

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062433.D
 Acq On : 10 May 2019 21:11
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 11 05:38:08 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	310311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	424790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	361179	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	218975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	162096	55.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.54%	
35) Dibromofluoromethane	4.31	113	184317	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	7.72	98	425306	51.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.50	95	188029	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.01	85	164441	45.788	ug/l 94
3) Chloromethane	1.16	50	106778	45.081	ug/l 96
4) Vinyl Chloride	1.20	62	110421	46.738	ug/l 90
5) Bromomethane	1.41	94	95204	53.585	ug/l 96
6) Chloroethane	1.45	64	59463	50.062	ug/l 100
7) Trichlorofluoromethane	1.57	101	222002	45.289	ug/l 93
8) Diethyl Ether	1.72	74	37734	50.875	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	148197	52.955	ug/l 97
10) Methyl Iodide	1.99	142	249511	54.102	ug/l 99
11) Tert butyl alcohol	2.70	59	35284	212.887	ug/l 99
12) 1,1-Dichloroethene	1.88	96	119217	50.109	ug/l 96
13) Acrolein	2.10	56	19537	185.232	ug/l 88
14) Allyl chloride	2.20	41	134152	63.833	ug/l 98
15) Acrylonitrile	3.10	53	85281	271.634	ug/l 94
16) Acetone	2.35	43	137938	232.518	ug/l 96
17) Carbon Disulfide	1.93	76	243544	46.948	ug/l # 94
18) Methyl Acetate	2.47	43	51184	47.131	ug/l 99
19) Methyl tert-butyl Ether	2.56	73	253668	51.652	ug/l 95
20) Methylene Chloride	2.35	84	77080	35.912	ug/l 99
21) trans-1,2-Dichloroethene	2.43	96	110858	48.907	ug/l 99
22) Diisopropyl ether	2.94	45	341576	52.003	ug/l 98
23) Vinyl Acetate	3.35	43	730696	249.599	ug/l 98
24) 1,1-Dichloroethane	3.02	63	217813	54.867	ug/l 99
25) 2-Butanone	4.54	43	186280	249.940	ug/l 98
26) 2,2-Dichloropropane	3.79	77	120584	54.393	ug/l 98
27) cis-1,2-Dichloroethene	3.65	96	150953	53.276	ug/l 98
28) Bromochloromethane	3.91	49	103078	57.253	ug/l 96
29) Tetrahydrofuran	4.28	42	75904	221.594	ug/l 98
30) Chloroform	4.05	83	299590	55.860	ug/l 95
31) Cyclohexane	3.88	56	155764	49.158	ug/l 98
32) 1,1,1-Trichloroethane	4.30	97	259167	56.382	ug/l 94
36) 1,1-Dichloropropene	4.48	75	187317	51.332	ug/l 98
37) Ethyl Acetate	4.31	43	72767	51.351	ug/l # 100
38) Carbon Tetrachloride	4.19	117	218250	58.113	ug/l 95

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 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)
39) Methylcyclohexane	5.64	83	186938	51.080	ug/l	96
40) Benzene	4.83	78	405278	50.436	ug/l	96
41) Methacrylonitrile	4.94	41	38488	43.987	ug/l #	36
42) 1,2-Dichloroethane	5.14	62	179715	53.475	ug/l	99
43) Isopropyl Acetate	7.12	43	79393	47.833	ug/l #	97
44) Trichloroethene	5.69	130	160147	54.253	ug/l	98
45) 1,2-Dichloropropane	6.41	63	95660	52.558	ug/l	95
46) Dibromomethane	6.27	93	81650	54.106	ug/l	96
47) Bromodichloromethane	6.56	83	208410	55.239	ug/l	95
48) Methyl methacrylate	6.88	41	58050	49.490	ug/l	97
49) 1,4-Dioxane	6.87	88	9632	795.764	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	313804	249.507	ug/l	98
52) Toluene	7.78	92	252142	50.864	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	144324	50.577	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	172078	51.814	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	84519	53.708	ug/l	90
56) Ethyl methacrylate	8.76	69	83827	50.463	ug/l	95
57) 1,3-Dichloropropane	9.00	76	126242	53.109	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	111463	223.185	ug/l	100
59) 2-Hexanone	9.62	43	209301	240.624	ug/l	97
60) Dibromochloromethane	8.86	129	142387	55.322	ug/l	99
61) 1,2-Dibromoethane	9.14	107	95934	51.869	ug/l	99
64) Tetrachloroethene	8.31	164	148689	50.710	ug/l	99
65) Chlorobenzene	9.94	112	320468	53.626	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	162103	53.771	ug/l	96
67) Ethyl Benzene	10.04	91	544597	52.043	ug/l	98
68) m/p-Xylenes	10.26	106	404854	104.858	ug/l	99
69) o-Xylene	10.83	106	223436	53.555	ug/l	99
70) Styrene	10.89	104	320657	51.283	ug/l	98
71) Bromoform	10.88	173	80190	48.553	ug/l	95
73) Isopropylbenzene	11.22	105	696843	53.679	ug/l	100
74) N-amyl acetate	11.45	43	133257	47.814	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	102028	50.196	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	75985	48.999	ug/l #	100
77) Bromobenzene	11.58	156	180458	52.967	ug/l	99
78) n-propylbenzene	11.67	91	717312	51.900	ug/l	100
79) 2-Chlorotoluene	11.80	91	445856	51.879	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	600272	52.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	38566	66.161	ug/l #	68
82) 4-Chlorotoluene	11.97	91	446944	52.655	ug/l	100
83) tert-Butylbenzene	12.20	119	615862	51.502	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	580503	52.133	ug/l	99
85) sec-Butylbenzene	12.37	105	766326	52.650	ug/l	99
86) p-Isopropyltoluene	12.52	119	711124	52.586	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	322562	51.839	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	317961	52.944	ug/l	99
89) n-Butylbenzene	12.90	91	633878	52.686	ug/l	99
90) Hexachloroethane	12.97	117	174409	51.653	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	308671	51.251	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	23092	50.711	ug/l	94

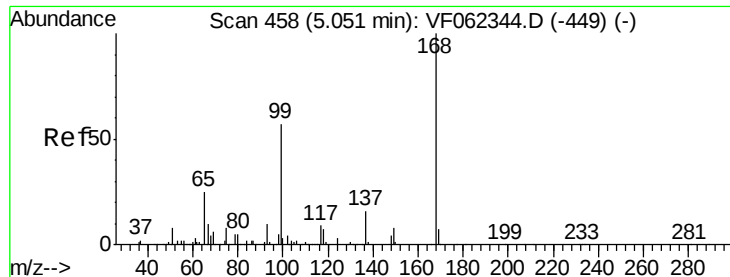
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	286465	53.028	ug/l	99
94) Hexachlorobutadiene	14.23	225	219722	54.571	ug/l	97
95) Naphthalene	14.49	128	433317	53.354	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	279727	53.449	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

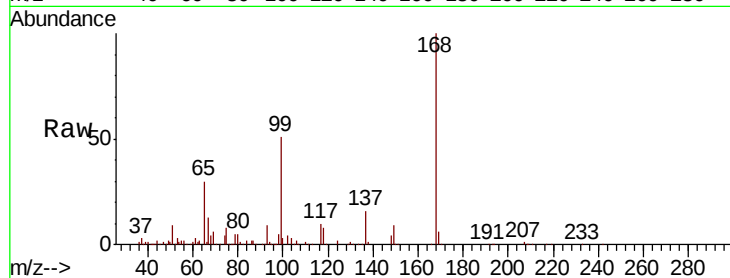
VSTDCCC050

Tot Ion:168 Resp: 310311

Ion Ratio Lower Upper

168 100

99 51.2 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

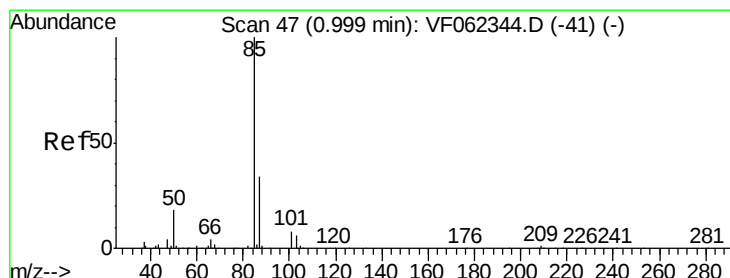
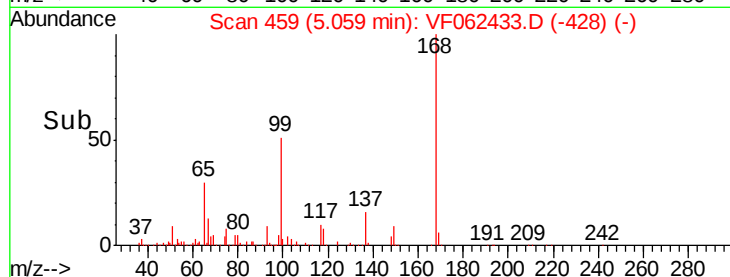
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.788 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062433.D

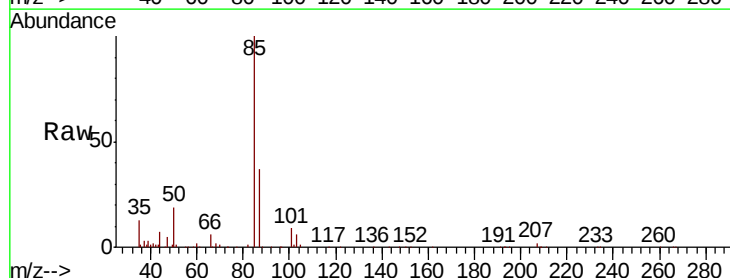
Acq: 10 May 2019 21:11

Tgt Ion: 85 Resp: 164441

Ion Ratio Lower Upper

85 100

87 37.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

50000

40000

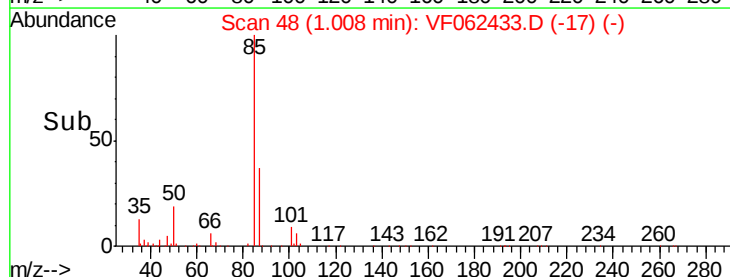
30000

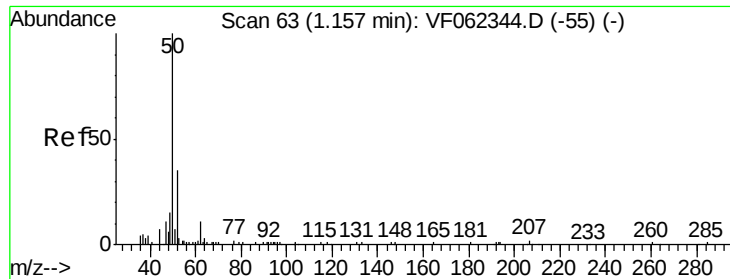
20000

10000

0

Time-->





#3

Chloromethane

Concen: 45.081 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

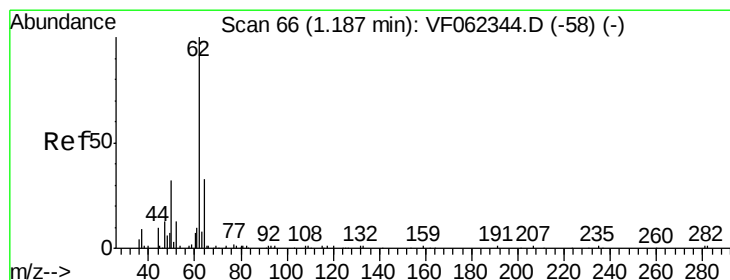
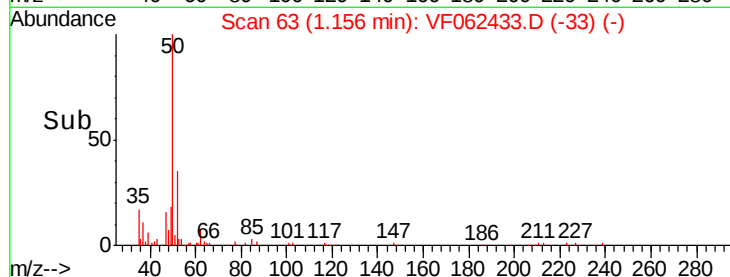
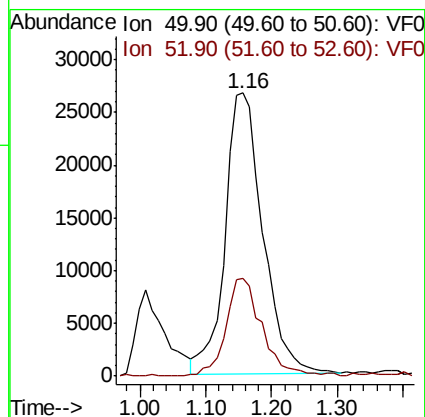
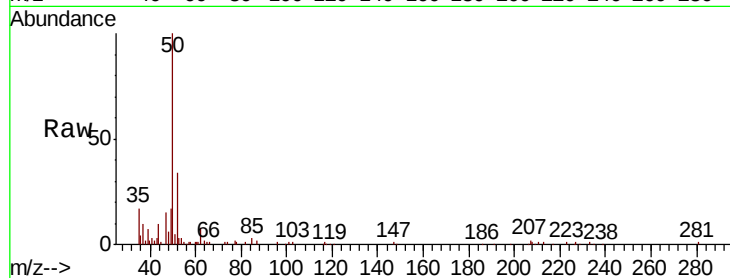
VSTDCCC050

Tot Ion: 50 Resp: 106778

Ion Ratio Lower Upper

50 100

52 34.9 26.1 39.1



#4

Vinyl Chloride

Concen: 46.738 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062433.D

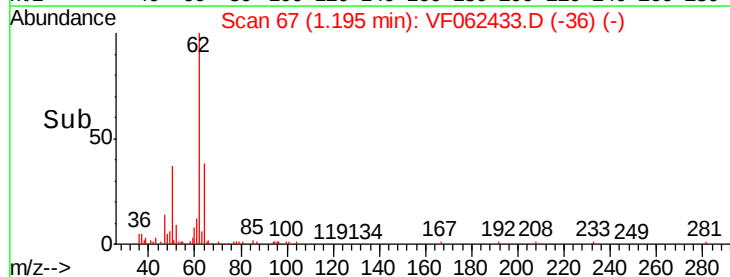
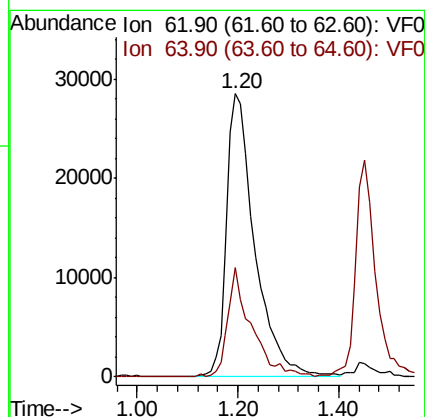
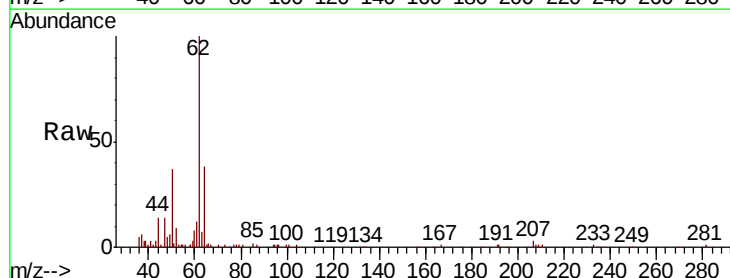
Acq: 10 May 2019 21:11

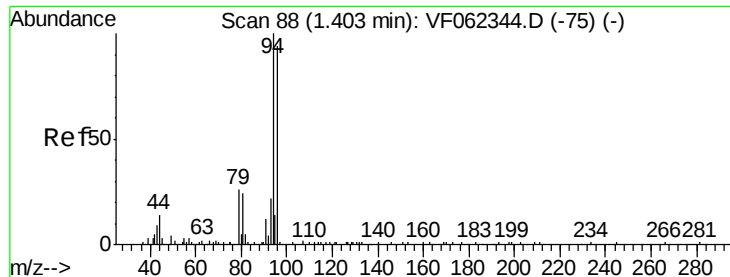
Tgt Ion: 62 Resp: 110421

Ion Ratio Lower Upper

62 100

64 38.4 26.1 39.1





#5

Bromomethane

Concen: 53.585 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

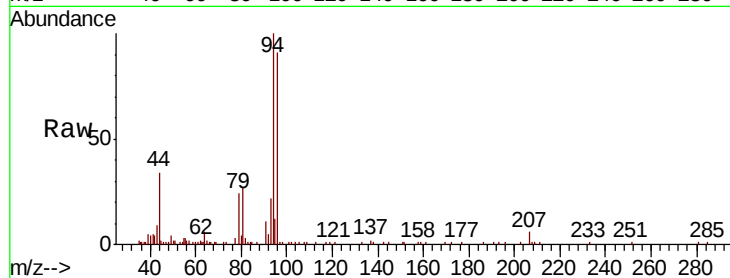
VSTDCCC050

Tot Ion: 94 Resp: 95204

Ion Ratio Lower Upper

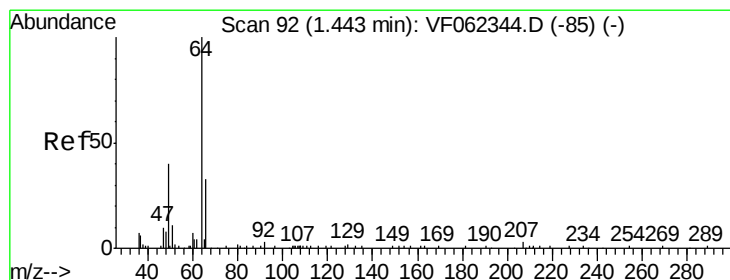
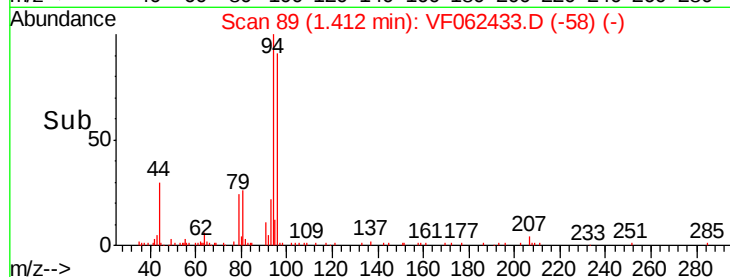
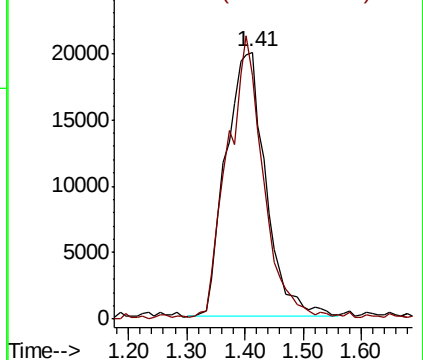
94 100

96 90.7 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 50.062 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062433.D

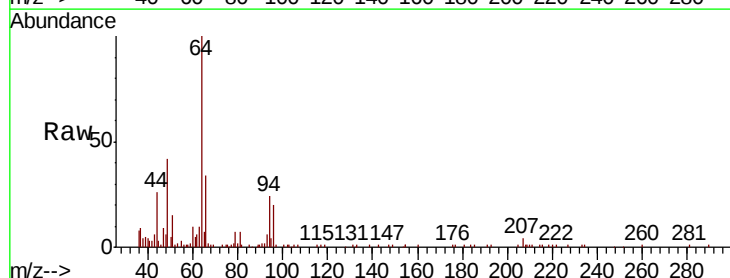
Acq: 10 May 2019 21:11

Tgt Ion: 64 Resp: 59463

Ion Ratio Lower Upper

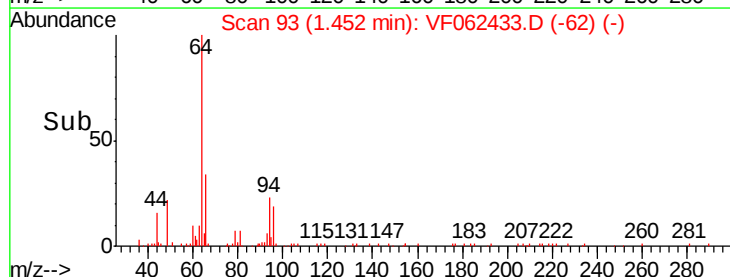
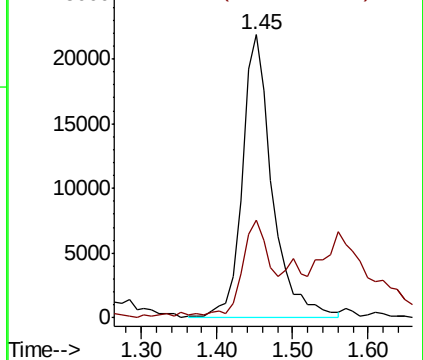
64 100

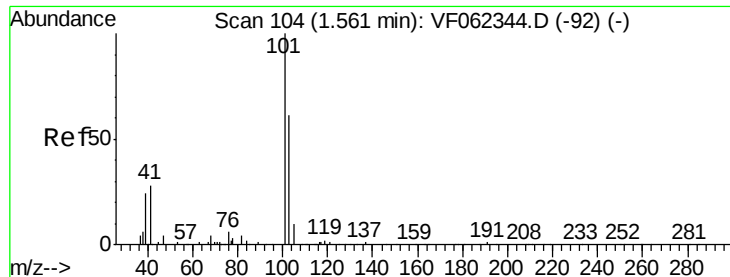
66 33.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



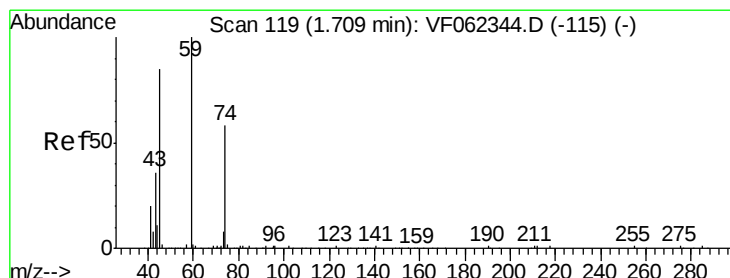
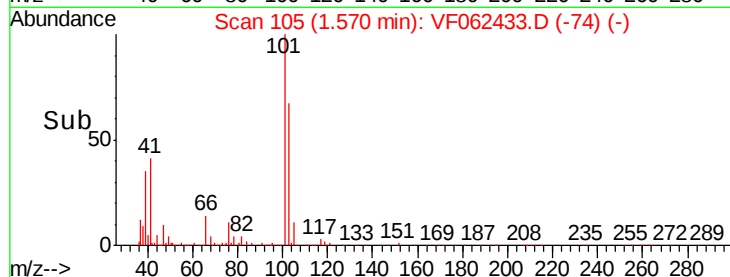
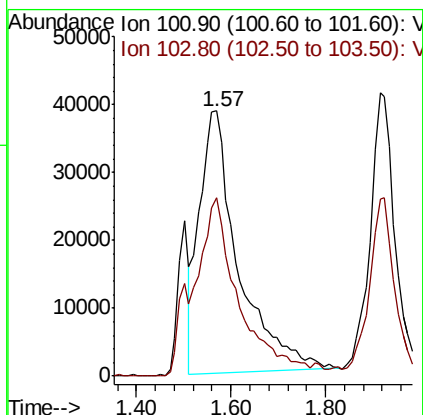
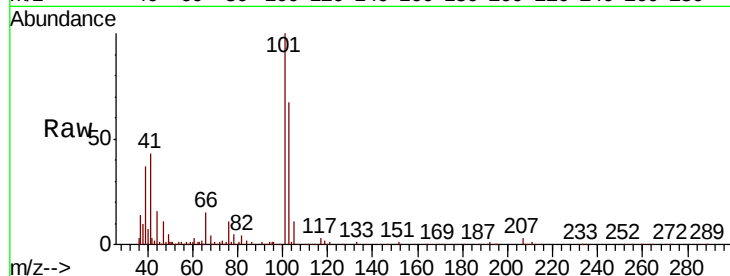


#7

Trichlorofluoromethane
Concen: 45.289 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

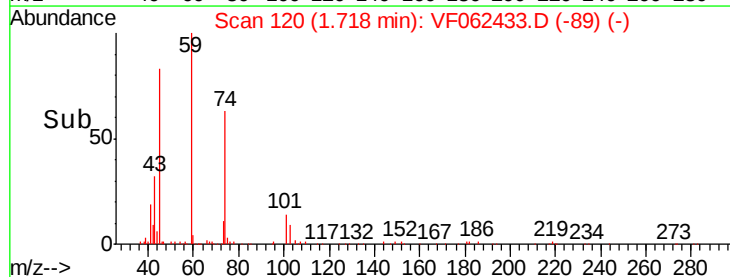
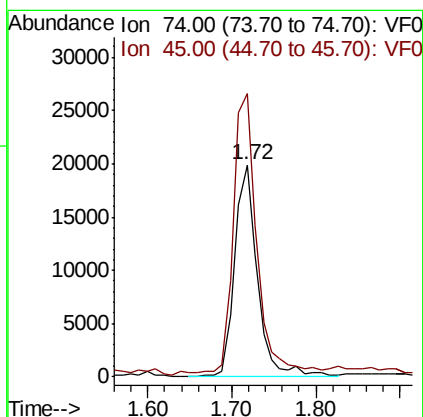
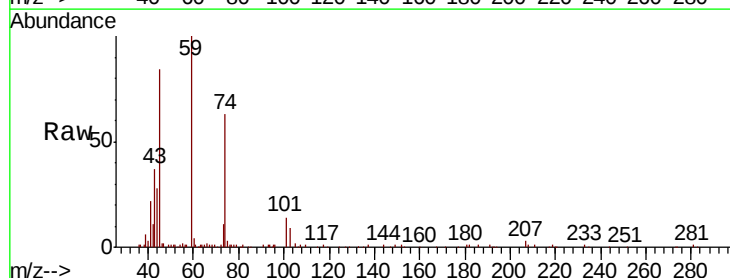
Tot Ion:101 Resp: 222002
Ion Ratio Lower Upper
101 100
103 65.6 48.5 72.7



#8

Diethyl Ether
Concen: 50.875 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 74 Resp: 37734
Ion Ratio Lower Upper
74 100
45 139.2 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.955 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

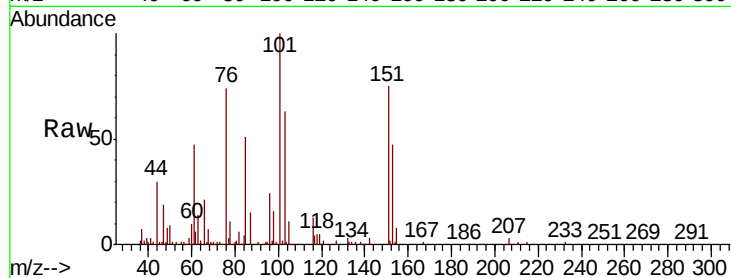
Tot Ion:101 Resp: 148197

Ion Ratio Lower Upper

101 100

85 49.1 39.5 59.3

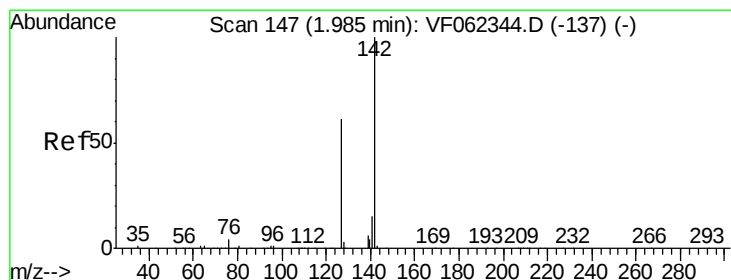
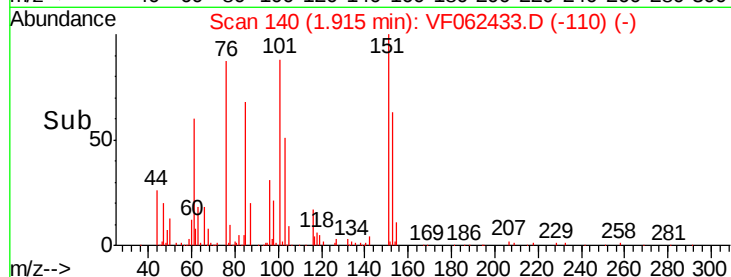
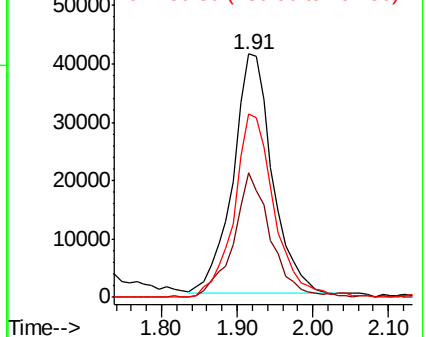
151 78.2 59.9 89.9



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: 54.102 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

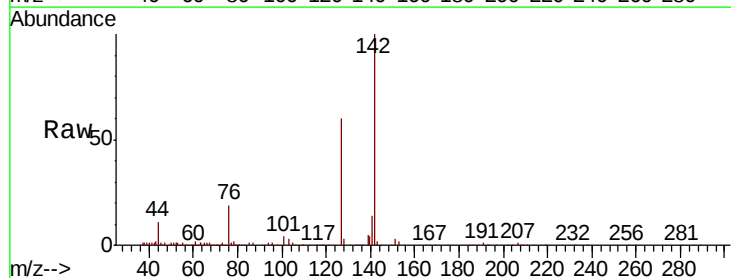
Tgt Ion:142 Resp: 249511

Ion Ratio Lower Upper

142 100

127 60.9 48.4 72.6

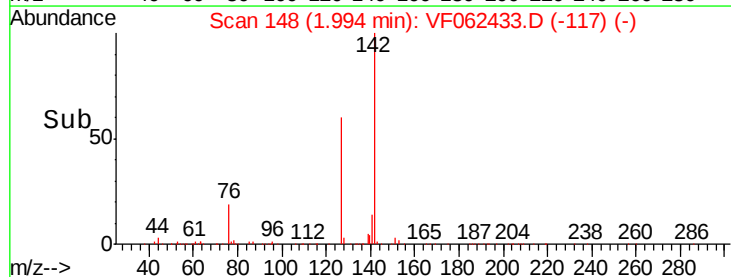
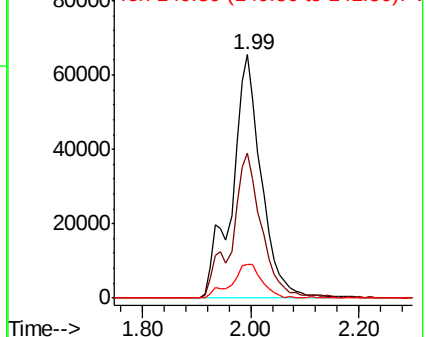
141 14.6 12.2 18.4

