

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062477.D
 Acq On : 12 May 2019 00:35
 Operator : FY/SY
 Sample : VF0511SBSD02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

Quant Time: May 12 03:52:31 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	5.06	168	311936	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	404069	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	358683	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	228425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	145308	49.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	4.32	113	178768	55.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	7.73	98	389386	49.97	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.50	95	185299	52.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	81969	22.705	ug/l	90
3) Chloromethane	1.14	50	49831	20.929	ug/l	99
4) Vinyl Chloride	1.19	62	46869	19.735	ug/l	99
5) Bromomethane	1.38	94	41675	21.842	ug/l	83
6) Chloroethane	1.43	64	24596	20.600	ug/l #	87
7) Trichlorofluoromethane	1.56	101	108794	22.079	ug/l	90
8) Diethyl Ether	1.71	74	16442	22.052	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	63157	22.450	ug/l	97
10) Methyl Iodide	1.98	142	106694	23.014	ug/l	99
11) Tert butyl alcohol	2.71	59	15081	90.518	ug/l #	83
12) 1,1-Dichloroethene	1.87	96	50479	21.107	ug/l	93
13) Acrolein	2.10	56	8810	70.378	ug/l	89
14) Allyl chloride	2.21	41	71956	34.060	ug/l	95
15) Acrylonitrile	3.09	53	31419	99.553	ug/l	94
16) Acetone	2.35	43	51947	87.109	ug/l	94
17) Carbon Disulfide	1.91	76	108747	20.854	ug/l	98
18) Methyl Acetate	2.46	43	22974	19.195	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	104461	21.160	ug/l	99
20) Methylene Chloride	2.29	84	22869	10.599	ug/l	91
21) trans-1,2-Dichloroethene	2.43	96	45001	19.749	ug/l	97
22) Diisopropyl ether	2.95	45	140851	21.332	ug/l	99
23) Vinyl Acetate	3.36	43	309152	105.053	ug/l	99
24) 1,1-Dichloroethane	3.02	63	90671	22.721	ug/l	96
25) 2-Butanone	4.53	43	69168	92.322	ug/l #	89
26) 2,2-Dichloropropane	3.79	77	52875	23.726	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	63007	22.121	ug/l	96
28) Bromochloromethane	3.91	49	36520	20.179	ug/l #	95
29) Tetrahydrofuran	4.28	42	33283	96.660	ug/l	94
30) Chloroform	4.06	83	129816	24.079	ug/l	97
31) Cyclohexane	3.90	56	66249	20.799	ug/l	93
32) 1,1,1-Trichloroethane	4.31	97	117890	25.514	ug/l	97
36) 1,1-Dichloropropene	4.48	75	75160	21.653	ug/l	97
37) Ethyl Acetate	4.32	43	30954	19.709	ug/l #	96
38) Carbon Tetrachloride	4.20	117	121244	32.715	ug/l	87

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 VF0511SBSD02

Quant Time: May 12 03:52:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	73509	21.116	ug/l	96
40) Benzene	4.84	78	164250	21.489	ug/l	99
41) Methacrylonitrile	4.95	41	17456	20.973	ug/l	95
42) 1,2-Dichloroethane	5.14	62	69159	21.634	ug/l	96
43) Isopropyl Acetate	7.12	43	33455	21.190	ug/l #	96
44) Trichloroethene	5.70	130	65793	23.432	ug/l	98
45) 1,2-Dichloropropane	6.42	63	37669	21.758	ug/l	92
46) Dibromomethane	6.28	93	29791	20.754	ug/l	97
47) Bromodichloromethane	6.56	83	80918	22.547	ug/l	97
48) Methyl methacrylate	6.89	41	23962	21.476	ug/l	93
49) 1,4-Dioxane	6.88	88	3854	327.062	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	129419	108.178	ug/l	97
52) Toluene	7.79	92	109554	23.233	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	59784	22.025	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	70191	22.219	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	34928	23.334	ug/l	92
56) Ethyl methacrylate	8.77	69	32054	20.286	ug/l	94
57) 1,3-Dichloropropane	9.01	76	51323	22.698	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	48139	101.333	ug/l	95
59) 2-Hexanone	9.63	43	90265	109.095	ug/l	94
60) Dibromochloromethane	8.87	129	55071	22.494	ug/l	98
61) 1,2-Dibromoethane	9.15	107	37667	21.410	ug/l	99
64) Tetrachloroethene	8.32	164	67774	23.275	ug/l	94
65) Chlorobenzene	9.94	112	136068	22.928	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	63425	21.185	ug/l	97
67) Ethyl Benzene	10.04	91	234205	22.537	ug/l	99
68) m/p-Xylenes	10.27	106	176669	46.076	ug/l	96
69) o-Xylene	10.82	106	93671	22.608	ug/l	99
70) Styrene	10.90	104	132462	21.332	ug/l	99
71) Bromoform	10.89	173	33202	20.243	ug/l #	97
73) Isopropylbenzene	11.23	105	299379	22.108	ug/l	99
74) N-amyl acetate	11.45	43	60897	20.946	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	43251	20.398	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	34151	21.111	ug/l #	100
77) Bromobenzene	11.59	156	78677	22.137	ug/l	98
78) n-propylbenzene	11.68	91	331641	23.003	ug/l	99
79) 2-Chlorotoluene	11.81	91	199172	22.216	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	263314	22.184	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	16585	27.275	ug/l #	63
82) 4-Chlorotoluene	11.97	91	196118	22.149	ug/l	100
83) tert-Butylbenzene	12.20	119	265587	21.291	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	257266	22.148	ug/l	97
85) sec-Butylbenzene	12.38	105	336824	22.184	ug/l	99
86) p-Isopropyltoluene	12.53	119	308695	21.883	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	151818	23.389	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	142400	22.730	ug/l	99
89) n-Butylbenzene	12.90	91	282750	22.529	ug/l	97
90) Hexachloroethane	12.98	117	72340	20.538	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	140290	22.330	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9082	19.119	ug/l	98

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Instrument :
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ClientSampleId :
VF0511SBSD02

Quant Time: May 12 03:52:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

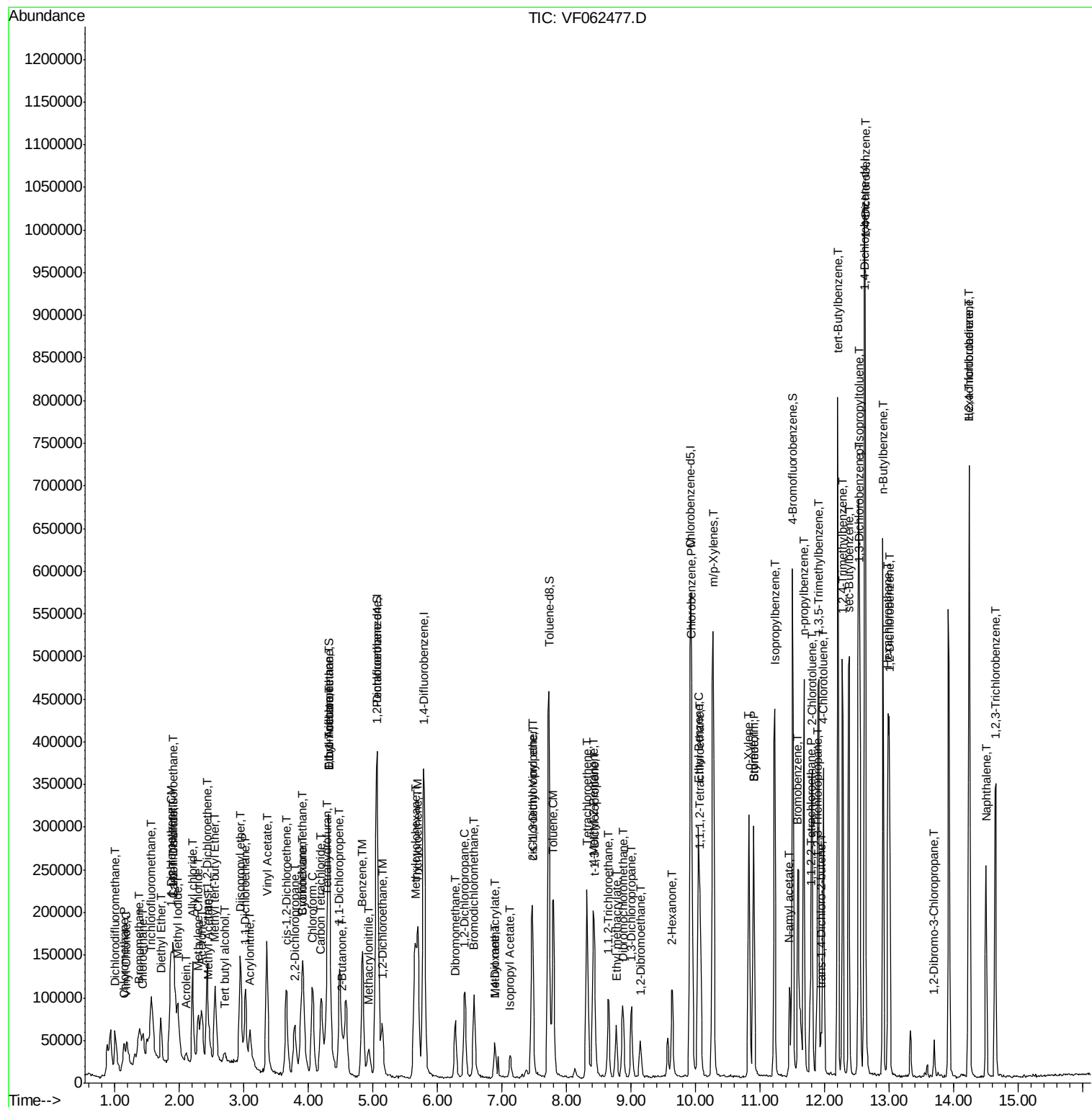
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	123685	21.949	ug/l	99
94) Hexachlorobutadiene	14.23	225	91855	21.870	ug/l	99
95) Naphthalene	14.50	128	167239	19.740	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	116551	21.349	ug/l	98

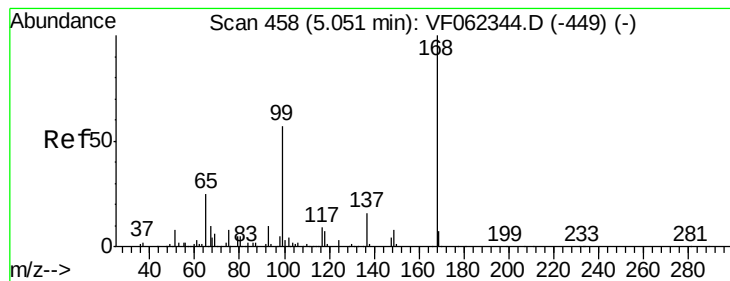
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

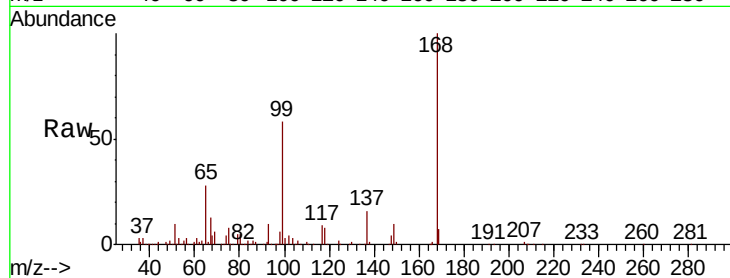
VF0511SBSD02

Tot Ion:168 Resp: 311936

Ion Ratio Lower Upper

168 100

99 58.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

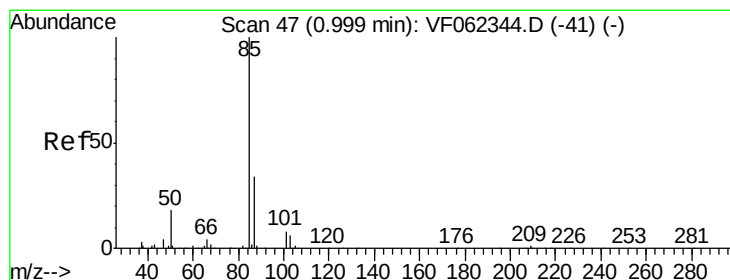
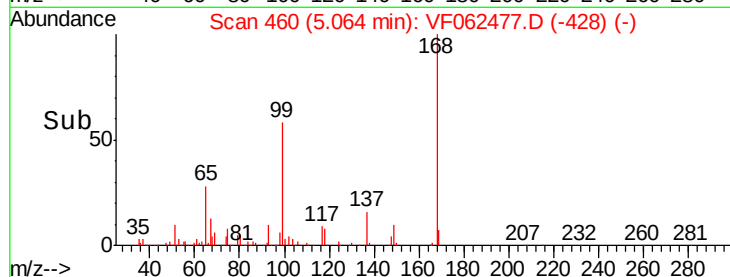
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.705 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062477.D

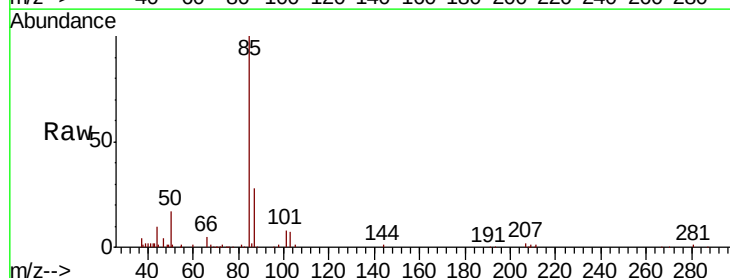
Acq: 12 May 2019 00:35

Tgt Ion: 85 Resp: 81969

Ion Ratio Lower Upper

85 100

87 27.7 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

30000

25000

20000

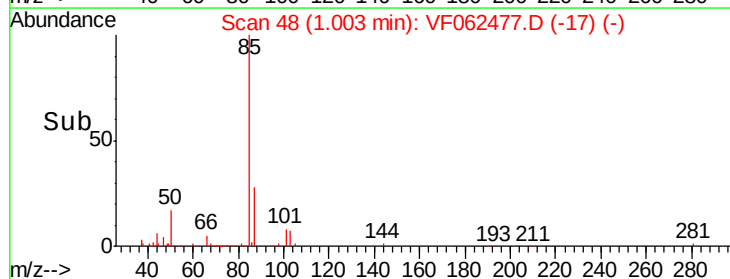
15000

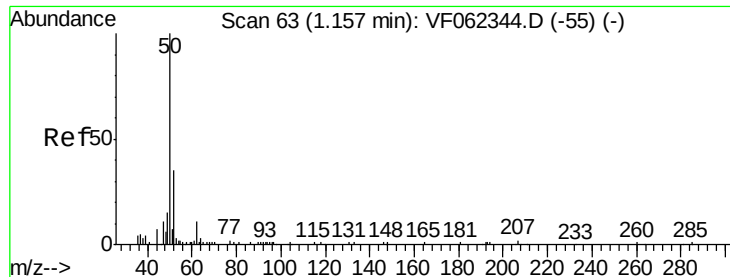
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.929 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

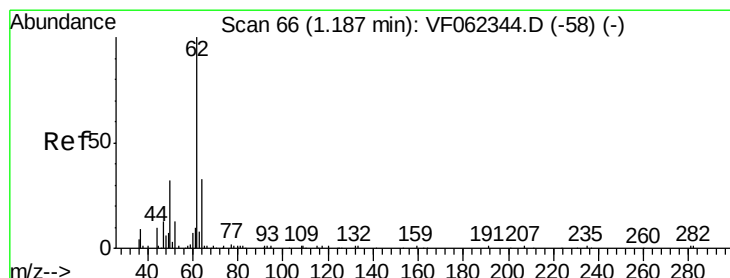
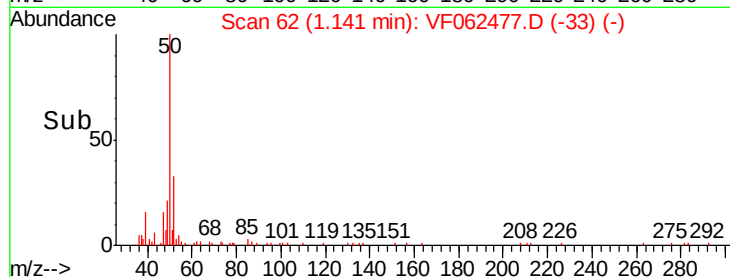
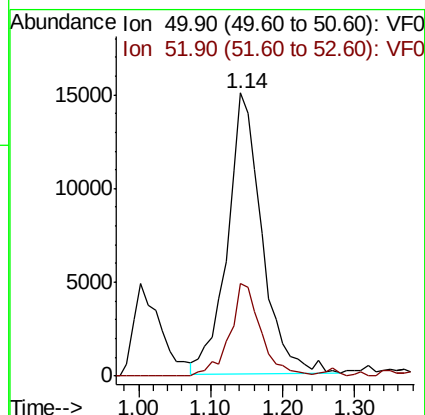
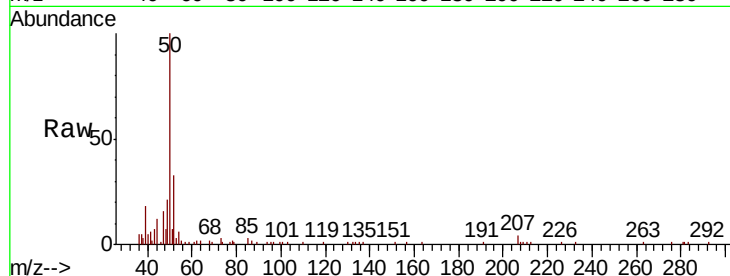
VF0511SBS02

Tot Ion: 50 Resp: 49831

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 19.735 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062477.D

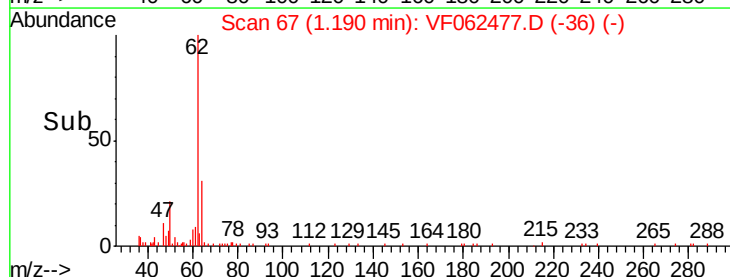
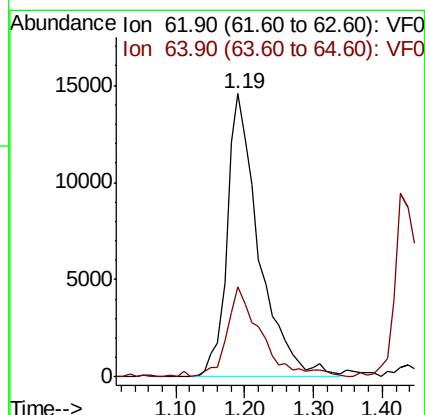
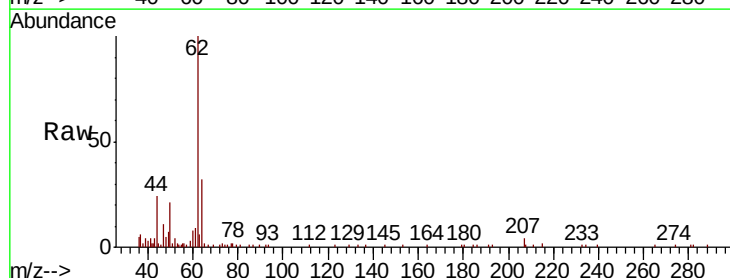
Acq: 12 May 2019 00:35

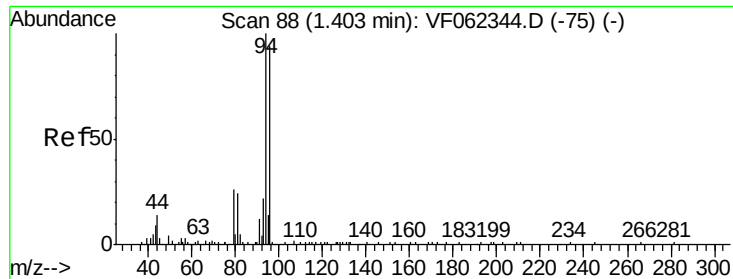
Tgt Ion: 62 Resp: 46869

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1





#5

Bromomethane

Concen: 21.842 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

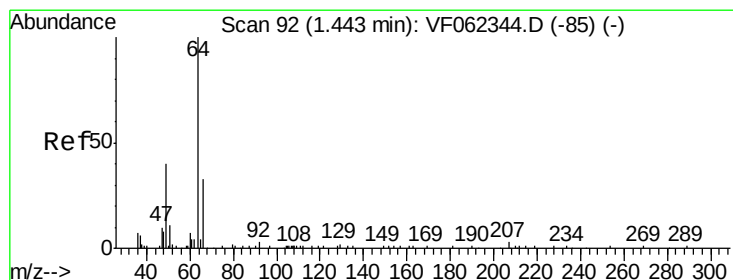
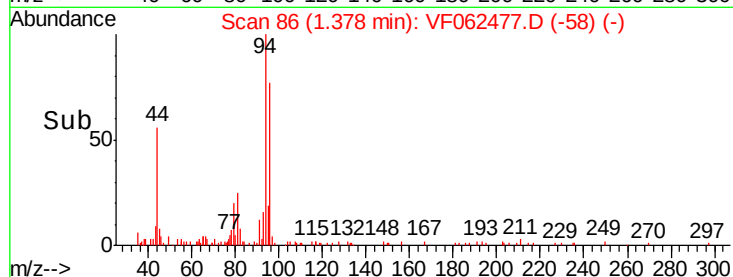
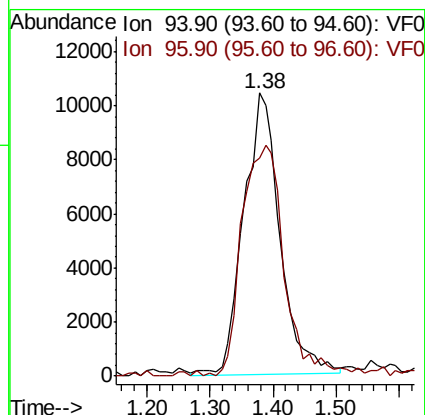
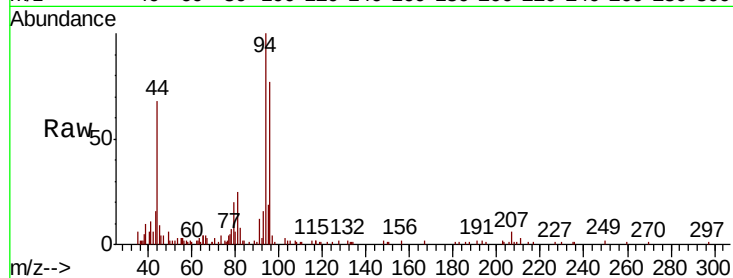
VF0511SBS02

Tot Ion: 94 Resp: 41675

Ion Ratio Lower Upper

94 100

96 77.7 75.4 113.2



#6

Chloroethane

Concen: 20.600 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062477.D

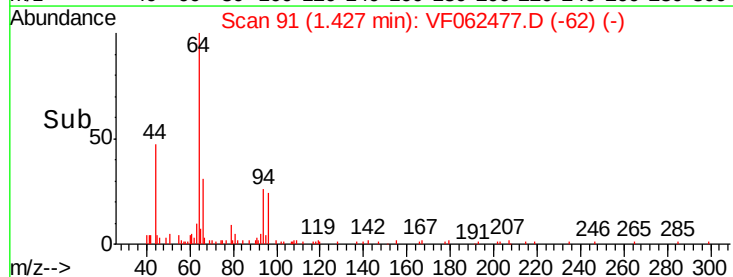
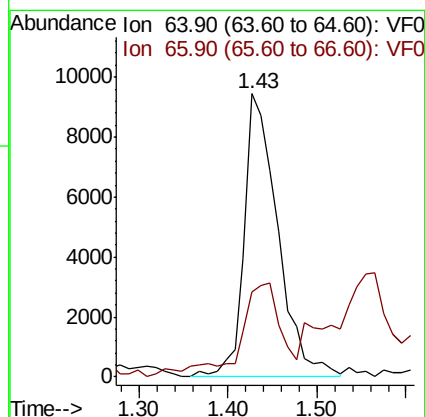
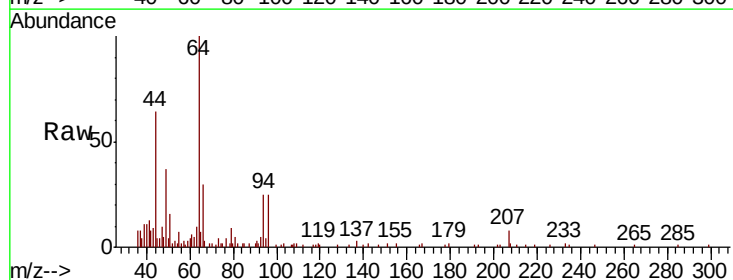
Acq: 12 May 2019 00:35

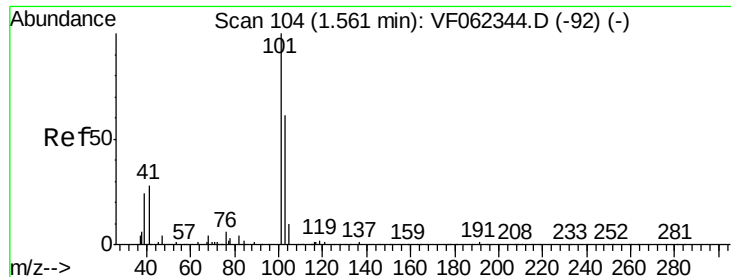
Tgt Ion: 64 Resp: 24596

Ion Ratio Lower Upper

64 100

66 26.1 26.6 39.8#



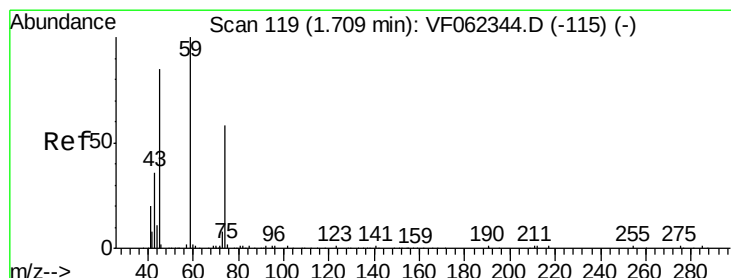
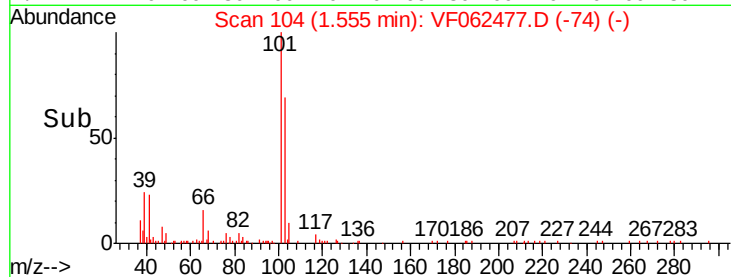
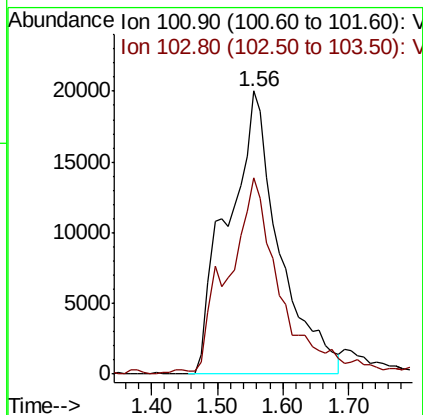
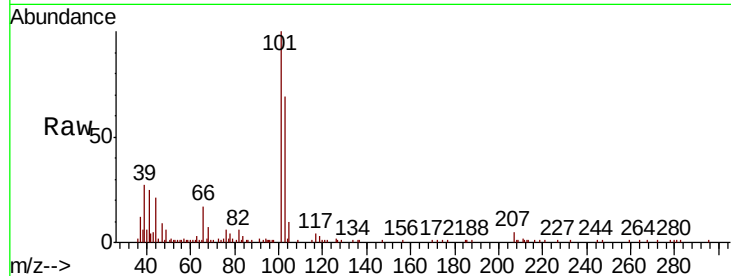


#7

Trichlorofluoromethane
 Concen: 22.079 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

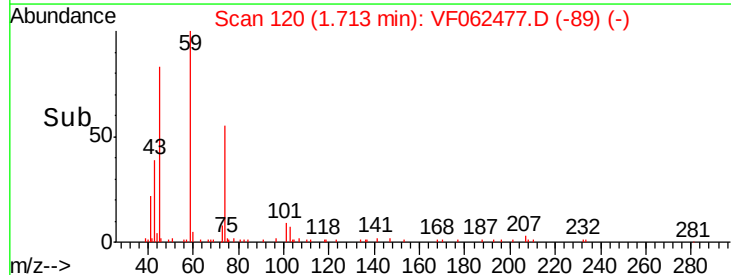
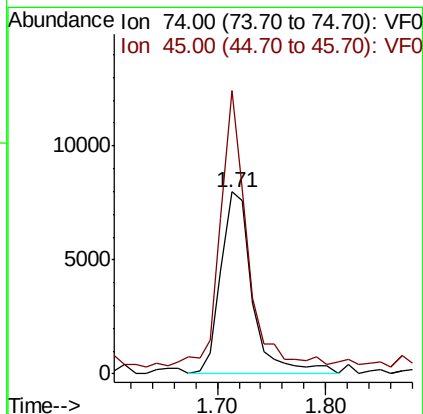
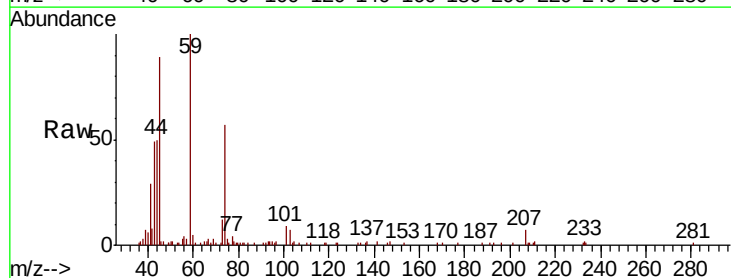
Tot Ion:101 Resp: 108794
 Ion Ratio Lower Upper
 101 100
 103 68.3 48.5 72.7

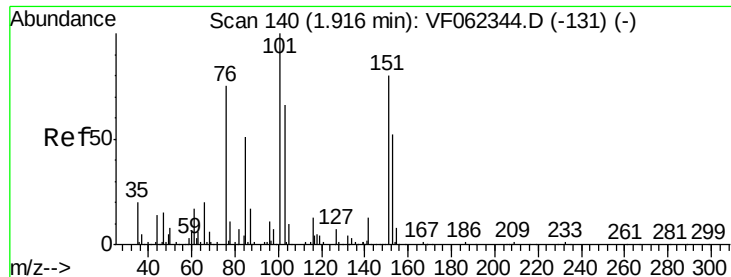


#8

Diethyl Ether
 Concen: 22.052 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 74 Resp: 16442
 Ion Ratio Lower Upper
 74 100
 45 126.1 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.450 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

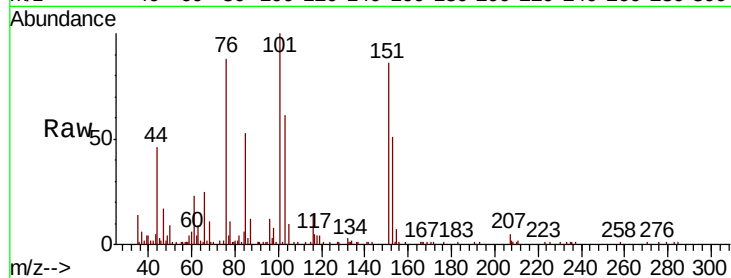
Tot Ion:101 Resp: 63157

Ion Ratio Lower Upper

101 100

85 51.5 39.5 59.3

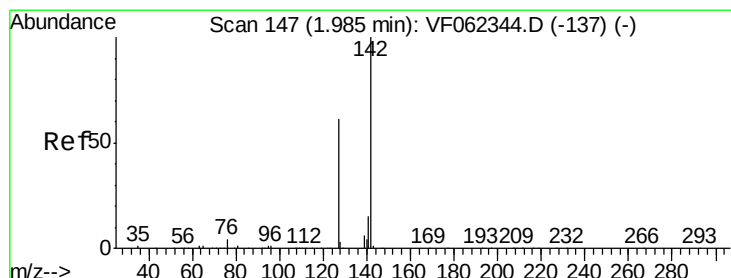
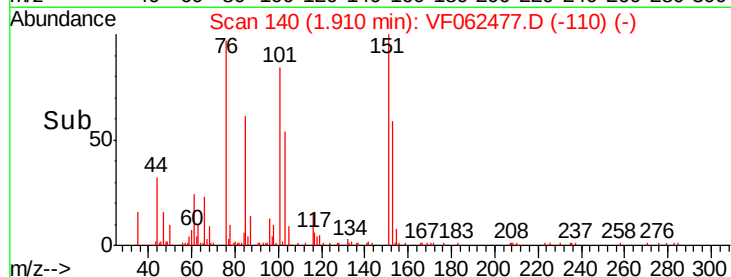
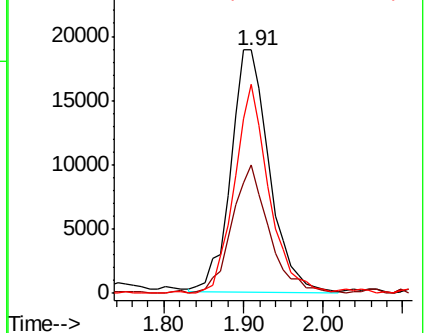
151 77.5 59.9 89.9



