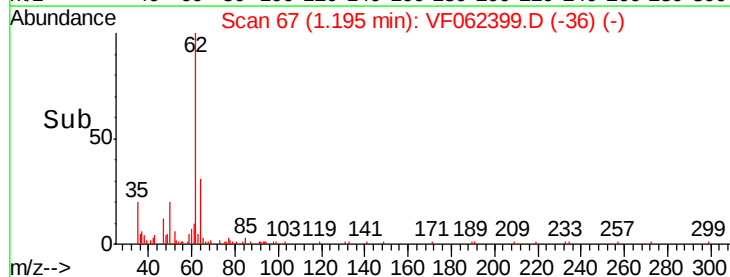
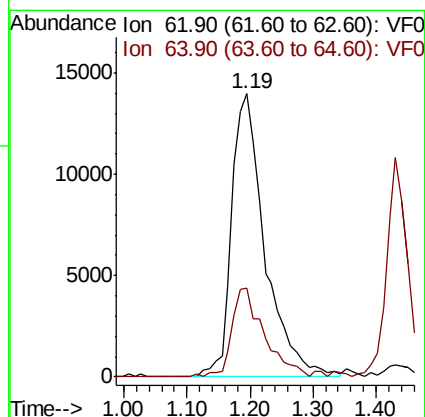
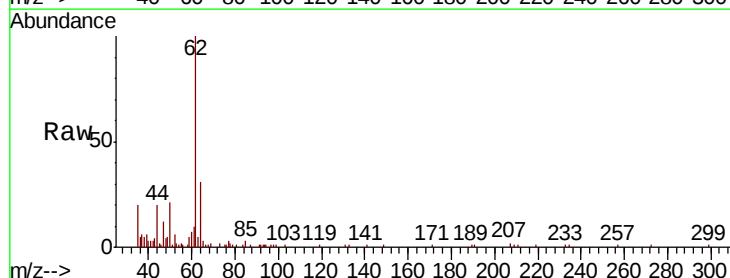
Acq: 9 May 2019 16:50

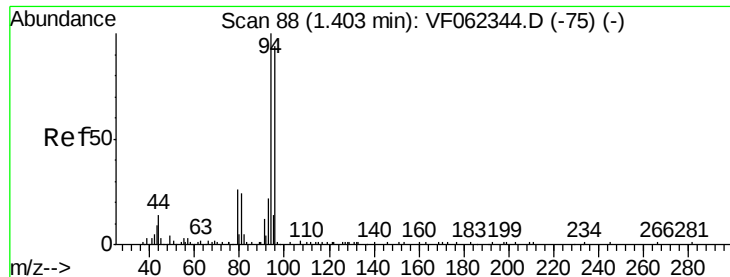
Tgt Ion: 62 Resp: 50808

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 21.937 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

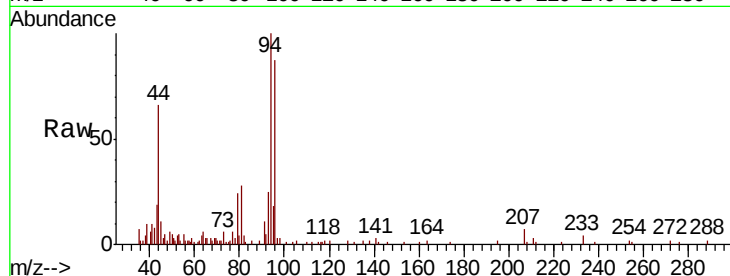
VF0509SBSD01

Tgt Ion: 94 Resp: 41359

Ion Ratio Lower Upper

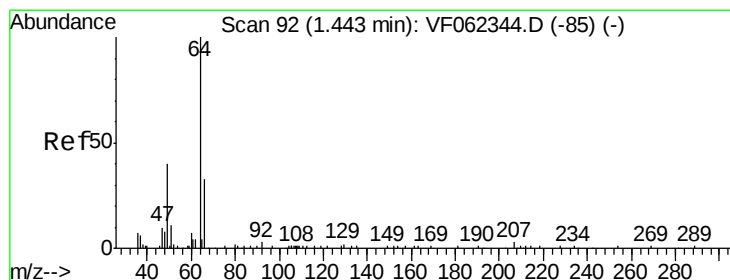
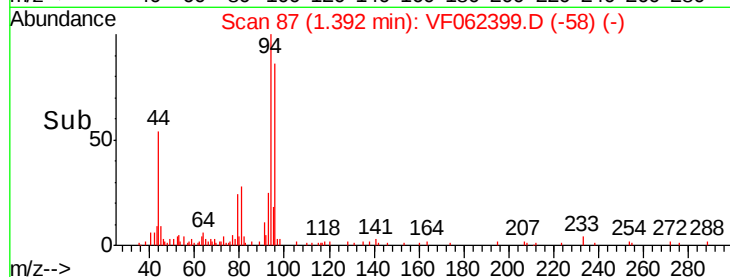
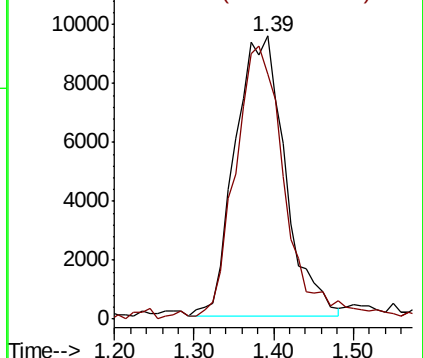
94 100

96 86.7 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 22.706 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062399.D

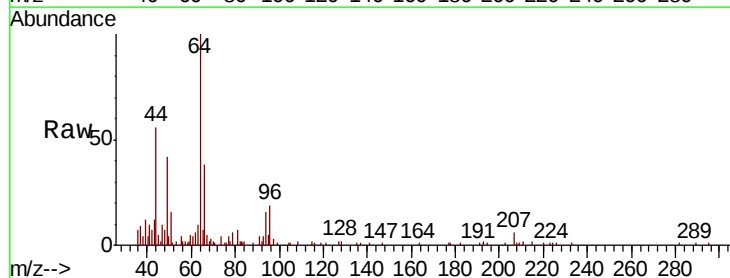
Acq: 9 May 2019 16:50

Tgt Ion: 64 Resp: 26802

Ion Ratio Lower Upper

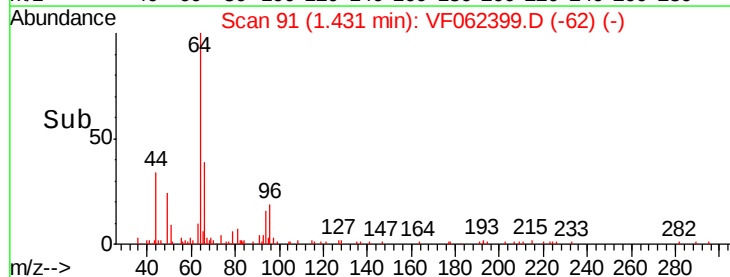
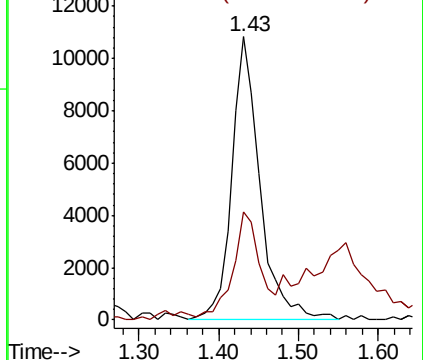
64 100

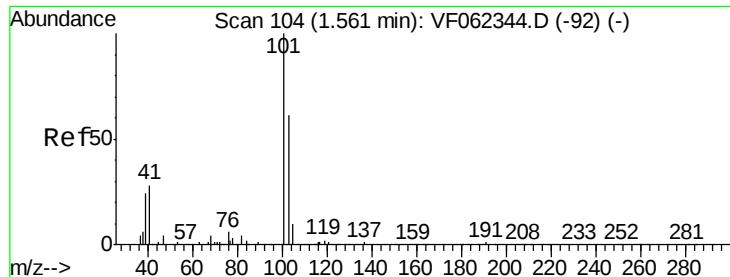
66 35.9 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



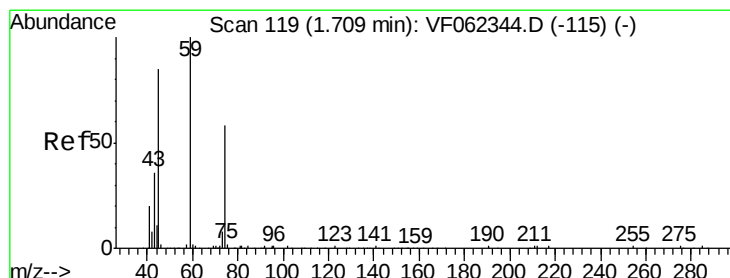
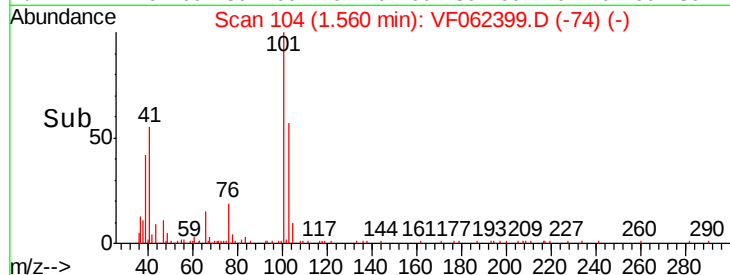
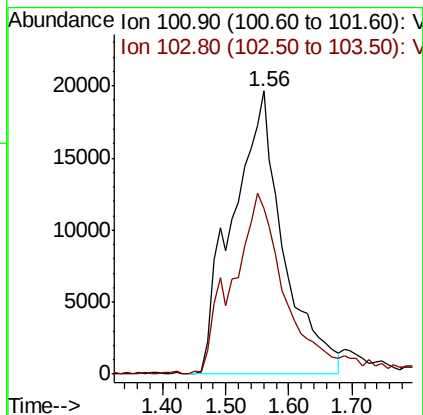
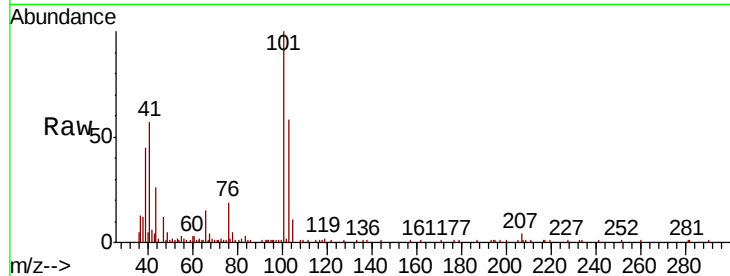


#7

Trichlorofluoromethane
Concen: 22.535 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

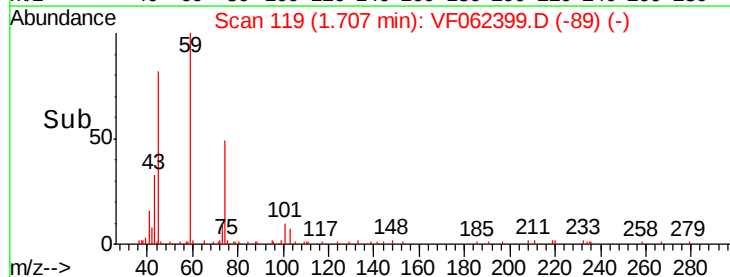
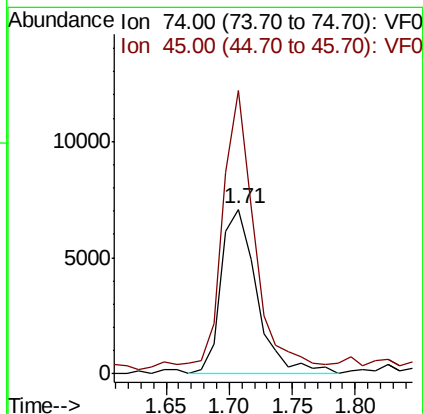
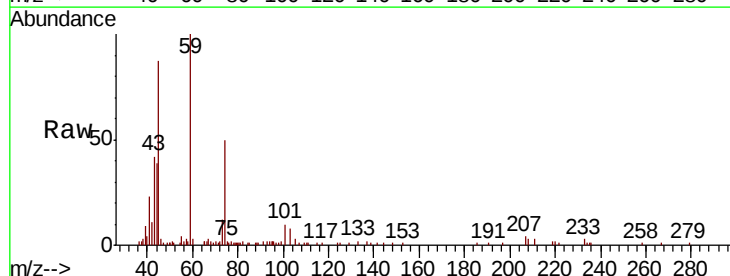
Tgt Ion:101 Resp: 109777
Ion Ratio Lower Upper
101 100
103 58.4 48.5 72.7



#8

Diethyl Ether
Concen: 19.045 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 74 Resp: 14038
Ion Ratio Lower Upper
74 100
45 150.6 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.044 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

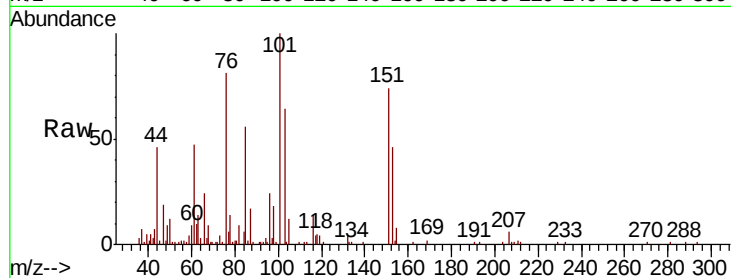
Tgt Ion:101 Resp: 64088

Ion Ratio Lower Upper

101 100

85 52.4 39.5 59.3

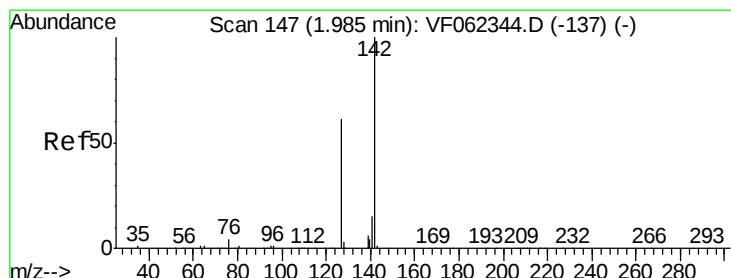
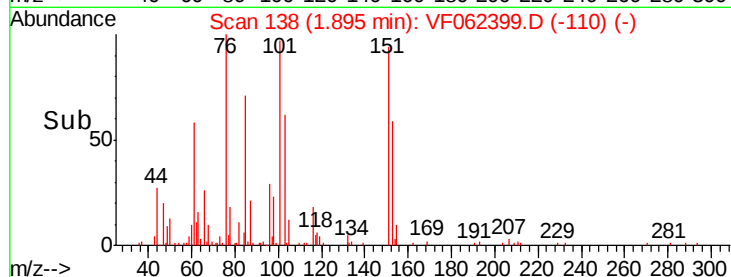
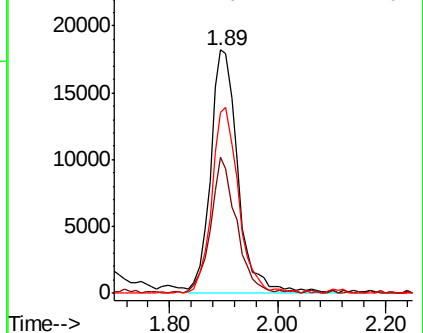
151 74.5 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.663 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

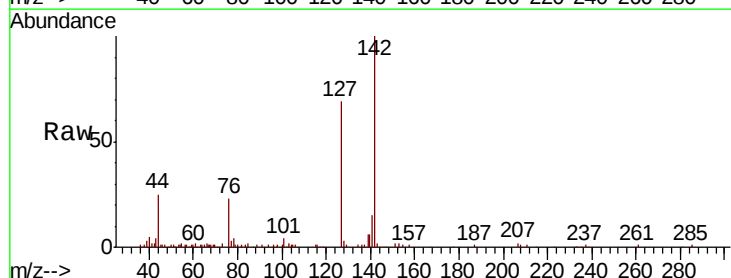
Tgt Ion:142 Resp: 103869

Ion Ratio Lower Upper

142 100

127 62.7 48.4 72.6

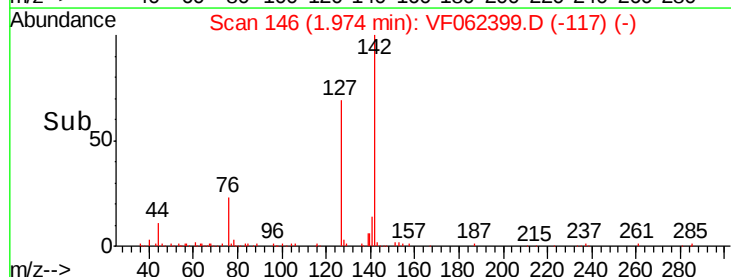
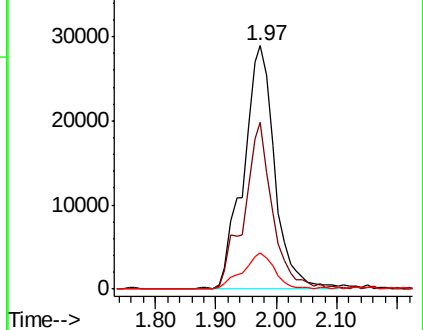
141 15.4 12.2 18.4

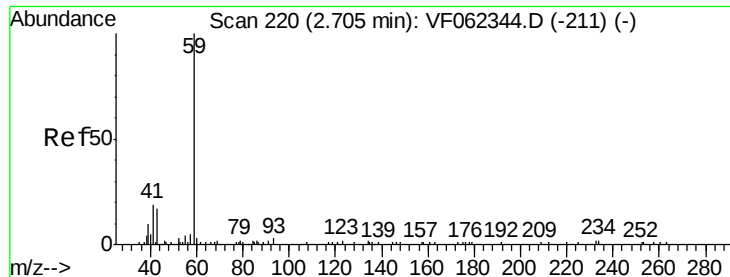


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



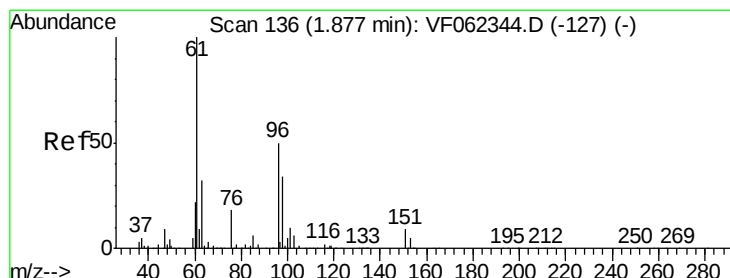
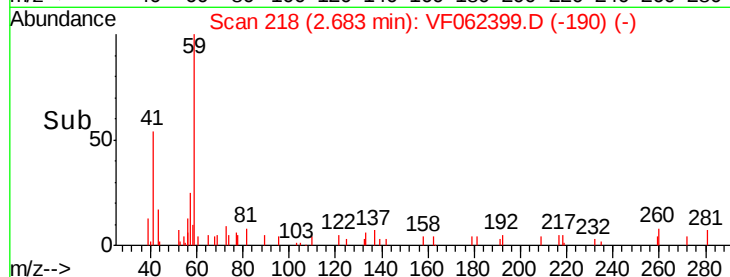
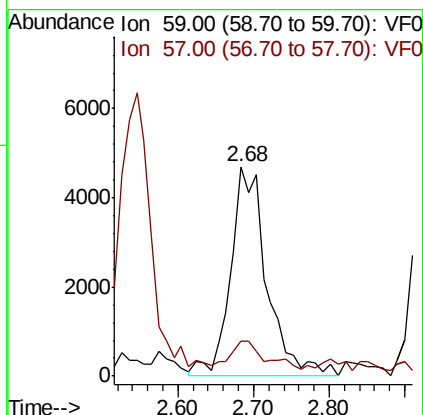
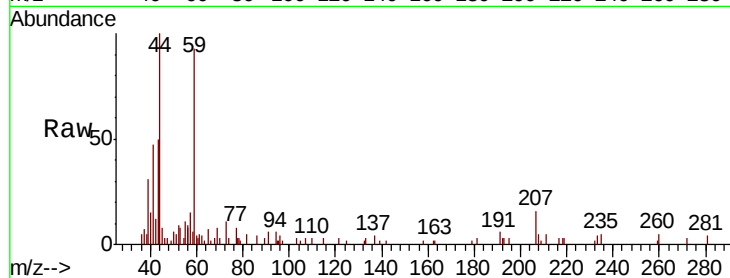


#11

Tert butyl alcohol
 Concen: 94.487 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

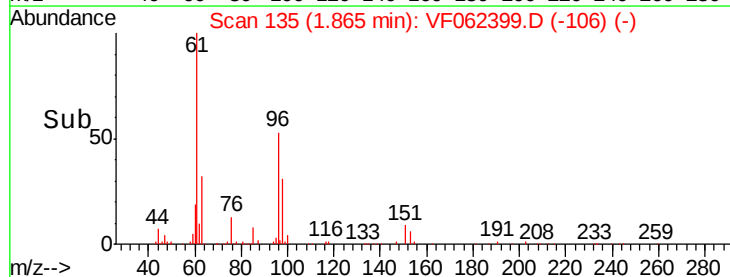
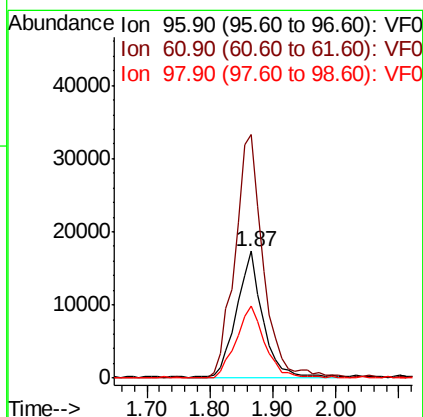
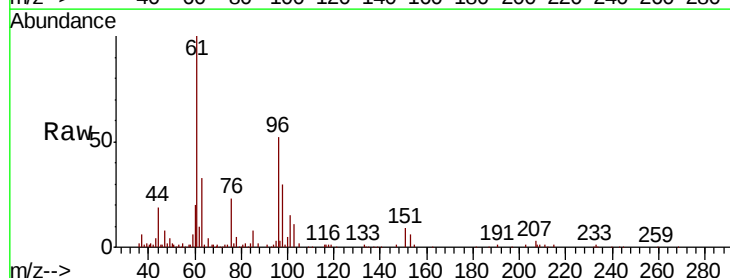
Tgt Ion: 59 Resp: 15563
 Ion Ratio Lower Upper
 59 100
 57 12.6 9.3 13.9

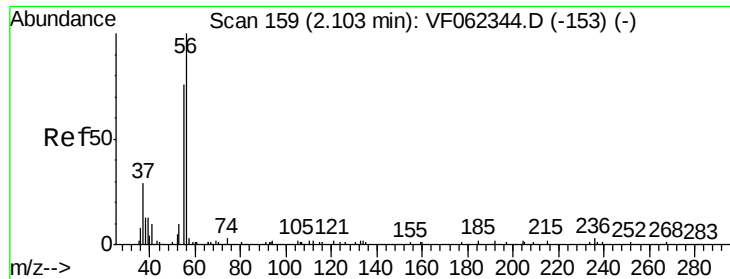


#12

1,1-Dichloroethene
 Concen: 20.721 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion: 96 Resp: 48992
 Ion Ratio Lower Upper
 96 100
 61 193.8 163.2 244.8
 98 57.5 55.2 82.8





#13

Acrolein

Concen: 83.813 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

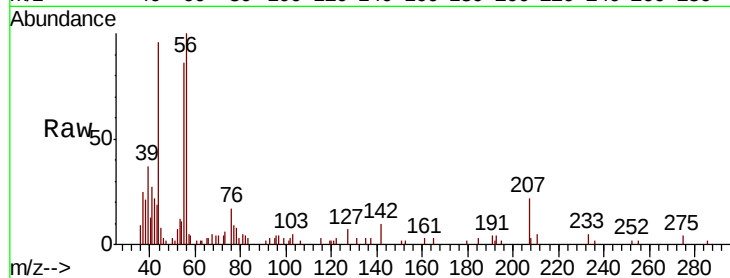
VF0509SBSD01

Tgt Ion: 56 Resp: 9962

Ion Ratio Lower Upper

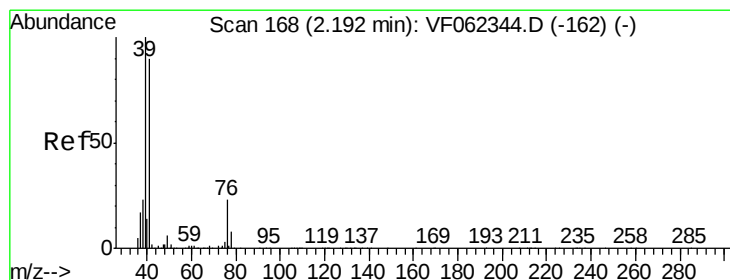
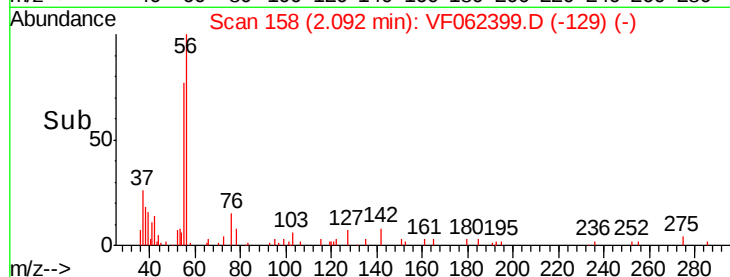
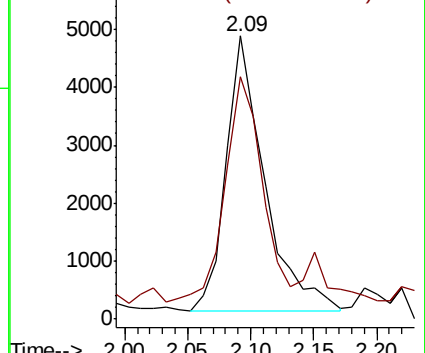
56 100

55 83.3 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 38.551 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

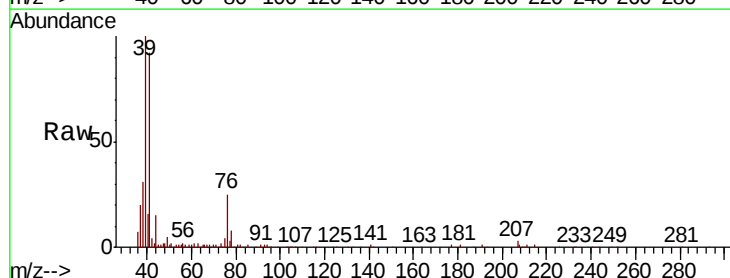
Tgt Ion: 41 Resp: 80515

Ion Ratio Lower Upper

41 100

39 104.3 90.8 136.2

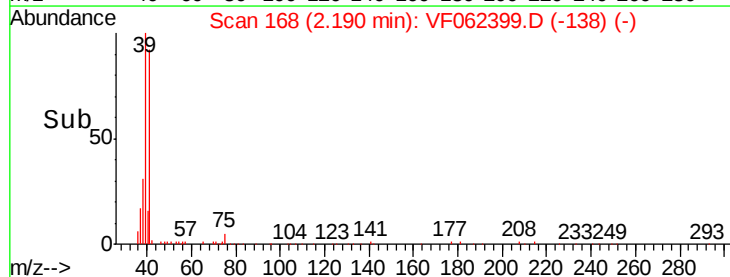
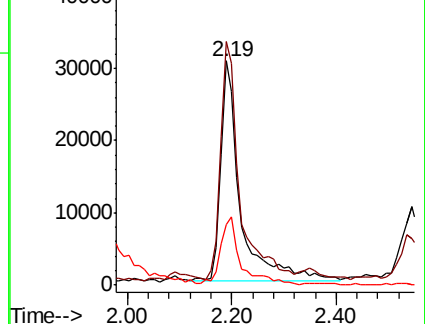
76 29.8 22.2 33.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 102.579 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

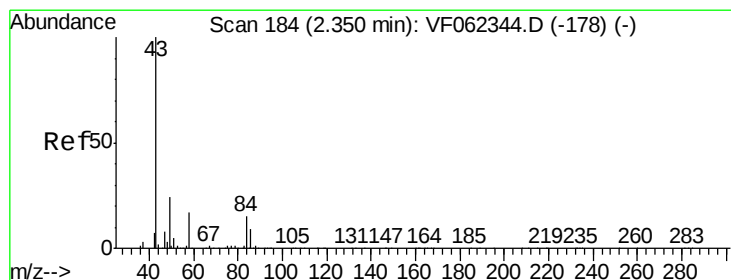
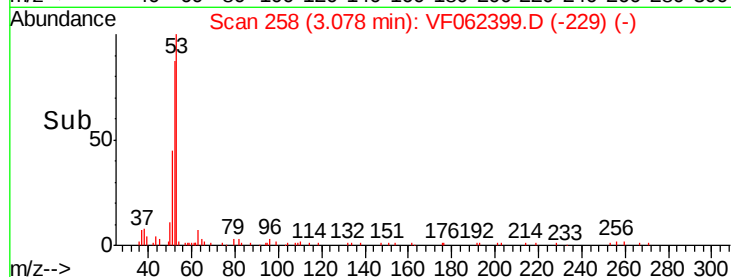
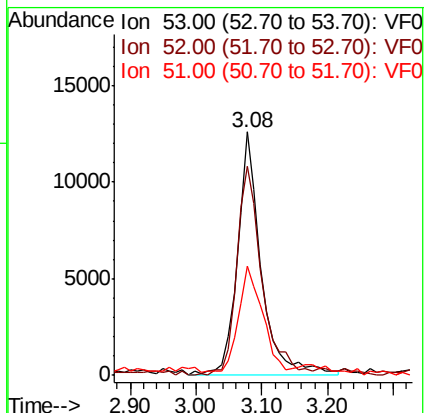
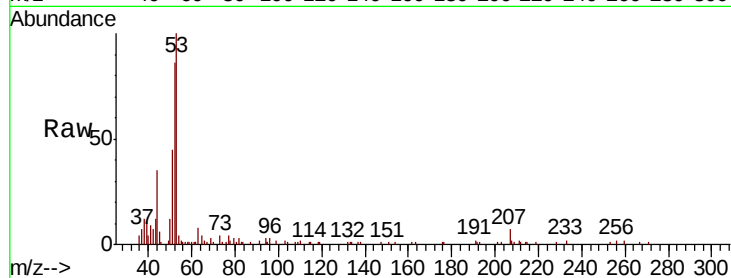
MSVOA_F