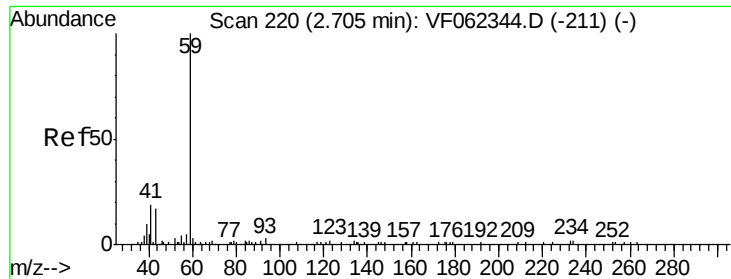


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



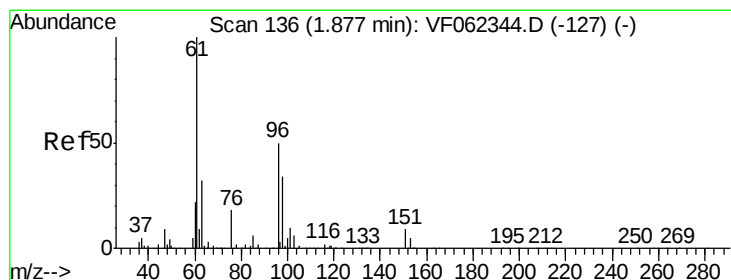
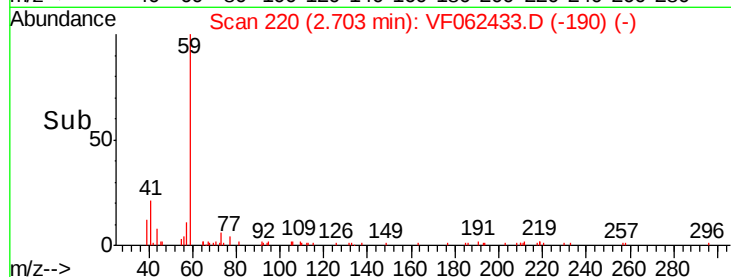
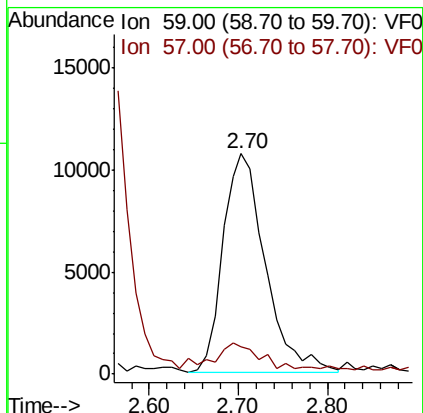
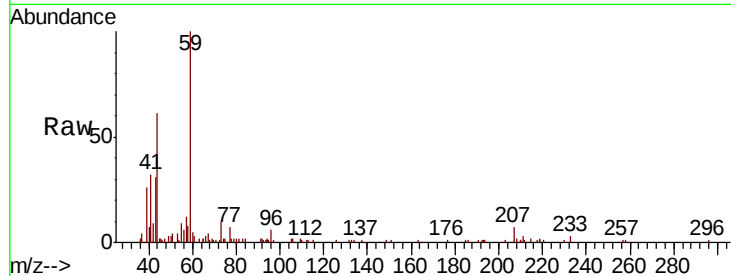


#11

Tert butyl alcohol
 Concen: 212.887 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

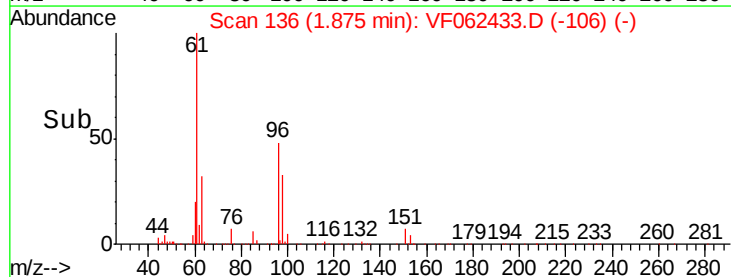
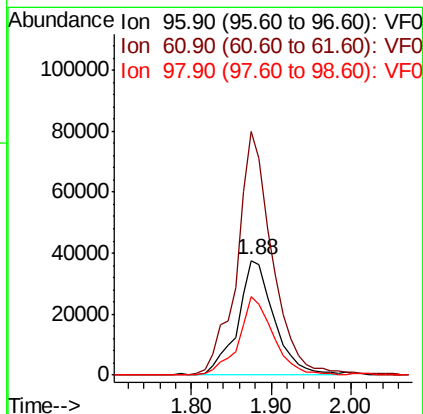
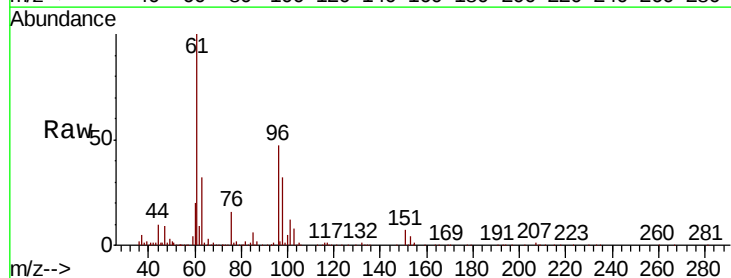
Tot Ion: 59 Resp: 35284
 Ion Ratio Lower Upper
 59 100
 57 11.9 9.3 13.9

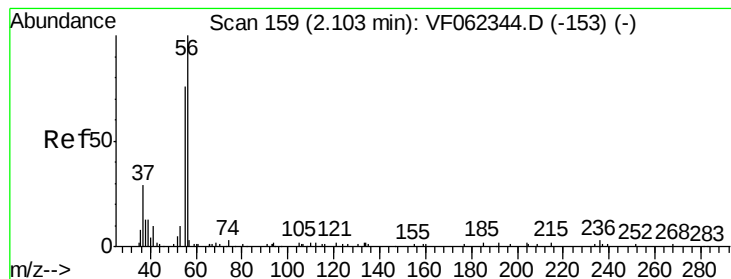


#12

1,1-Dichloroethene
 Concen: 50.109 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion: 96 Resp: 119217
 Ion Ratio Lower Upper
 96 100
 61 211.7 163.2 244.8
 98 68.3 55.2 82.8





#13

Acrolein

Concen: 185.232 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

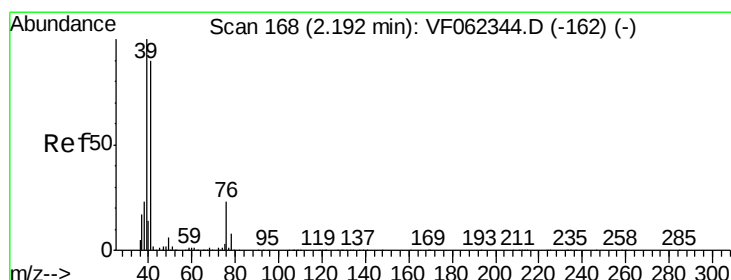
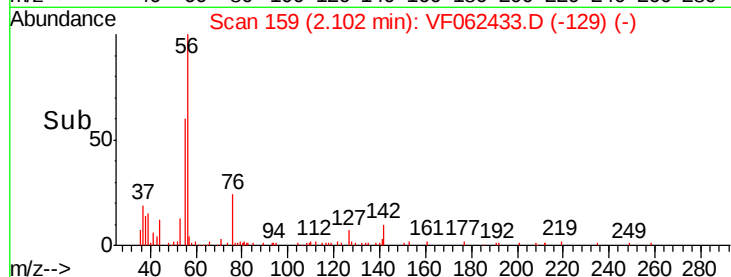
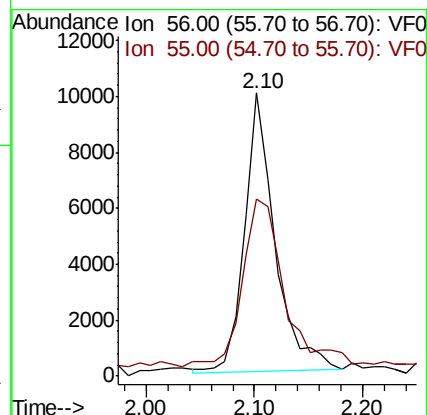
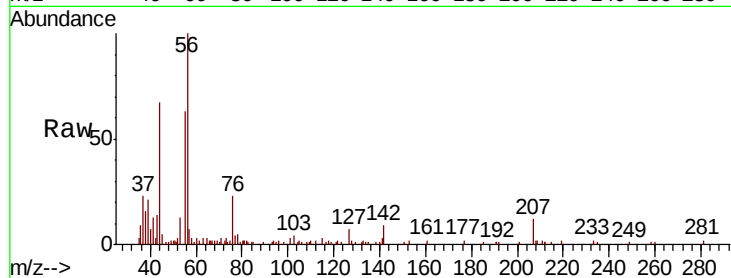
VSTDCCC050

Tot Ion: 56 Resp: 19537

Ion Ratio Lower Upper

56 100

55 83.3 58.4 87.6



#14

Allyl chloride

Concen: 63.833 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

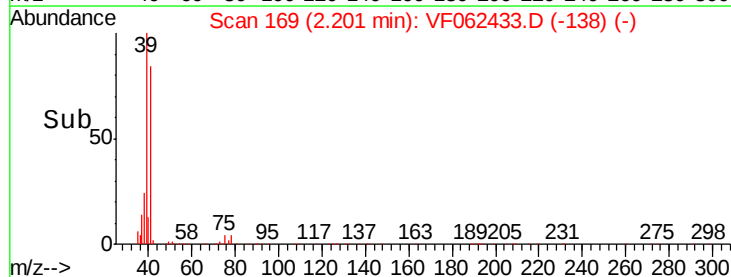
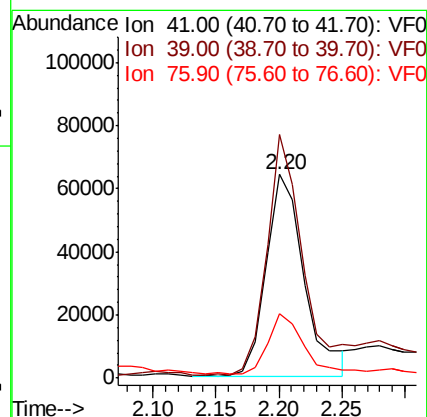
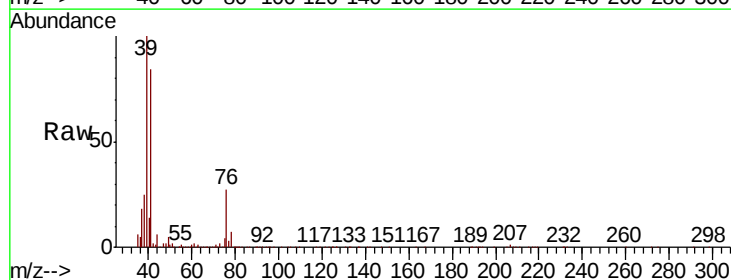
Tgt Ion: 41 Resp: 134152

Ion Ratio Lower Upper

41 100

39 116.4 90.8 136.2

76 27.8 22.2 33.4





#15

Acrylonitrile

Concen: 271.634 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

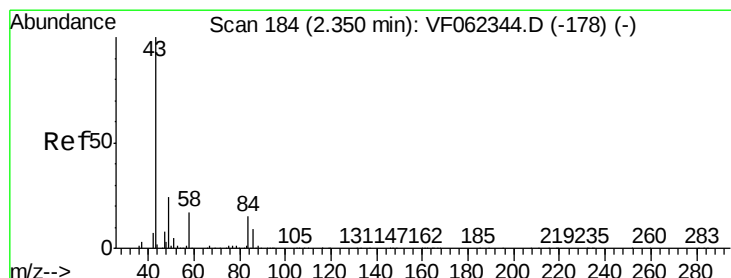
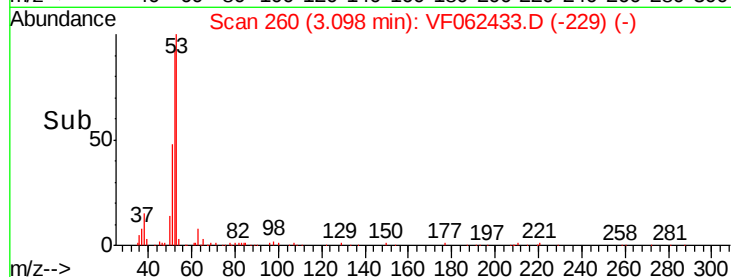
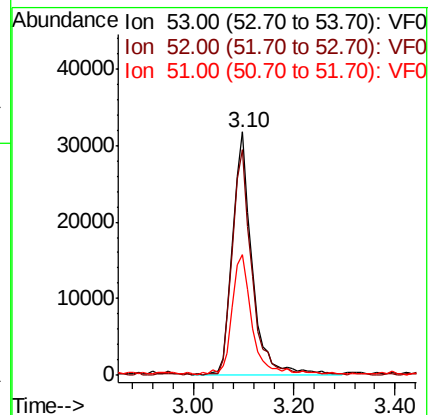
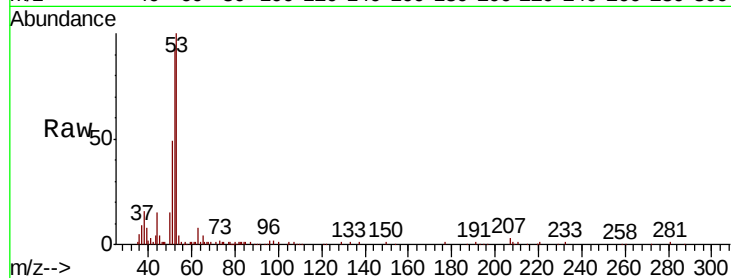
Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 53 Resp: 85281

Ion	Ratio	Lower	Upper
53	100		
52	88.2	77.2	115.8
51	50.1	40.6	61.0



#16

Acetone

Concen: 232.518 ug/l

RT: 2.35 min Scan# 184

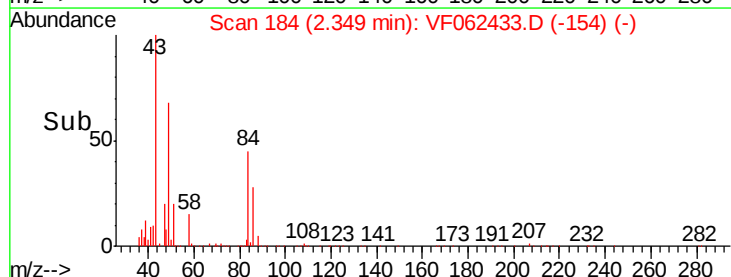
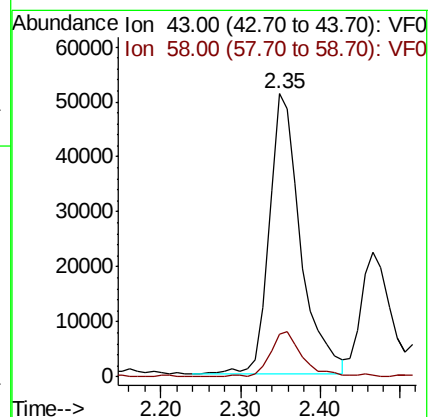
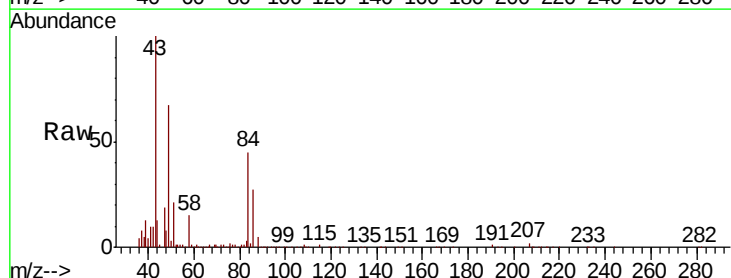
Delta R.T. -0.00 min

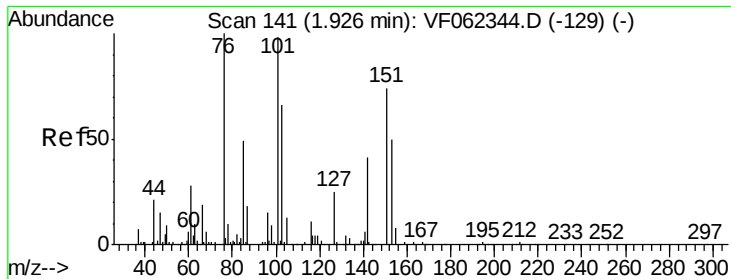
Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion: 43 Resp: 137938

Ion	Ratio	Lower	Upper
43	100		
58	14.9	13.1	19.7





#17

Carbon Disulfide

Concen: 46.948 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

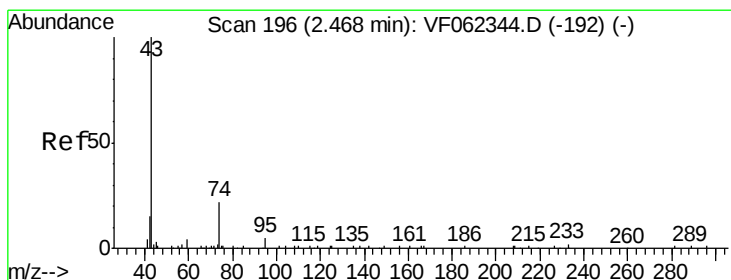
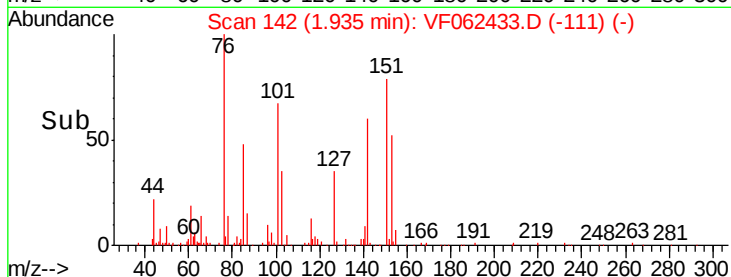
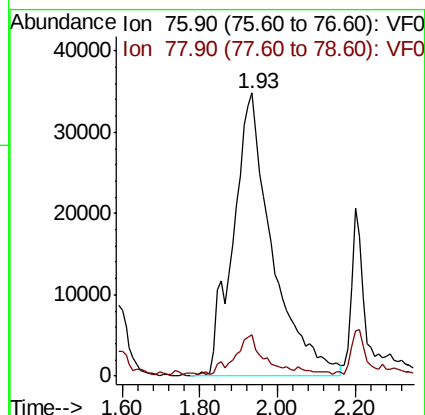
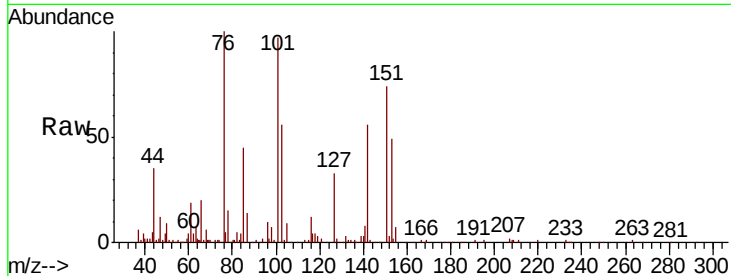
VSTDCCC050

Tot Ion: 76 Resp: 243544

Ion Ratio Lower Upper

76 100

78 13.5 9.0 13.4#



#18

Methyl Acetate

Concen: 47.131 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062433.D

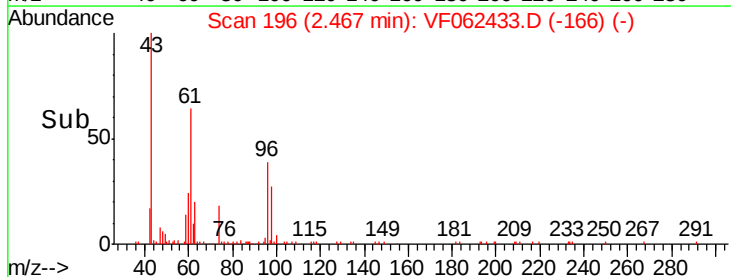
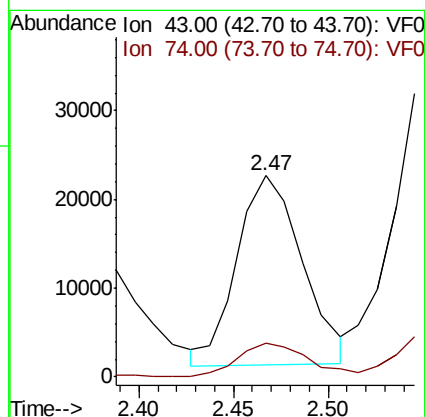
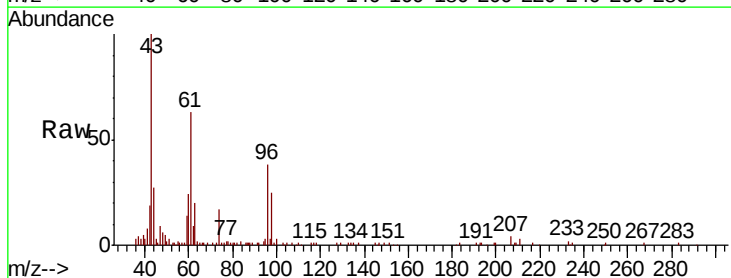
Acq: 10 May 2019 21:11

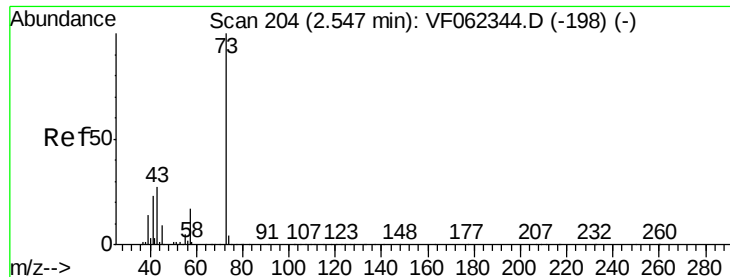
Tgt Ion: 43 Resp: 51184

Ion Ratio Lower Upper

43 100

74 19.3 15.0 22.4



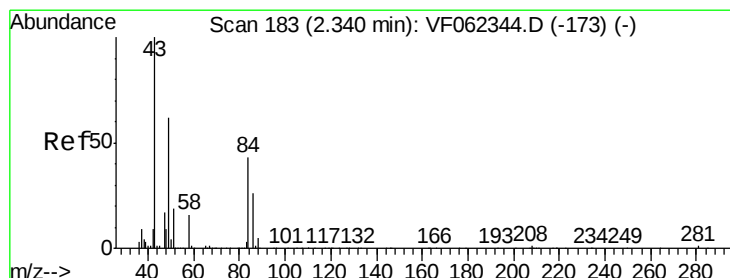
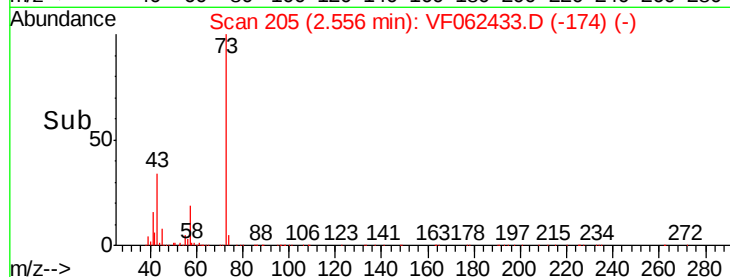
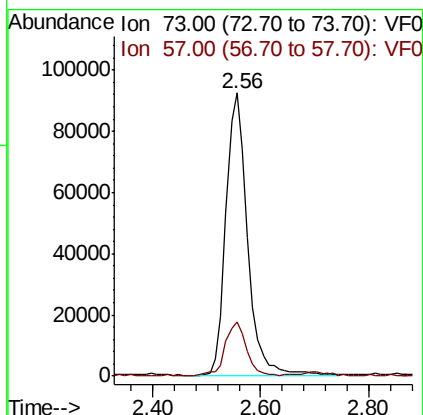
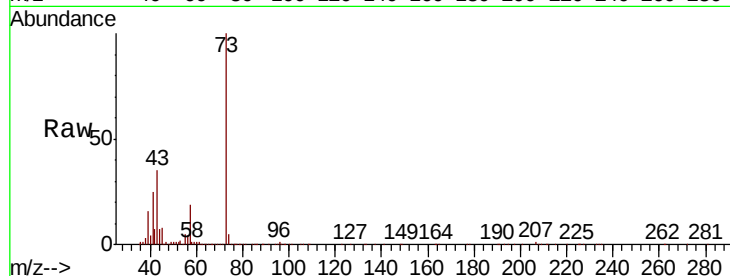


#19

Methyl tert-butyl Ether
 Concen: 51.652 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

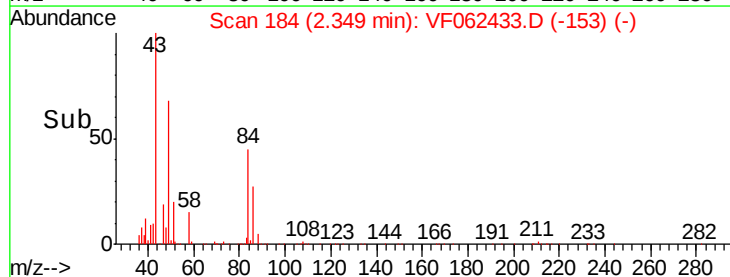
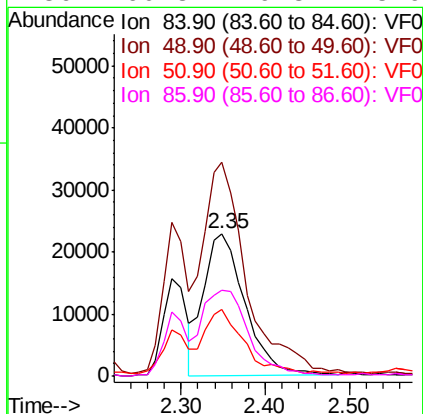
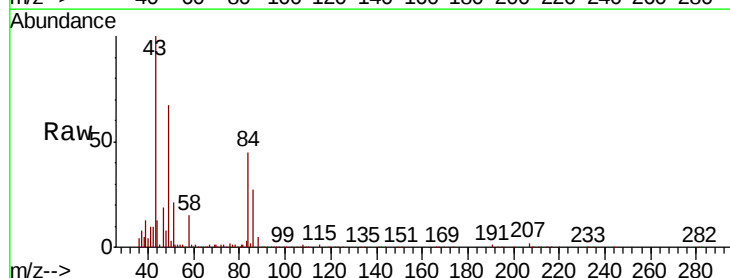
Tot Ion: 73 Resp: 253668
 Ion Ratio Lower Upper
 73 100
 57 19.2 13.7 20.5

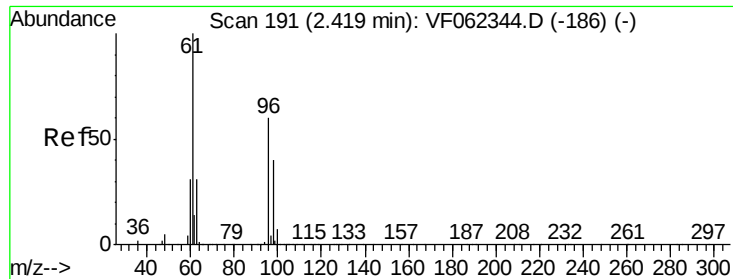


#20

Methylene Chloride
 Concen: 35.912 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion: 84 Resp: 77080
 Ion Ratio Lower Upper
 84 100
 49 147.6 117.5 176.3
 51 44.5 37.0 55.4
 86 60.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 48.907 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

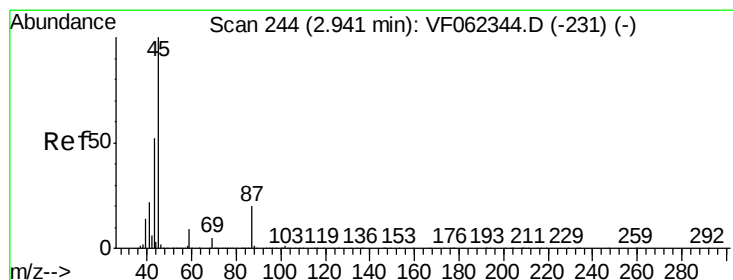
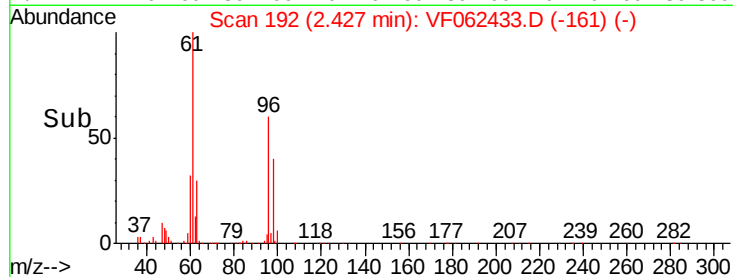
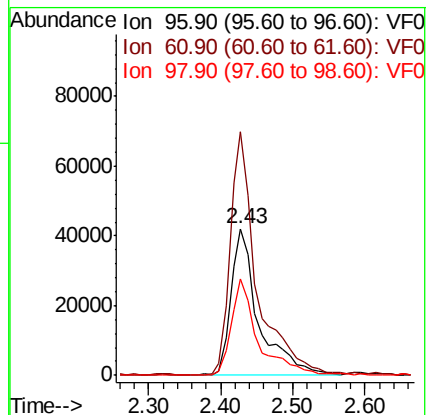
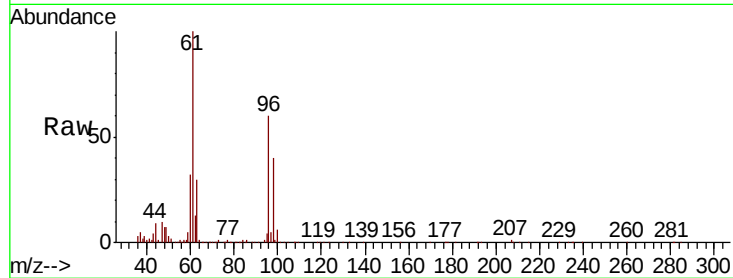
Tot Ion: 96 Resp: 110858

Ion Ratio Lower Upper

96 100

61 165.8 133.2 199.8

98 65.9 53.1 79.7



#22

Diisopropyl ether

Concen: 52.003 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion: 45 Resp: 341576

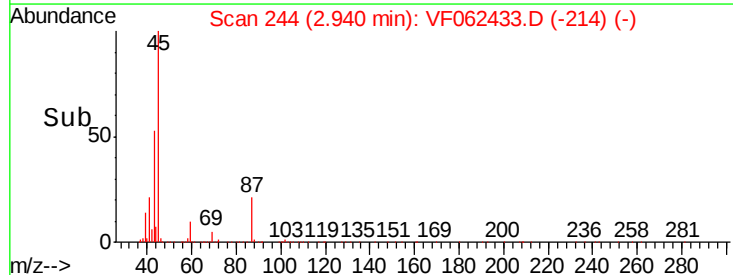
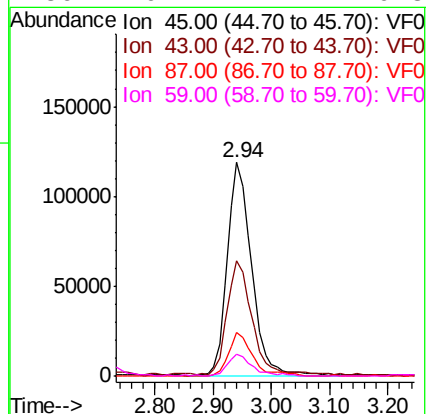
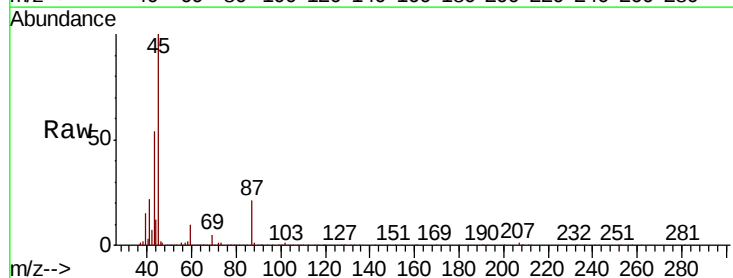
Ion Ratio Lower Upper