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: 23.014 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

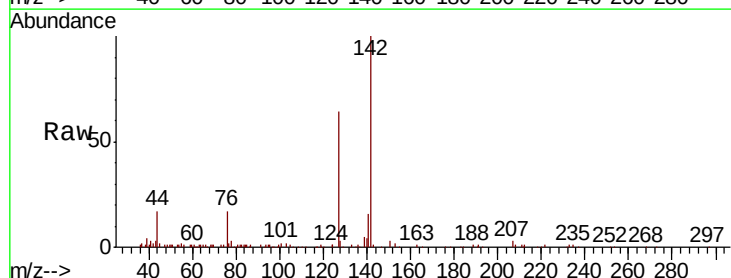
Tgt Ion:142 Resp: 106694

Ion Ratio Lower Upper

142 100

127 61.1 48.4 72.6

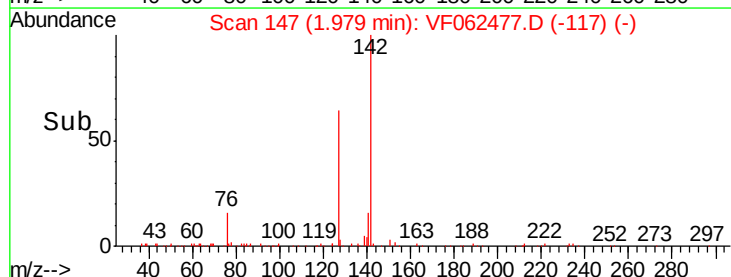
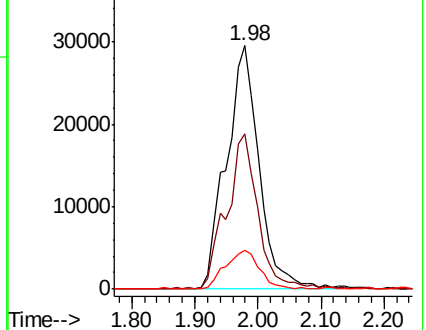
141 16.7 12.2 18.4

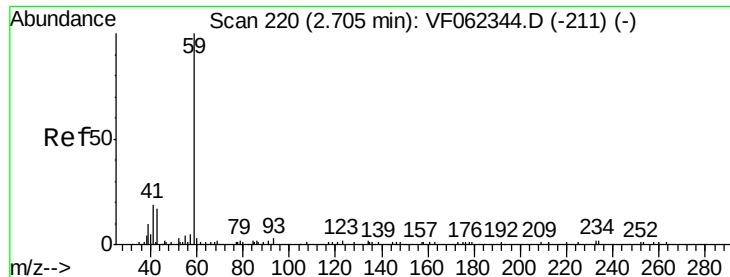


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



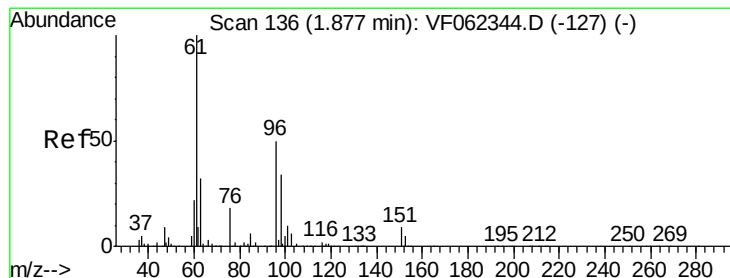
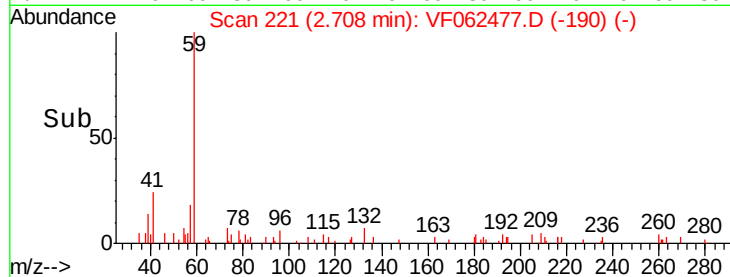
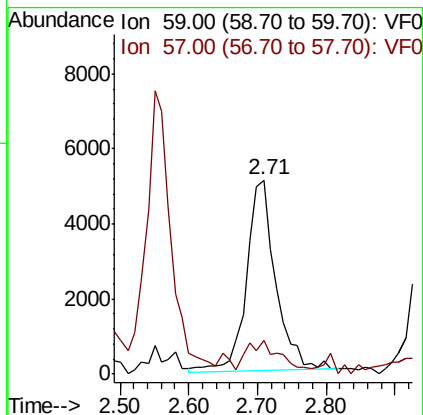
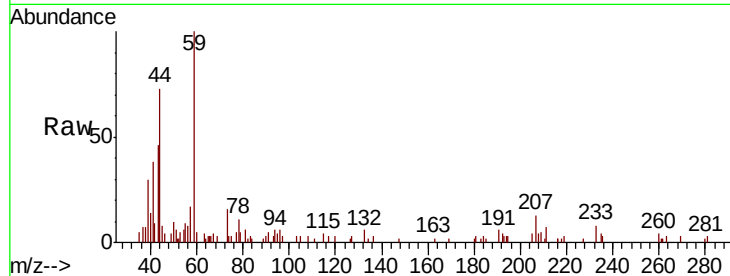


#11

Tert butyl alcohol
 Concen: 90.518 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

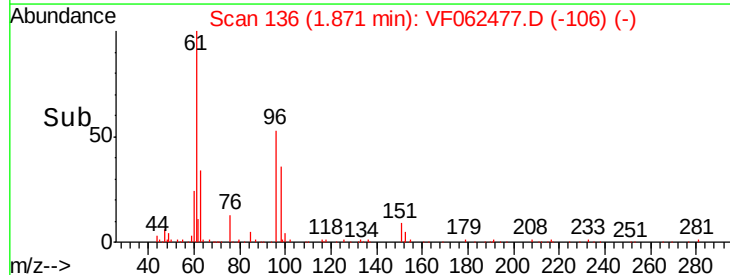
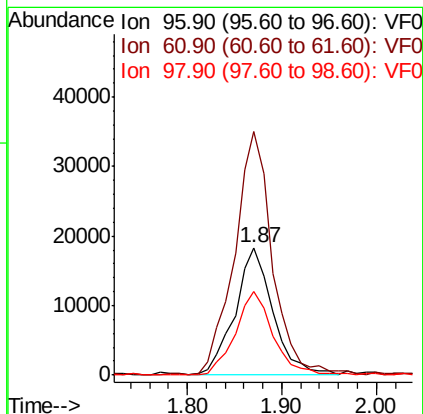
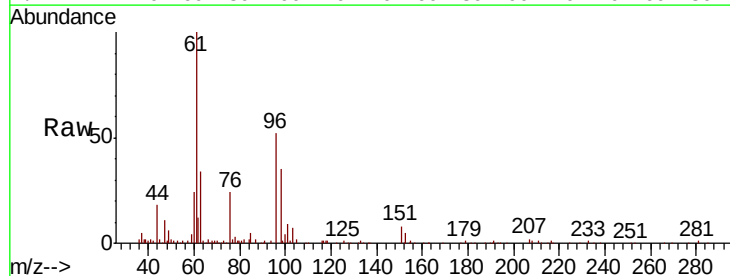
Tot Ion: 59 Resp: 15081
 Ion Ratio Lower Upper
 59 100
 57 18.3 9.3 13.9#

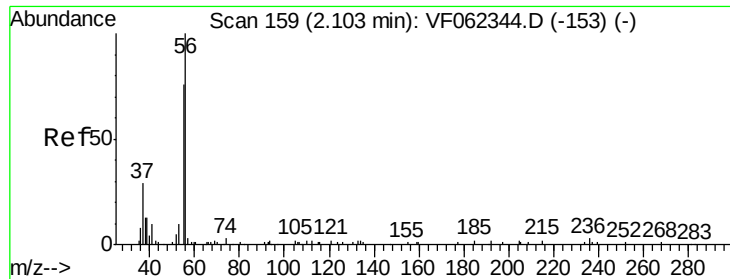


#12

1,1-Dichloroethene
 Concen: 21.107 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 96 Resp: 50479
 Ion Ratio Lower Upper
 96 100
 61 191.9 163.2 244.8
 98 66.4 55.2 82.8

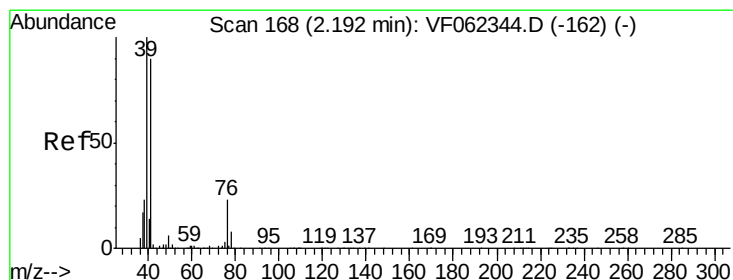
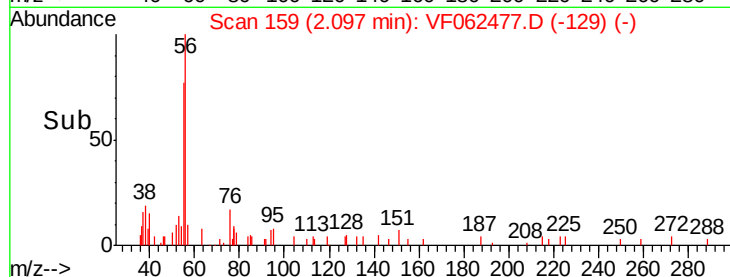
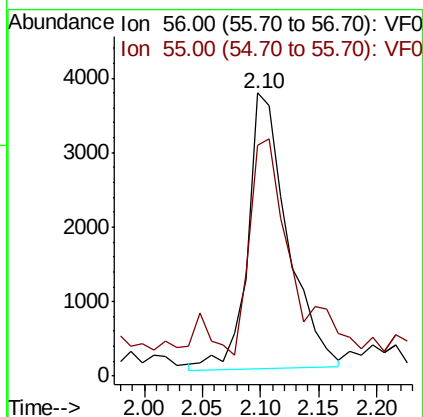
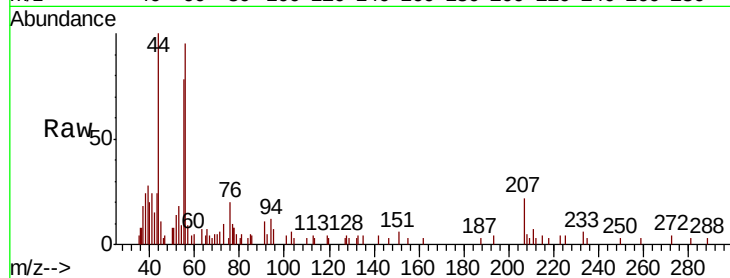




#13
Acrolein
Concen: 70.378 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

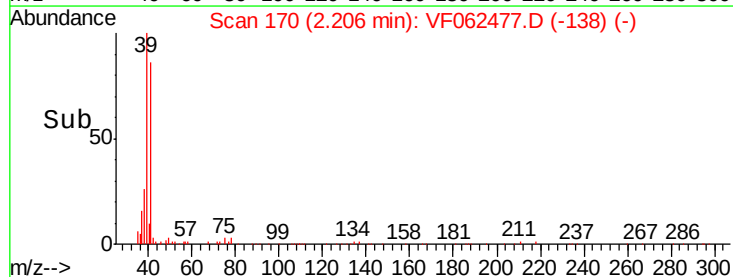
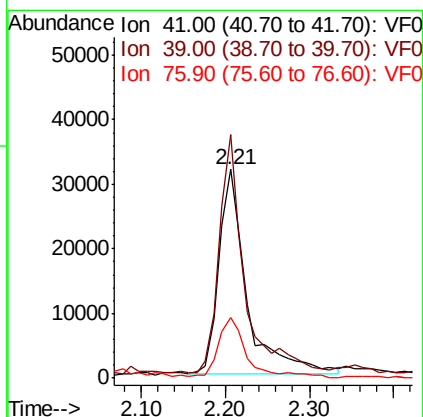
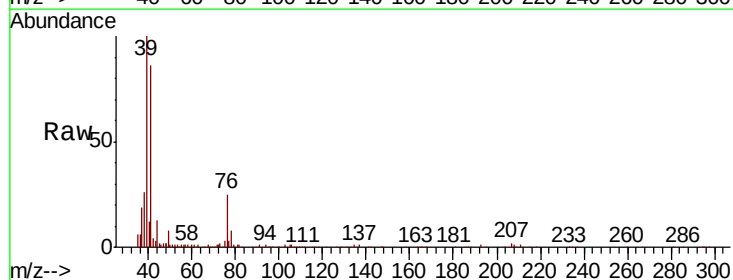
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

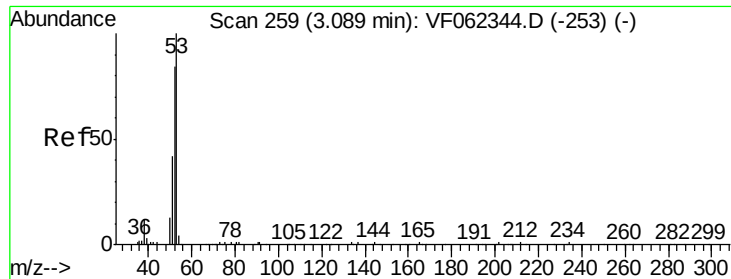
Tot Ion: 56 Resp: 8810
Ion Ratio Lower Upper
56 100
55 81.8 58.4 87.6



#14
Allyl chloride
Concen: 34.060 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 41 Resp: 71956
Ion Ratio Lower Upper
41 100
39 107.3 90.8 136.2
76 30.1 22.2 33.4





#15

Acrylonitrile

Concen: 99.553 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

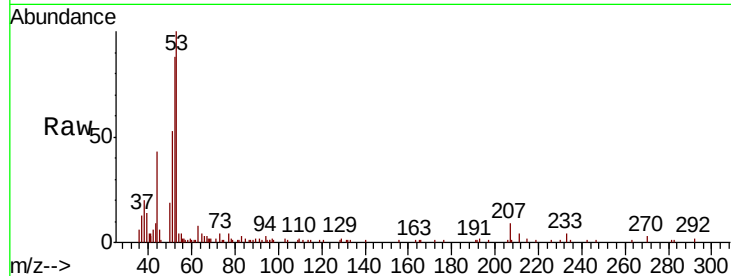
MSVOA_F

ClientSampleId :

VF0511SBS02

Tot Ion: 53 Resp: 31419

Ion	Ratio	Lower	Upper
53	100		
52	99.5	77.2	115.8
51	58.3	40.6	61.0

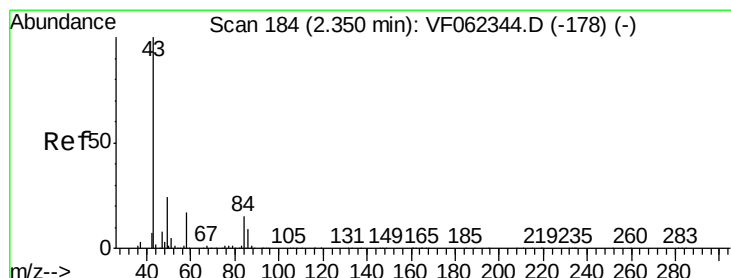
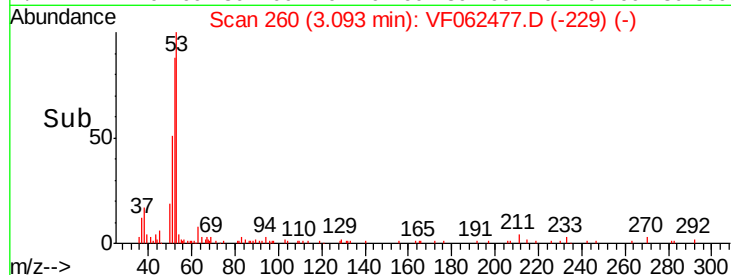
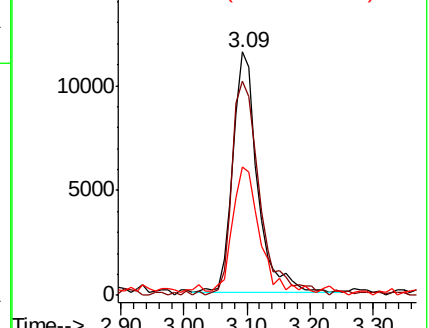


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 87.109 ug/l

RT: 2.35 min Scan# 185

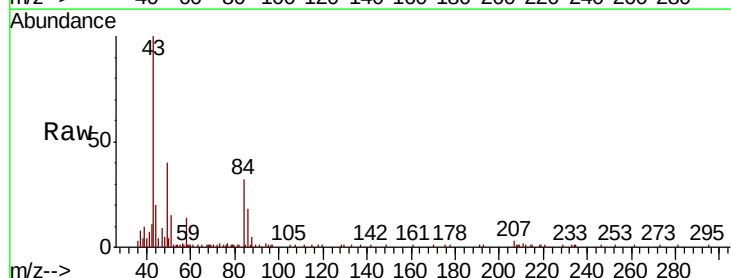
Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion: 43 Resp: 51947

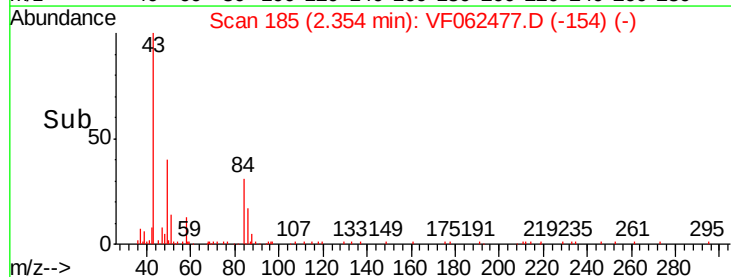
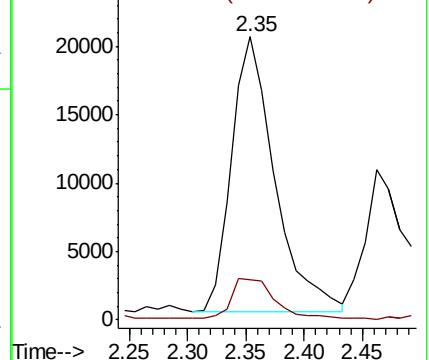
Ion	Ratio	Lower	Upper
43	100		
58	13.9	13.1	19.7

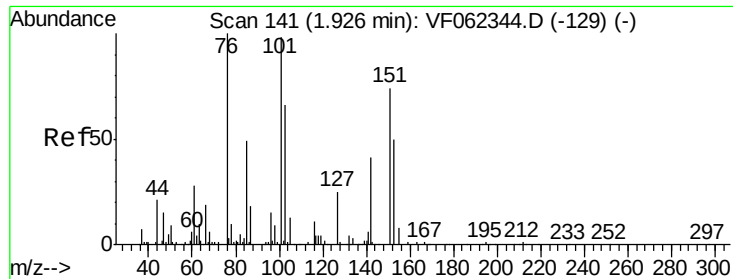


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

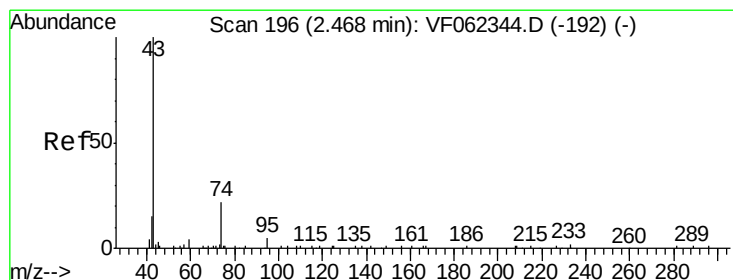
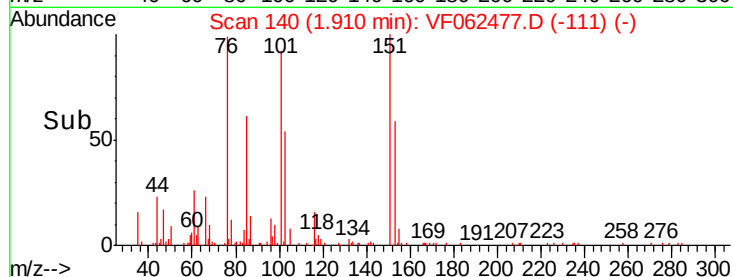
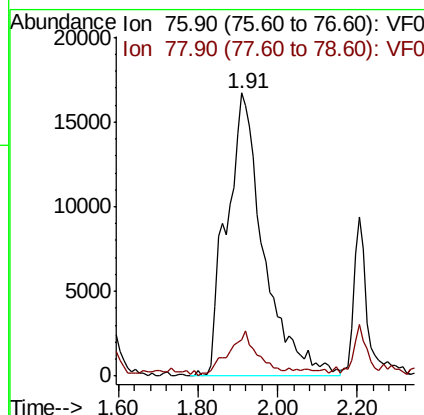
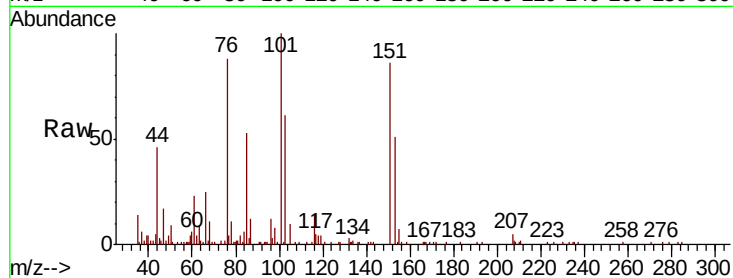




#17
Carbon Disulfide
Concen: 20.854 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

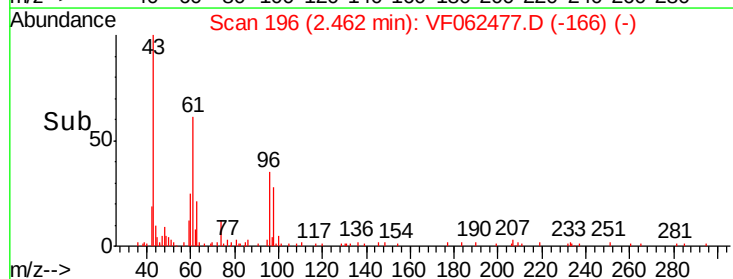
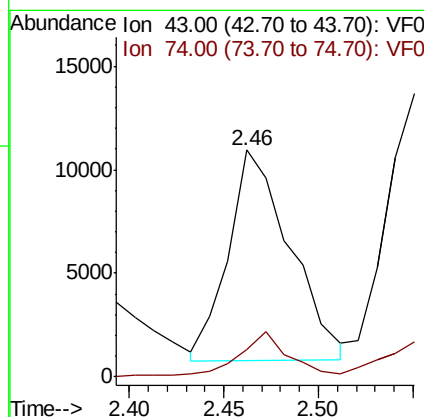
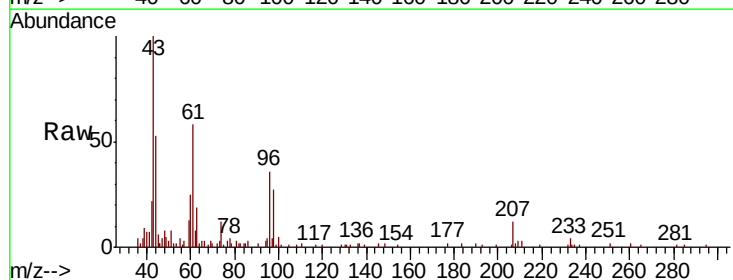
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

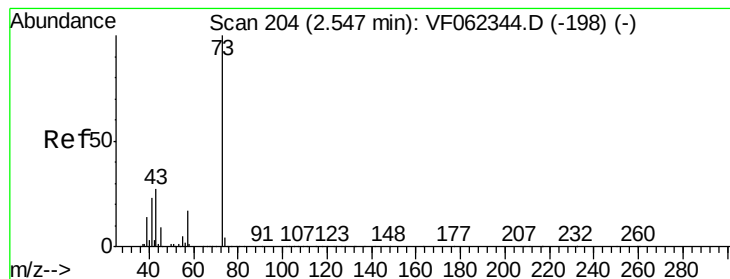
Tot Ion: 76 Resp: 108747
Ion Ratio Lower Upper
76 100
78 11.9 9.0 13.4



#18
Methyl Acetate
Concen: 19.195 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 43 Resp: 22974
Ion Ratio Lower Upper
43 100
74 18.3 15.0 22.4



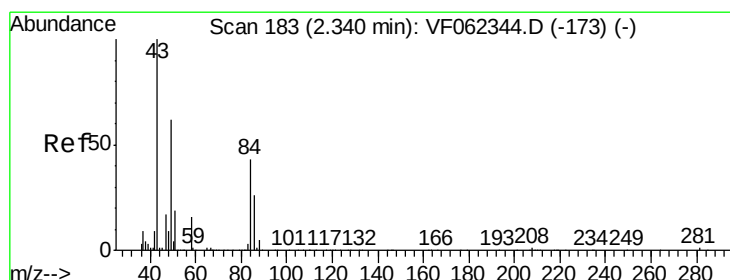
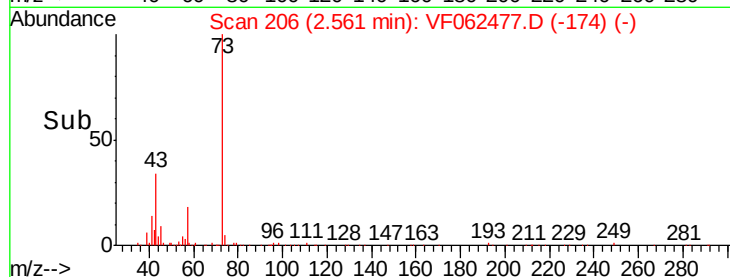
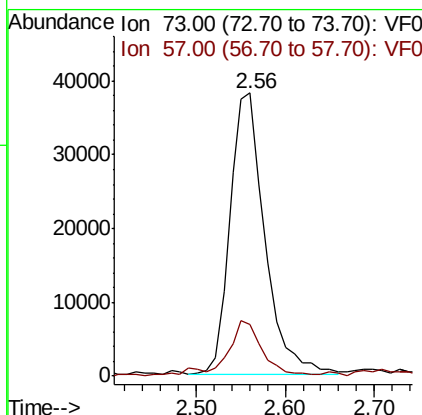
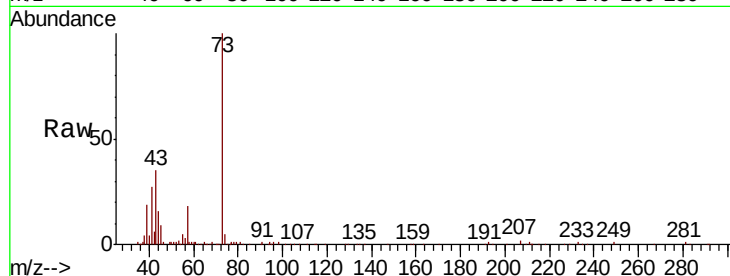


#19

Methyl tert-butyl Ether
 Concen: 21.160 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

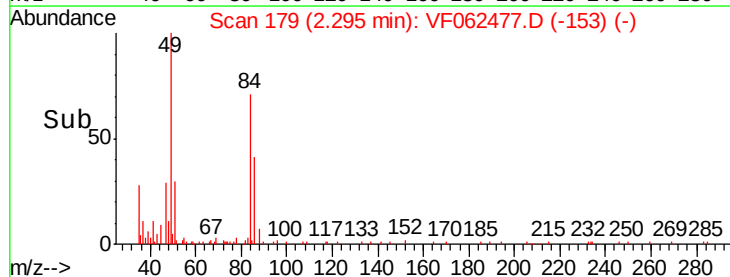
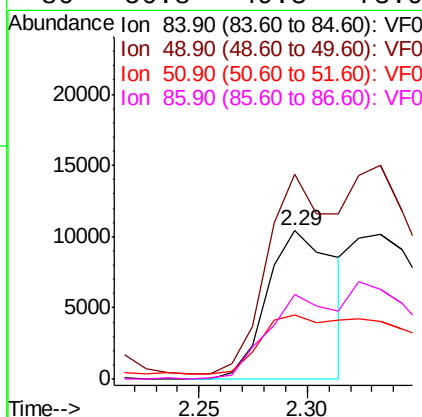
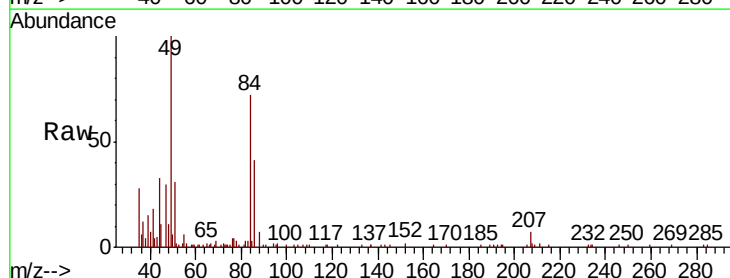
Tot Ion: 73 Resp: 104461
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.7 20.5

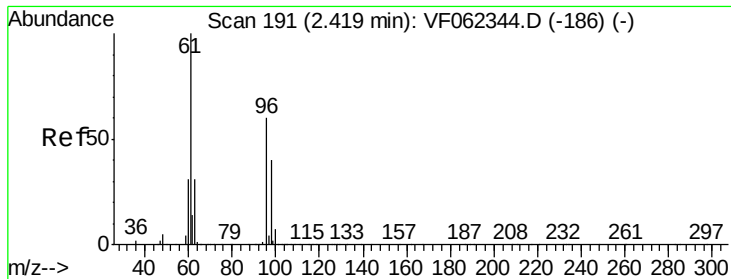


#20

Methylene Chloride
 Concen: 10.599 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. -0.05 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 84 Resp: 22869
 Ion Ratio Lower Upper
 84 100
 49 135.2 117.5 176.3
 51 39.6 37.0 55.4
 86 56.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.749 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

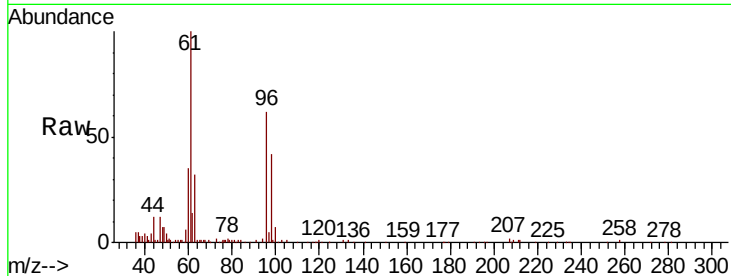
Tot Ion: 96 Resp: 45001

Ion Ratio Lower Upper

96 100

61 160.5 133.2 199.8

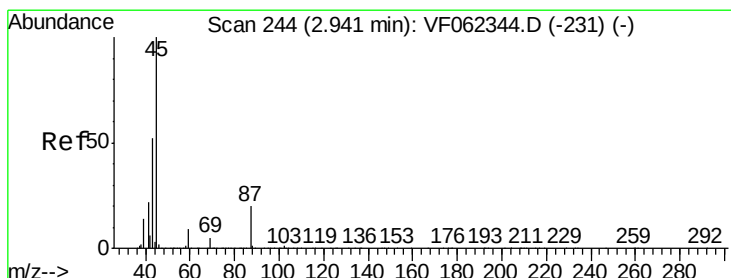
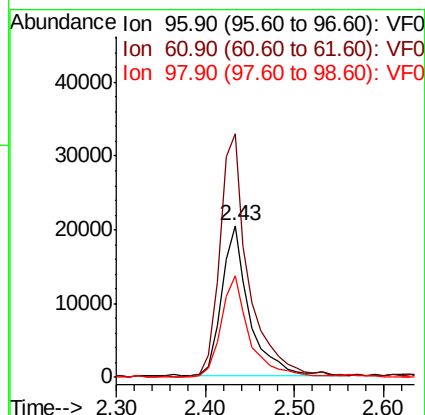
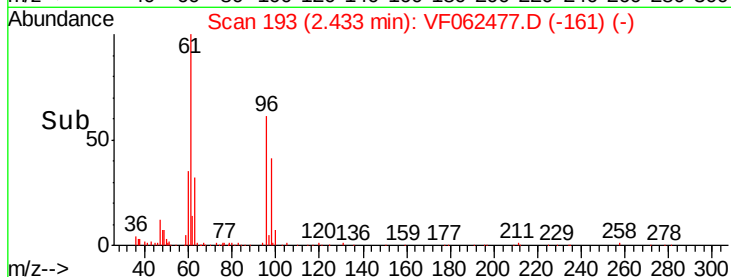
98 67.2 53.1 79.7



