

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062454.D
 Acq On : 11 May 2019 12:28
 Operator : FY/SY
 Sample : VF0511SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:44:51 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	315547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	412846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	361697	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	235034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	164804	55.27	ug/l	0.02
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	4.31	113	193174	58.73	ug/l	0.00
Spiked Amount			Recovery	=	117.46%	
50) Toluene-d8	7.72	98	416242	52.28	ug/l	0.02
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.49	95	191444	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	87562	23.977	ug/l	99
3) Chloromethane	1.14	50	52907	21.966	ug/l	100
4) Vinyl Chloride	1.19	62	49577	20.636	ug/l	96
5) Bromomethane	1.38	94	45246	23.636	ug/l	97
6) Chloroethane	1.43	64	27063	22.406	ug/l #	86
7) Trichlorofluoromethane	1.55	101	117394	23.551	ug/l	89
8) Diethyl Ether	1.72	74	15124	20.053	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	67594	23.752	ug/l	99
10) Methyl Iodide	1.98	142	112956	24.086	ug/l	97
11) Tert butyl alcohol	2.70	59	16367	97.112	ug/l #	87
12) 1,1-Dichloroethene	1.86	96	57403	23.727	ug/l	93
13) Acrolein	2.10	56	11858	101.265	ug/l	100
14) Allyl chloride	2.20	41	82570	38.637	ug/l	96
15) Acrylonitrile	3.09	53	32593	102.091	ug/l	96
16) Acetone	2.35	43	66630	110.452	ug/l	93
17) Carbon Disulfide	1.91	76	120096	22.767	ug/l	95
18) Methyl Acetate	2.47	43	22740	18.710	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	106332	21.292	ug/l	99
20) Methylene Chloride	2.33	84	33781	15.478	ug/l	86
21) trans-1,2-Dichloroethene	2.43	96	50252	21.802	ug/l	95
22) Diisopropyl ether	2.94	45	148705	22.264	ug/l	98
23) Vinyl Acetate	3.35	43	308182	103.525	ug/l	99
24) 1,1-Dichloroethane	3.02	63	96798	23.979	ug/l	98
25) 2-Butanone	4.53	43	79018	104.263	ug/l	99
26) 2,2-Dichloropropane	3.79	77	63588	28.207	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	66044	22.922	ug/l	96
28) Bromochloromethane	3.90	49	37174	20.305	ug/l	100
29) Tetrahydrofuran	4.27	42	32212	92.479	ug/l	99
30) Chloroform	4.06	83	133920	24.556	ug/l	97
31) Cyclohexane	3.90	56	72884	22.620	ug/l	88
32) 1,1,1-Trichloroethane	4.30	97	120066	25.687	ug/l	99
36) 1,1-Dichloropropene	4.48	75	85168	24.015	ug/l	99
37) Ethyl Acetate	4.31	43	30409	18.723	ug/l #	99
38) Carbon Tetrachloride	4.19	117	135201	35.974	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	78128	21.966	ug/l	88
40) Benzene	4.83	78	182457	23.363	ug/l	100
41) Methacrylonitrile	4.94	41	17816	20.951	ug/l	91
42) 1,2-Dichloroethane	5.14	62	76013	23.272	ug/l	100
43) Isopropyl Acetate	7.12	43	30686	19.023	ug/l #	99
44) Trichloroethene	5.69	130	66509	23.183	ug/l	99
45) 1,2-Dichloropropane	6.42	63	39801	22.500	ug/l #	86
46) Dibromomethane	6.26	93	33073	22.550	ug/l	98
47) Bromodichloromethane	6.56	83	83574	22.792	ug/l	93
48) Methyl methacrylate	6.88	41	21870	19.185	ug/l	93
49) 1,4-Dioxane	6.88	88	4591	383.520	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	123888	101.354	ug/l	99
52) Toluene	7.79	92	116305	24.141	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	61455	22.159	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	79491	24.628	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	32683	21.370	ug/l	98
56) Ethyl methacrylate	8.76	69	31451	19.481	ug/l	95
57) 1,3-Dichloropropane	9.00	76	51476	22.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	46060	94.895	ug/l	95
59) 2-Hexanone	9.63	43	98417	116.419	ug/l	95
60) Dibromochloromethane	8.86	129	57259	22.891	ug/l	97
61) 1,2-Dibromoethane	9.14	107	38412	21.369	ug/l	96
64) Tetrachloroethene	8.31	164	66361	22.600	ug/l	96
65) Chlorobenzene	9.94	112	139535	23.316	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	69799	23.120	ug/l	97
67) Ethyl Benzene	10.04	91	246177	23.492	ug/l	98
68) m/p-Xylenes	10.26	106	184111	47.617	ug/l	97
69) o-Xylene	10.82	106	98202	23.504	ug/l	97
70) Styrene	10.89	104	141168	22.545	ug/l	99
71) Bromoform	10.88	173	32822	19.844	ug/l #	98
73) Isopropylbenzene	11.22	105	314834	22.595	ug/l	100
74) N-amyl acetate	11.45	43	51767	17.305	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	43190	19.797	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	33724	20.261	ug/l #	100
77) Bromobenzene	11.58	156	76432	20.901	ug/l	98
78) n-propylbenzene	11.67	91	321449	21.669	ug/l	99
79) 2-Chlorotoluene	11.80	91	203856	22.100	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	278531	22.806	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	17515	27.995	ug/l #	67
82) 4-Chlorotoluene	11.98	91	205897	22.599	ug/l	100
83) tert-Butylbenzene	12.20	119	288701	22.493	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	267800	22.407	ug/l	98
85) sec-Butylbenzene	12.37	105	355307	22.743	ug/l	99
86) p-Isopropyltoluene	12.52	119	327315	22.550	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	148141	22.181	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	145299	22.541	ug/l	98
89) n-Butylbenzene	12.89	91	302333	23.412	ug/l	96
90) Hexachloroethane	12.97	117	75486	20.829	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	142901	22.106	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8711	17.823	ug/l	91

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QLast Update : Tue May 07 04:34:57 2019
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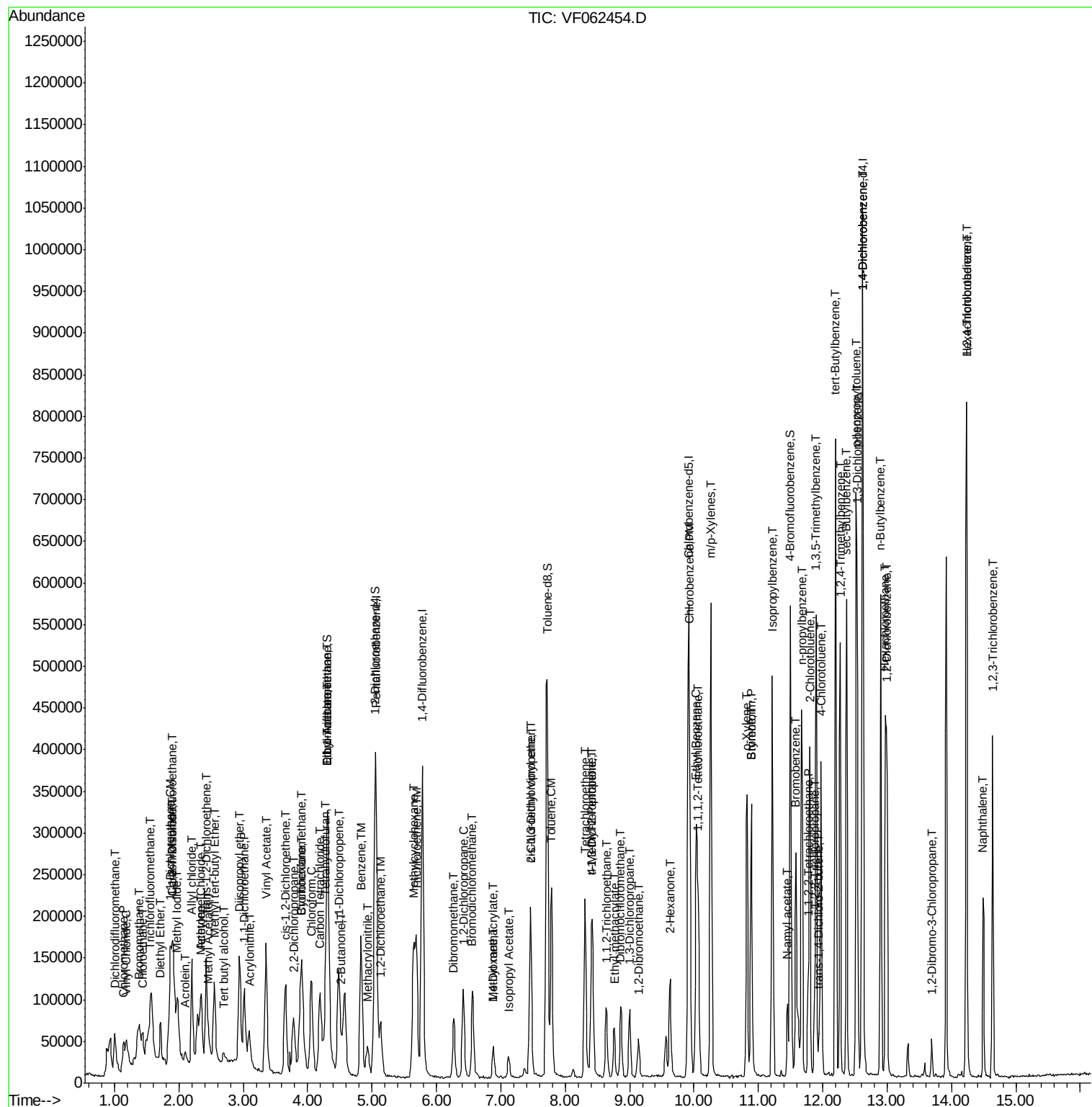
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	130213	22.457	ug/l	97
94) Hexachlorobutadiene	14.23	225	99782	23.089	ug/l	97
95) Naphthalene	14.49	128	160627	18.426	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	120361	21.427	ug/l	99

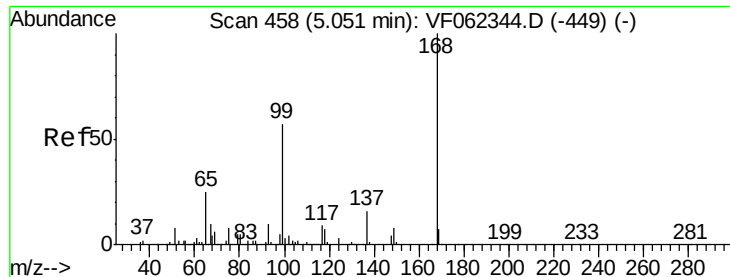
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

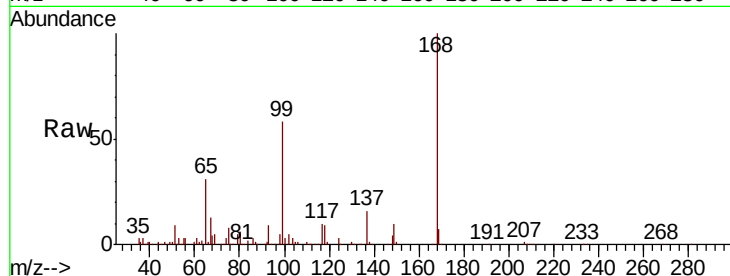
ClientSampleId :

Tot Ion:168 Resp: 315547

Ion Ratio Lower Upper

168 100

99 58.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

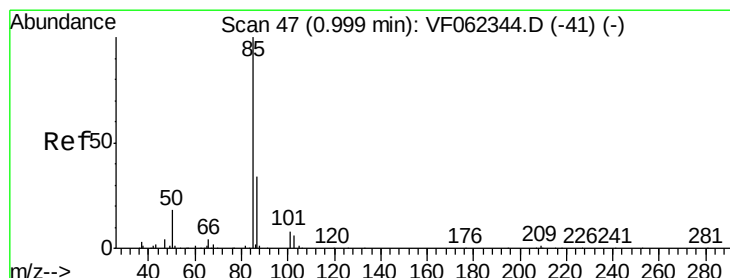
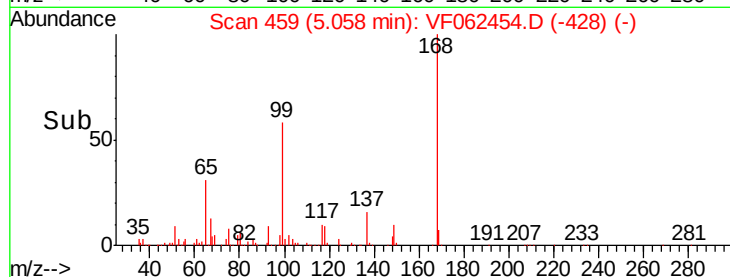
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.977 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062454.D

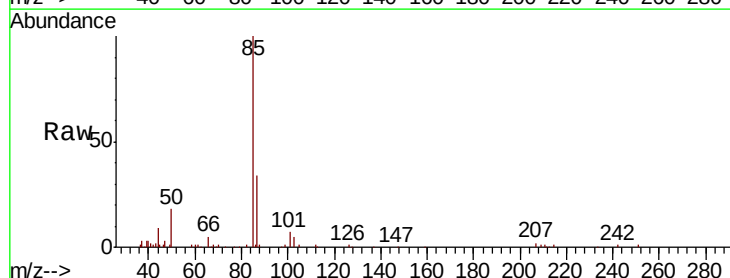
Acq: 11 May 2019 12:28

Tgt Ion: 85 Resp: 87562

Ion Ratio Lower Upper

85 100

87 34.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

25000

20000

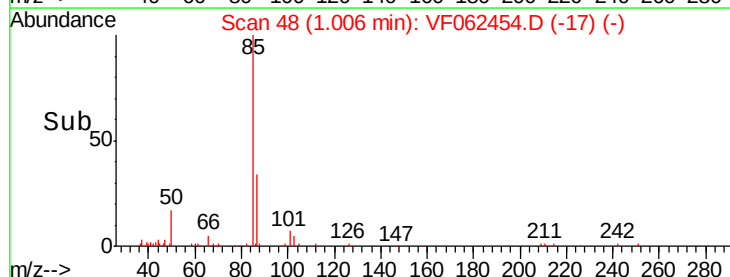
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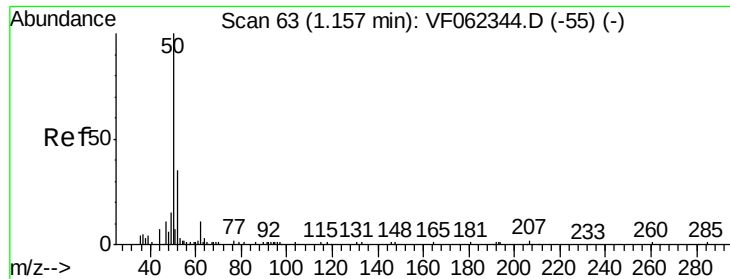
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.966 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