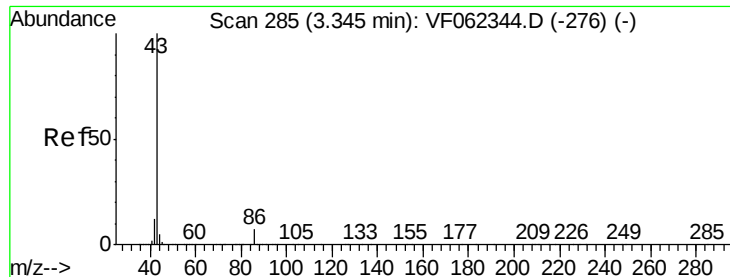
45 100

43 53.1 41.4 62.0

87 20.7 15.8 23.6

59 10.1 7.2 10.8





#23

Vinyl Acetate

Concen: 249.599 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

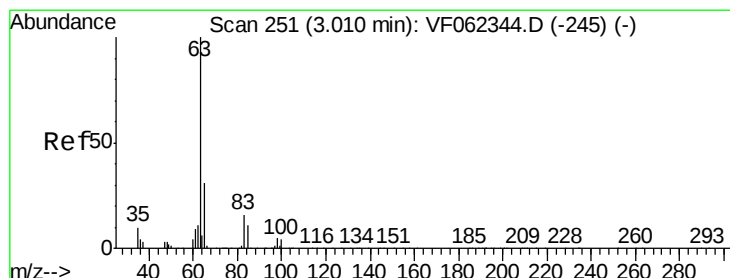
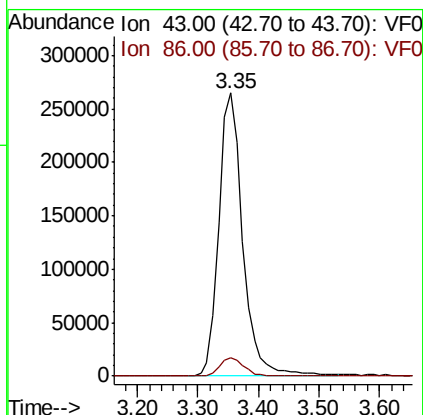
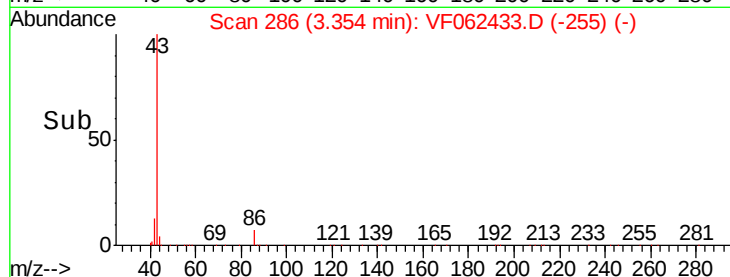
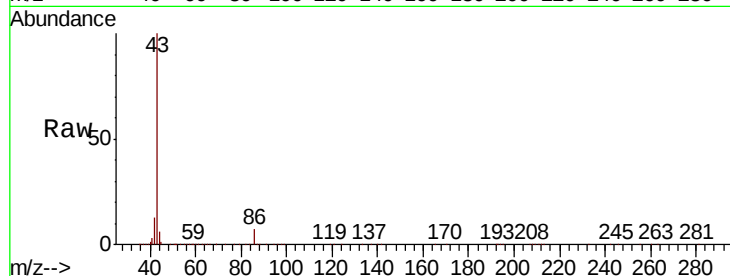
VSTDCCC050

Tot Ion: 43 Resp: 730696

Ion Ratio Lower Upper

43 100

86 6.6 5.7 8.5



#24

1,1-Dichloroethane

Concen: 54.867 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

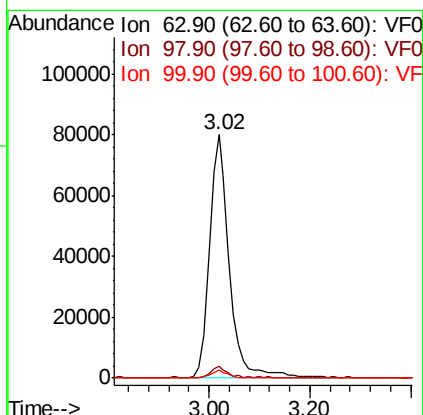
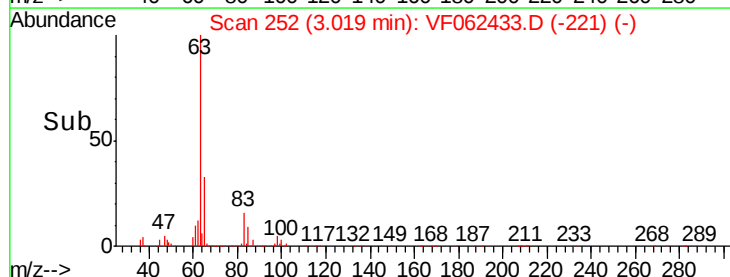
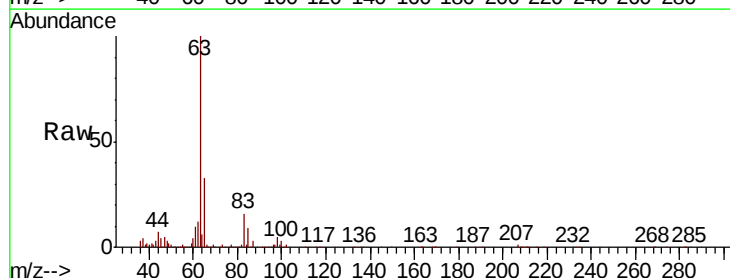
Tgt Ion: 63 Resp: 217813

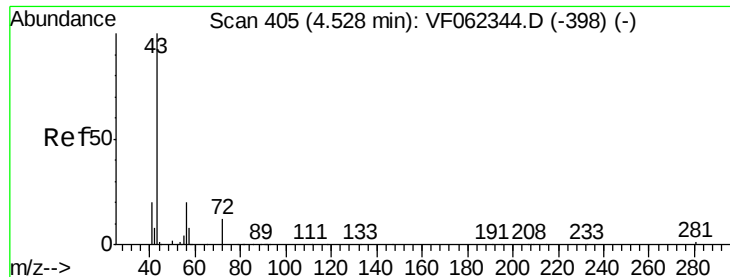
Ion Ratio Lower Upper

63 100

98 5.1 2.6 8.0

100 3.3 1.8 5.4





#25

2-Butanone

Concen: 249.940 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

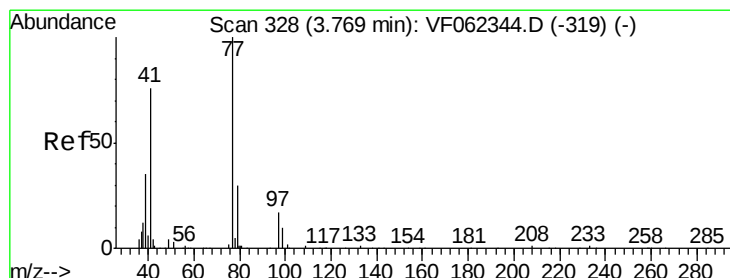
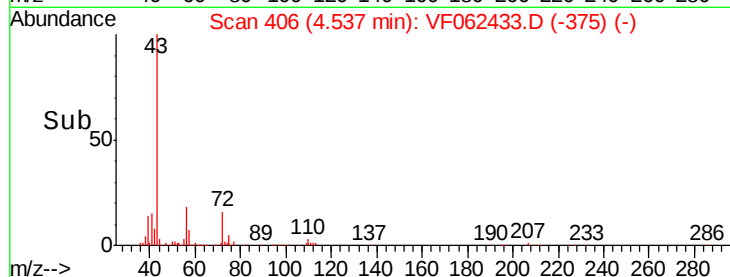
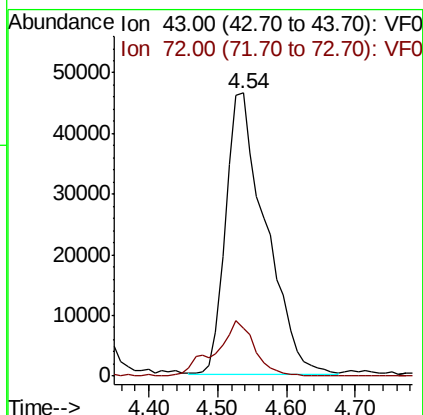
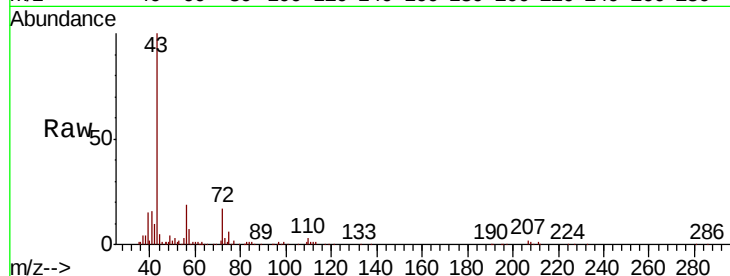
VSTDCCC050

Tot Ion: 43 Resp: 186280

Ion Ratio Lower Upper

43 100

72 16.9 14.2 21.4



#26

2,2-Dichloropropane

Concen: 54.393 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF062433.D

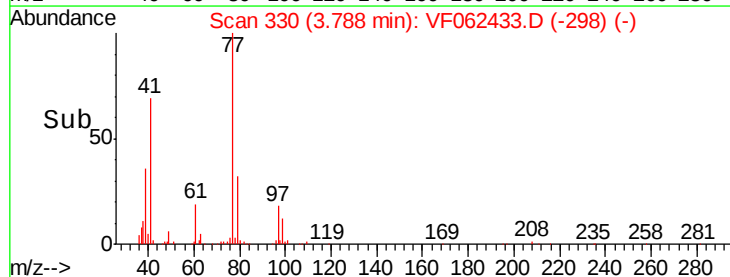
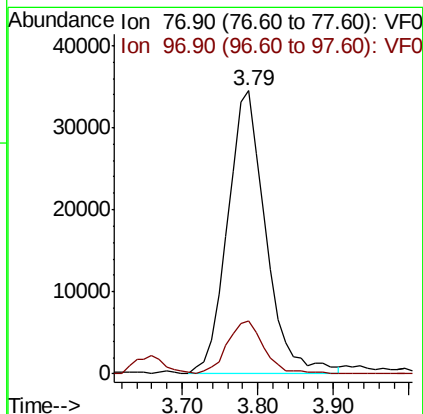
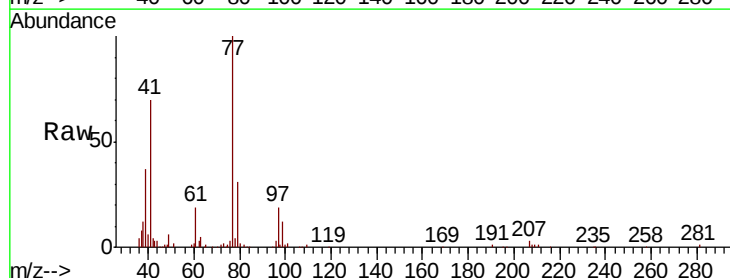
Acq: 10 May 2019 21:11

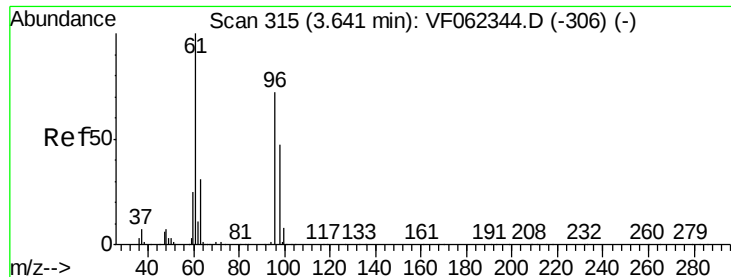
Tgt Ion: 77 Resp: 120584

Ion Ratio Lower Upper

77 100

97 18.1 9.5 28.5



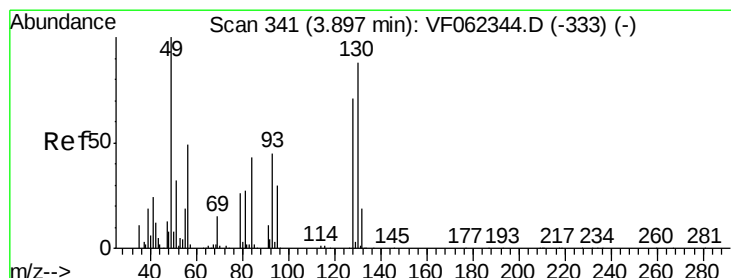
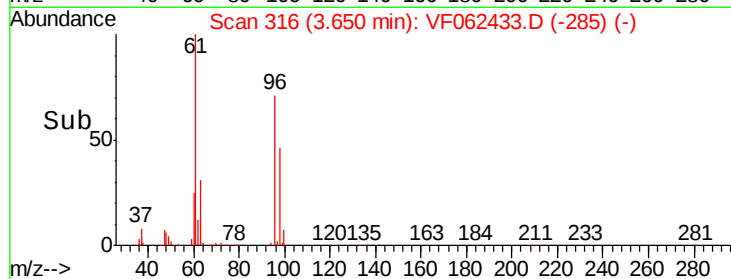
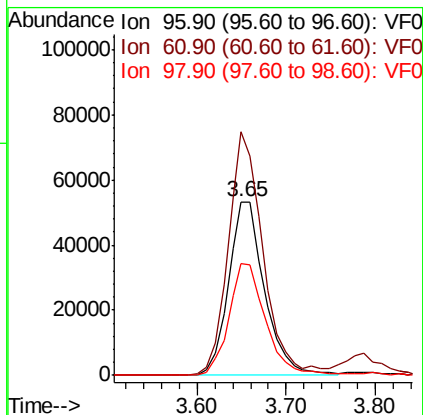
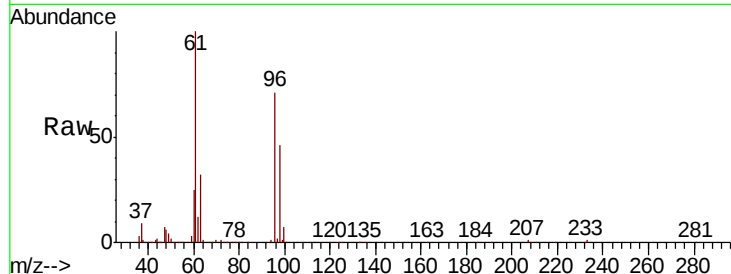


#27

cis-1,2-Dichloroethene
Concen: 53.276 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

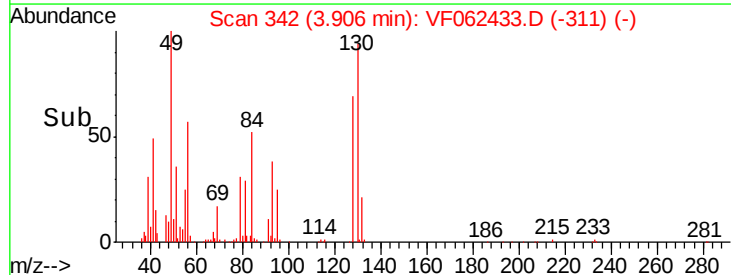
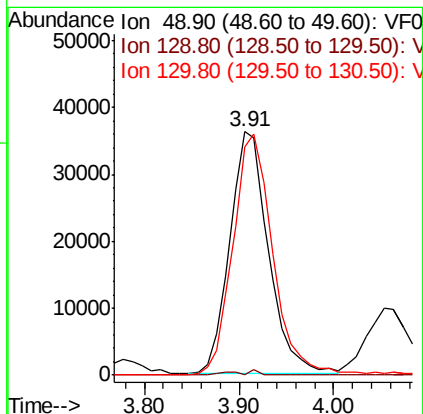
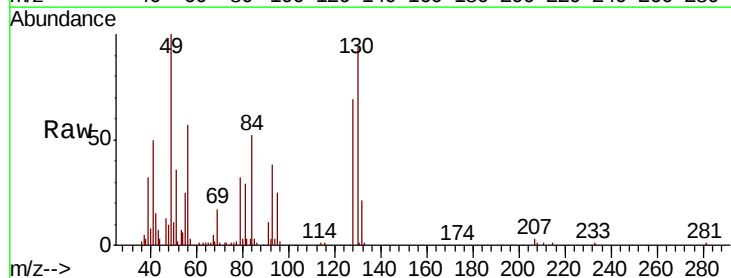
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	263.0
98	65.0	0.0	130.8

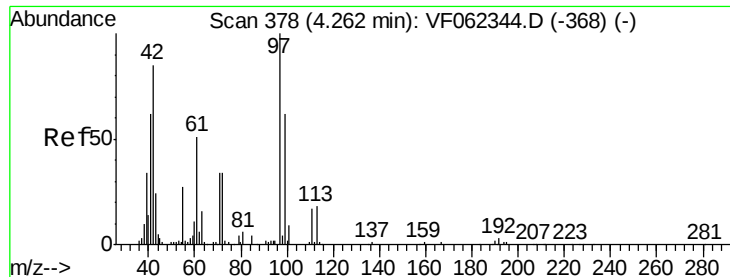


#28

Bromochloromethane
Concen: 57.253 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.2
130	103.3	79.4	119.0





#29

Tetrahydrofuran

Concen: 221.594 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

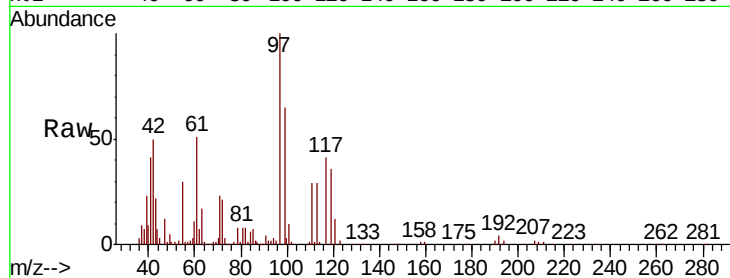
Tot Ion: 42 Resp: 75904

Ion Ratio Lower Upper

42 100

72 37.6 31.4 47.0

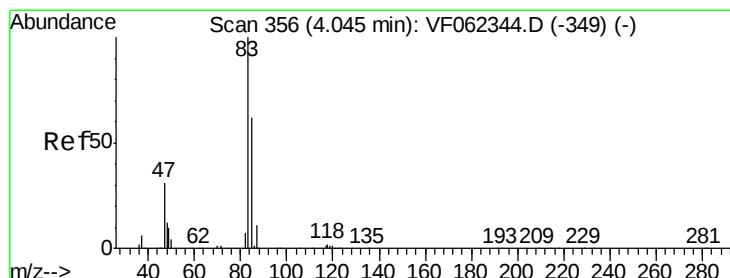
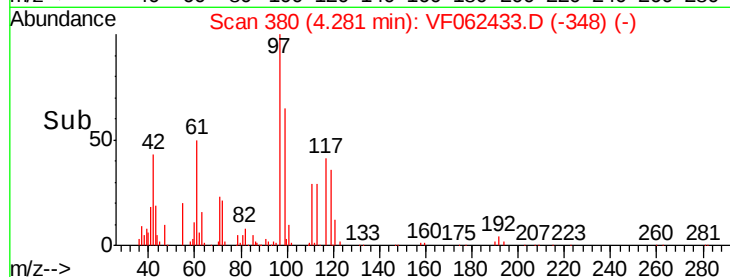
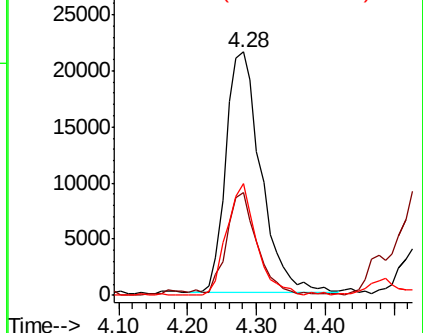
71 39.3 31.7 47.5



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: 55.860 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF062433.D

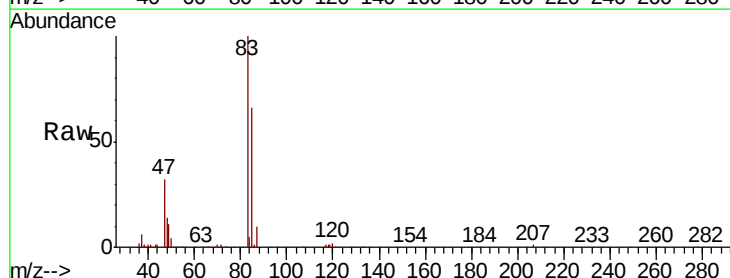
Acq: 10 May 2019 21:11

Tgt Ion: 83 Resp: 299590

Ion Ratio Lower Upper

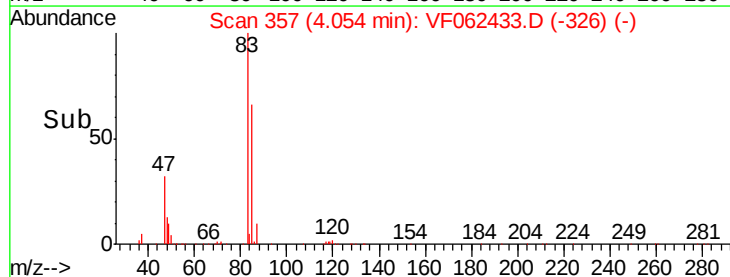
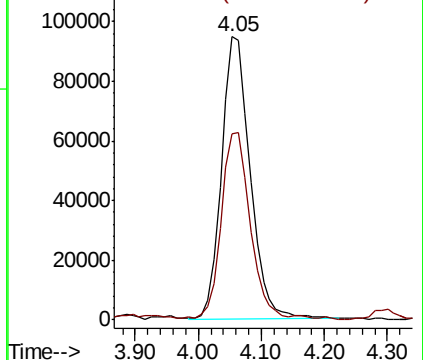
83 100

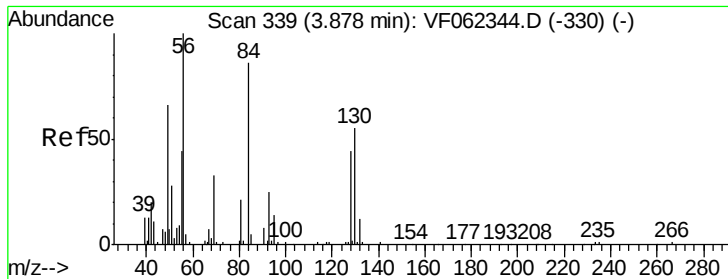
85 65.8 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 49.158 ug/l

RT: 3.88 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

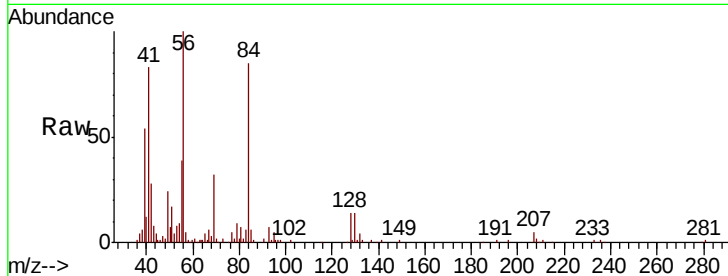
Tot Ion: 56 Resp: 155764

Ion Ratio Lower Upper

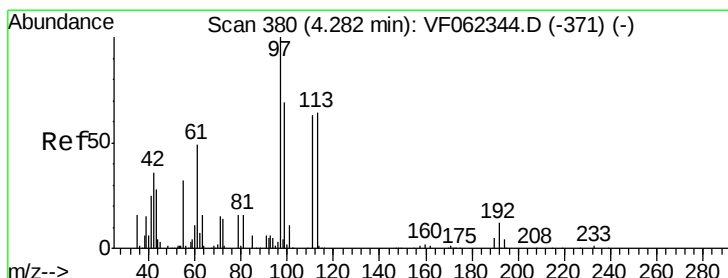
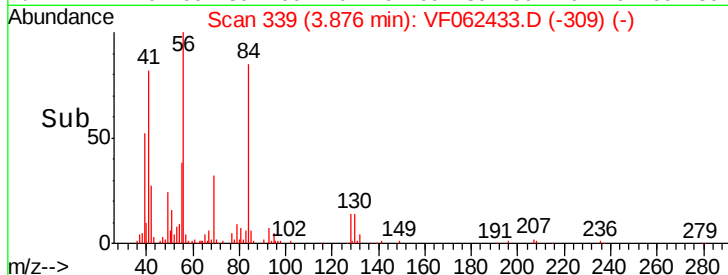
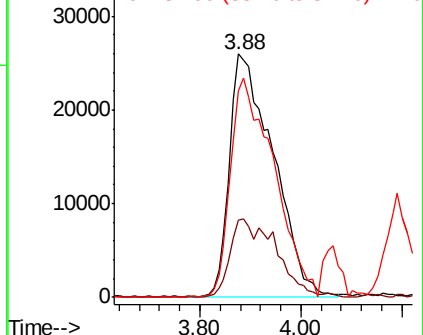
56 100

69 31.5 26.4 39.6

84 85.1 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: 56.382 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

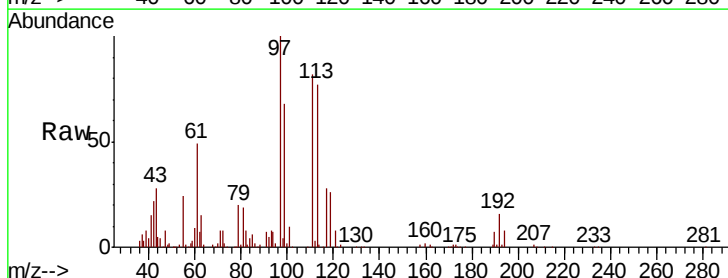
Tgt Ion: 97 Resp: 259167

Ion Ratio Lower Upper

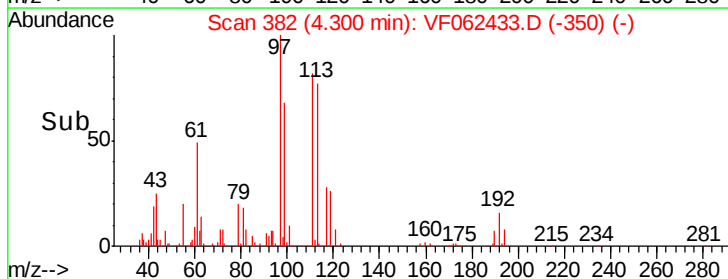
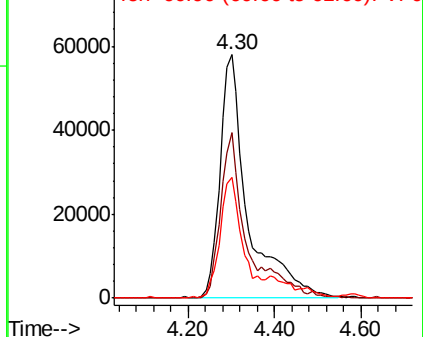
97 100

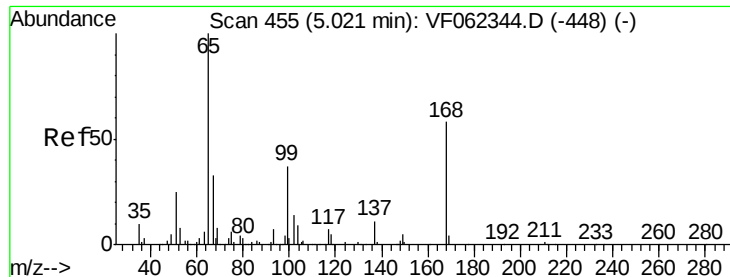
99 64.7 52.6 78.8

61 40.9 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

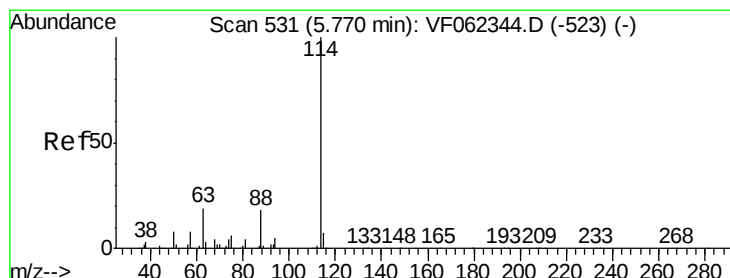
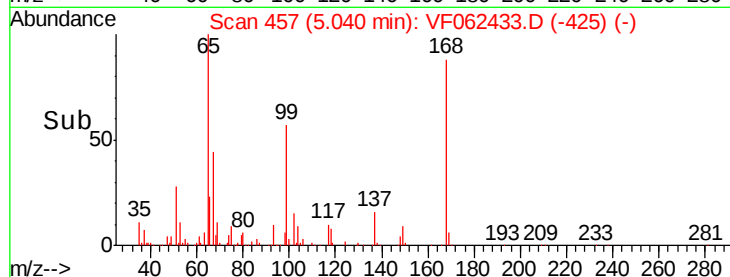
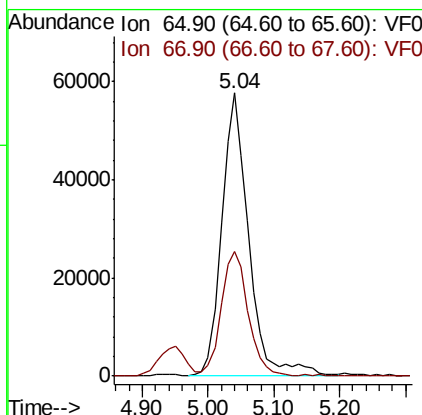
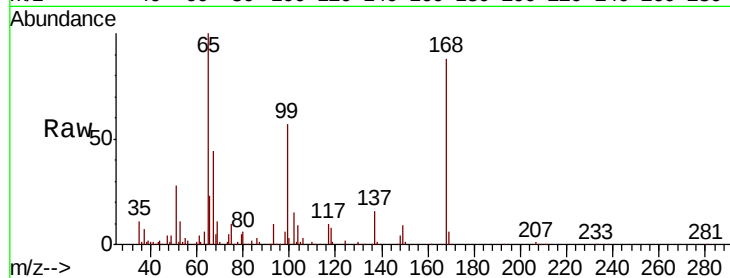




#33
 1,2-Dichloroethane-d4
 Concen: 55.274 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

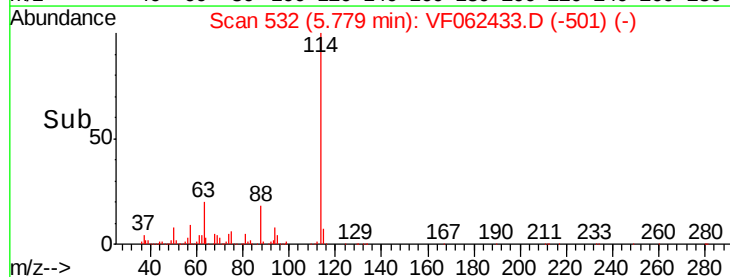
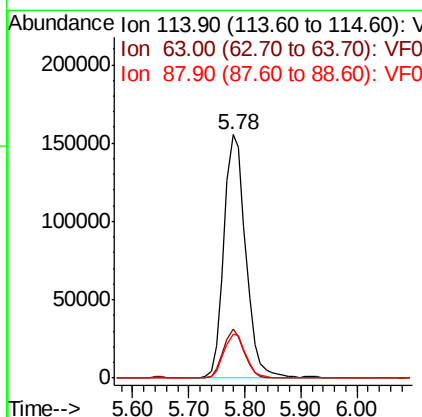
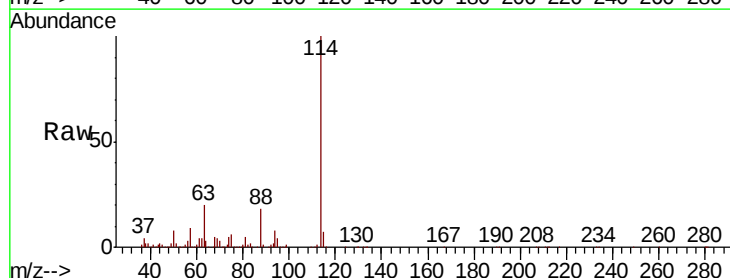
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