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



#22

Diisopropyl ether

Concen: 21.332 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion: 45 Resp: 140851

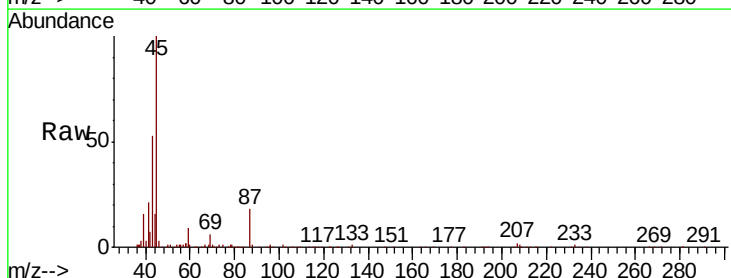
Ion Ratio Lower Upper

45 100

43 51.8 41.4 62.0

87 18.4 15.8 23.6

59 8.9 7.2 10.8

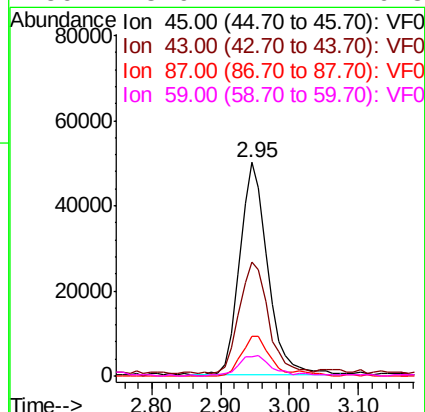
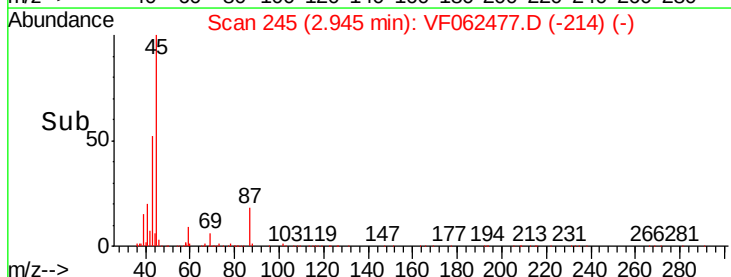


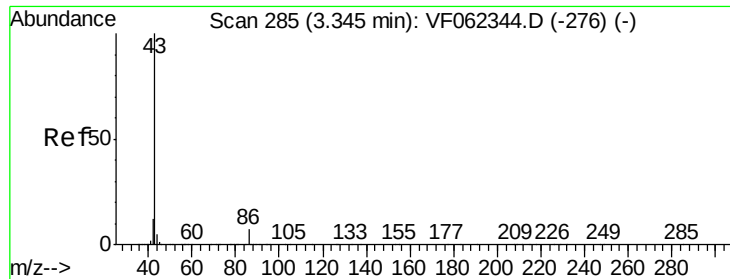
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 105.053 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

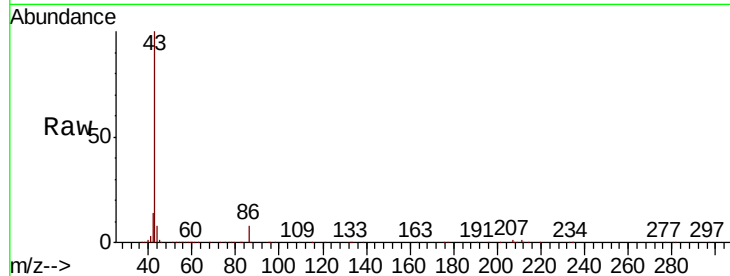
VF0511SBS02

Tot Ion: 43 Resp: 309152

Ion Ratio Lower Upper

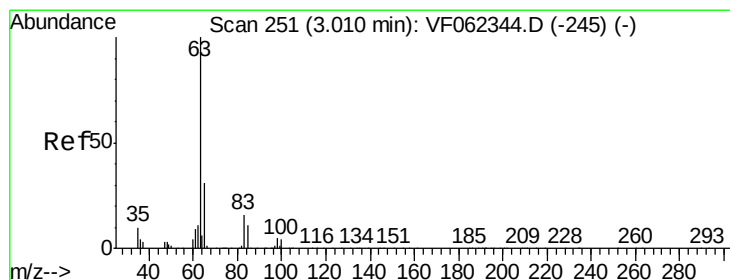
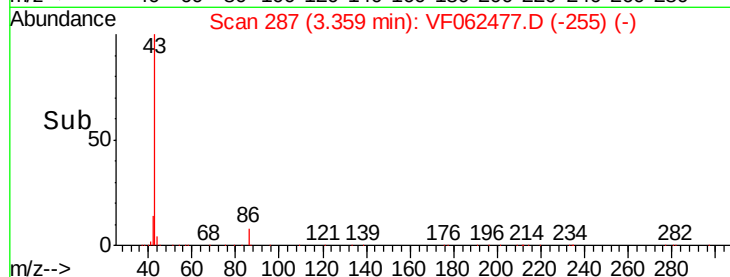
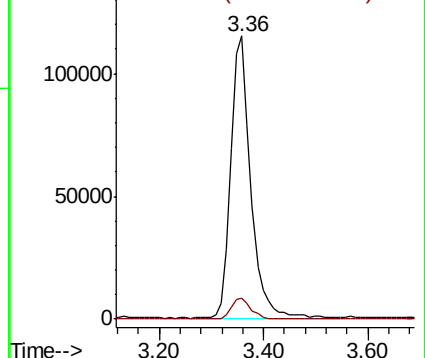
43 100

86 7.6 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.721 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

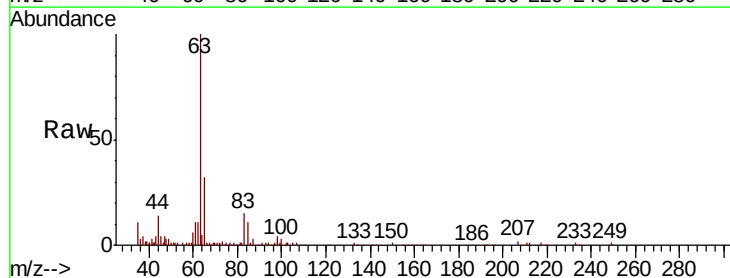
Tgt Ion: 63 Resp: 90671

Ion Ratio Lower Upper

63 100

98 3.8 2.6 8.0

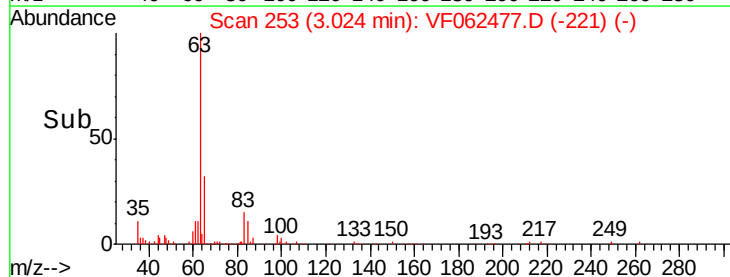
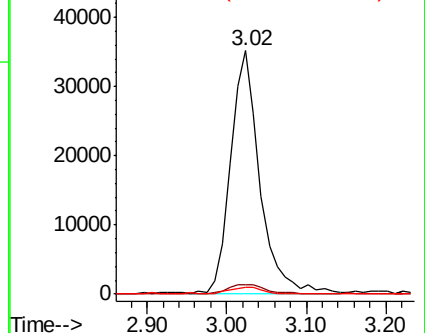
100 2.8 1.8 5.4

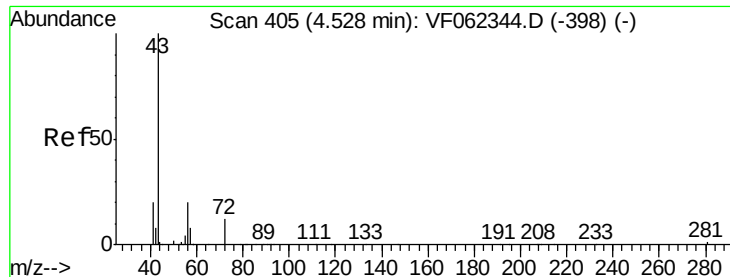


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 92.322 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

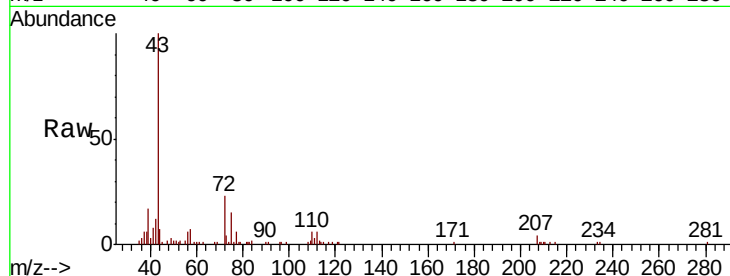
VF0511SBS02

Tot Ion: 43 Resp: 69168

Ion Ratio Lower Upper

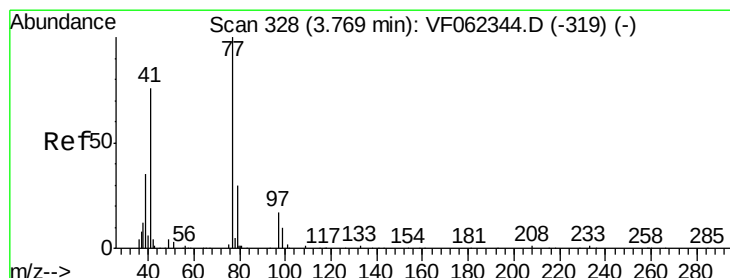
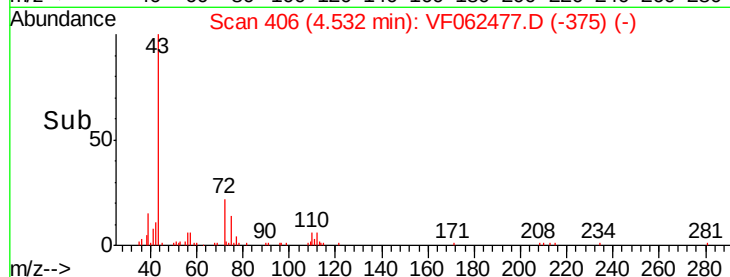
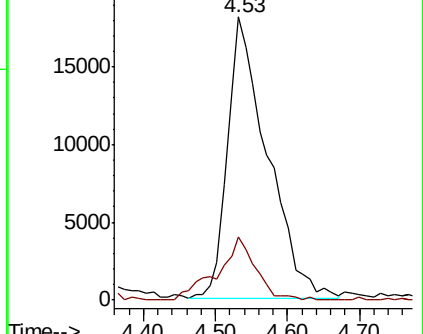
43 100

72 22.7 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 23.726 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062477.D

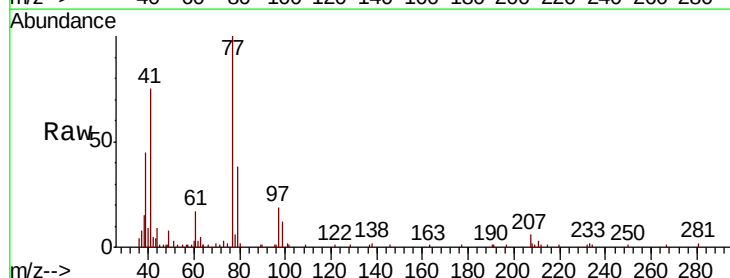
Acq: 12 May 2019 00:35

Tgt Ion: 77 Resp: 52875

Ion Ratio Lower Upper

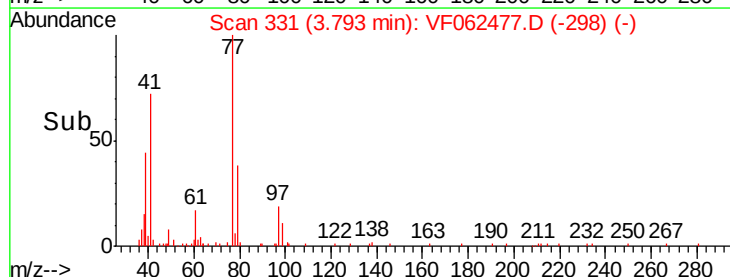
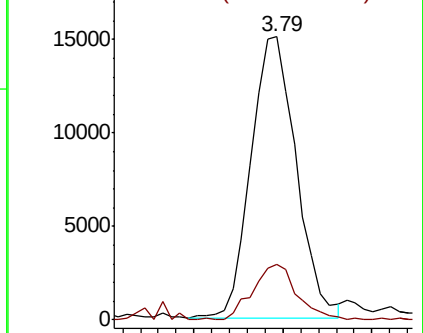
77 100

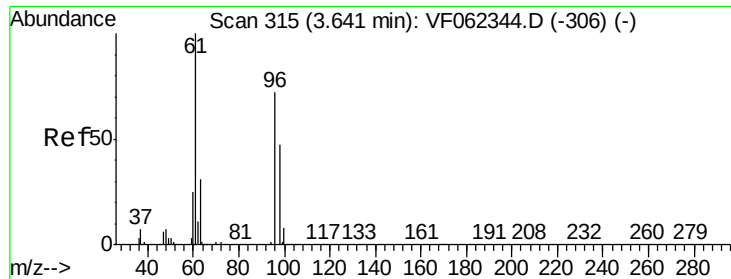
97 19.4 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



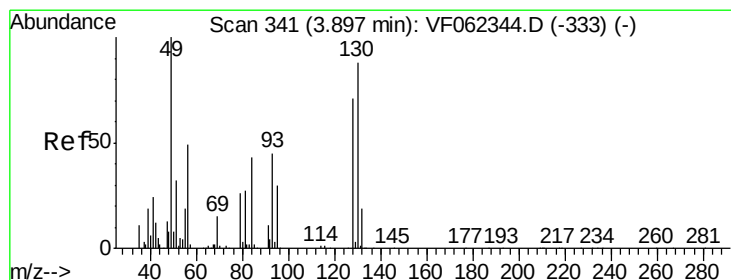
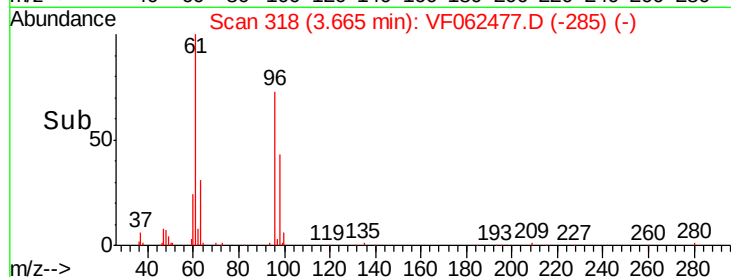
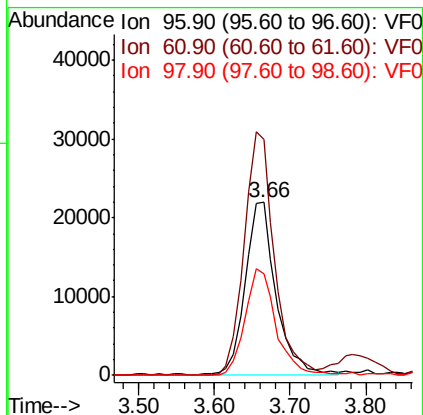
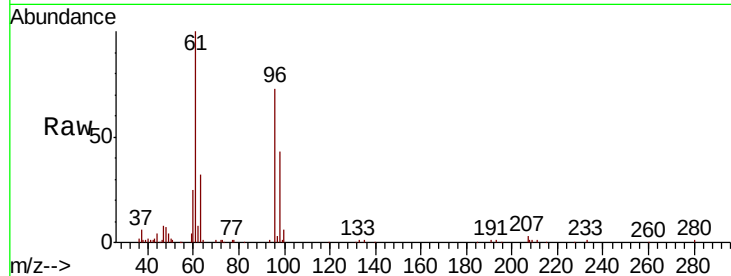


#27

cis-1,2-Dichloroethene
 Concen: 22.121 ug/l
 RT: 3.66 min Scan# 318
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

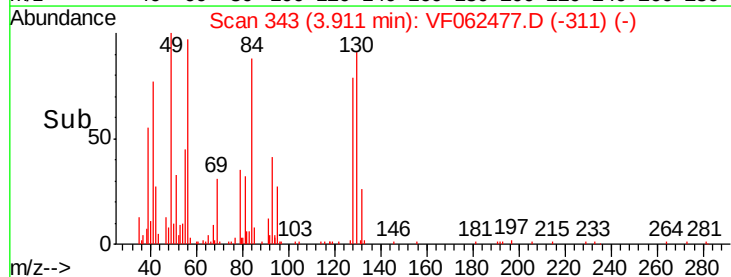
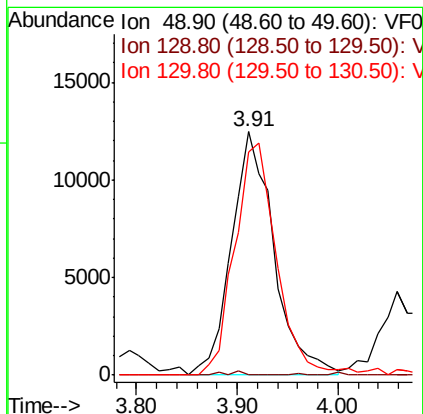
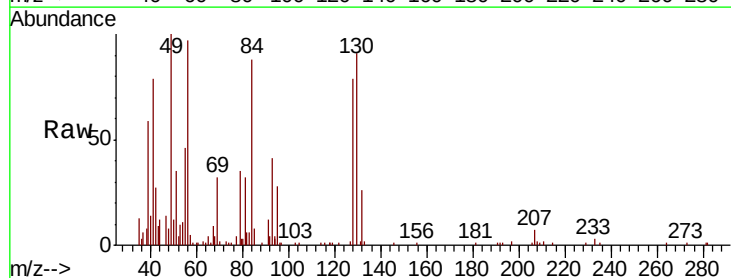
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	263.0
98	61.6	0.0	130.8

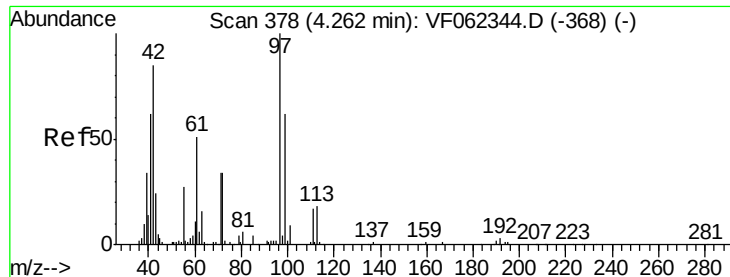


#28

Bromochloromethane
 Concen: 20.179 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	94.7	79.4	119.0





#29

Tetrahydrofuran

Concen: 96.660 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

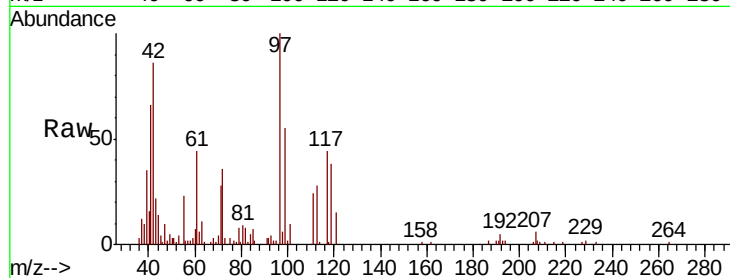
Tot Ion: 42 Resp: 33283

Ion Ratio Lower Upper

42 100

72 36.9 31.4 47.0

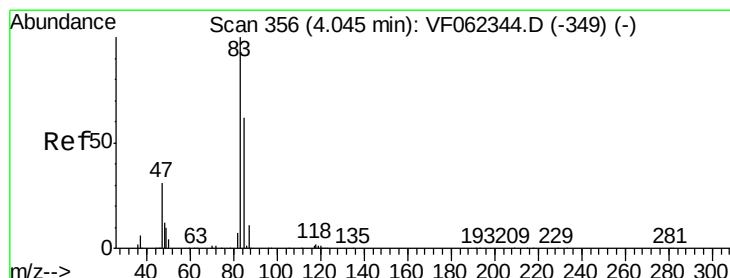
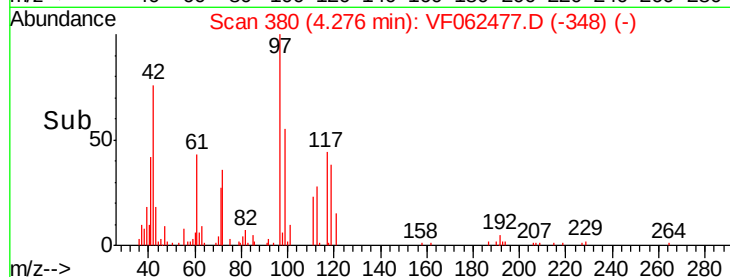
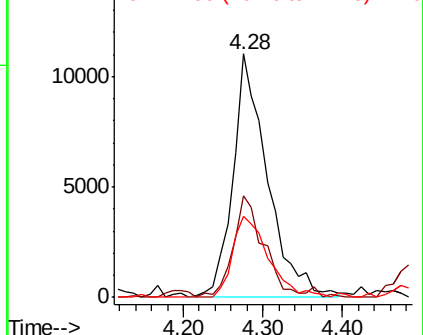
71 34.7 31.7 47.5



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: 24.079 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062477.D

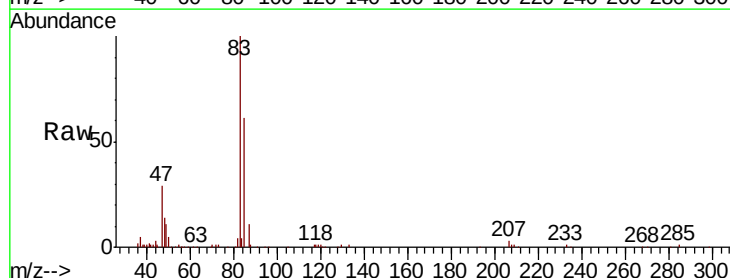
Acq: 12 May 2019 00:35

Tgt Ion: 83 Resp: 129816

Ion Ratio Lower Upper

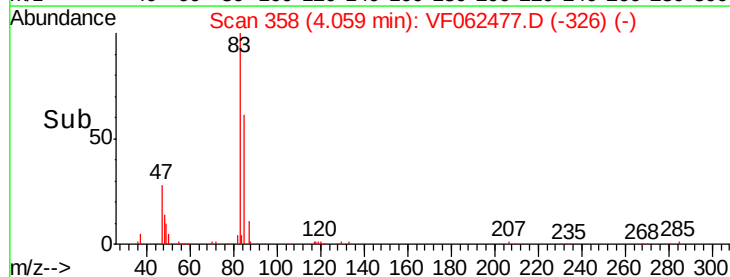
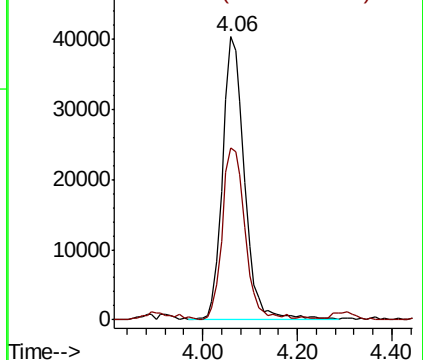
83 100

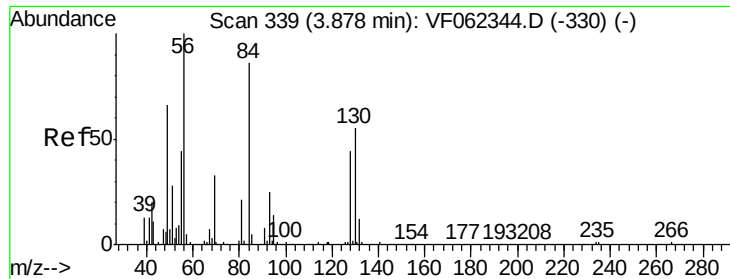
85 59.8 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

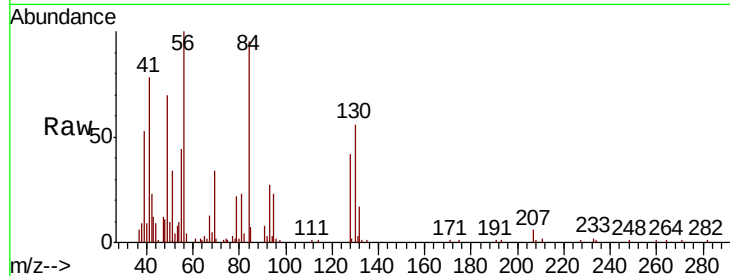




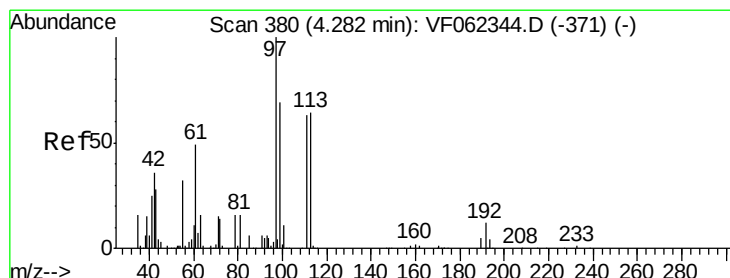
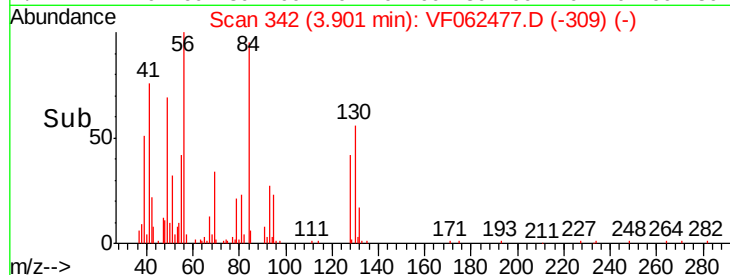
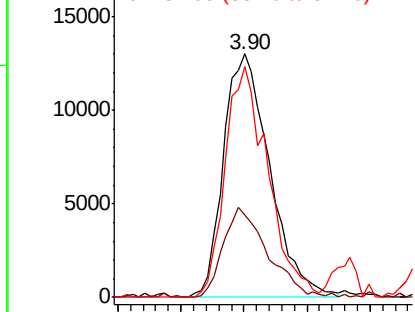
#31
Cyclohexane
Concen: 20.799 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Tot Ion: 56 Resp: 66249
Ion Ratio Lower Upper
56 100
69 33.8 26.4 39.6
84 95.0 69.0 103.6

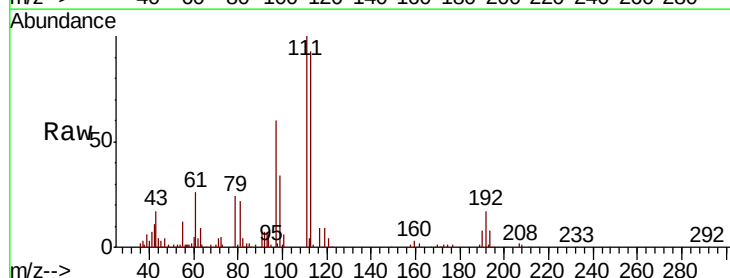


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

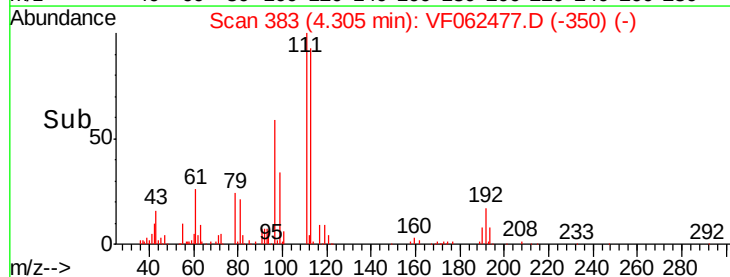
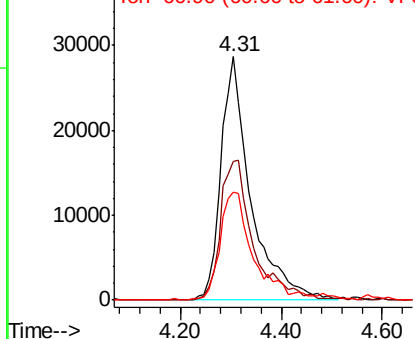


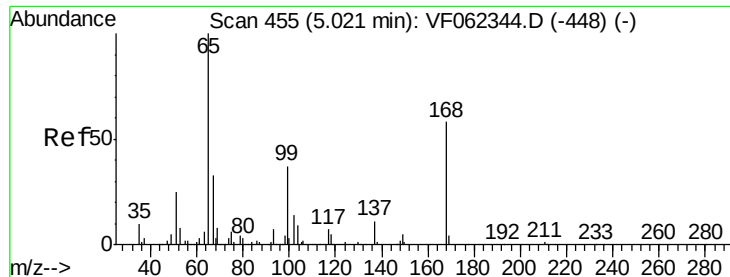
#32
1,1,1-Trichloroethane
Concen: 25.514 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 97 Resp: 117890
Ion Ratio Lower Upper
97 100
99 63.0 52.6 78.8
61 47.9 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0

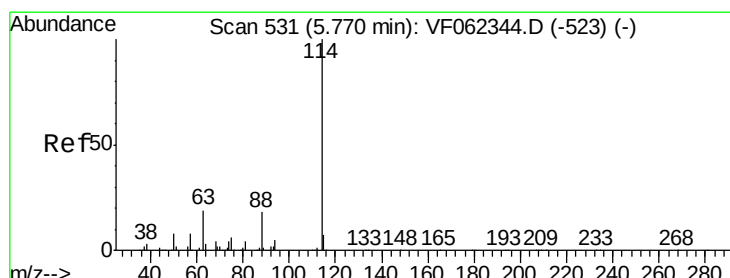
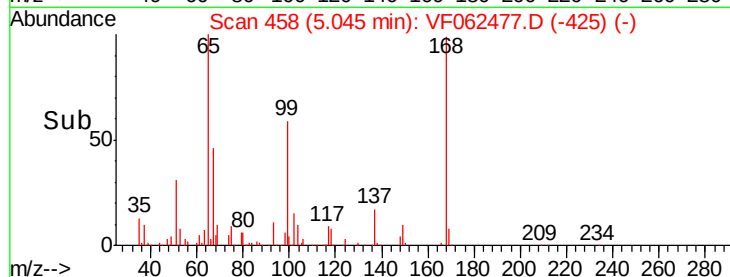
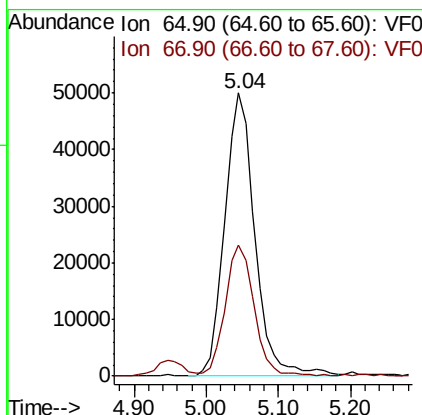
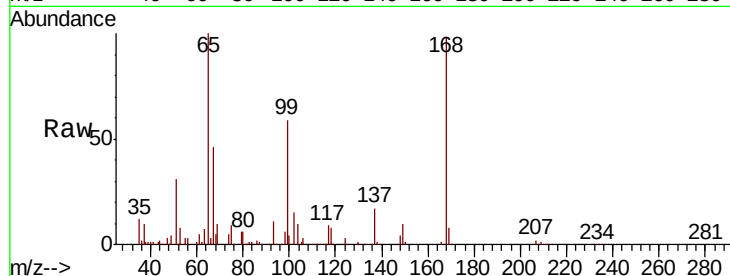




#33
 1,2-Dichloroethane-d4
 Concen: 49.292 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