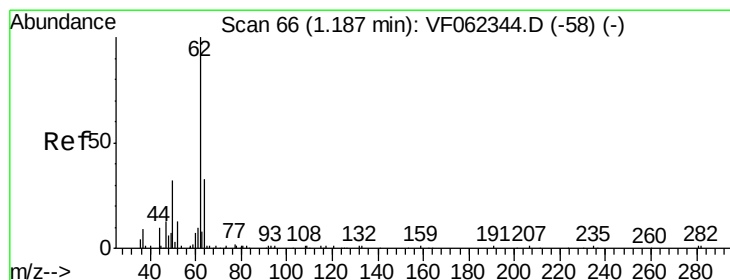
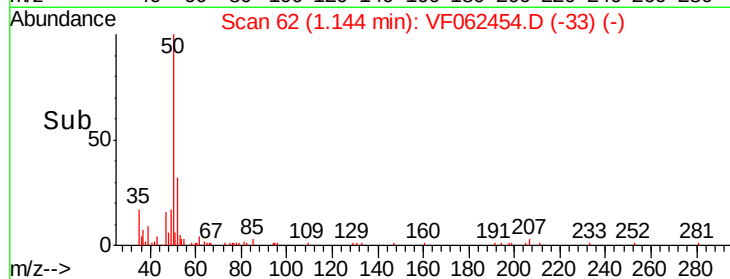
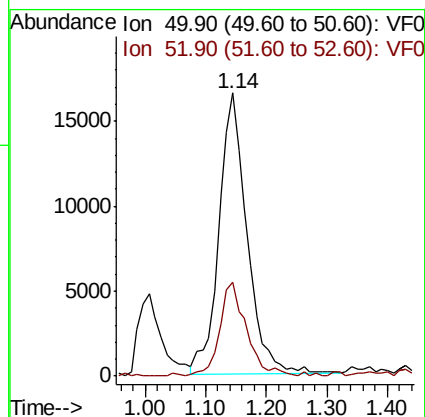
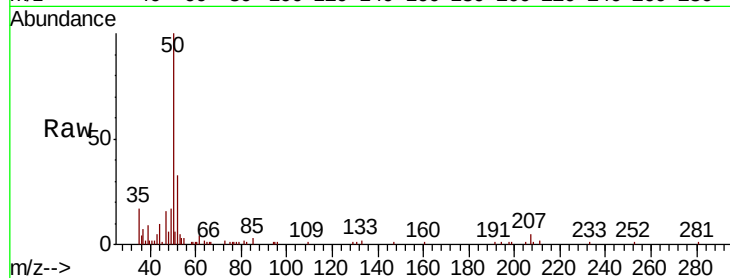
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 52907

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 20.636 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062454.D

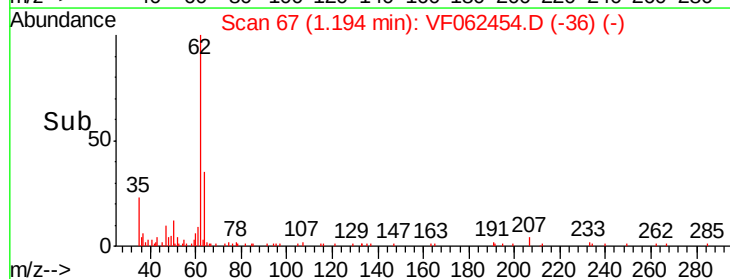
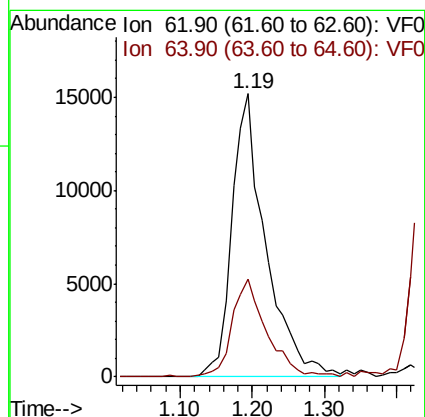
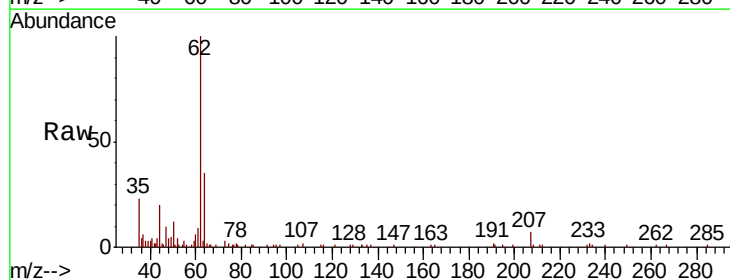
Acq: 11 May 2019 12:28

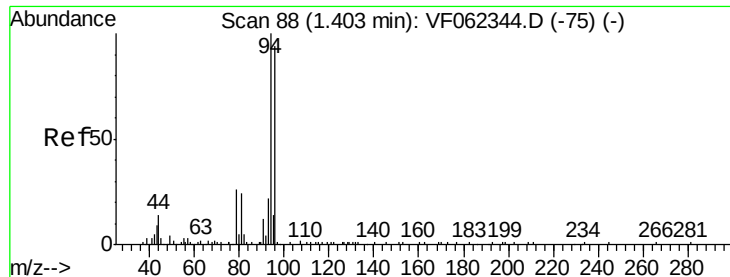
Tgt Ion: 62 Resp: 49577

Ion Ratio Lower Upper

62 100

64 34.7 26.1 39.1





#5

Bromomethane

Concen: 23.636 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

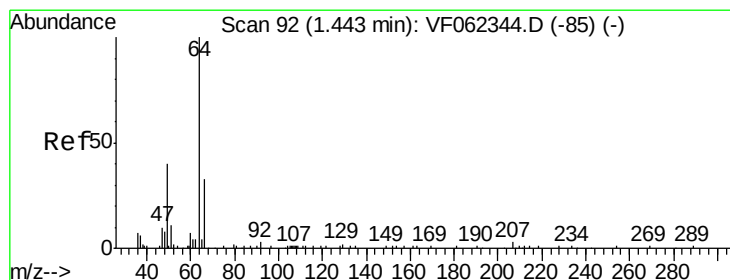
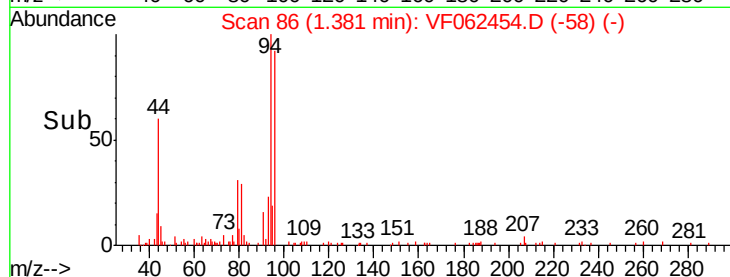
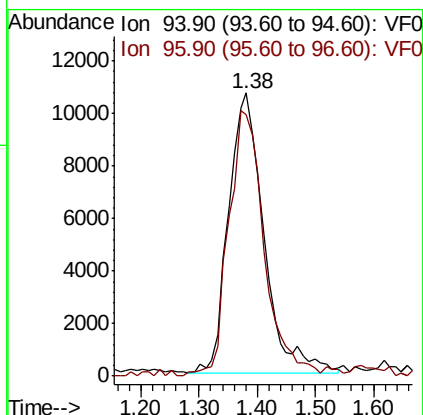
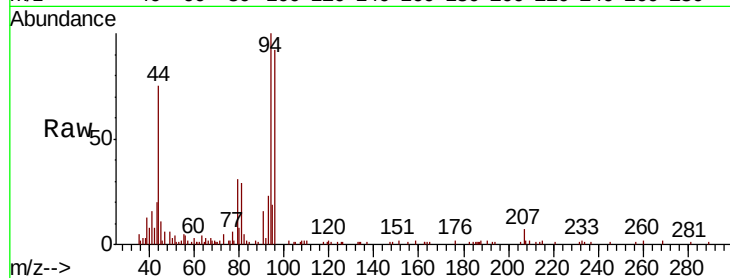
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 45246

Ion Ratio Lower Upper

94 100

96 91.6 75.4 113.2



#6

Chloroethane

Concen: 22.406 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062454.D

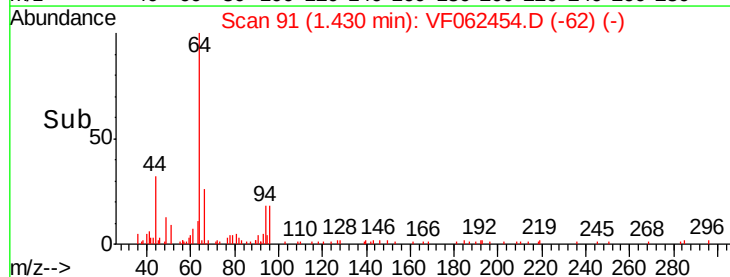
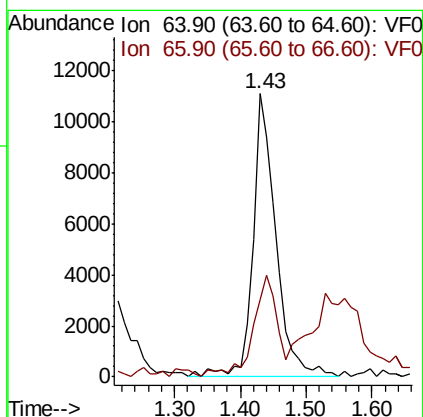
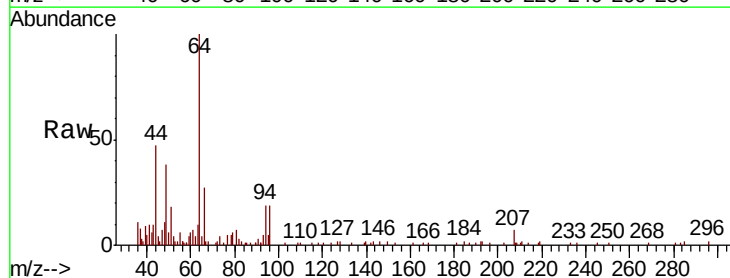
Acq: 11 May 2019 12:28

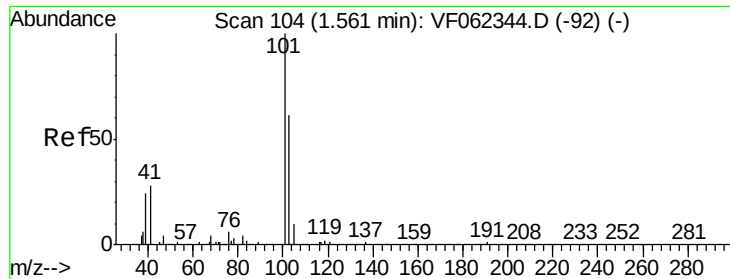
Tgt Ion: 64 Resp: 27063

Ion Ratio Lower Upper

64 100

66 25.0 26.6 39.8#



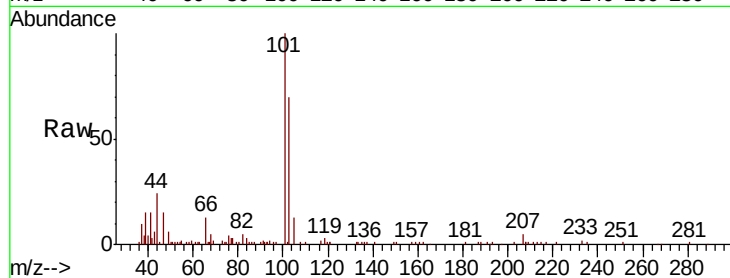


#7

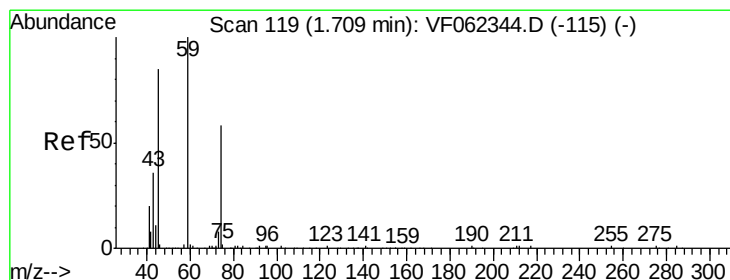
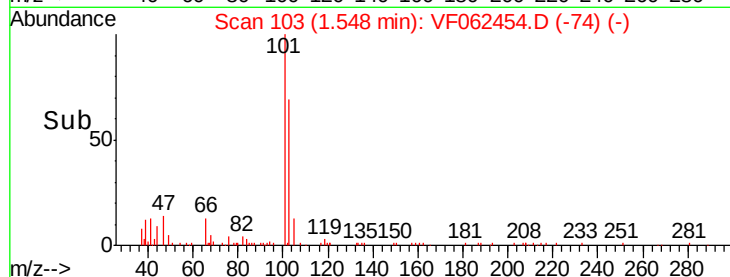
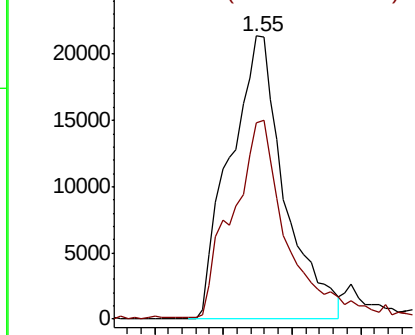
Trichlorofluoromethane
 Concen: 23.551 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. -0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:101 Resp: 117394
 Ion Ratio Lower Upper
 101 100
 103 69.0 48.5 72.7



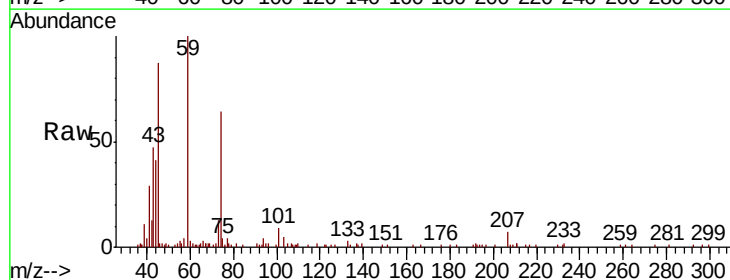
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



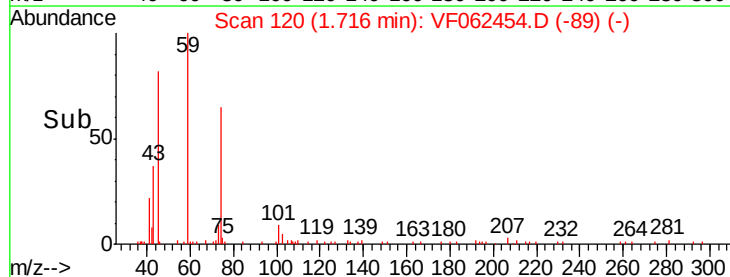
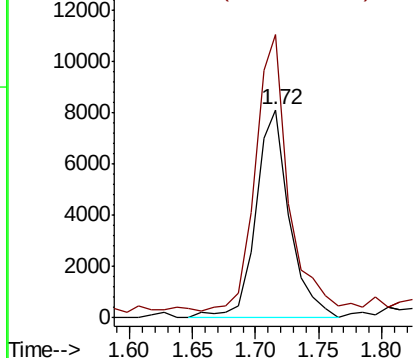
#8

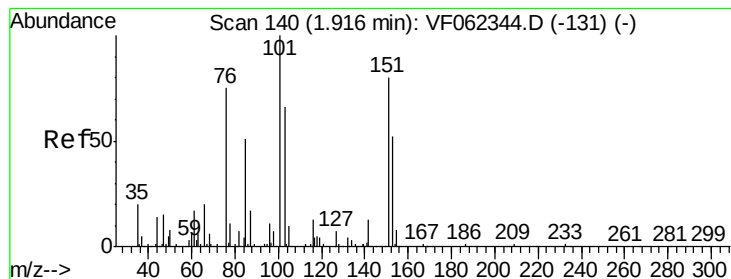
Diethyl Ether
 Concen: 20.053 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 74 Resp: 15124
 Ion Ratio Lower Upper
 74 100
 45 130.2 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0
 Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.752 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