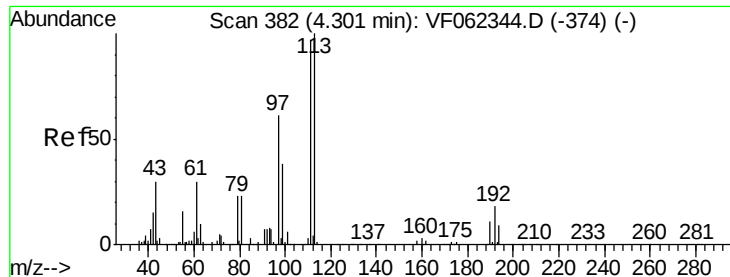
Tot Ion: 65 Resp: 162096
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion: 114 Resp: 424790
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.4
 88 17.8 0.0 36.4

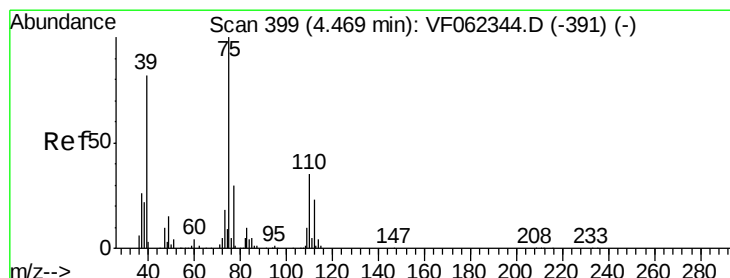
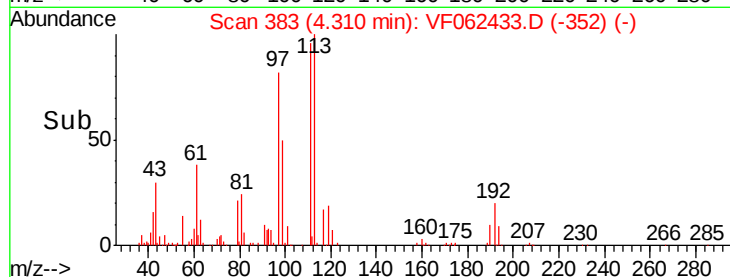
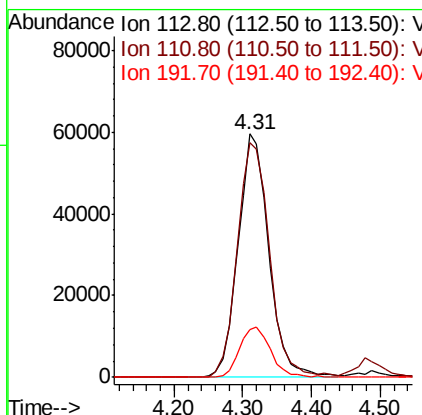
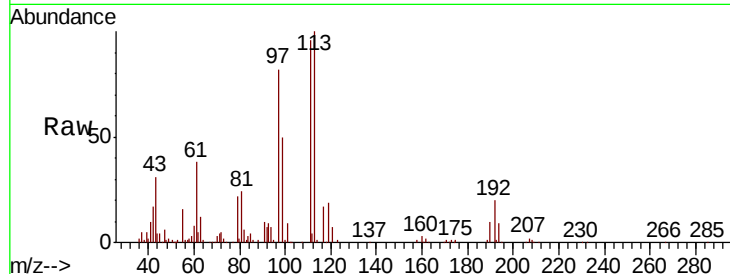




#35
 Dibromofluoromethane
 Concen: 54.463 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

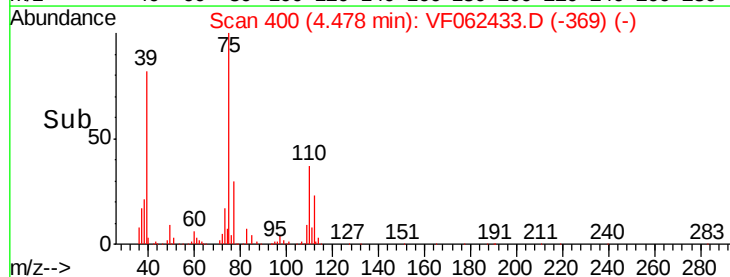
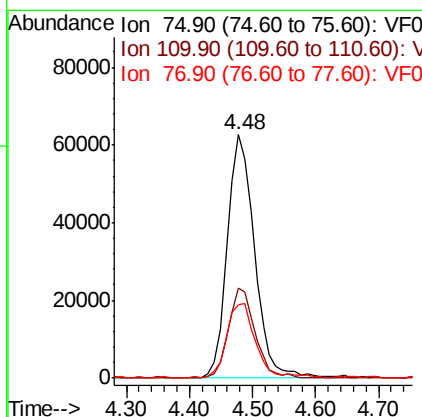
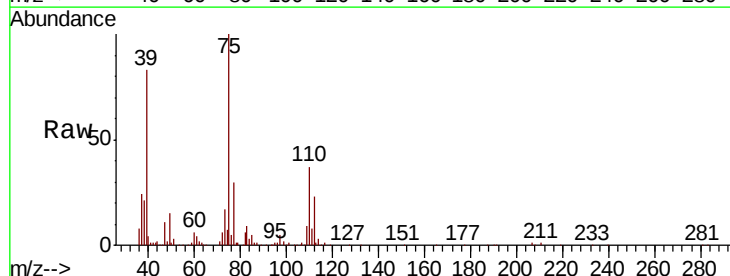
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

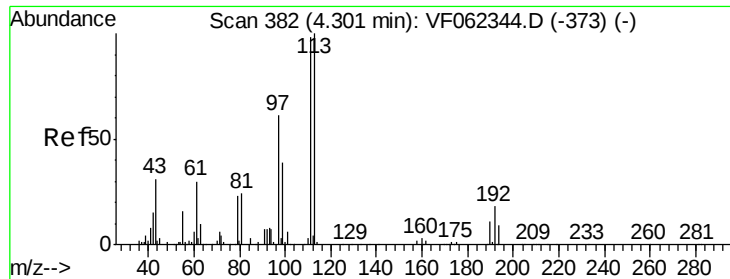
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	79.4	119.0
192	21.2	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 51.332 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.2	51.5
77	32.1	25.2	37.8

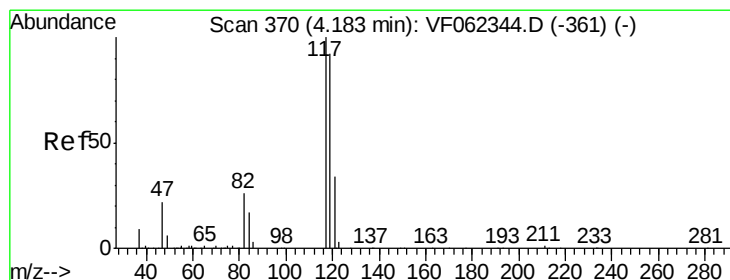
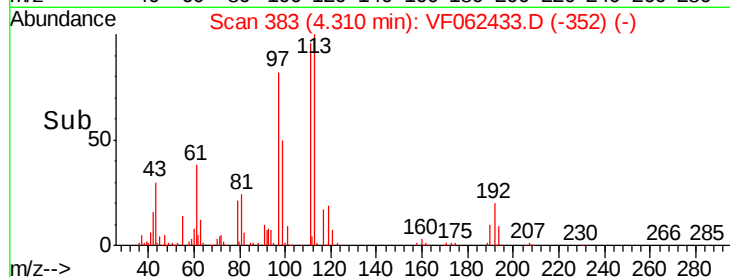
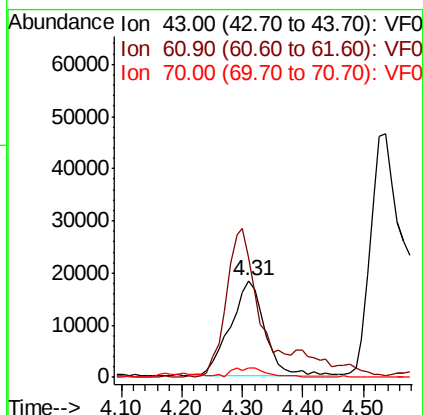
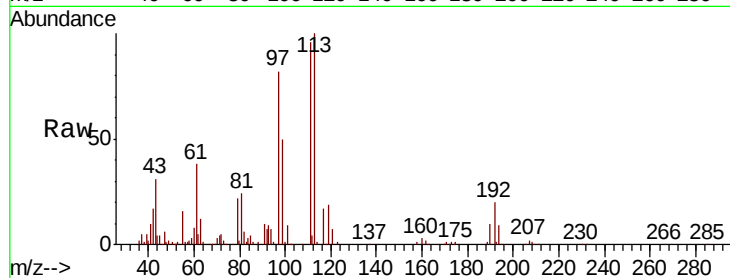




#37
Ethyl Acetate
Concen: 51.351 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

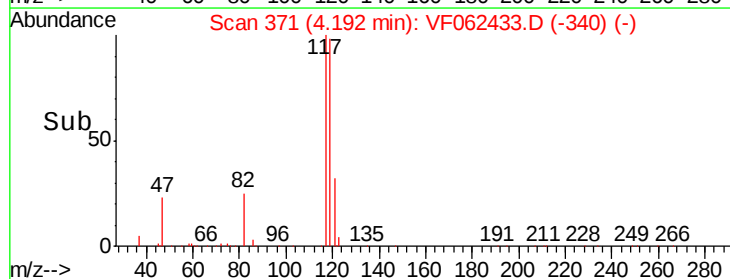
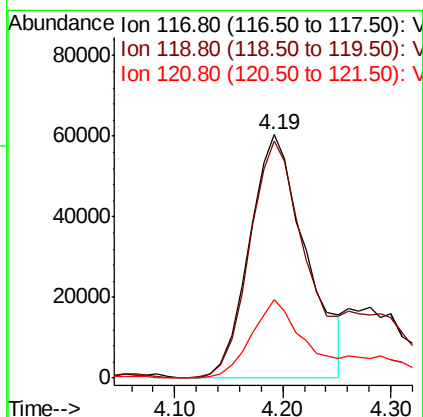
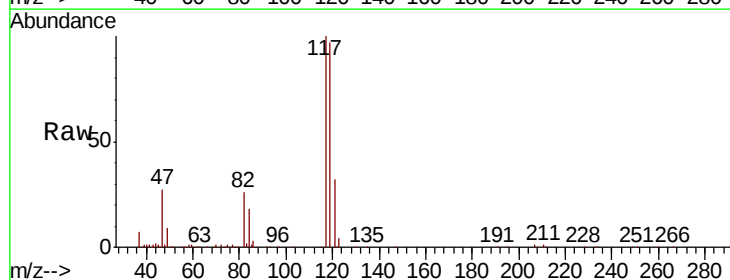
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

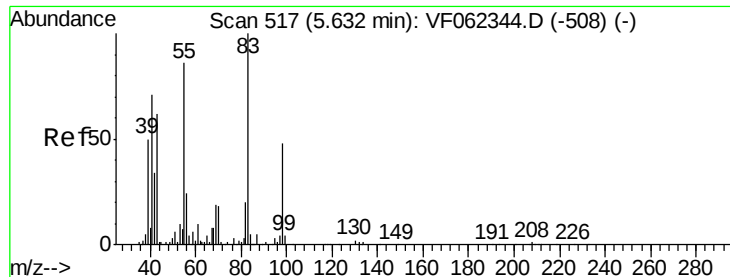
Tot Ion: 43 Resp: 72767
Ion Ratio Lower Upper
43 100
61 145.5 0.0 0.0#
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 58.113 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 117 Resp: 218250
Ion Ratio Lower Upper
117 100
119 97.1 73.4 110.2
121 31.9 27.4 41.0

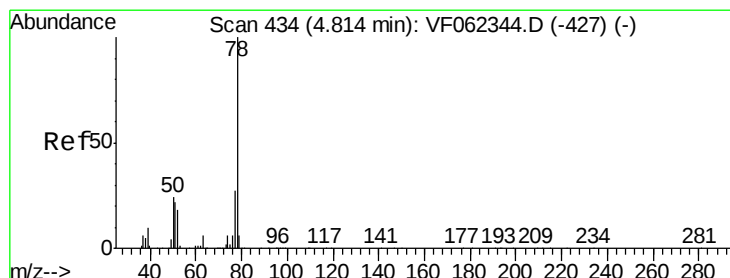
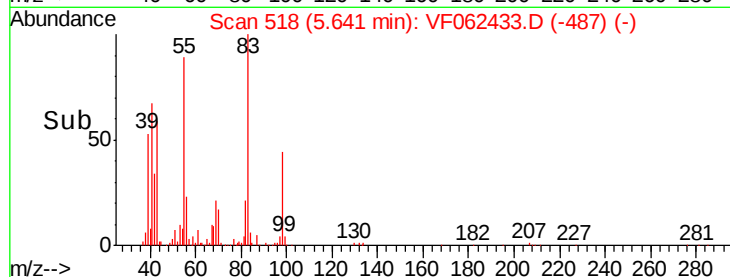
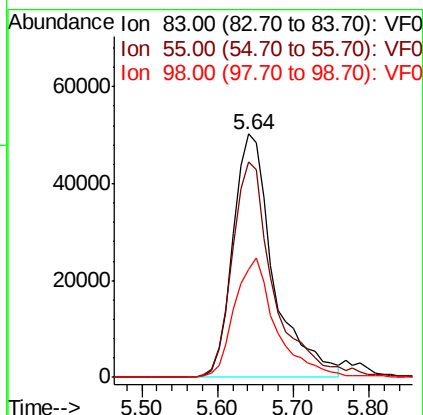
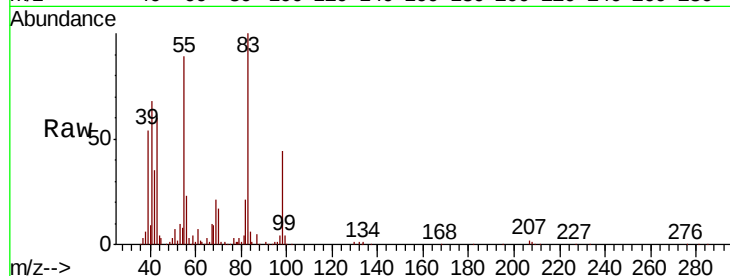




#39
Methylcyclohexane
Concen: 51.080 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

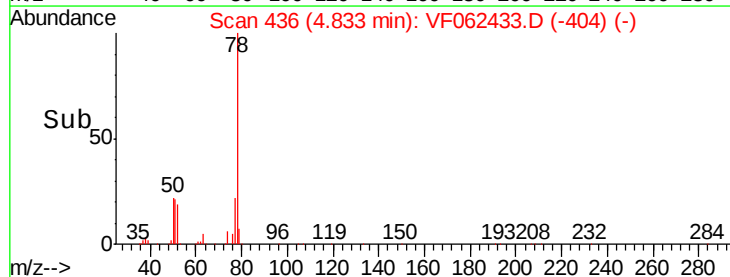
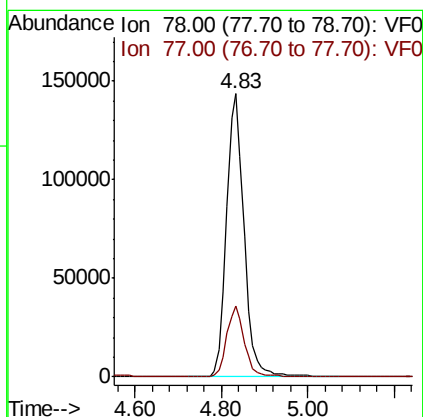
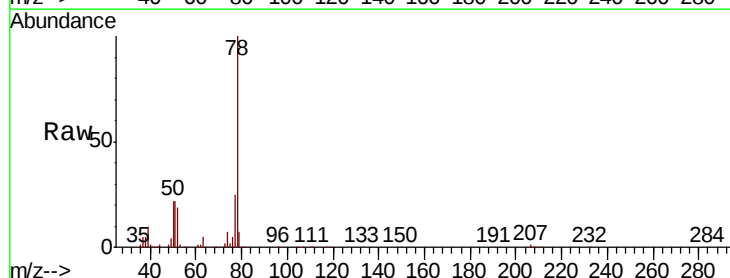
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

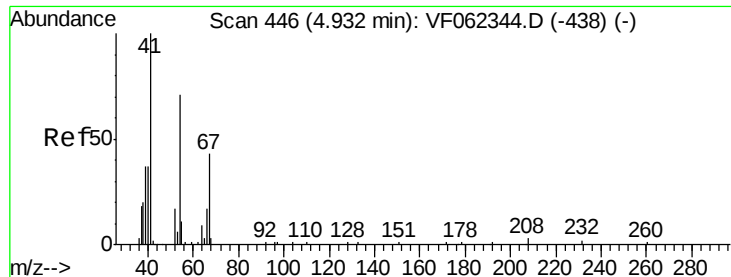
Tot Ion: 83 Resp: 186938
Ion Ratio Lower Upper
83 100
55 88.7 69.0 103.6
98 44.0 38.6 58.0



#40
Benzene
Concen: 50.436 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 78 Resp: 405278
Ion Ratio Lower Upper
78 100
77 25.0 21.6 32.4

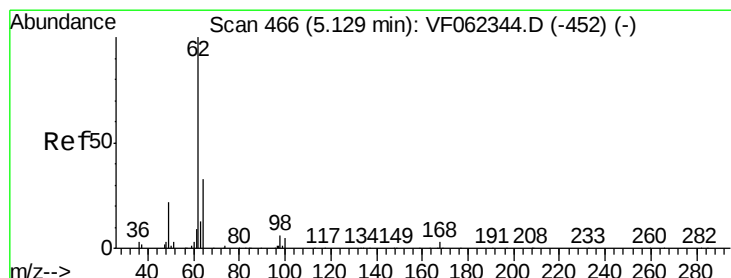
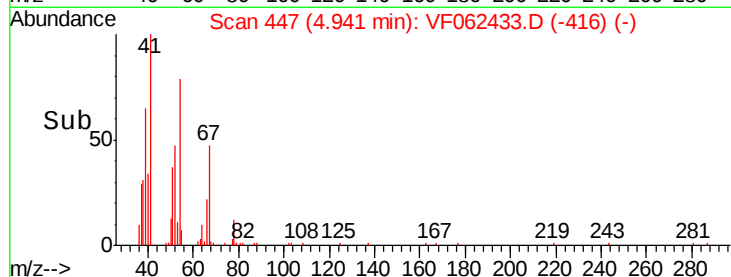
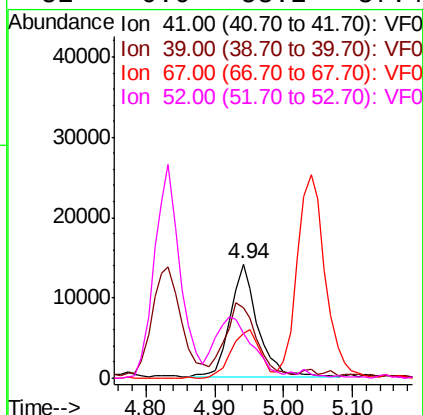
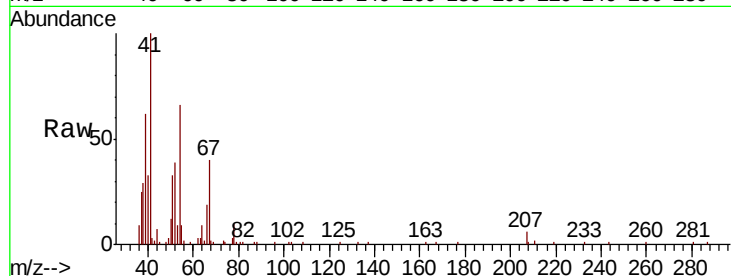




#41
Methacrylonitrile
Concen: 43.987 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

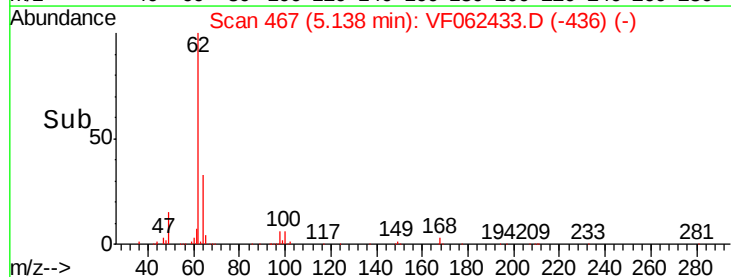
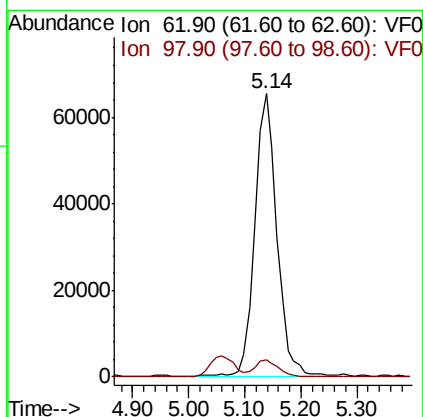
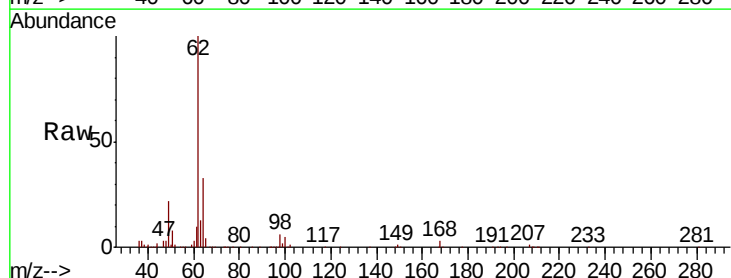
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

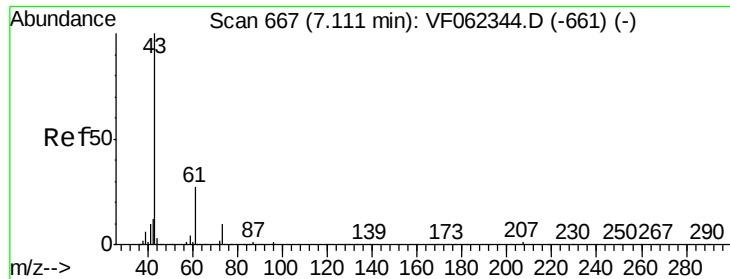
Tot Ion:	41	Resp:	38488
Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	46.2	37.8	56.8
52	0.0	58.2	87.4#



#42
1,2-Dichloroethane
Concen: 53.475 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:	62	Resp:	179715
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	12.4



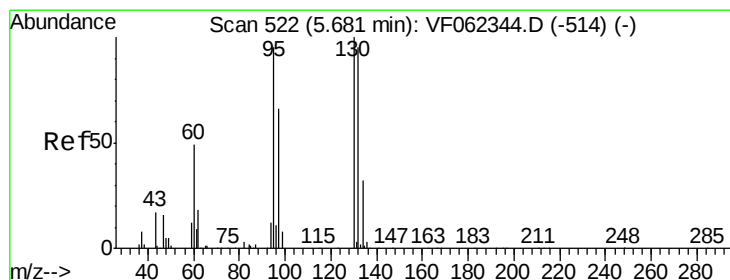
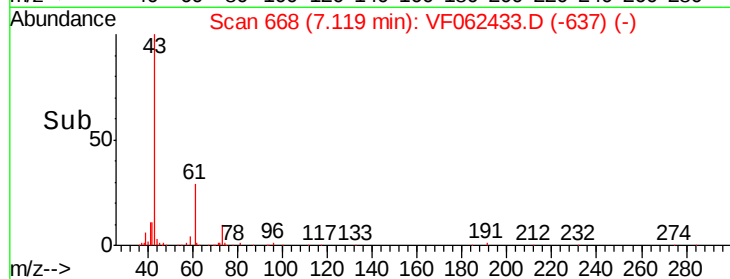
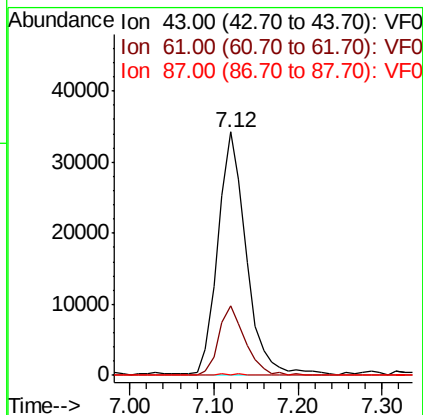
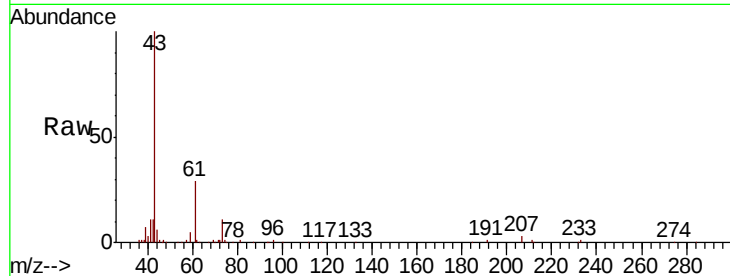


#43

Isopropyl Acetate
 Concen: 47.833 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

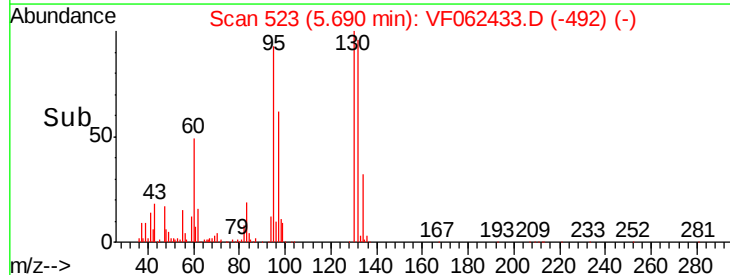
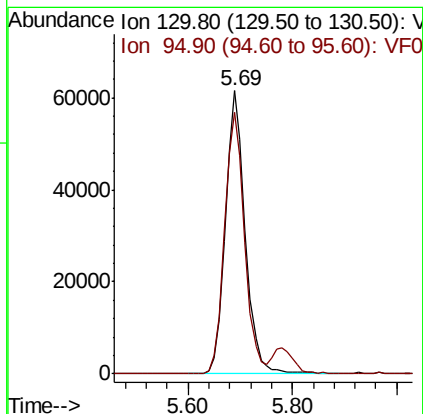
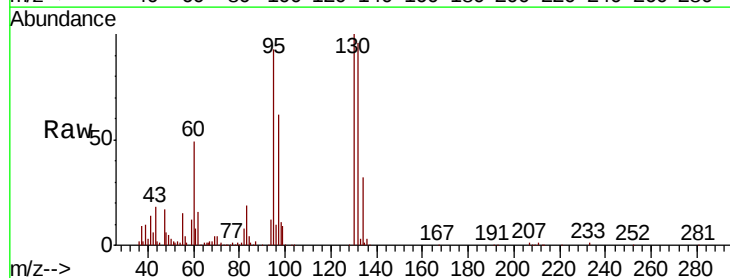
Tot Ion: 43 Resp: 79393
 Ion Ratio Lower Upper
 43 100
 61 27.0 22.8 34.2
 87 0.4 0.6 1.0#

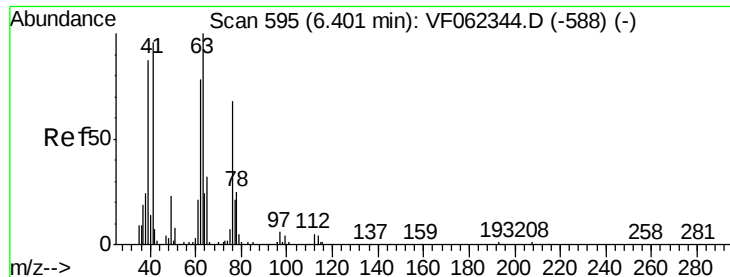


#44

Trichloroethene
 Concen: 54.253 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion:130 Resp: 160147
 Ion Ratio Lower Upper
 130 100
 95 92.6 0.0 189.0





#45

1,2-Dichloropropane

Concen: 52.558 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

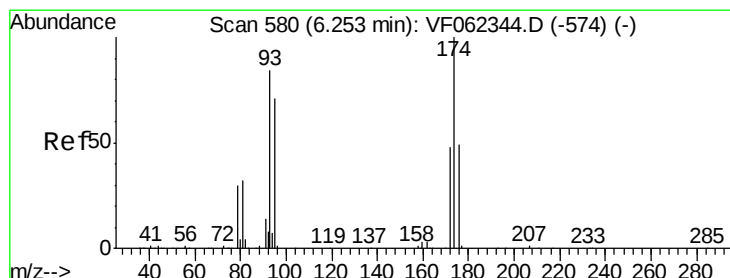
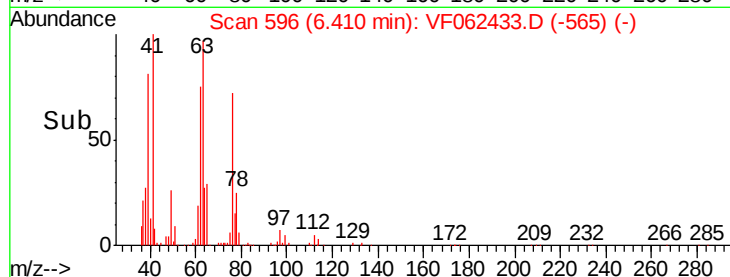
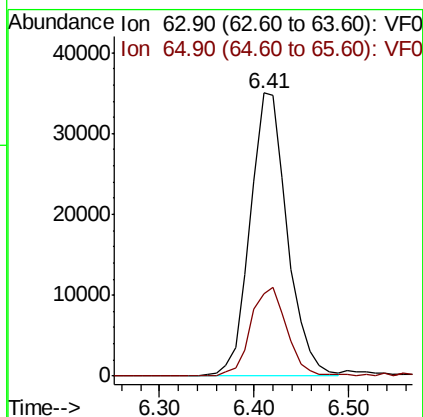
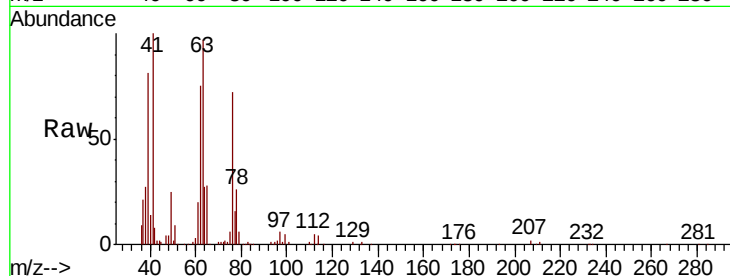
VSTDCCC050

Tot Ion: 63 Resp: 95660

Ion Ratio Lower Upper

63 100

65 29.3 25.6 38.4



#46

Dibromomethane

Concen: 54.106 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

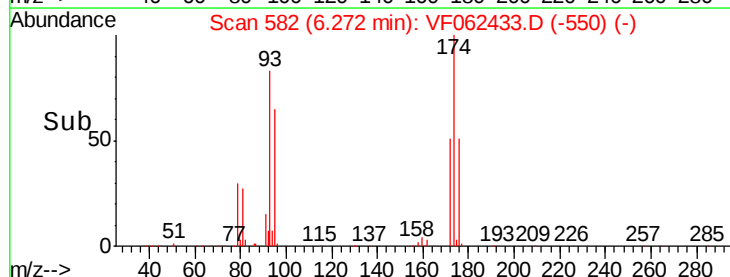
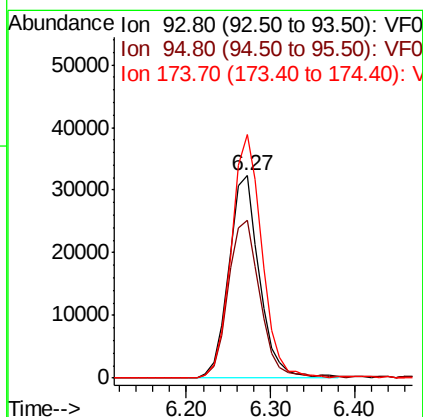
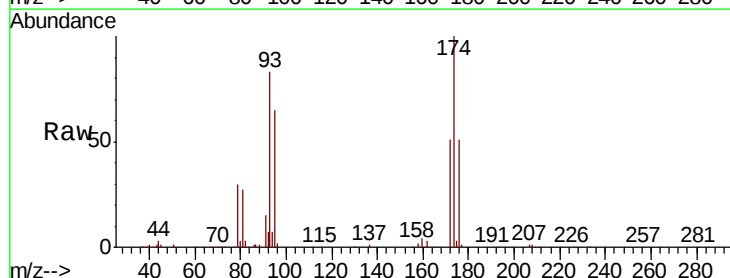
Tgt Ion: 93 Resp: 81650