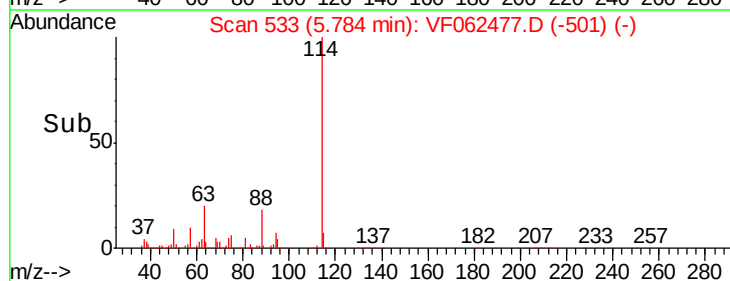
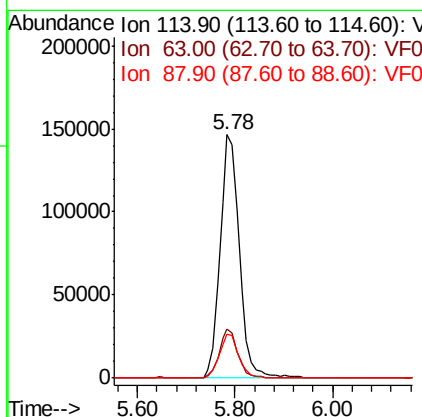
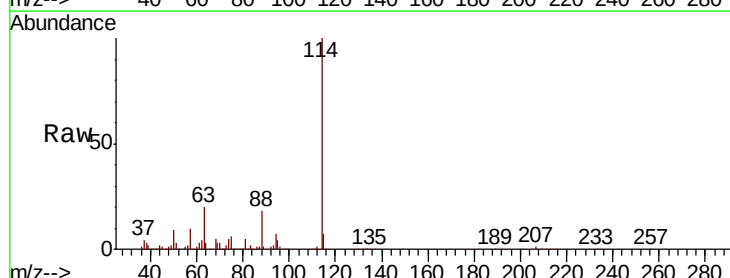
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

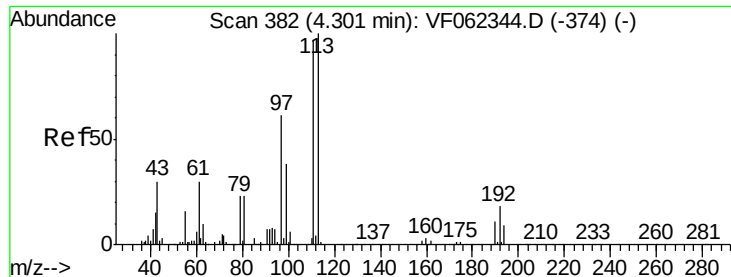
Tot Ion: 65 Resp: 145308
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 114 Resp: 404069
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 37.4
 88 17.8 0.0 36.4

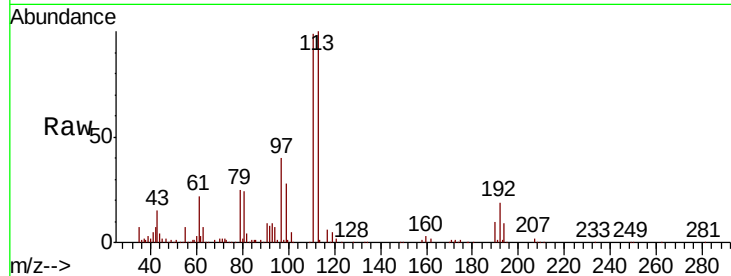




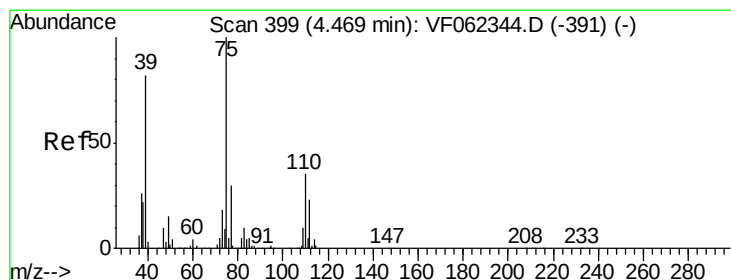
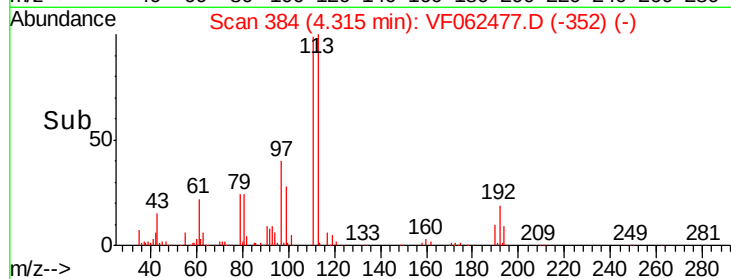
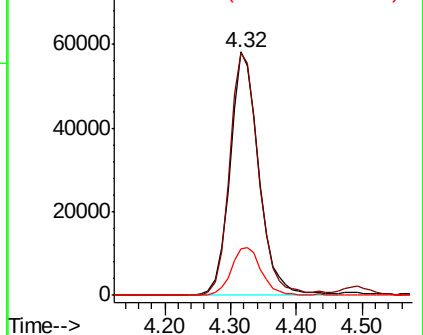
#35
 Dibromofluoromethane
 Concen: 55.533 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

Tot Ion:113 Resp: 178768
 Ion Ratio Lower Upper
 113 100
 111 100.0 79.4 119.0
 192 20.6 16.0 24.0

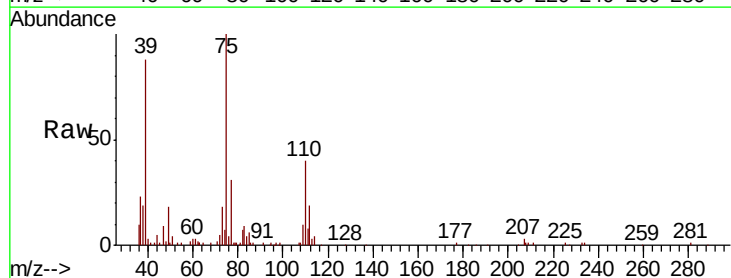


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

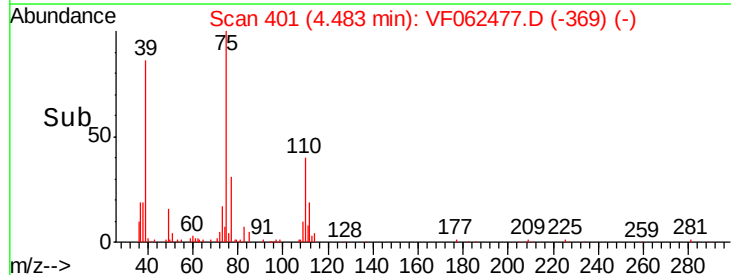
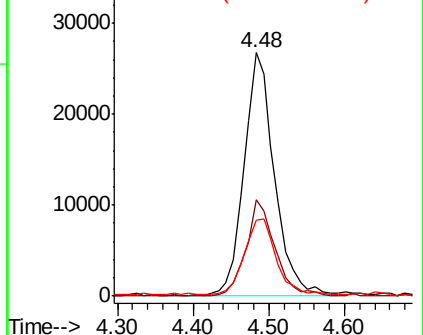


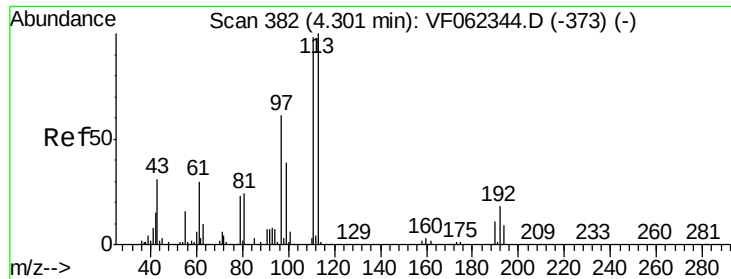
#36
 1,1-Dichloropropene
 Concen: 21.653 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 75 Resp: 75160
 Ion Ratio Lower Upper
 75 100
 110 37.2 17.2 51.5
 77 32.5 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

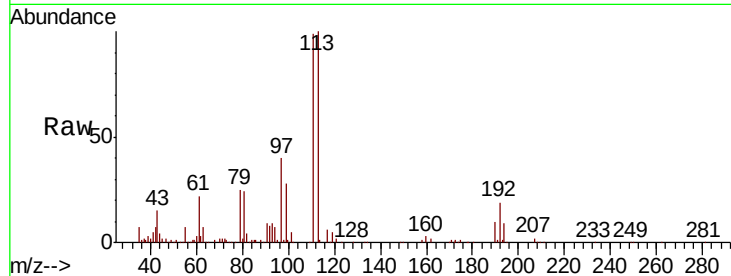




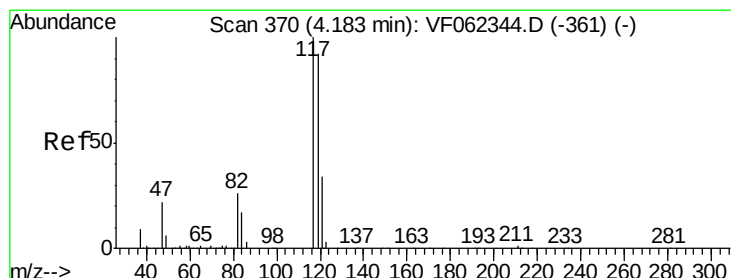
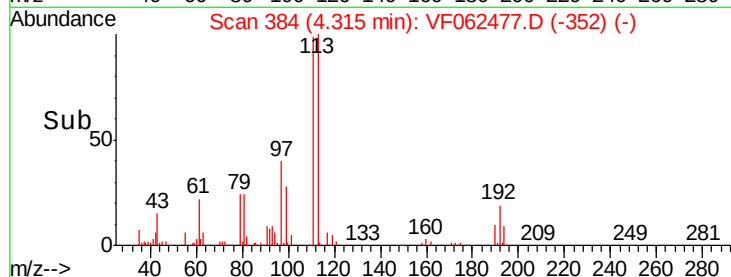
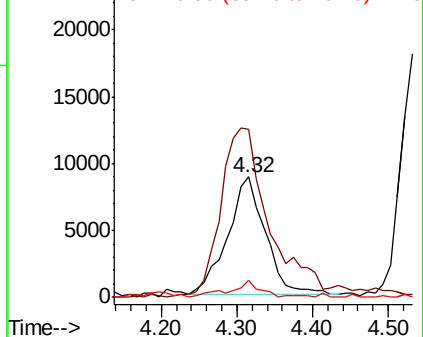
#37
Ethyl Acetate
Concen: 19.709 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tot Ion: 43 Resp: 30954
Ion Ratio Lower Upper
43 100
61 182.3 0.0 0.0#
70 11.6 8.2 12.2

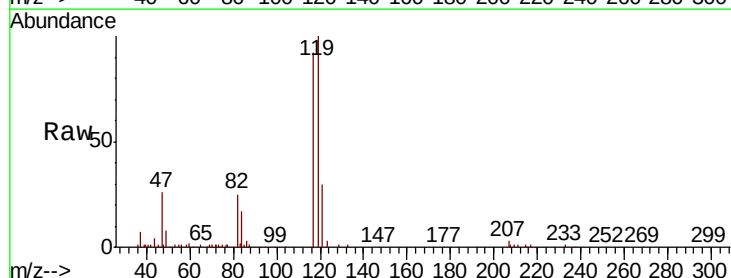


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

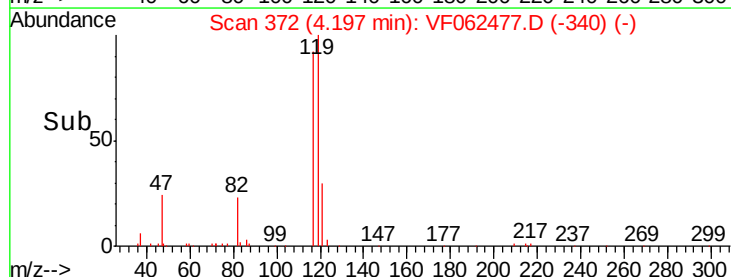
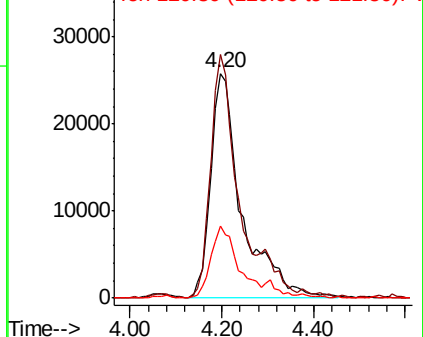


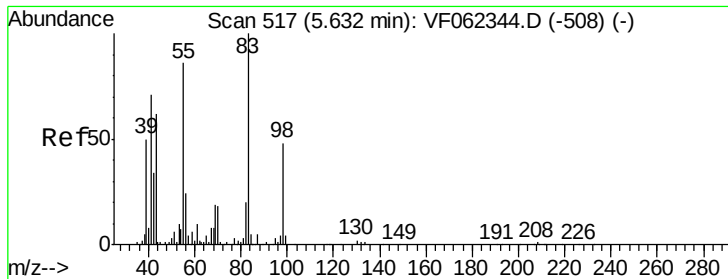
#38
Carbon Tetrachloride
Concen: 32.715 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 117 Resp: 121244
Ion Ratio Lower Upper
117 100
119 108.2 73.4 110.2
121 32.3 27.4 41.0



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

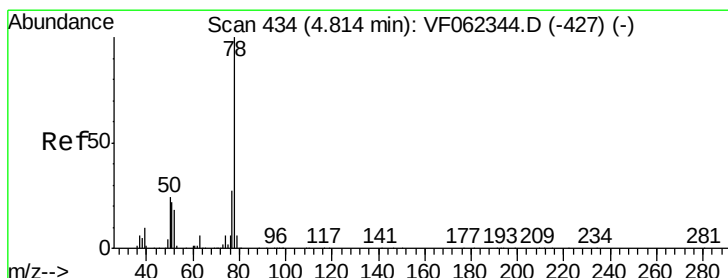
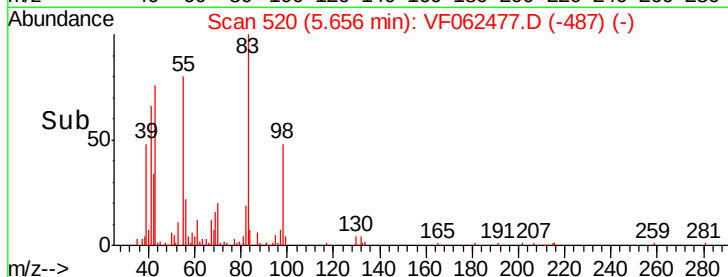
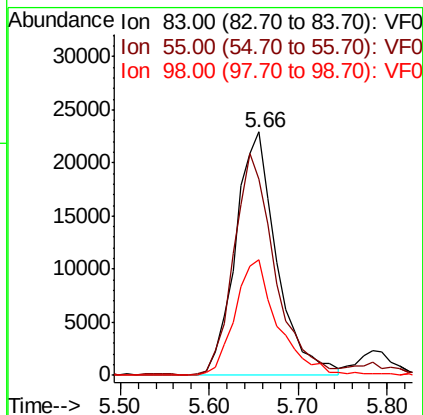
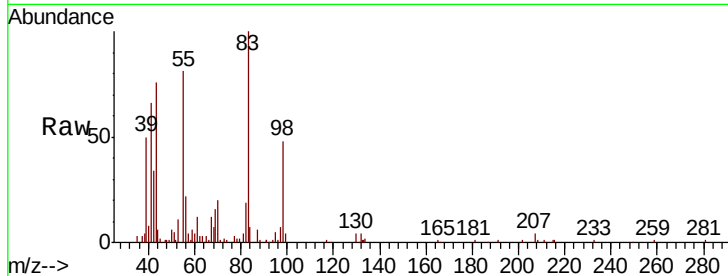




#39
Methylvlcyclohexane
Concen: 21.116 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

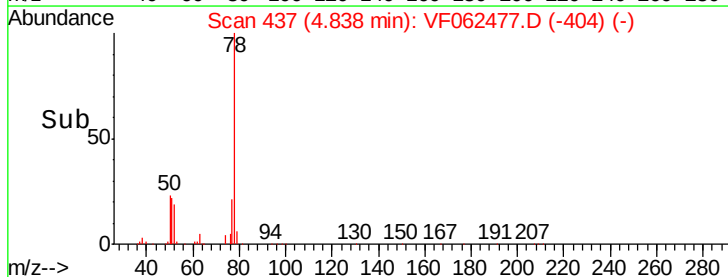
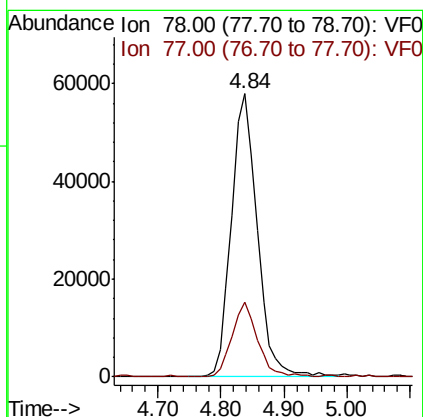
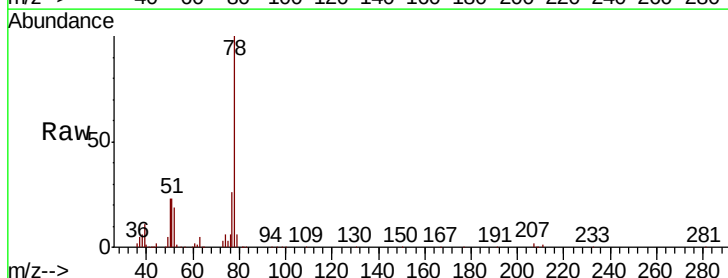
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

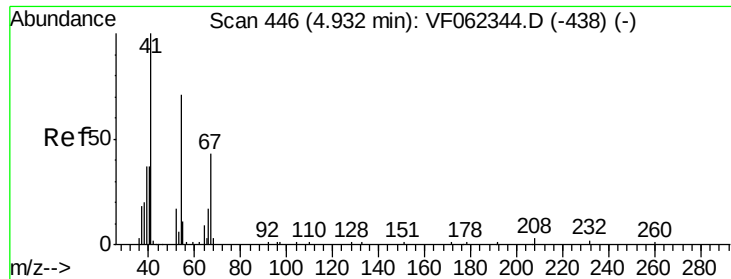
Tot Ion: 83 Resp: 73509
Ion Ratio Lower Upper
83 100
55 80.7 69.0 103.6
98 47.6 38.6 58.0



#40
Benzene
Concen: 21.489 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 78 Resp: 164250
Ion Ratio Lower Upper
78 100
77 26.3 21.6 32.4

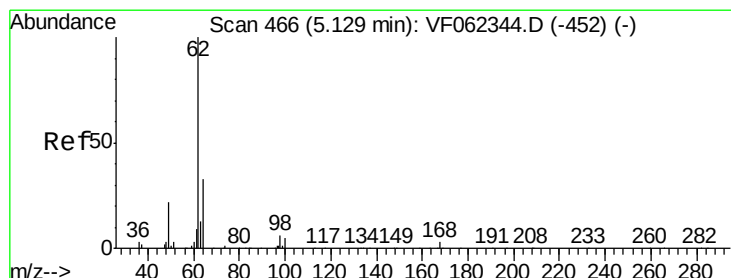
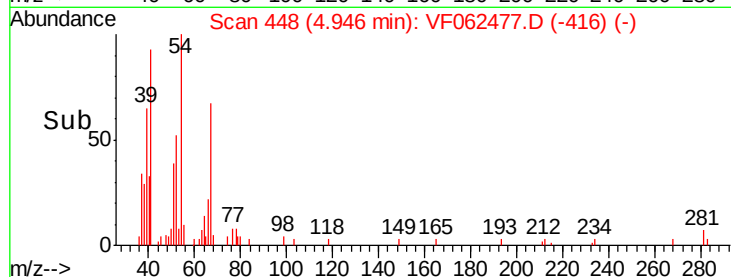
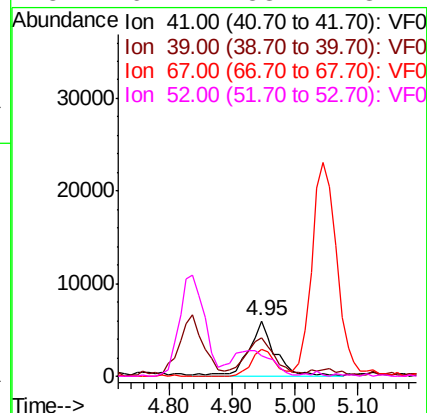
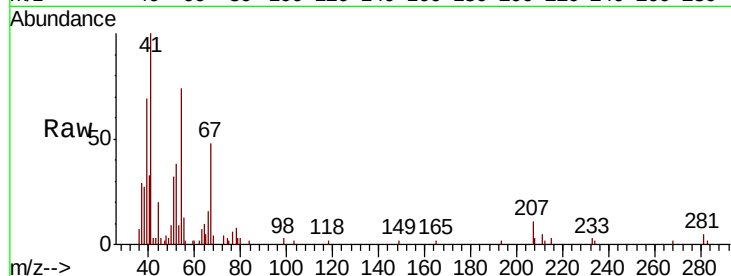




#41
Methacrylonitrile
Concen: 20.973 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

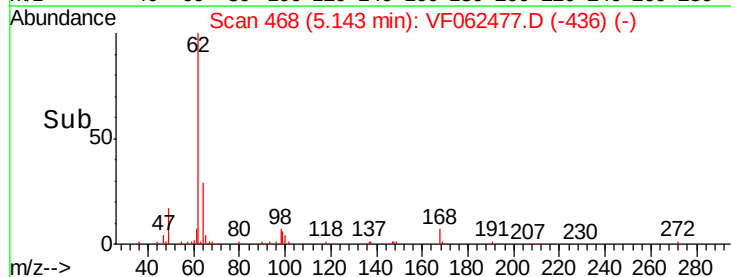
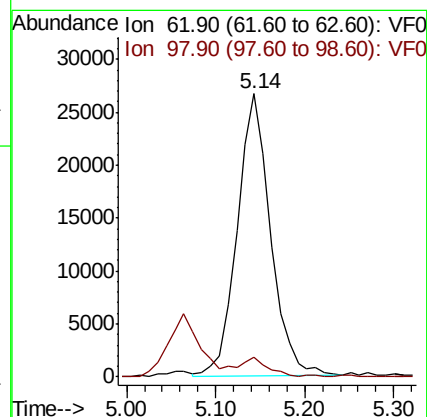
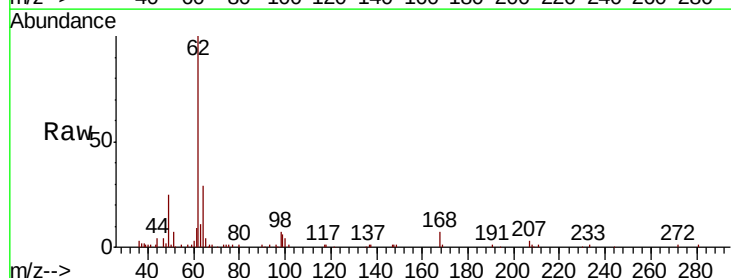
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

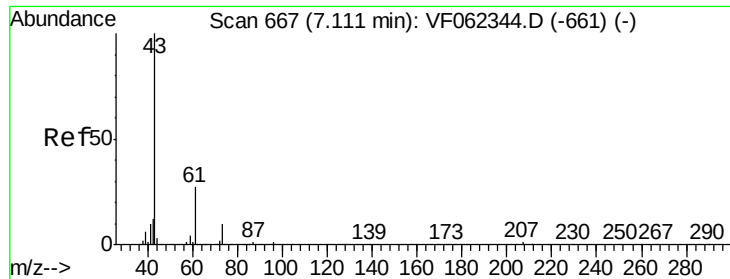
Tot Ion:	41	Resp:	17456
Ion	Ratio	Lower	Upper
41	100		
39	72.8	54.3	81.5
67	45.6	37.8	56.8
52	67.2	58.2	87.4



#42
1,2-Dichloroethane
Concen: 21.634 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:	62	Resp:	69159
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	12.4





#43

Isopropyl Acetate

Concen: 21.190 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

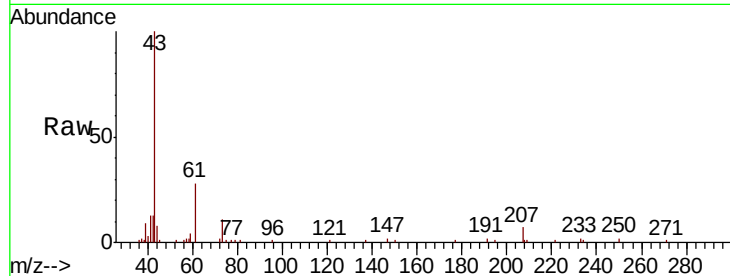
Tot Ion: 43 Resp: 33455

Ion Ratio Lower Upper

43 100

61 26.4 22.8 34.2

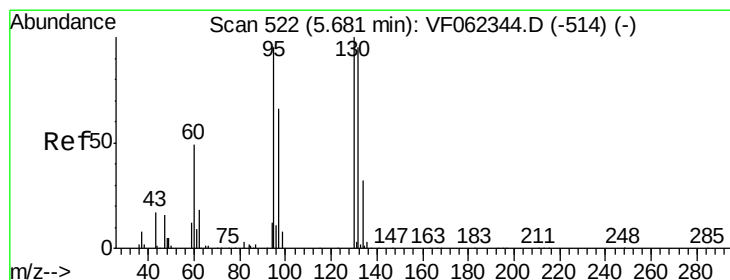
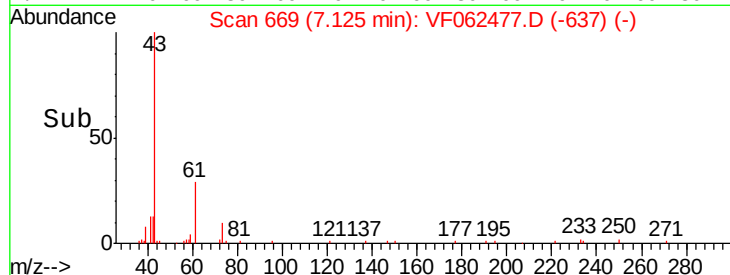
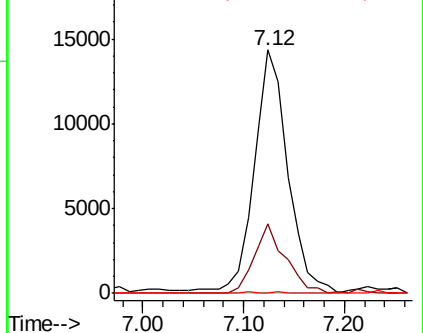
87 0.2 0.6 1.0#



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: 23.432 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062477.D

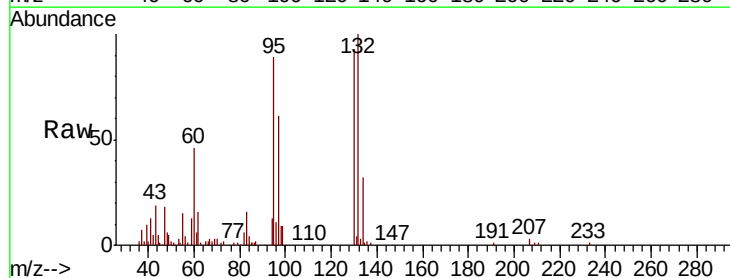
Acq: 12 May 2019 00:35

Tgt Ion:130 Resp: 65793

Ion Ratio Lower Upper

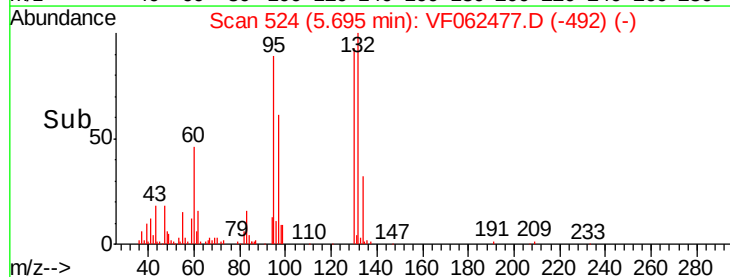
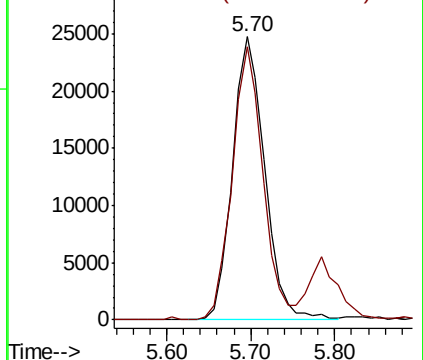
130 100

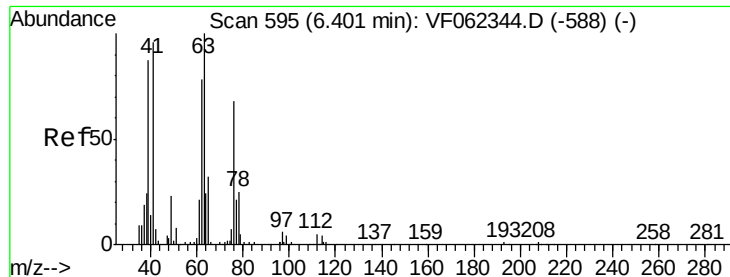
95 96.4 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

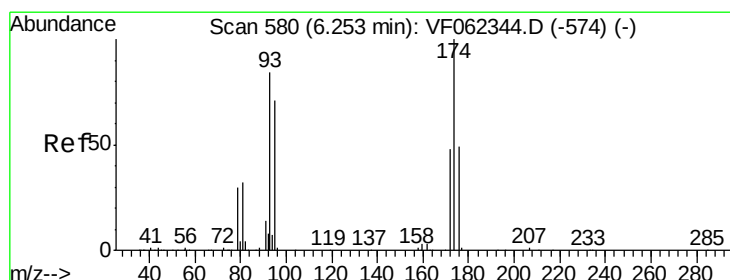
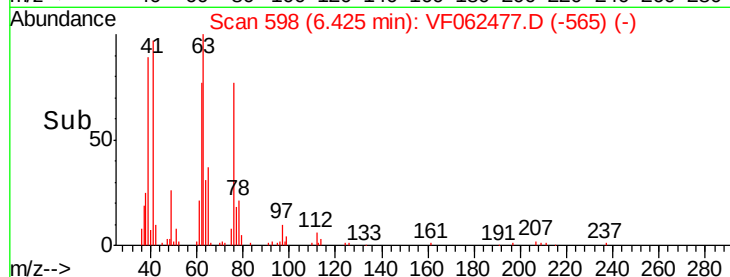
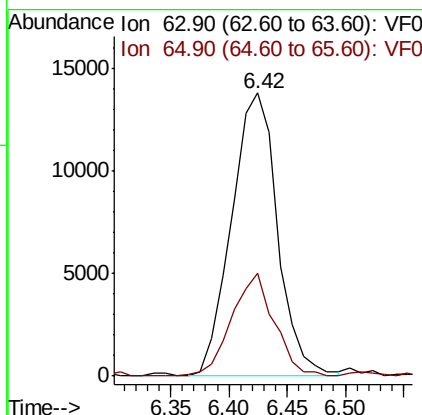
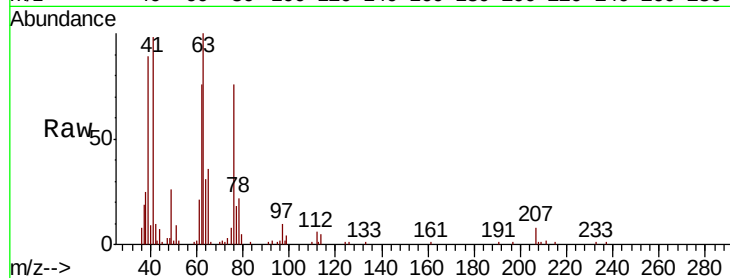




#45
 1,2-Dichloropropane
 Concen: 21.758 ug/l
 RT: 6.42 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

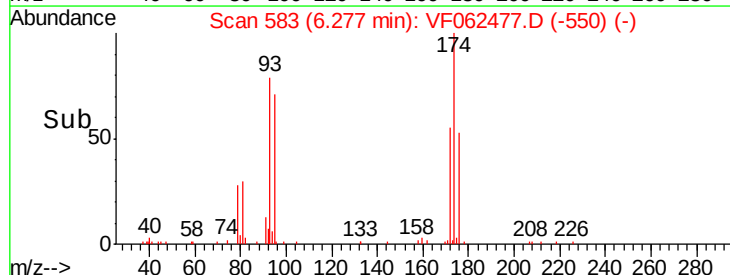
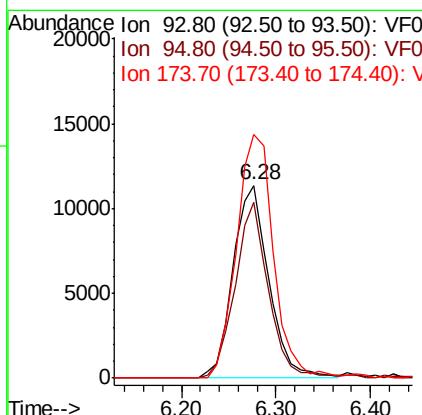
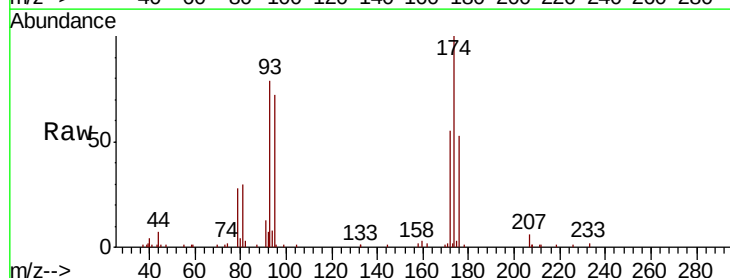
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