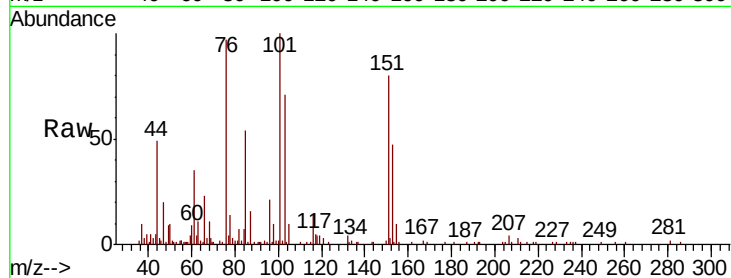
Tot Ion:101 Resp: 67594

Ion Ratio Lower Upper

101 100

85 50.1 39.5 59.3

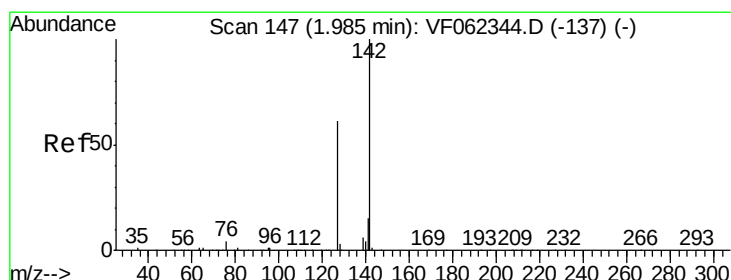
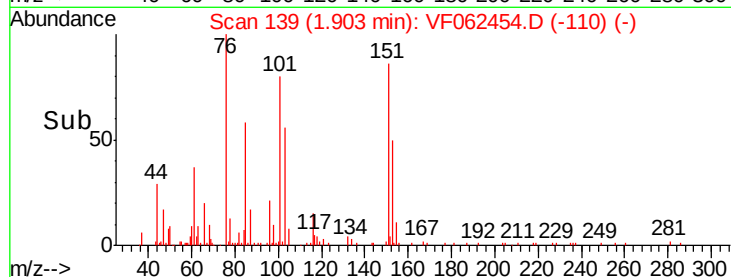
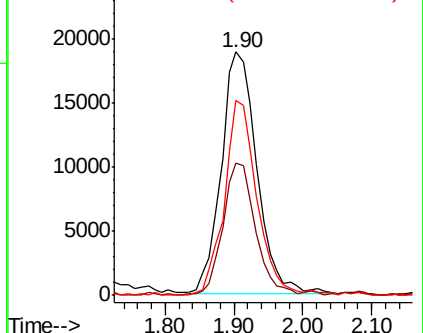
151 73.4 59.9 89.9



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: 24.086 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

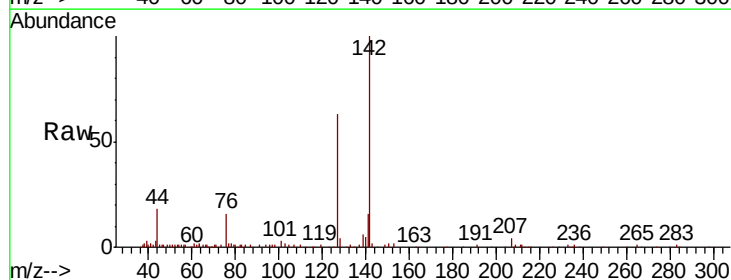
Tgt Ion:142 Resp: 112956

Ion Ratio Lower Upper

142 100

127 63.7 48.4 72.6

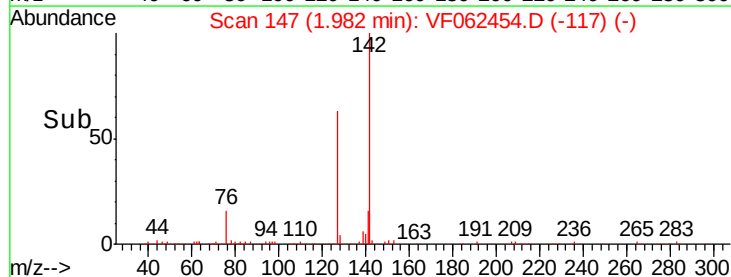
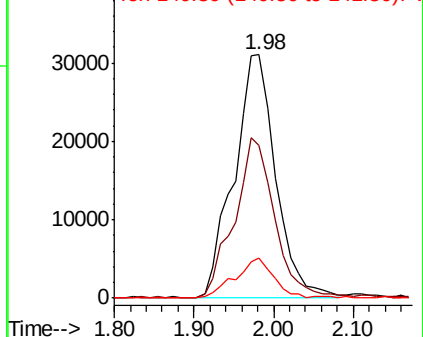
141 15.4 12.2 18.4

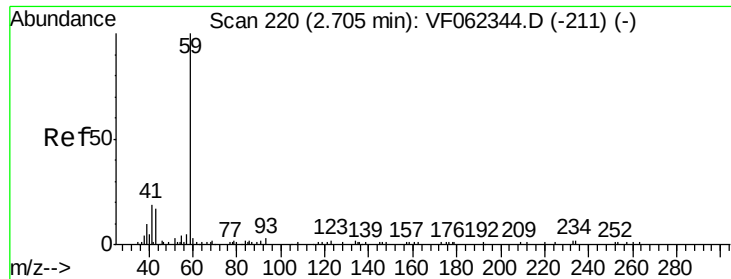


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



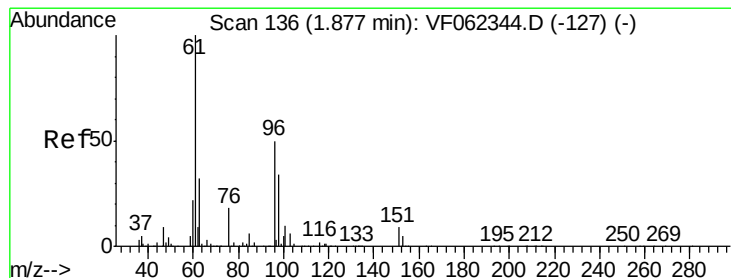
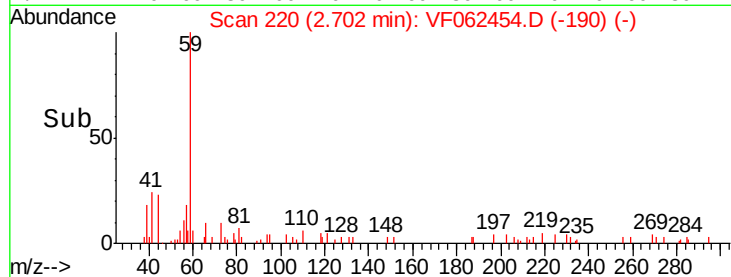
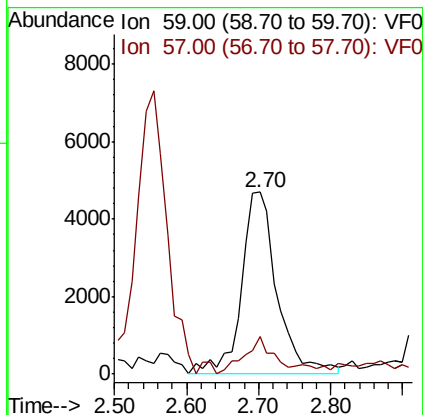
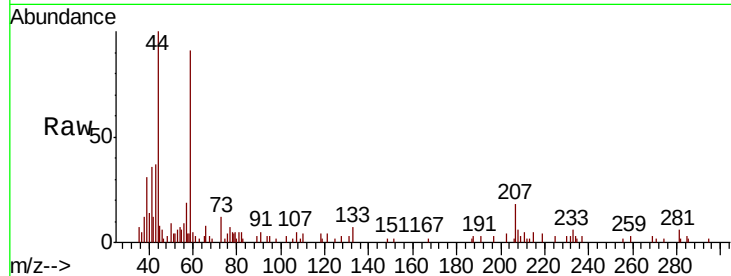


#11

Tert butyl alcohol
 Concen: 97.112 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampled :

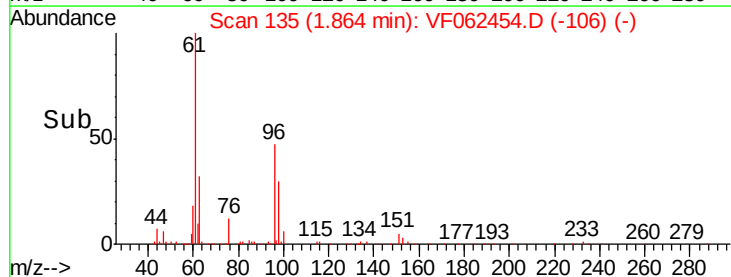
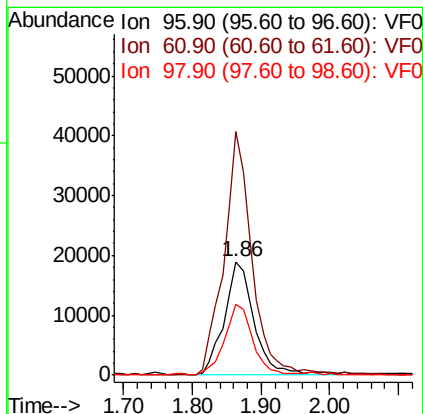
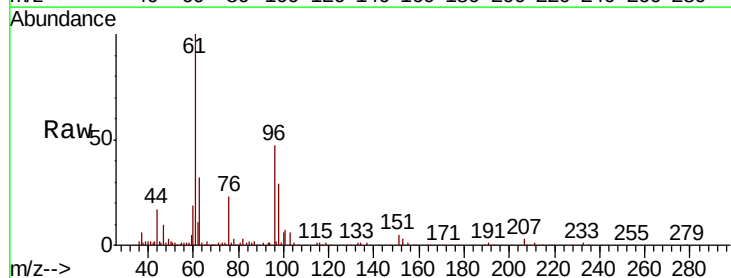
Tot Ion: 59 Resp: 16367
 Ion Ratio Lower Upper
 59 100
 57 16.7 9.3 13.9#

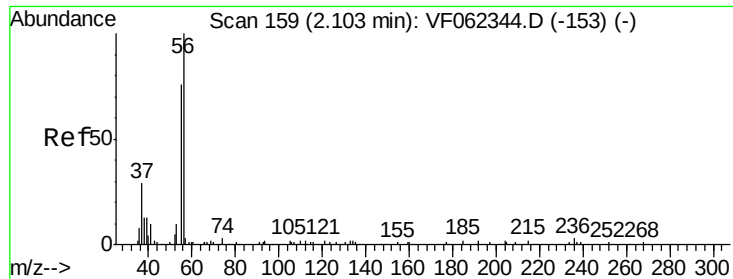


#12

1,1-Dichloroethene
 Concen: 23.727 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 96 Resp: 57403
 Ion Ratio Lower Upper
 96 100
 61 214.4 163.2 244.8
 98 62.0 55.2 82.8





#13

Acrolein

Concen: 101.265 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

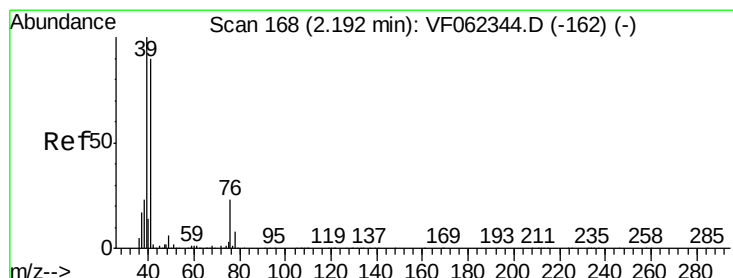
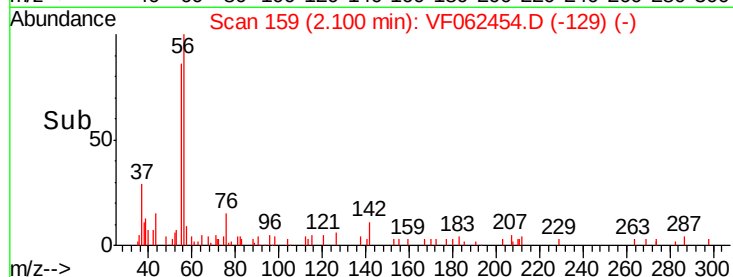
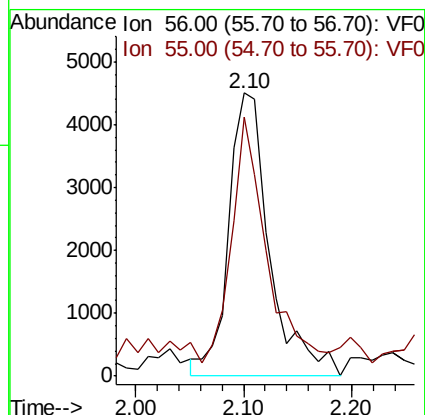
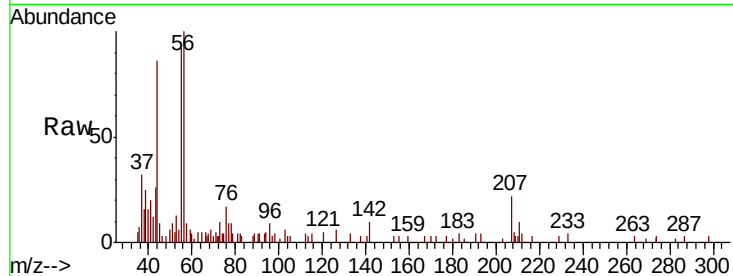
ClientSampleId :

Tot Ion: 56 Resp: 11858

Ion Ratio Lower Upper

56 100

55 73.4 58.4 87.6



#14

Allyl chloride

Concen: 38.637 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

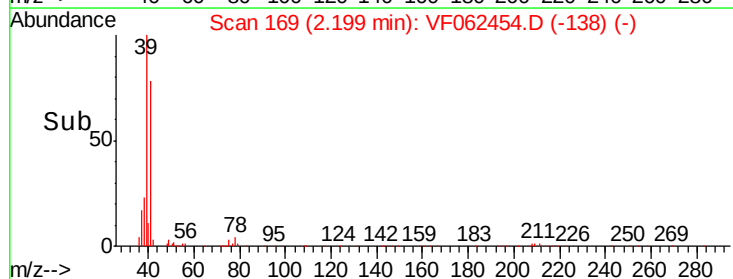
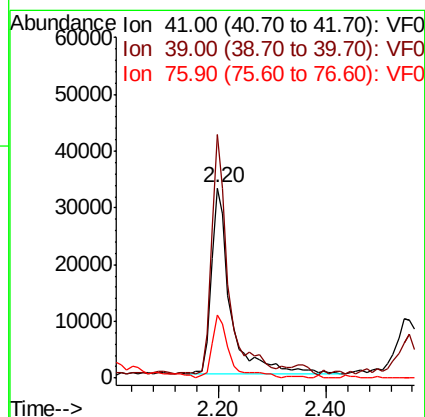
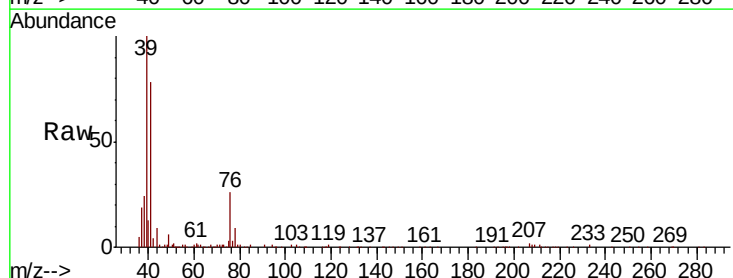
Tgt Ion: 41 Resp: 82570

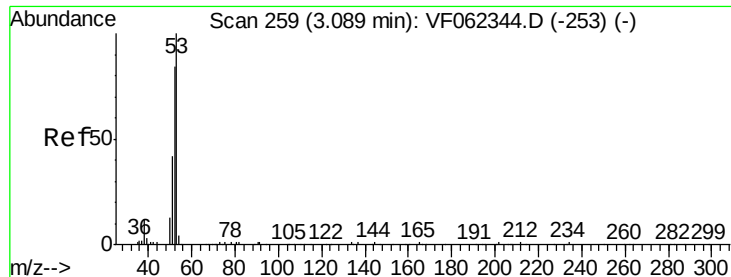
Ion Ratio Lower Upper

41 100

39 109.9 90.8 136.2

76 30.0 22.2 33.4





#15

Acrylonitrile

Concen: 102.091 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

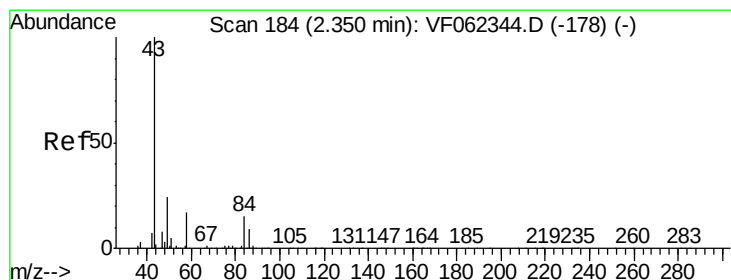
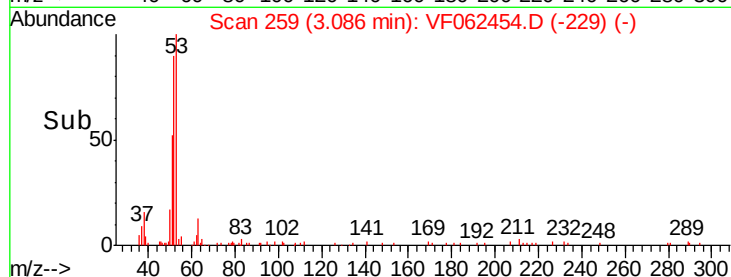
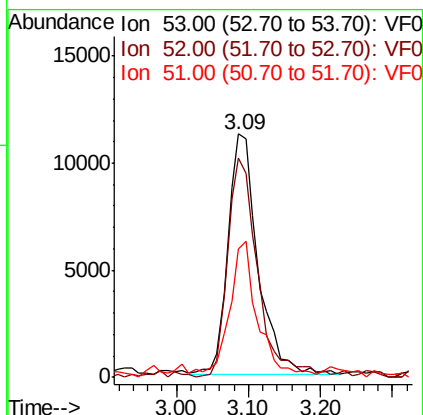
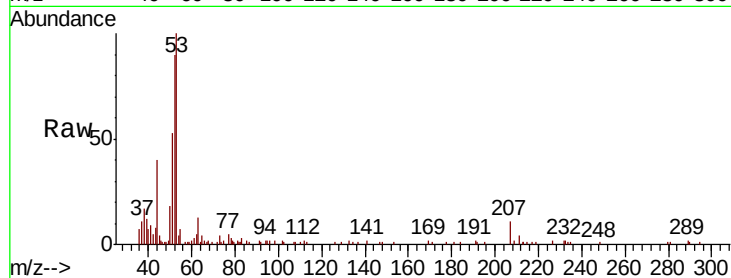
Tot Ion: 53 Resp: 32593