ClientSampleId :

VF0509SBS01

Tgt Ion: 53 Resp: 32005

Ion	Ratio	Lower	Upper
53	100		
52	90.9	77.2	115.8
51	43.4	40.6	61.0



#16

Acetone

Concen: 103.496 ug/l

RT: 2.34 min Scan# 183

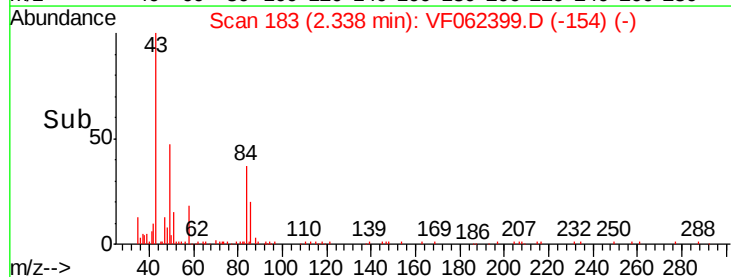
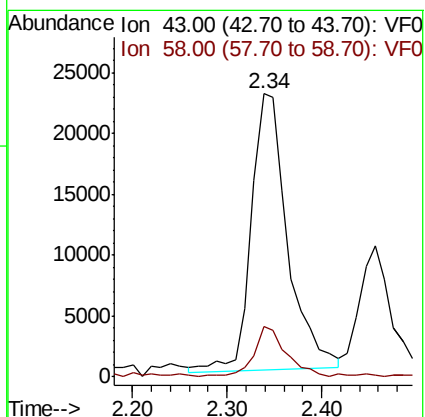
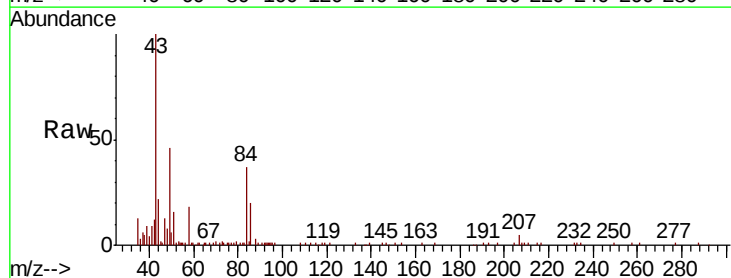
Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion: 43 Resp: 61016

Ion	Ratio	Lower	Upper
43	100		
58	18.1	13.1	19.7

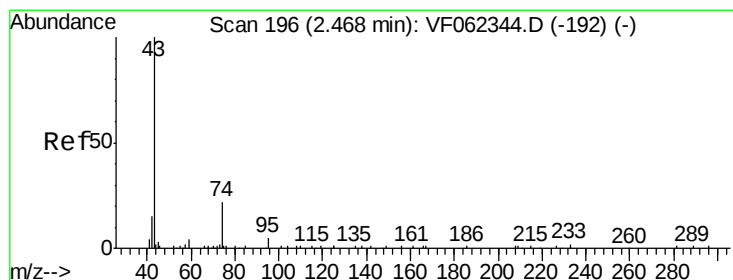
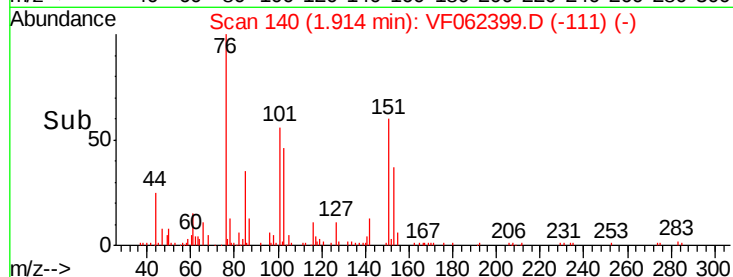
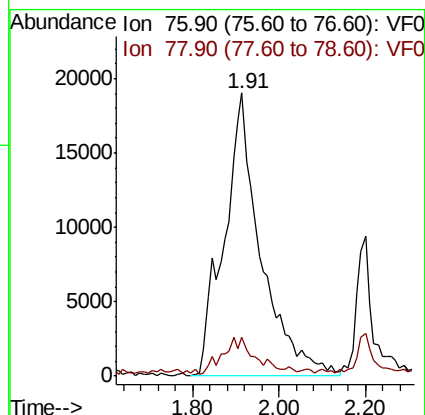
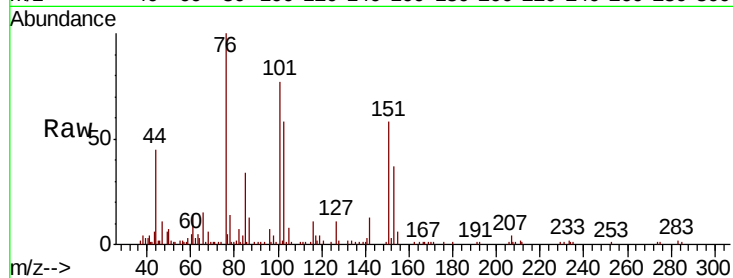




#17
Carbon Disulfide
Concen: 21.838 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

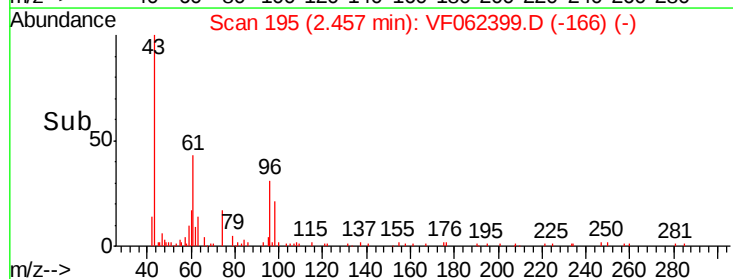
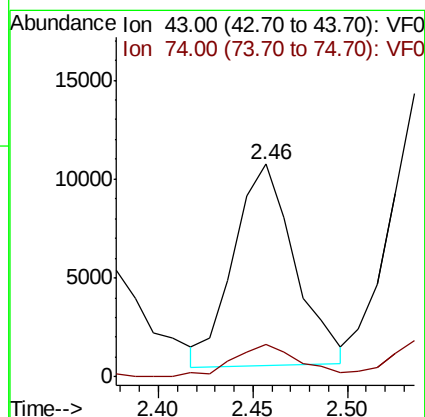
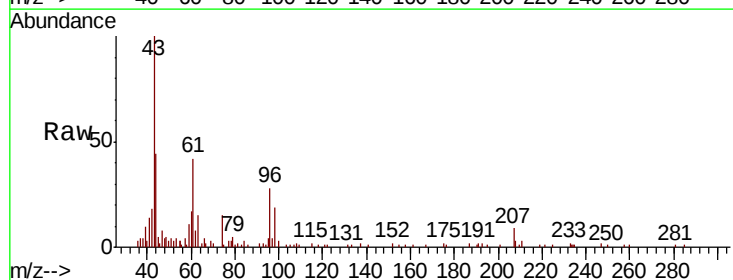
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

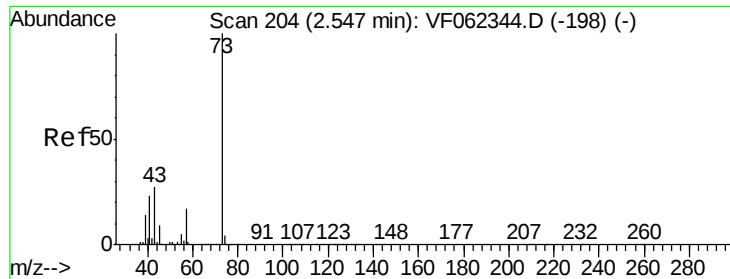
Tgt Ion: 76 Resp: 112580
Ion Ratio Lower Upper
76 100
78 12.4 9.0 13.4



#18
Methyl Acetate
Concen: 19.145 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 43 Resp: 22662
Ion Ratio Lower Upper
43 100
74 17.8 15.0 22.4

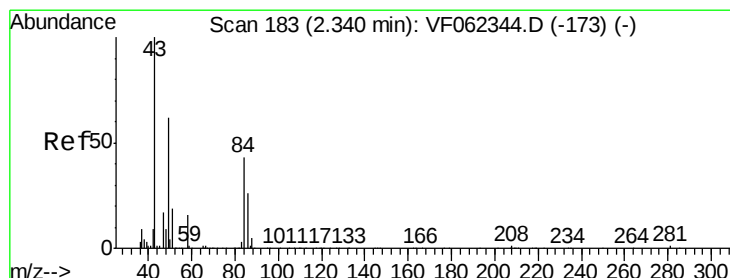
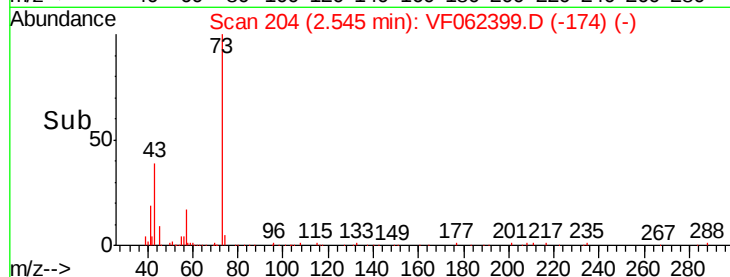
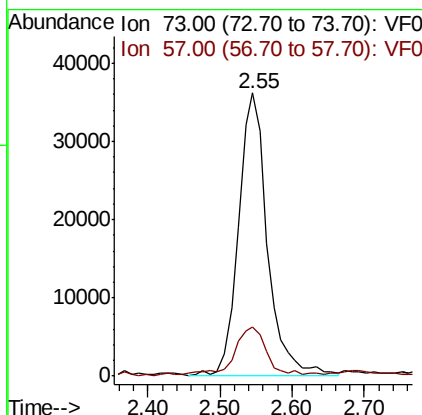
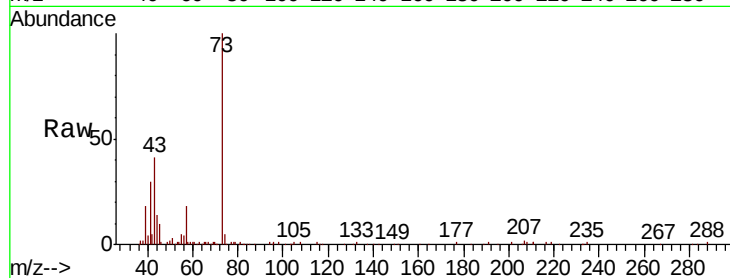




#19
Methyl tert-butyl Ether
Concen: 20.907 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

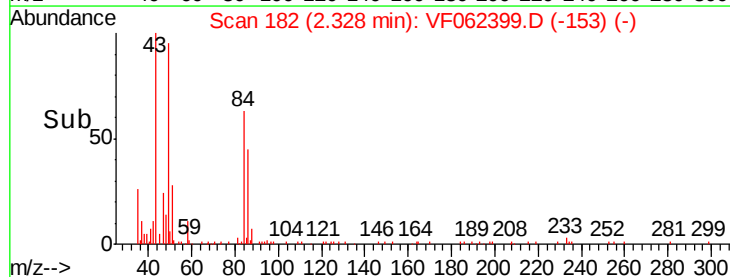
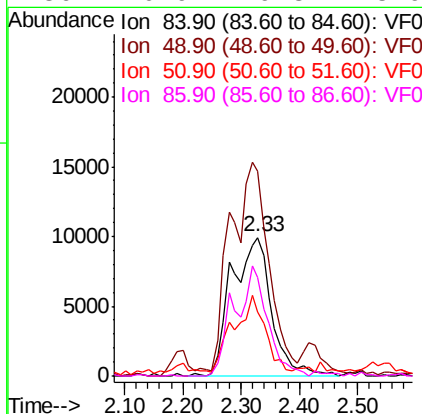
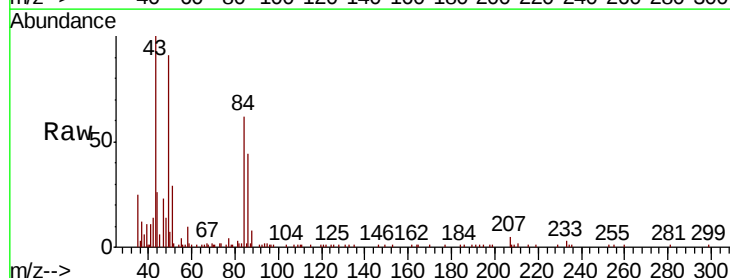
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

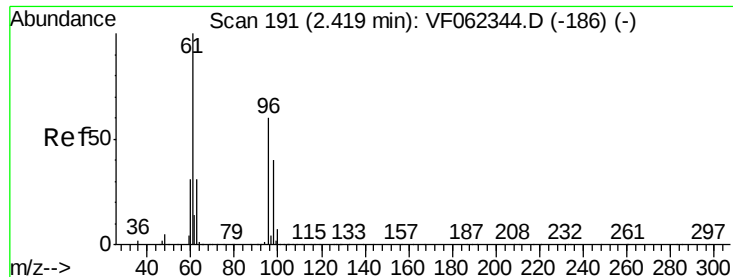
Tgt Ion: 73 Resp: 102037
Ion Ratio Lower Upper
73 100
57 16.6 13.7 20.5



#20
Methylene Chloride
Concen: 22.262 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 84 Resp: 47484
Ion Ratio Lower Upper
84 100
49 144.4 117.5 176.3
51 42.8 37.0 55.4
86 70.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.592 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

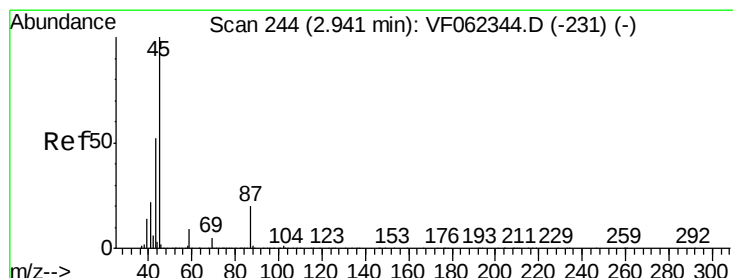
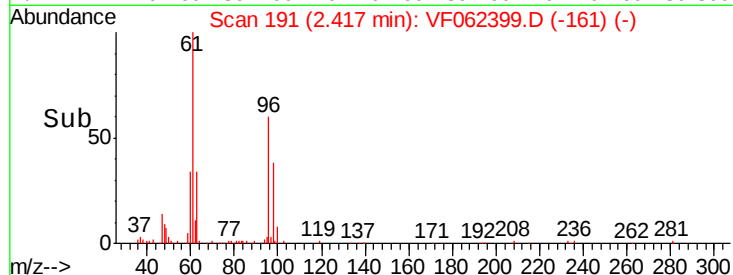
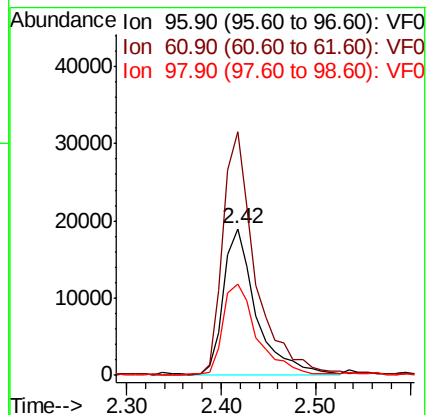
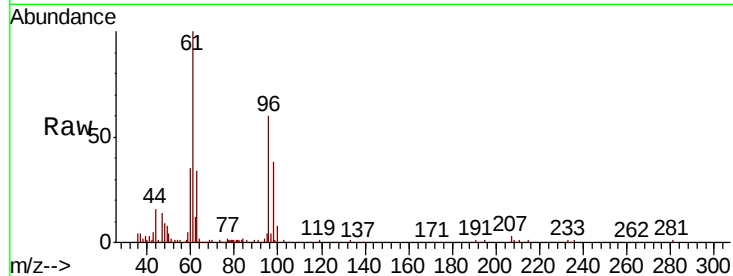
Tgt Ion: 96 Resp: 46386

Ion Ratio Lower Upper

96 100

61 166.0 133.2 199.8

98 61.9 53.1 79.7



#22

Diisopropyl ether

Concen: 21.677 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion: 45 Resp: 141496

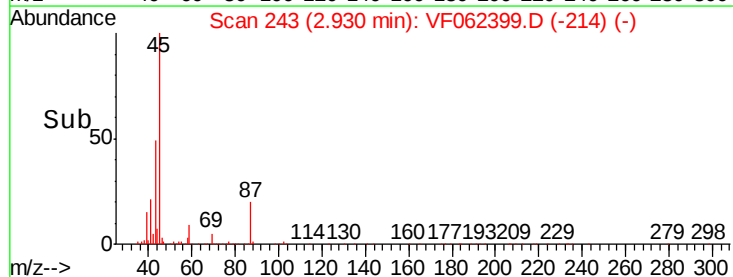
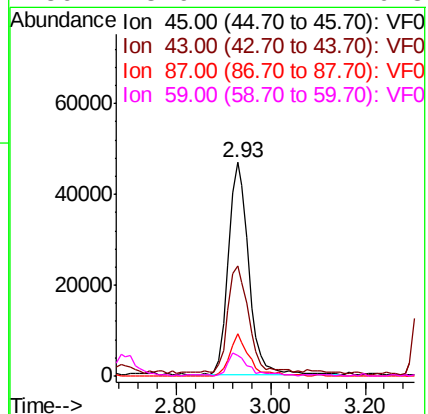
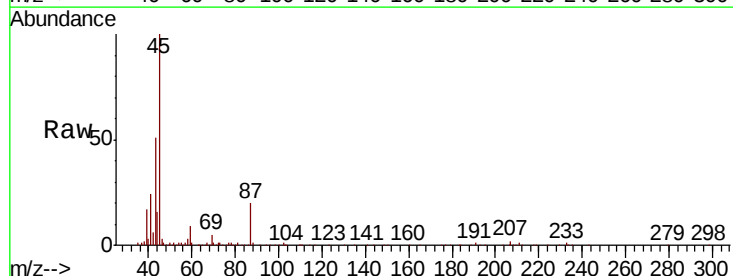
Ion Ratio Lower Upper

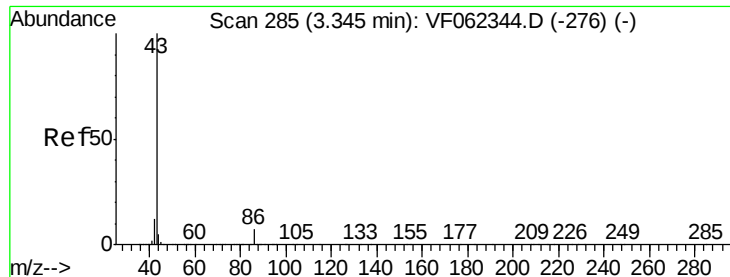
45 100

43 49.5 41.4 62.0

87 19.8 15.8 23.6

59 8.9 7.2 10.8





#23

Vinyl Acetate

Concen: 96.461 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

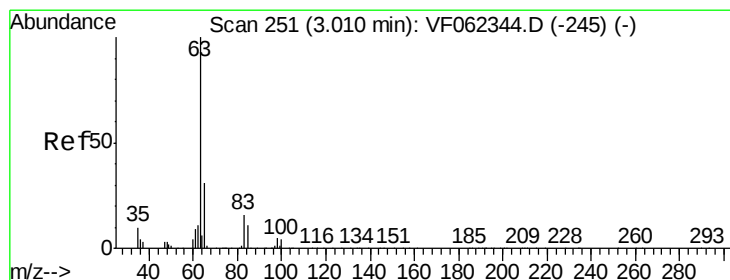
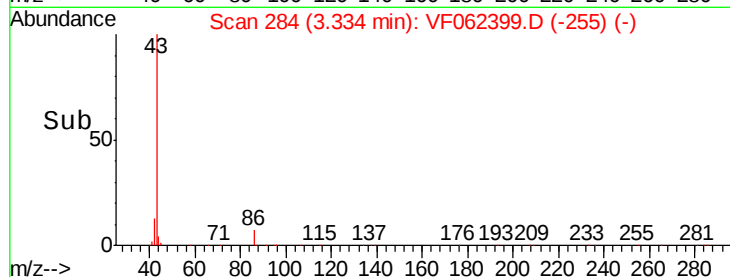
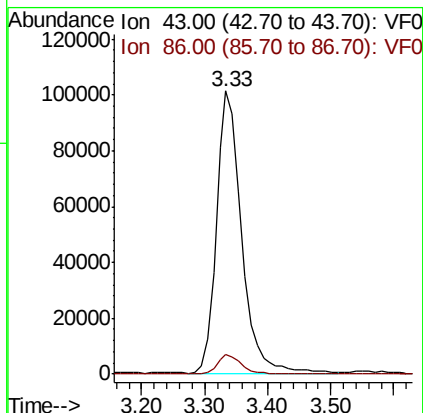
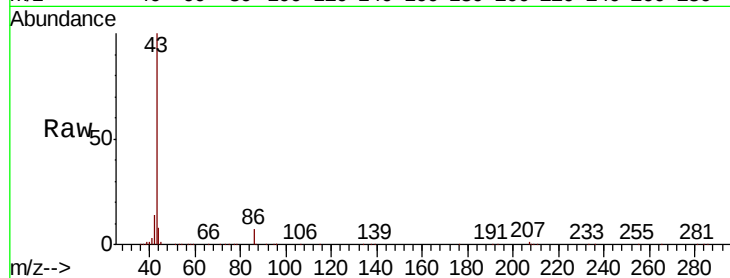
VF0509SBSD01

Tgt Ion: 43 Resp: 280634

Ion Ratio Lower Upper

43 100

86 7.1 5.7 8.5



#24

1,1-Dichloroethane

Concen: 23.701 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

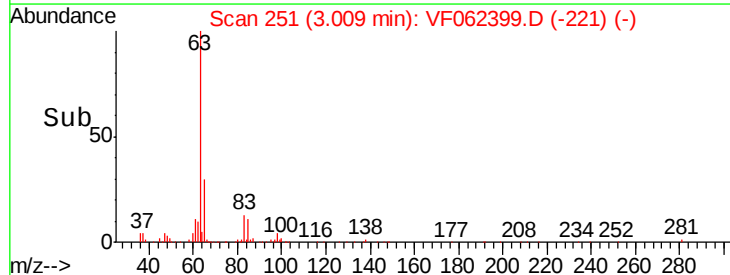
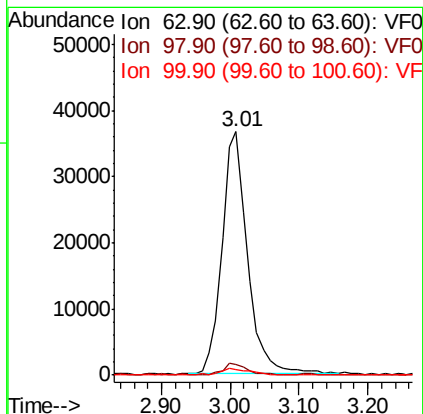
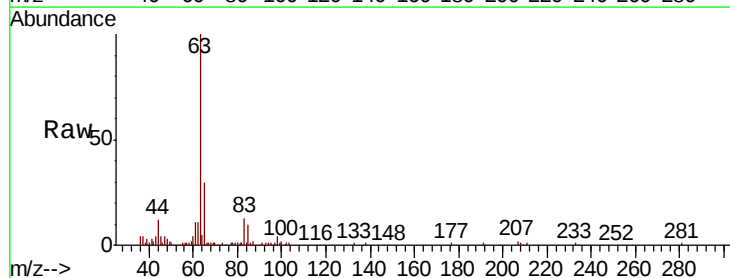
Tgt Ion: 63 Resp: 93503

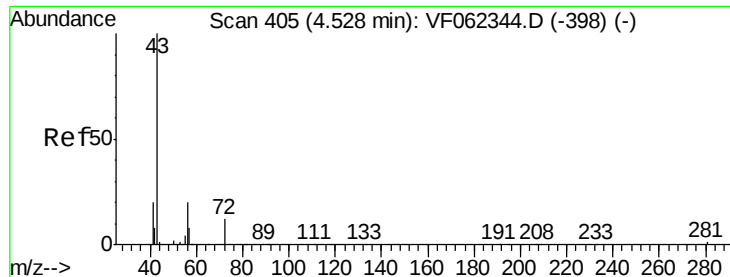
Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

100 2.1 1.8 5.4

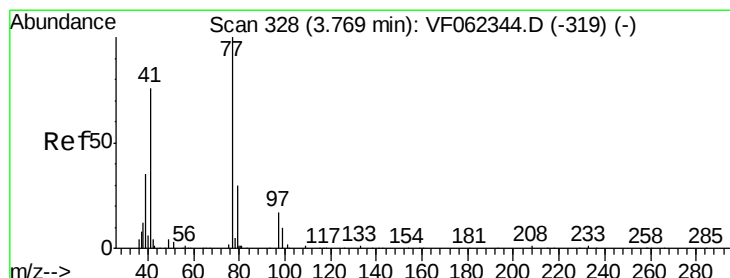
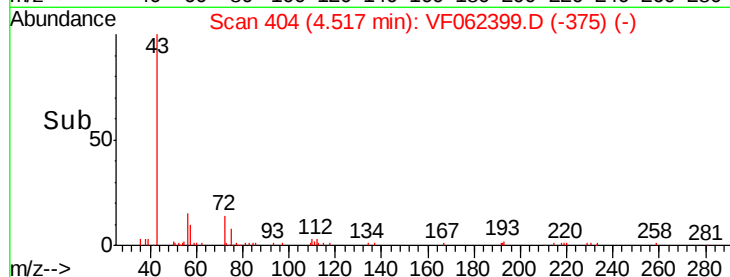
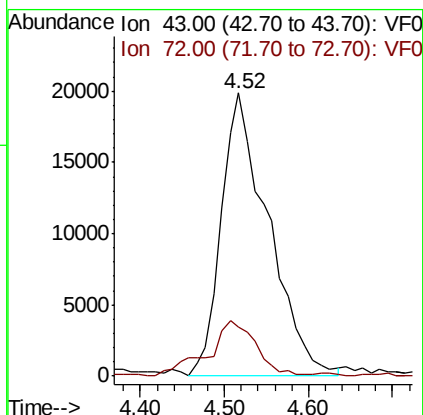
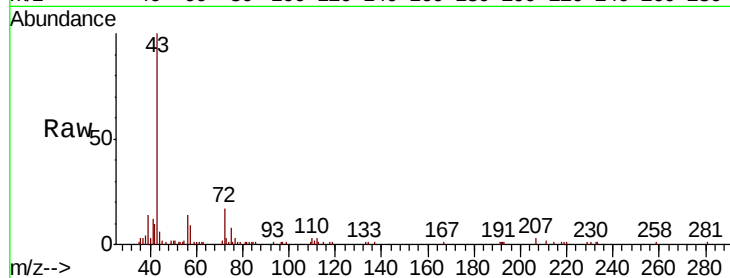




#25
2-Butanone
Concen: 104.560 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

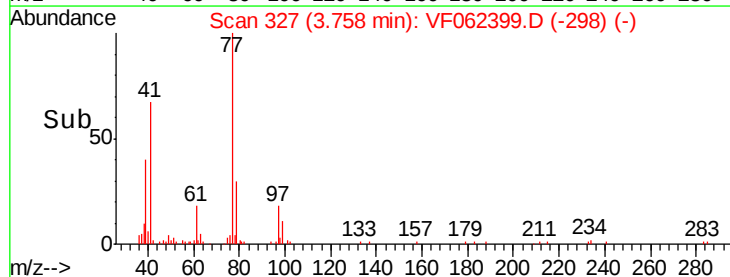
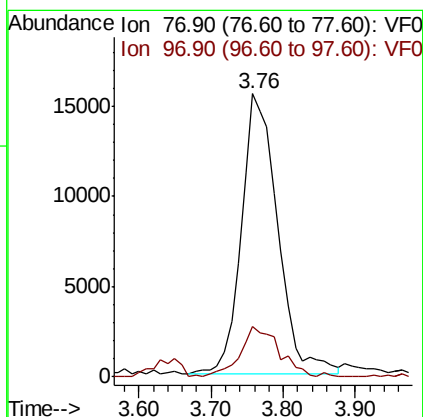
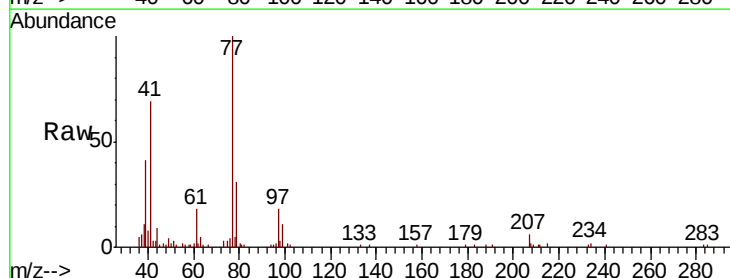
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

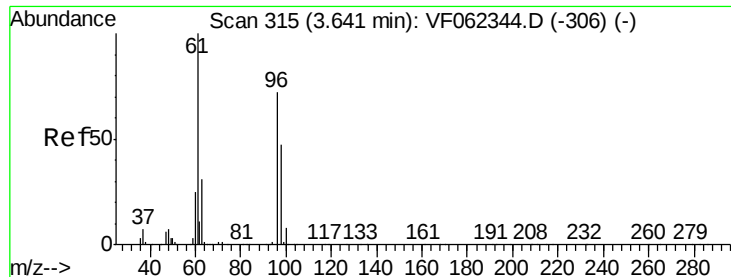
Tgt Ion: 43 Resp: 77444
Ion Ratio Lower Upper
43 100
72 16.7 14.2 21.4



#26
2,2-Dichloropropane
Concen: 24.623 ug/l
RT: 3.76 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 77 Resp: 54248
Ion Ratio Lower Upper
77 100
97 19.0 9.5 28.5