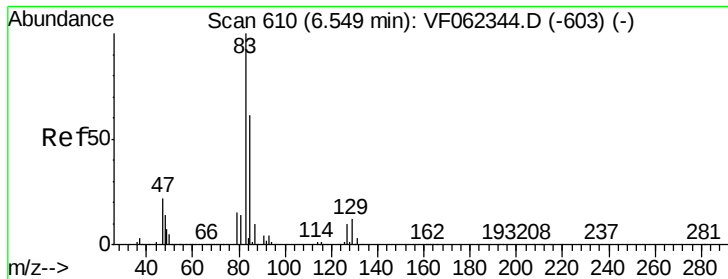
Ion Ratio Lower Upper

93 100

95 81.6 68.4 102.6

174 120.4 99.6 149.4





#47

Bromodichloromethane

Concen: 55.239 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

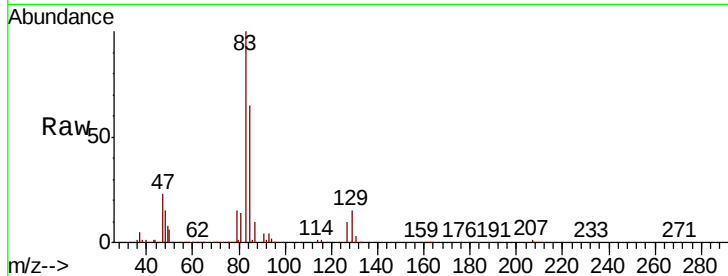
Tot Ion: 83 Resp: 208410

Ion Ratio Lower Upper

83 100

85 65.2 49.1 73.7

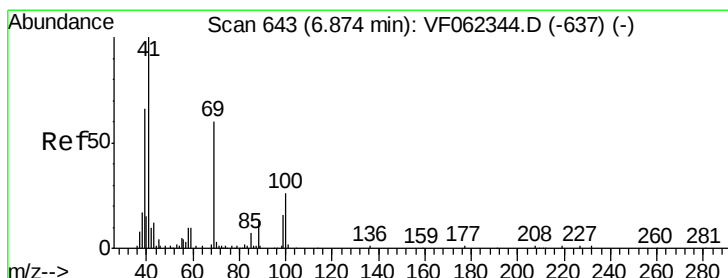
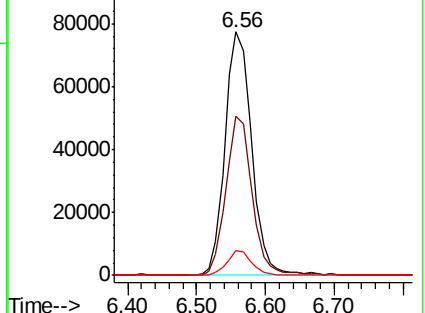
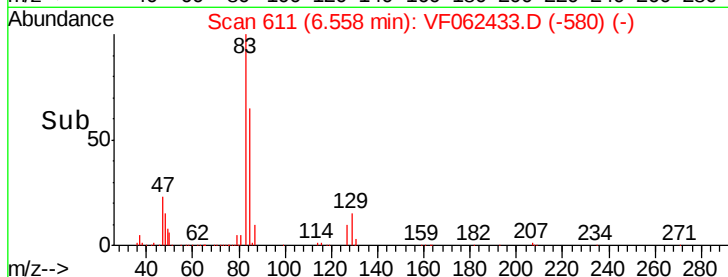
127 10.3 7.8 11.8



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: 49.490 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

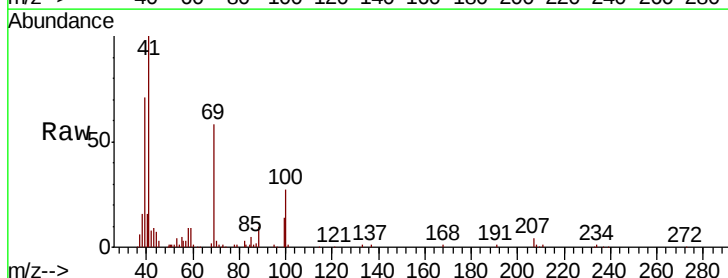
Tgt Ion: 41 Resp: 58050

Ion Ratio Lower Upper

41 100

69 61.3 48.6 72.8

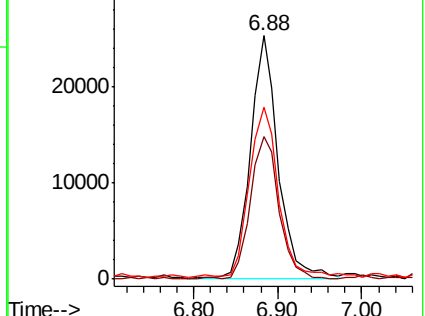
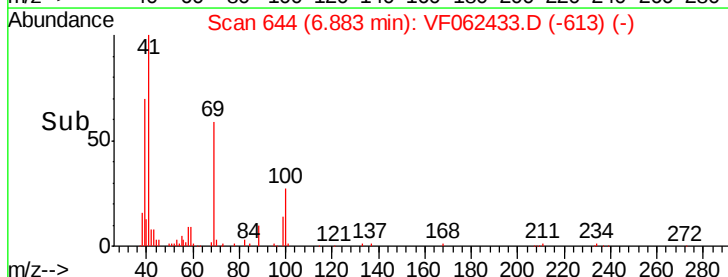
39 73.9 56.1 84.1

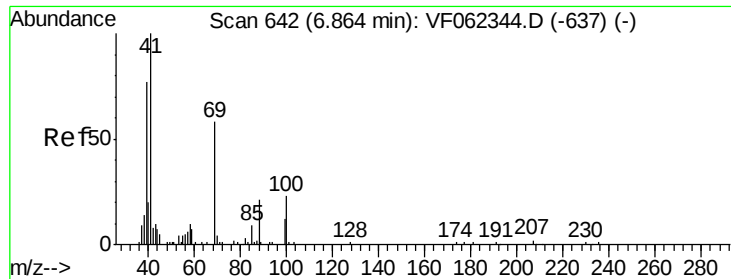


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

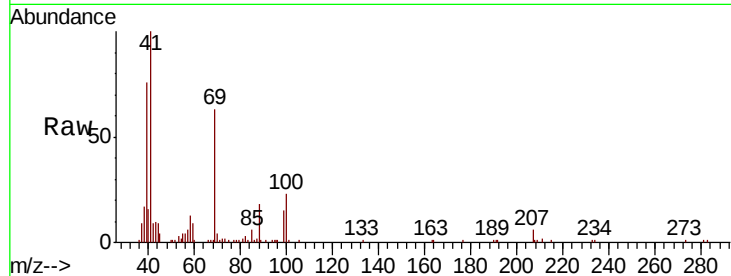




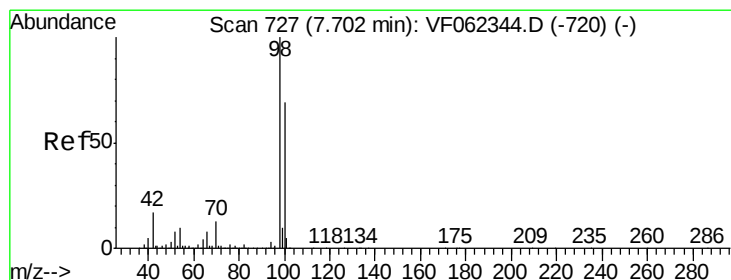
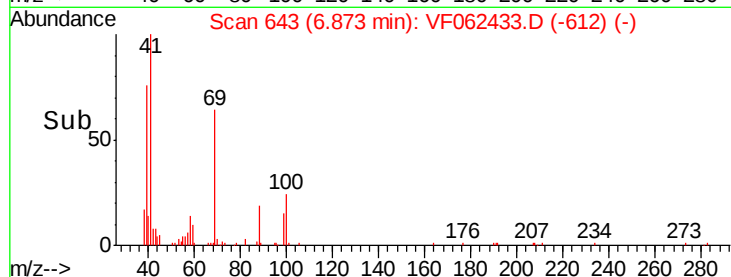
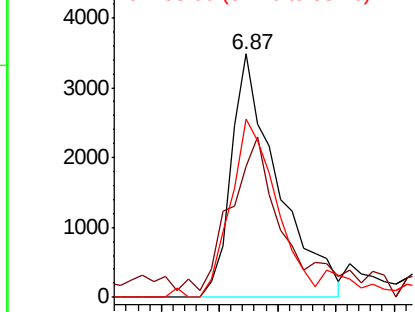
#49
1,4-Dioxane
Concen: 795.764 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 9632
Ion Ratio Lower Upper
88 100
43 83.7 55.6 83.4#
58 71.9 52.8 79.2

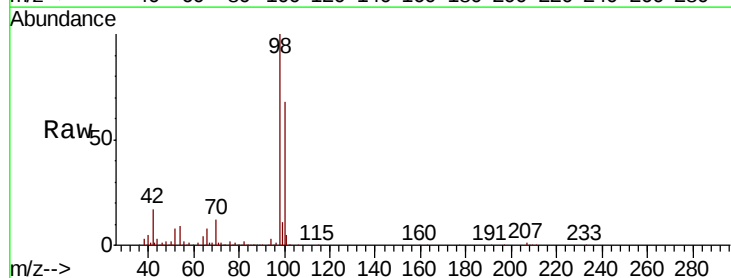


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

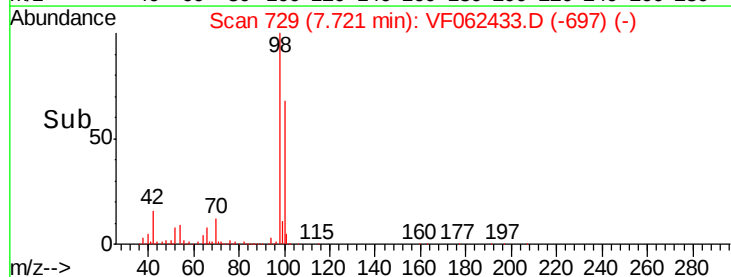
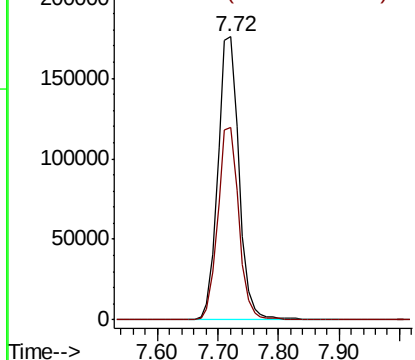


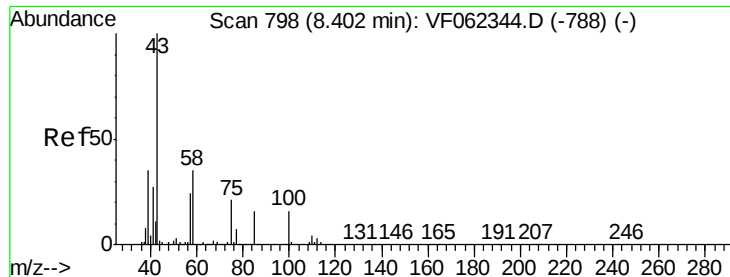
#50
Toluene-d8
Concen: 51.917 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 98 Resp: 425306
Ion Ratio Lower Upper
98 100
100 67.4 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: 249.507 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

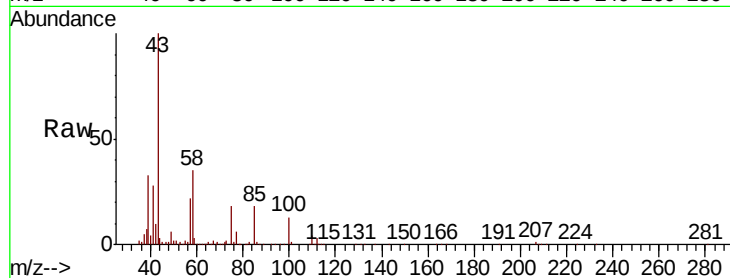
VSTDCCC050

Tot Ion: 43 Resp: 313804

Ion Ratio Lower Upper

43 100

58 33.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

150000

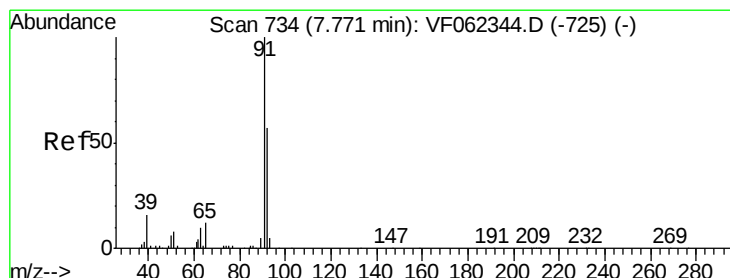
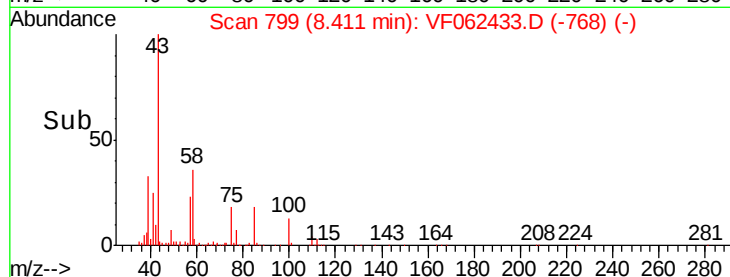
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 50.864 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062433.D

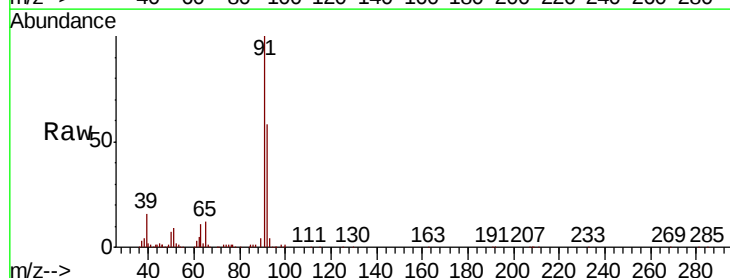
Acq: 10 May 2019 21:11

Tgt Ion: 92 Resp: 252142

Ion Ratio Lower Upper

92 100

91 169.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

200000

150000

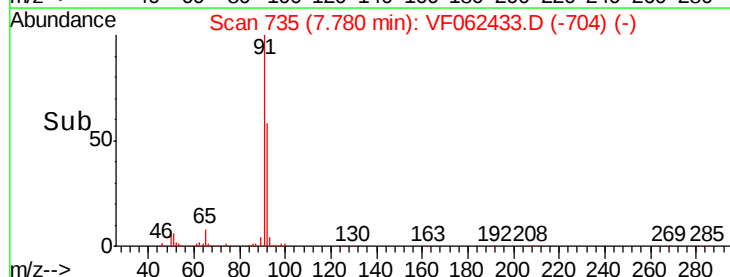
100000

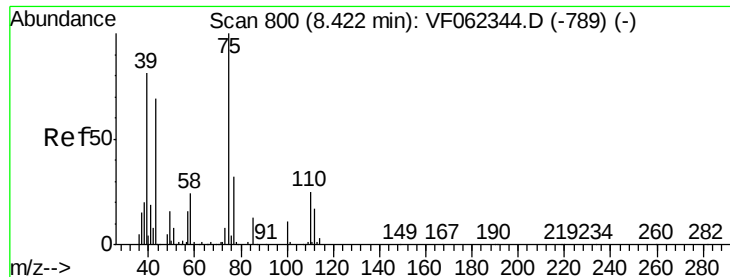
50000

0

Time-->

7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 50.577 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

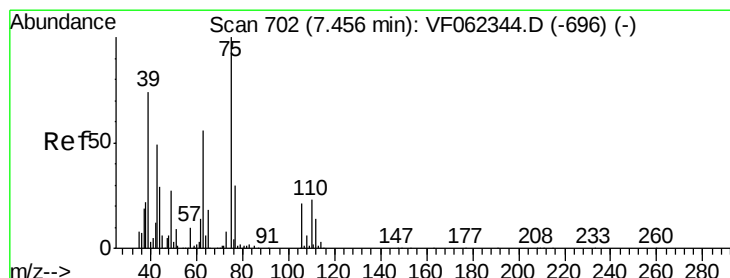
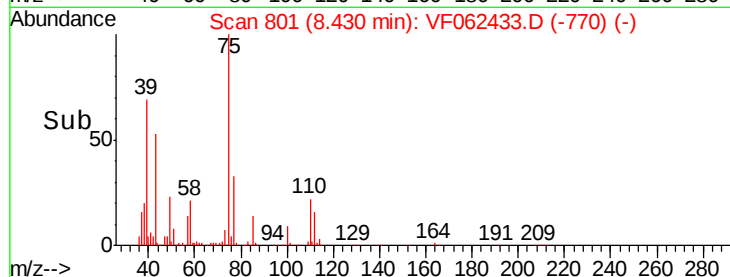
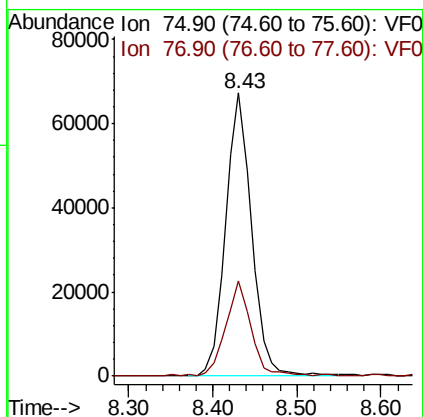
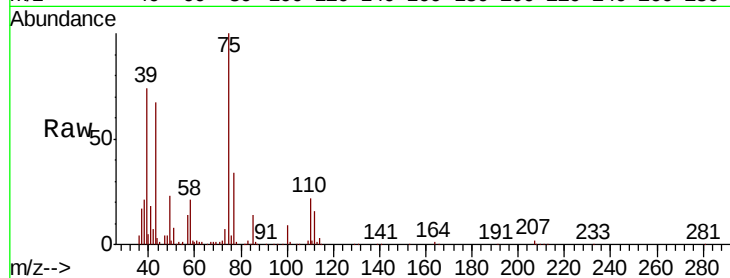
VSTDCCC050

Tot Ion: 75 Resp: 144324

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 51.814 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

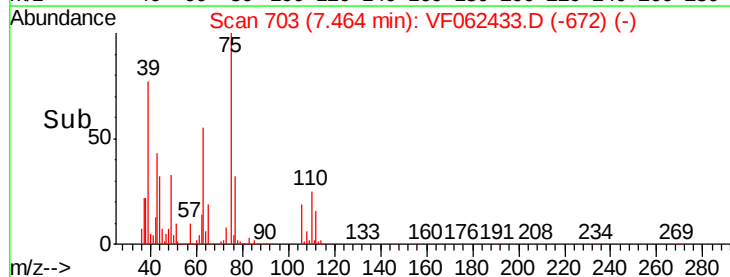
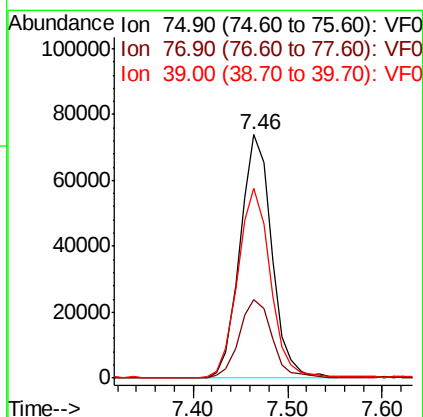
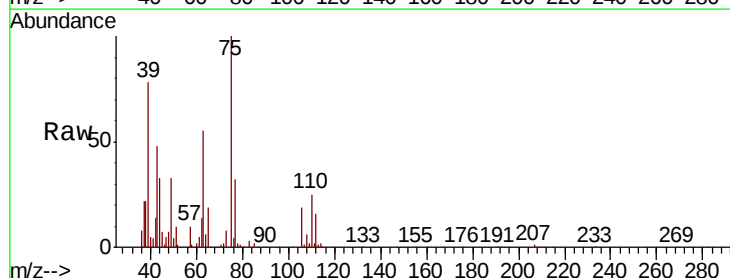
Tgt Ion: 75 Resp: 172078

Ion Ratio Lower Upper

75 100

77 32.2 24.0 36.0

39 77.4 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 53.708 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 84519

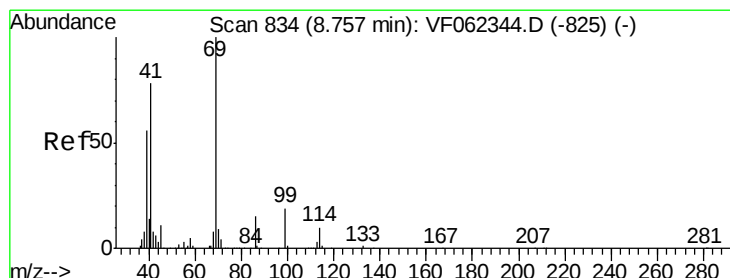
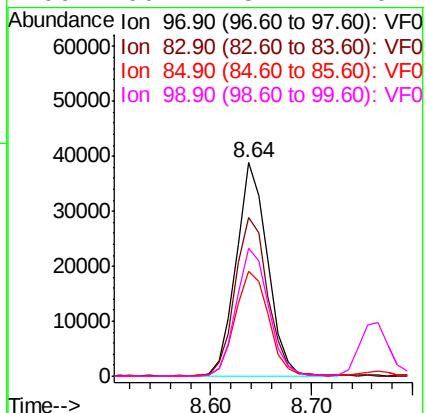
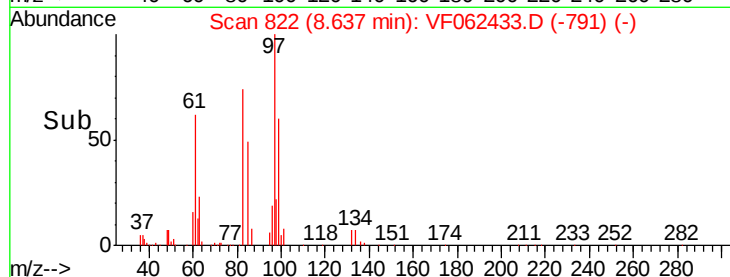
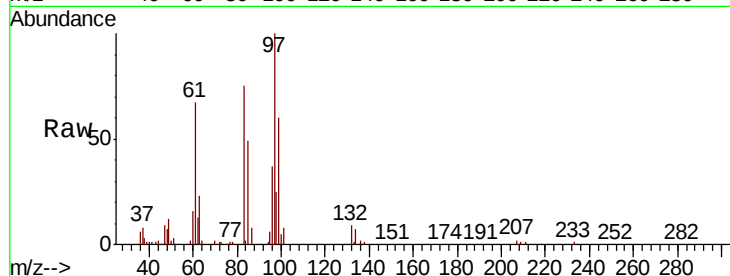
Ion Ratio Lower Upper

97 100

83 74.2 68.5 102.7

85 49.4 45.4 68.2

99 60.1 52.7 79.1



#56

Ethyl methacrylate

Concen: 50.463 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

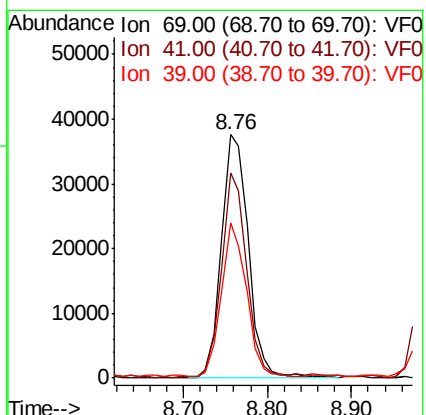
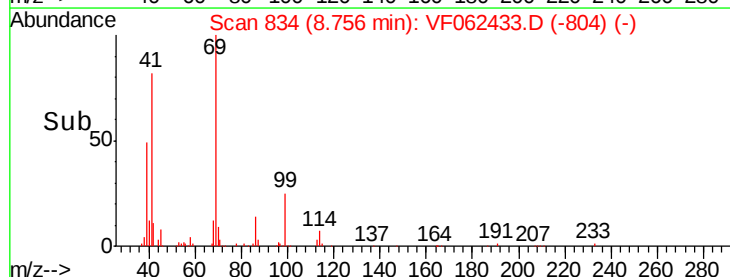
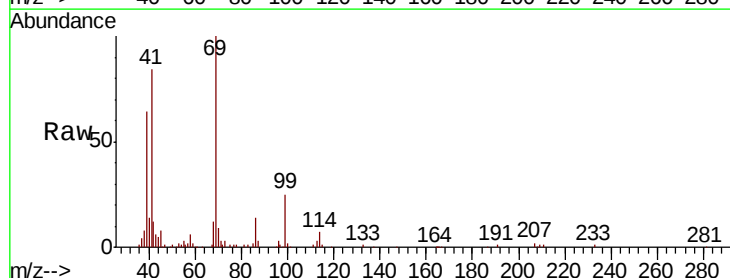
Tgt Ion: 69 Resp: 83827

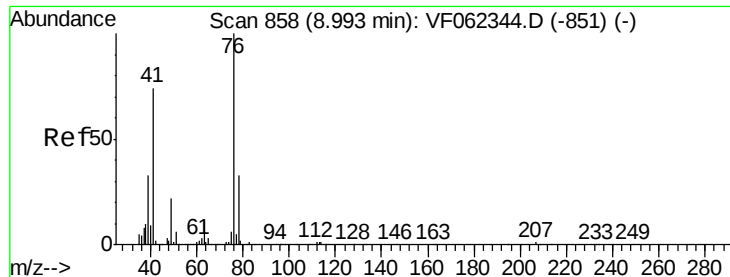
Ion Ratio Lower Upper

69 100

41 79.2 66.3 99.5

39 58.0 50.1 75.1





#57

1,3-Dichloropropane

Concen: 53.109 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

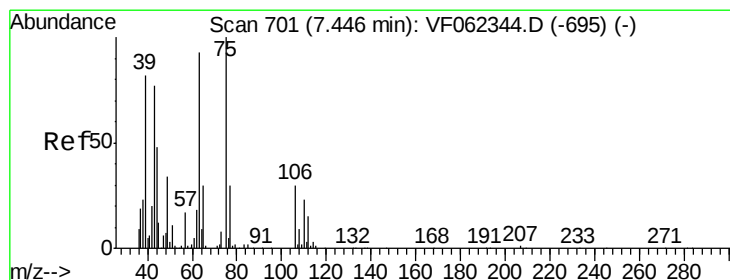
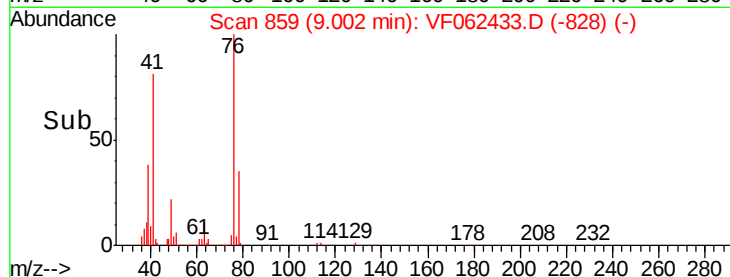
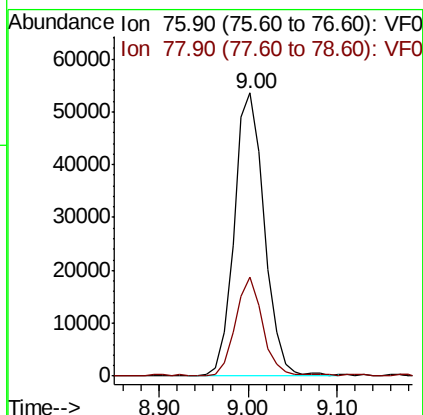
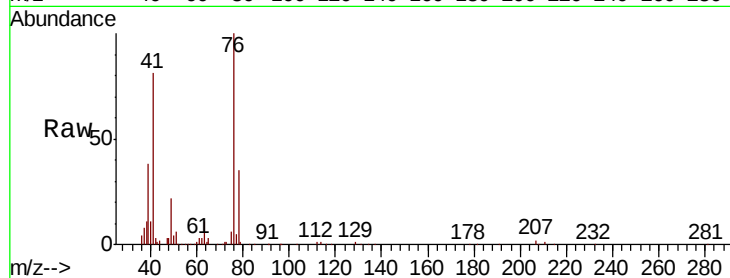
VSTDCCC050

Tot Ion: 76 Resp: 126242

Ion Ratio Lower Upper

76 100

78 31.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 223.185 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062433.D

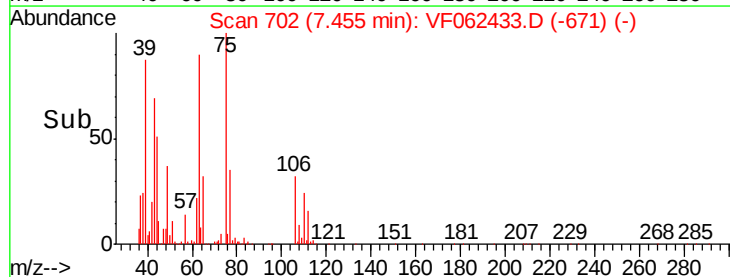
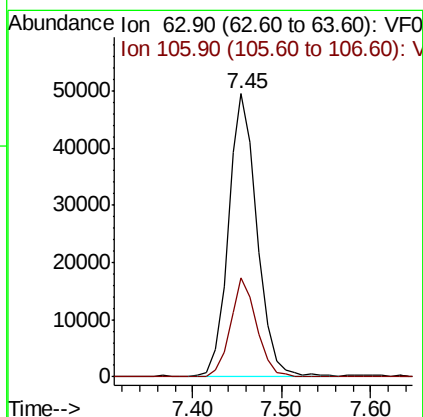
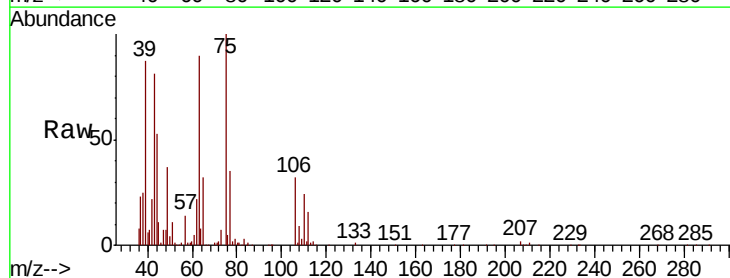
Acq: 10 May 2019 21:11