Ion Ratio Lower Upper

53 100

52 91.8 77.2 115.8

51 53.2 40.6 61.0



#16

Acetone

Concen: 110.452 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062454.D

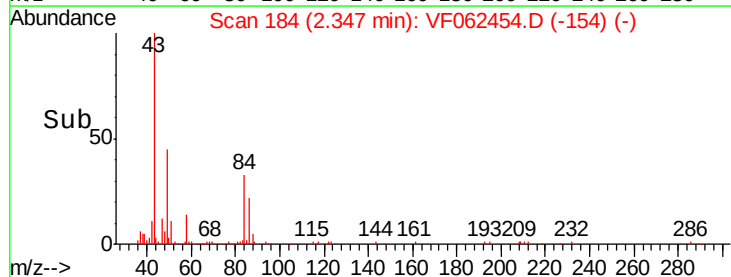
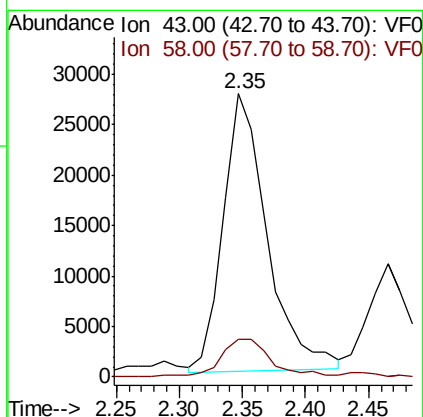
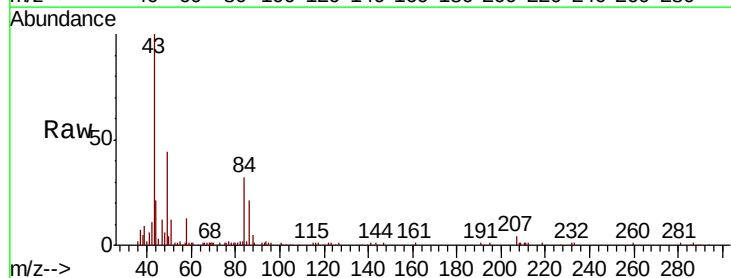
Acq: 11 May 2019 12:28

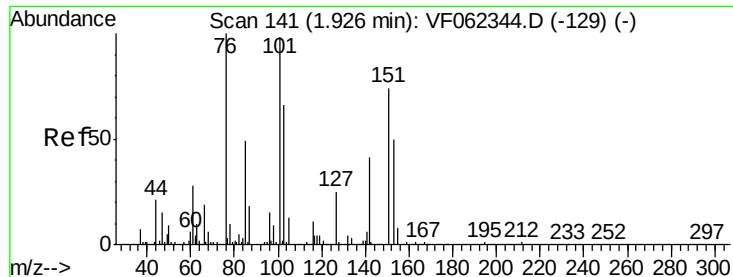
Tgt Ion: 43 Resp: 66630

Ion Ratio Lower Upper

43 100

58 13.3 13.1 19.7





#17

Carbon Disulfide

Concen: 22.767 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

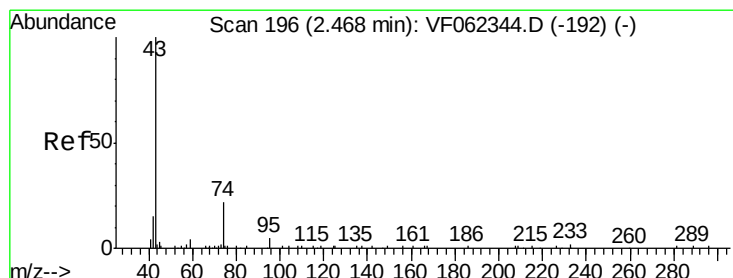
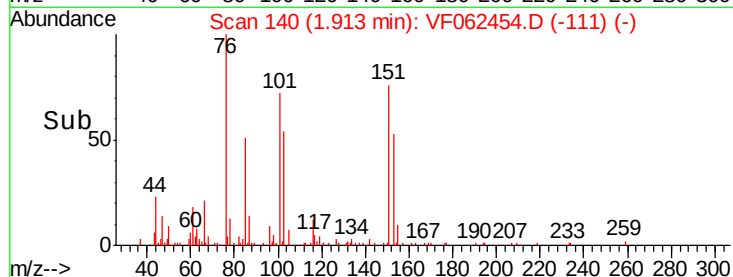
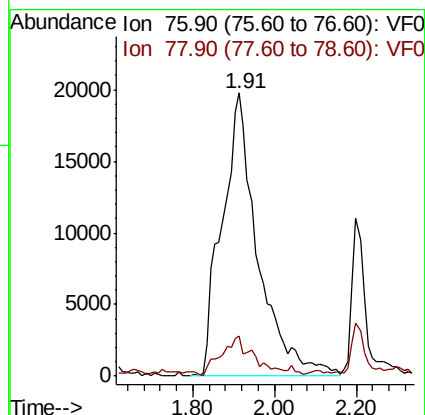
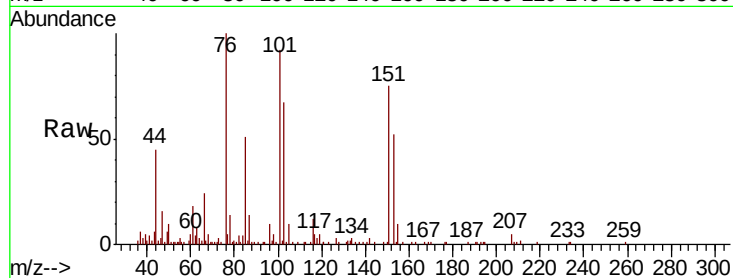
ClientSampleId :

Tot Ion: 76 Resp: 120096

Ion Ratio Lower Upper

76 100

78 13.0 9.0 13.4



#18

Methyl Acetate

Concen: 18.710 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062454.D

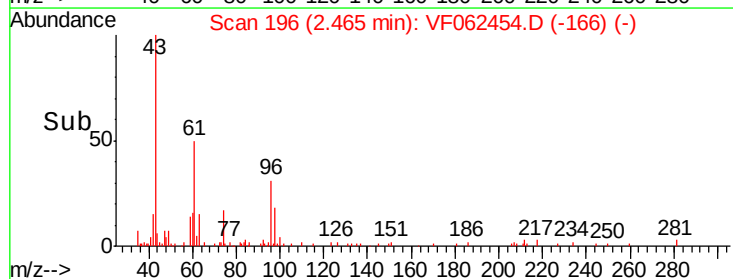
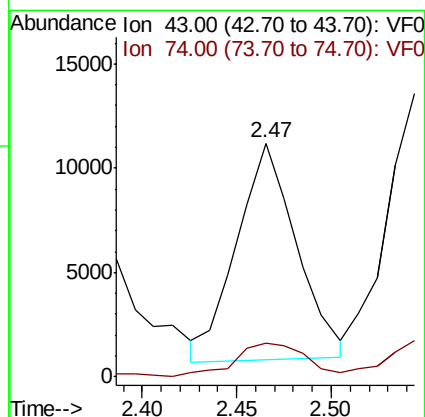
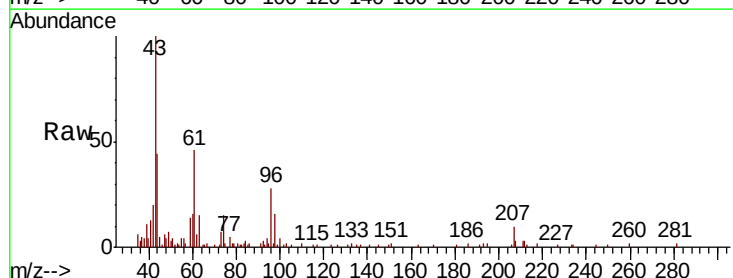
Acq: 11 May 2019 12:28

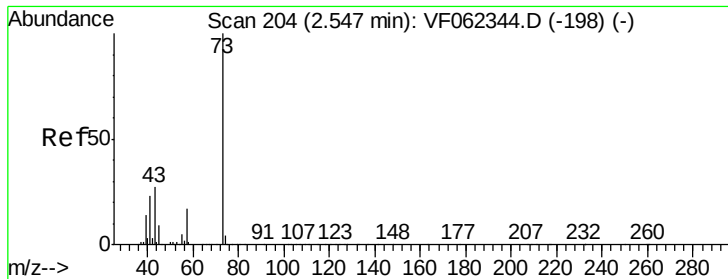
Tgt Ion: 43 Resp: 22740

Ion Ratio Lower Upper

43 100

74 18.7 15.0 22.4

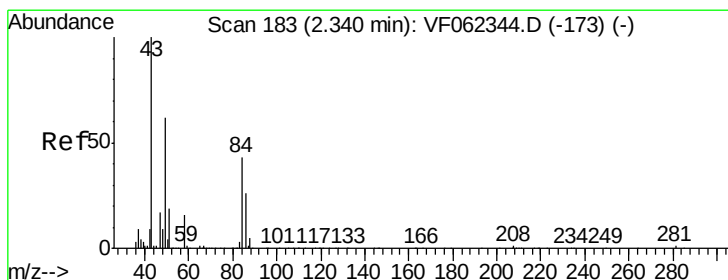
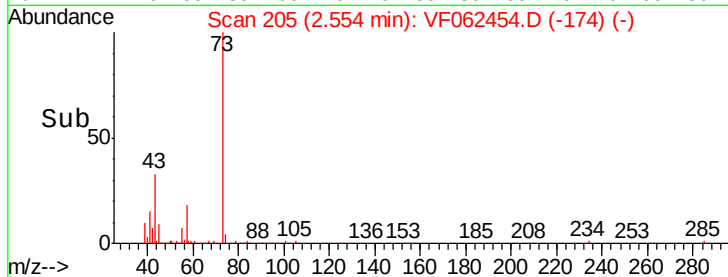
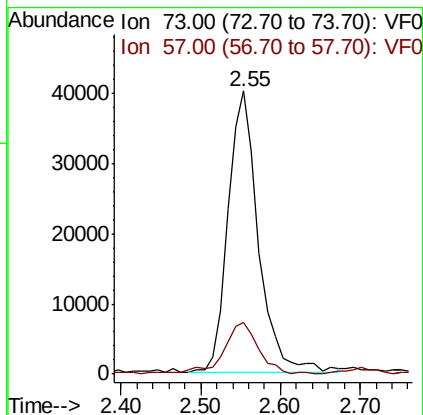
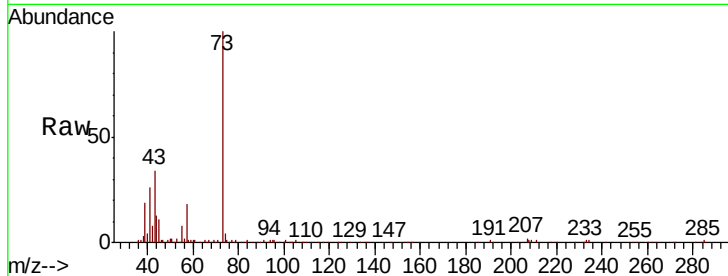




#19
Methyl tert-butyl Ether
Concen: 21.292 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

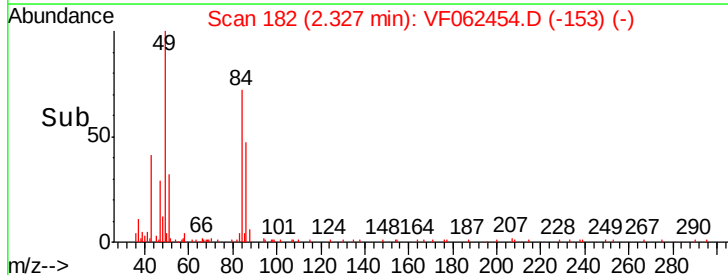
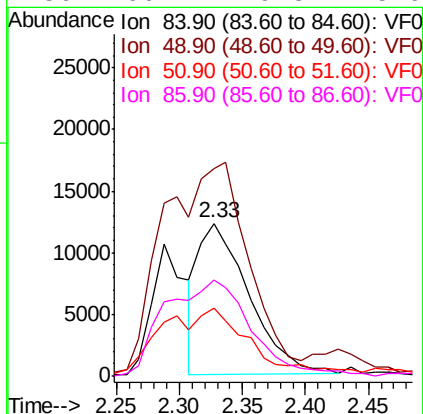
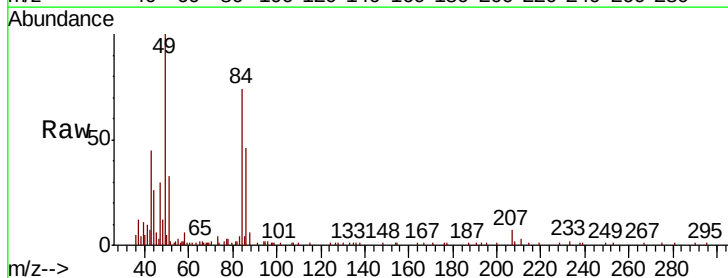
Instrument :
MSVOA_F
ClientSampleId :

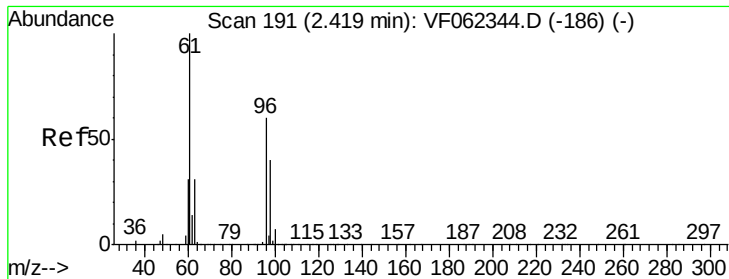
Tot Ion: 73 Resp: 106332
Ion Ratio Lower Upper
73 100
57 17.4 13.7 20.5



#20
Methylene Chloride
Concen: 15.478 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion: 84 Resp: 33781
Ion Ratio Lower Upper
84 100
49 120.6 117.5 176.3
51 41.6 37.0 55.4
86 60.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.802 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :