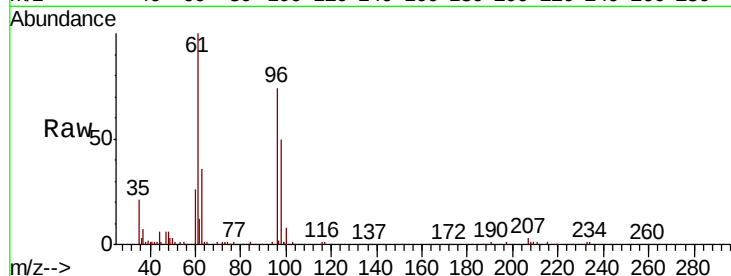


#27

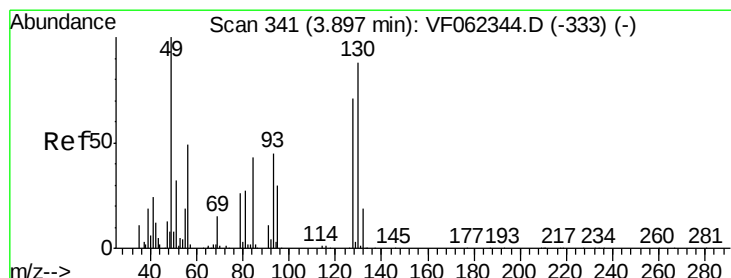
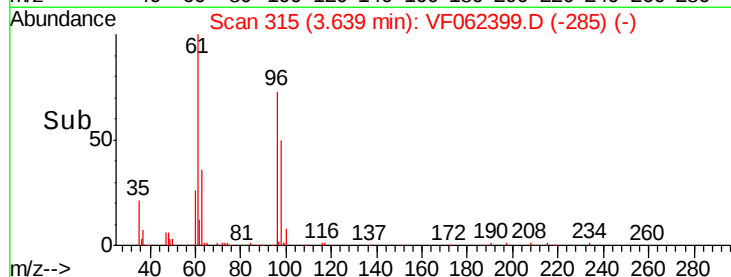
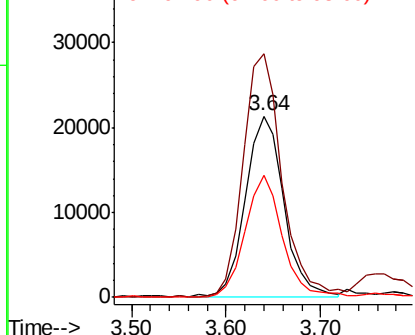
cis-1,2-Dichloroethene
Concen: 21.469 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tgt Ion: 96 Resp: 60454
Ion Ratio Lower Upper
96 100
61 136.1 0.0 263.0
98 64.7 0.0 130.8



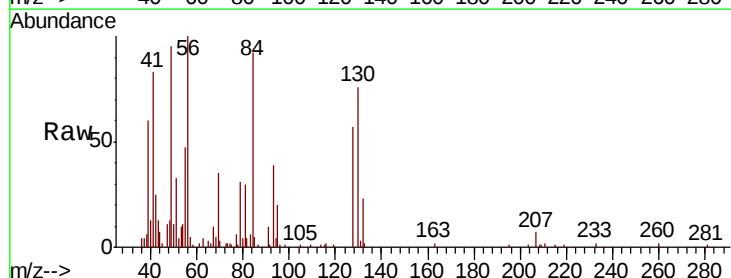
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



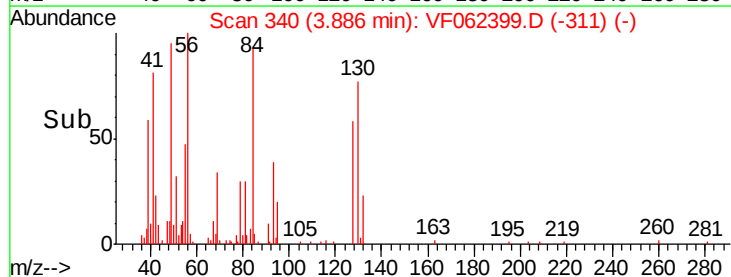
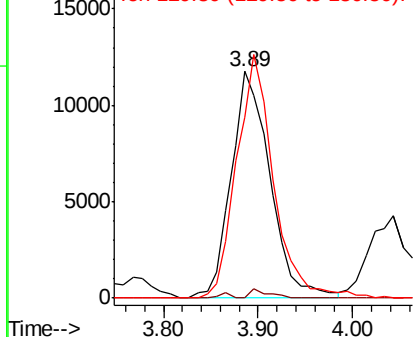
#28

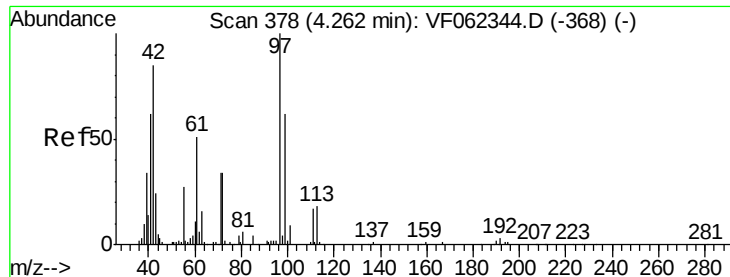
Bromochloromethane
Concen: 18.794 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 49 Resp: 33627
Ion Ratio Lower Upper
49 100
129 1.8 0.0 2.2
130 102.2 79.4 119.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 89.842 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

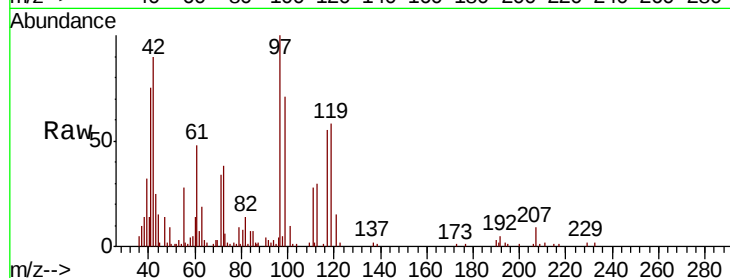
Tgt Ion: 42 Resp: 30583

Ion Ratio Lower Upper

42 100

72 38.4 31.4 47.0

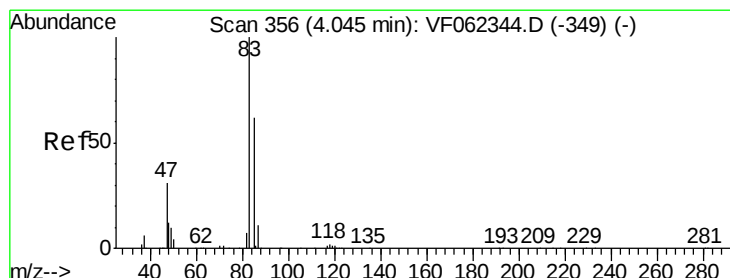
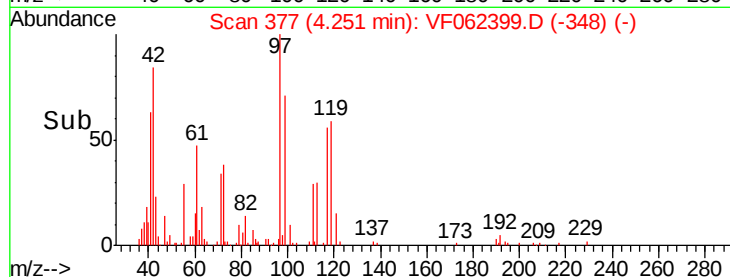
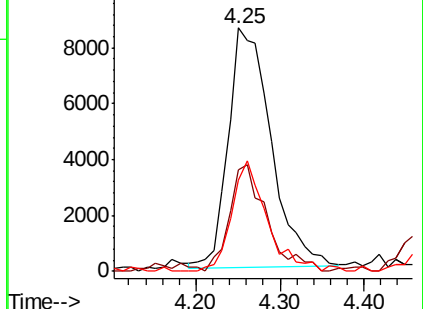
71 38.1 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.541 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062399.D

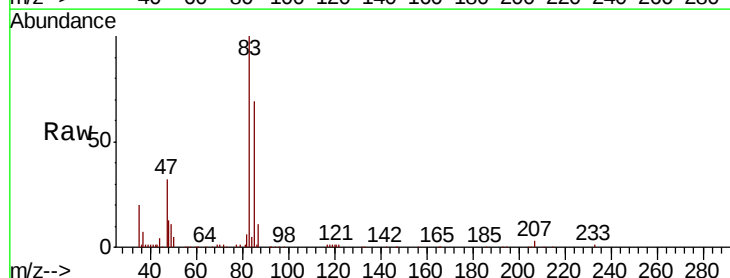
Acq: 9 May 2019 16:50

Tgt Ion: 83 Resp: 120141

Ion Ratio Lower Upper

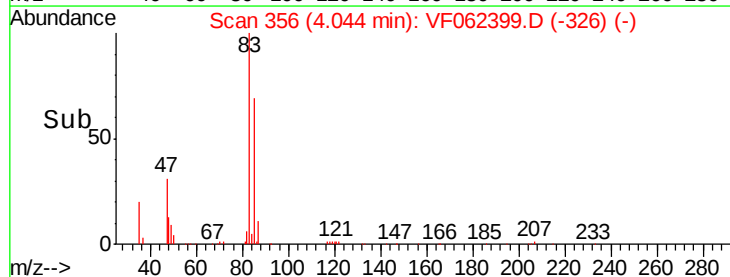
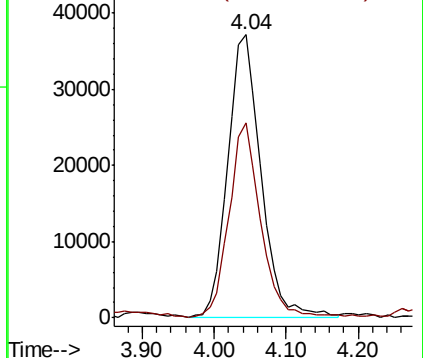
83 100

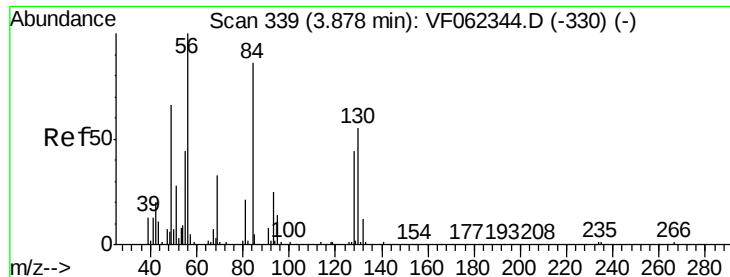
85 68.8 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

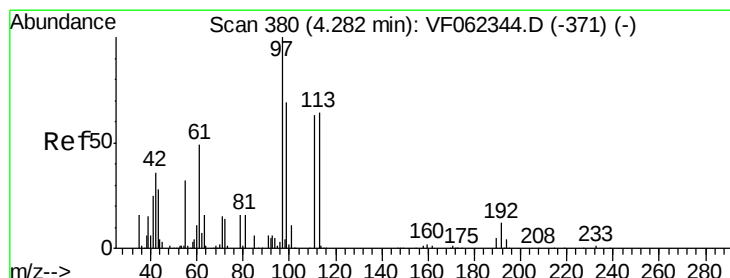
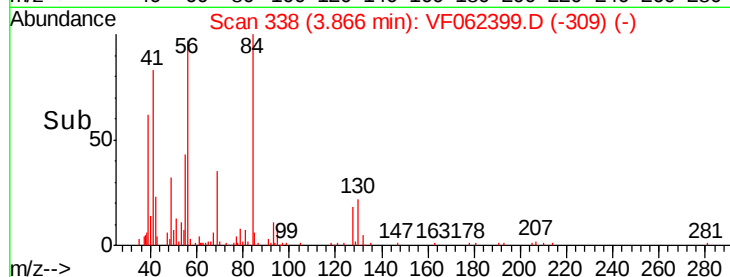
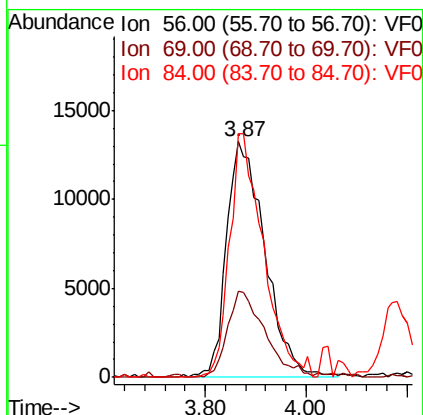
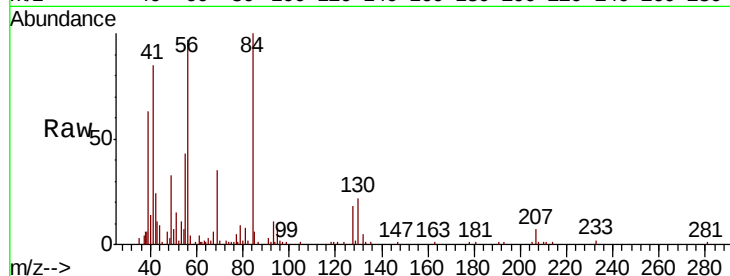




#31
Cyclohexane
Concen: 22.157 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

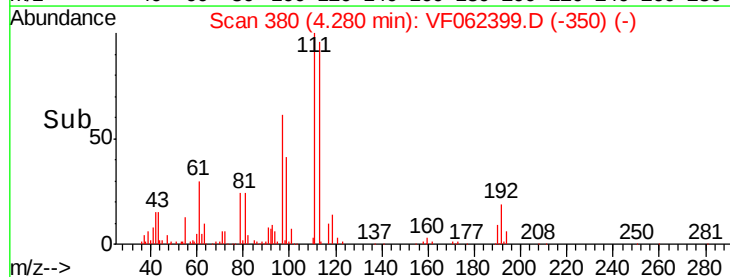
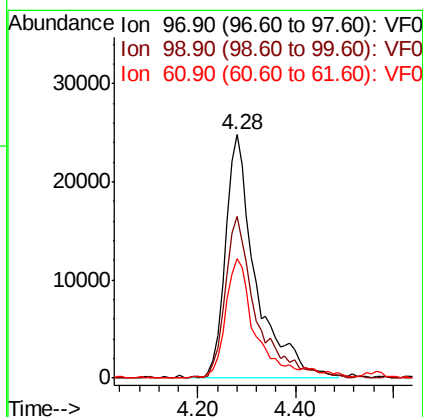
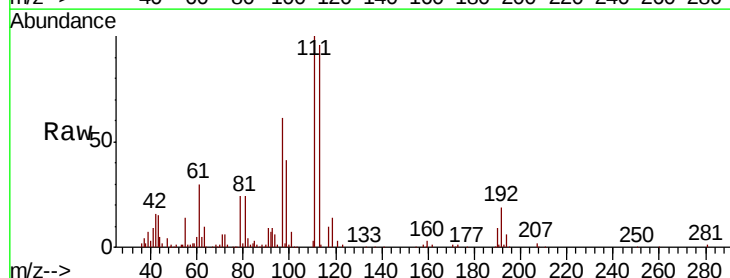
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

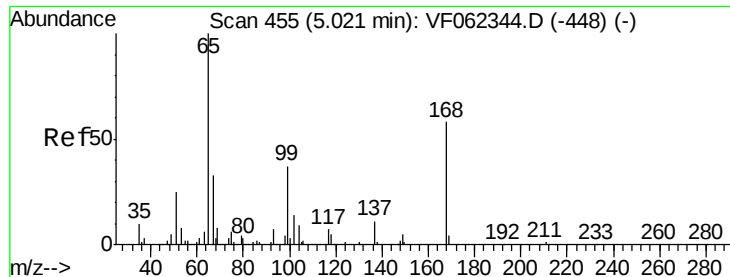
Tgt Ion: 56 Resp: 69770
Ion Ratio Lower Upper
56 100
69 36.5 26.4 39.6
84 103.2 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 23.481 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 97 Resp: 107260
Ion Ratio Lower Upper
97 100
99 67.6 52.6 78.8
61 46.9 39.4 59.0

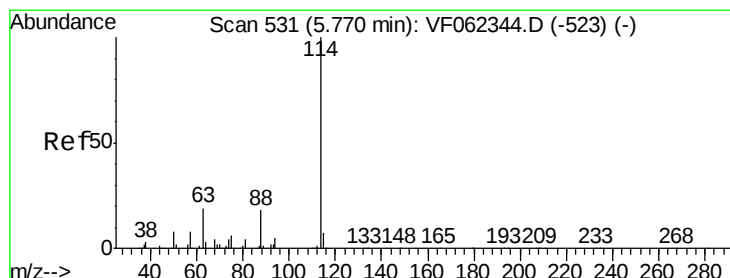
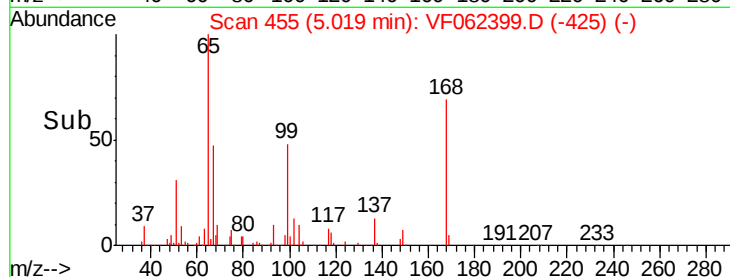
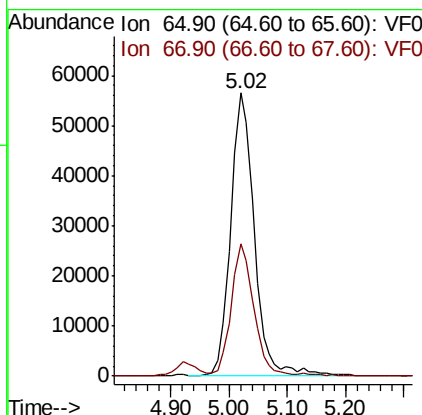
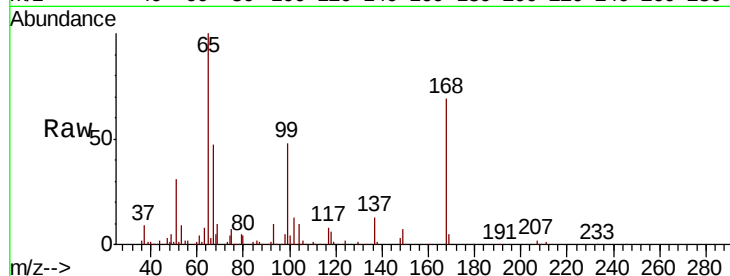




#33
 1,2-Dichloroethane-d4
 Concen: 55.058 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

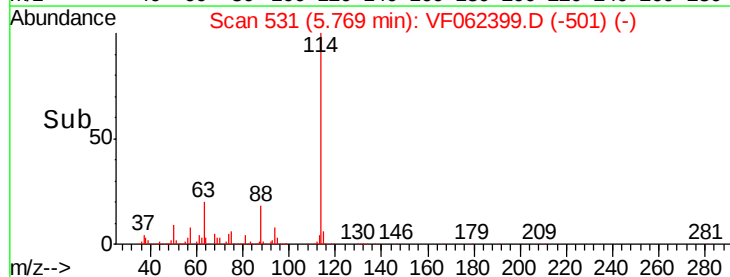
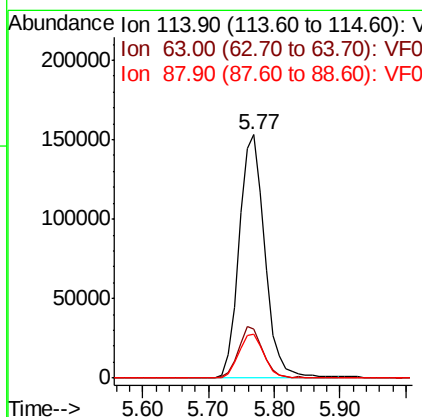
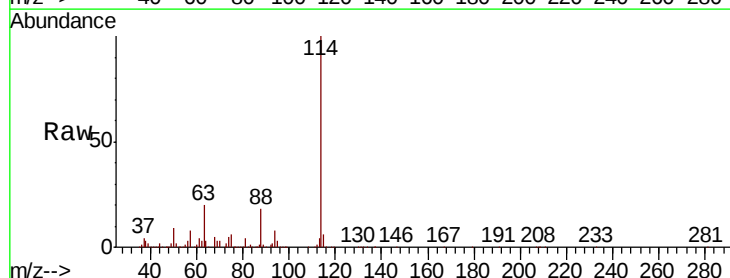
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

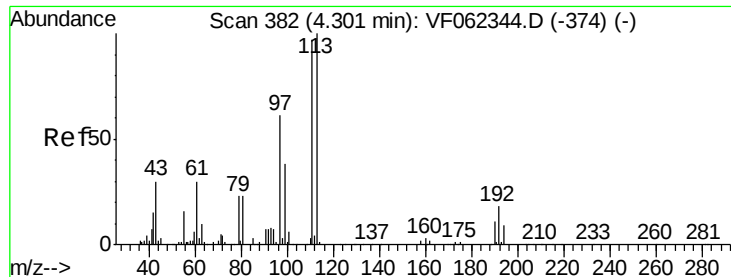
Tgt Ion: 65 Resp: 160457
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion: 114 Resp: 421399
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.4
 88 18.2 0.0 36.4

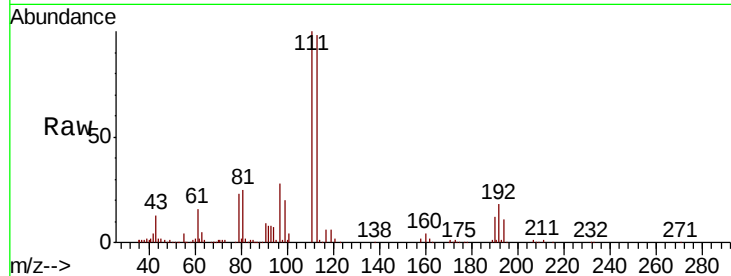




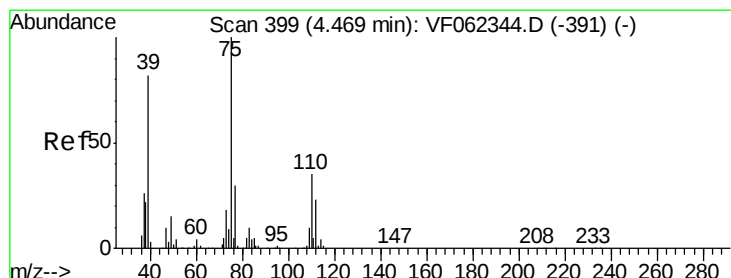
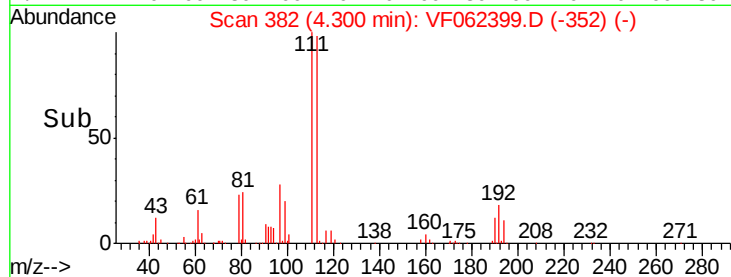
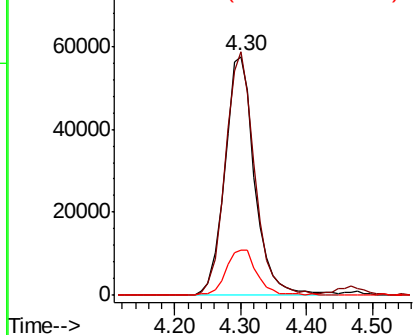
#35
 Dibromofluoromethane
 Concen: 54.327 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	79.4	119.0
192	19.8	16.0	24.0

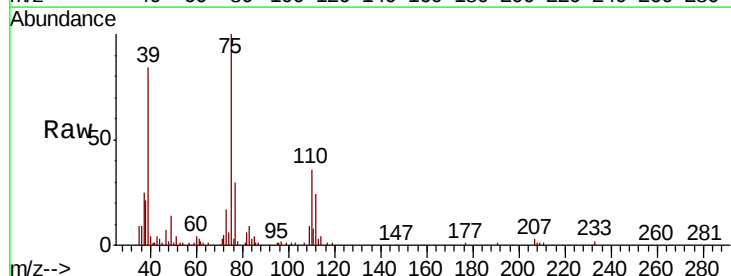


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

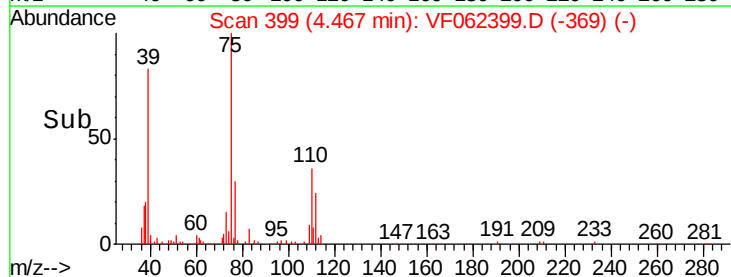
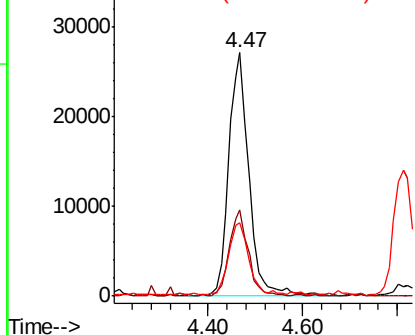


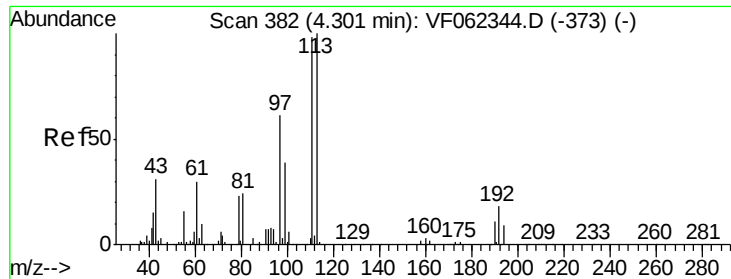
#36
 1,1-Dichloropropene
 Concen: 22.038 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.2	51.5
77	29.0	25.2	37.8



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VF0

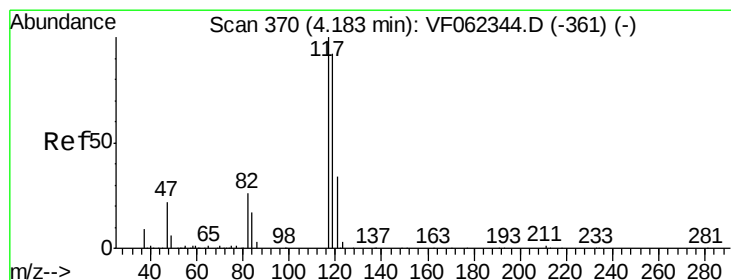
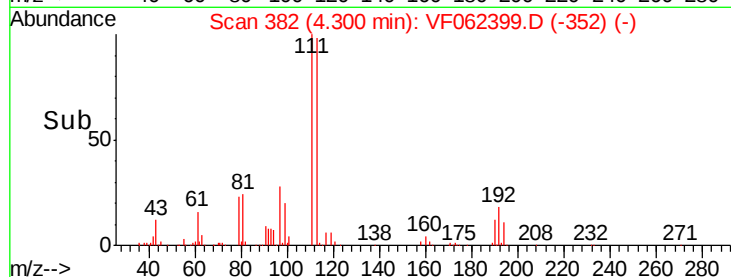
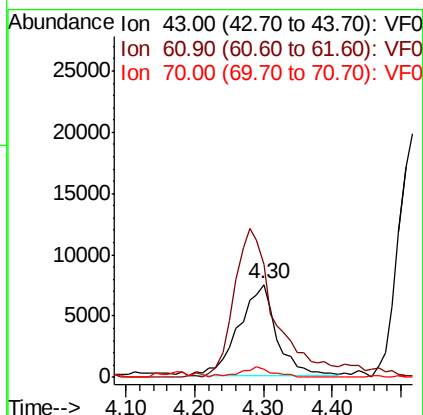
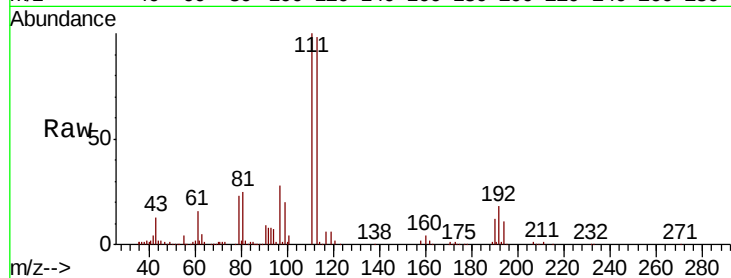




#37
Ethyl Acetate
Concen: 16.369 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

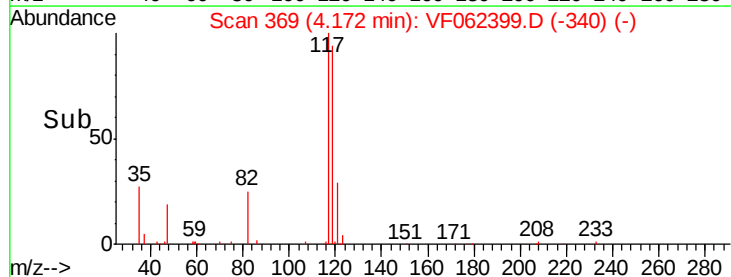
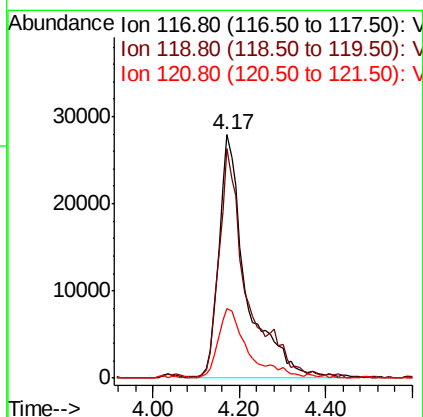
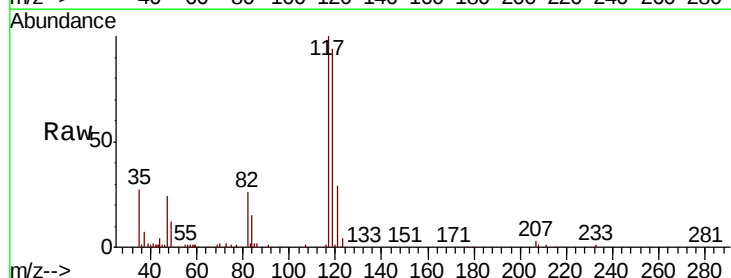
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