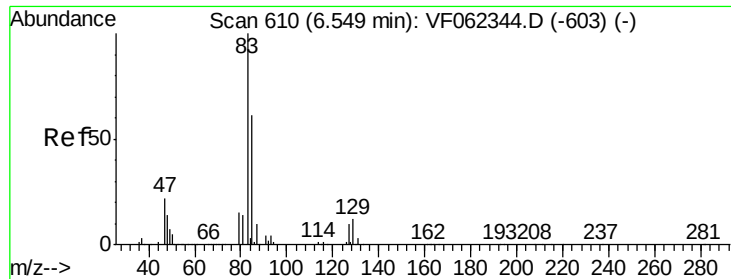
Tot Ion: 63 Resp: 37669
 Ion Ratio Lower Upper
 63 100
 65 36.2 25.6 38.4



#46
 Dibromomethane
 Concen: 20.754 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 93 Resp: 29791
 Ion Ratio Lower Upper
 93 100
 95 85.2 68.4 102.6
 174 130.9 99.6 149.4





#47

Bromodichloromethane

Concen: 22.547 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

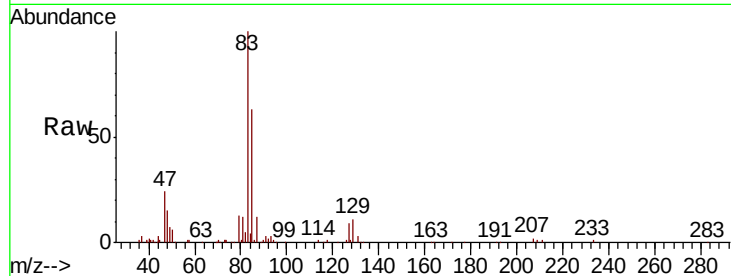
Tot Ion: 83 Resp: 80918

Ion Ratio Lower Upper

83 100

85 63.5 49.1 73.7

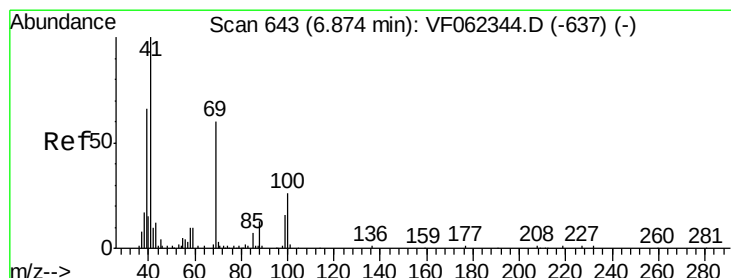
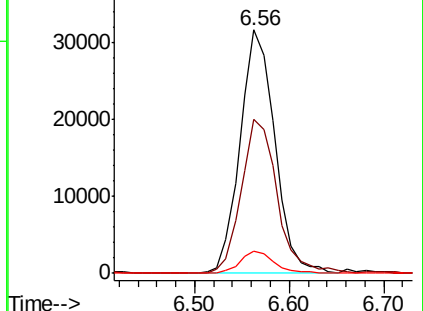
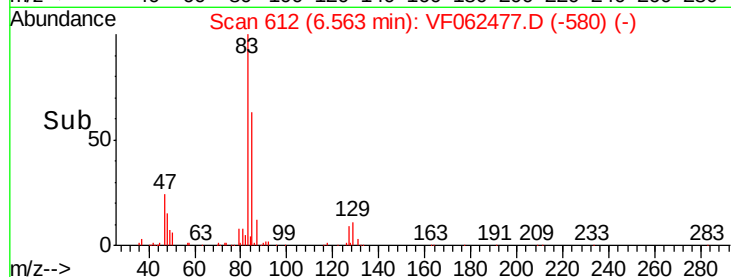
127 8.8 7.8 11.8



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: 21.476 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

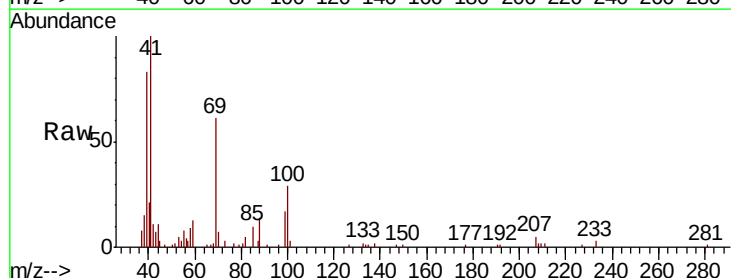
Tgt Ion: 41 Resp: 23962

Ion Ratio Lower Upper

41 100

69 58.3 48.6 72.8

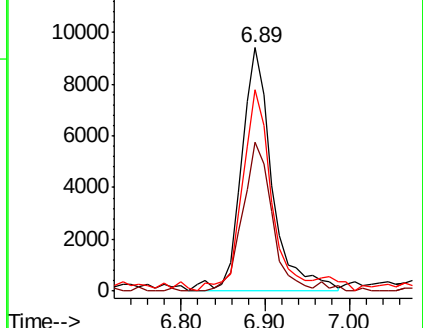
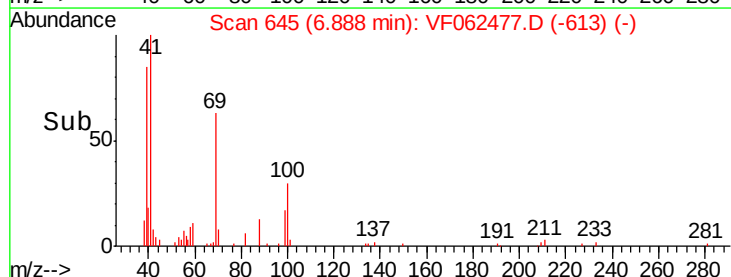
39 78.3 56.1 84.1

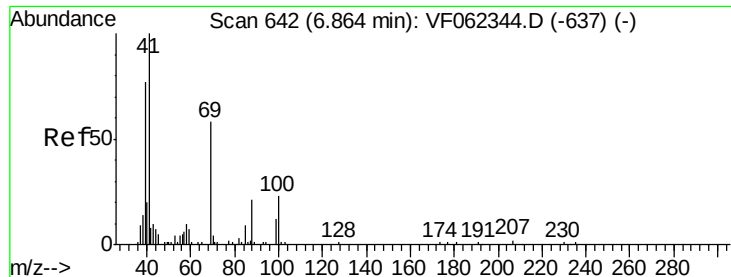


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

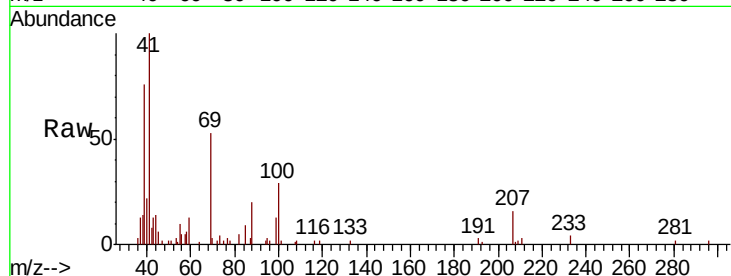




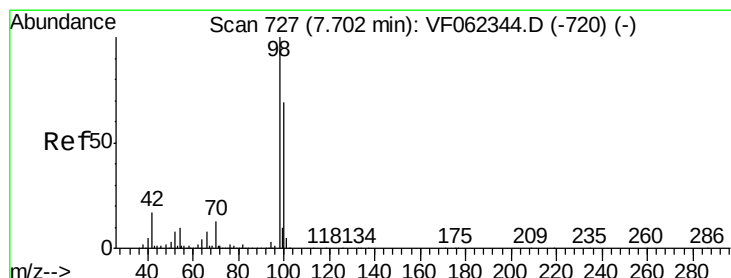
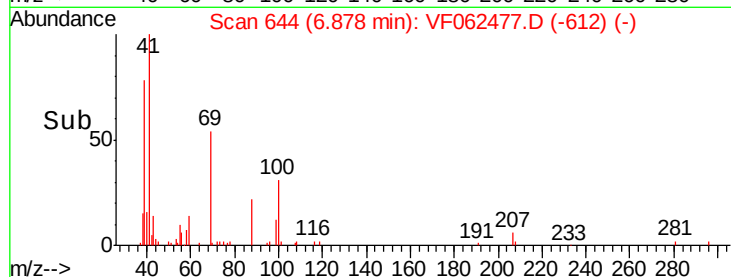
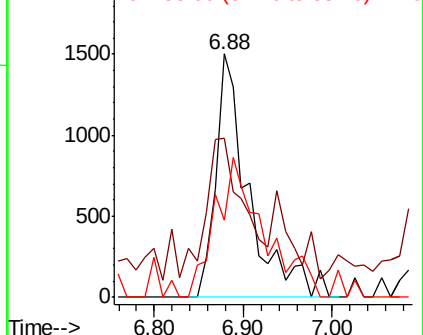
#49
1,4-Dioxane
Concen: 327.062 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tot Ion: 88 Resp: 3854
Ion Ratio Lower Upper
88 100
43 64.8 55.6 83.4
58 84.7 52.8 79.2#

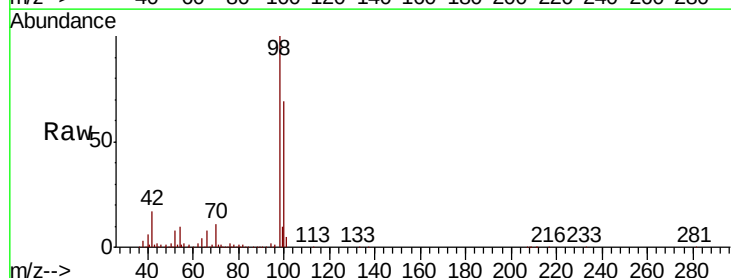


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

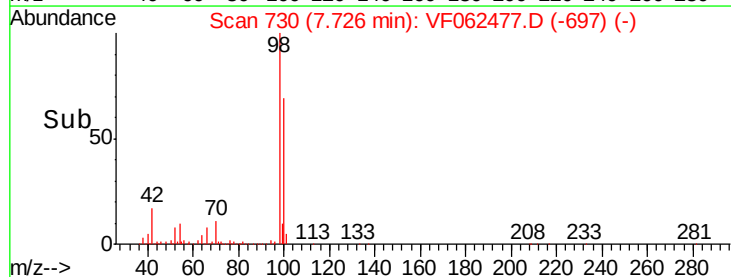
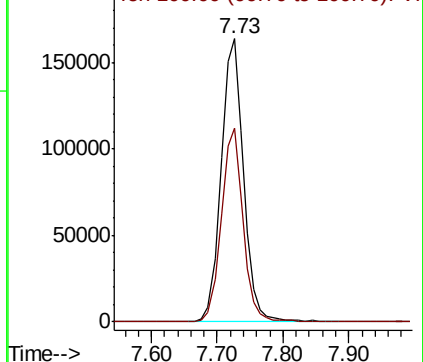


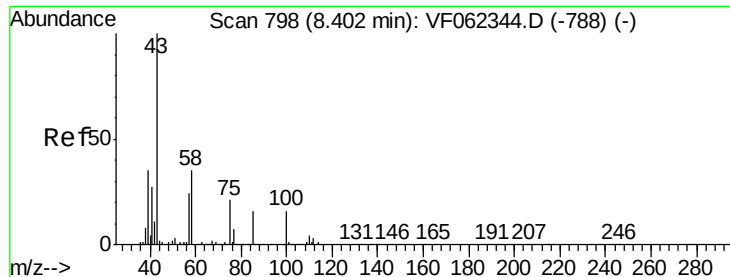
#50
Toluene-d8
Concen: 49.970 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 98 Resp: 389386
Ion Ratio Lower Upper
98 100
100 66.3 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: 108.178 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

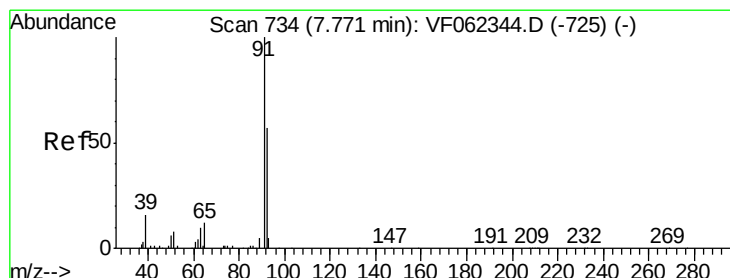
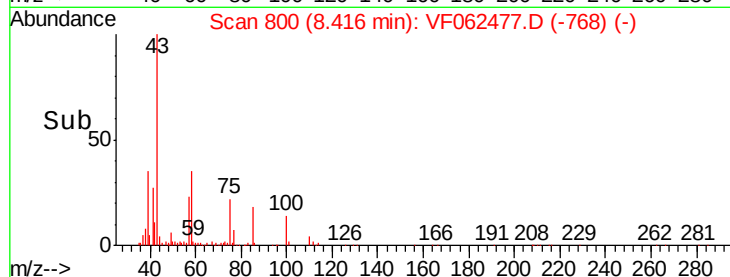
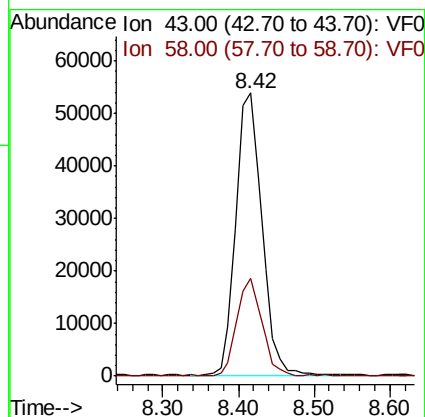
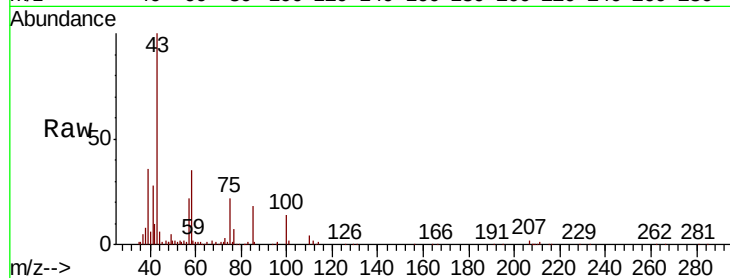
VF0511SBS02

Tot Ion: 43 Resp: 129419

Ion Ratio Lower Upper

43 100

58 33.0 27.8 41.6



#52

Toluene

Concen: 23.233 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062477.D

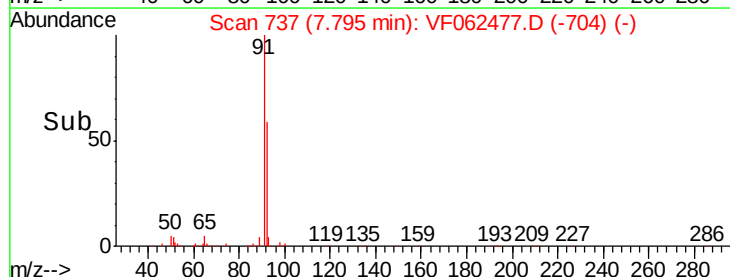
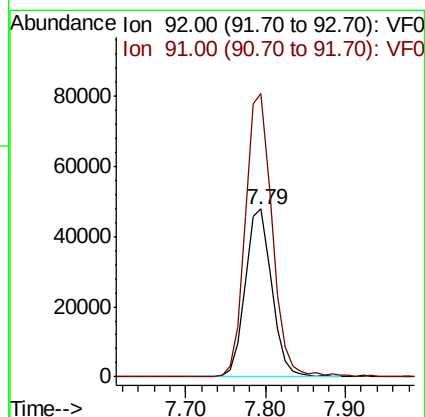
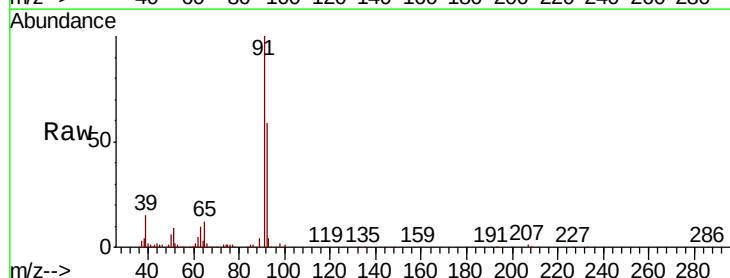
Acq: 12 May 2019 00:35

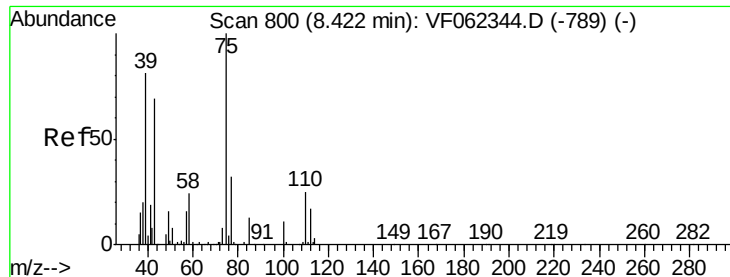
Tgt Ion: 92 Resp: 109554

Ion Ratio Lower Upper

92 100

91 171.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 22.025 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

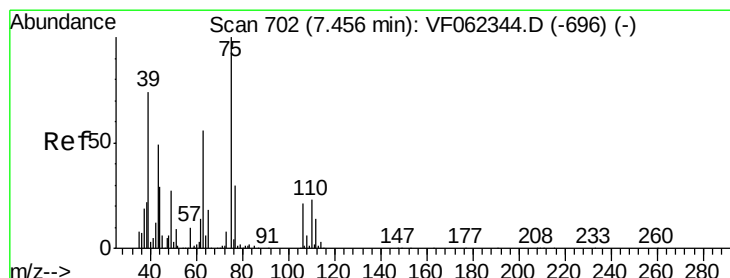
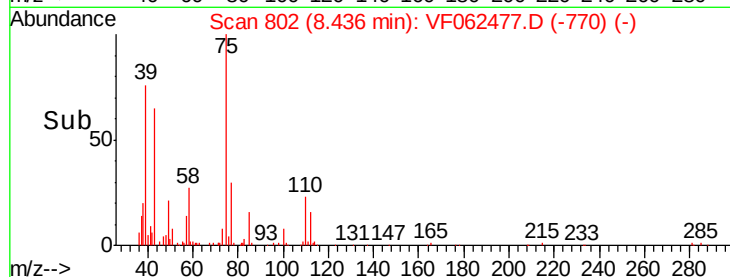
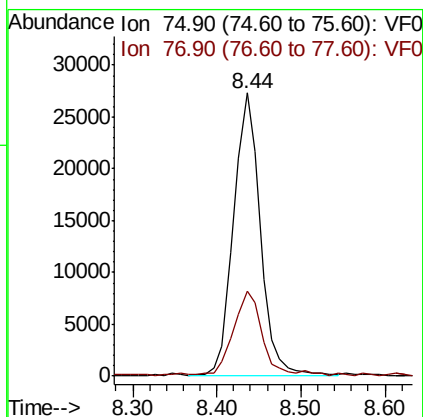
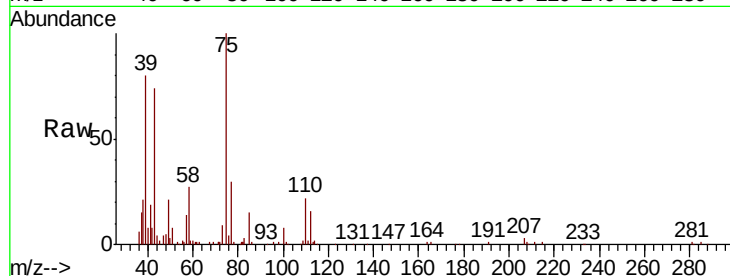
VF0511SBSD02

Tot Ion: 75 Resp: 59784

Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 22.219 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

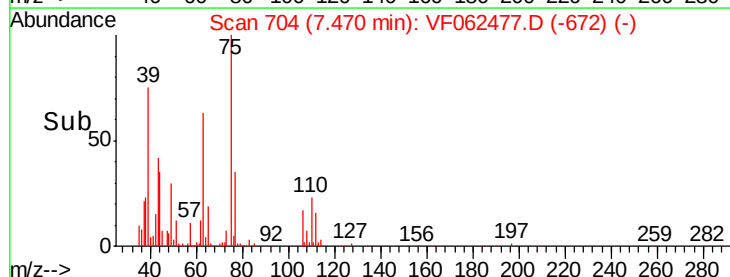
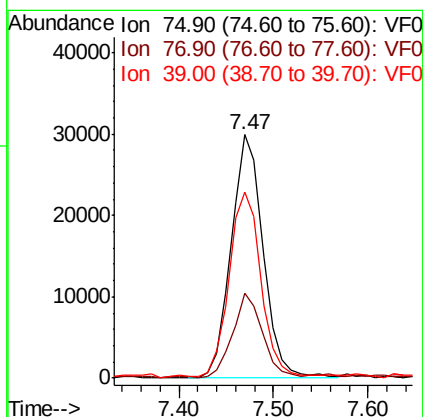
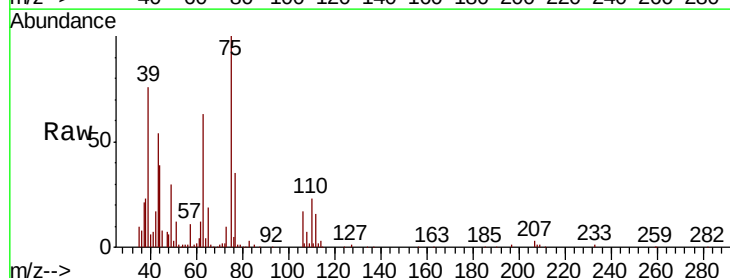
Tgt Ion: 75 Resp: 70191

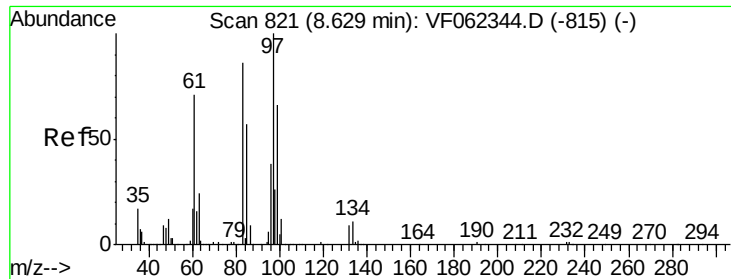
Ion Ratio Lower Upper

75 100

77 34.5 24.0 36.0

39 75.4 58.7 88.1

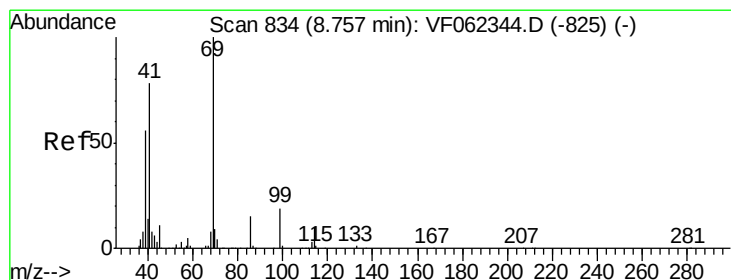
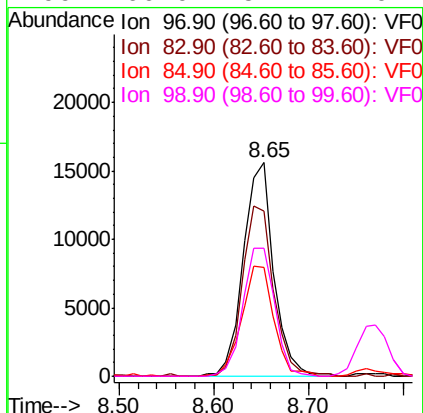
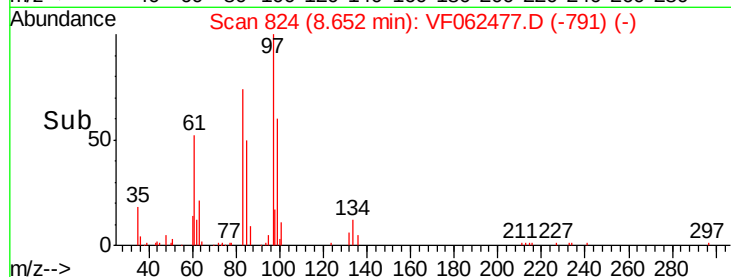
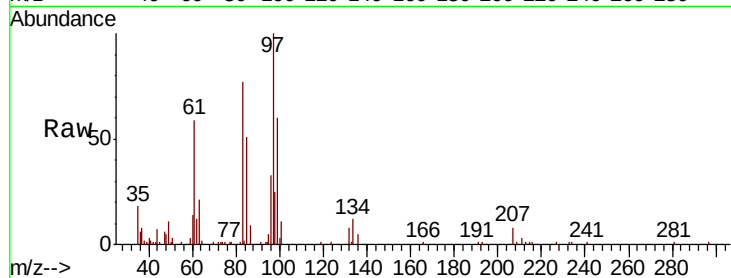




#55
 1,1,2-Trichloroethane
 Concen: 23.334 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

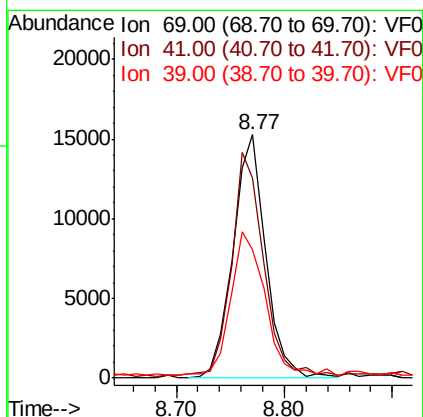
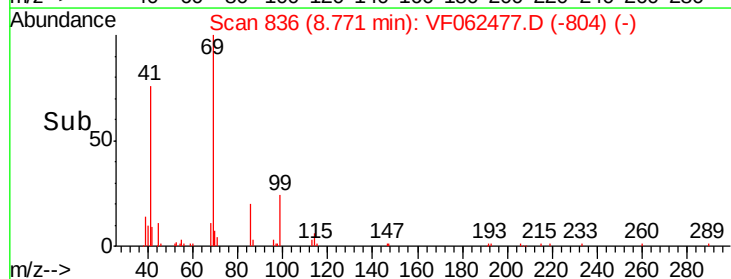
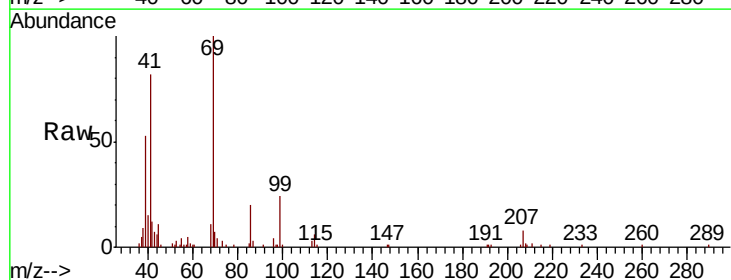
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

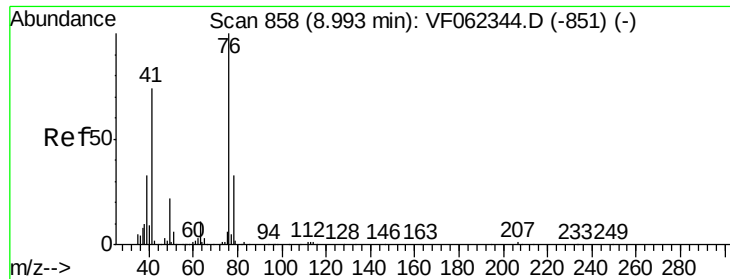
Tot Ion:	97	Resp:	34928
Ion	Ratio	Lower	Upper
97	100		
83	77.4	68.5	102.7
85	51.1	45.4	68.2
99	60.0	52.7	79.1



#56
 Ethyl methacrylate
 Concen: 20.286 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion:	69	Resp:	32054
Ion	Ratio	Lower	Upper
69	100		
41	90.3	66.3	99.5
39	61.0	50.1	75.1





#57

1,3-Dichloropropane

Concen: 22.698 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

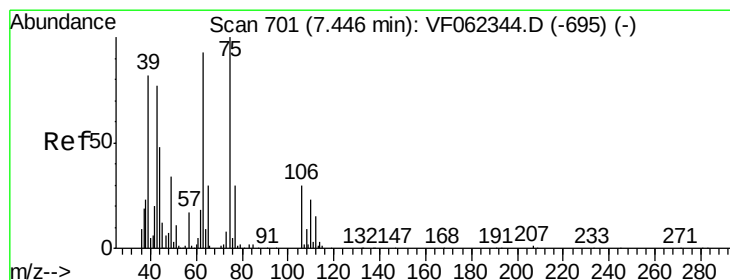
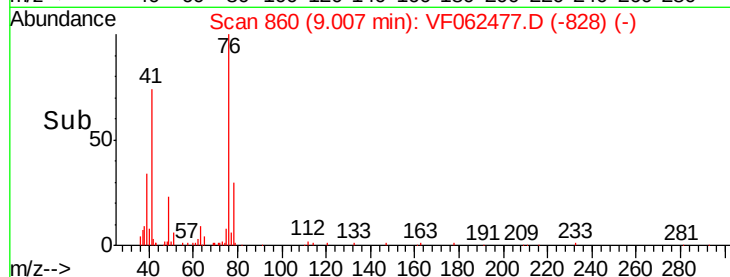
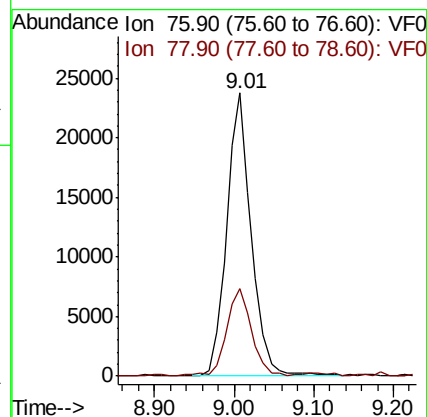
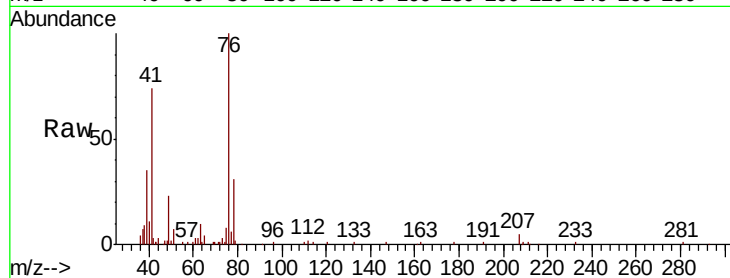
VF0511SBS02

Tot Ion: 76 Resp: 51323

Ion Ratio Lower Upper

76 100

78 31.7 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 101.333 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062477.D

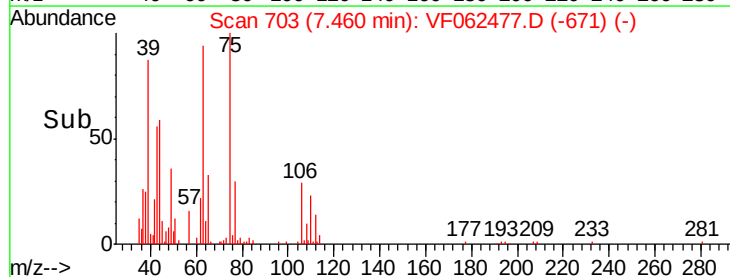
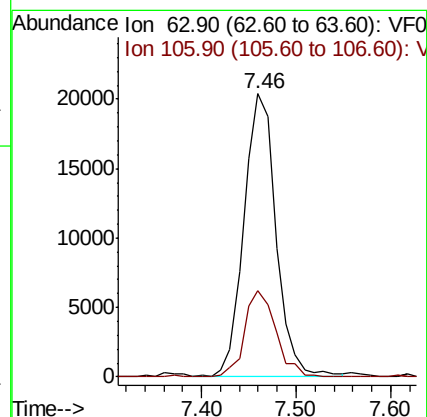
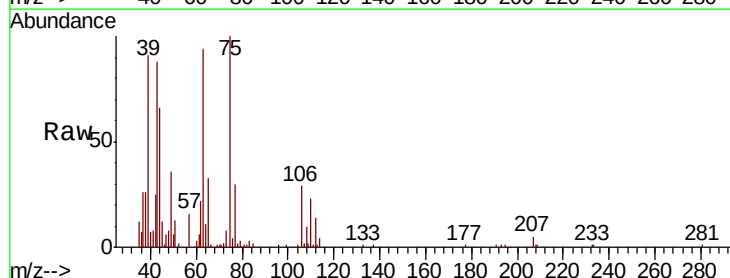
Acq: 12 May 2019 00:35