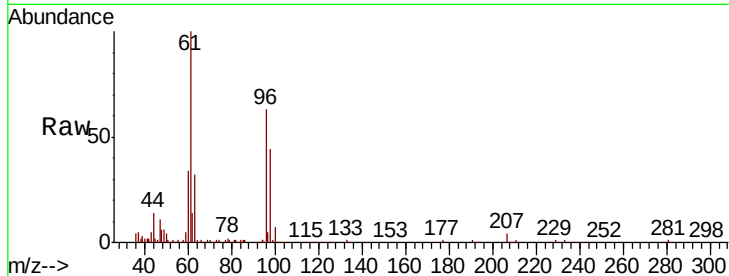
Tot Ion: 96 Resp: 50252

Ion Ratio Lower Upper

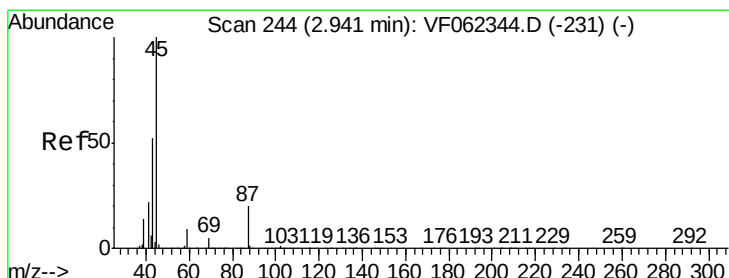
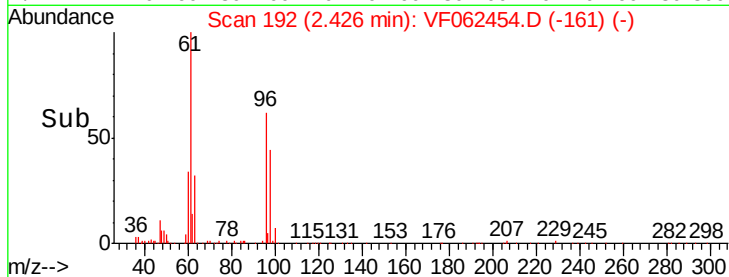
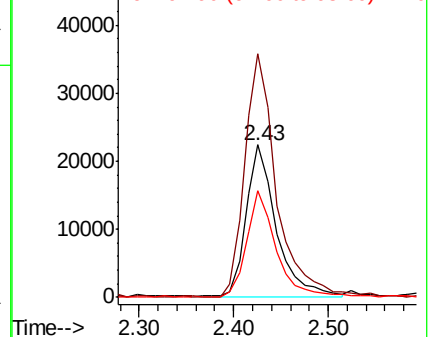
96 100

61 158.8 133.2 199.8

98 69.8 53.1 79.7



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



#22

Diisopropyl ether

Concen: 22.264 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Tgt Ion: 45 Resp: 148705

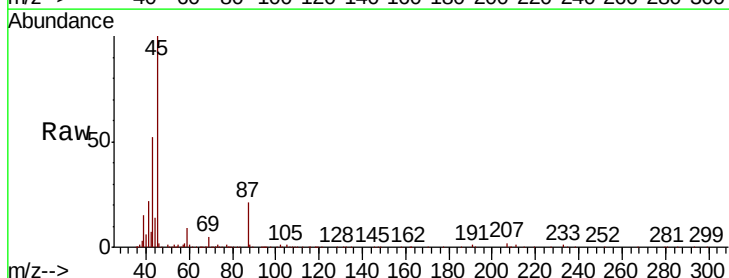
Ion Ratio Lower Upper

45 100

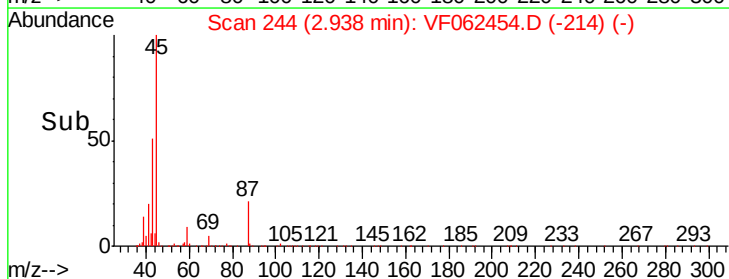
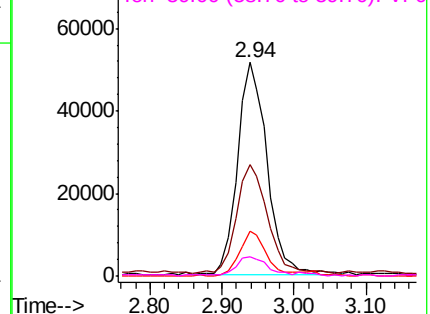
43 50.6 41.4 62.0

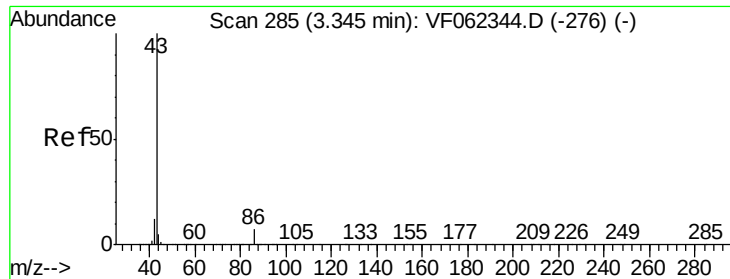
87 21.1 15.8 23.6

59 9.2 7.2 10.8



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0

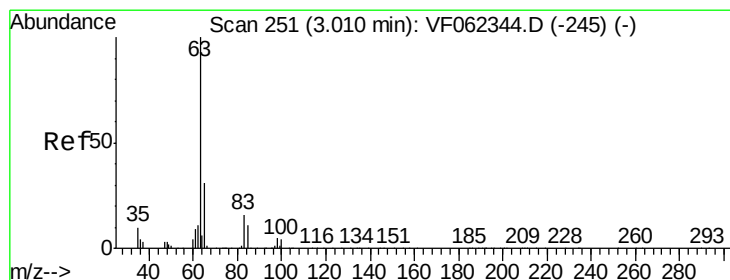
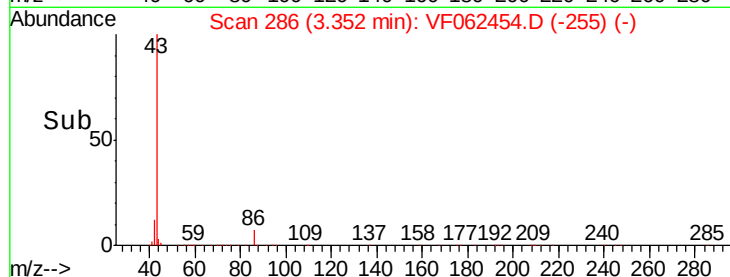
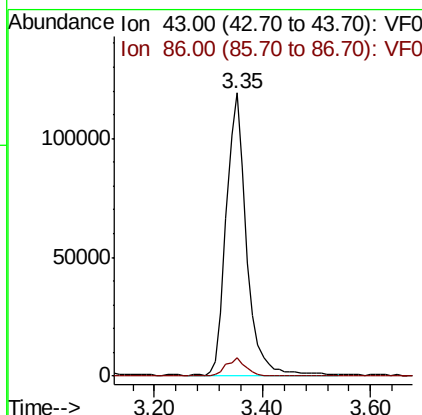
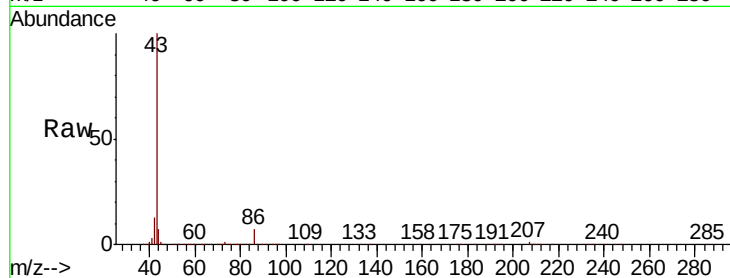




#23
 Vinyl Acetate
 Concen: 103.525 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

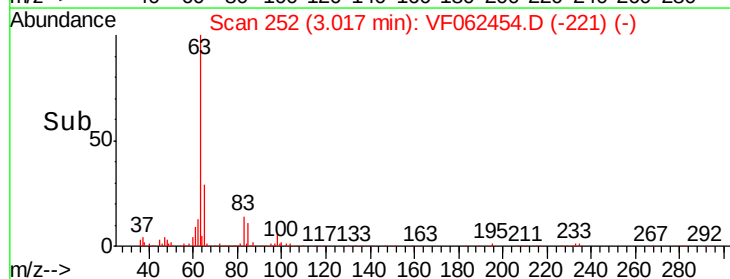
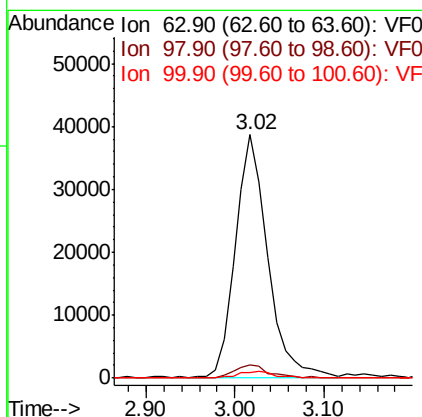
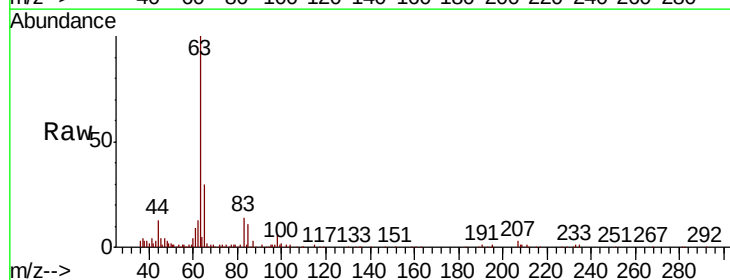
Instrument :
 MSVOA_F
 ClientSampled :

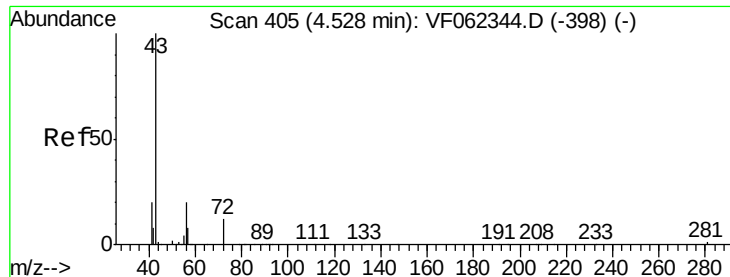
Tot Ion: 43 Resp: 308182
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 23.979 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 63 Resp: 96798
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.6 8.0
 100 2.4 1.8 5.4





#25

2-Butanone

Concen: 104.263 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

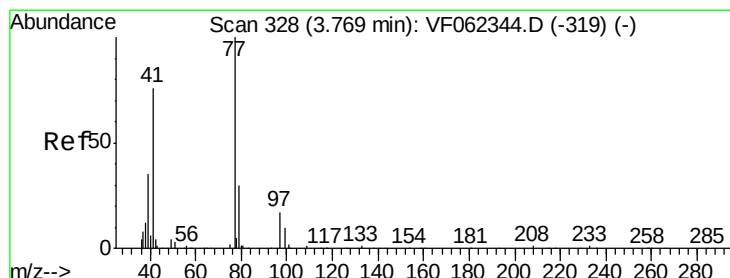
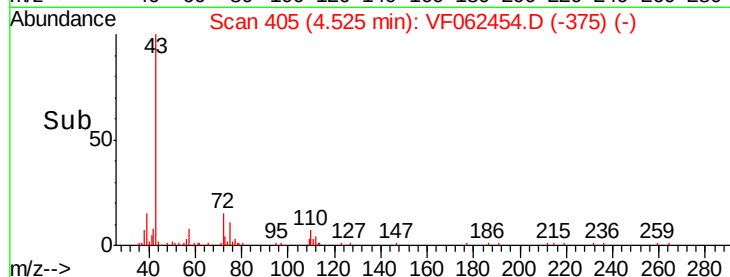
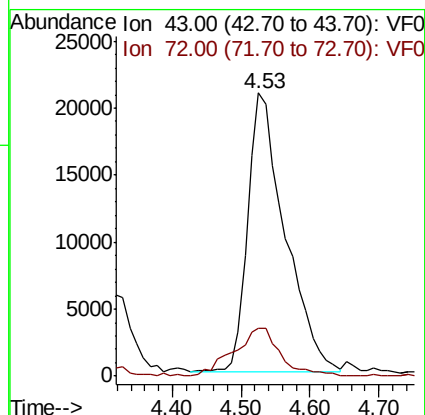
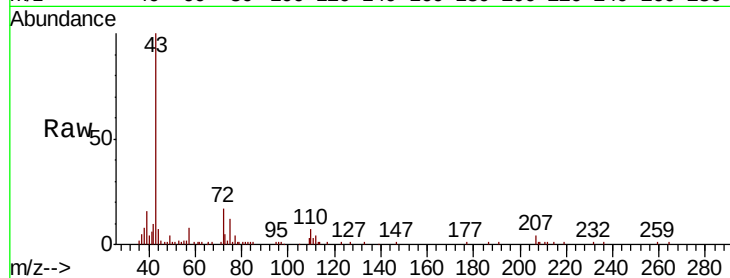
ClientSampleId :

Tot Ion: 43 Resp: 79018

Ion Ratio Lower Upper

43 100

72 17.3 14.2 21.4



#26

2,2-Dichloropropane

Concen: 28.207 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF062454.D

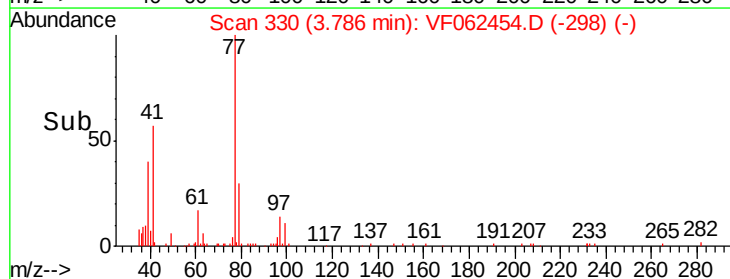
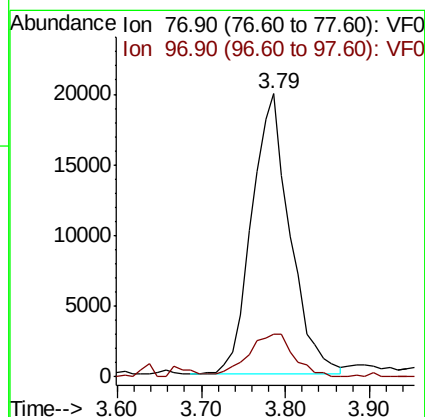
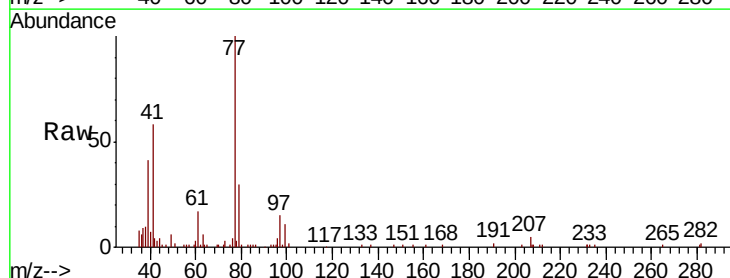
Acq: 11 May 2019 12:28