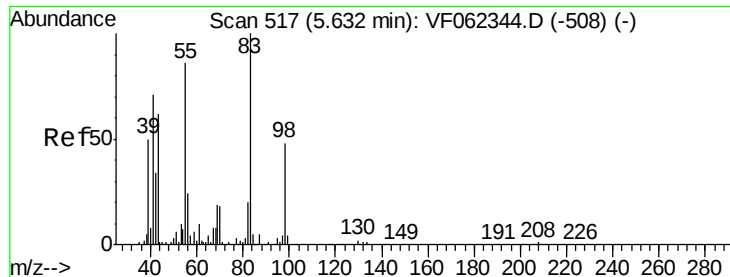
Tgt Ion: 43 Resp: 28070
Ion Ratio Lower Upper
43 100
61 179.3 0.0 0.0#
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 31.737 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 117 Resp: 122978
Ion Ratio Lower Upper
117 100
119 93.5 73.4 110.2
121 28.6 27.4 41.0

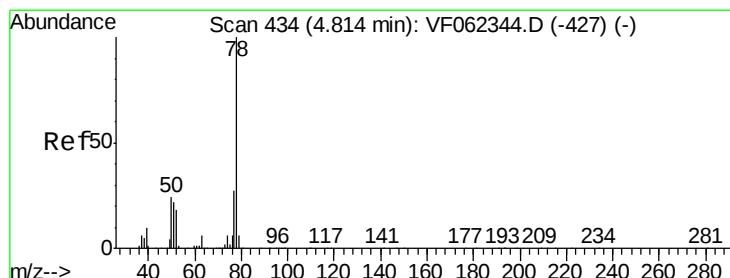
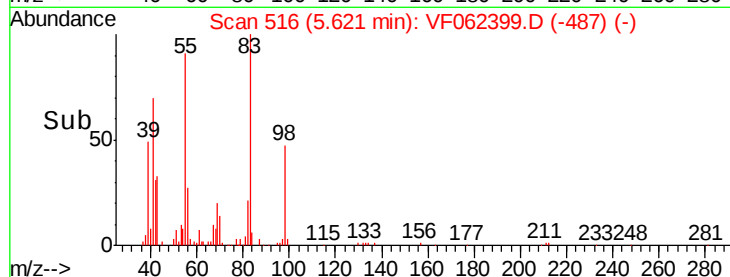
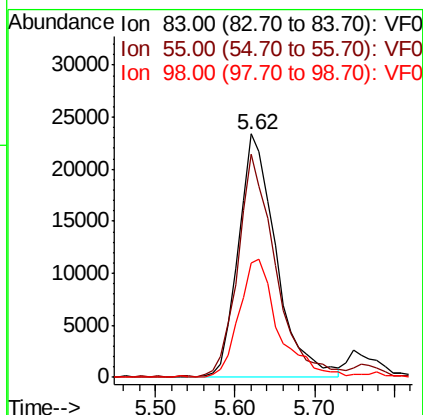
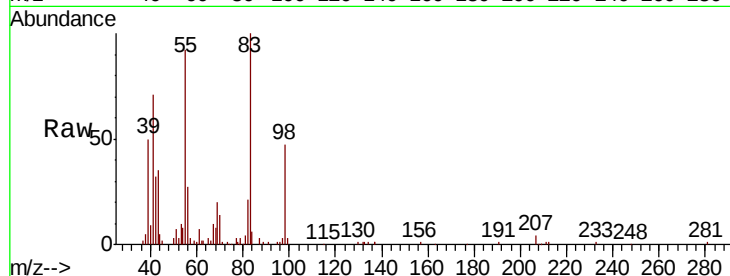




#39
Methylcyclohexane
Concen: 21.167 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

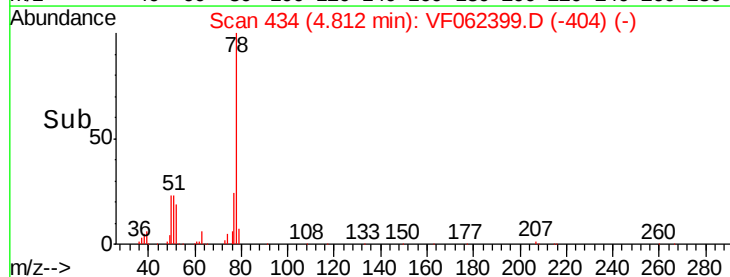
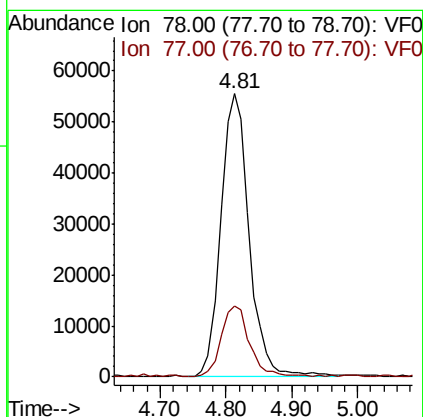
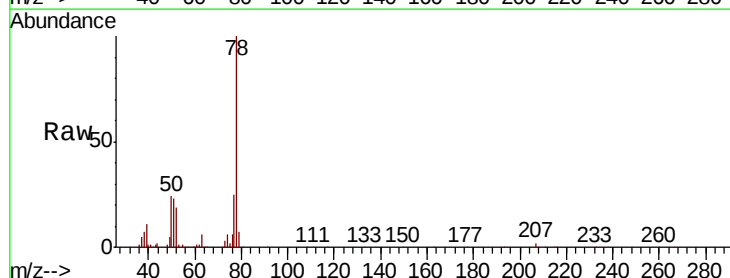
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

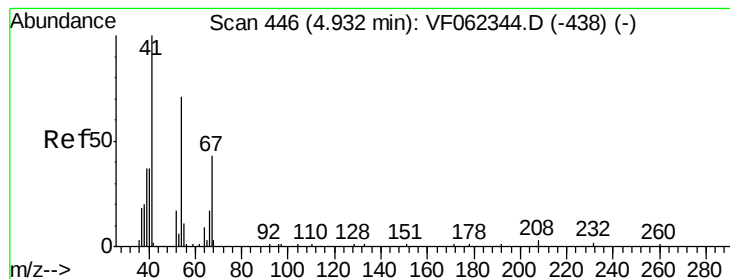
Tgt Ion: 83 Resp: 76848
Ion Ratio Lower Upper
83 100
55 91.0 69.0 103.6
98 47.0 38.6 58.0



#40
Benzene
Concen: 20.609 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 78 Resp: 164281
Ion Ratio Lower Upper
78 100
77 24.9 21.6 32.4





#41

Methacrylonitrile

Concen: 16.483 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tgt Ion: 41 Resp: 14307

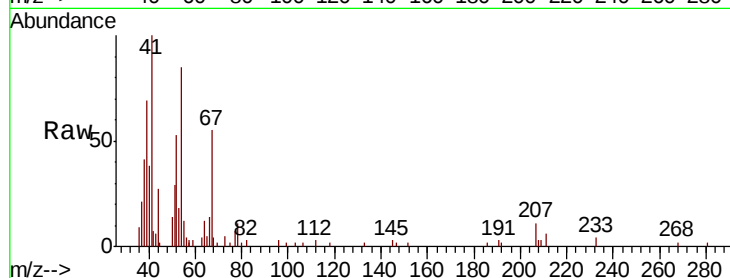
Ion Ratio Lower Upper

41 100

39 82.6 54.3 81.5#

67 54.7 37.8 56.8

52 80.5 58.2 87.4

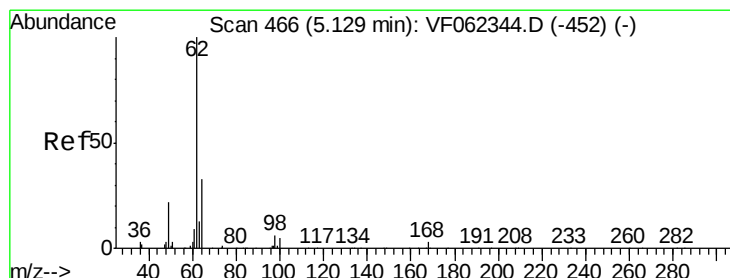
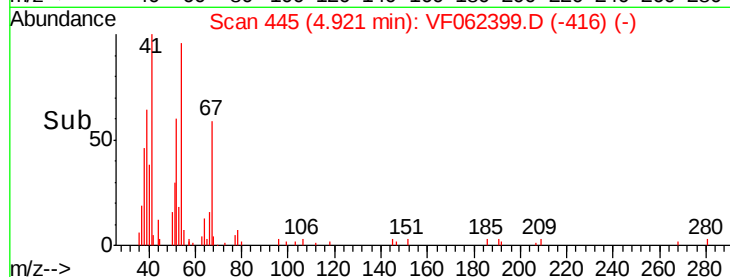
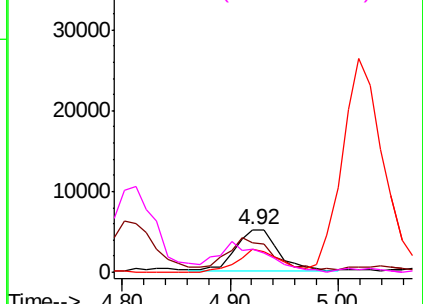


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.695 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF062399.D

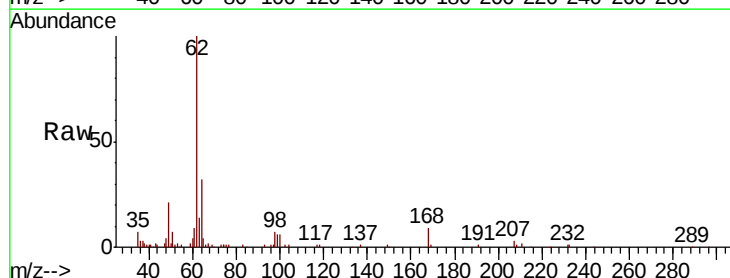
Acq: 9 May 2019 16:50

Tgt Ion: 62 Resp: 68995

Ion Ratio Lower Upper

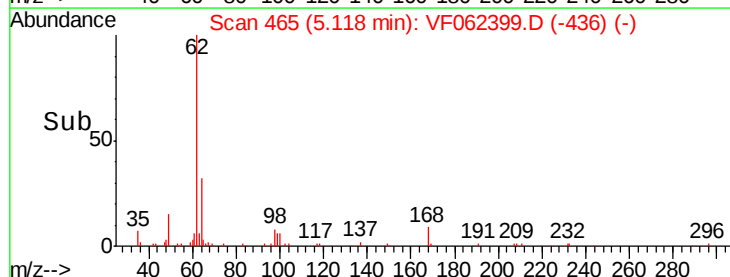
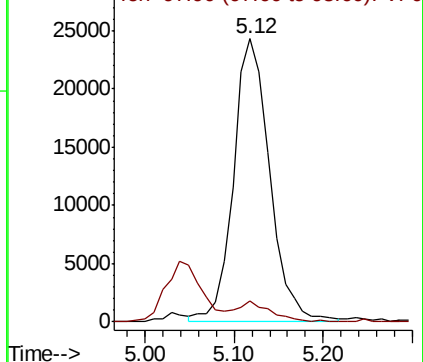
62 100

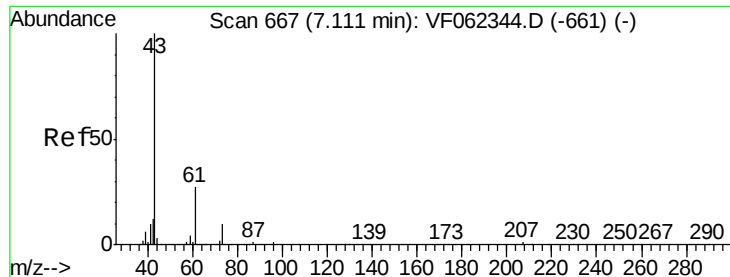
98 6.8 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



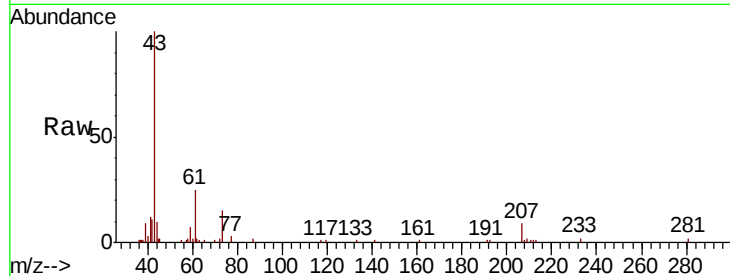


#43

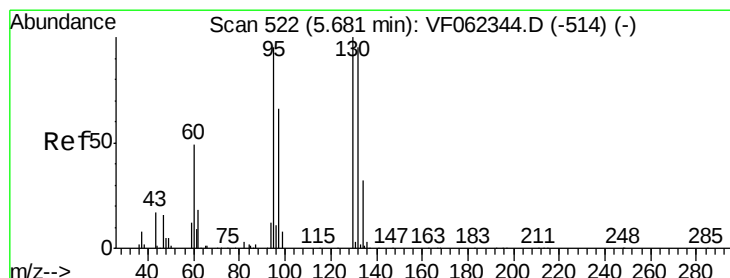
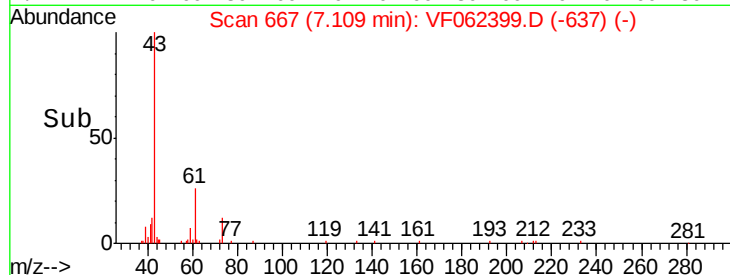
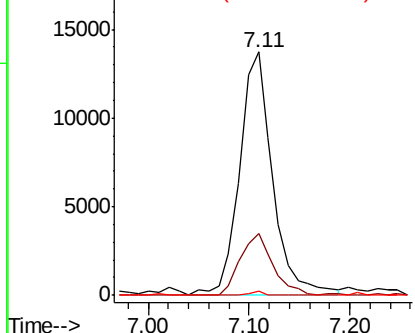
Isopropyl Acetate
 Concen: 19.069 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Tgt Ion: 43 Resp: 31398
 Ion Ratio Lower Upper
 43 100
 61 25.1 22.8 34.2
 87 0.7 0.6 1.0



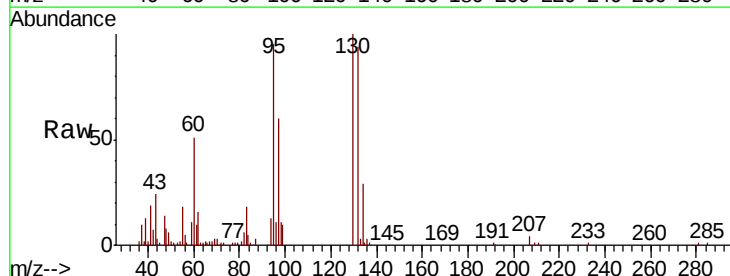
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



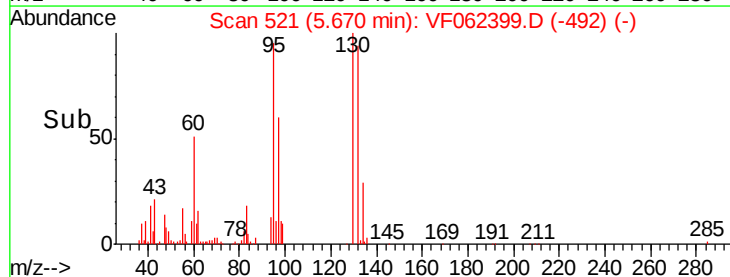
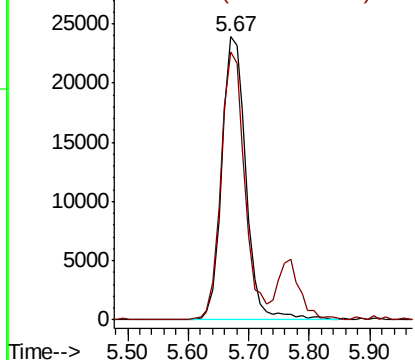
#44

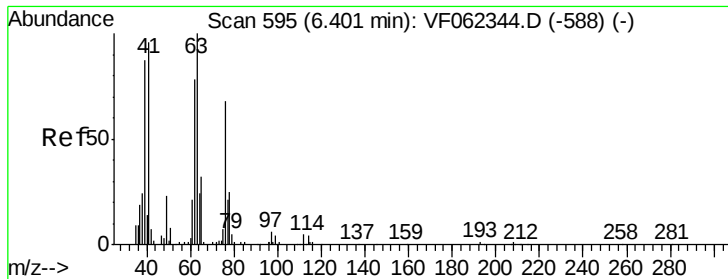
Trichloroethene
 Concen: 22.467 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion: 130 Resp: 65788
 Ion Ratio Lower Upper
 130 100
 95 94.8 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.363 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

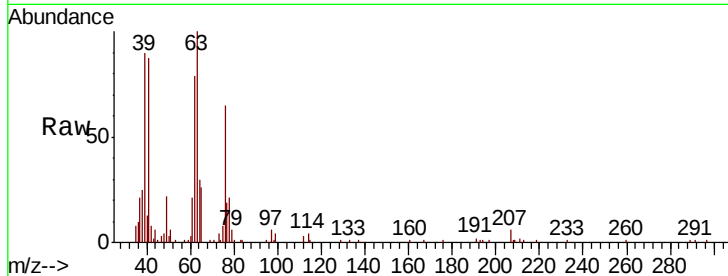
VF0509SBSD01

Tgt Ion: 63 Resp: 38572

Ion Ratio Lower Upper

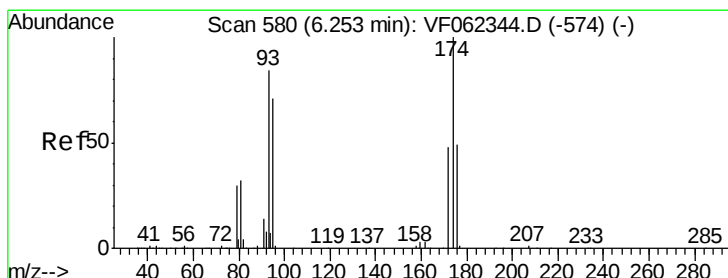
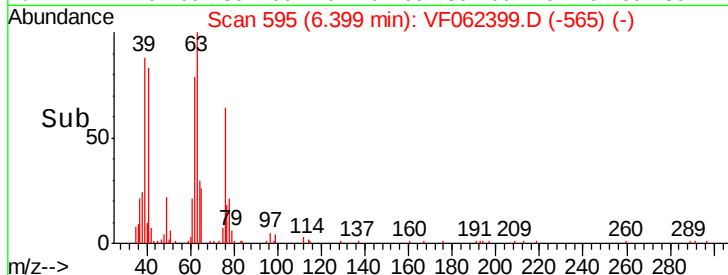
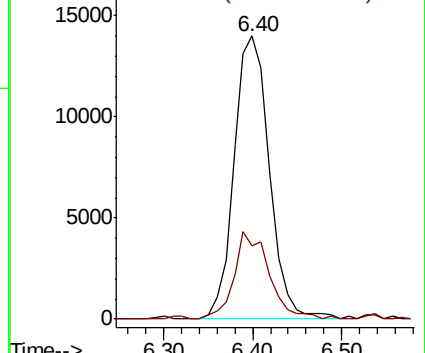
63 100

65 25.9 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 21.950 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

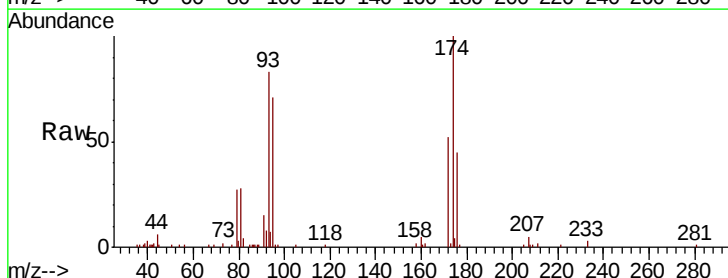
Tgt Ion: 93 Resp: 32860

Ion Ratio Lower Upper

93 100

95 80.1 68.4 102.6

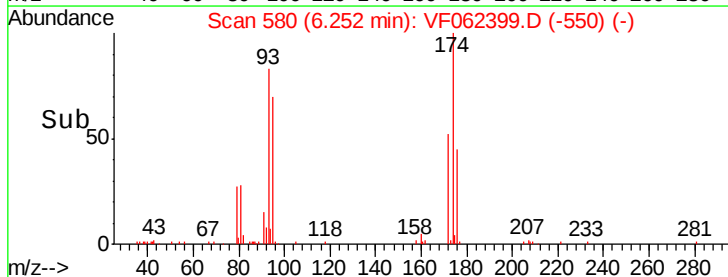
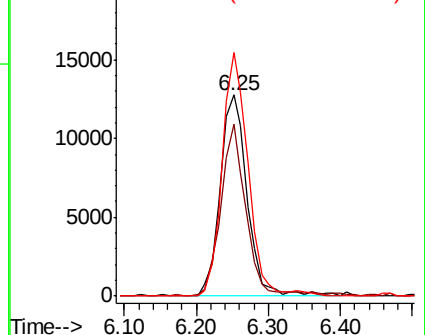
174 114.8 99.6 149.4

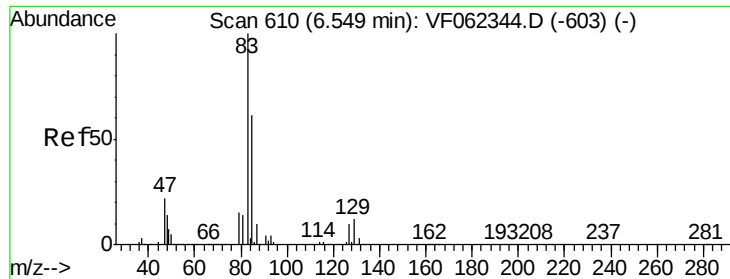


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.736 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

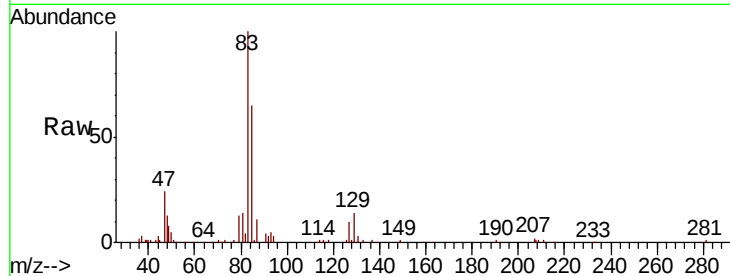
Tgt Ion: 83 Resp: 77612

Ion Ratio Lower Upper

83 100

85 64.9 49.1 73.7

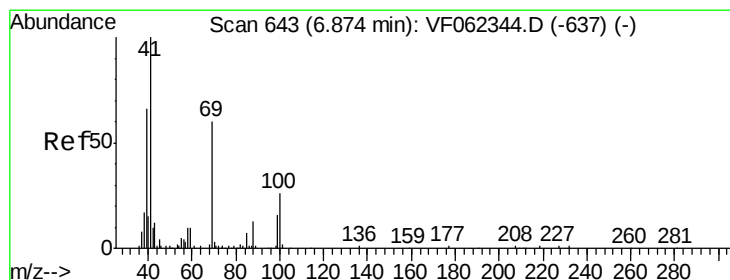
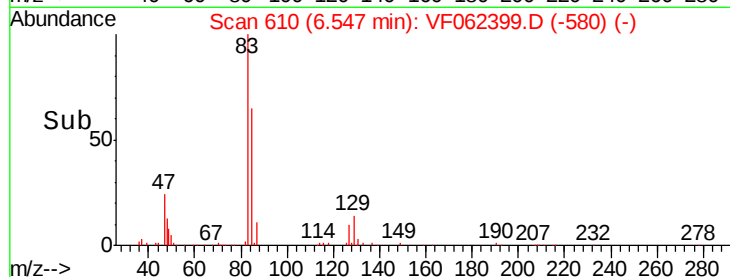
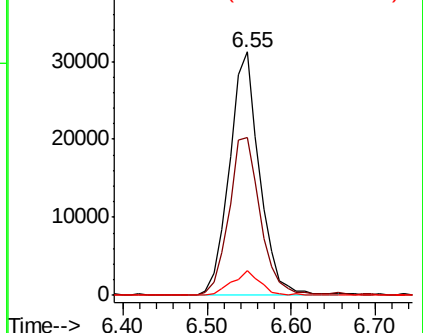
127 10.0 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.879 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

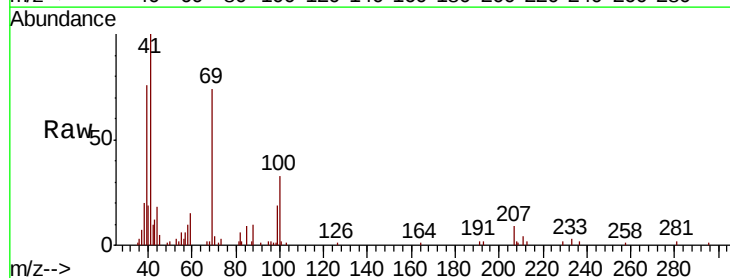
Tgt Ion: 41 Resp: 23131

Ion Ratio Lower Upper

41 100

69 66.5 48.6 72.8

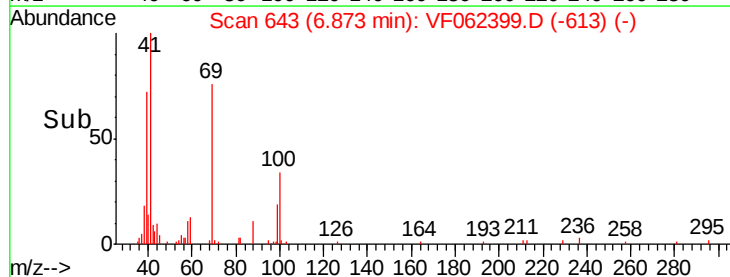
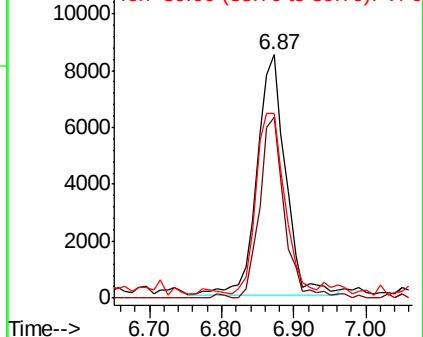
39 76.2 56.1 84.1

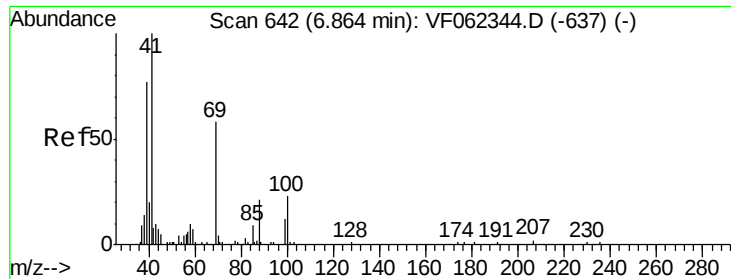


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

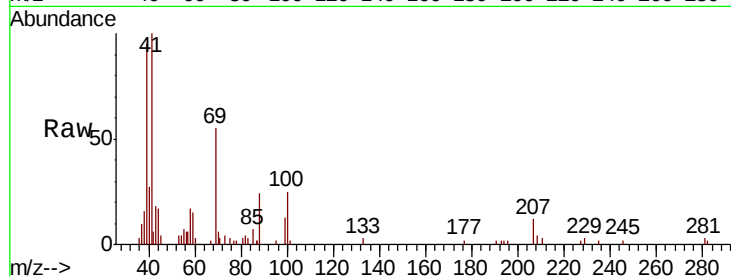




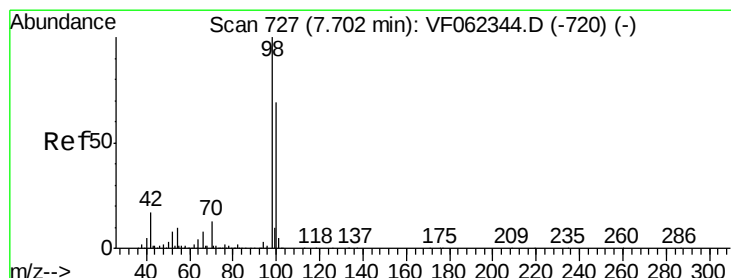
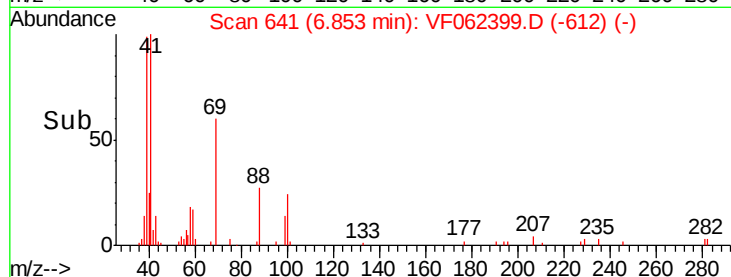
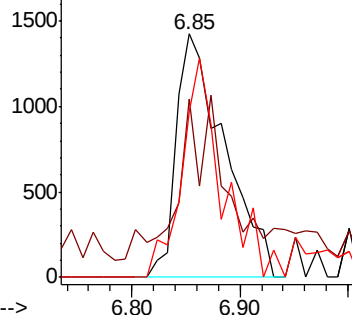
#49
1,4-Dioxane
Concen: 361.497 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tgt Ion: 88 Resp: 4426
Ion Ratio Lower Upper
88 100
43 67.0 55.6 83.4
58 75.3 52.8 79.2