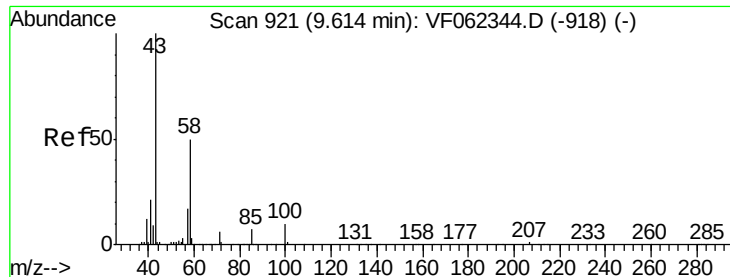
Tgt Ion: 63 Resp: 48139

Ion Ratio Lower Upper

63 100

106 29.4 25.8 38.8

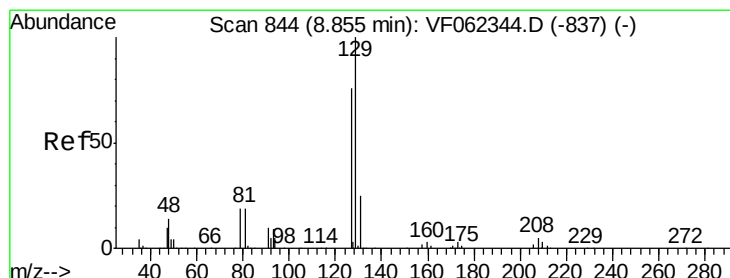
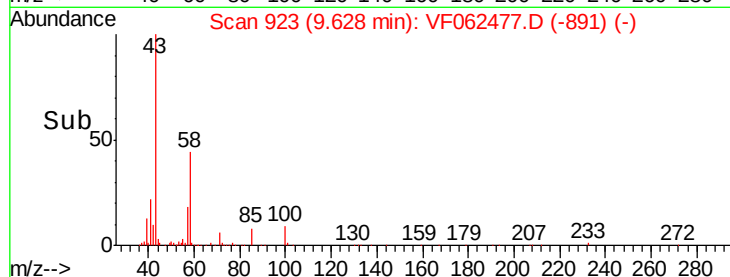
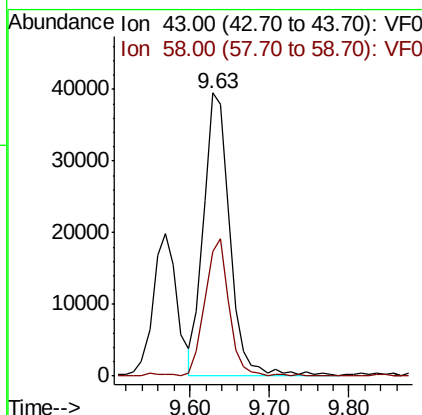
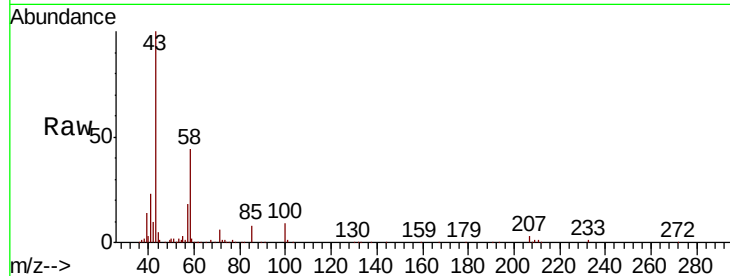




#59
2-Hexanone
Concen: 109.095 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

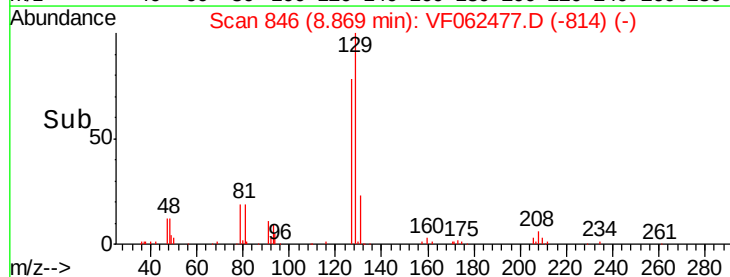
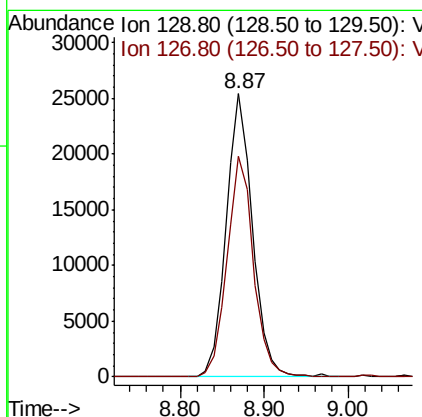
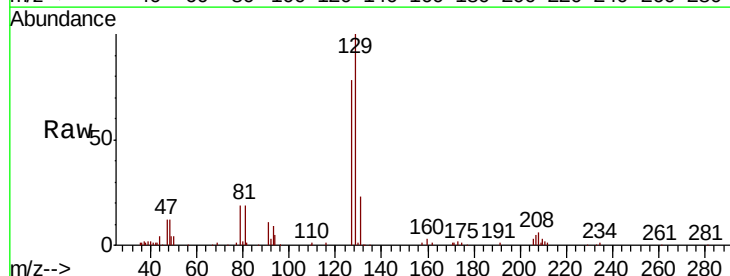
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

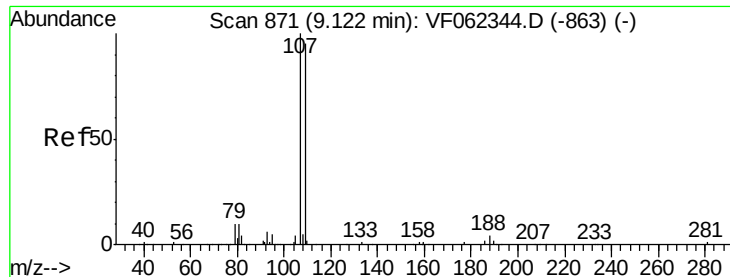
Tot Ion: 43 Resp: 90265
Ion Ratio Lower Upper
43 100
58 44.6 24.3 73.0



#60
Dibromochloromethane
Concen: 22.494 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 129 Resp: 55071
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.410 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

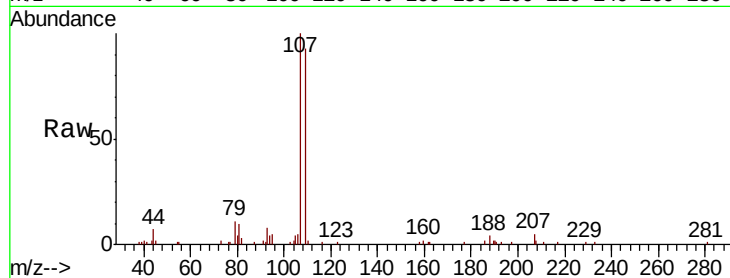
VF0511SBS02

Tot Ion:107 Resp: 37667

Ion Ratio Lower Upper

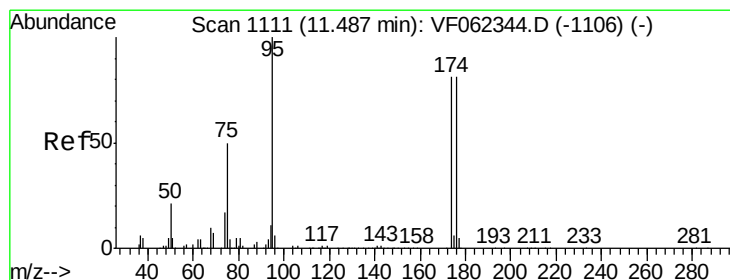
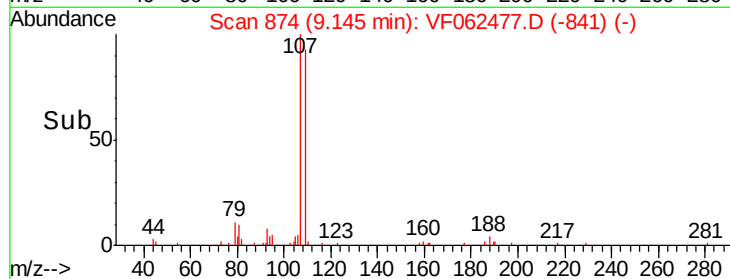
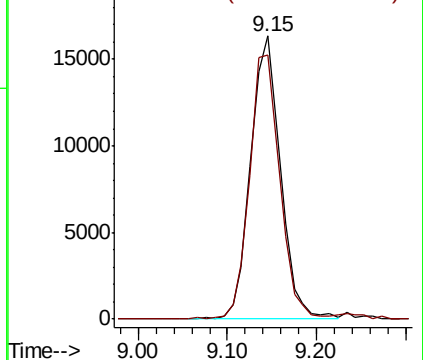
107 100

109 95.3 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: 52.707 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

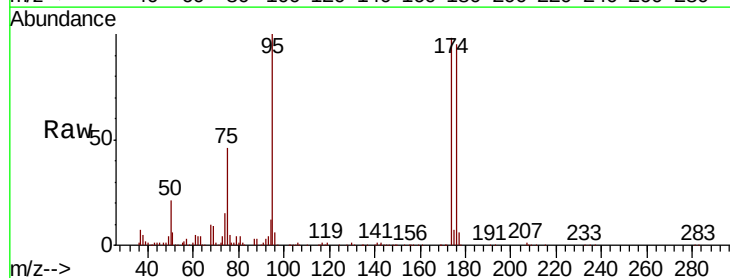
Tgt Ion: 95 Resp: 185299

Ion Ratio Lower Upper

95 100

174 99.6 0.0 191.8

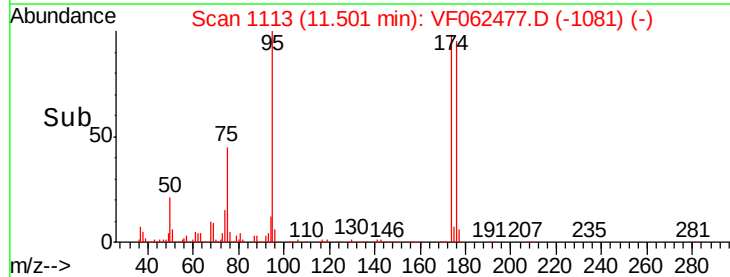
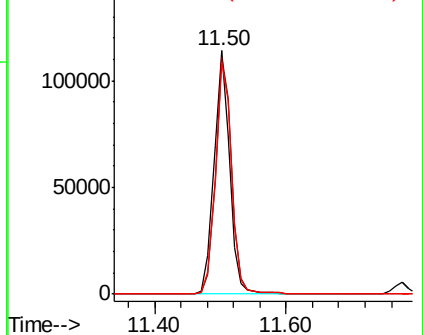
176 98.8 0.0 193.2

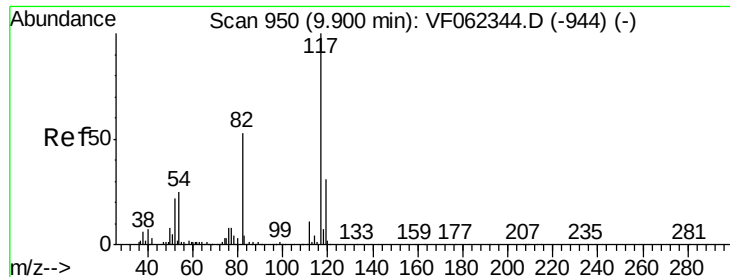


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

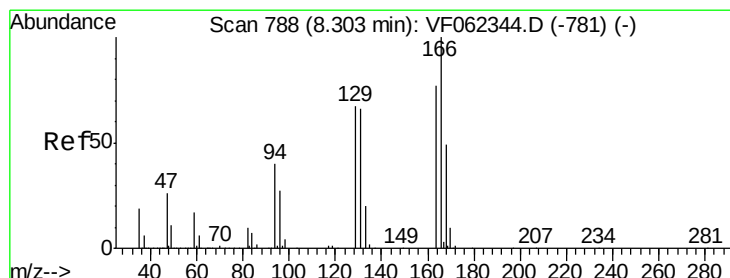
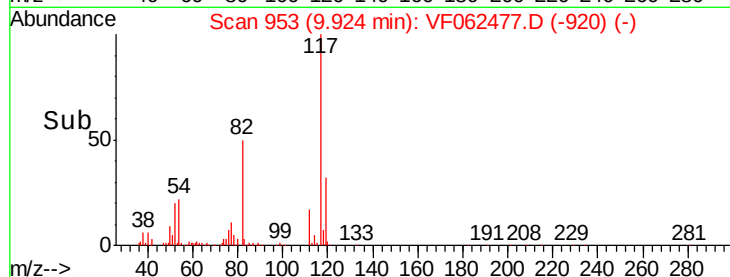
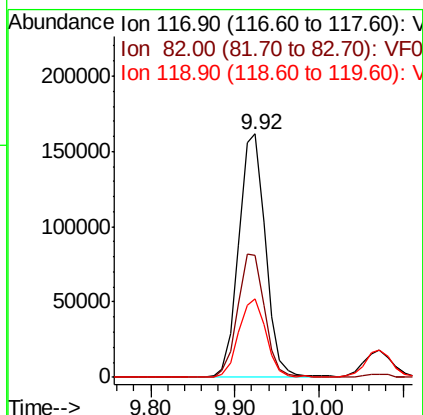
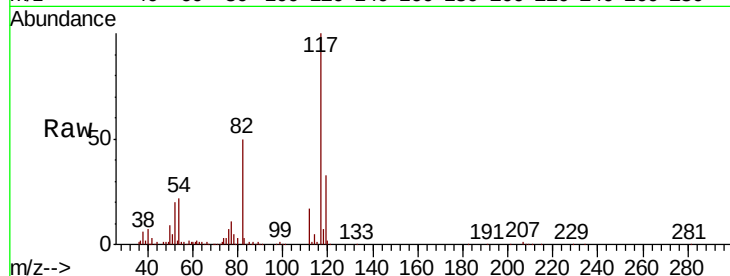




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

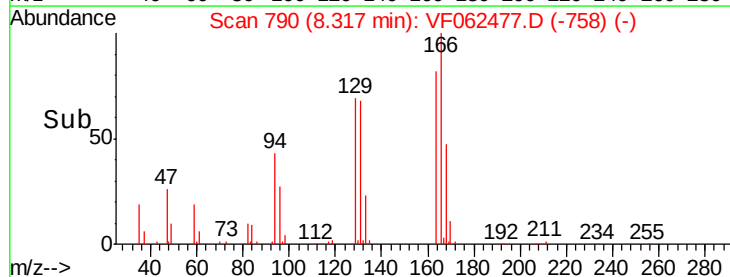
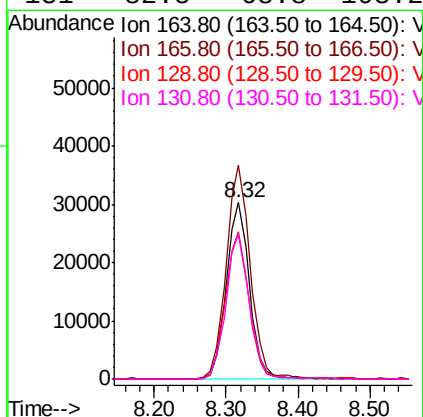
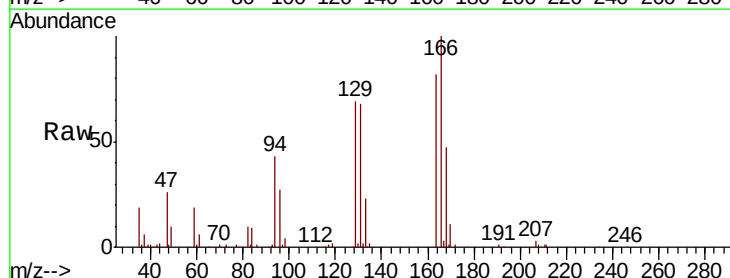
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

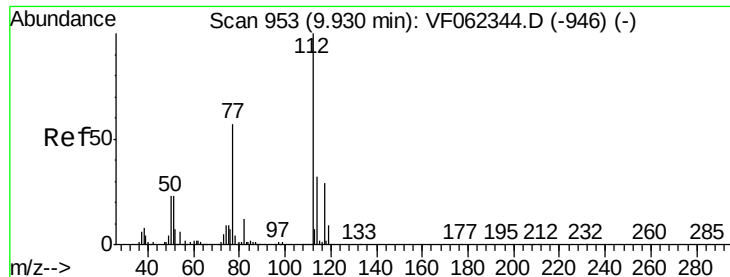
Tot Ion:117 Resp: 358683
Ion Ratio Lower Upper
117 100
82 50.2 42.2 63.2
119 32.5 25.0 37.4



#64
Tetrachloroethene
Concen: 23.275 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:164 Resp: 67774
Ion Ratio Lower Upper
164 100
166 121.3 104.2 156.4
129 83.4 69.6 104.4
131 82.5 68.8 103.2

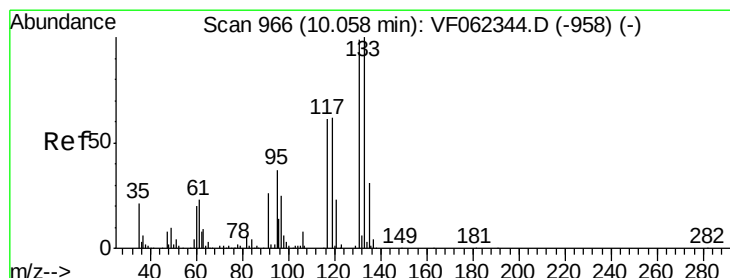
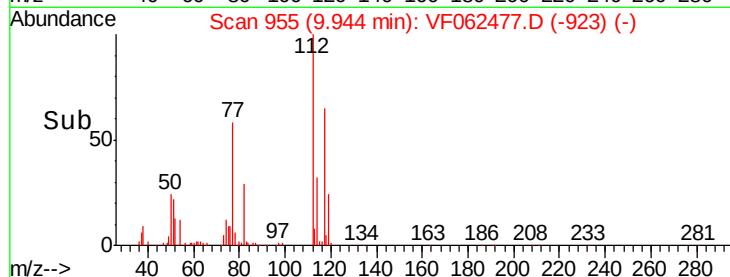
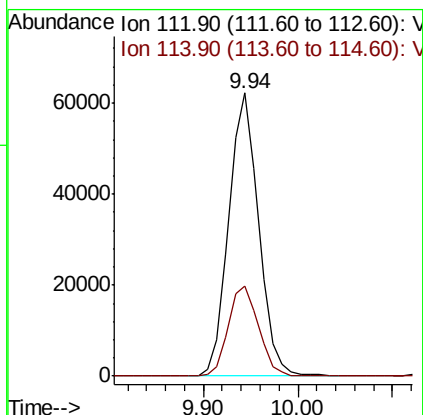
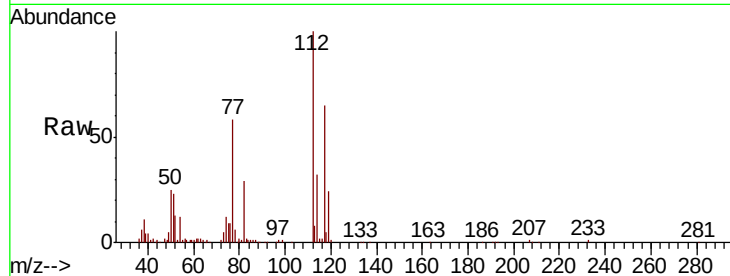




#65
Chlorobenzene
Concen: 22.928 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

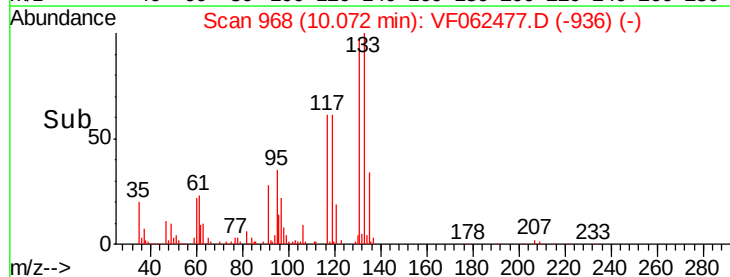
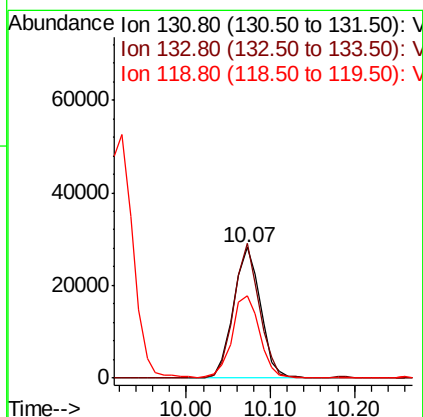
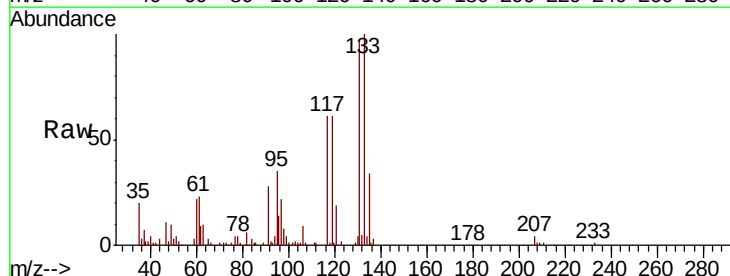
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

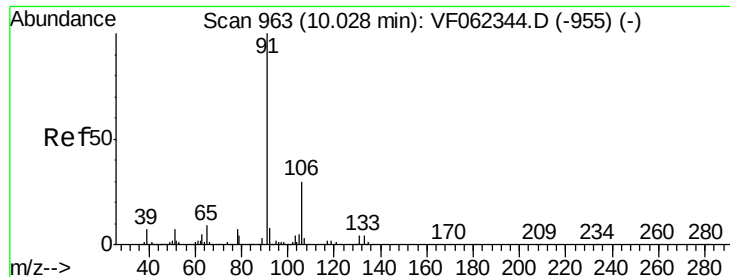
Tot Ion:112 Resp: 136068
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.185 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:131 Resp: 63425
Ion Ratio Lower Upper
131 100
133 97.4 50.2 150.7
119 65.3 31.6 95.0





#67

Ethyl Benzene

Concen: 22.537 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

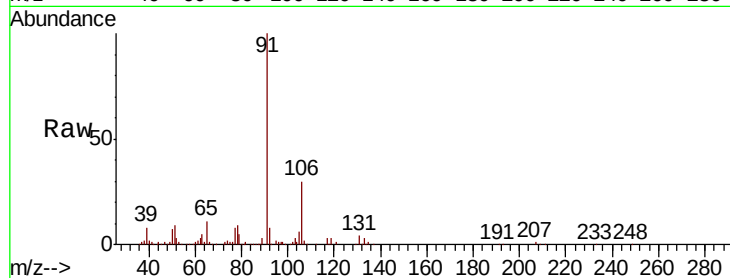
VF0511SBS02

Tot Ion: 91 Resp: 234205

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.04

120000

100000

80000

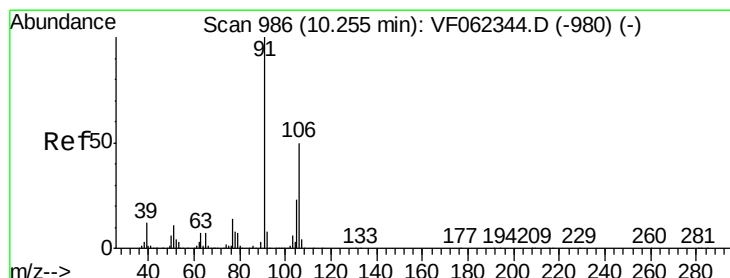
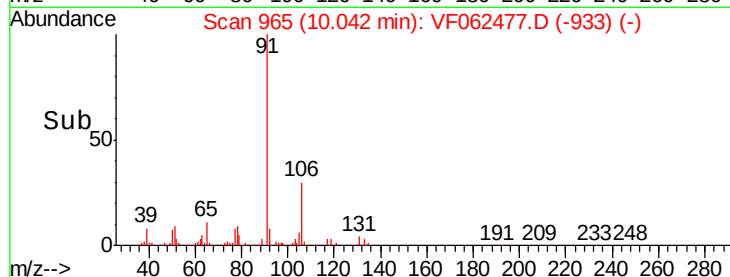
60000

40000

20000

0

Time-->



#68

m/p-Xylenes

Concen: 46.076 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062477.D

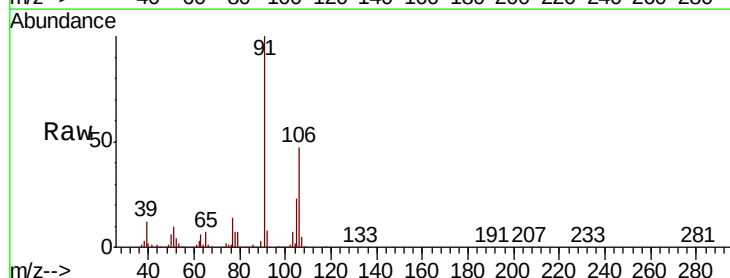
Acq: 12 May 2019 00:35

Tgt Ion: 106 Resp: 176669

Ion Ratio Lower Upper

106 100

91 215.8 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.27

200000

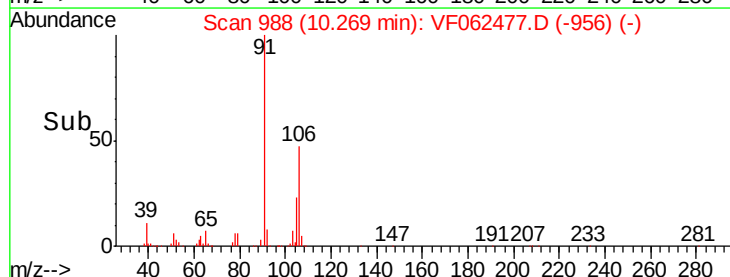
150000

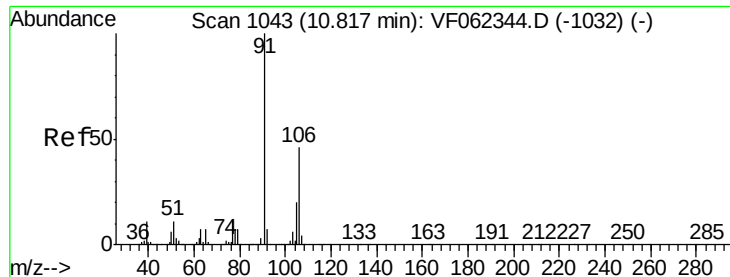
100000

50000

0

Time-->

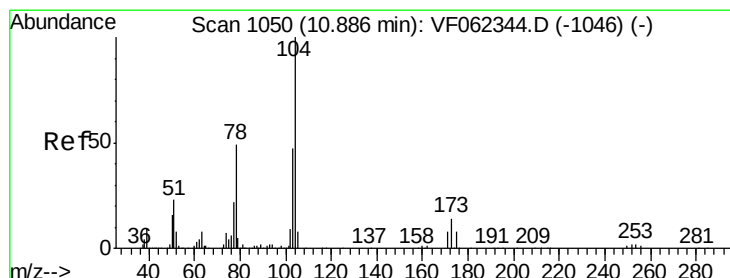
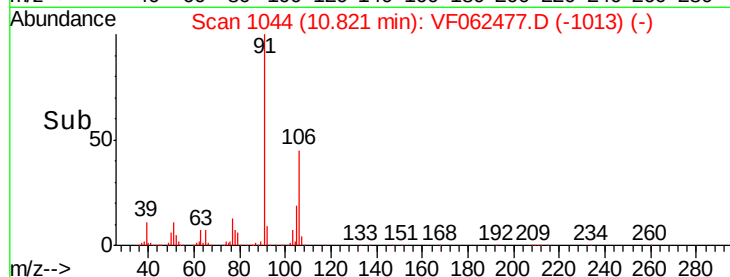
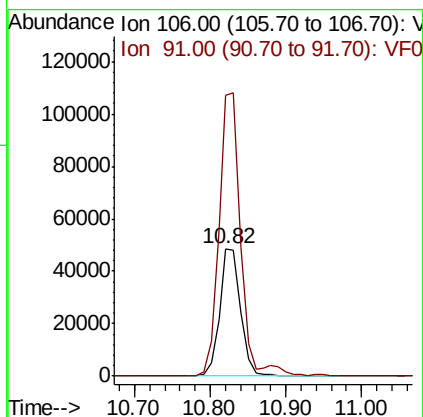
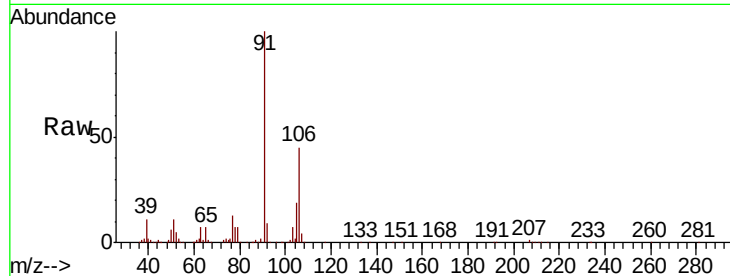




#69
o-Xylene
Concen: 22.608 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

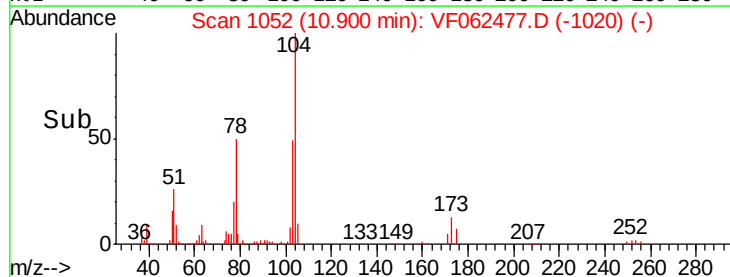
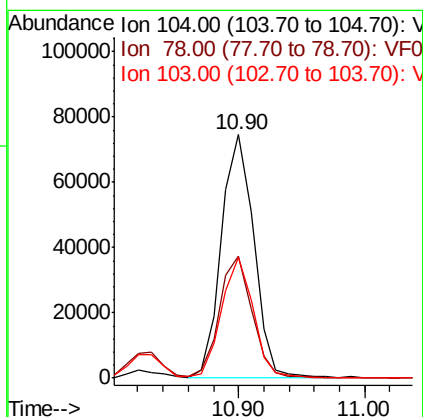
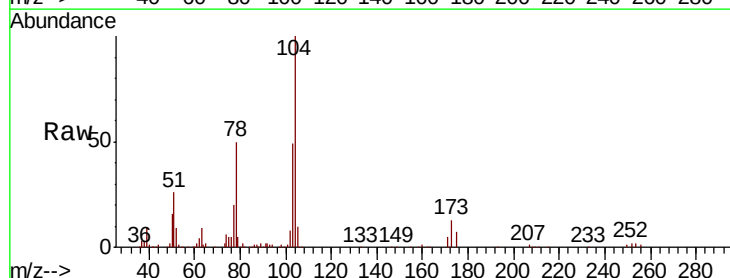
Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

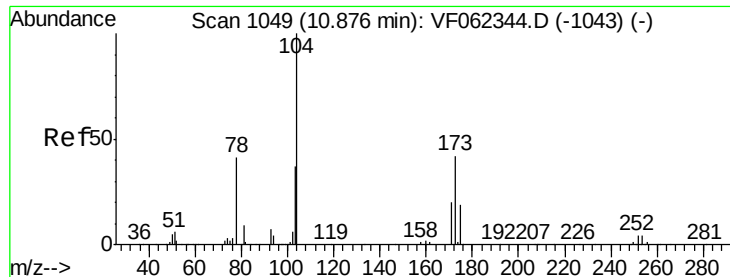
Tot Ion:106 Resp: 93671
Ion Ratio Lower Upper
106 100
91 223.8 111.3 333.8



#70
Styrene
Concen: 21.332 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:104 Resp: 132462
Ion Ratio Lower Upper
104 100
78 50.8 39.5 59.3
103 48.5 38.4 57.6