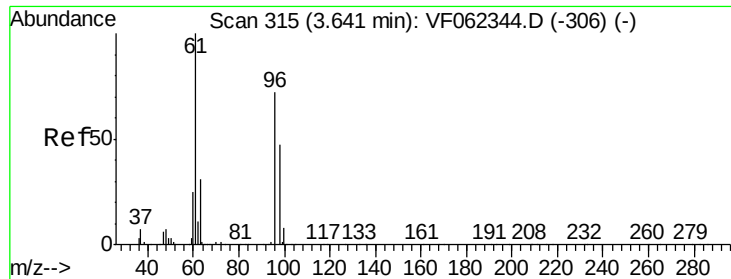
Tgt Ion: 77 Resp: 63588

Ion Ratio Lower Upper

77 100

97 18.2 9.5 28.5



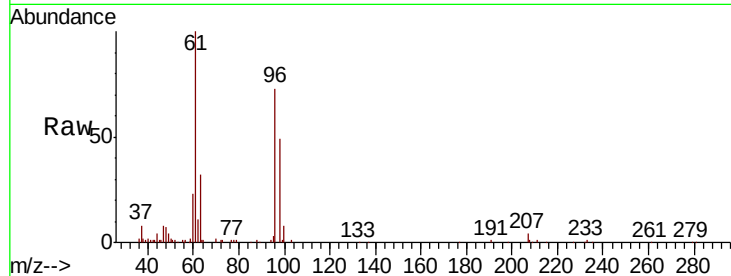


#27

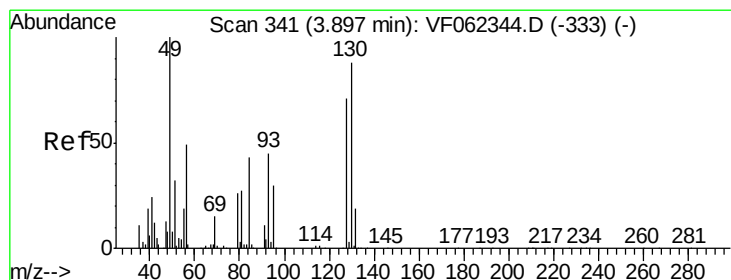
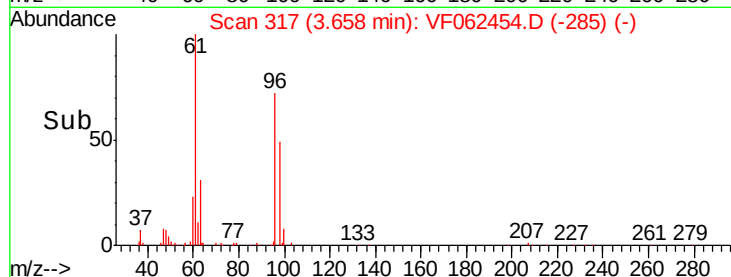
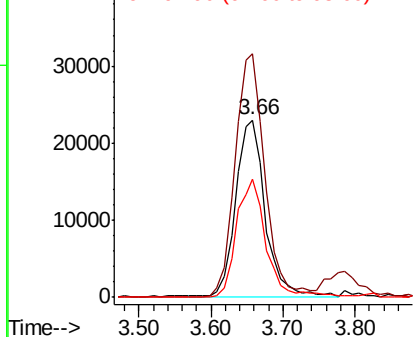
cis-1,2-Dichloroethene
Concen: 22.922 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 66044
Ion Ratio Lower Upper
96 100
61 137.5 0.0 263.0
98 66.6 0.0 130.8



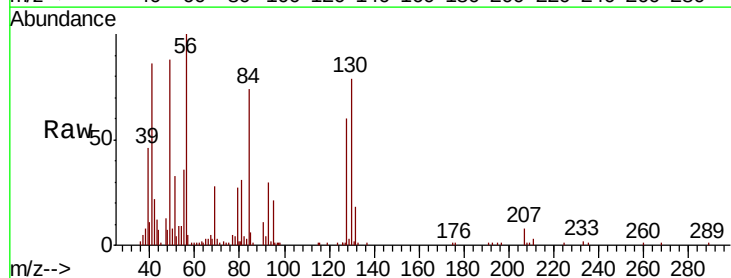
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



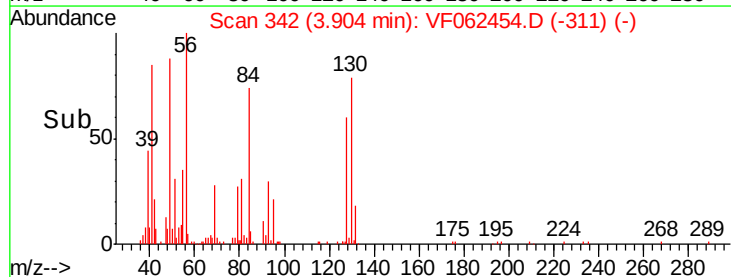
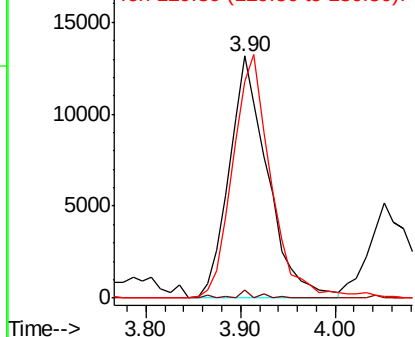
#28

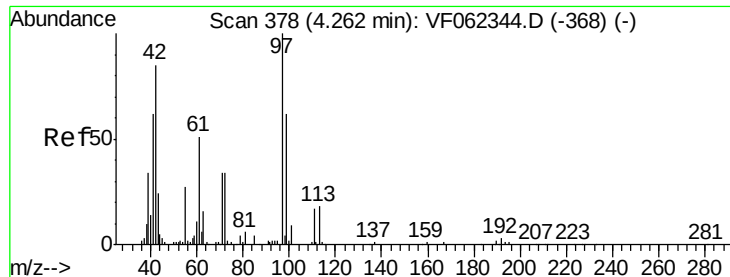
Bromochloromethane
Concen: 20.305 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion: 49 Resp: 37174
Ion Ratio Lower Upper
49 100
129 1.5 0.0 2.2
130 99.3 79.4 119.0



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





#29

Tetrahydrofuran

Concen: 92.479 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampled :

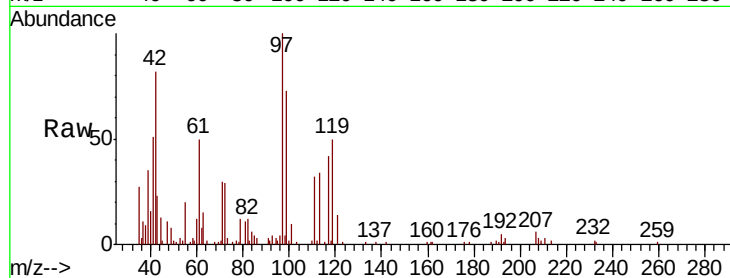
Tot Ion: 42 Resp: 32212

Ion Ratio Lower Upper

42 100

72 38.5 31.4 47.0

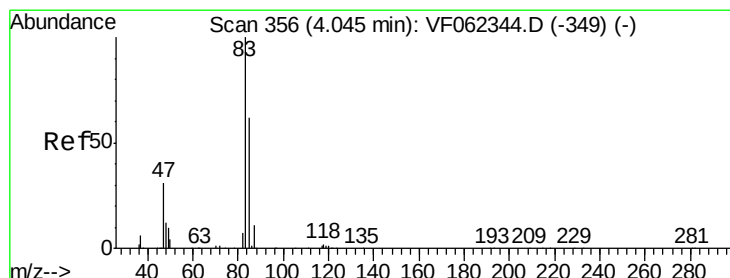
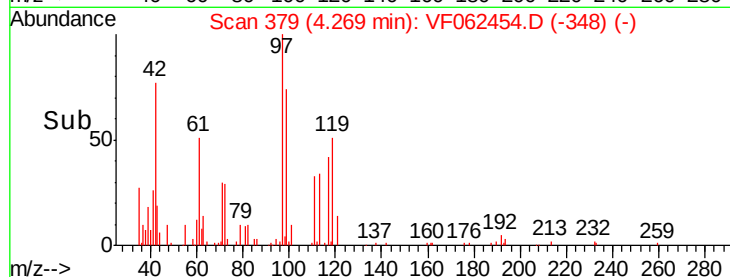
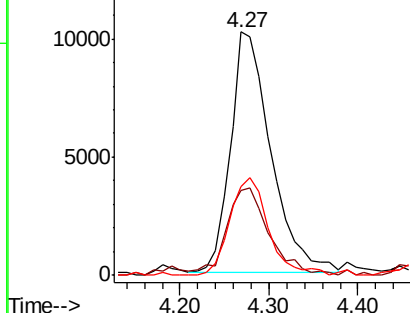
71 38.8 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 24.556 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF062454.D

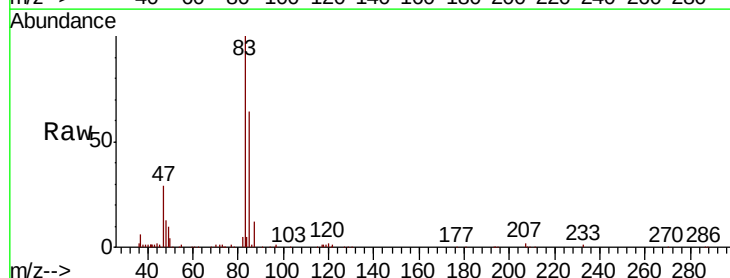
Acq: 11 May 2019 12:28

Tgt Ion: 83 Resp: 133920

Ion Ratio Lower Upper

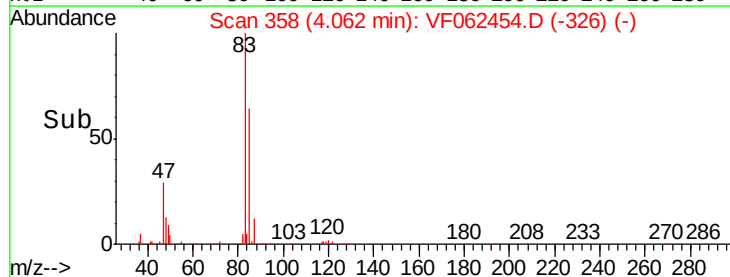
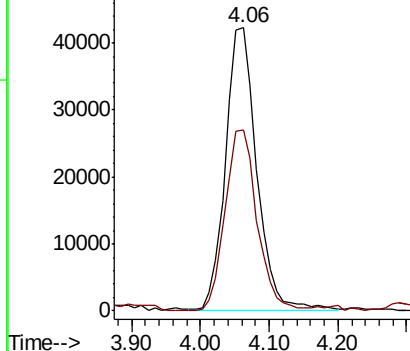
83 100

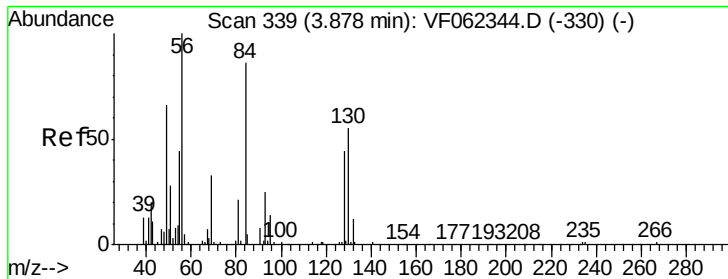
85 64.0 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

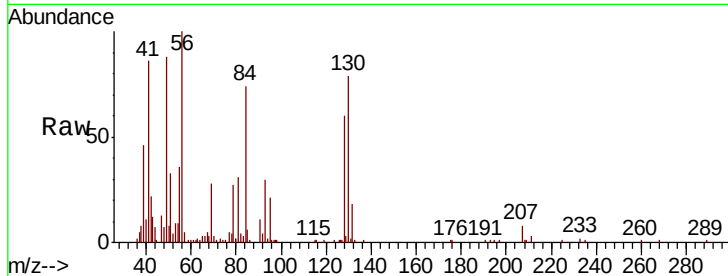




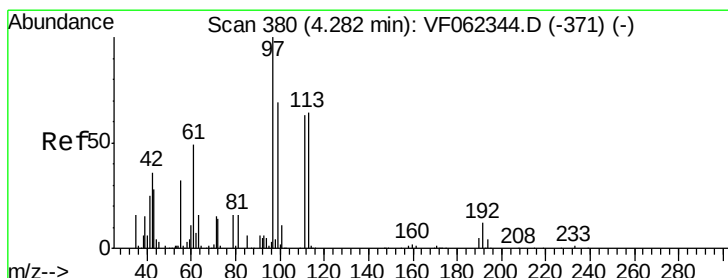
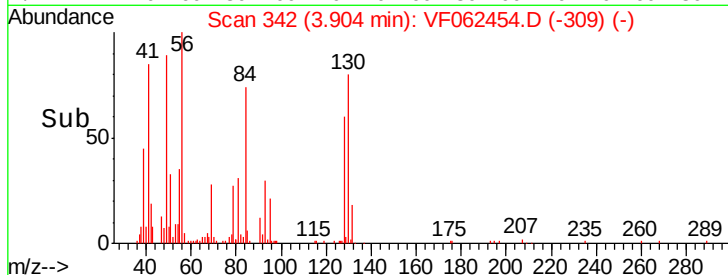
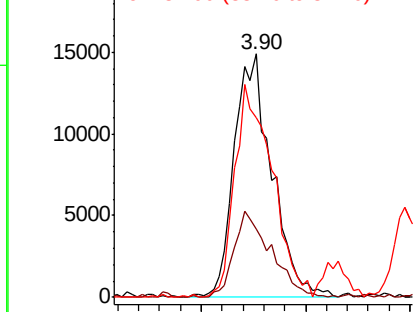
#31
Cyclohexane
Concen: 22.620 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 72884
Ion Ratio Lower Upper
56 100
69 28.1 26.4 39.6
84 73.5 69.0 103.6

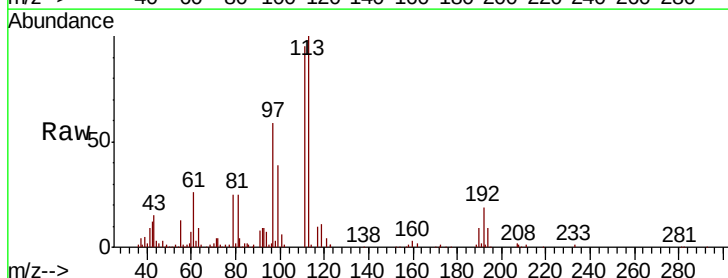


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

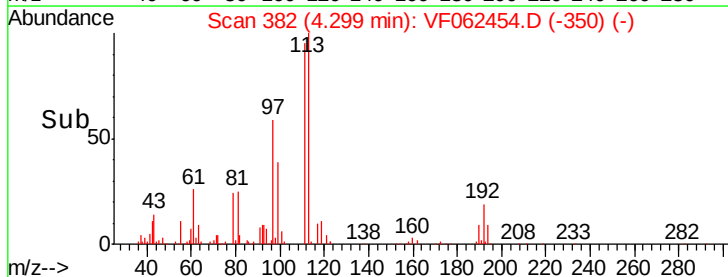
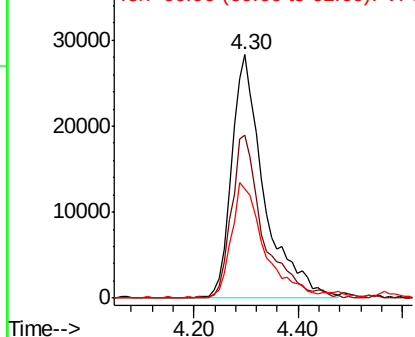


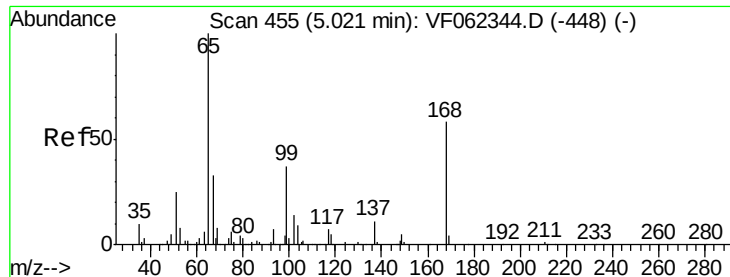
#32
1,1,1-Trichloroethane
Concen: 25.687 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion: 97 Resp: 120066
Ion Ratio Lower Upper
97 100
99 65.5 52.6 78.8
61 47.8 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