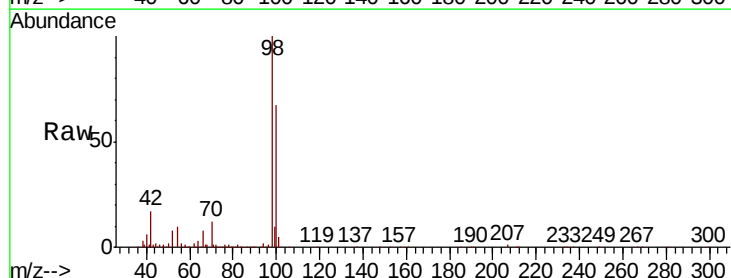


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

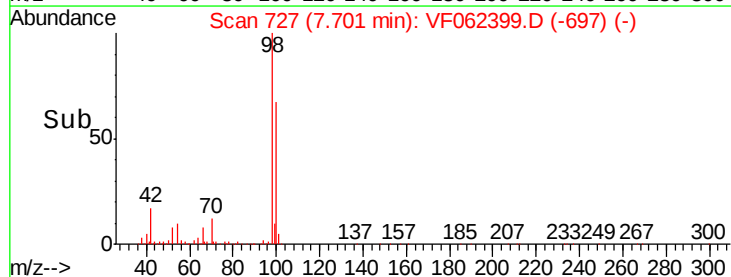
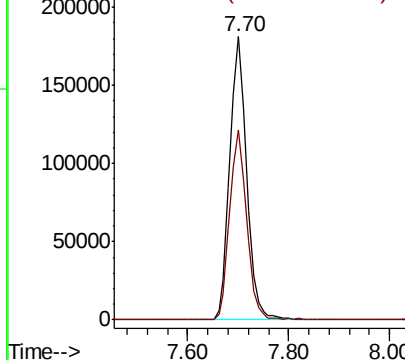


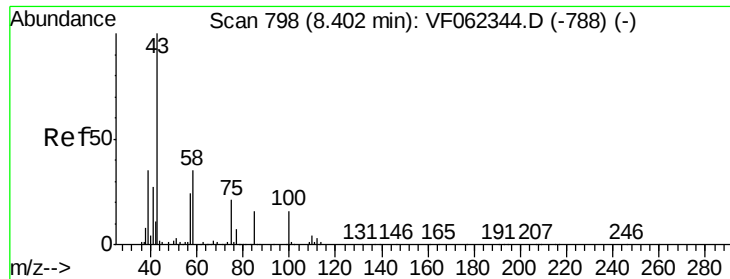
#50
Toluene-d8
Concen: 51.390 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 98 Resp: 417626
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

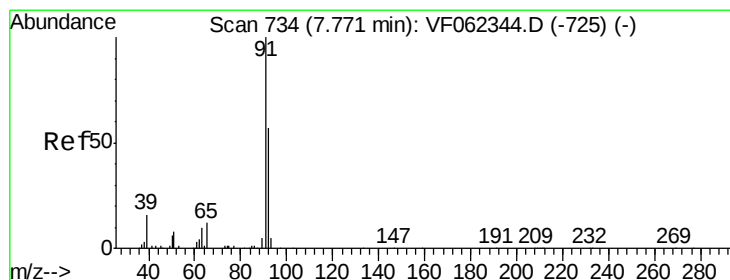
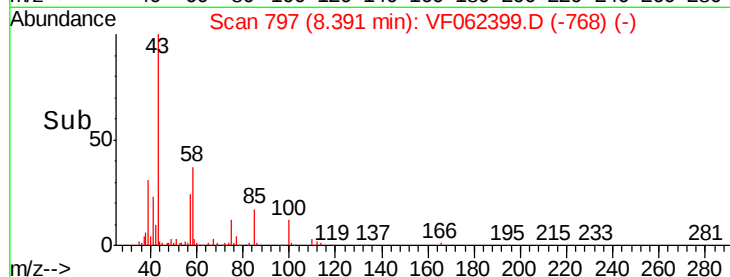
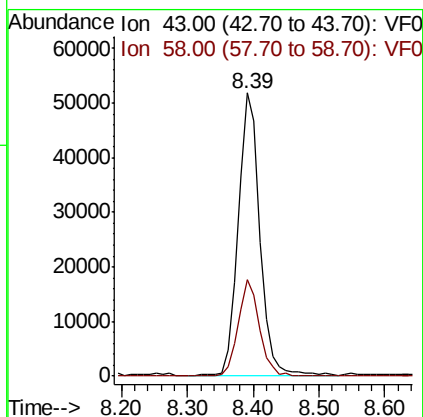
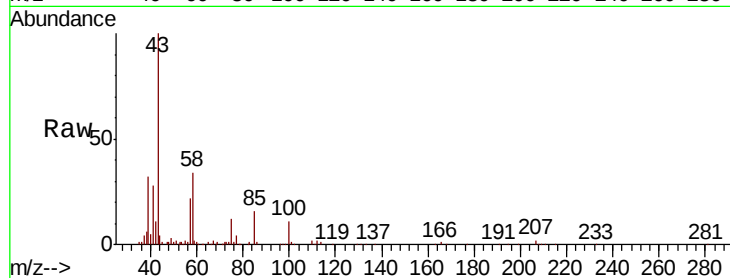




#51
 4-Methyl-2-Pentanone
 Concen: 95.854 ug/l
 RT: 8.39 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

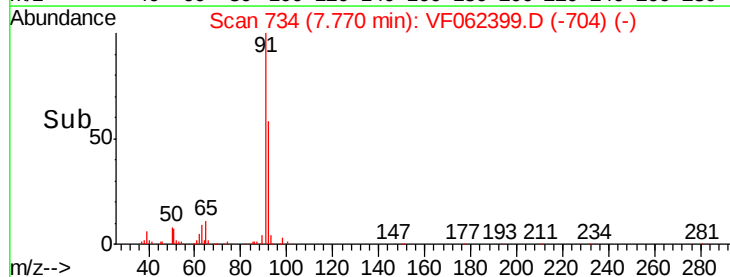
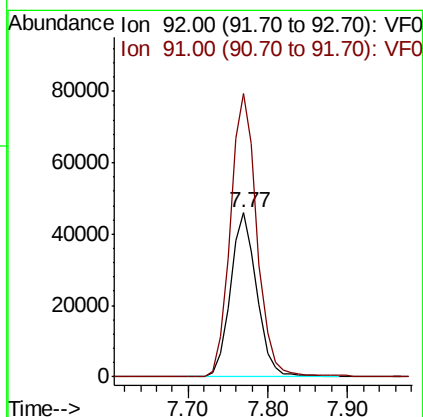
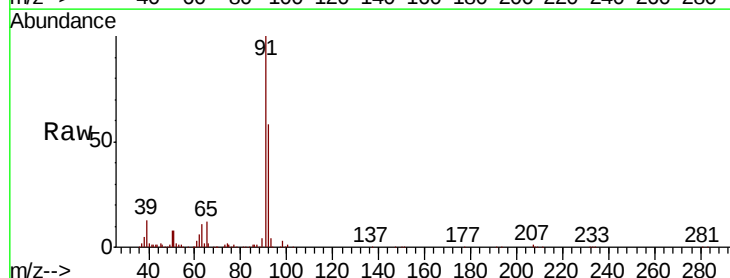
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

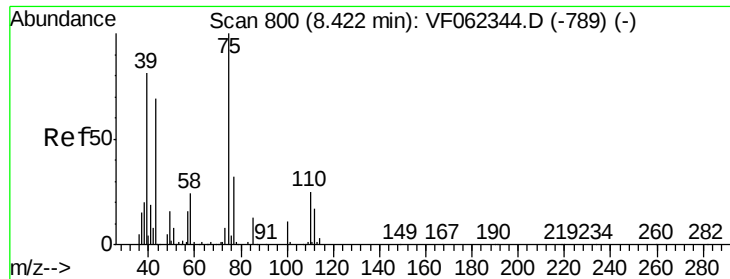
Tgt Ion: 43 Resp: 119593
 Ion Ratio Lower Upper
 43 100
 58 33.5 27.8 41.6



#52
 Toluene
 Concen: 21.689 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion: 92 Resp: 106661
 Ion Ratio Lower Upper
 92 100
 91 173.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.126 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

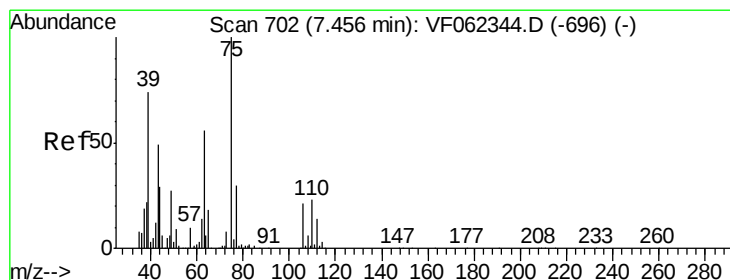
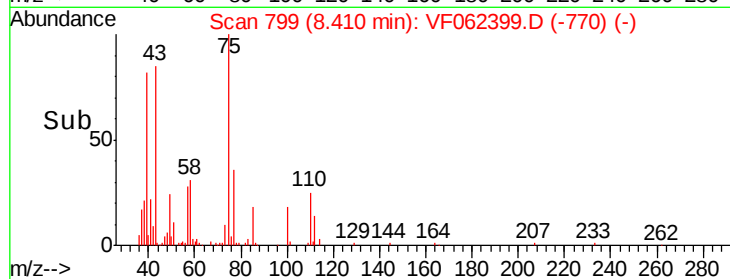
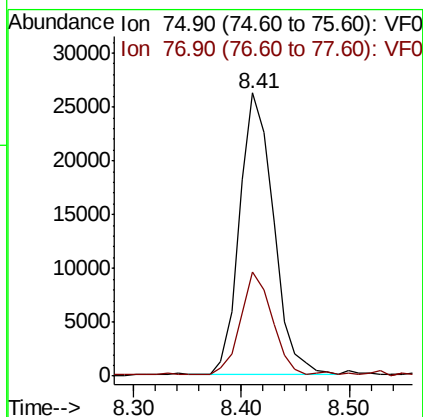
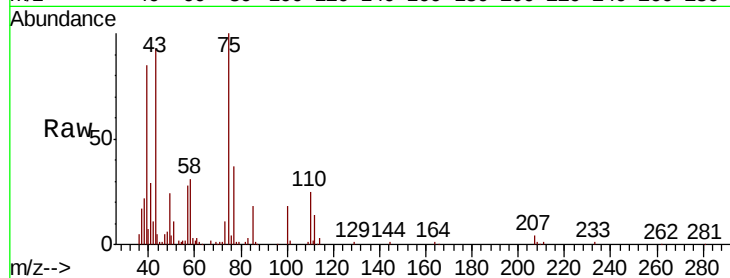
VF0509SBSD01

Tgt Ion: 75 Resp: 56973

Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 21.758 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

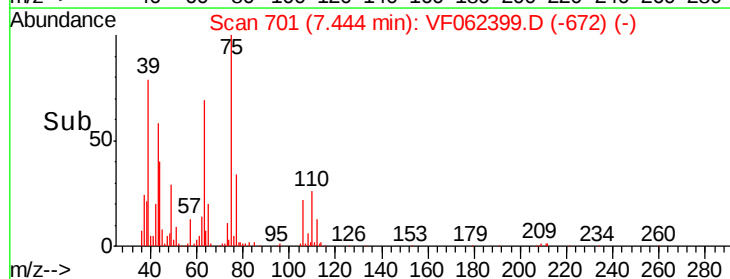
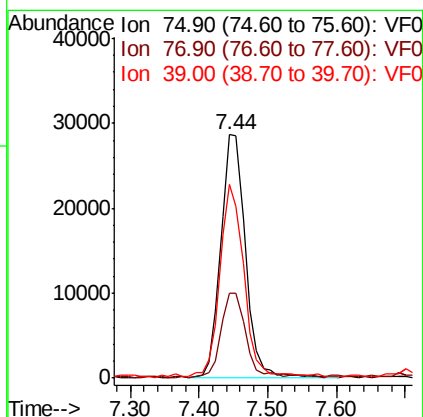
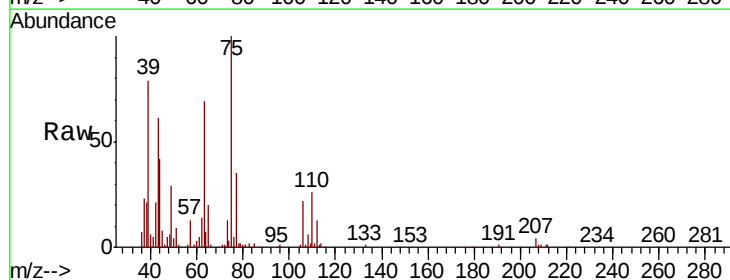
Tgt Ion: 75 Resp: 71683

Ion Ratio Lower Upper

75 100

77 34.7 24.0 36.0

39 78.9 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 20.844 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tgt Ion: 97 Resp: 32539

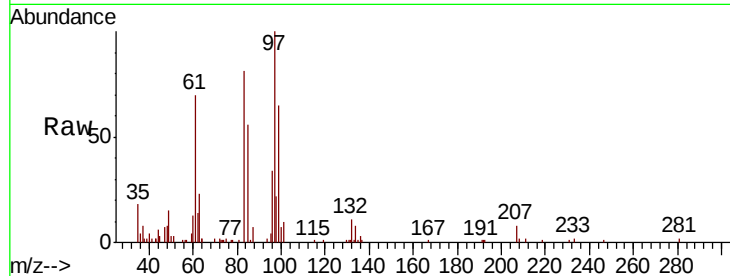
Ion Ratio Lower Upper

97 100

83 80.6 68.5 102.7

85 56.1 45.4 68.2

99 65.0 52.7 79.1

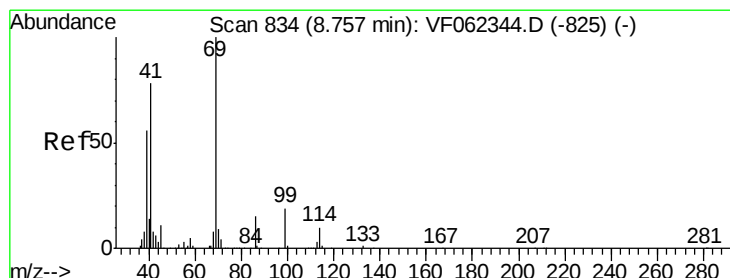
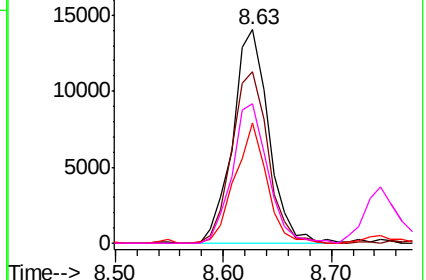
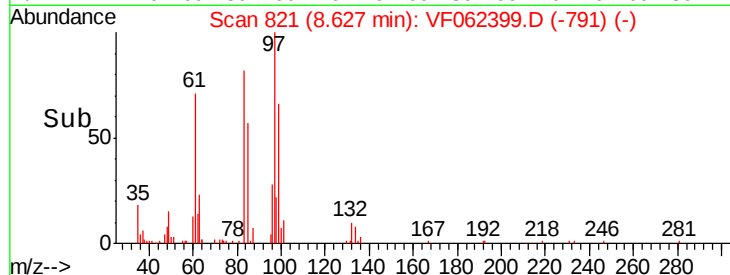


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 18.326 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

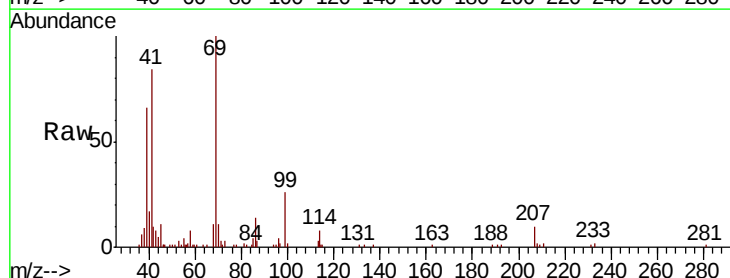
Tgt Ion: 69 Resp: 30200

Ion Ratio Lower Upper

69 100

41 89.5 66.3 99.5

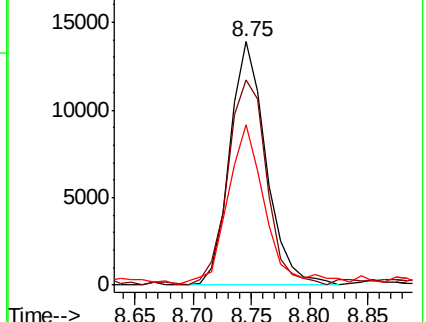
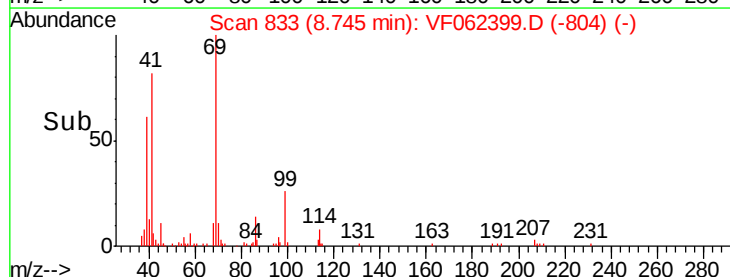
39 68.2 50.1 75.1

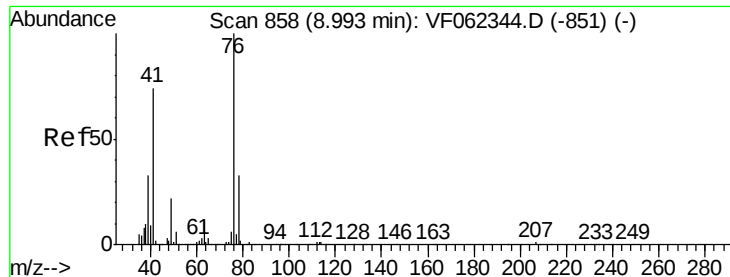


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

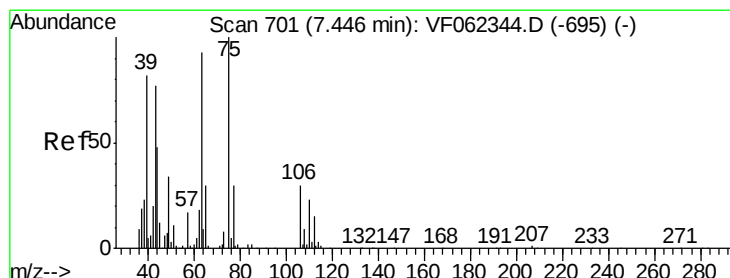
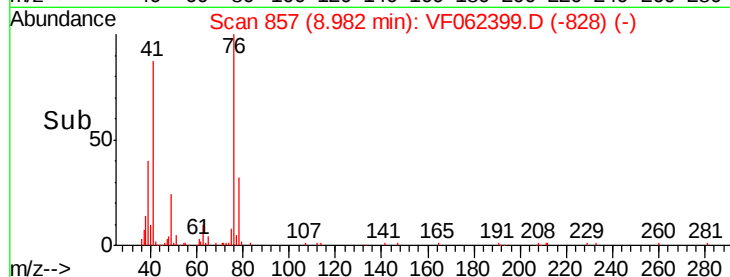
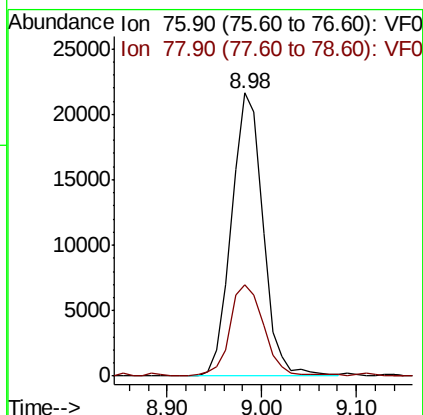
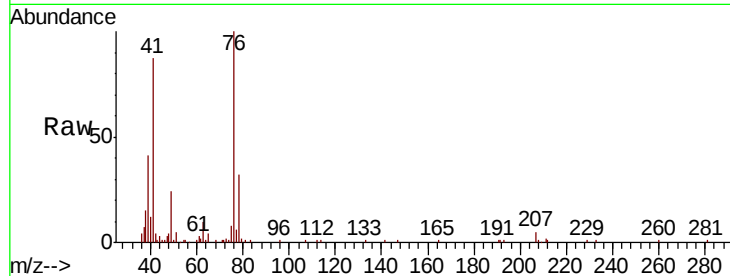




#57
 1,3-Dichloropropane
 Concen: 21.189 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

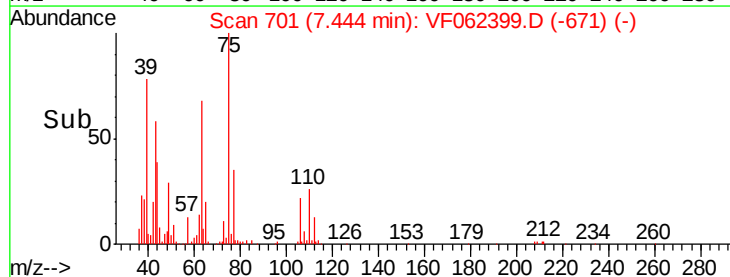
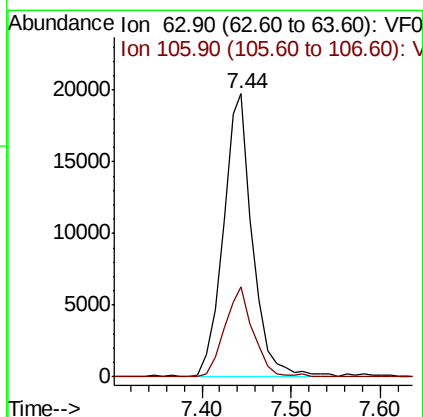
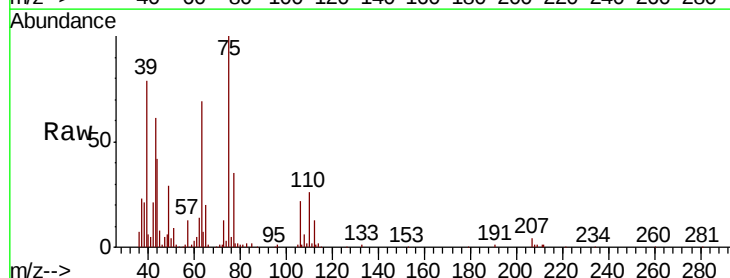
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

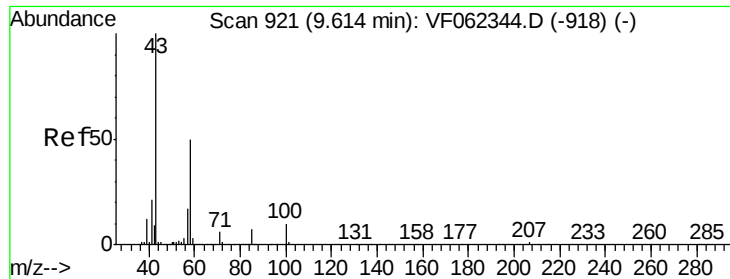
Tgt Ion: 76 Resp: 49964
 Ion Ratio Lower Upper
 76 100
 78 35.2 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.088 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion: 63 Resp: 45128
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.8 38.8

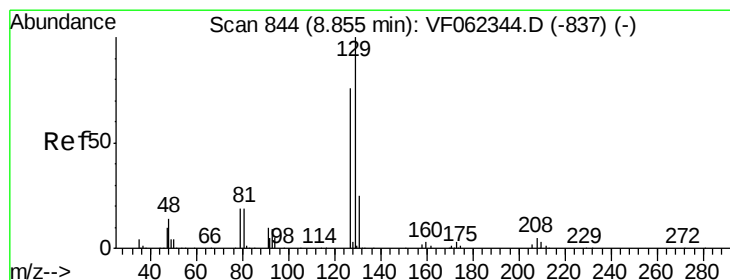
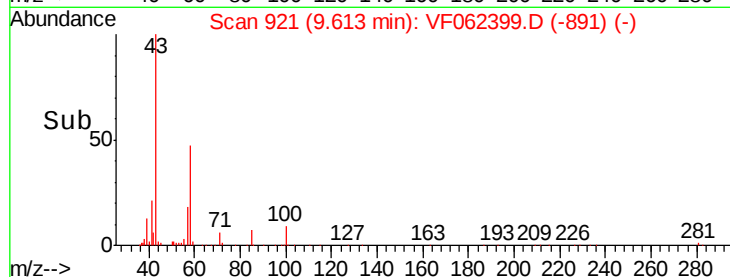
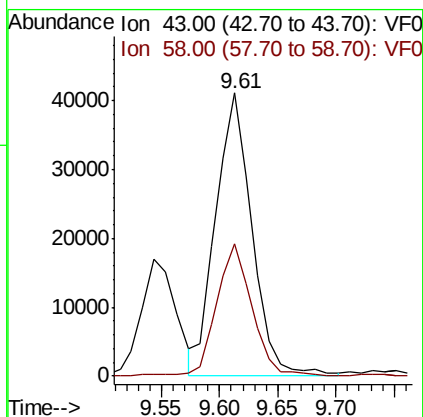
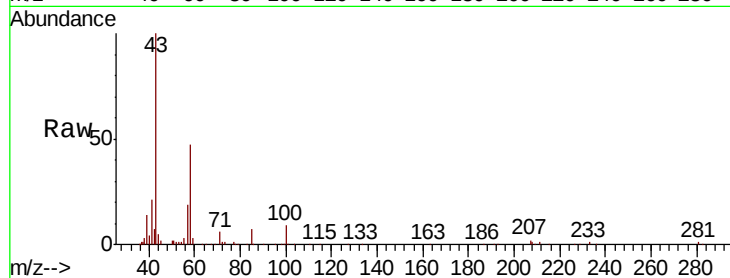




#59
2-Hexanone
Concen: 101.690 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

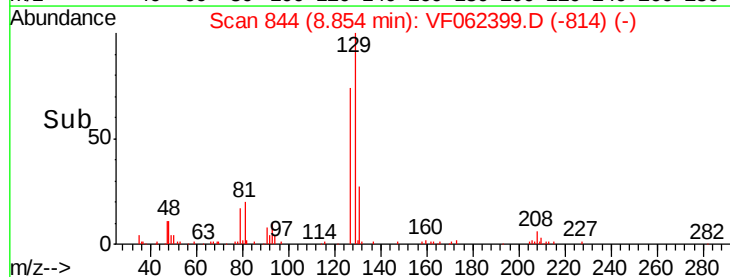
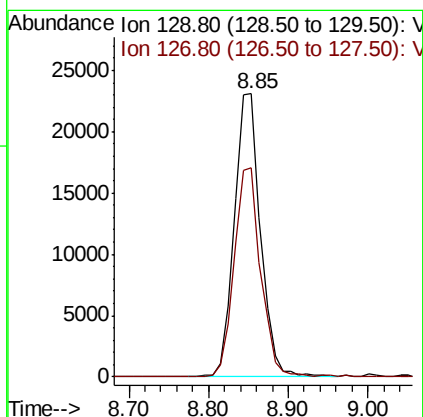
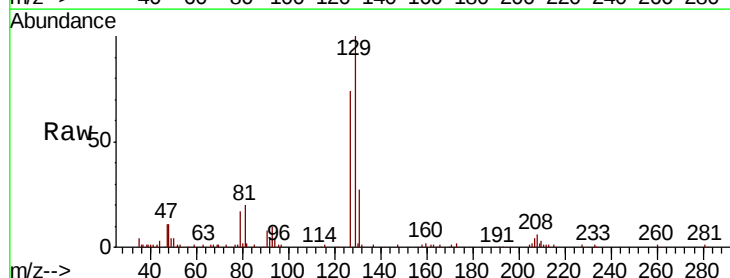
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

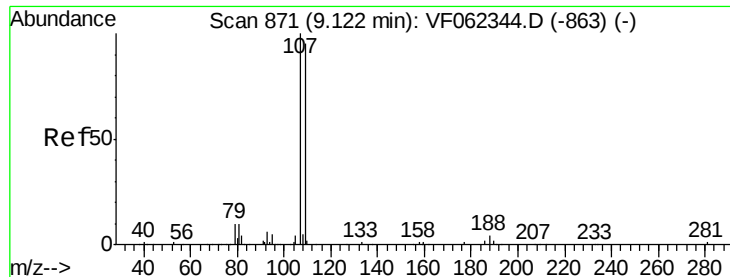
Tgt Ion: 43 Resp: 87746
Ion Ratio Lower Upper
43 100
58 45.9 24.3 73.0



#60
Dibromochloromethane
Concen: 20.726 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 129 Resp: 52918
Ion Ratio Lower Upper
129 100
127 74.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.243 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

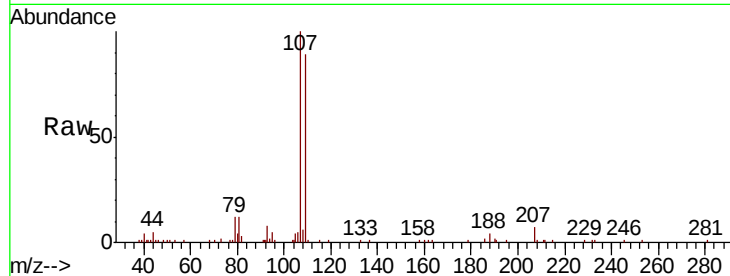
VF0509SBSD01

Tgt Ion: 107 Resp: 37141

Ion Ratio Lower Upper

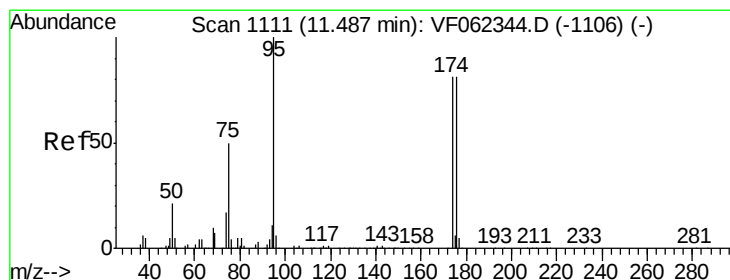
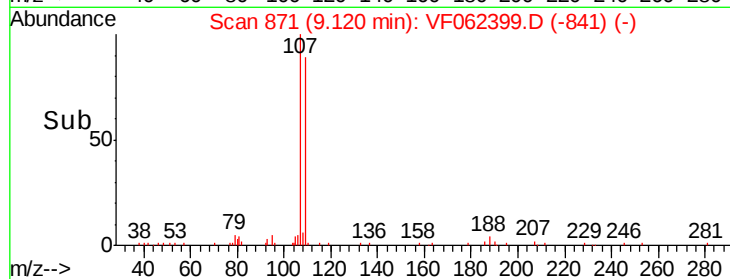
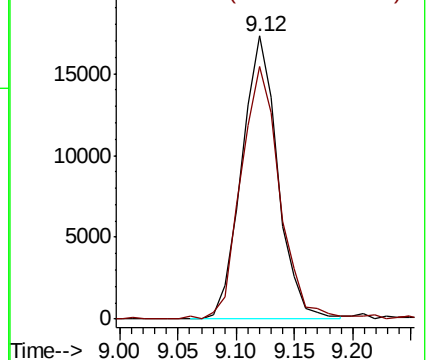
107 100