#71

Bromoform

Concen: 20.243 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

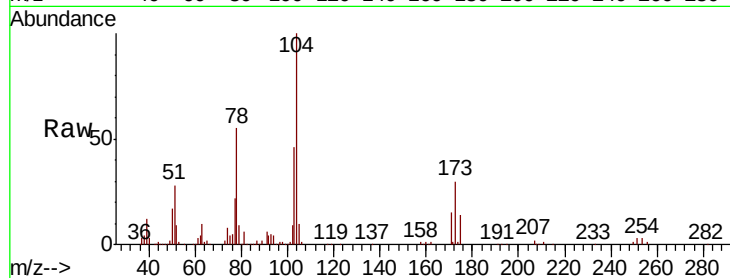
Tot Ion:173 Resp: 33202

Ion Ratio Lower Upper

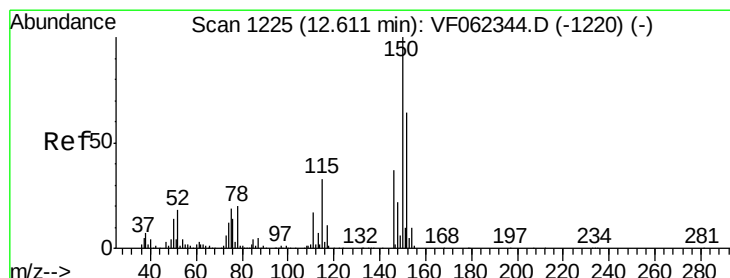
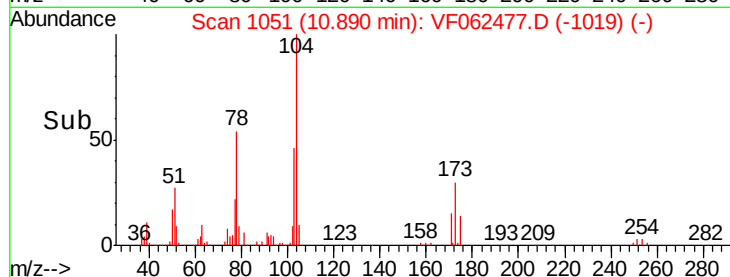
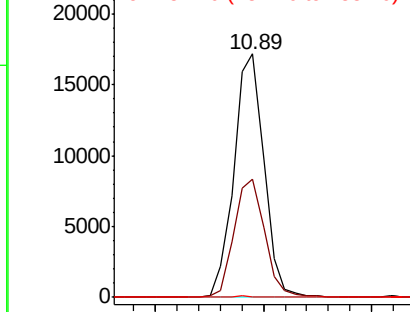
173 100

175 49.5 23.8 71.2

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

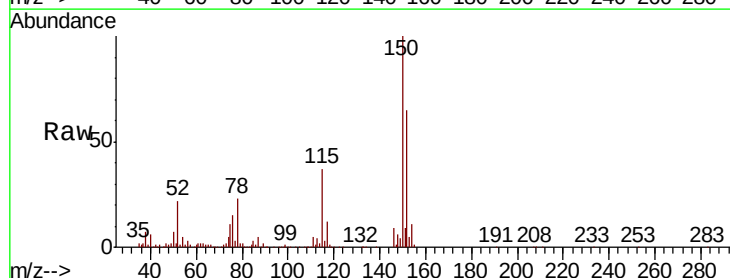
Tgt Ion:152 Resp: 228425

Ion Ratio Lower Upper

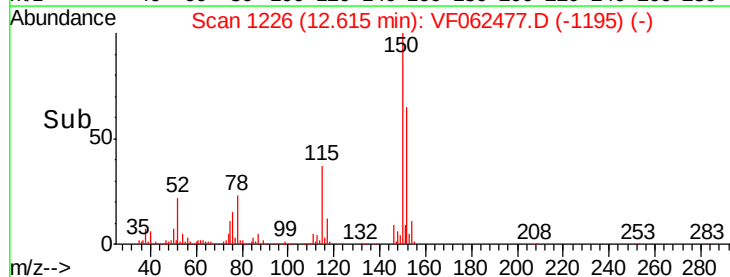
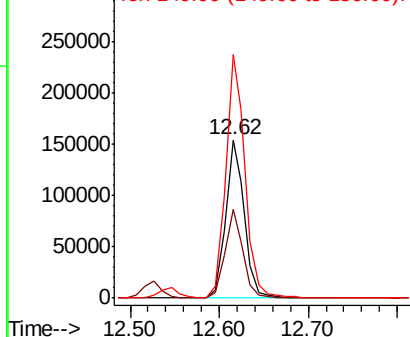
152 100

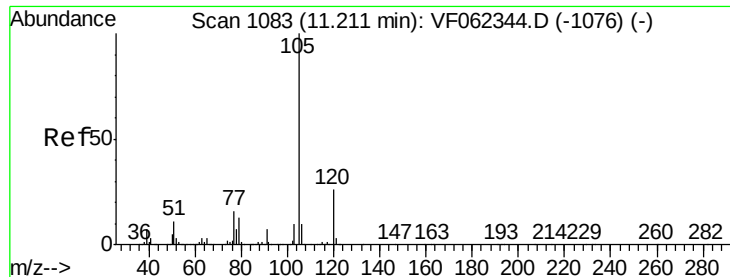
115 54.2 26.4 79.2

150 157.8 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: 22.108 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

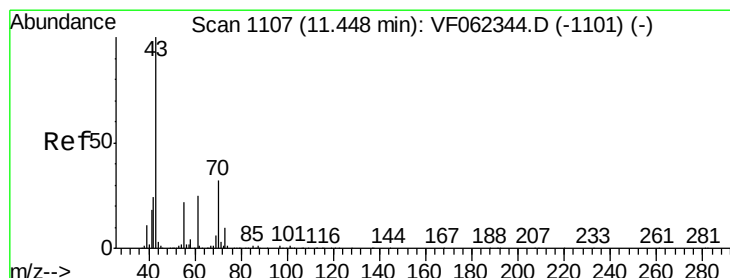
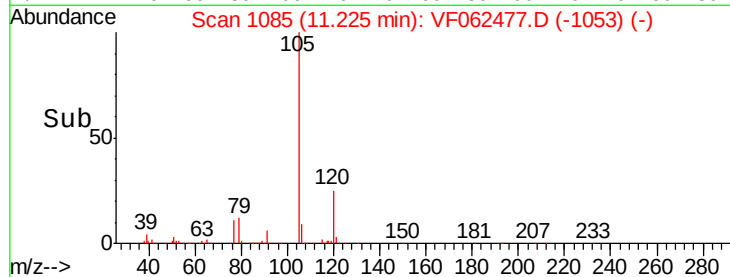
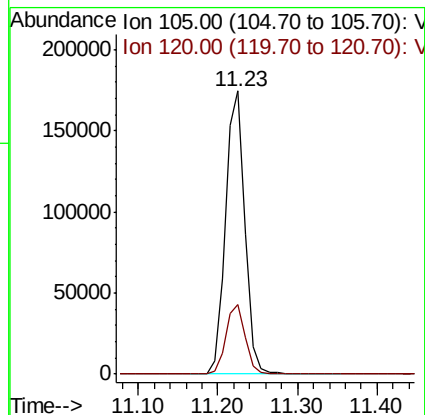
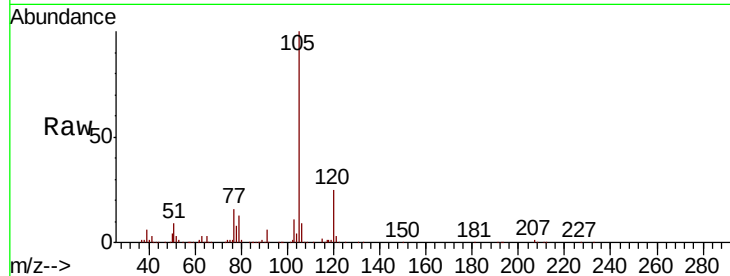
VF0511SBS02

Tot Ion:105 Resp: 299379

Ion Ratio Lower Upper

105 100

120 24.7 12.7 38.0



#74

N-ethyl acetate

Concen: 20.946 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion: 43 Resp: 60897

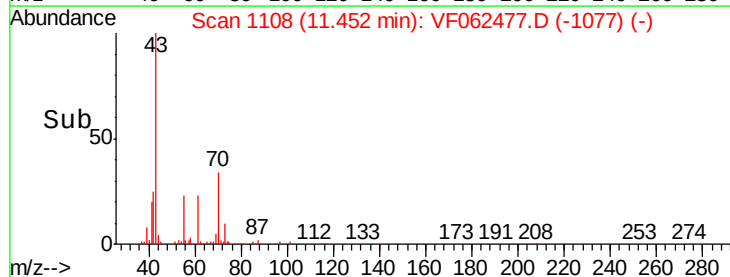
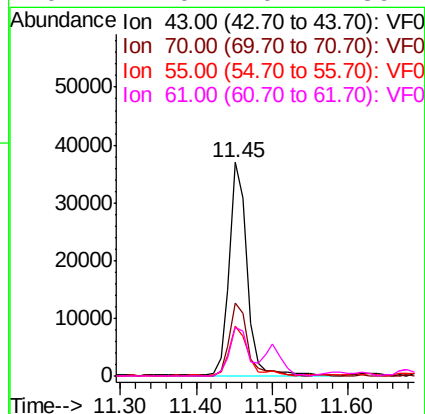
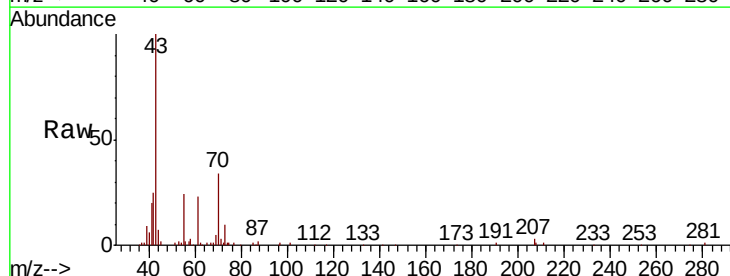
Ion Ratio Lower Upper

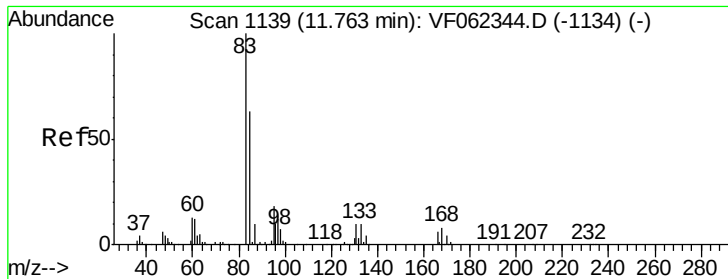
43 100

70 35.8 26.5 39.7

55 25.4 17.8 26.6

61 24.0 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.398 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

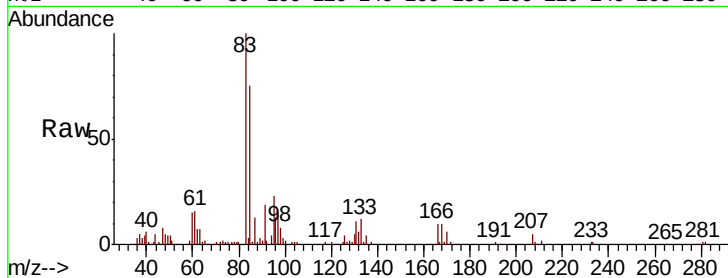
Tot Ion: 83 Resp: 43251

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.4

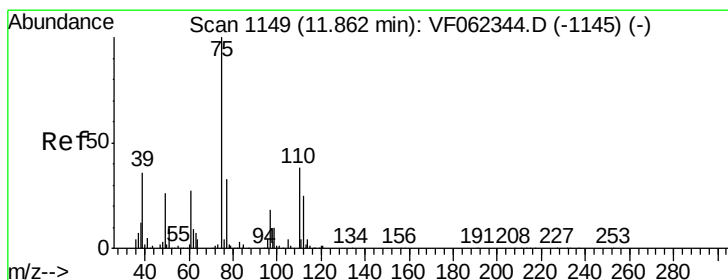
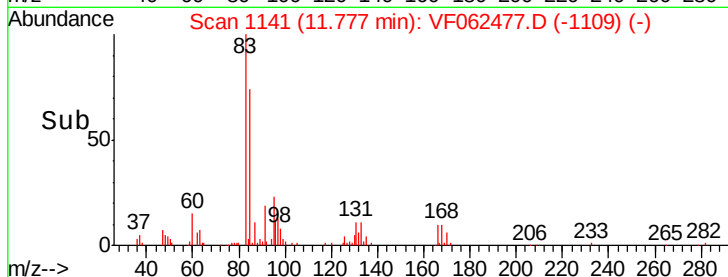
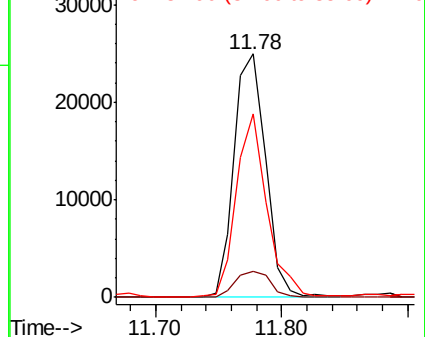
85 73.5 35.3 105.7



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: 21.111 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062477.D

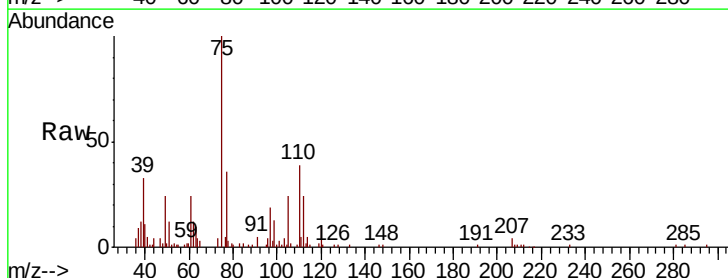
Acq: 12 May 2019 00:35

Tgt Ion: 75 Resp: 34151

Ion Ratio Lower Upper

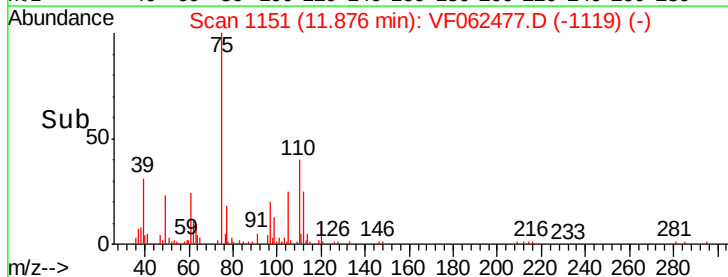
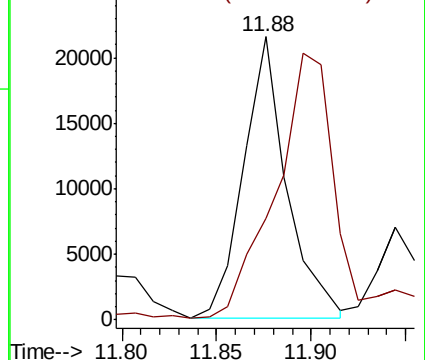
75 100

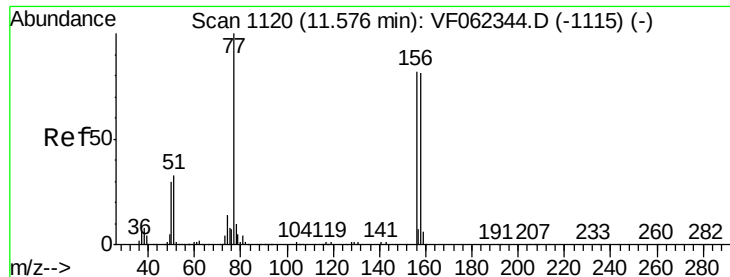
77 127.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.137 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

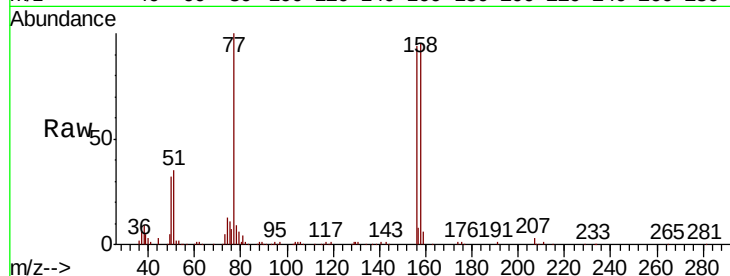
Tot Ion:156 Resp: 78677

Ion Ratio Lower Upper

156 100

77 126.9 64.8 194.3

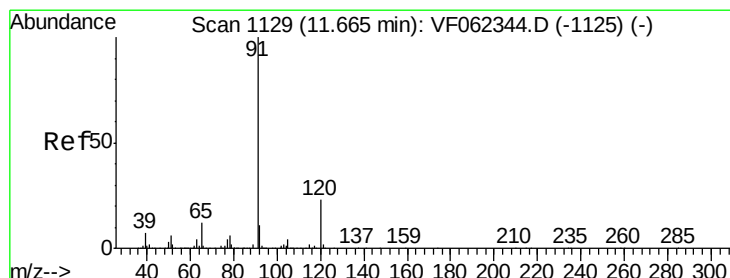
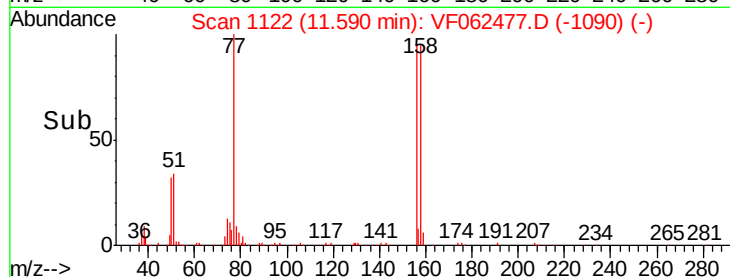
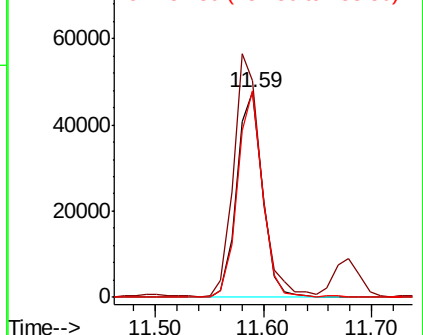
158 97.3 49.1 147.3



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: 23.003 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062477.D

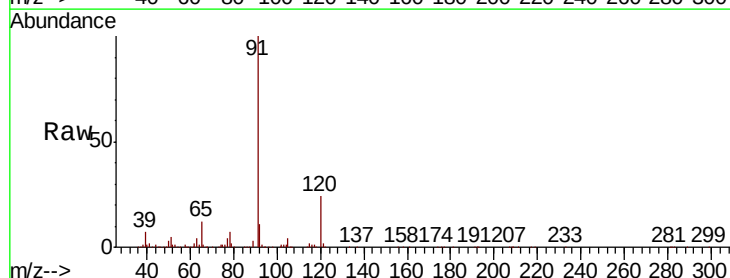
Acq: 12 May 2019 00:35

Tgt Ion: 91 Resp: 331641

Ion Ratio Lower Upper

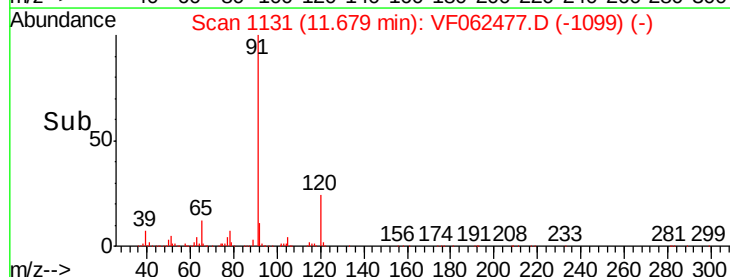
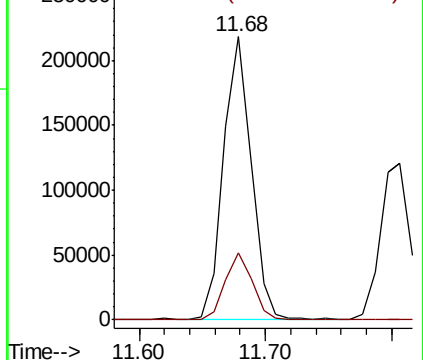
91 100

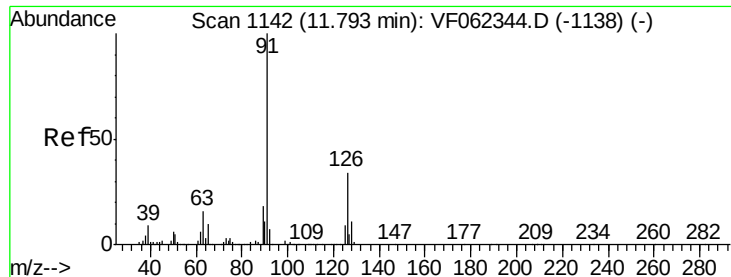
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

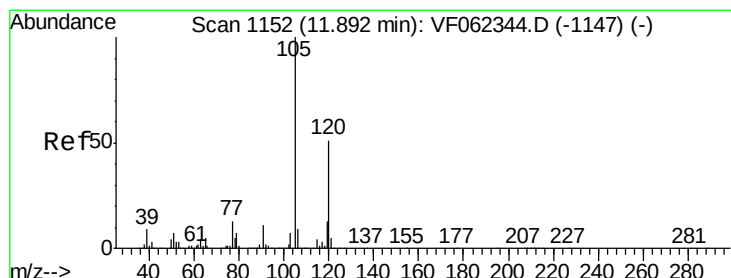
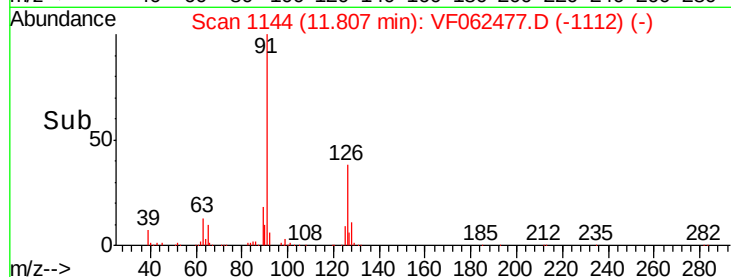
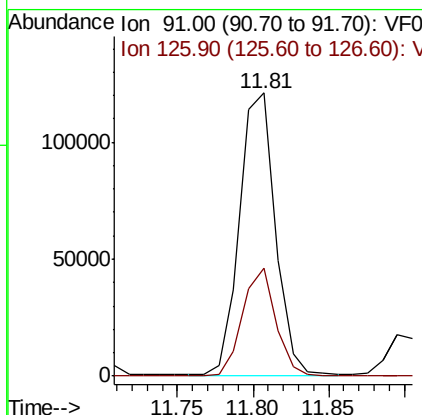
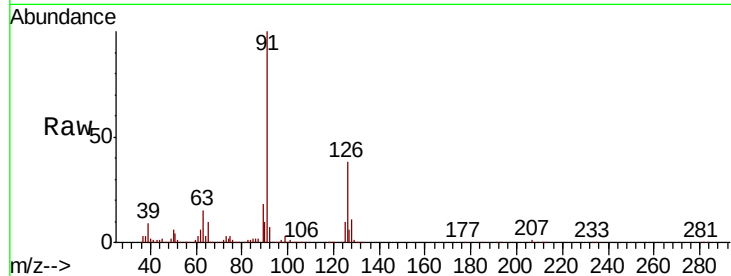




#79
 2-Chlorotoluene
 Concen: 22.216 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

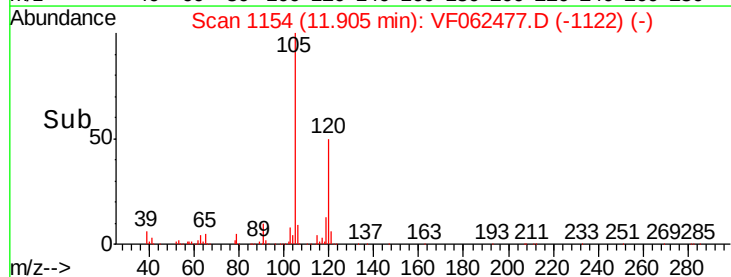
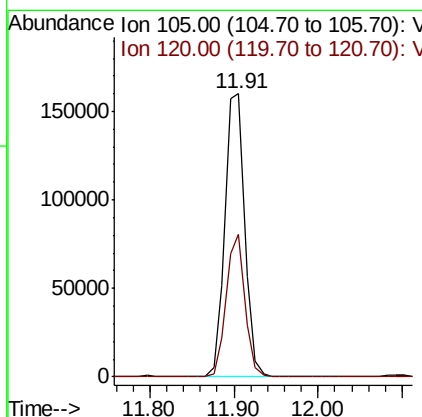
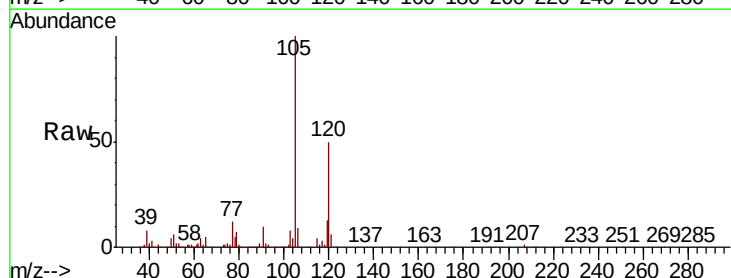
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

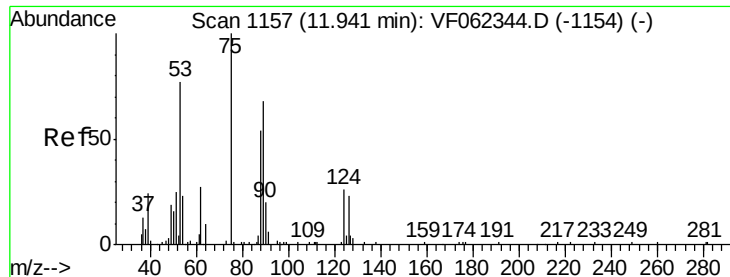
Tot Ion: 91 Resp: 199172
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.184 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion:105 Resp: 263314
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.6 74.0

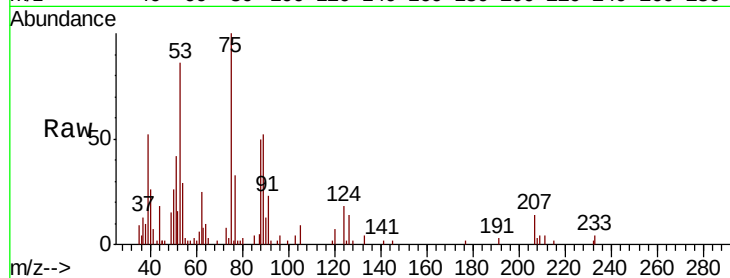




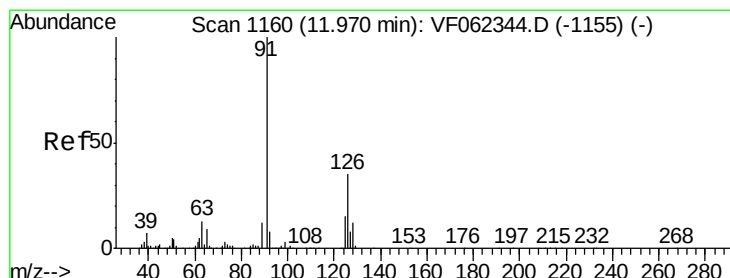
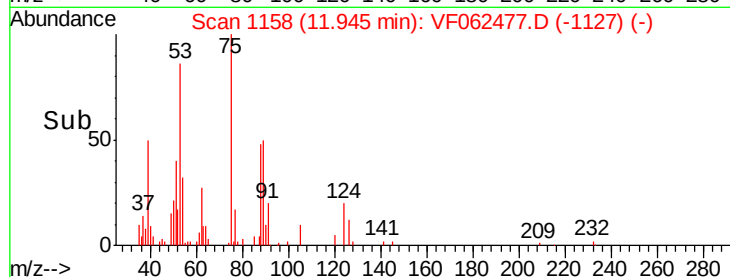
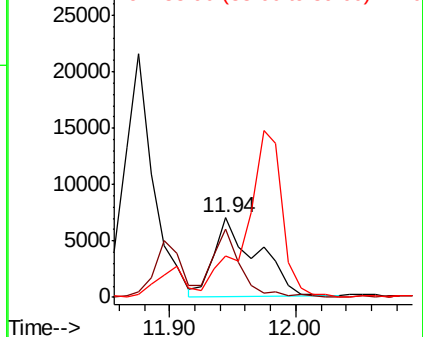
#81
trans-1,4-Dichloro-2-butene
Concen: 27.275 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Tot Ion: 75 Resp: 16585
Ion Ratio Lower Upper
75 100
53 55.0 71.9 107.9#
89 0.0 0.0 0.0

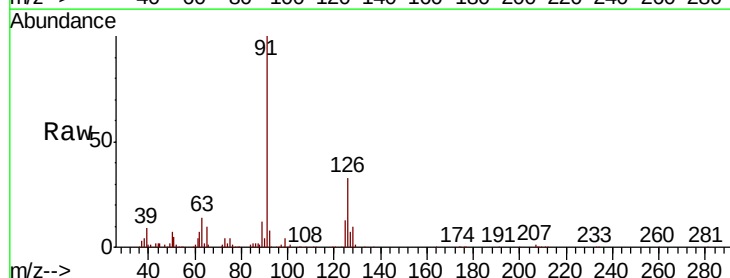


Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0

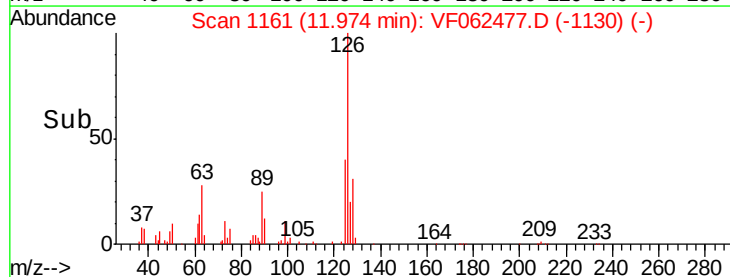
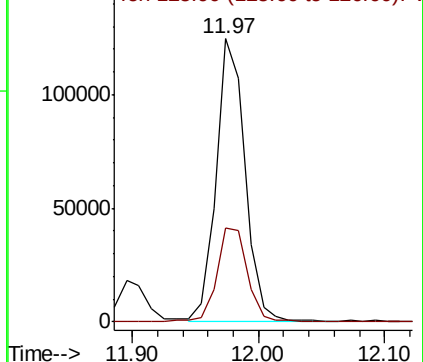


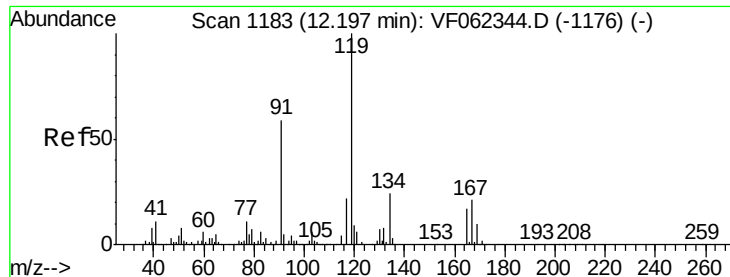
#82
4-Chlorotoluene
Concen: 22.149 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 91 Resp: 196118
Ion Ratio Lower Upper
91 100
126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

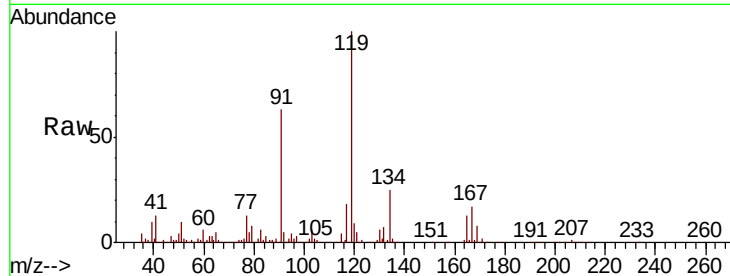




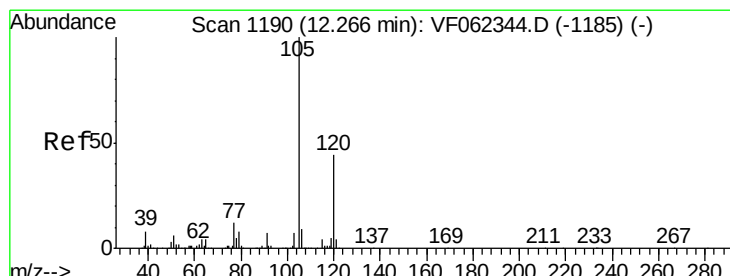
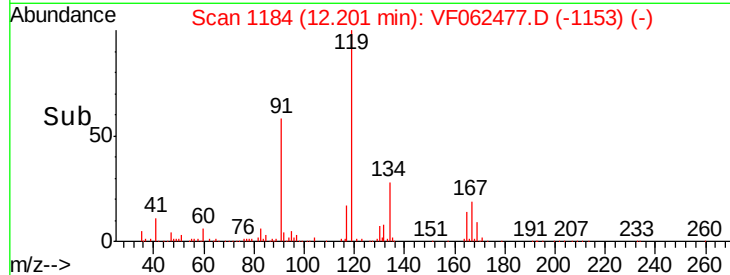
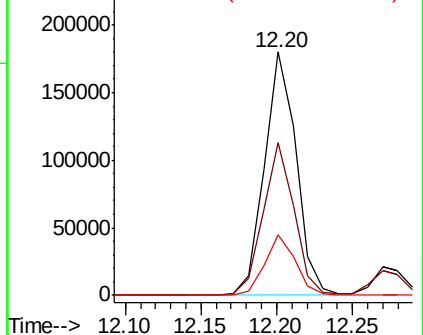
#83
tert-Butylbenzene
Concen: 21.291 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tot Ion:119 Resp: 265587
Ion Ratio Lower Upper
119 100
91 61.3 30.4 91.3
134 24.2 11.9 35.7