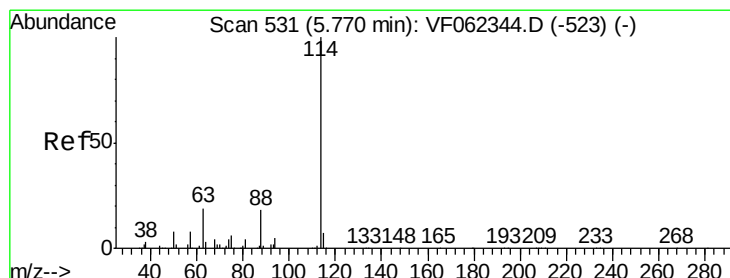
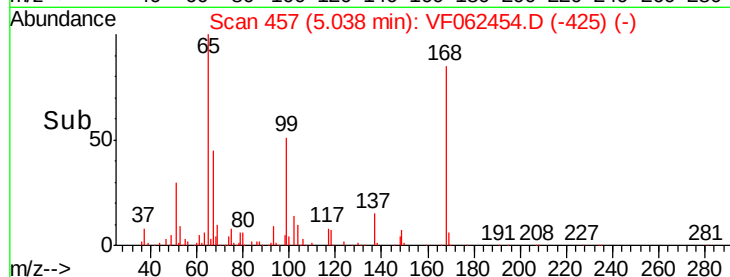
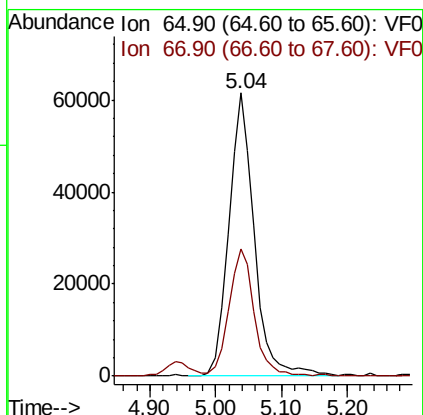
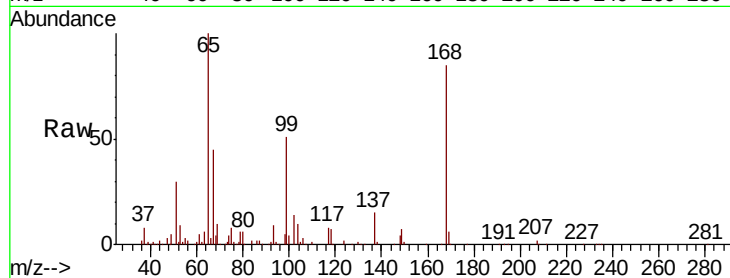




#33
 1,2-Dichloroethane-d4
 Concen: 55.265 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

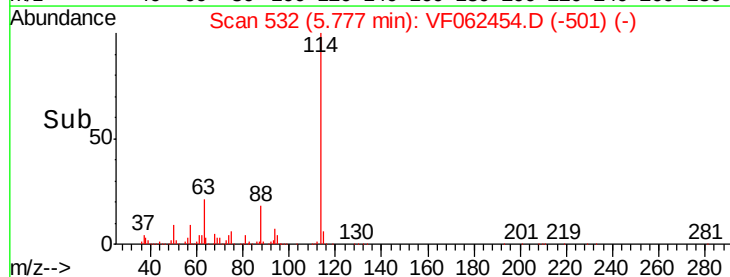
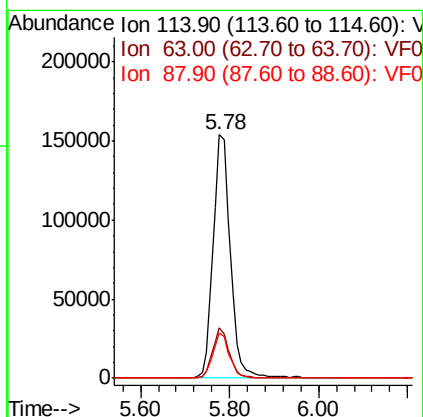
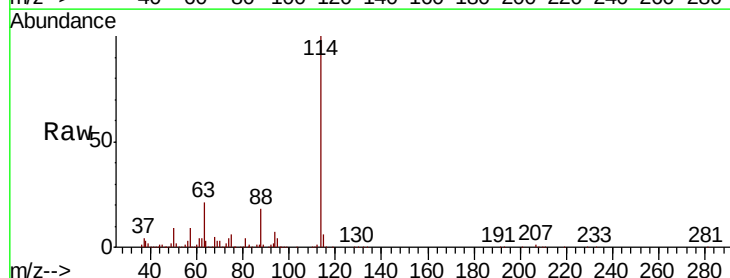
Instrument :
 MSVOA_F
 ClientSampleId :

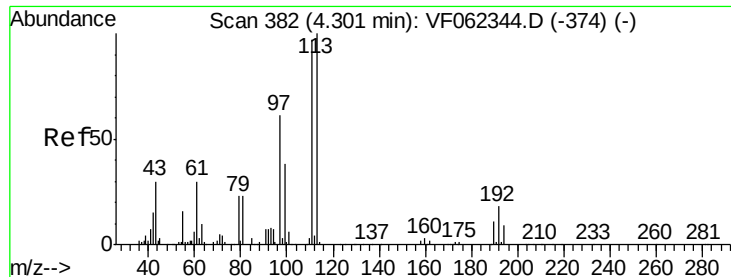
Tot Ion: 65 Resp: 164804
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 114 Resp: 412846
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 18.4 0.0 36.4

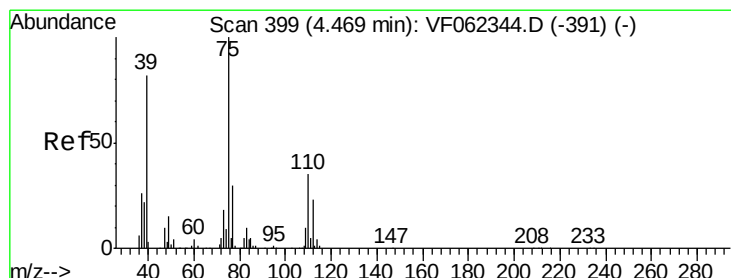
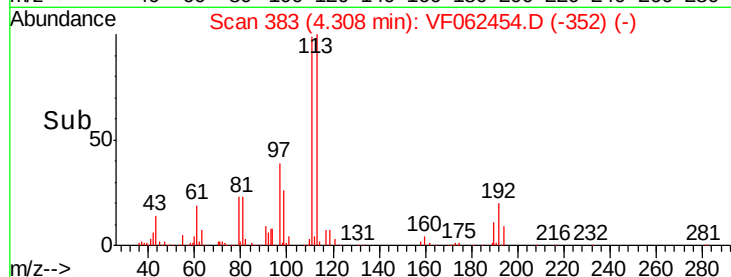
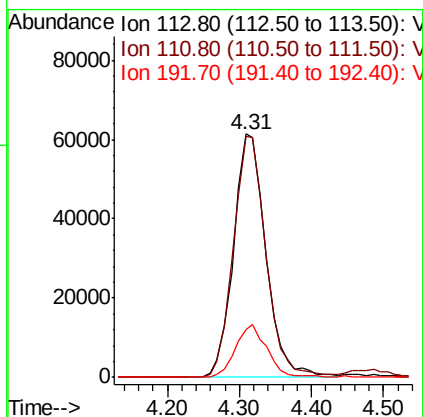
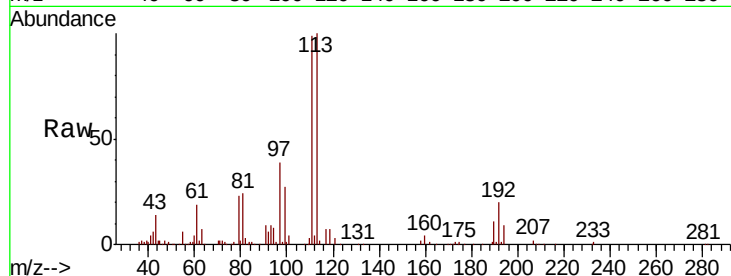




#35
 Dibromofluoromethane
 Concen: 58.732 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

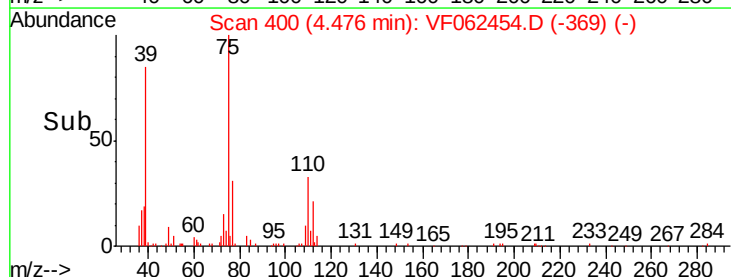
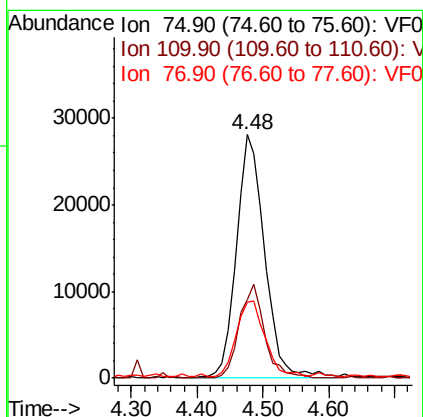
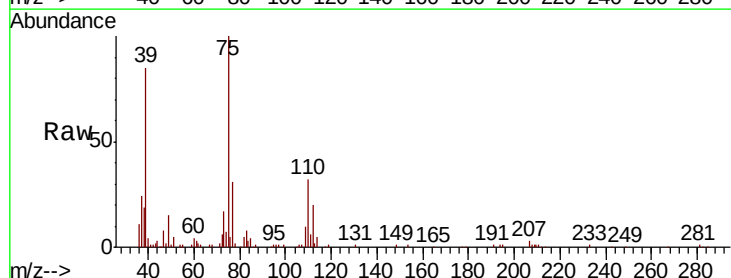
Instrument :
 MSVOA_F
 ClientSampleId :

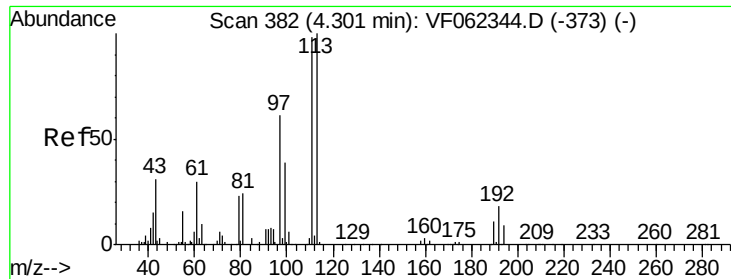
Tot Ion:113 Resp: 193174
 Ion Ratio Lower Upper
 113 100
 111 99.3 79.4 119.0
 192 20.9 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 24.015 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 75 Resp: 85168
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.2 51.5
 77 31.1 25.2 37.8

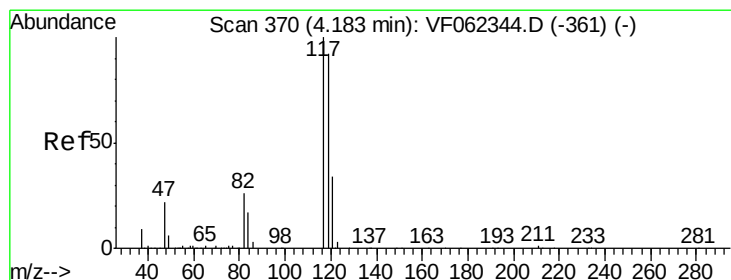
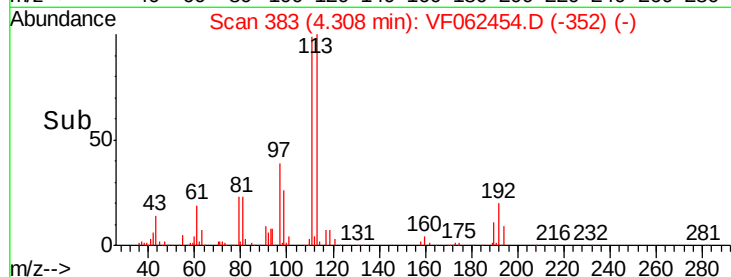
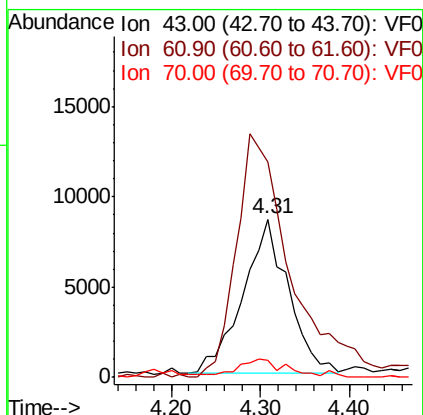
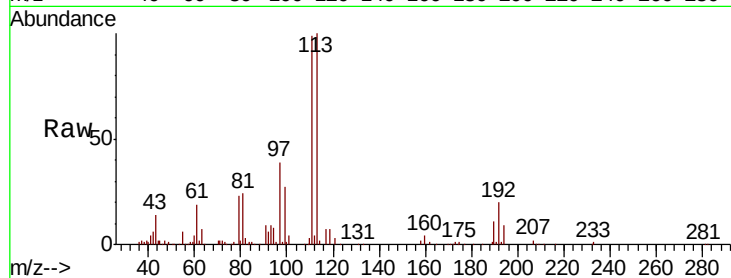




#37
Ethyl Acetate
Concen: 18.723 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

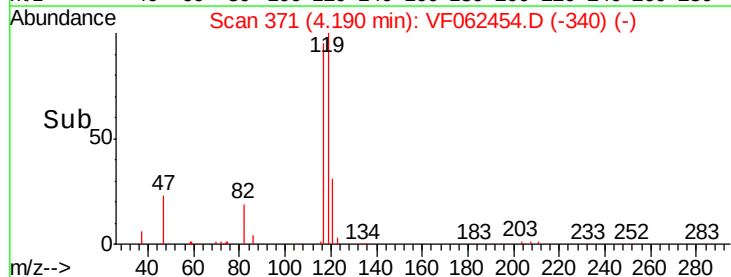
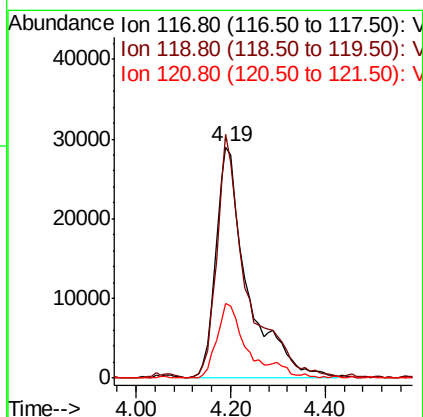
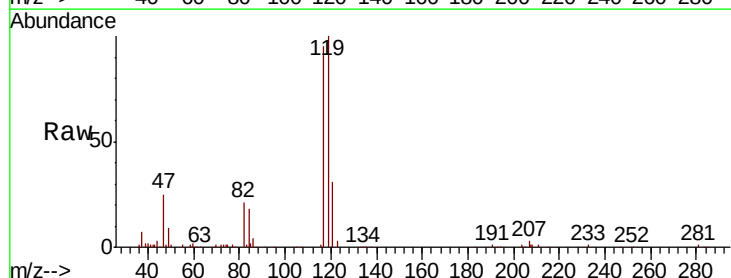
Instrument :
MSVOA_F
ClientSampleId :

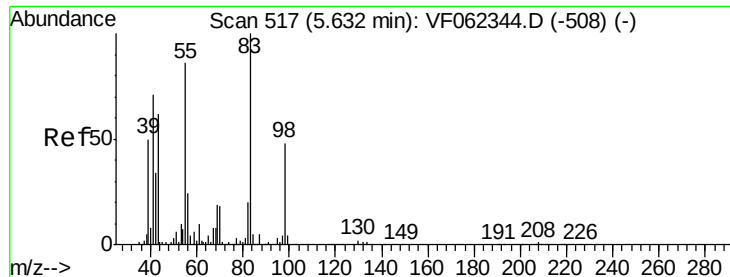
Tot Ion: 43 Resp: 30409
Ion Ratio Lower Upper
43 100
61 188.8 0.0 0.0#
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 35.974 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion:117 Resp: 135201
Ion Ratio Lower Upper
117 100
119 104.8 73.4 110.2
121 32.1 27.4 41.0