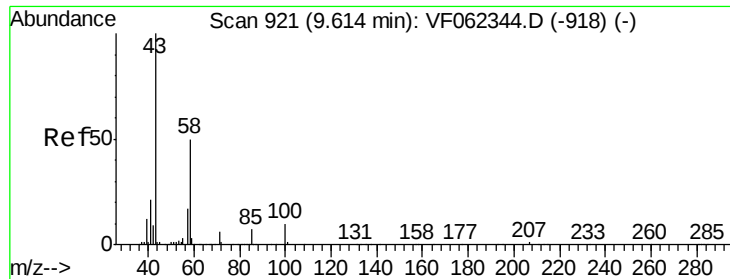
Tgt Ion: 63 Resp: 111463

Ion Ratio Lower Upper

63 100

106 32.0 25.8 38.8

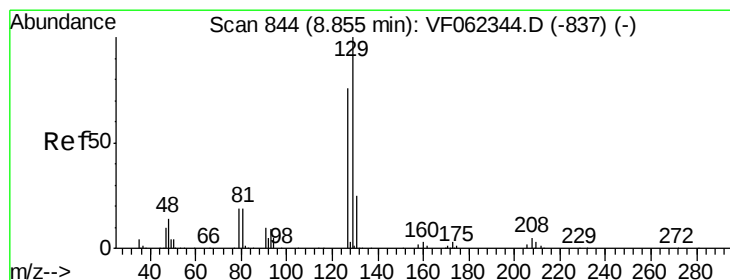
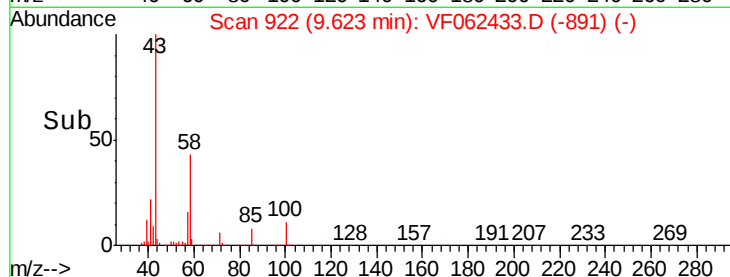
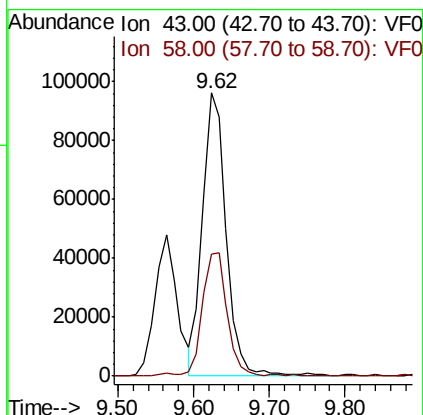
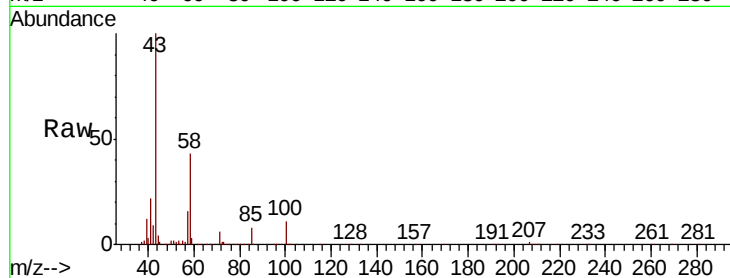




#59
2-Hexanone
Concen: 240.624 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

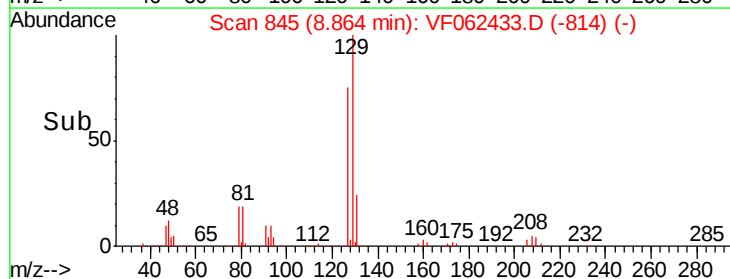
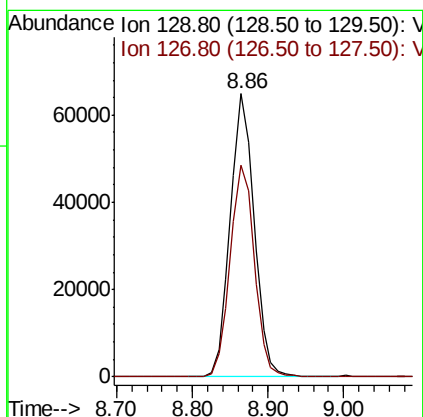
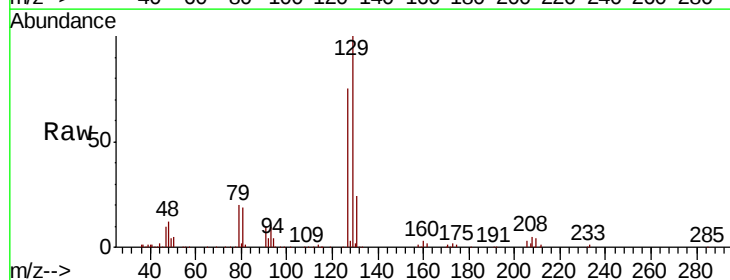
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

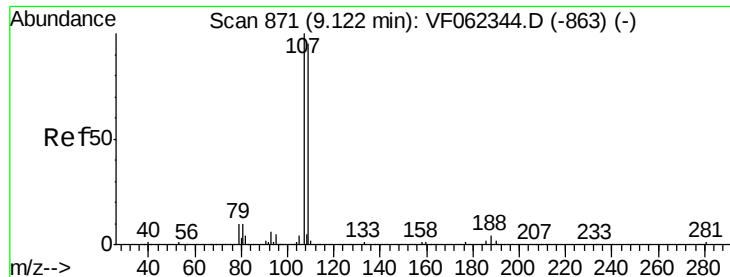
Tot Ion: 43 Resp: 209301
Ion Ratio Lower Upper
43 100
58 46.8 24.3 73.0



#60
Dibromochloromethane
Concen: 55.322 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 129 Resp: 142387
Ion Ratio Lower Upper
129 100
127 75.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.869 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

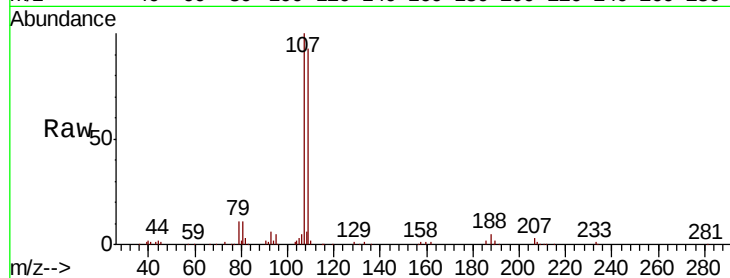
VSTDCCC050

Tot Ion:107 Resp: 95934

Ion Ratio Lower Upper

107 100

109 95.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.14

40000

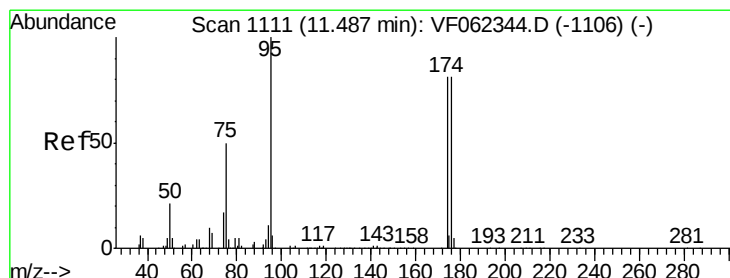
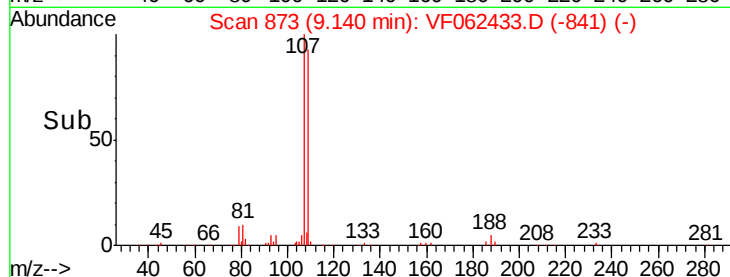
30000

20000

10000

0

Time--> 9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 50.874 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

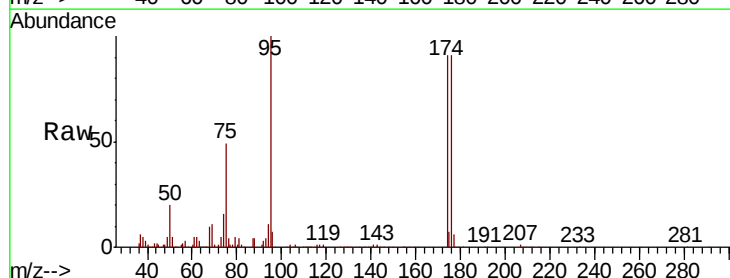
Tgt Ion: 95 Resp: 188029

Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.8

176 95.9 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

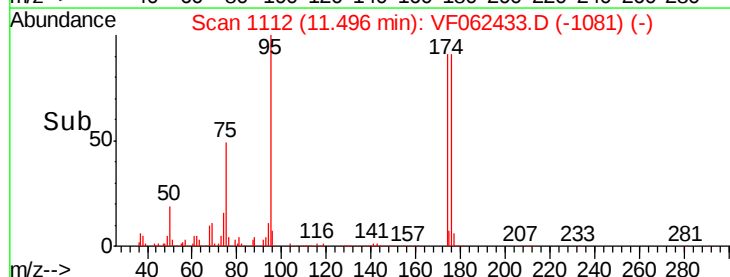
150000

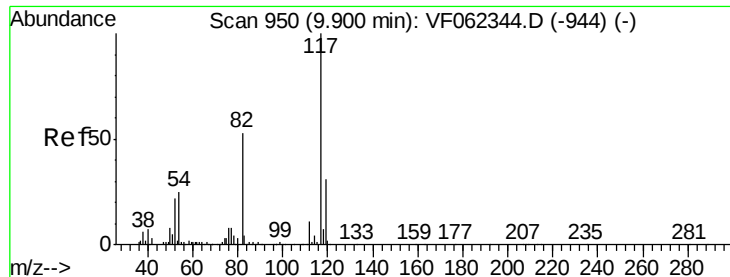
100000

50000

0

Time--> 11.40 11.50 11.60





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

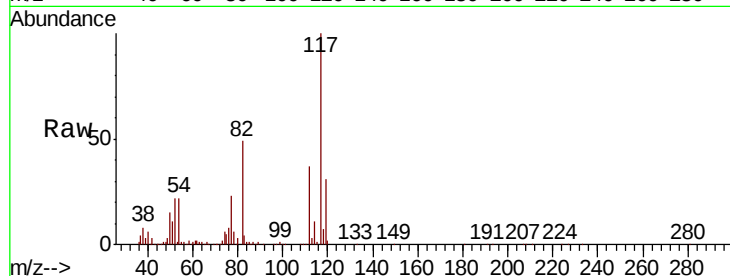
Tot Ion:117 Resp: 361179

Ion Ratio Lower Upper

117 100

82 49.4 42.2 63.2

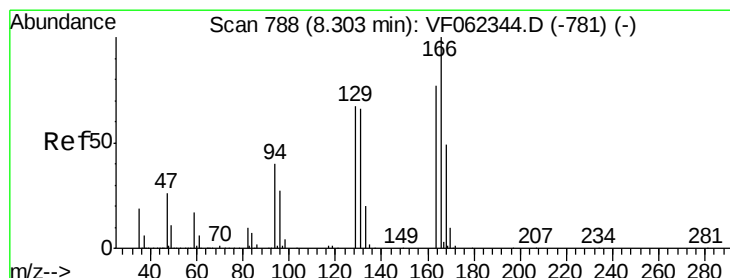
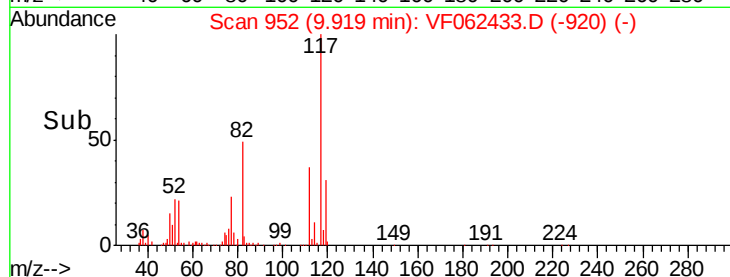
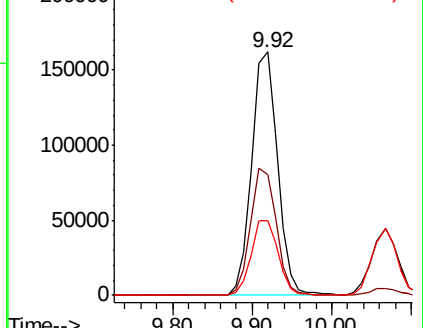
119 30.6 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.710 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion:164 Resp: 148689

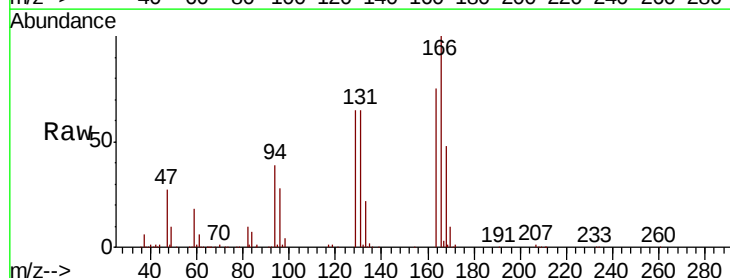
Ion Ratio Lower Upper

164 100

166 132.9 104.2 156.4

129 85.9 69.6 104.4

131 86.2 68.8 103.2

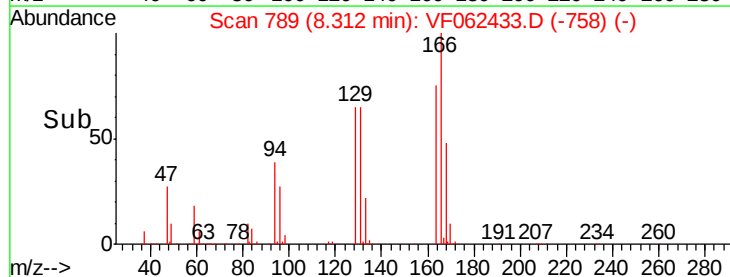
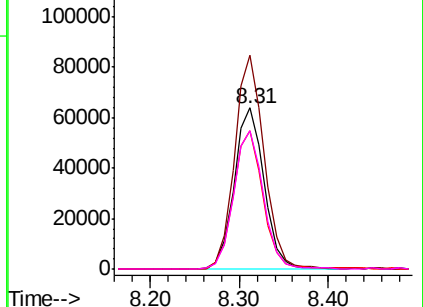


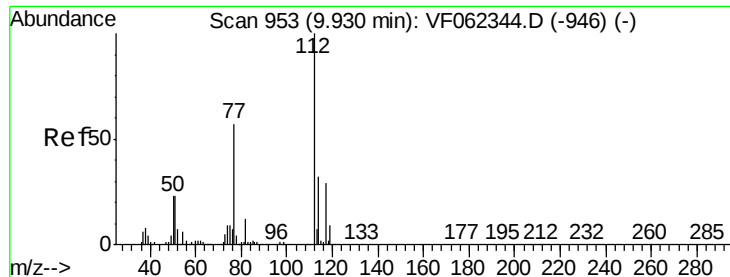
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

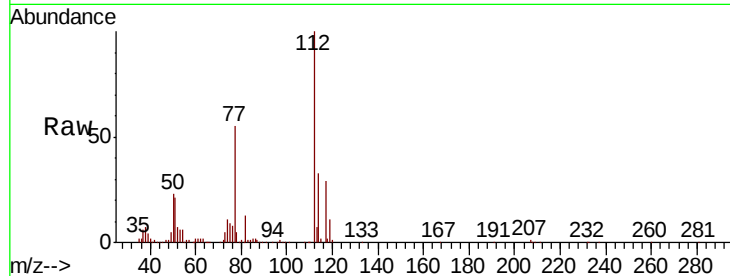




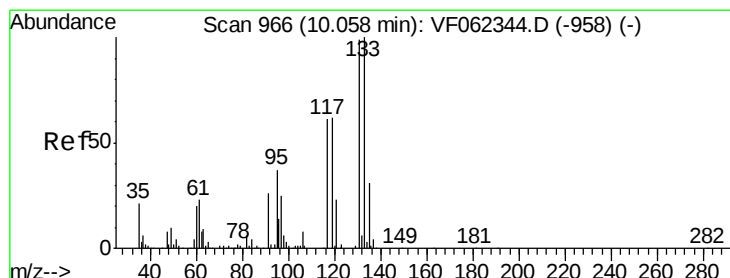
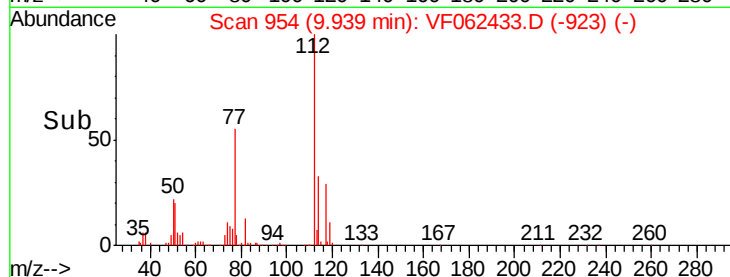
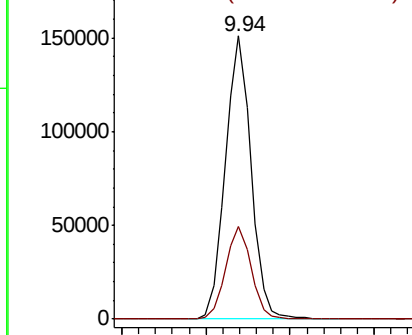
#65
Chlorobenzene
Concen: 53.626 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 320468
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0

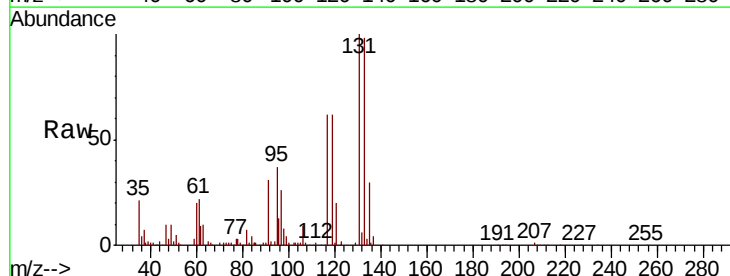


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

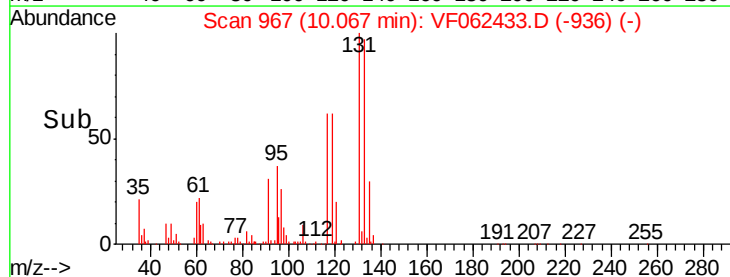
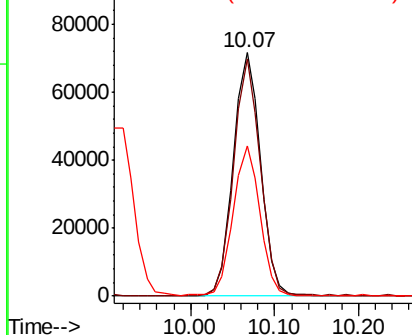


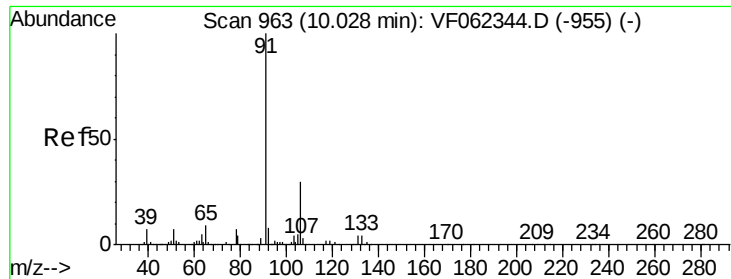
#66
1,1,1,2-Tetrachloroethane
Concen: 53.771 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:131 Resp: 162103
Ion Ratio Lower Upper
131 100
133 96.3 50.2 150.7
119 60.4 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

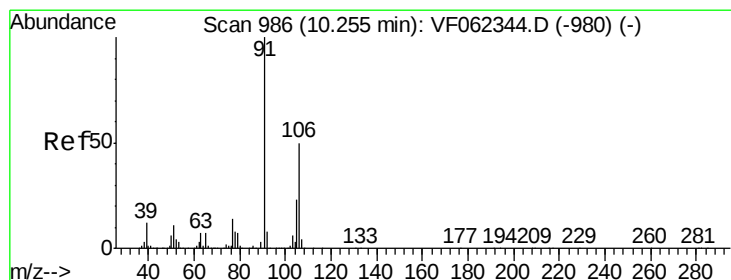
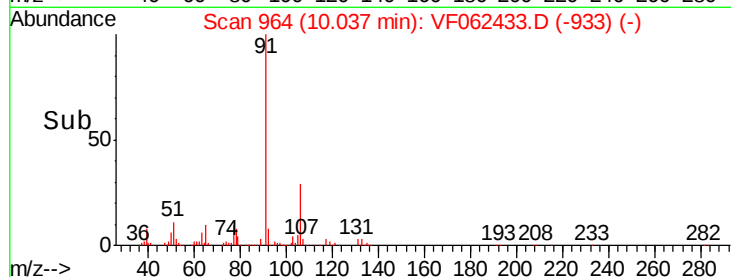
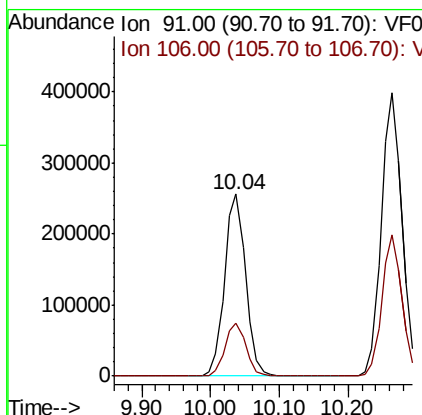
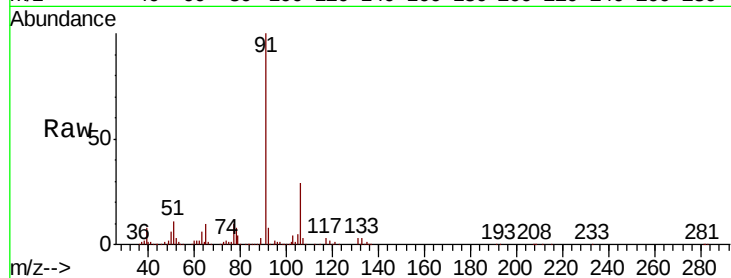




#67
Ethyl Benzene
Concen: 52.043 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

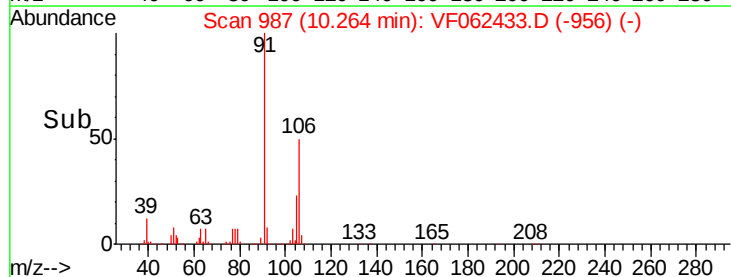
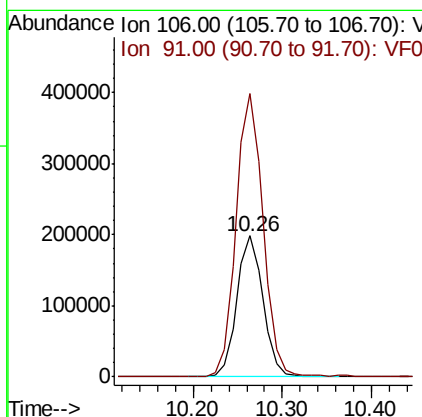
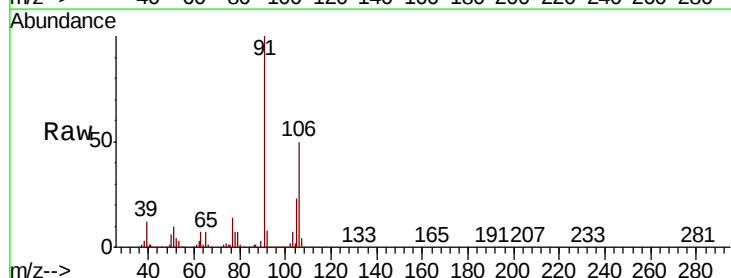
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

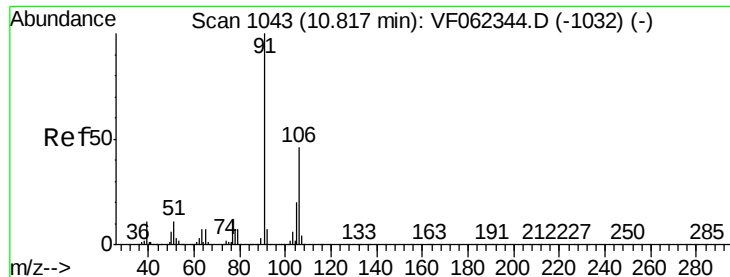
Tot Ion: 91 Resp: 544597
Ion Ratio Lower Upper
91 100
106 29.3 24.1 36.1



#68
m/p-Xylenes
Concen: 104.858 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion: 106 Resp: 404854
Ion Ratio Lower Upper
106 100
91 208.2 167.4 251.2

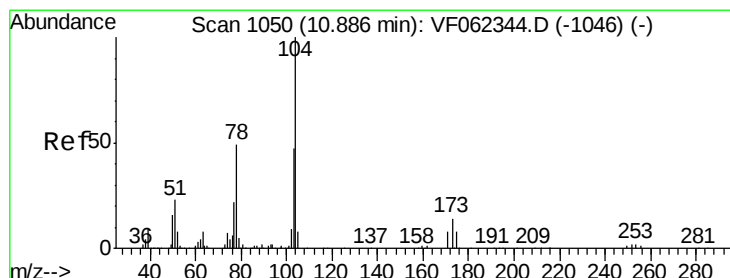
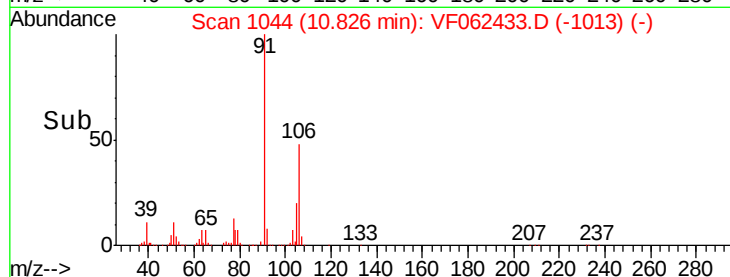
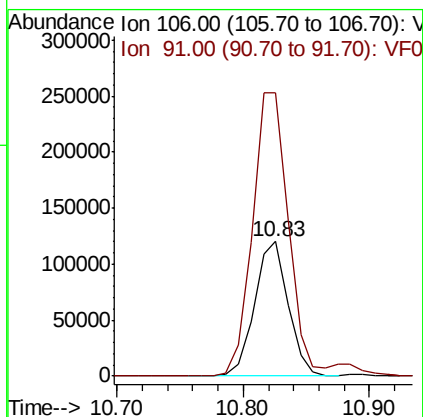
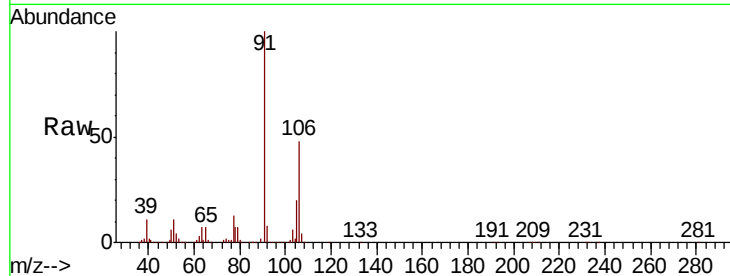




#69
o-Xylene
Concen: 53.555 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

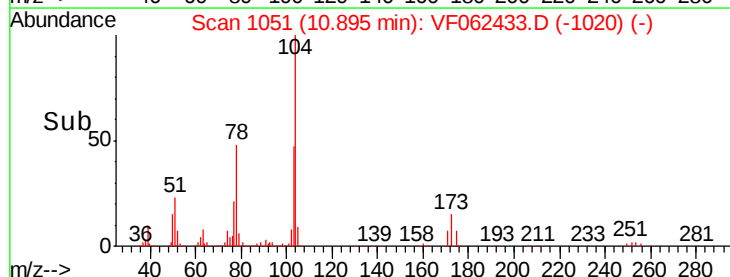
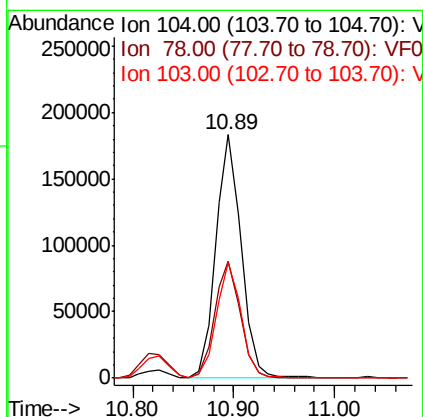
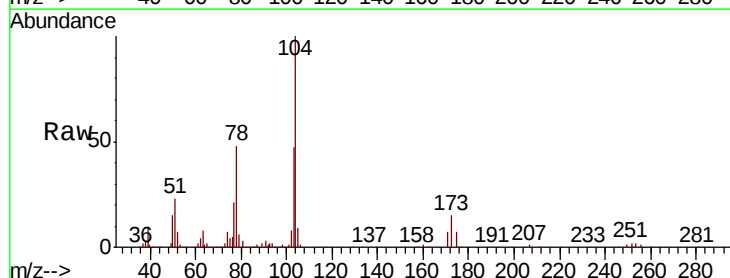
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

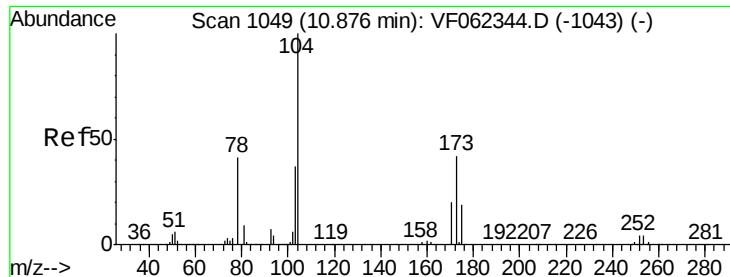
Tot Ion:106 Resp: 223436
Ion Ratio Lower Upper
106 100
91 223.7 111.3 333.8



#70
Styrene
Concen: 51.283 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:104 Resp: 320657
Ion Ratio Lower Upper
104 100
78 48.9 39.5 59.3
103 46.1 38.4 57.6