109 96.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.157 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

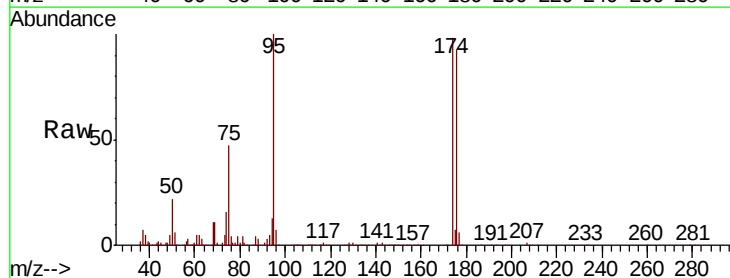
Tgt Ion: 95 Resp: 194896

Ion Ratio Lower Upper

95 100

174 98.6 0.0 191.8

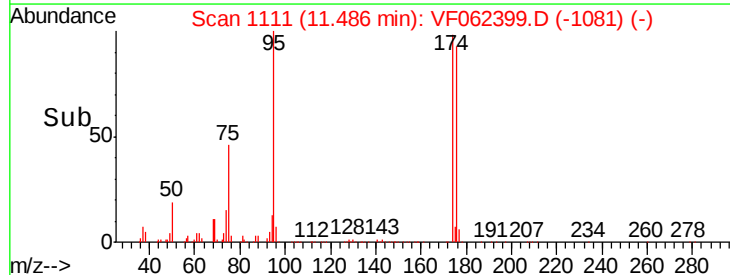
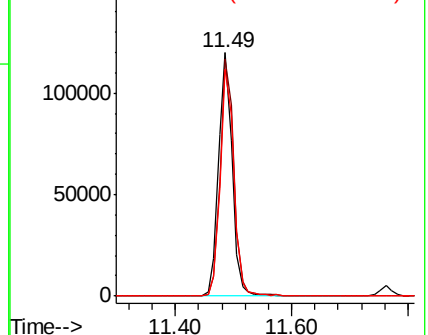
176 94.4 0.0 193.2

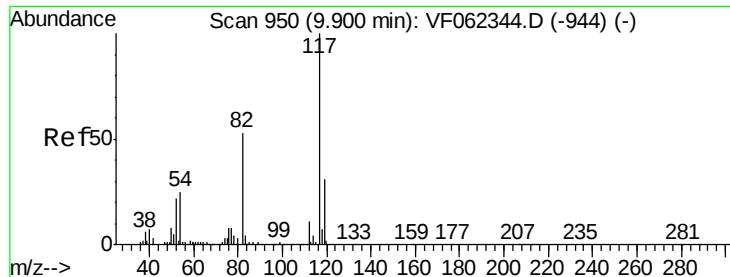


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

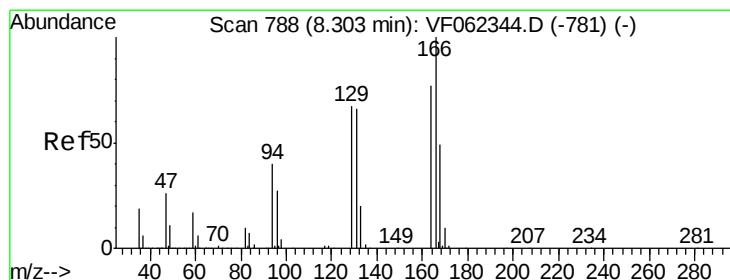
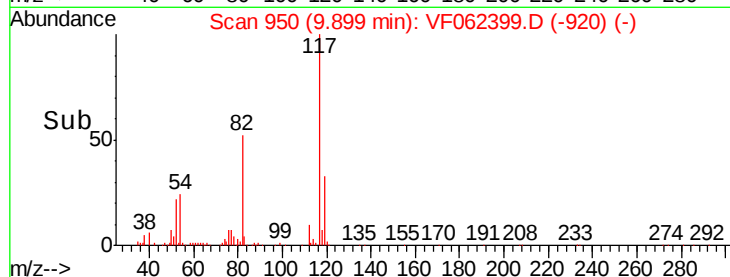
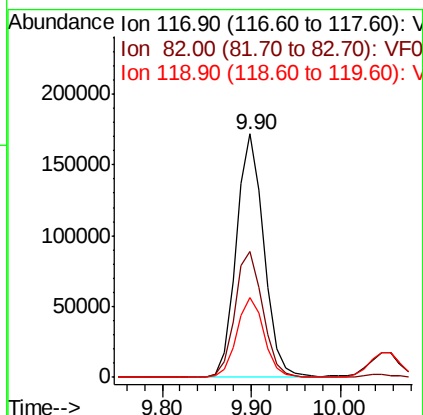
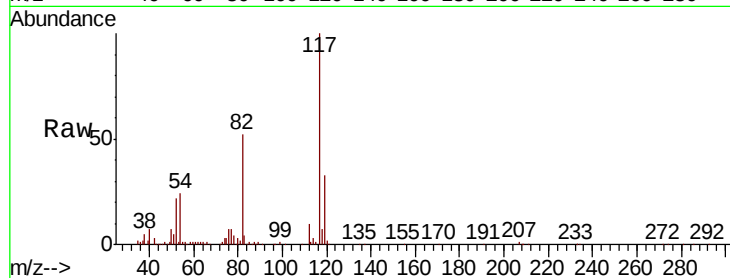




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

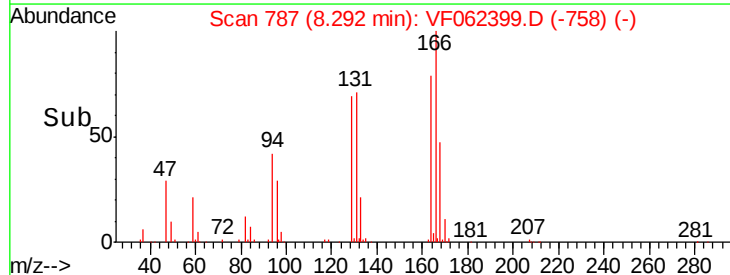
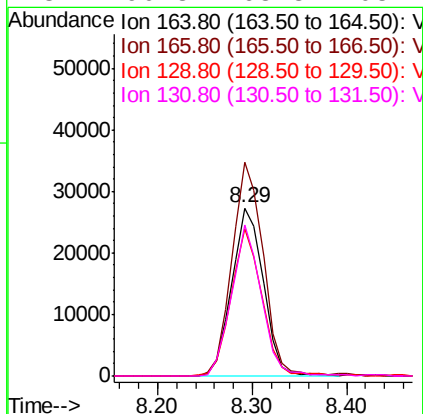
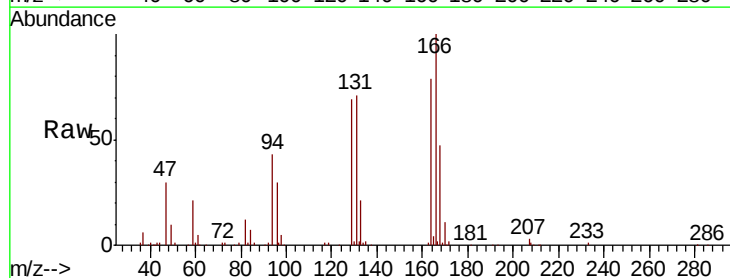
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

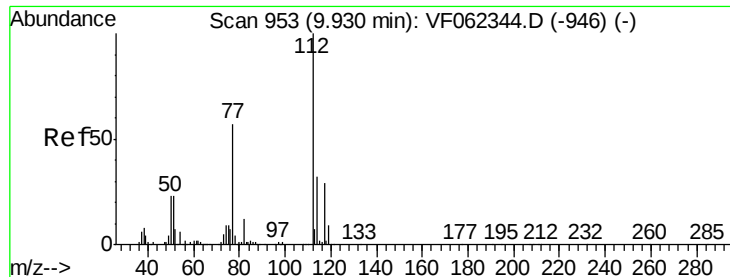
Tgt Ion:117 Resp: 371312
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.2
119 32.9 25.0 37.4



#64
Tetrachloroethene
Concen: 20.913 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion:164 Resp: 63042
Ion Ratio Lower Upper
164 100
166 127.4 104.2 156.4
129 87.6 69.6 104.4
131 90.3 68.8 103.2

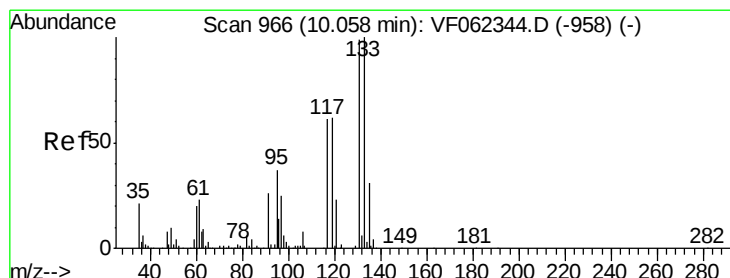
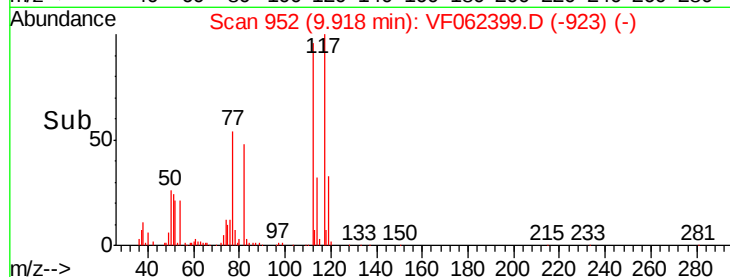
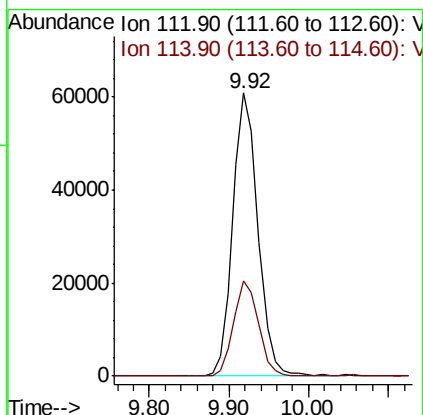
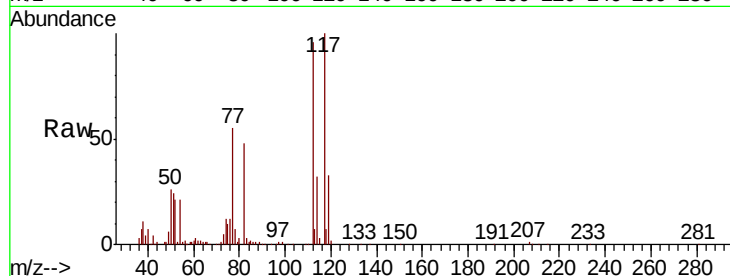




#65
Chlorobenzene
Concen: 21.917 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

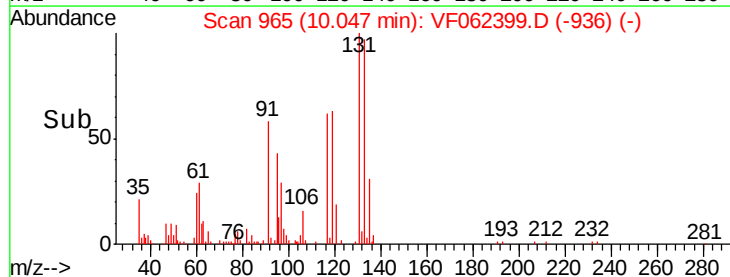
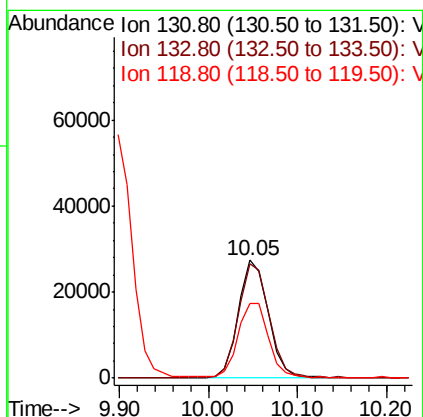
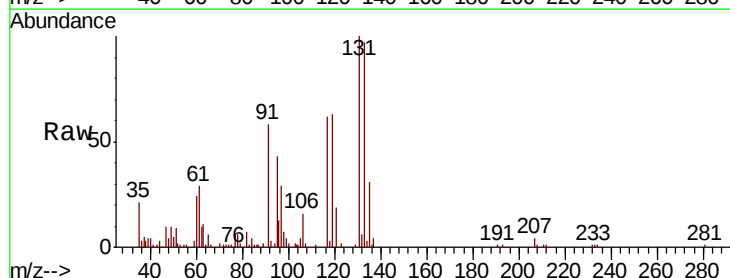
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

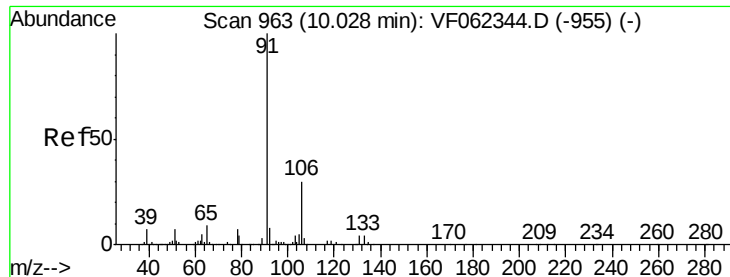
Tgt Ion:112 Resp: 134651
Ion Ratio Lower Upper
112 100
114 33.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.670 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion:131 Resp: 64061
Ion Ratio Lower Upper
131 100
133 99.9 50.2 150.7
119 64.8 31.6 95.0





#67

Ethyl Benzene

Concen: 21.031 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

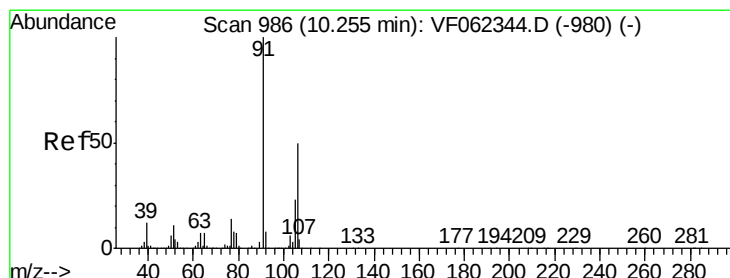
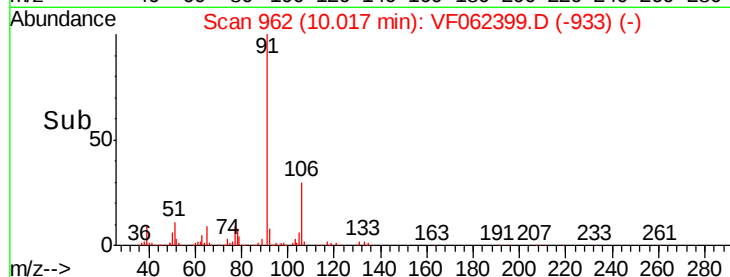
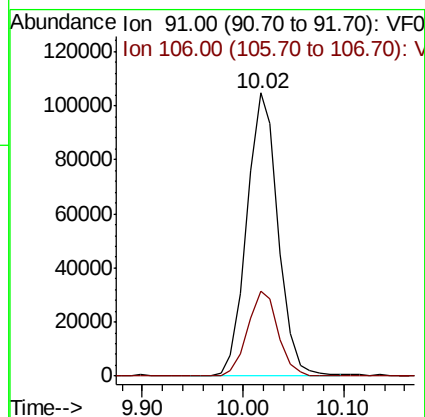
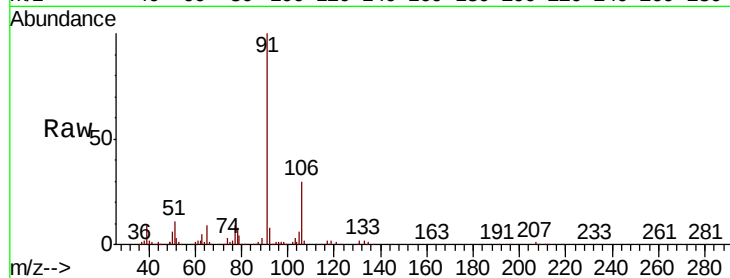
VF0509SBSD01

Tgt Ion: 91 Resp: 226255

Ion Ratio Lower Upper

91 100

106 29.8 24.1 36.1



#68

m/p-Xylenes

Concen: 42.834 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.01 min

Lab File: VF062399.D

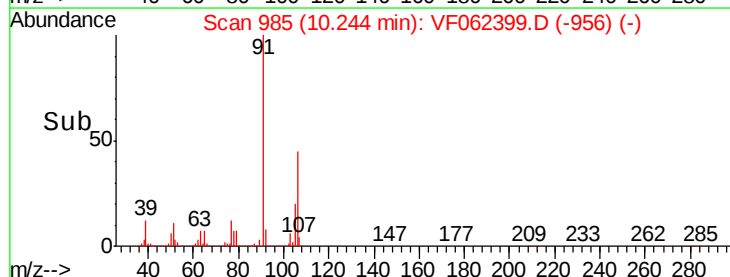
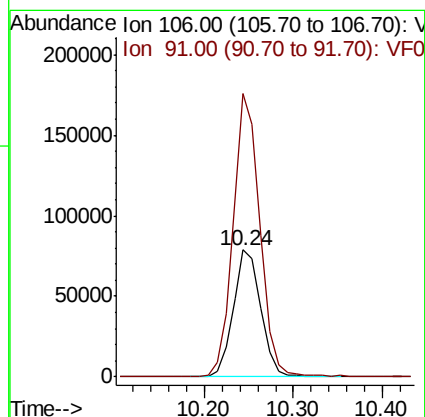
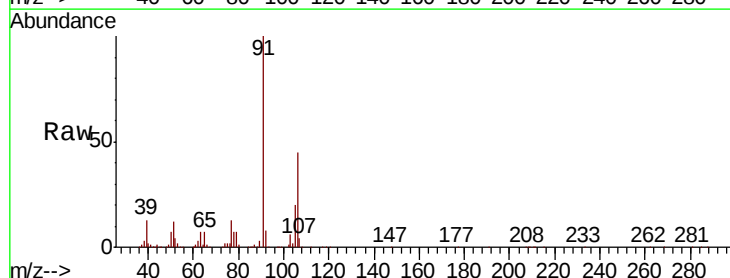
Acq: 9 May 2019 16:50

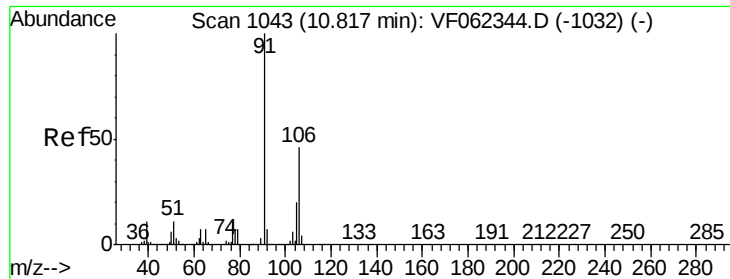
Tgt Ion: 106 Resp: 170021

Ion Ratio Lower Upper

106 100

91 218.1 167.4 251.2

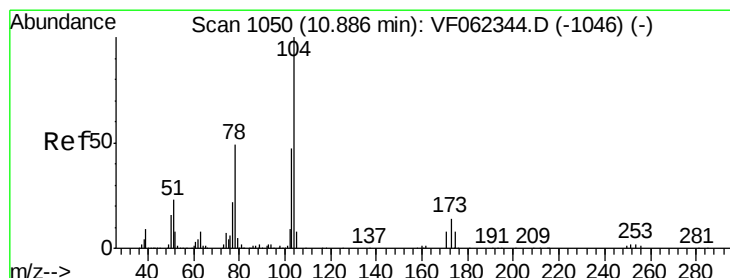
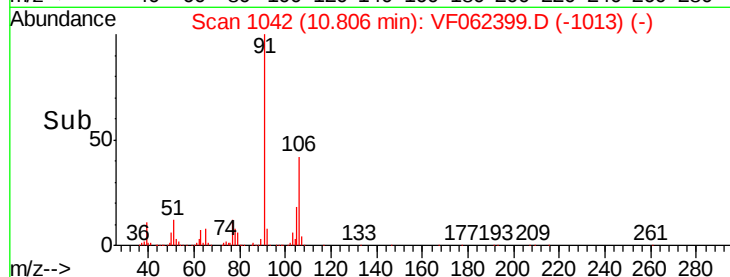
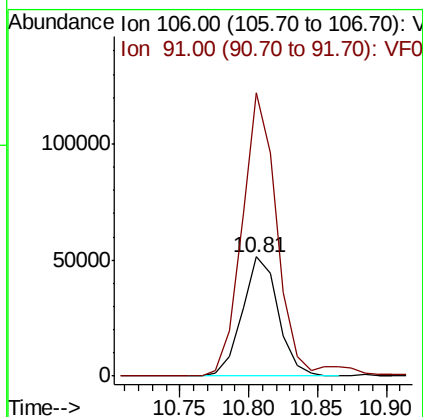
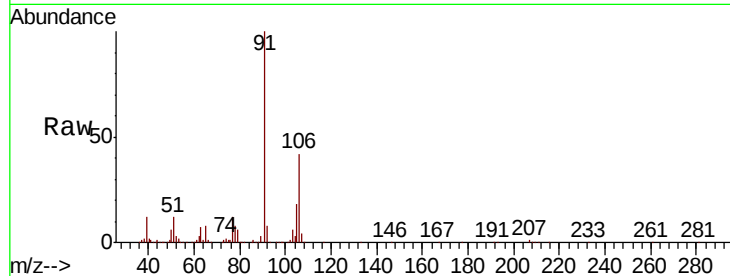




#69
o-Xylene
Concen: 21.805 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

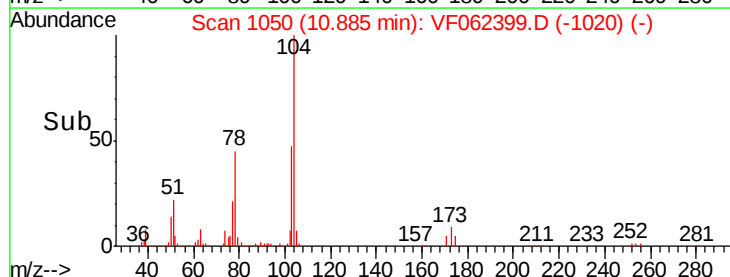
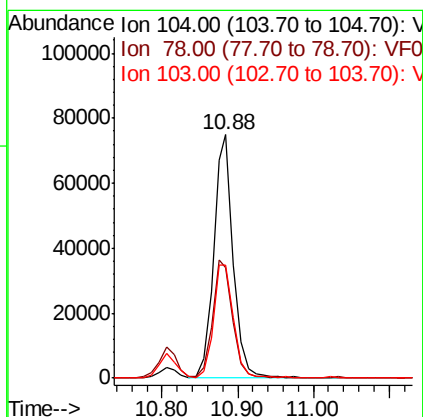
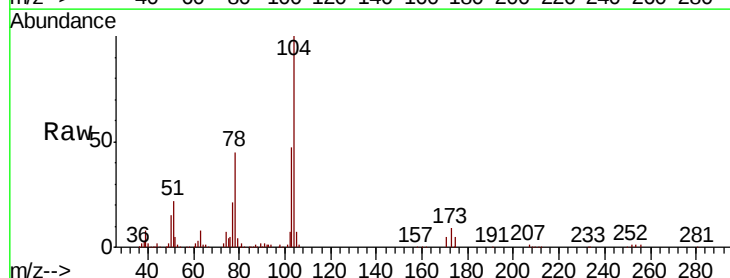
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

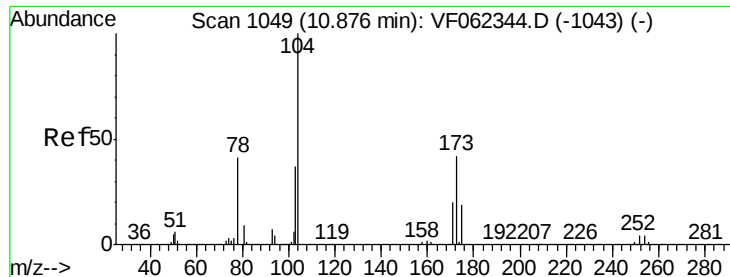
Tgt Ion:106 Resp: 93524
Ion Ratio Lower Upper
106 100
91 237.3 111.3 333.8



#70
Styrene
Concen: 21.083 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion:104 Resp: 135524
Ion Ratio Lower Upper
104 100
78 49.3 39.5 59.3
103 47.5 38.4 57.6

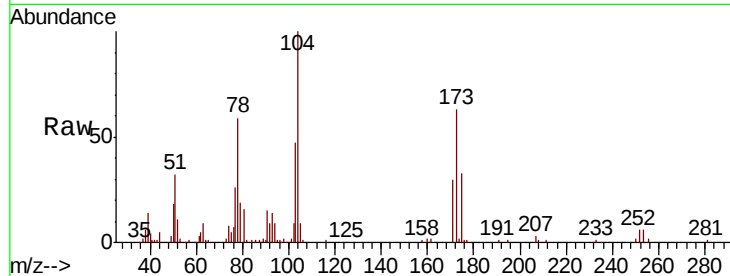




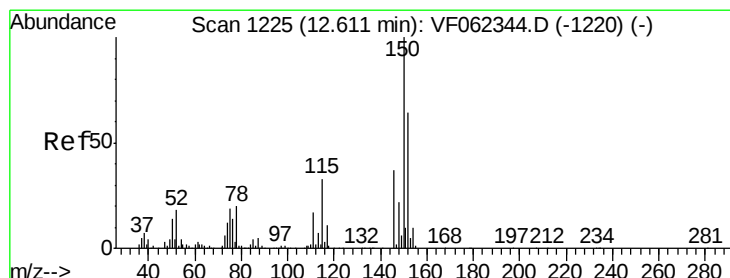
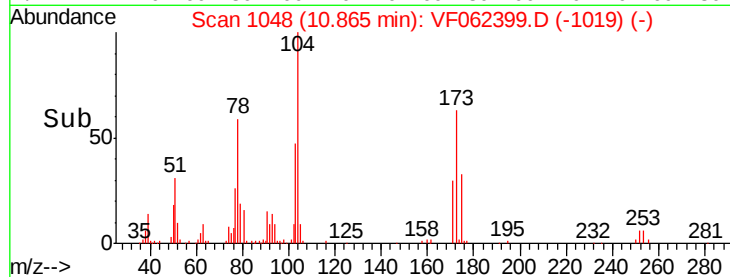
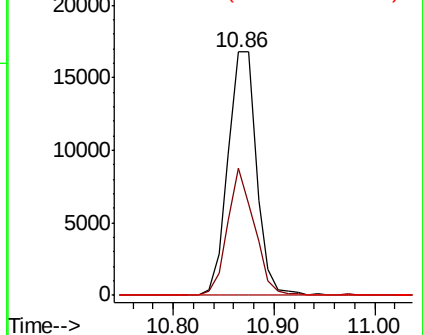
#71
Bromoform
Concen: 19.474 ug/l
RT: 10.86 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tgt Ion:173 Resp: 33065
Ion Ratio Lower Upper
173 100
175 49.0 23.8 71.2
254 0.0 0.1 0.1#

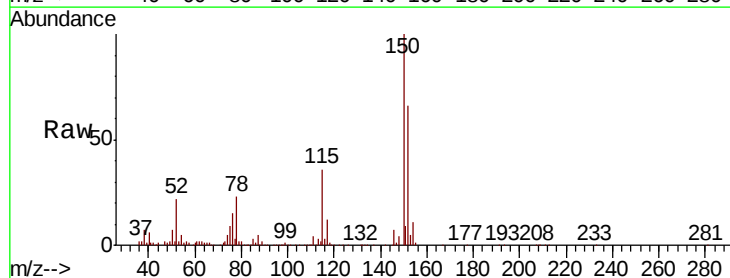


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

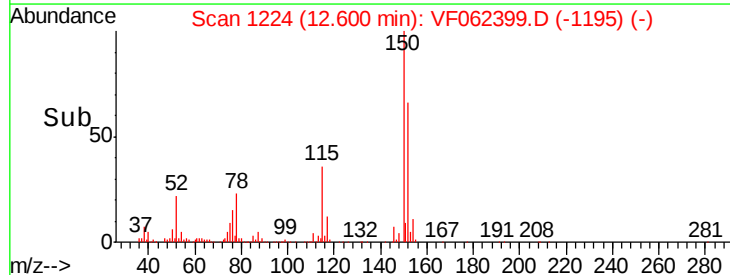
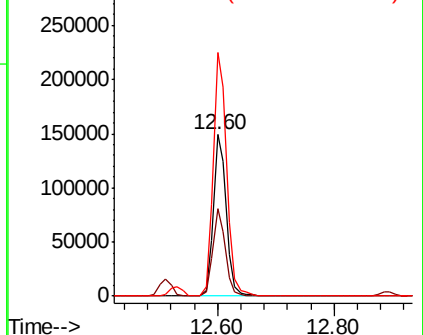


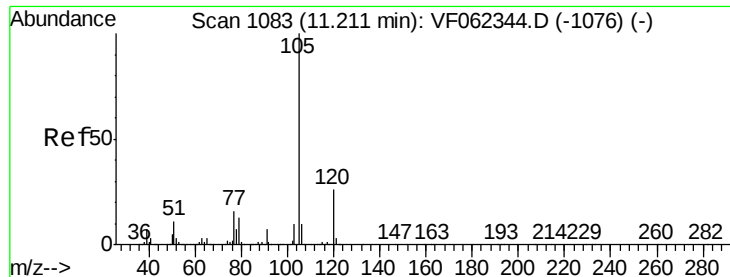
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion:152 Resp: 229486
Ion Ratio Lower Upper
152 100
115 52.9 26.4 79.2
150 155.9 0.0 335.0