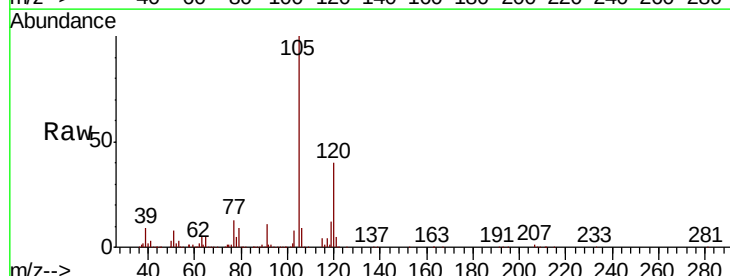


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

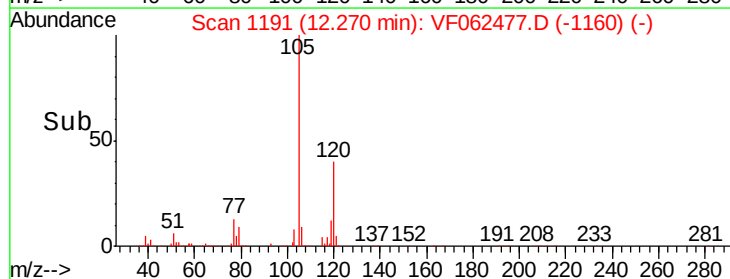
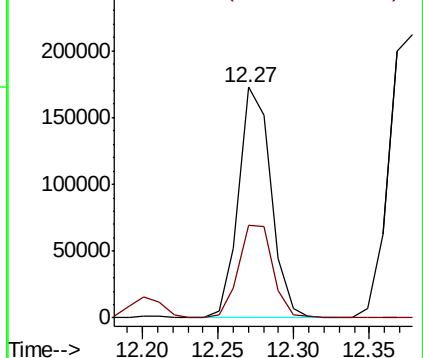


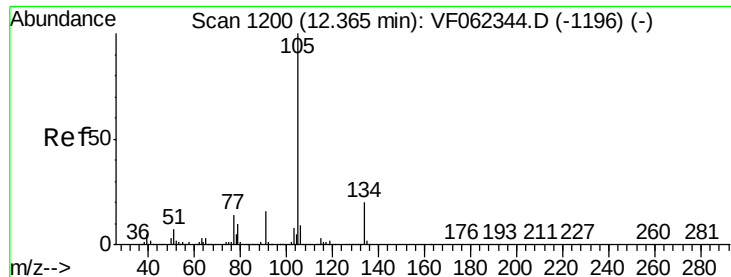
#84
1,2,4-Trimethylbenzene
Concen: 22.148 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:105 Resp: 257266
Ion Ratio Lower Upper
105 100
120 43.3 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 22.184 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

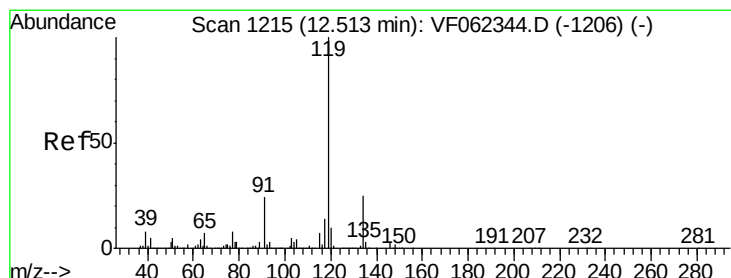
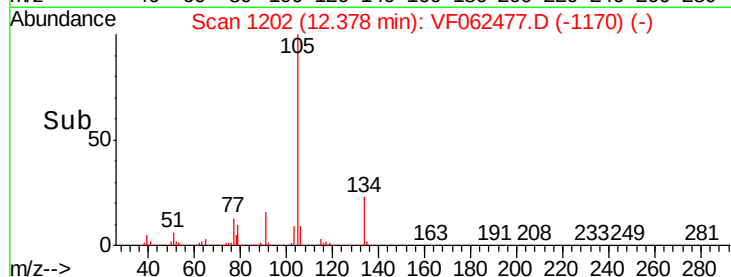
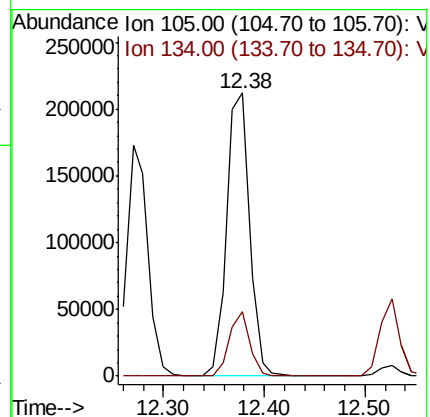
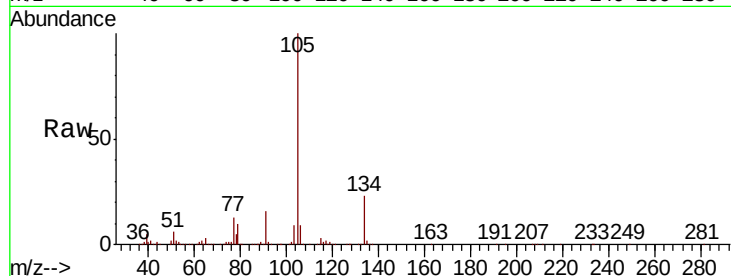
VF0511SBS02

Tot Ion:105 Resp: 336824

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.5



#86

p-Isopropyltoluene

Concen: 21.883 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

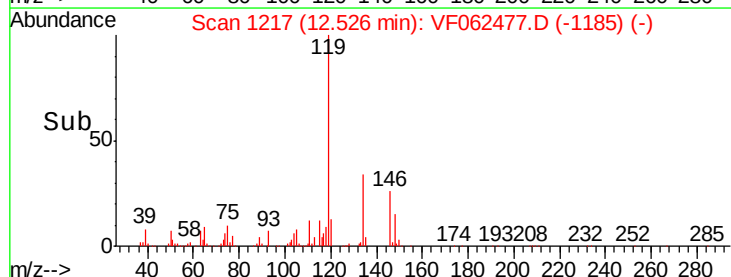
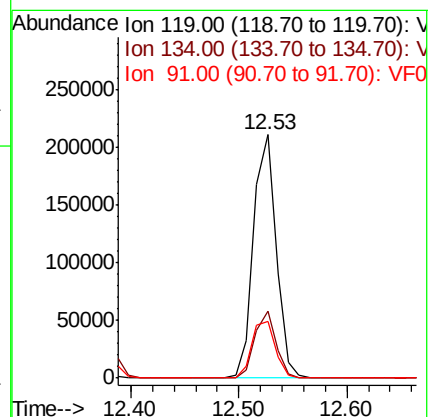
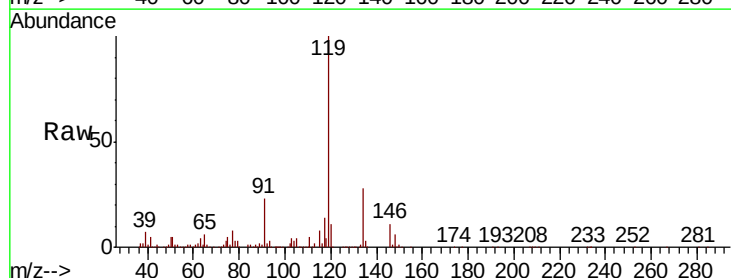
Tgt Ion:119 Resp: 308695

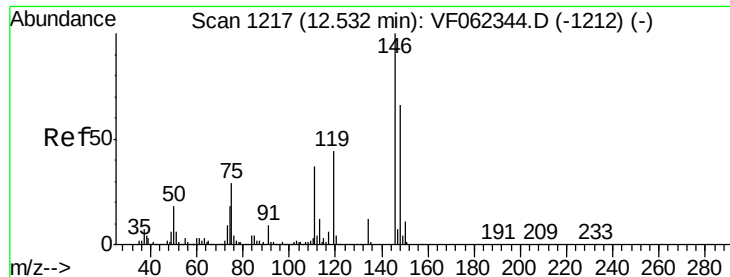
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.2 12.3 36.8

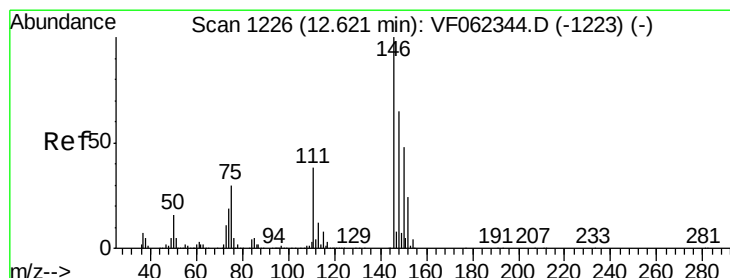
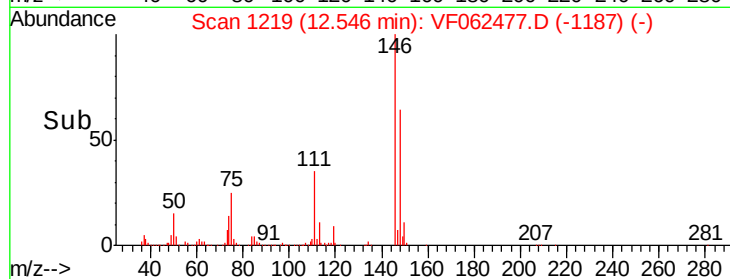
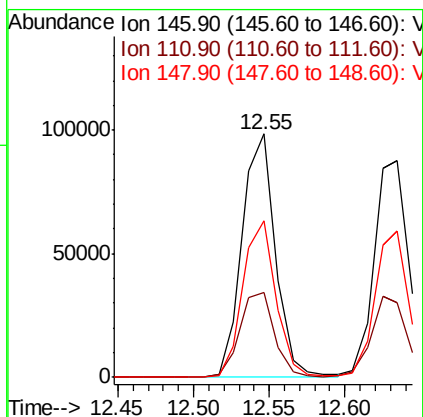
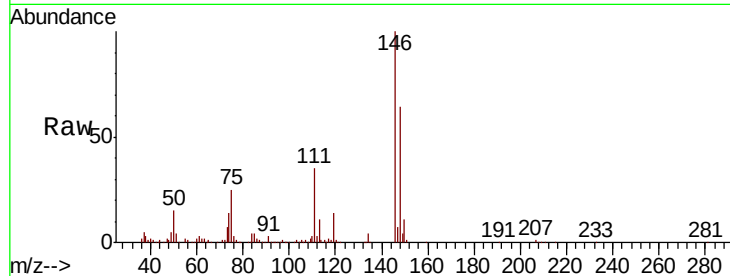




#87
 1,3-Dichlorobenzene
 Concen: 23.389 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

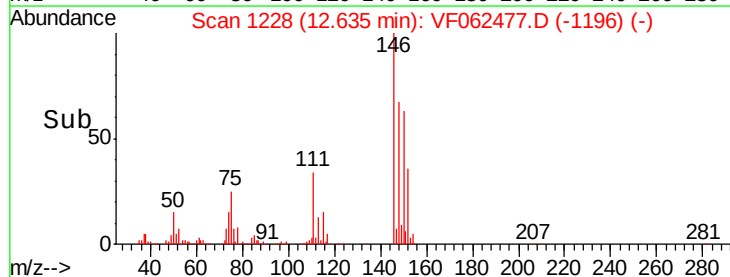
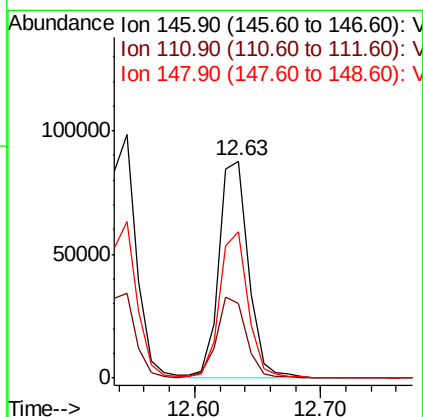
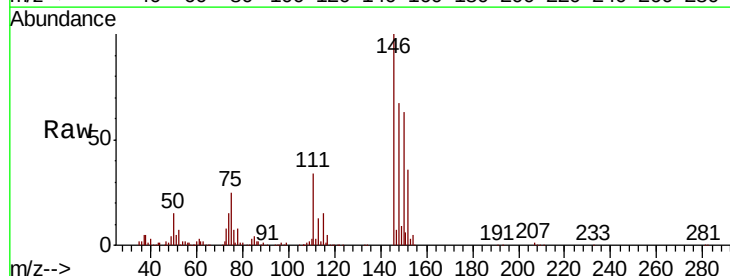
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

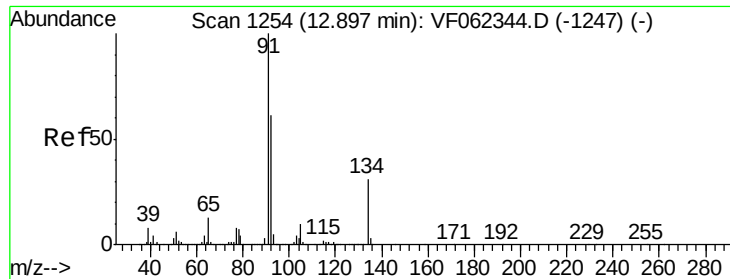
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.8
148	63.8	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.730 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	65.5	32.2	96.6





#89

n-Butylbenzene

Concen: 22.529 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

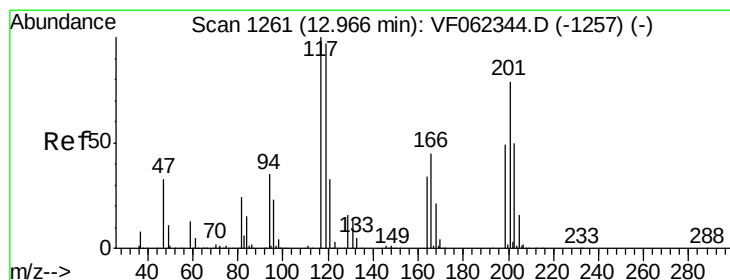
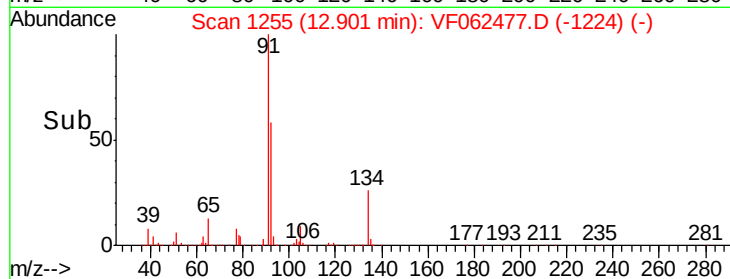
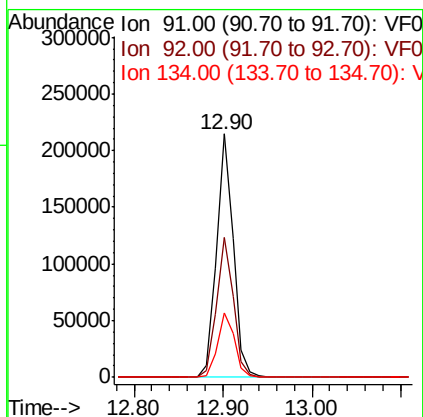
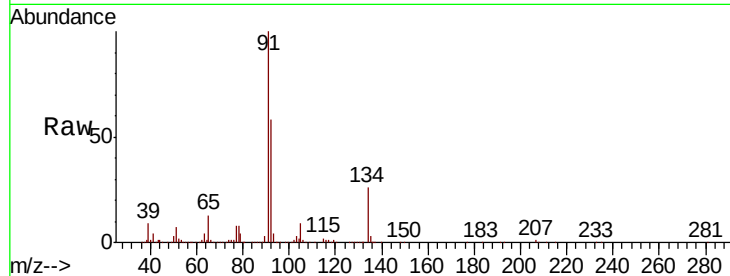
Tot Ion: 91 Resp: 282750

Ion Ratio Lower Upper

91 100

92 57.4 30.0 90.0

134 27.0 14.1 42.4



#90

Hexachloroethane

Concen: 20.538 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062477.D

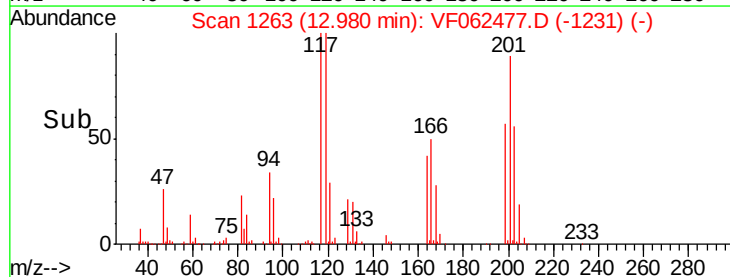
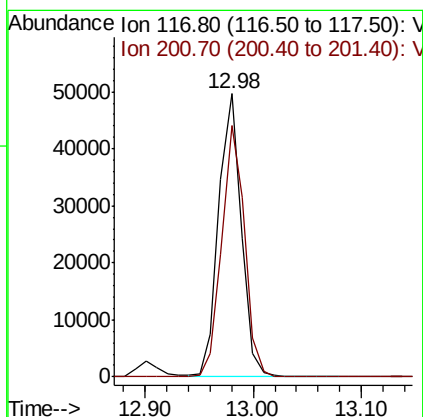
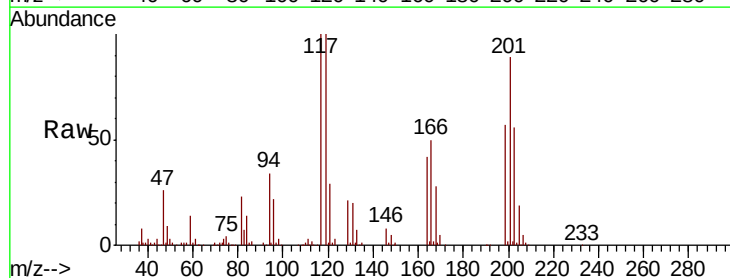
Acq: 12 May 2019 00:35

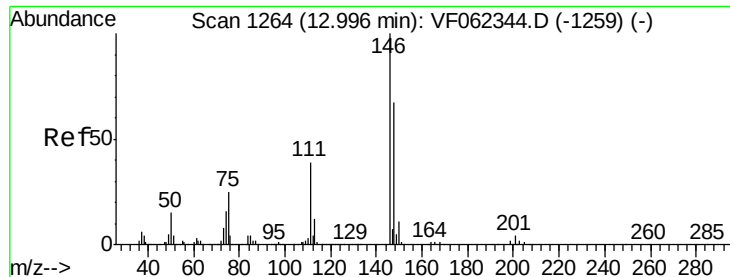
Tgt Ion: 117 Resp: 72340

Ion Ratio Lower Upper

117 100

201 89.3 46.2 138.5

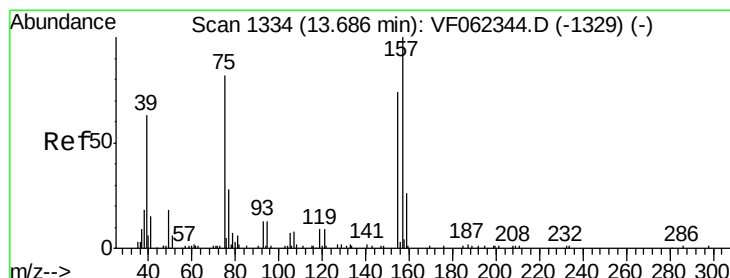
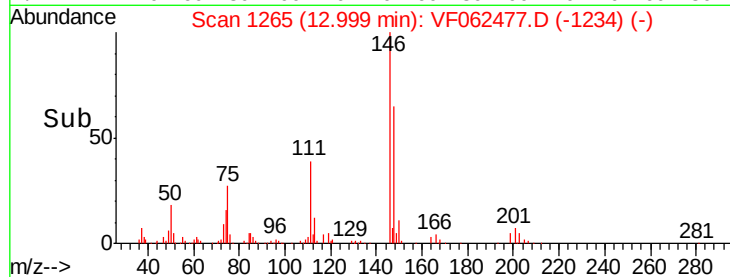
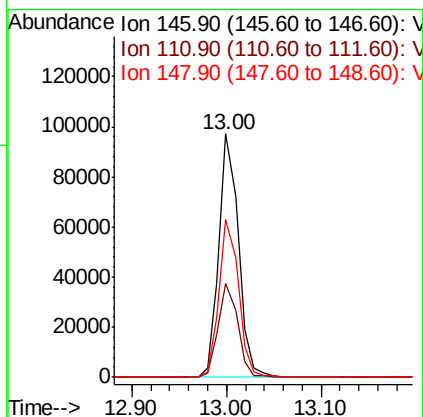
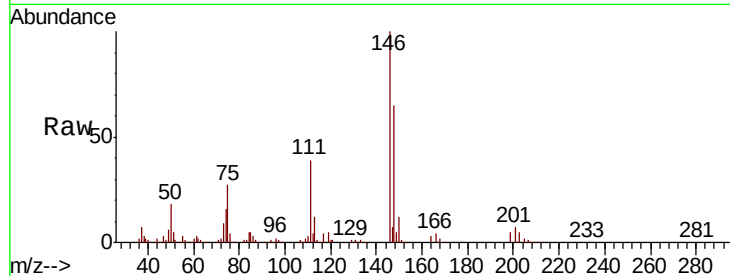




#91
 1,2-Dichlorobenzene
 Concen: 22.330 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

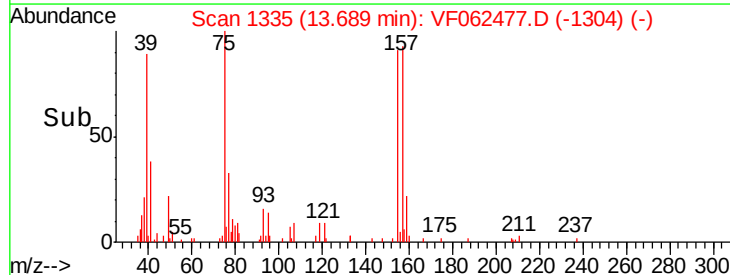
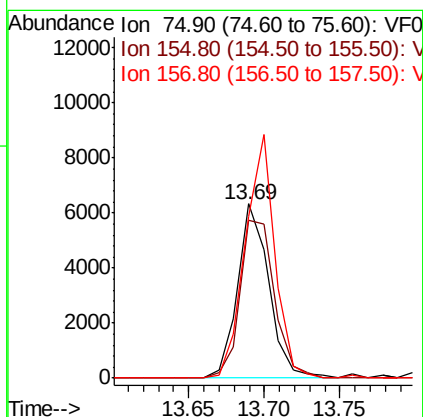
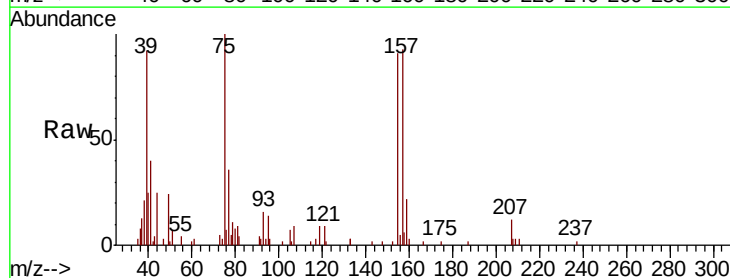
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

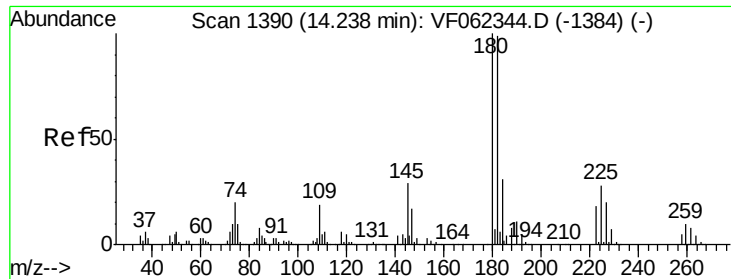
Tot Ion:146 Resp: 140290
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.0 60.0
 148 64.9 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.119 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 75 Resp: 9082
 Ion Ratio Lower Upper
 75 100
 155 100.7 51.8 155.4
 157 132.2 67.3 201.8

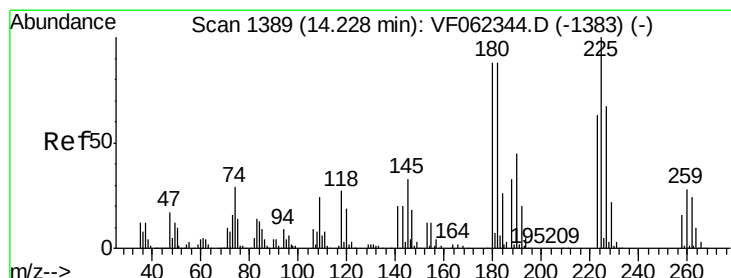
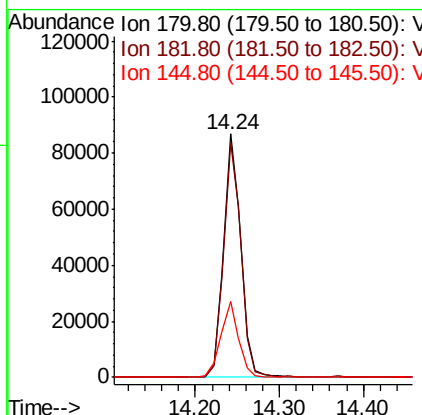
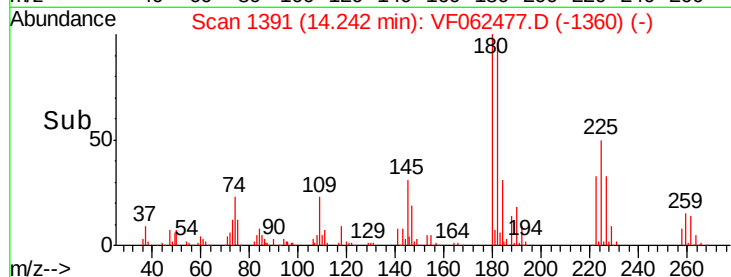
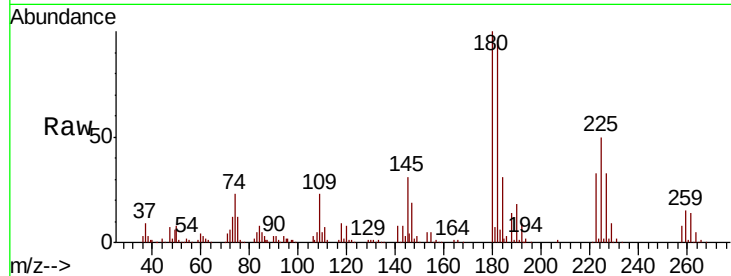




#93
 1,2,4-Trichlorobenzene
 Concen: 21.949 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

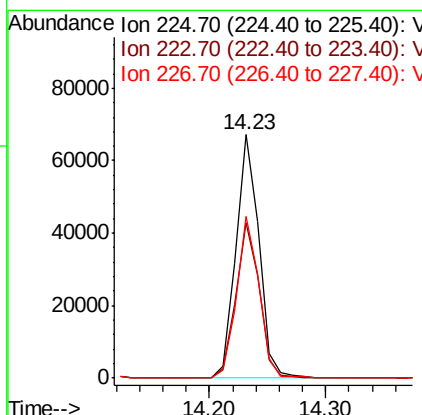
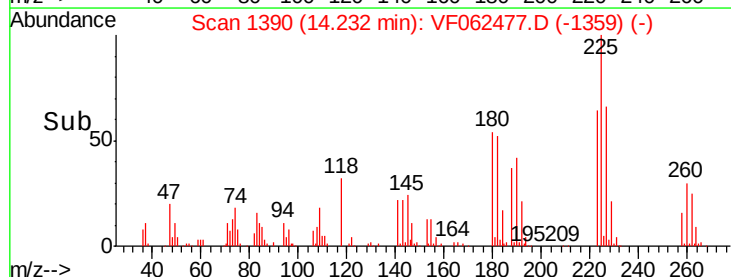
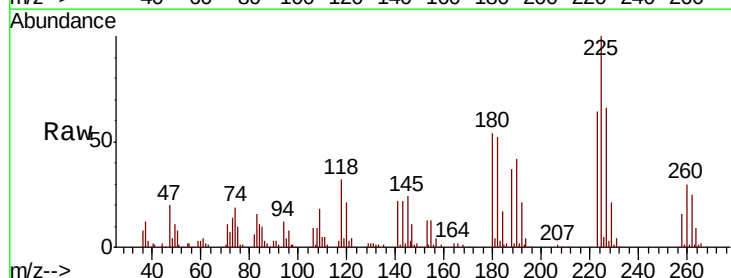
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

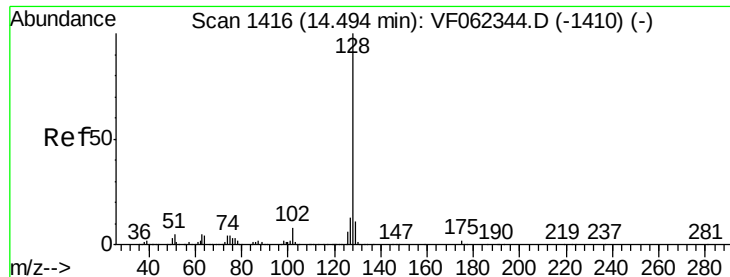
Tot Ion:180 Resp: 123685
 Ion Ratio Lower Upper
 180 100
 182 96.9 49.0 147.0
 145 32.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 21.870 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion:225 Resp: 91855
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.9 95.5
 227 65.4 33.1 99.5

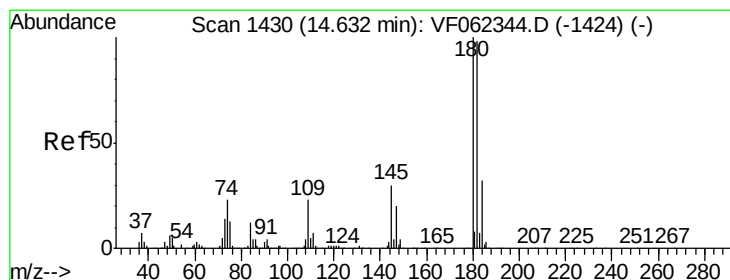
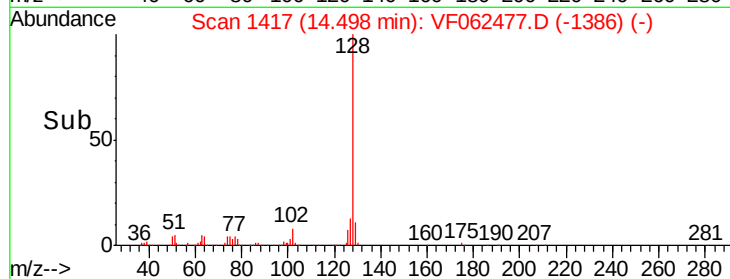
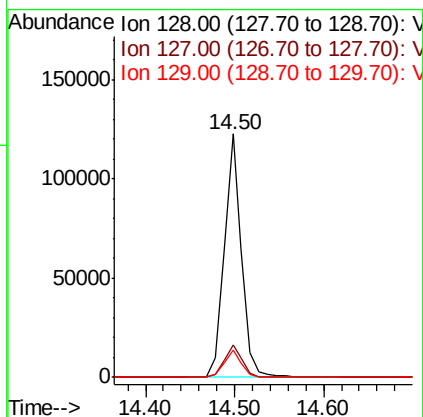
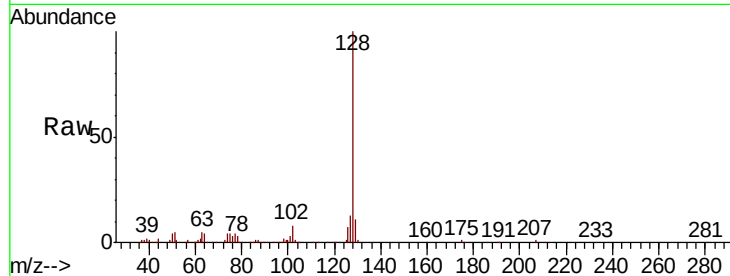




#95
Naphthalene
Concen: 19.740 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Tot Ion:128 Resp: 167239
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.349 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:180 Resp: 116551
Ion Ratio Lower Upper
180 100
182 96.5 49.4 148.0
145 29.0 14.8 44.3