#71

Bromoform

Concen: 48.553 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

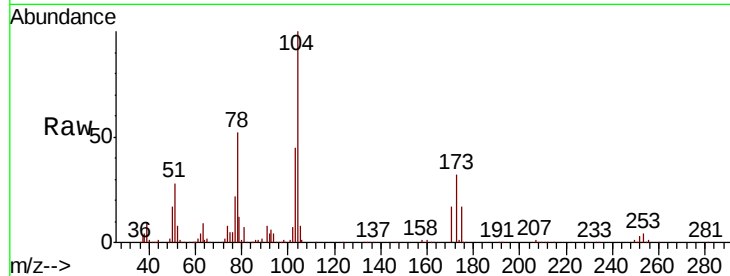
Tot Ion:173 Resp: 80190

Ion Ratio Lower Upper

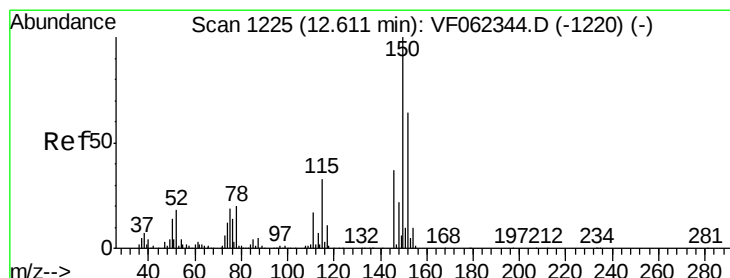
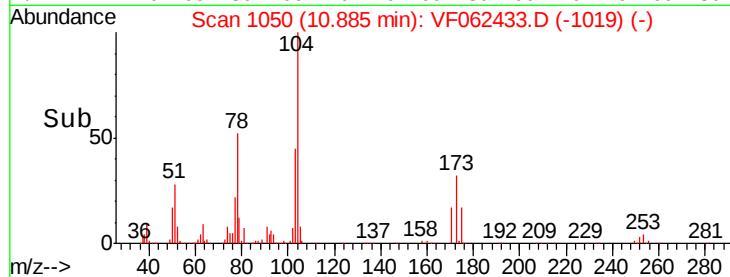
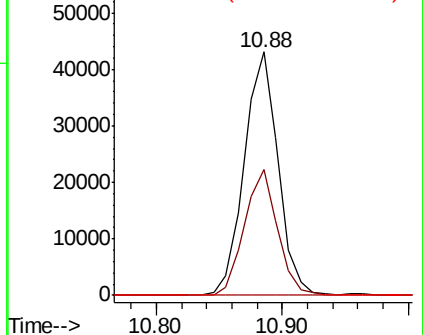
173 100

175 50.8 23.8 71.2

254 0.1 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. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

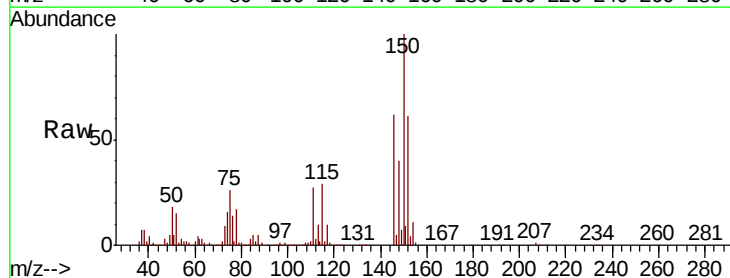
Tgt Ion:152 Resp: 218975

Ion Ratio Lower Upper

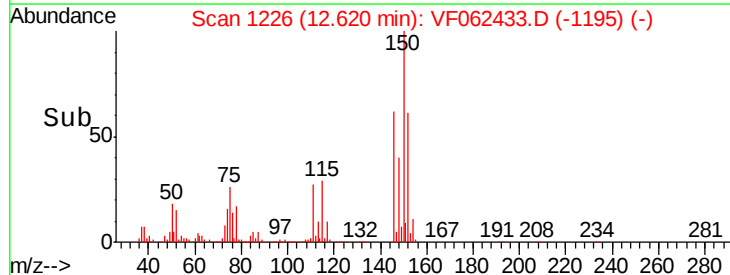
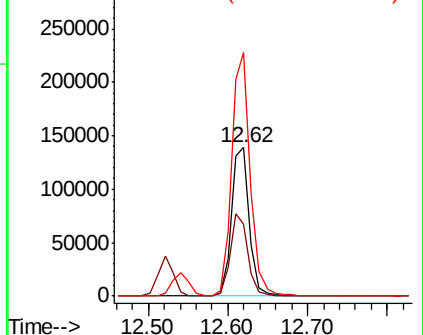
152 100

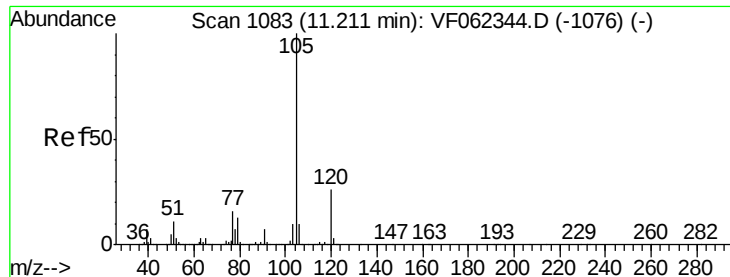
115 53.8 26.4 79.2

150 169.2 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: 53.679 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

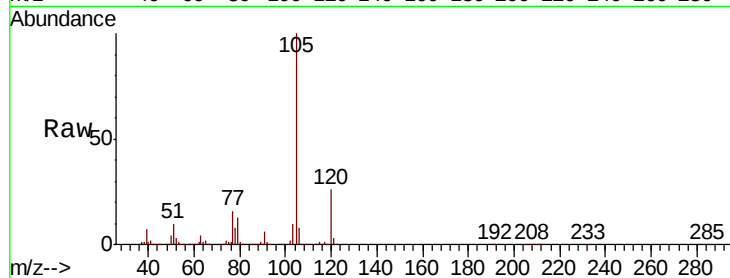
VSTDCCC050

Tot Ion:105 Resp: 696843

Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

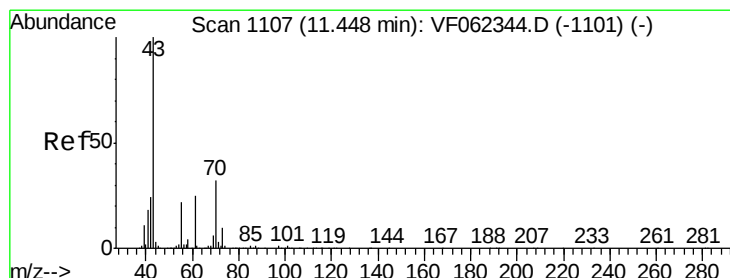
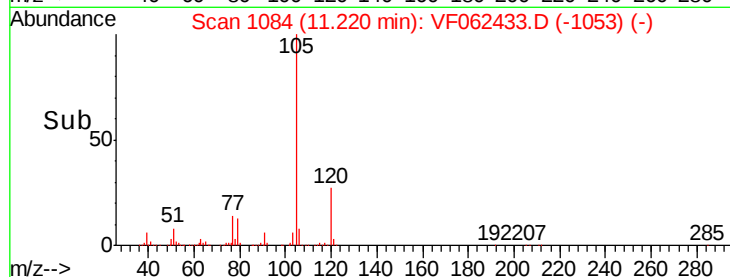
300000

200000

100000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 47.814 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Tgt Ion: 43 Resp: 133257

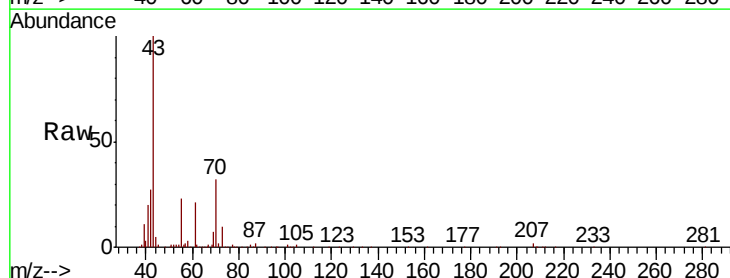
Ion Ratio Lower Upper

43 100

70 34.8 26.5 39.7

55 23.0 17.8 26.6

61 22.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

120000

100000

80000

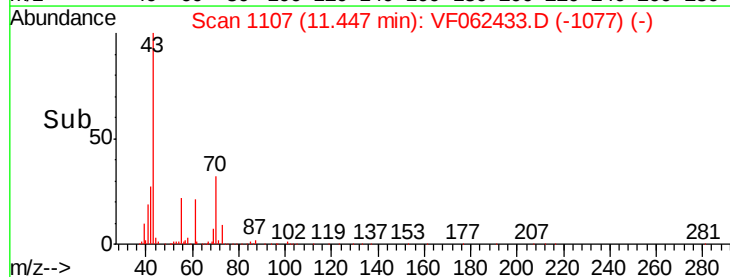
60000

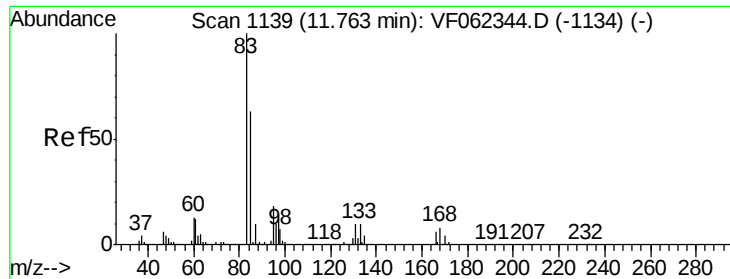
40000

20000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 50.196 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

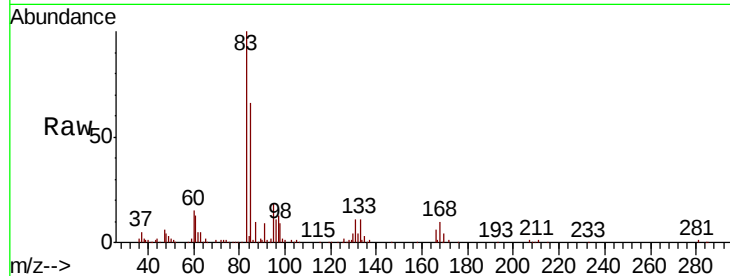
Tot Ion: 83 Resp: 102028

Ion Ratio Lower Upper

83 100

131 12.2 5.8 17.4

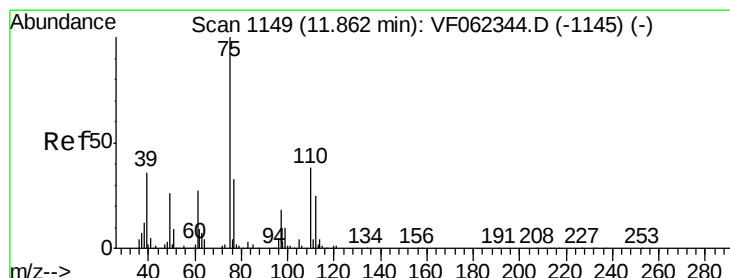
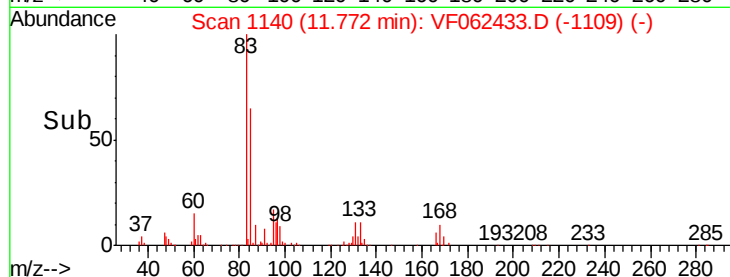
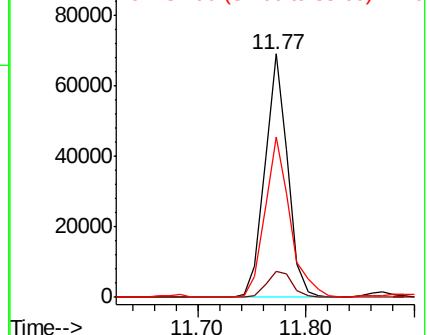
85 72.9 35.3 105.7



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: 48.999 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062433.D

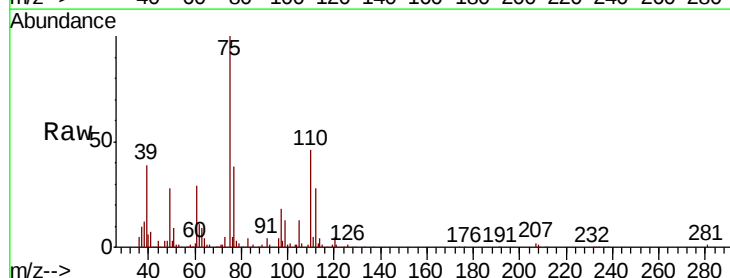
Acq: 10 May 2019 21:11

Tgt Ion: 75 Resp: 75985

Ion Ratio Lower Upper

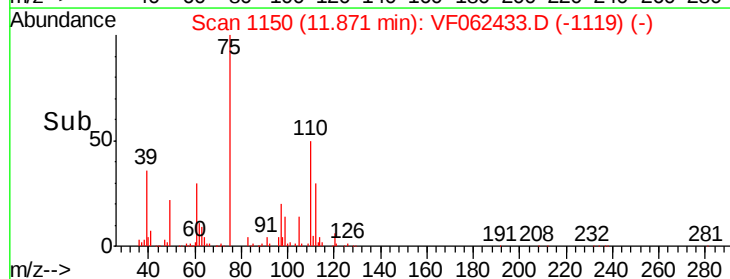
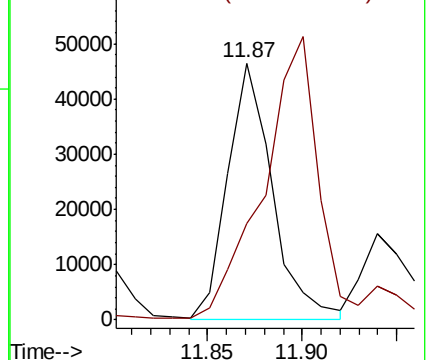
75 100

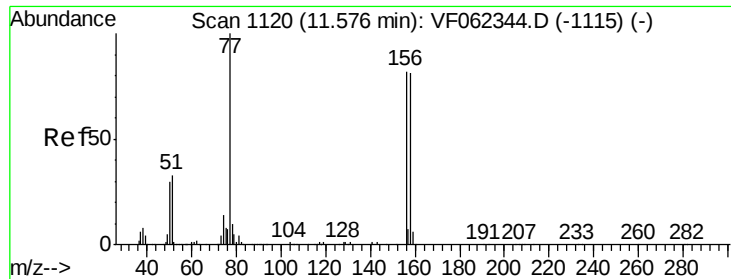
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.967 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

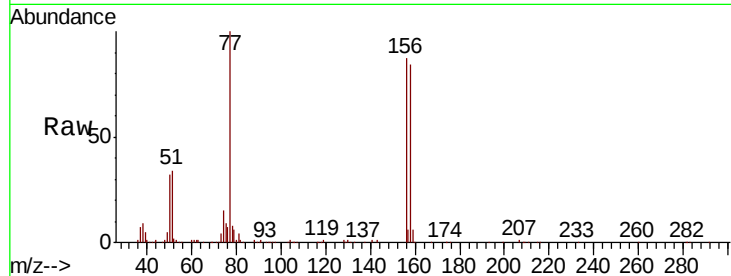
Tot Ion:156 Resp: 180458

Ion Ratio Lower Upper

156 100

77 128.1 64.8 194.3

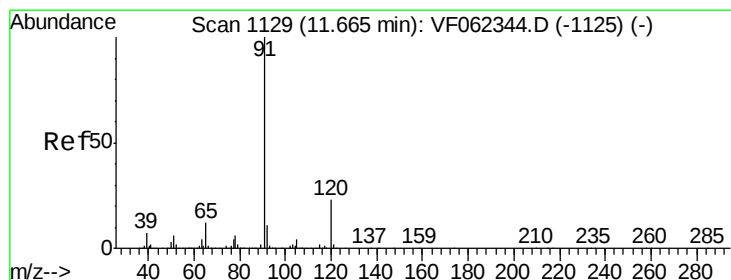
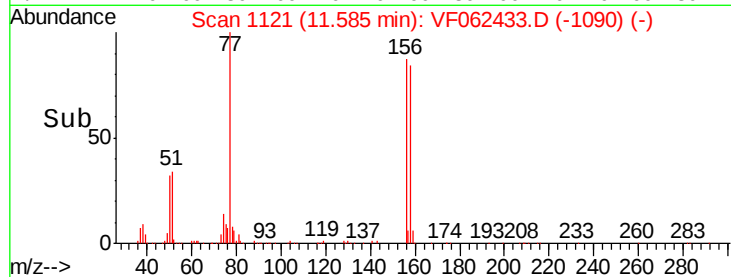
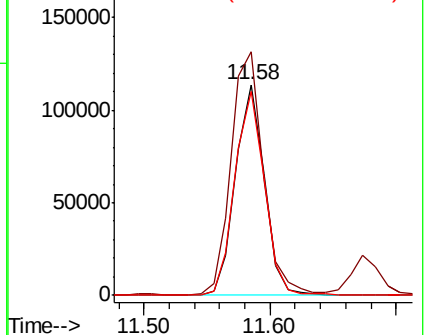
158 99.8 49.1 147.3



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: 51.900 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062433.D

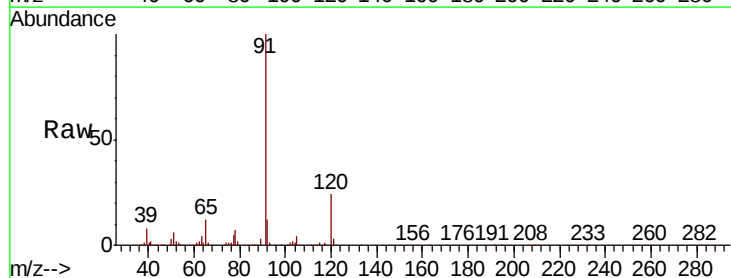
Acq: 10 May 2019 21:11

Tgt Ion: 91 Resp: 717312

Ion Ratio Lower Upper

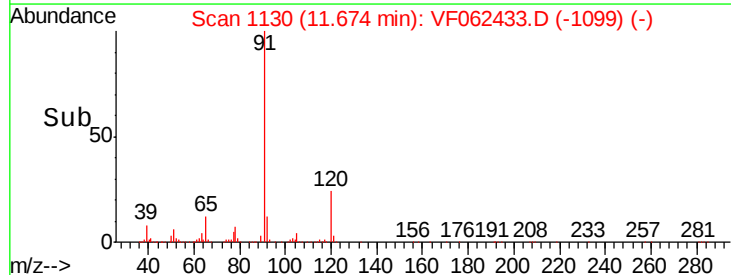
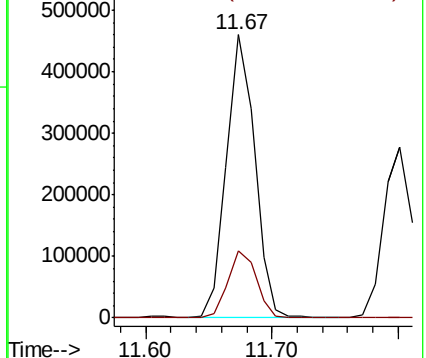
91 100

120 23.7 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: 51.879 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

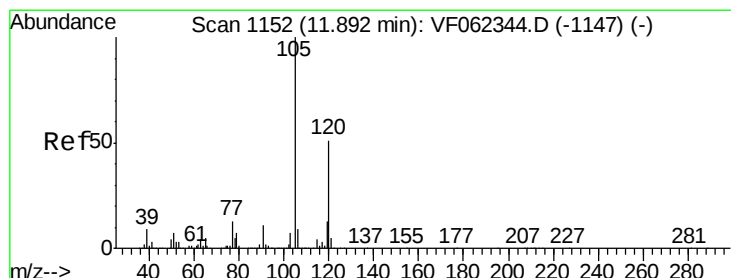
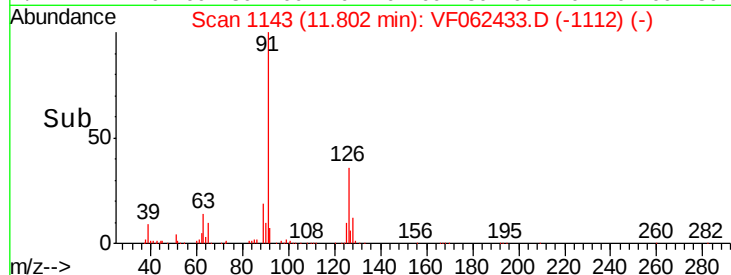
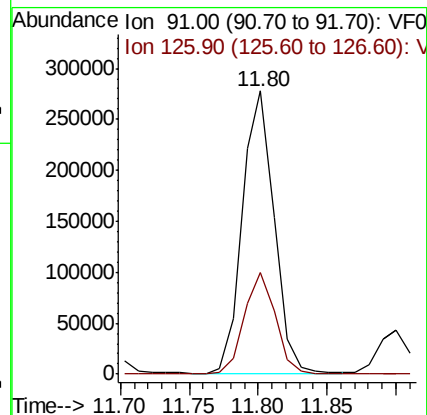
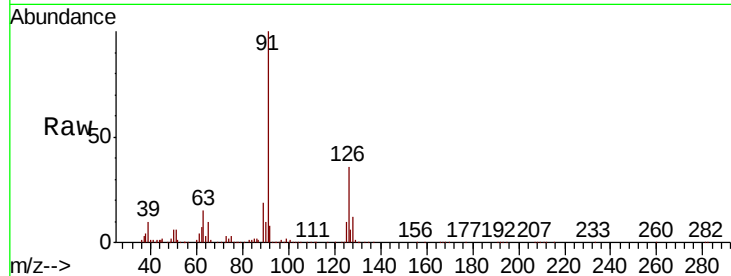
VSTDCCC050

Tot Ion: 91 Resp: 445856

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 52.756 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062433.D

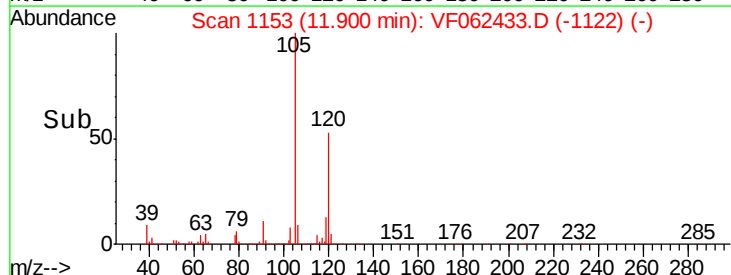
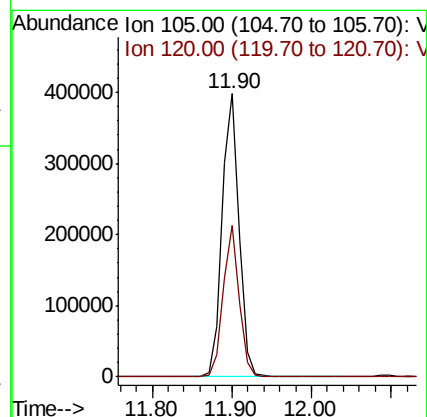
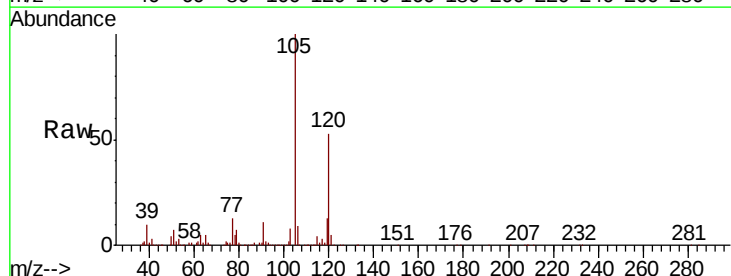
Acq: 10 May 2019 21:11

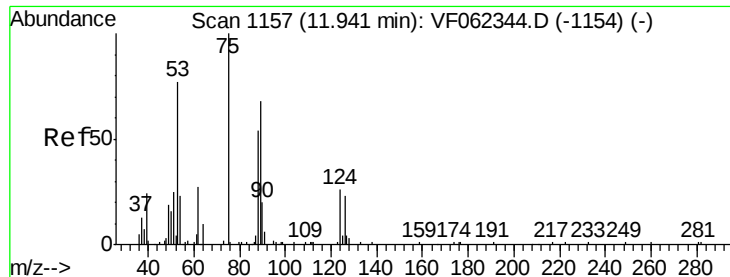
Tgt Ion: 105 Resp: 600272

Ion Ratio Lower Upper

105 100

120 50.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.161 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

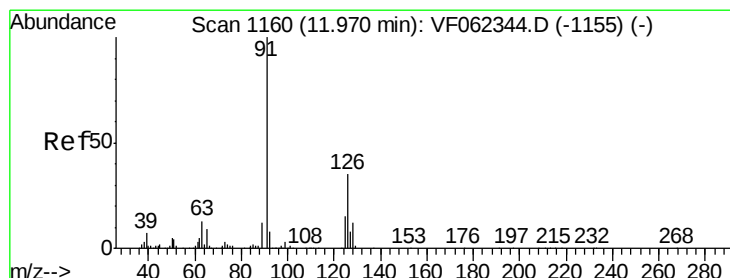
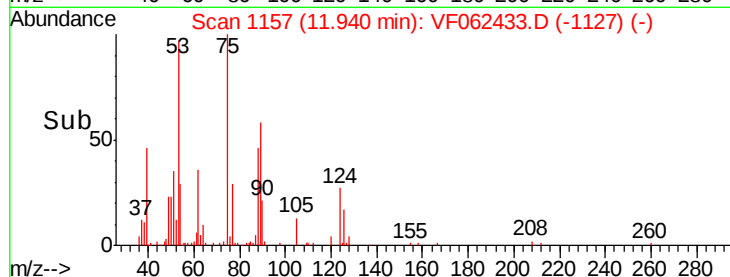
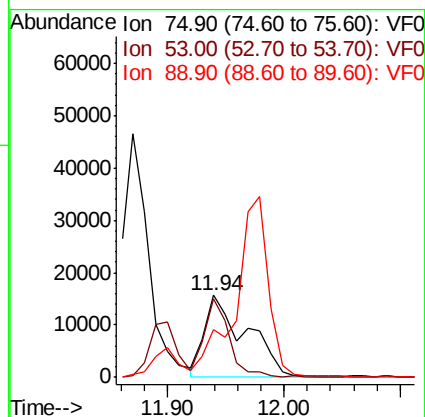
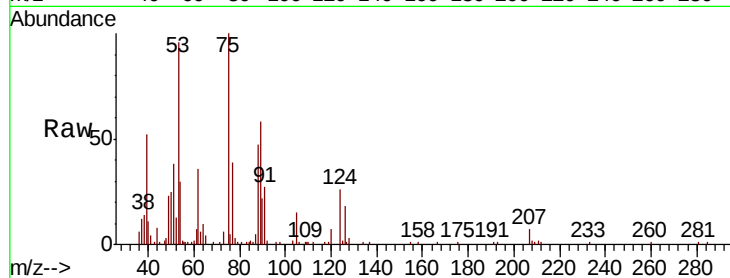
Tot Ion: 75 Resp: 38566

Ion Ratio Lower Upper

75 100

53 59.4 71.9 107.9#

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 52.655 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062433.D

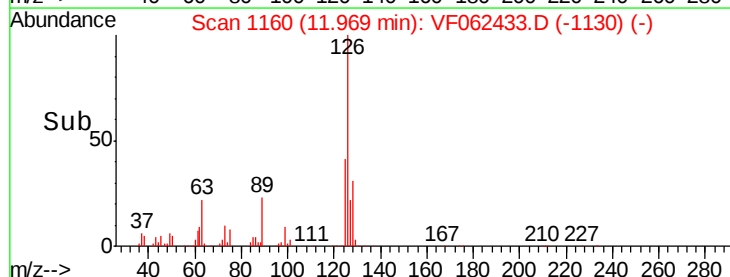
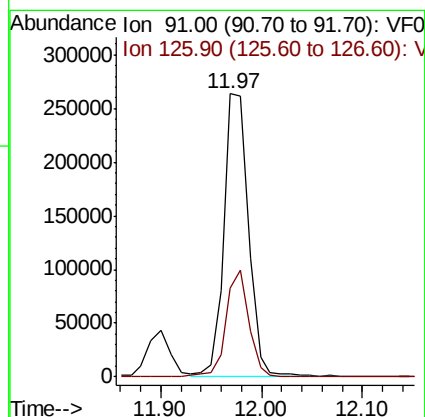
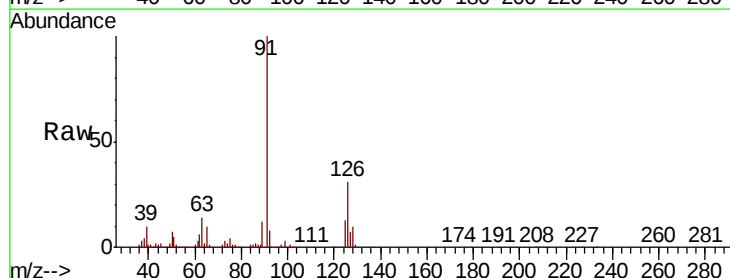
Acq: 10 May 2019 21:11

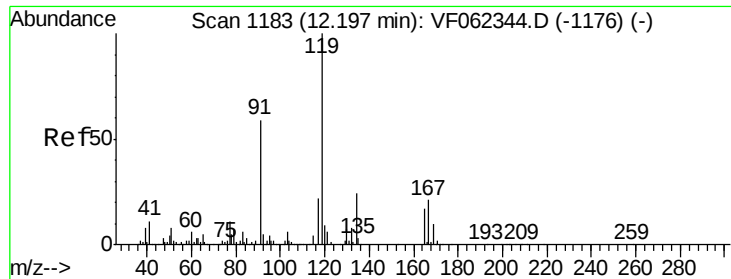
Tgt Ion: 91 Resp: 446944

Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1





#83

tert-Butylbenzene

Concen: 51.502 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

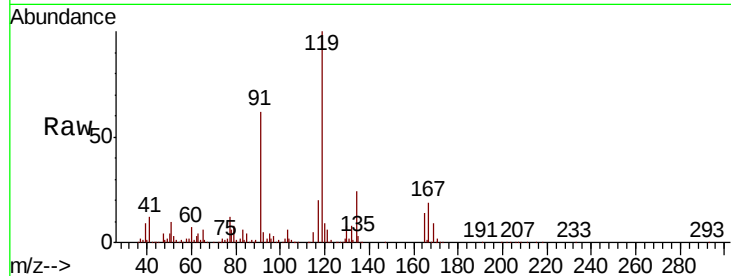
Tot Ion:119 Resp: 615862

Ion Ratio Lower Upper

119 100

91 61.1 30.4 91.3

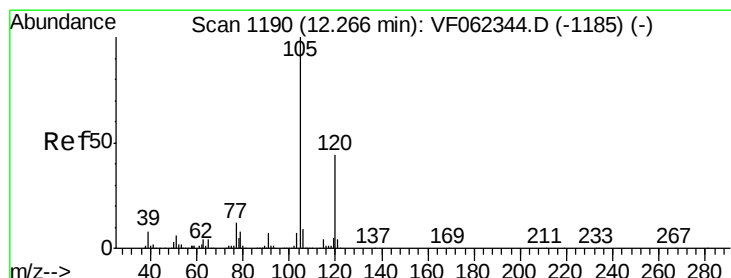
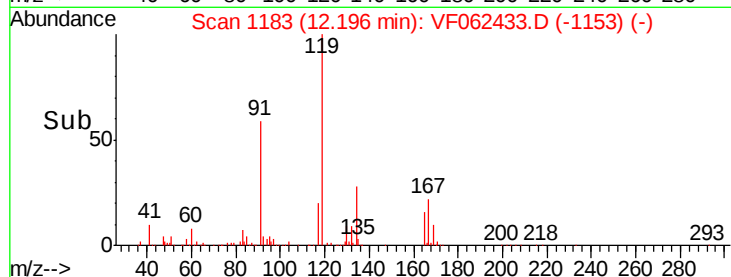
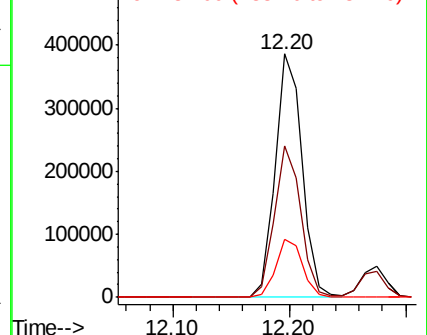
134 23.7 11.9 35.7



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: 52.133 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062433.D