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





#73

Isopropylbenzene

Concen: 20.867 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

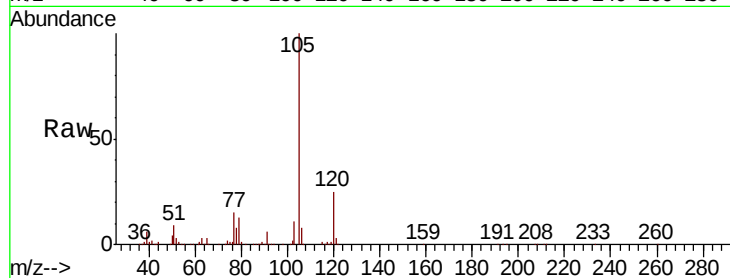
VF0509SBSD01

Tgt Ion: 105 Resp: 283892

Ion Ratio Lower Upper

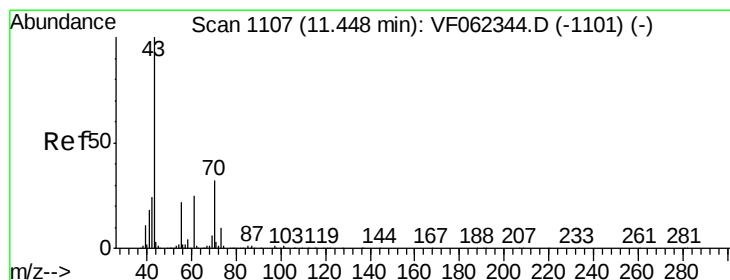
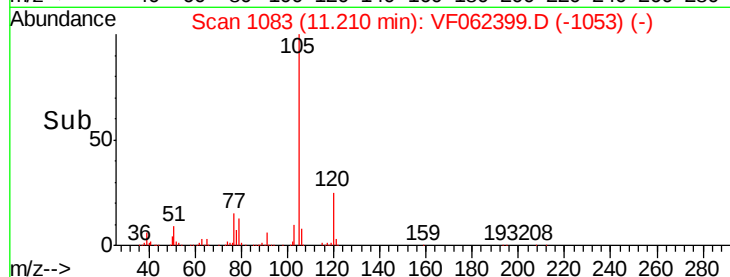
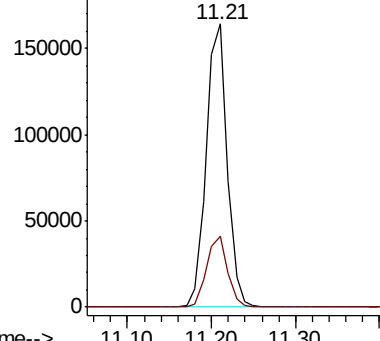
105 100

120 25.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.480 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion: 43 Resp: 53976

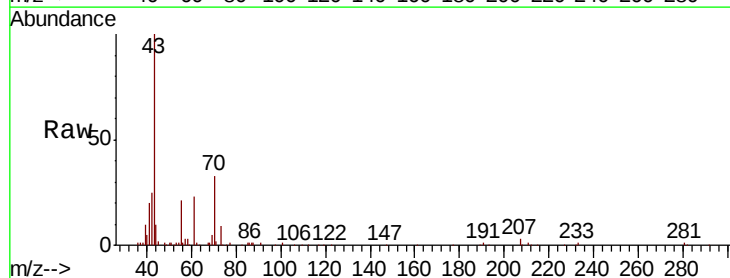
Ion Ratio Lower Upper

43 100

70 33.6 26.5 39.7

55 20.8 17.8 26.6

61 22.9 20.2 30.2

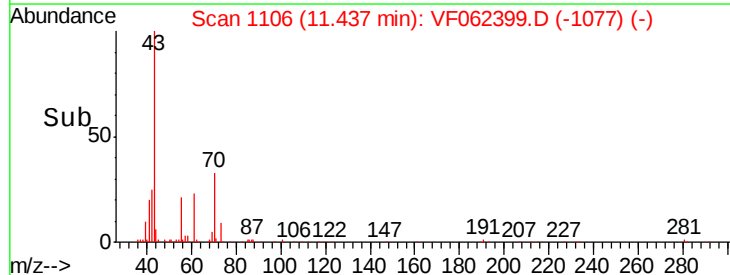
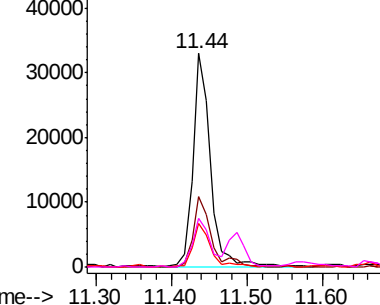


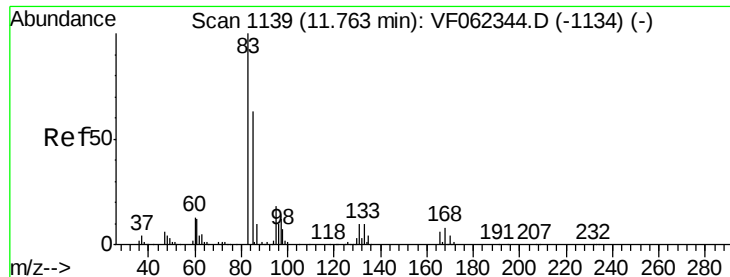
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.906 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

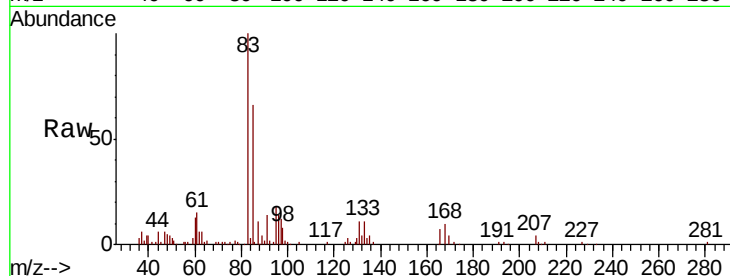
Tgt Ion: 83 Resp: 42404

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.4

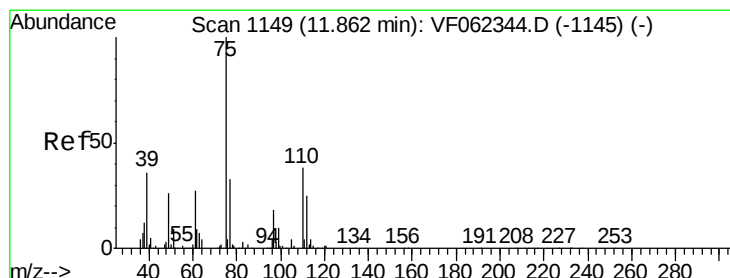
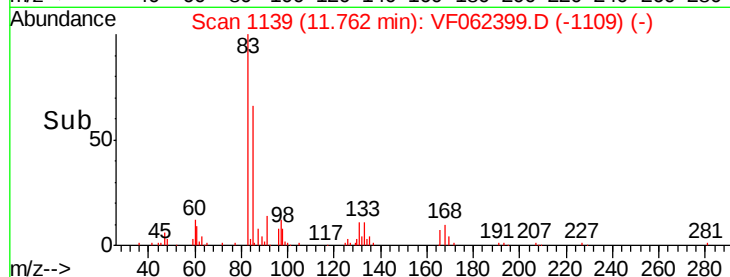
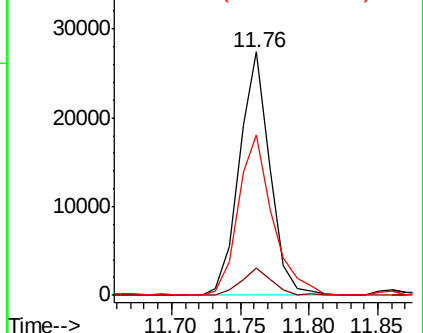
85 74.5 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.329 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062399.D

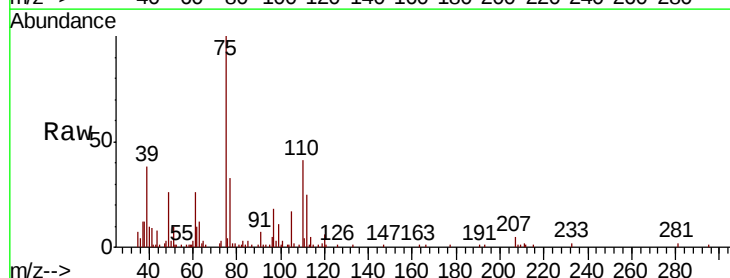
Acq: 9 May 2019 16:50

Tgt Ion: 75 Resp: 31414

Ion Ratio Lower Upper

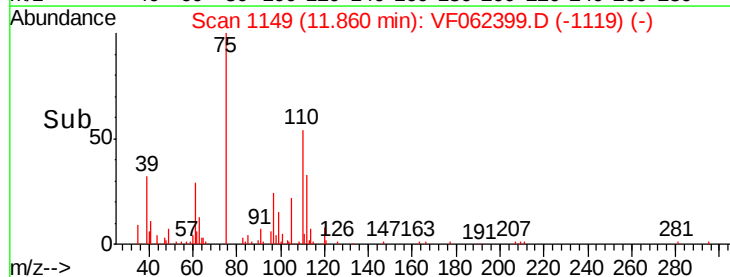
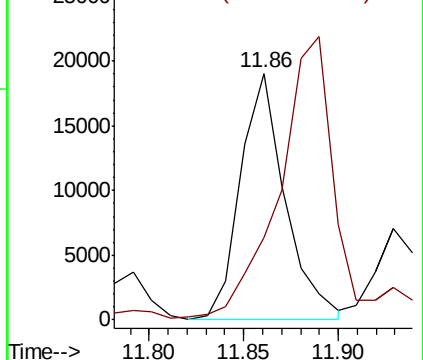
75 100

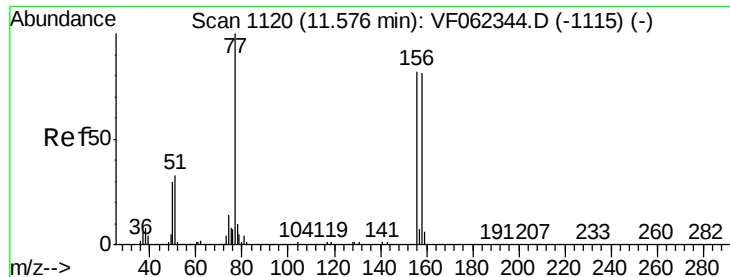
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.295 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

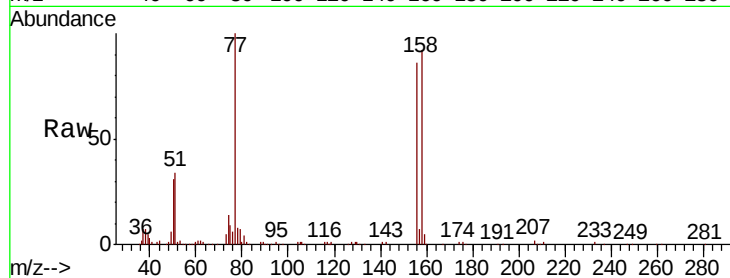
Tgt Ion:156 Resp: 72464

Ion Ratio Lower Upper

156 100

77 130.5 64.8 194.3

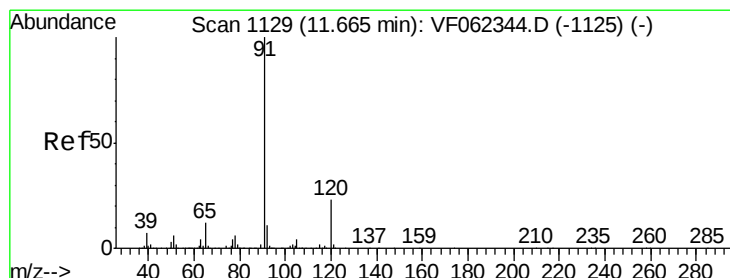
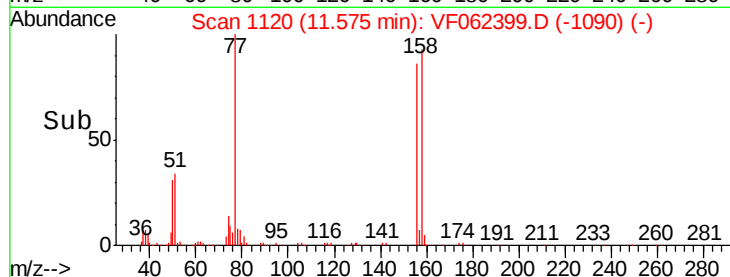
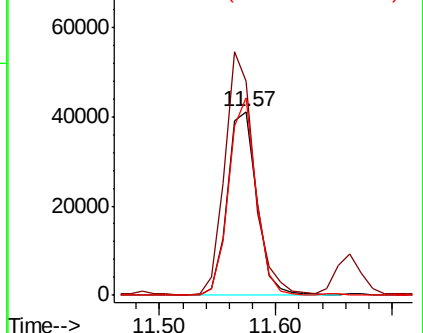
158 99.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.944 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062399.D

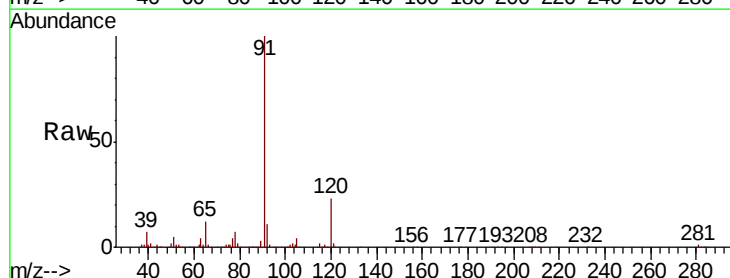
Acq: 9 May 2019 16:50

Tgt Ion: 91 Resp: 317840

Ion Ratio Lower Upper

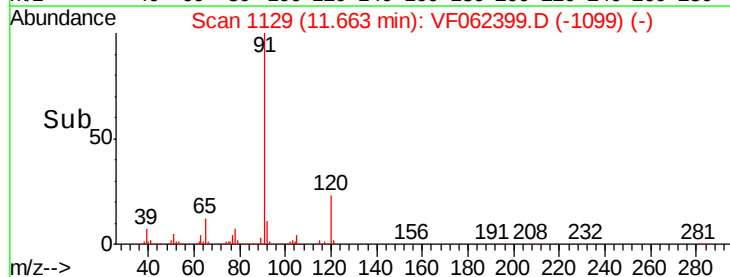
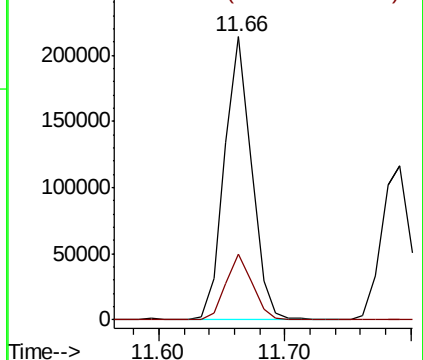
91 100

120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.940 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

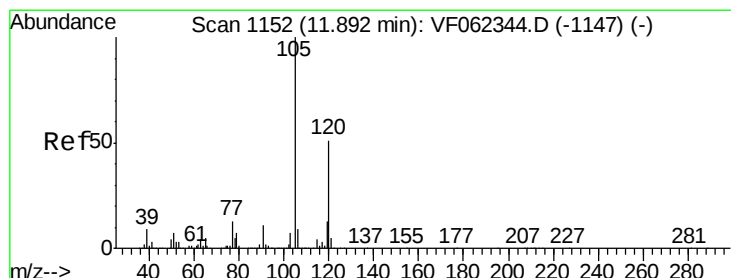
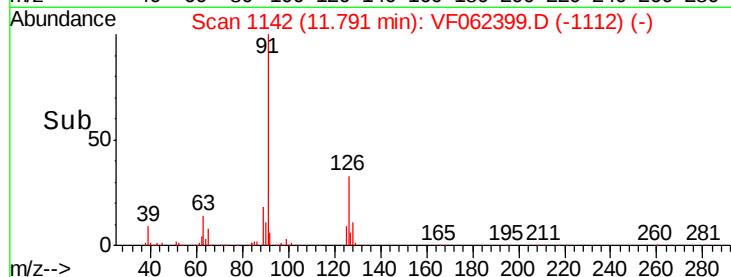
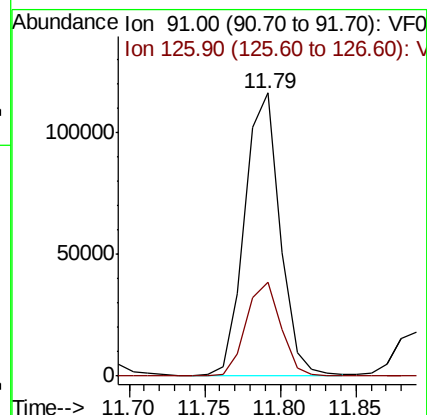
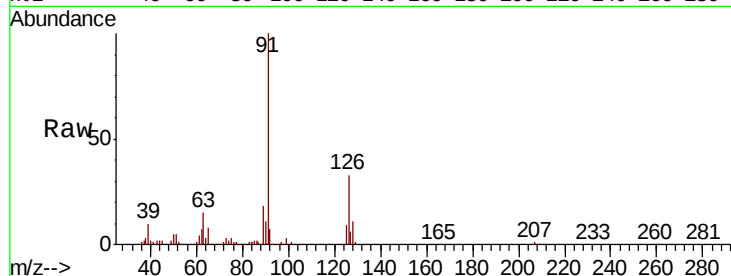
VF0509SBSD01

Tgt Ion: 91 Resp: 188599

Ion Ratio Lower Upper

91 100

126 33.1 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 21.490 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062399.D

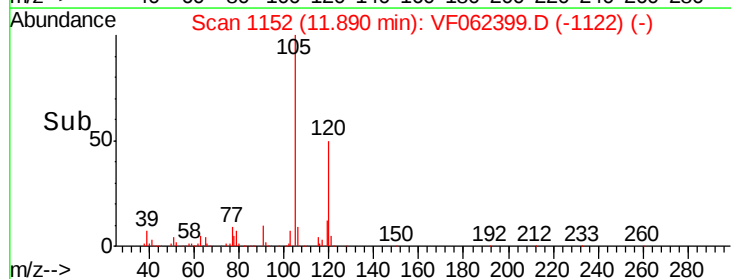
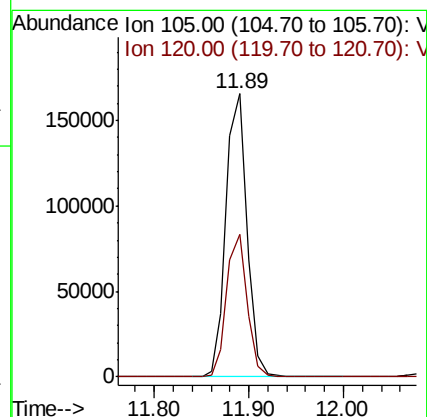
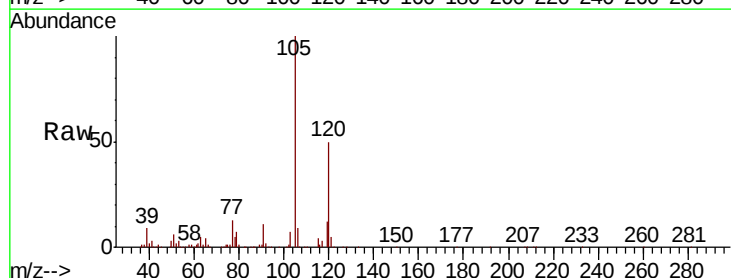
Acq: 9 May 2019 16:50

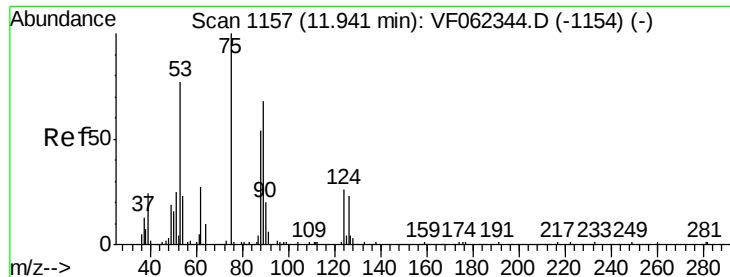
Tgt Ion: 105 Resp: 256255

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 28.601 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

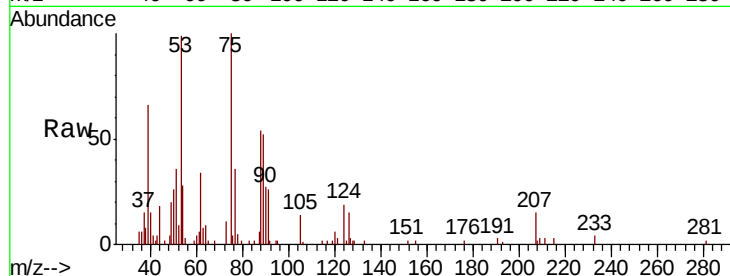
Tgt Ion: 75 Resp: 17472

Ion Ratio Lower Upper

75 100

53 60.3 71.9 107.9#

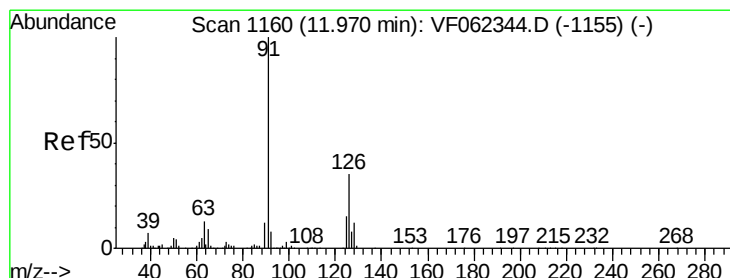
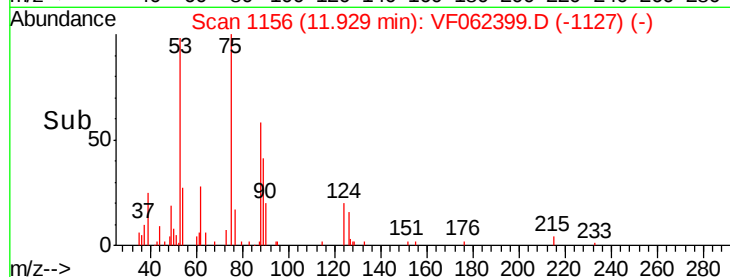
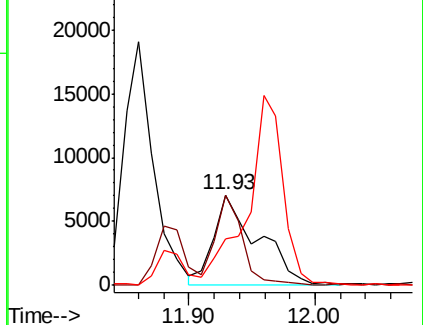
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 21.586 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF062399.D

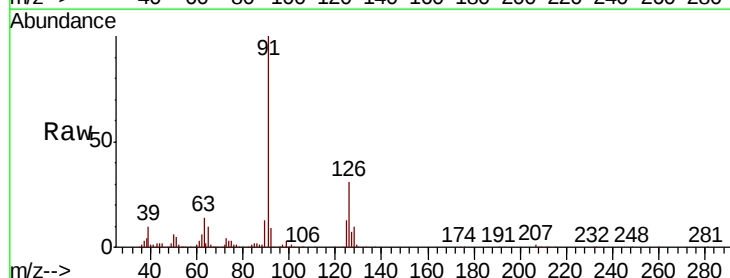
Acq: 9 May 2019 16:50

Tgt Ion: 91 Resp: 192023

Ion Ratio Lower Upper

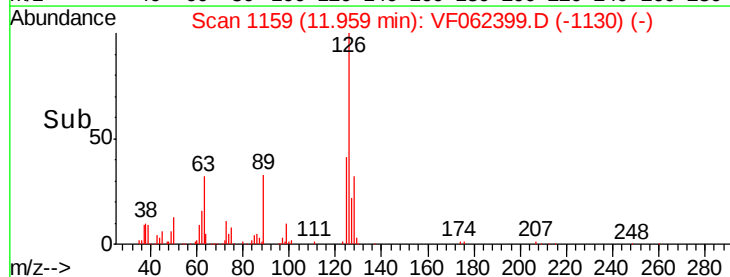
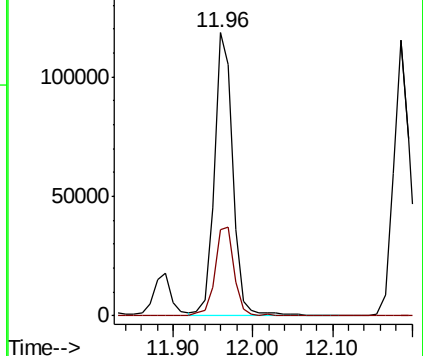
91 100

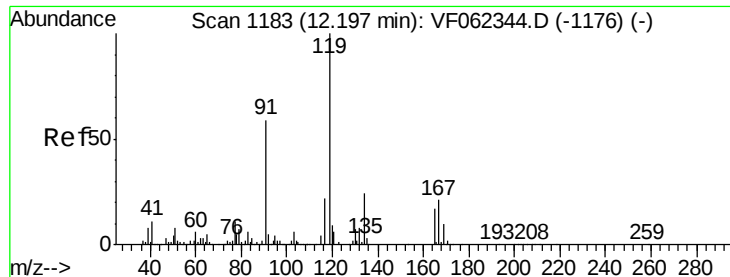
126 33.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

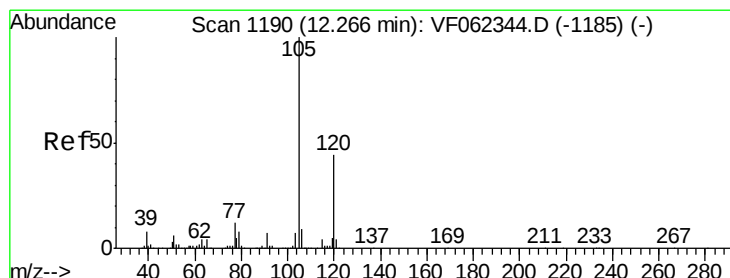
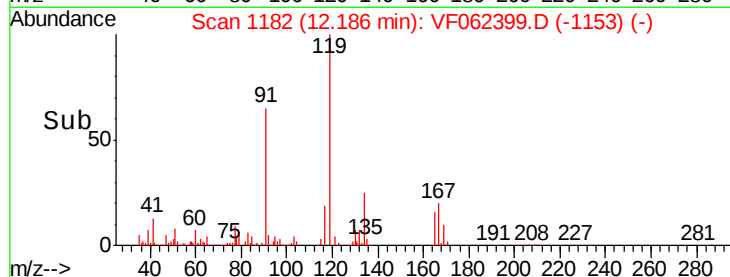
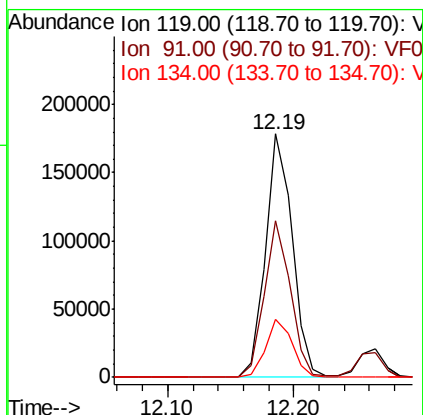
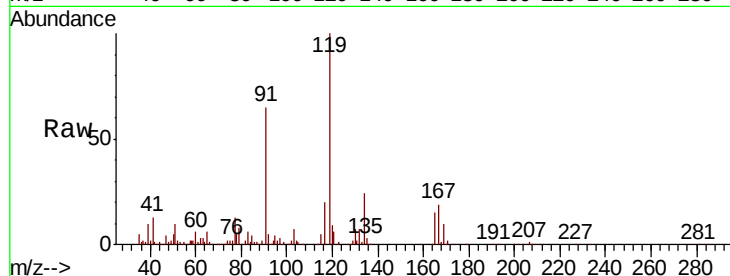




#83
 tert-Butylbenzene
 Concen: 21.158 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

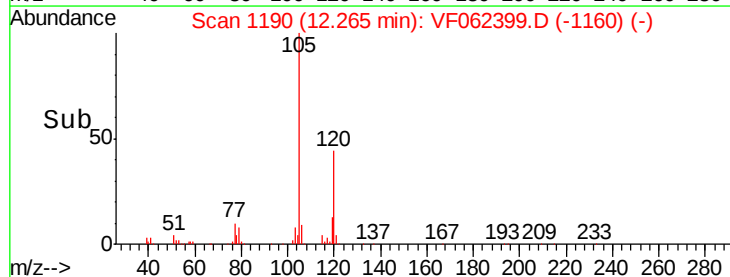
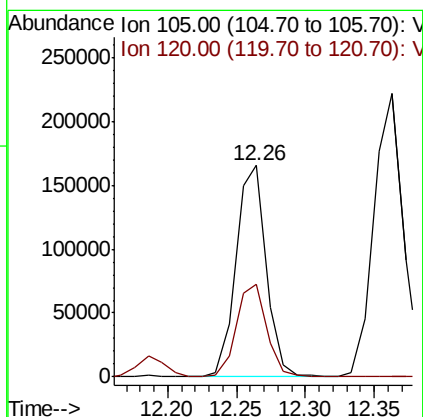
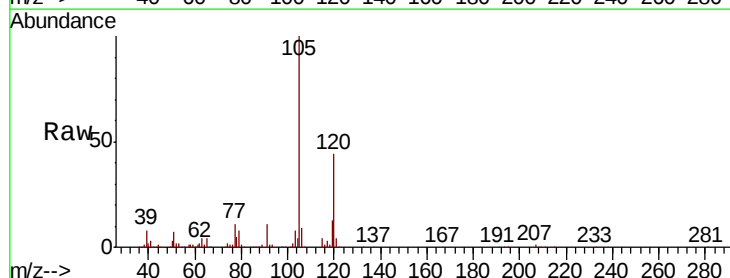
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