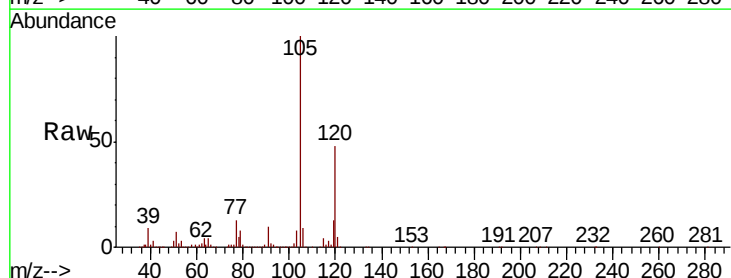
Acq: 10 May 2019 21:11

Tgt Ion:105 Resp: 580503

Ion Ratio Lower Upper

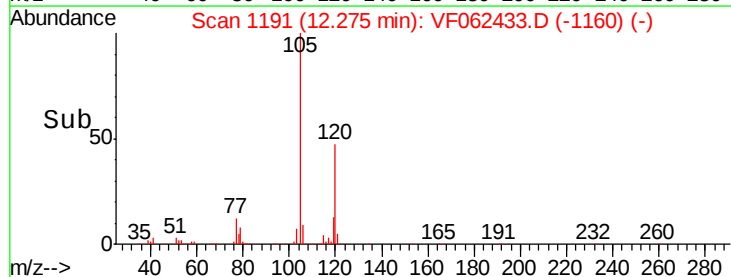
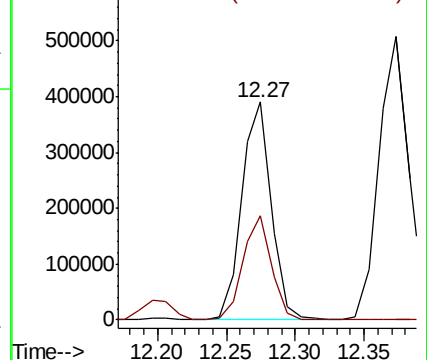
105 100

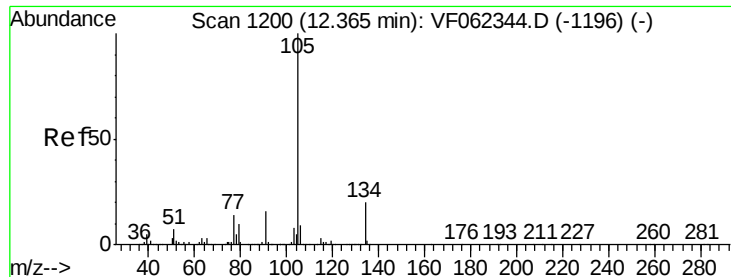
120 46.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.650 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

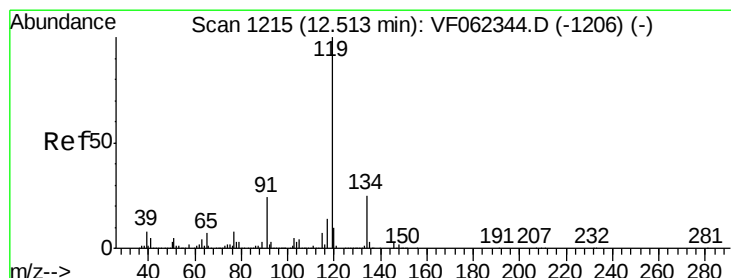
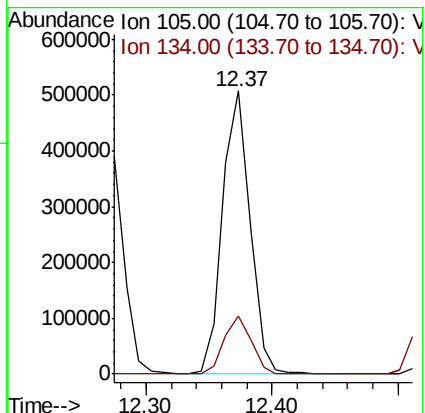
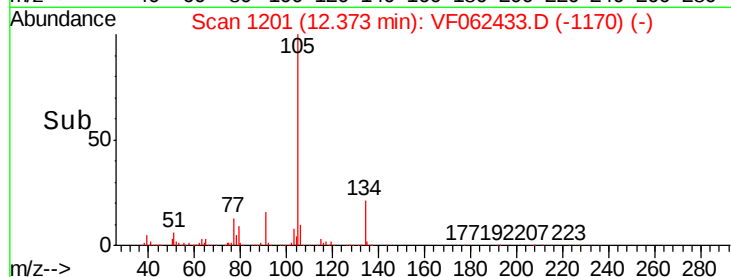
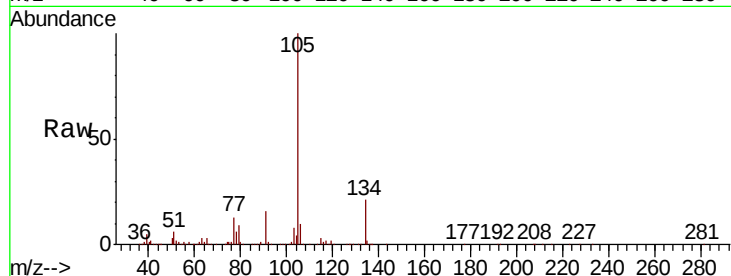
VSTDCCC050

Tot Ion:105 Resp: 766326

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.5



#86

p-Isopropyltoluene

Concen: 52.586 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

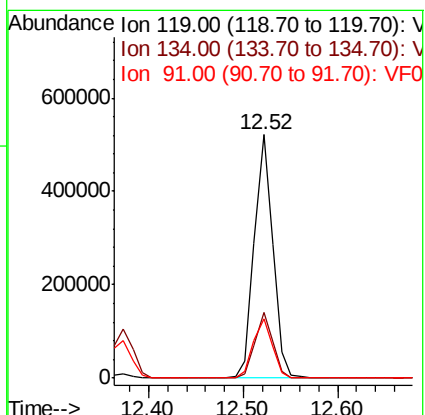
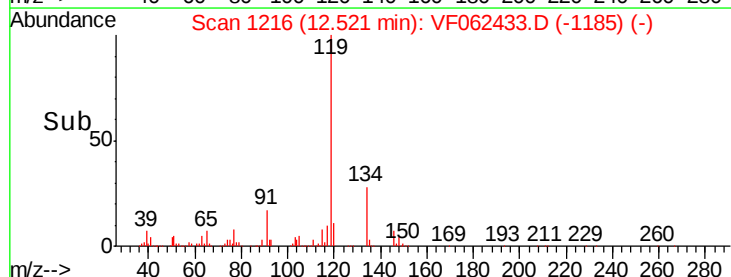
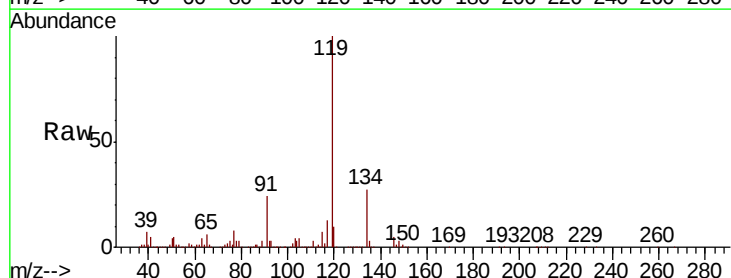
Tgt Ion:119 Resp: 711124

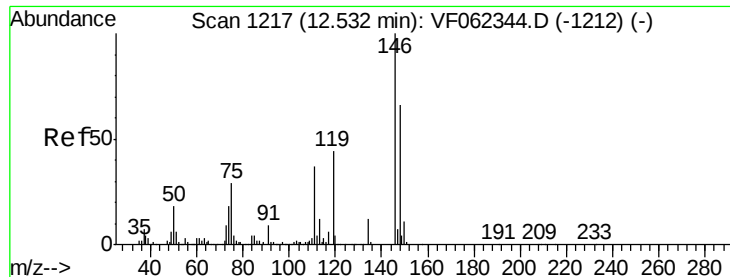
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 25.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 51.839 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

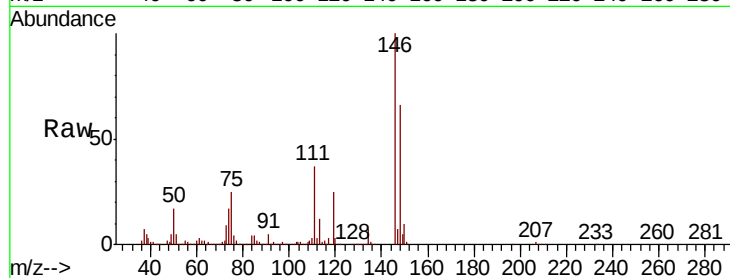
Tot Ion:146 Resp: 322562

Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.8

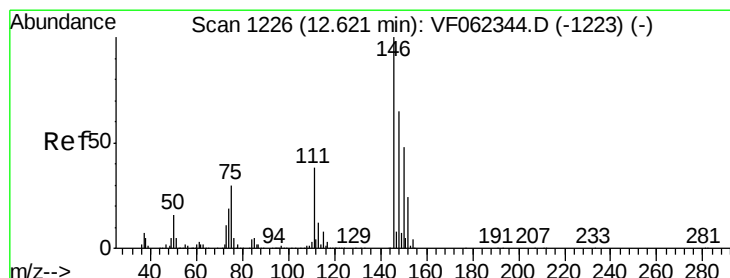
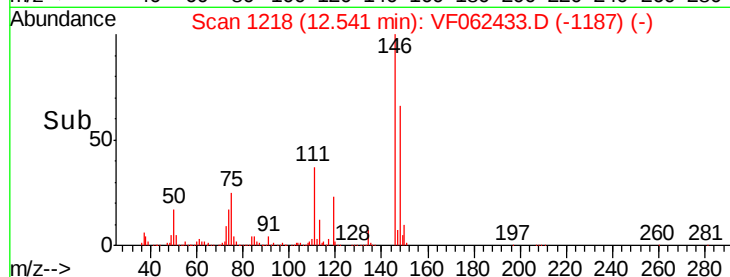
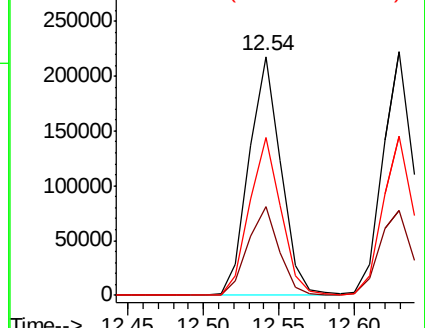
148 65.7 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.944 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

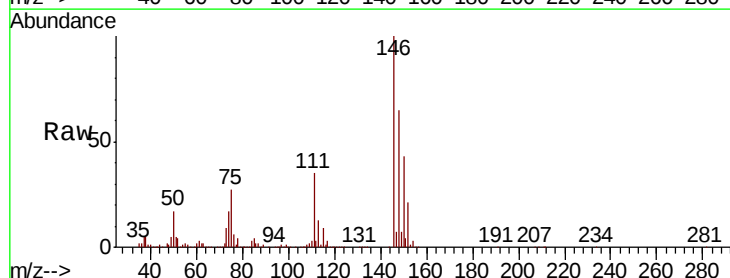
Tgt Ion:146 Resp: 317961

Ion Ratio Lower Upper

146 100

111 36.6 18.8 56.3

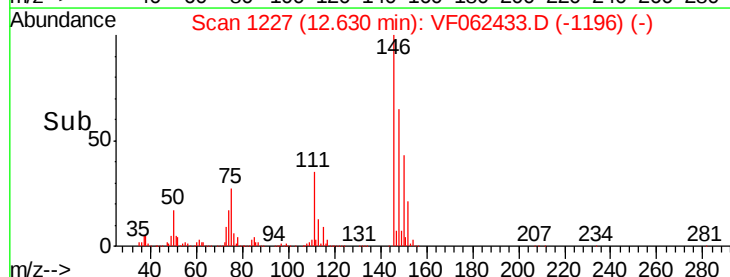
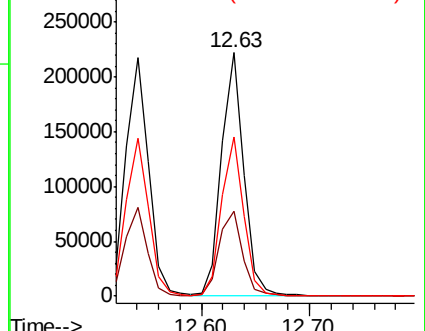
148 64.7 32.2 96.6

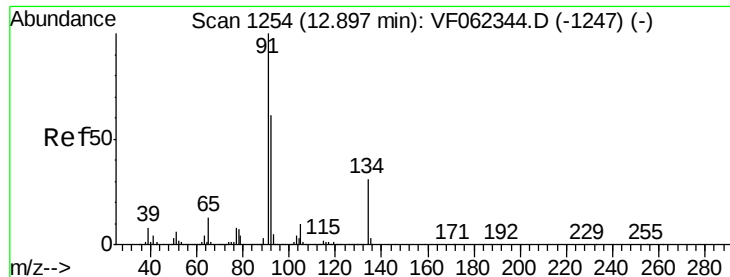


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.686 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062433.D

Acq: 10 May 2019 21:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

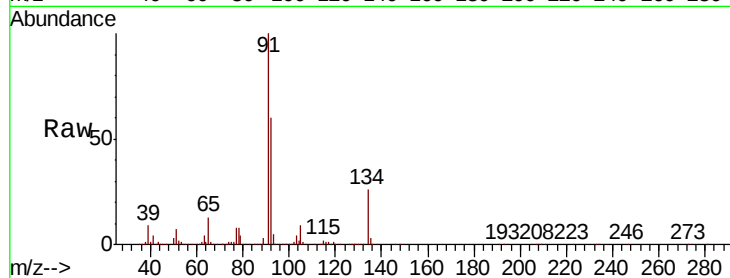
Tot Ion: 91 Resp: 633878

Ion Ratio Lower Upper

91 100

92 59.4 30.0 90.0

134 28.7 14.1 42.4

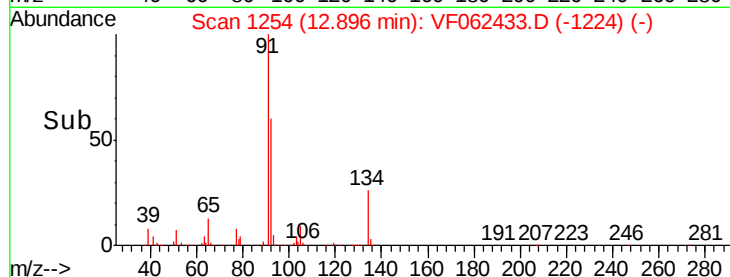


Abundance Ion 91.00 (90.70 to 91.70): VF062344.D (-1247) (-)

Ion 92.00 (91.70 to 92.70): VF062344.D (-1247) (-)

Ion 134.00 (133.70 to 134.70): VF062344.D (-1247) (-)

Time-->

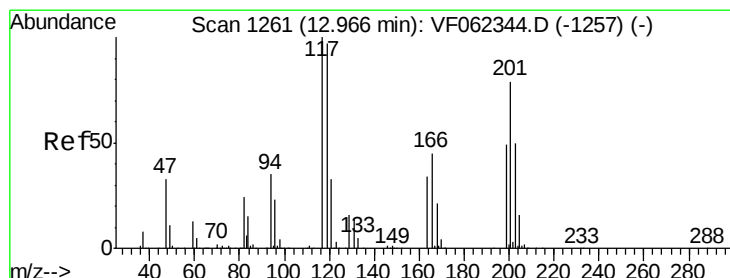


Abundance Ion 91.00 (90.70 to 91.70): VF062433.D (-1224) (-)

Ion 92.00 (91.70 to 92.70): VF062433.D (-1224) (-)

Ion 134.00 (133.70 to 134.70): VF062433.D (-1224) (-)

Time-->



#90

Hexachloroethane

Concen: 51.653 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062433.D

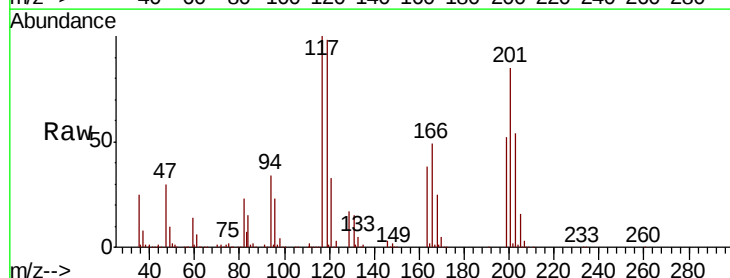
Acq: 10 May 2019 21:11

Tgt Ion: 117 Resp: 174409

Ion Ratio Lower Upper

117 100

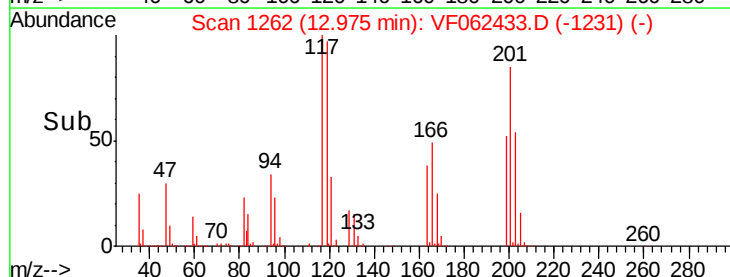
201 90.0 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): VF062344.D (-1257) (-)

Ion 200.70 (200.40 to 201.40): VF062344.D (-1257) (-)

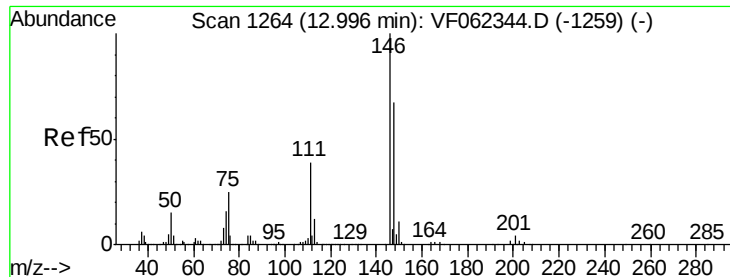
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VF062433.D (-1231) (-)

Ion 200.70 (200.40 to 201.40): VF062433.D (-1231) (-)

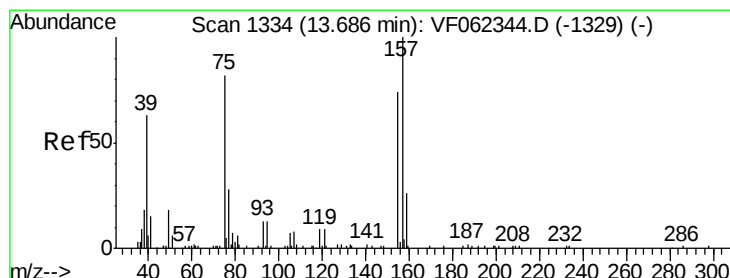
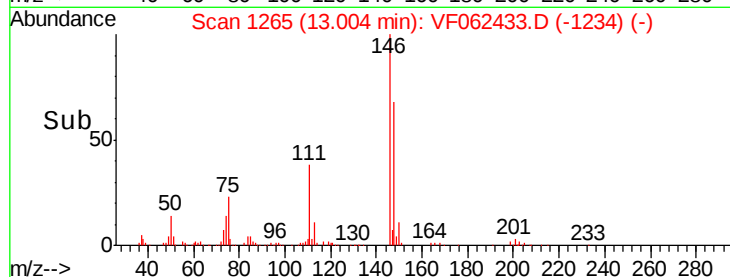
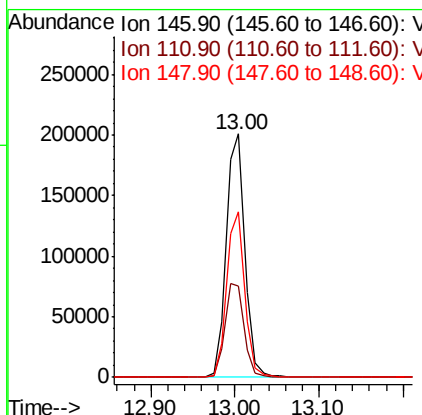
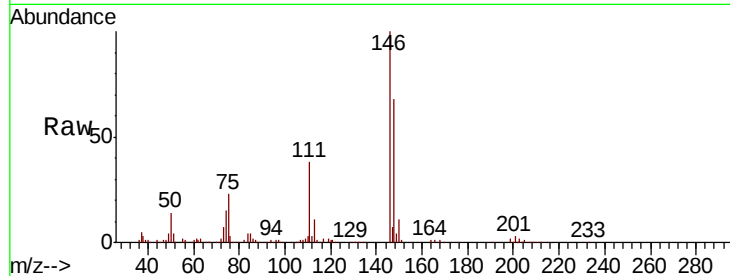
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 51.251 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

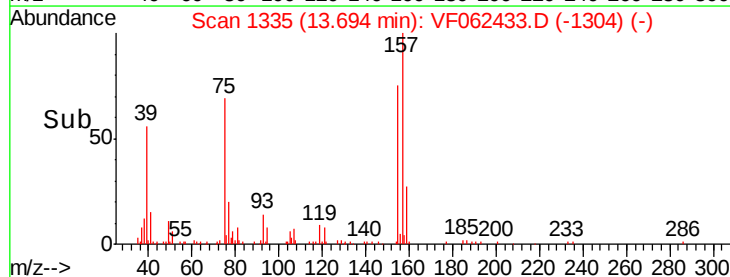
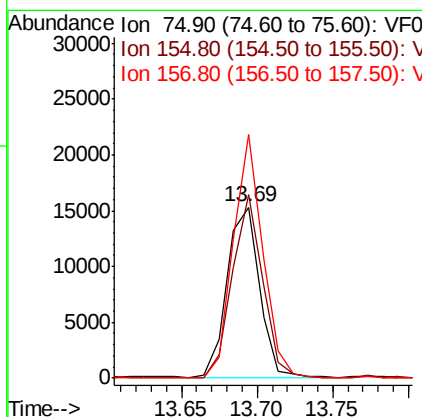
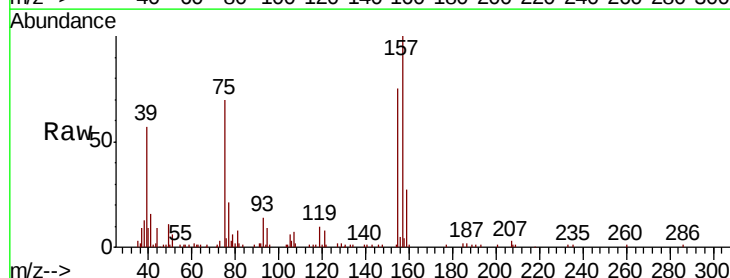
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

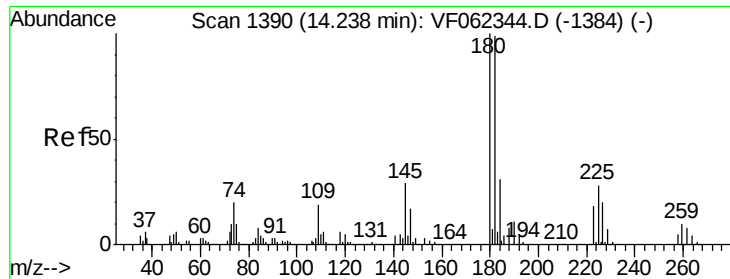
Tot Ion:146 Resp: 308671
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 60.0
 148 66.3 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.711 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion: 75 Resp: 23092
 Ion Ratio Lower Upper
 75 100
 155 98.6 51.8 155.4
 157 127.3 67.3 201.8

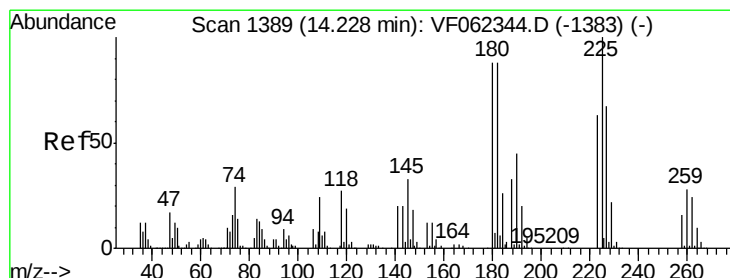
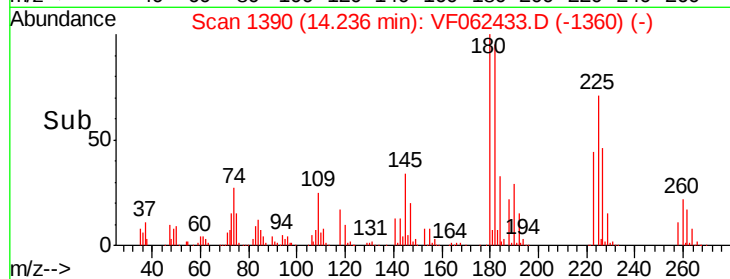
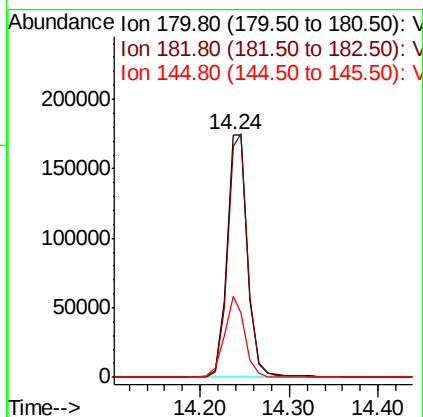
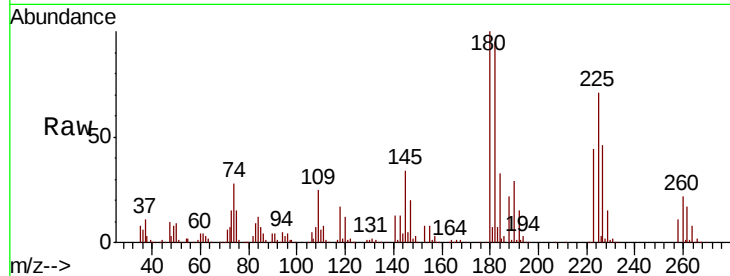




#93
 1,2,4-Trichlorobenzene
 Concen: 53.028 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

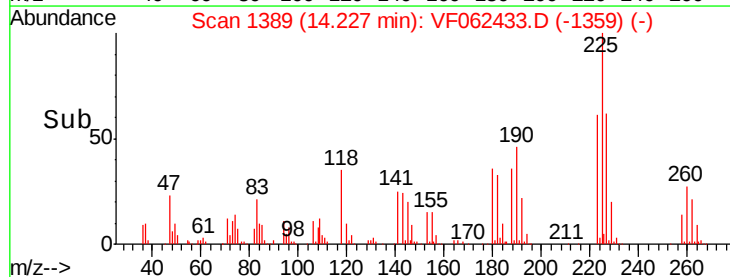
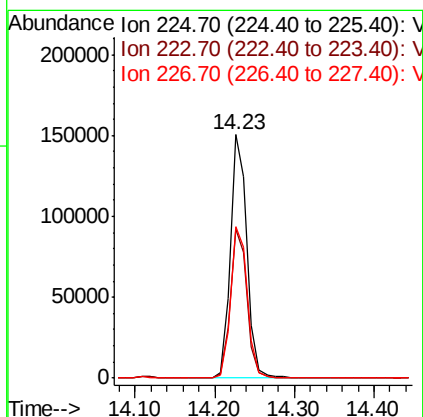
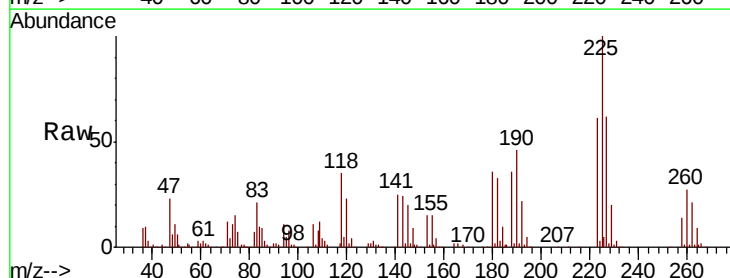
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

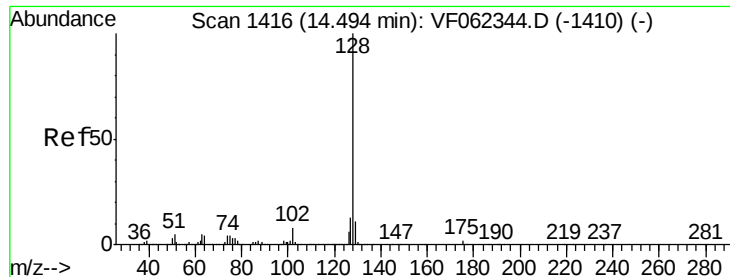
Tot Ion:180 Resp: 286465
 Ion Ratio Lower Upper
 180 100
 182 97.3 49.0 147.0
 145 33.1 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 54.571 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062433.D
 Acq: 10 May 2019 21:11

Tgt Ion:225 Resp: 219722
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.9 95.5
 227 63.2 33.1 99.5

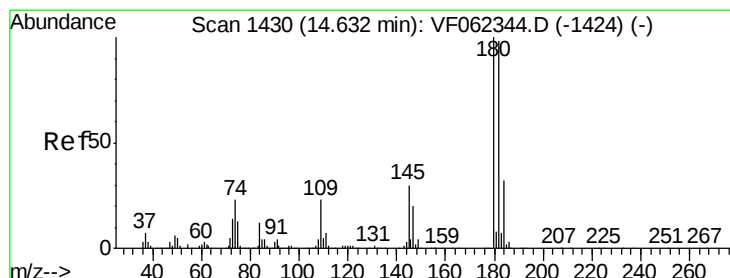
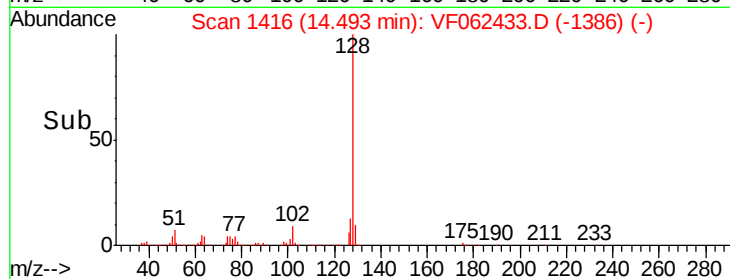
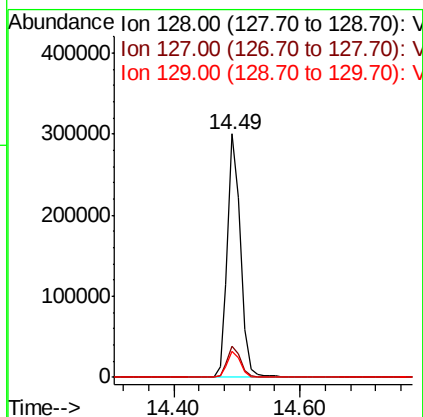
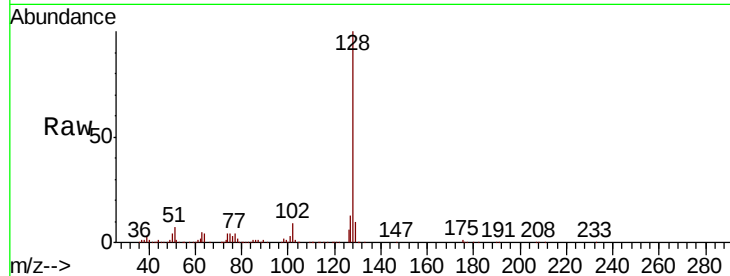




#95
Naphthalene
Concen: 53.354 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 433317
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.449 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062433.D
Acq: 10 May 2019 21:11

Tgt Ion:180 Resp: 279727
Ion Ratio Lower Upper
180 100
182 97.0 49.4 148.0
145 29.9 14.8 44.3