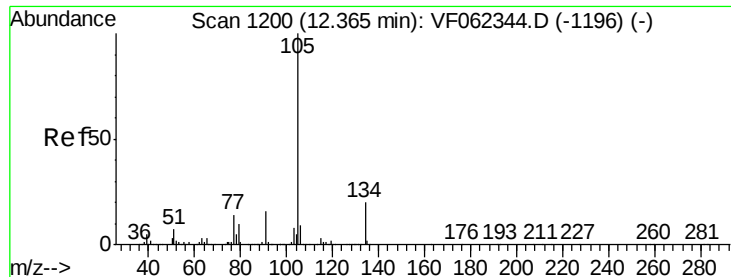
Tgt Ion:119 Resp: 265153
 Ion Ratio Lower Upper
 119 100
 91 62.7 30.4 91.3
 134 23.9 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.660 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion:105 Resp: 252762
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.6 67.7

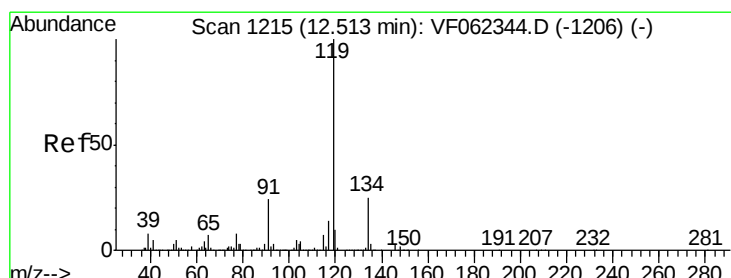
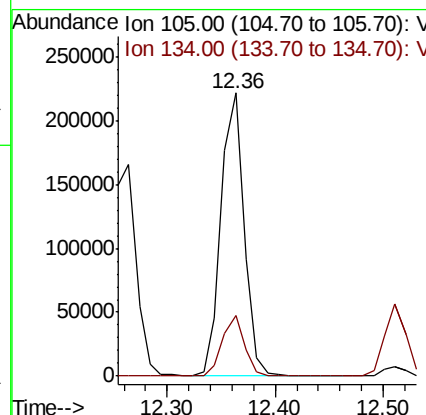
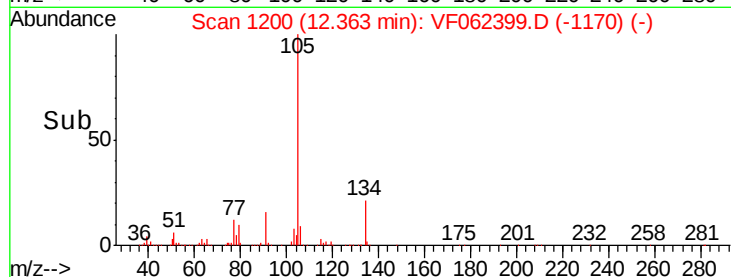
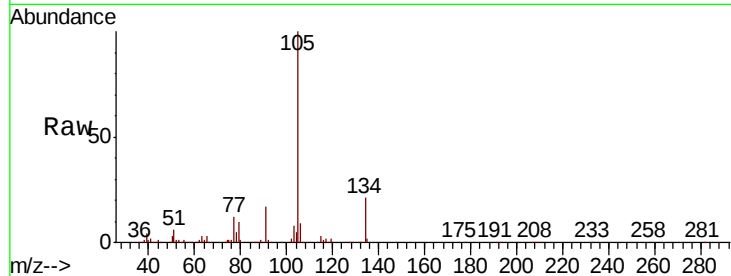




#85
 sec-Butylbenzene
 Concen: 21.683 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

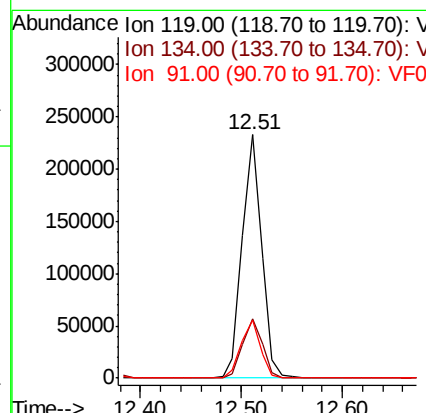
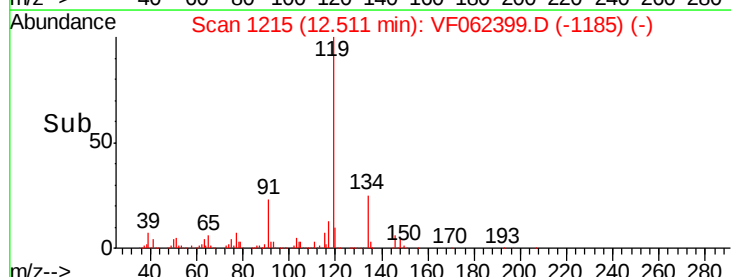
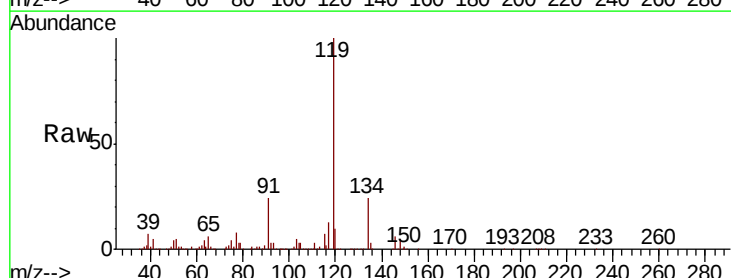
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

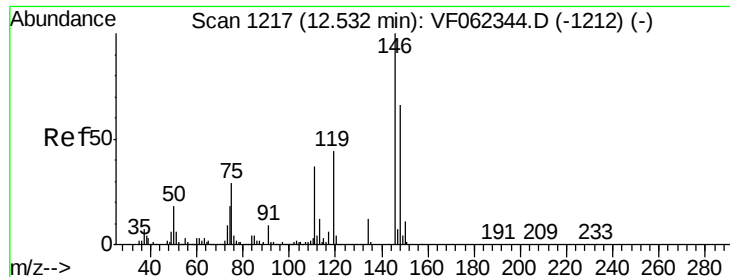
Tgt Ion:105 Resp: 330746
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 22.081 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion:119 Resp: 312929
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.7
 91 23.8 12.3 36.8

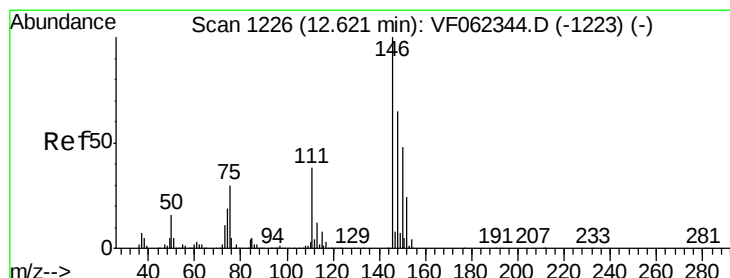
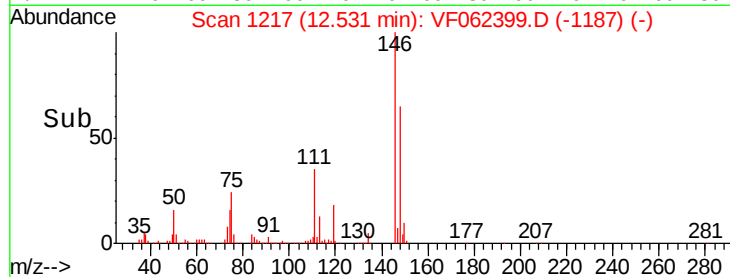
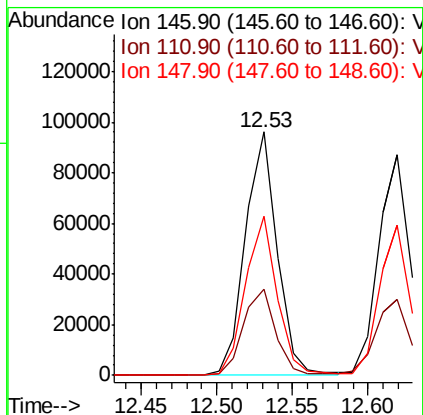
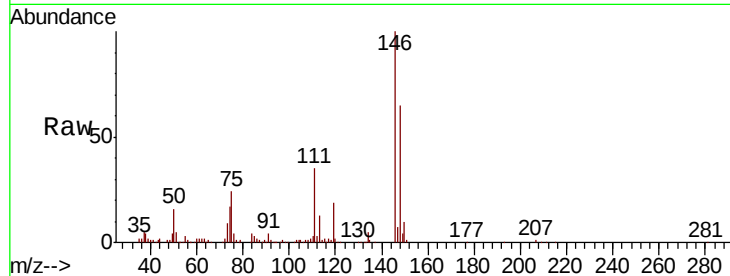




#87
 1,3-Dichlorobenzene
 Concen: 21.668 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

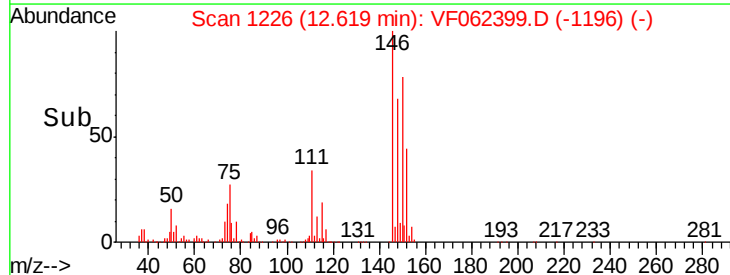
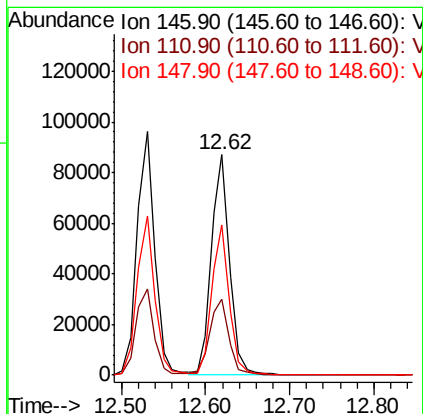
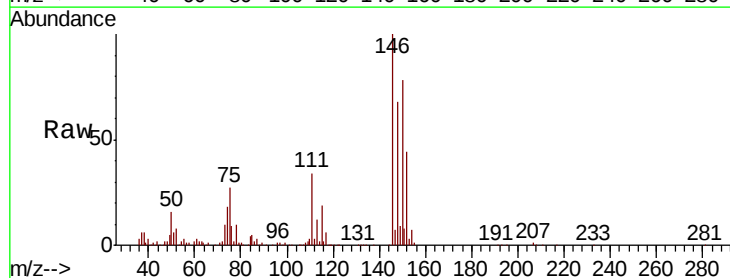
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

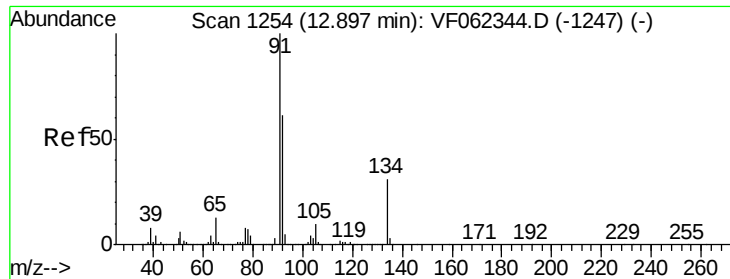
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.8
148	65.1	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 20.845 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	64.3	32.2	96.6





#89

n-Butylbenzene

Concen: 22.741 ug/l

RT: 12.89 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

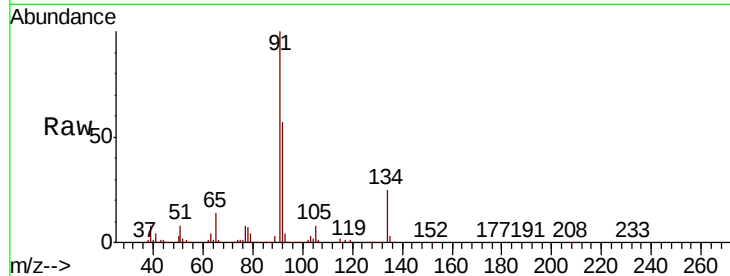
Tgt Ion: 91 Resp: 286734

Ion Ratio Lower Upper

91 100

92 57.4 30.0 90.0

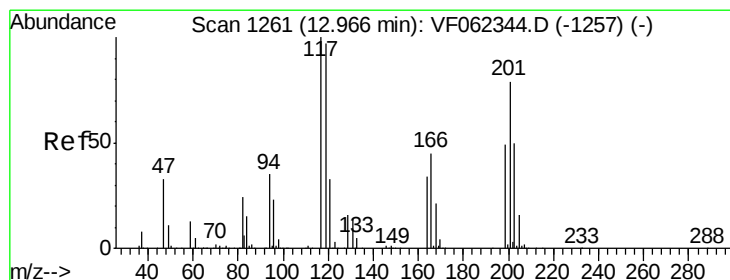
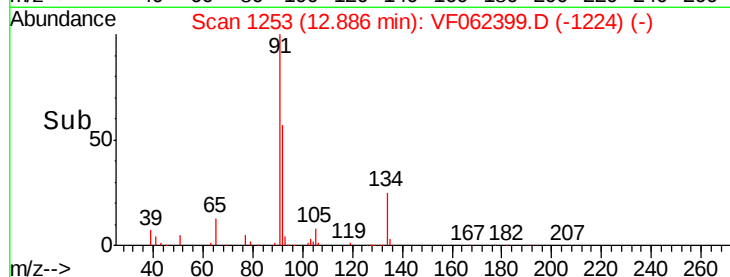
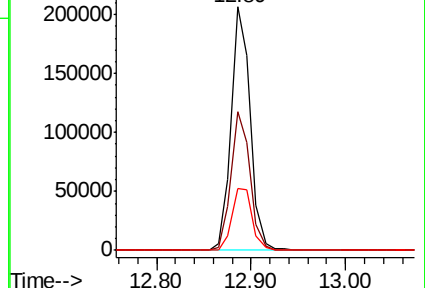
134 27.3 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.959 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VF062399.D

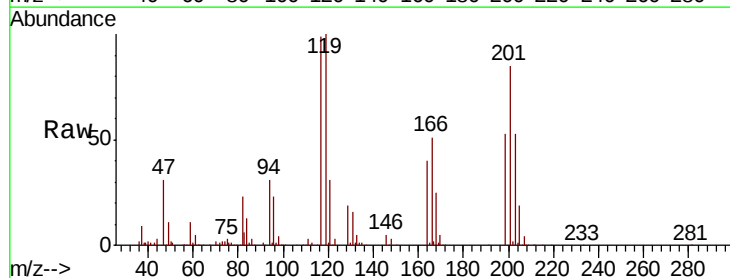
Acq: 9 May 2019 16:50

Tgt Ion: 117 Resp: 74166

Ion Ratio Lower Upper

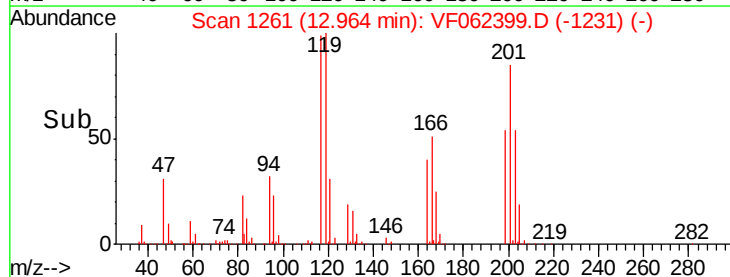
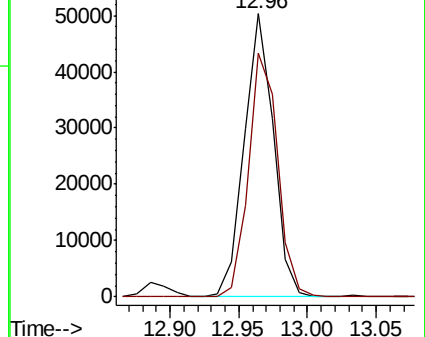
117 100

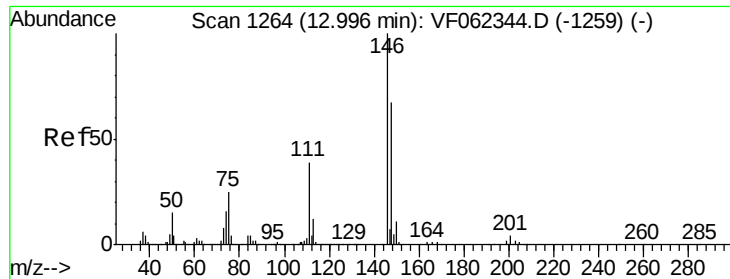
201 87.1 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.060 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

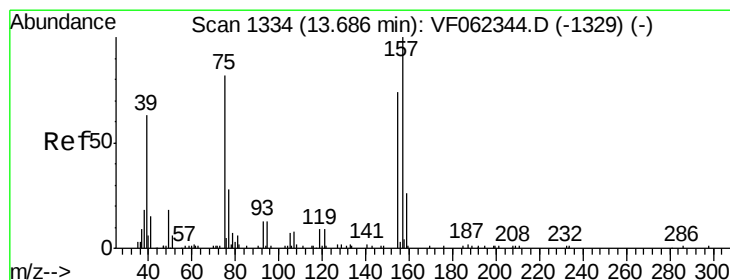
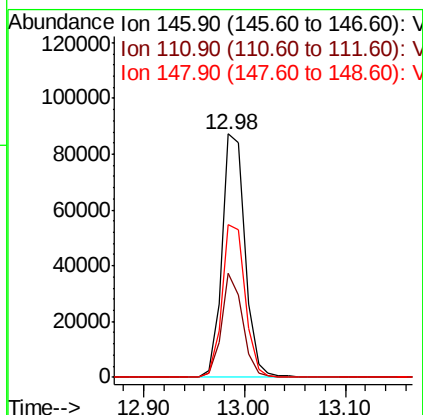
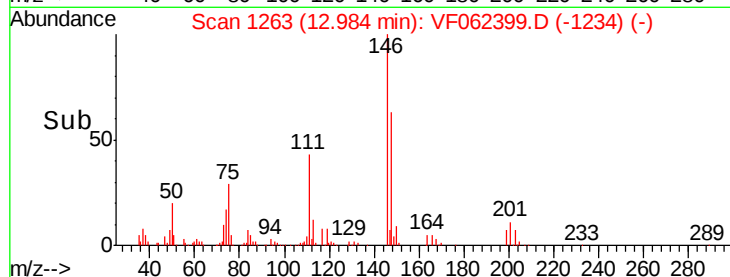
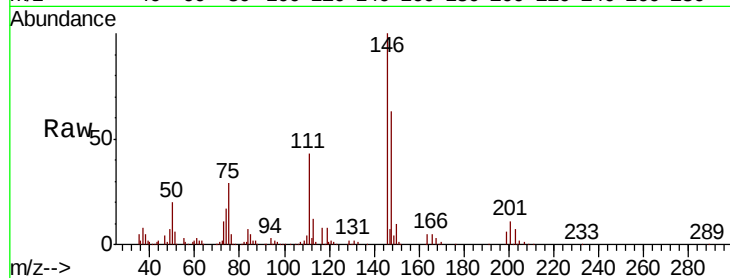
Tgt Ion:146 Resp: 139238

Ion Ratio Lower Upper

146 100

111 39.3 20.0 60.0

148 63.1 33.1 99.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.602 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

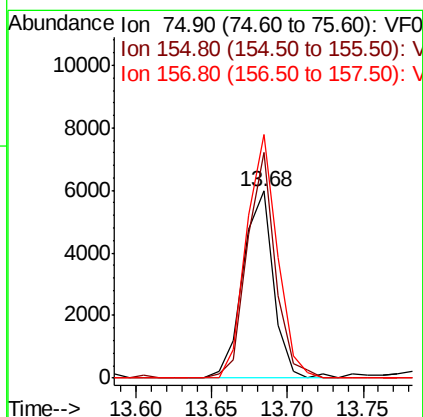
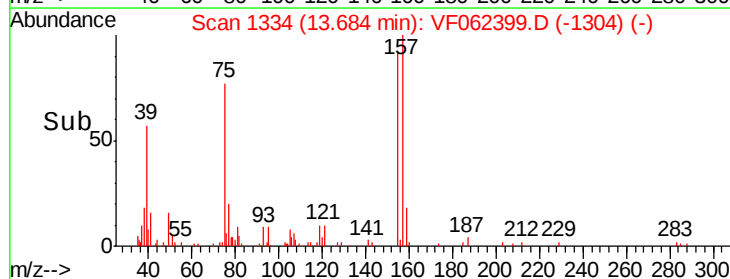
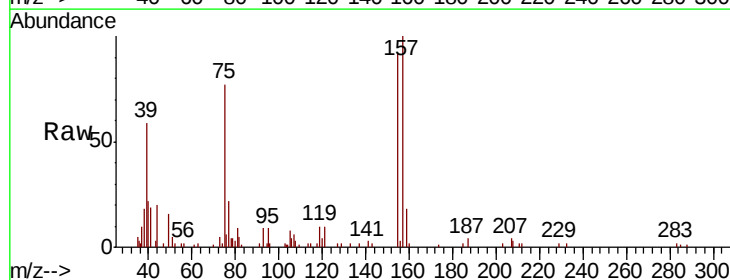
Tgt Ion: 75 Resp: 8400

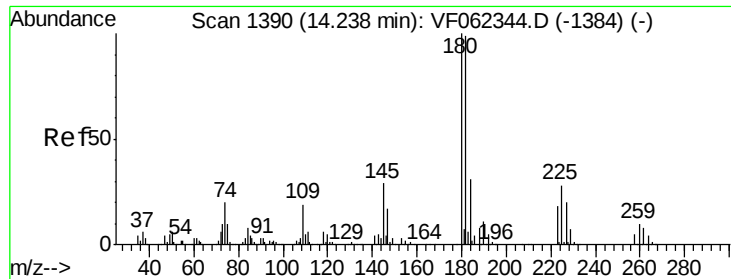
Ion Ratio Lower Upper

75 100

155 111.6 51.8 155.4

157 131.3 67.3 201.8

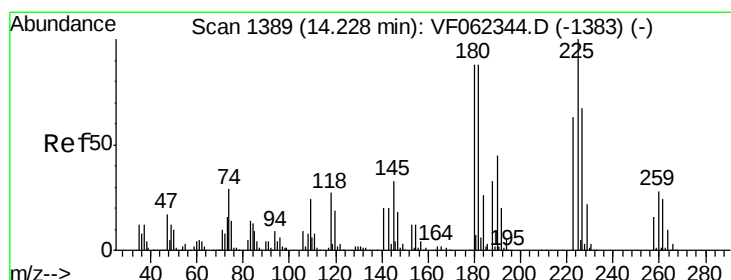
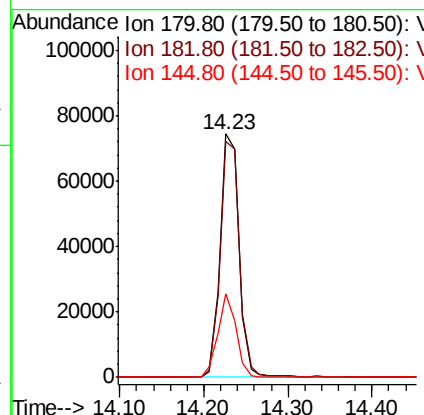
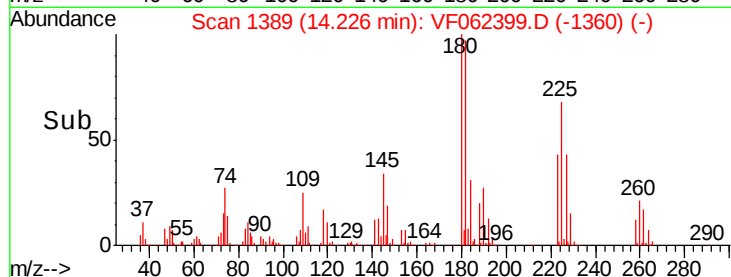
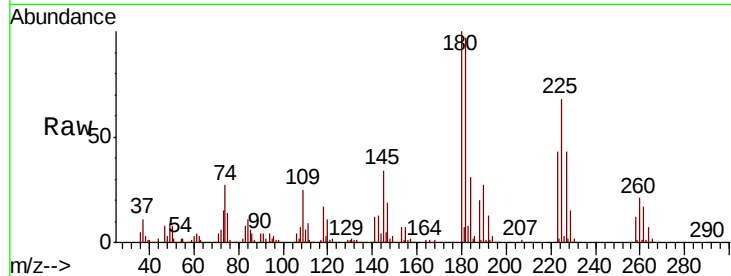




#93
1,2,4-Trichlorobenzene
Concen: 20.527 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

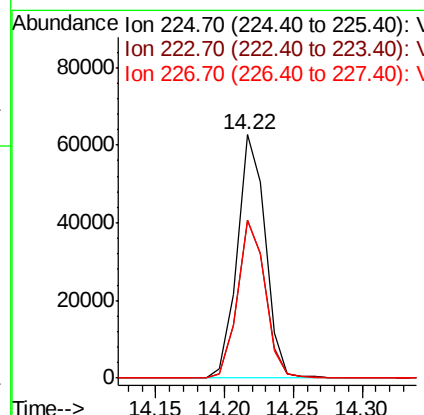
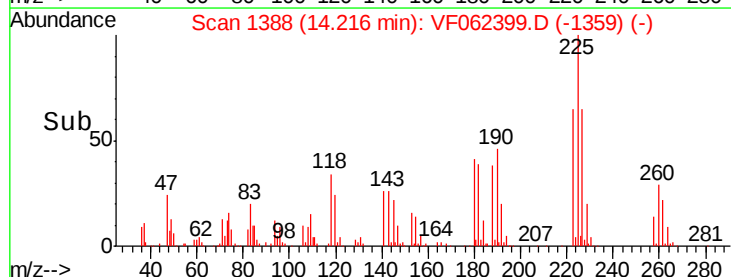
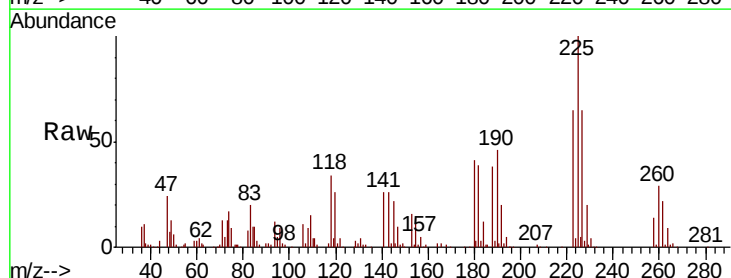
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

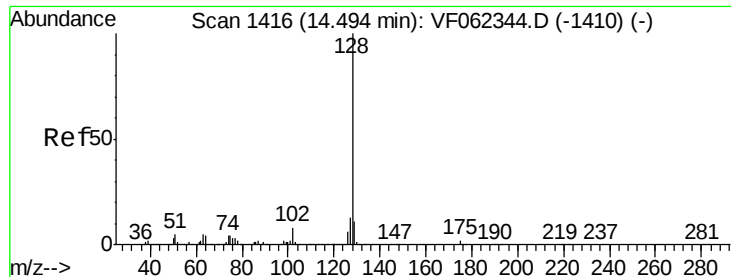
Tgt Ion:180 Resp: 116212
Ion Ratio Lower Upper
180 100
182 99.2 49.0 147.0
145 33.3 16.7 50.1



#94
Hexachlorobutadiene
Concen: 21.224 ug/l
RT: 14.22 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion:225 Resp: 89556
Ion Ratio Lower Upper
225 100
223 64.4 31.9 95.5
227 63.6 33.1 99.5

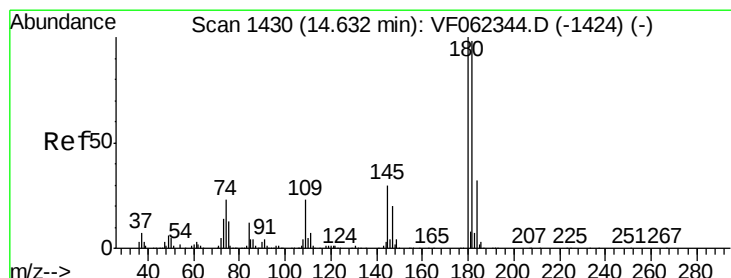
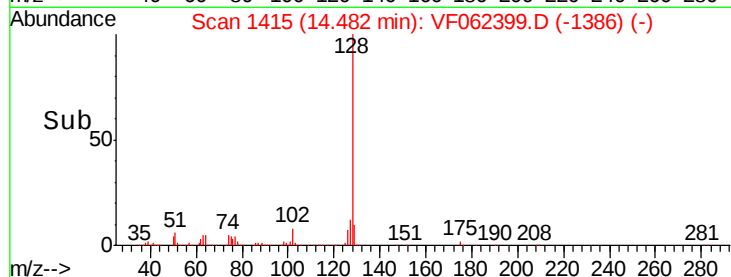
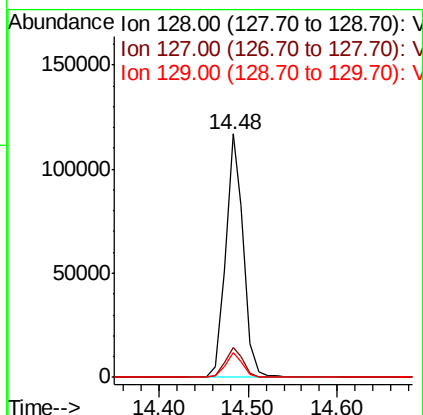
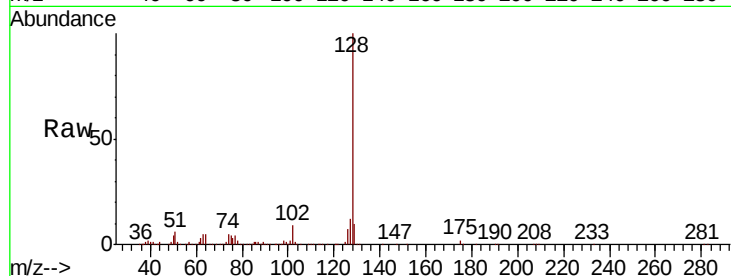




#95
Naphthalene
Concen: 19.357 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tgt Ion:128 Resp: 164758
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.087 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion:180 Resp: 115657
Ion Ratio Lower Upper
180 100
182 98.0 49.4 148.0
145 28.7 14.8 44.3