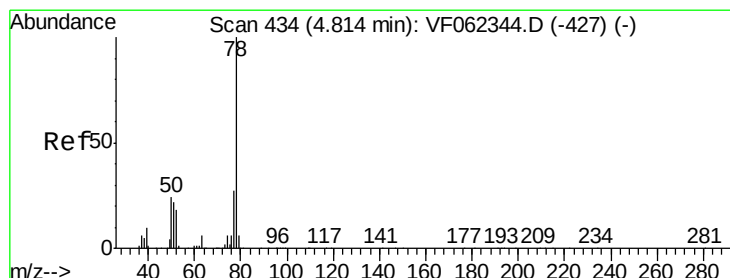
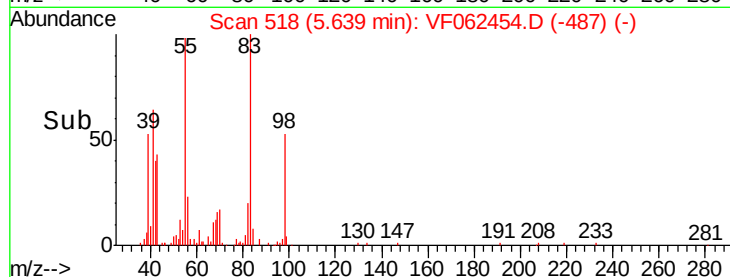
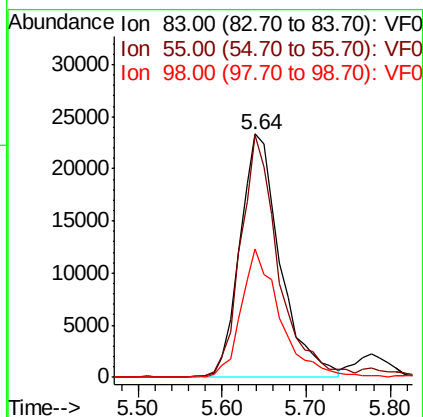
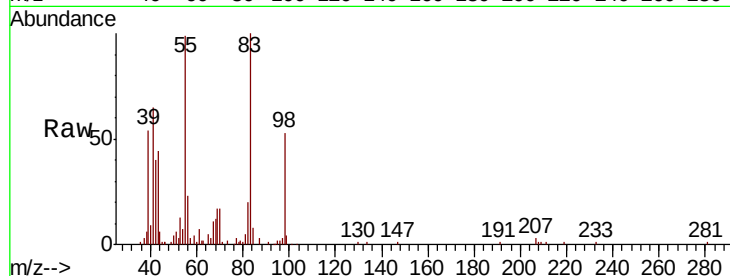




#39
Methylvlcyclohexane
Concen: 21.966 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

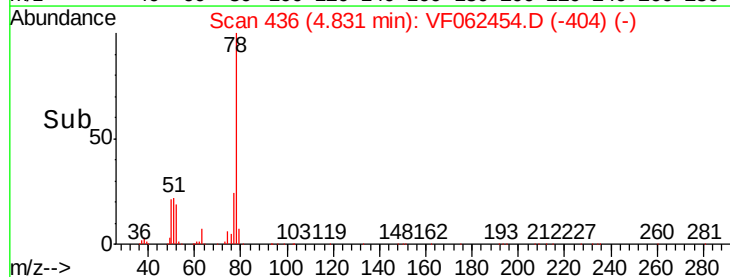
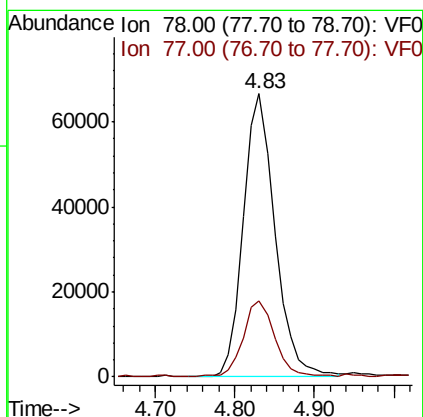
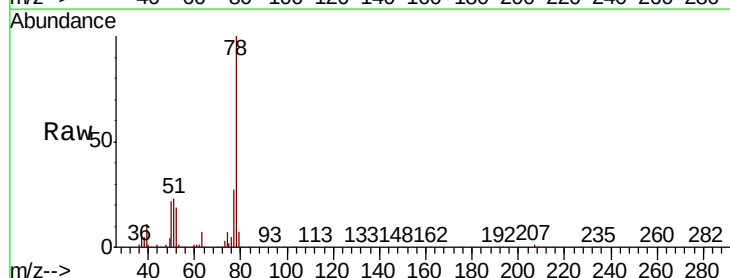
Instrument :
MSVOA_F
ClientSampleId :

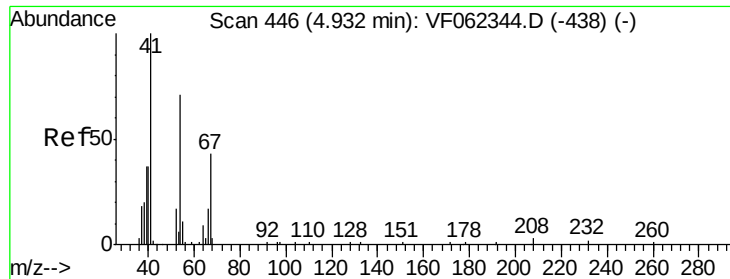
Tot Ion: 83 Resp: 78128
Ion Ratio Lower Upper
83 100
55 99.4 69.0 103.6
98 53.0 38.6 58.0



#40
Benzene
Concen: 23.363 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion: 78 Resp: 182457
Ion Ratio Lower Upper
78 100
77 26.9 21.6 32.4





#41

Methacrylonitrile

Concen: 20.951 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 17816

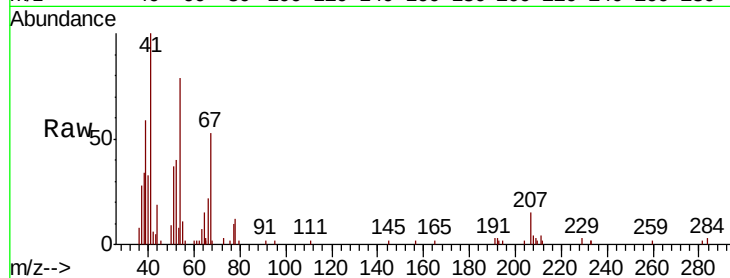
Ion Ratio Lower Upper

41 100

39 59.0 54.3 81.5

67 47.3 37.8 56.8

52 62.7 58.2 87.4

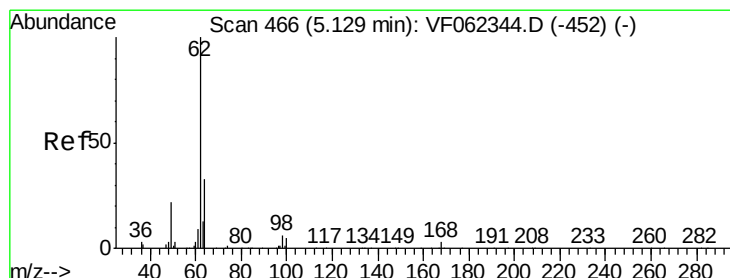
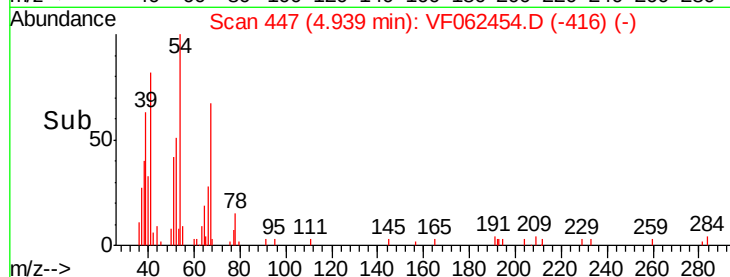
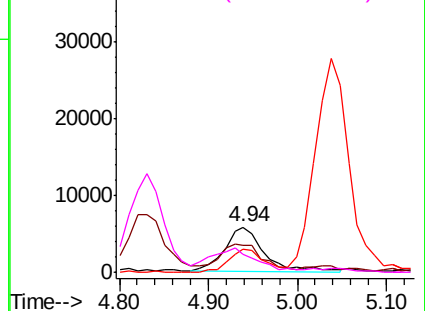


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.272 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF062454.D

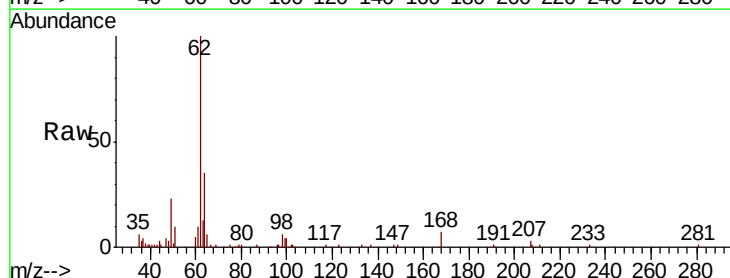
Acq: 11 May 2019 12:28

Tgt Ion: 62 Resp: 76013

Ion Ratio Lower Upper

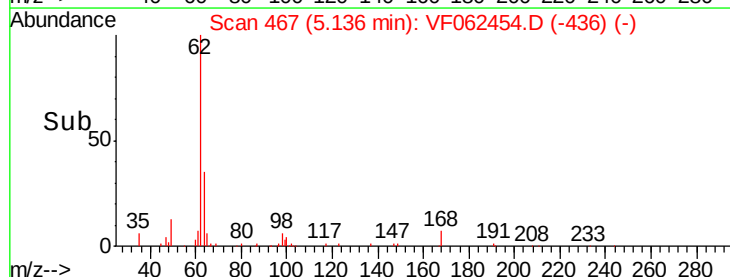
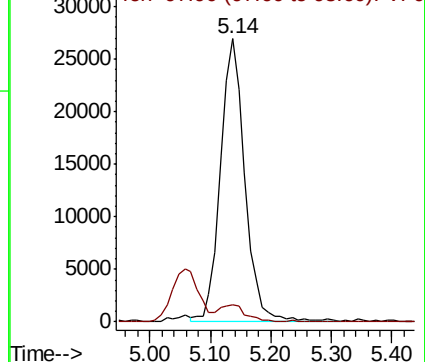
62 100

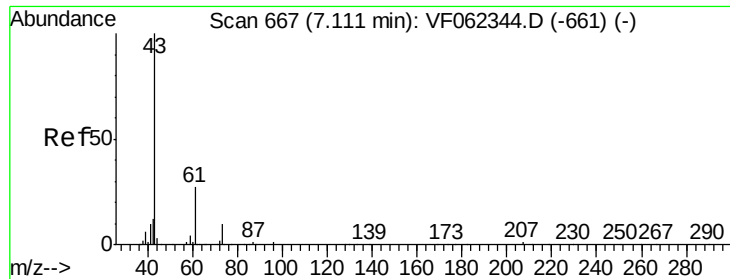
98 6.3 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



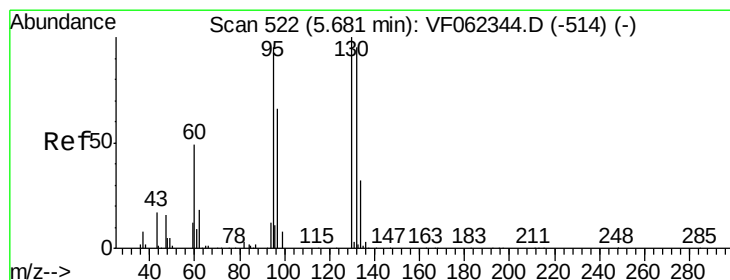
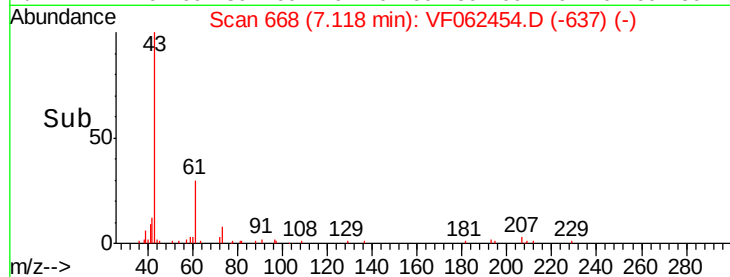
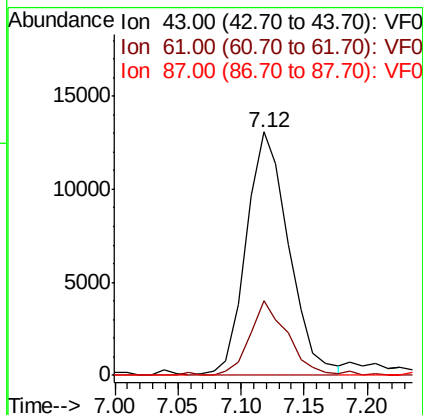
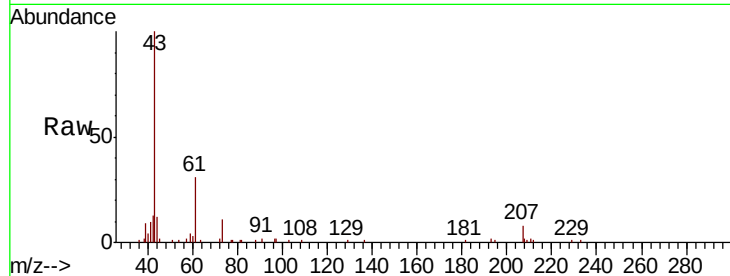


#43

Isopropyl Acetate
 Concen: 19.023 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :

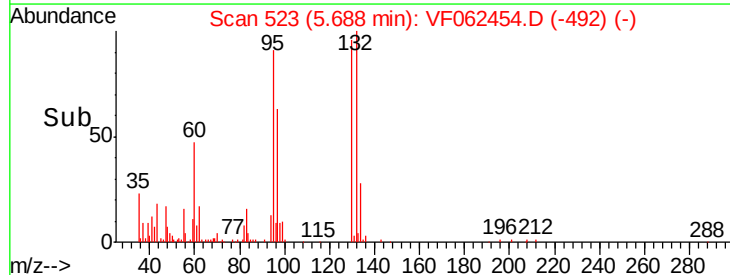
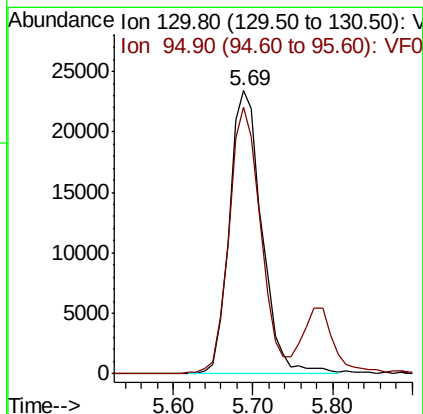
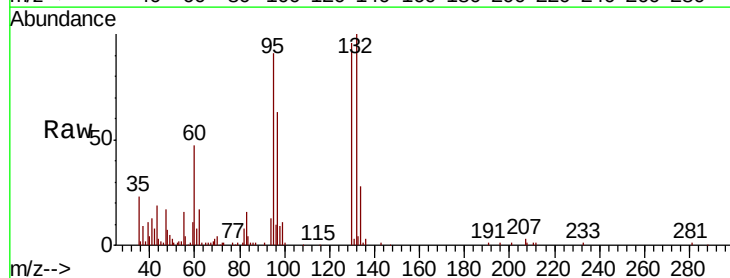
Tot Ion: 43 Resp: 30686
 Ion Ratio Lower Upper
 43 100
 61 27.7 22.8 34.2
 87 0.0 0.6 1.0#

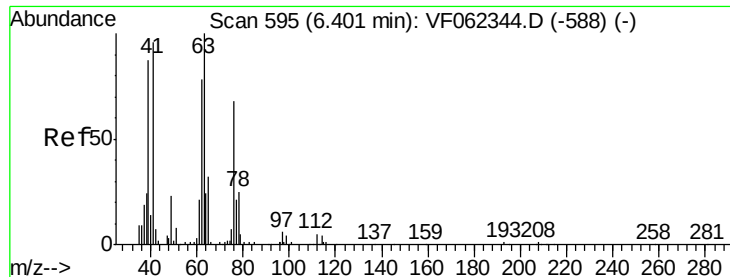


#44

Trichloroethene
 Concen: 23.183 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 130 Resp: 66509
 Ion Ratio Lower Upper
 130 100
 95 93.6 0.0 189.0





#45

1,2-Dichloropropane

Concen: 22.500 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

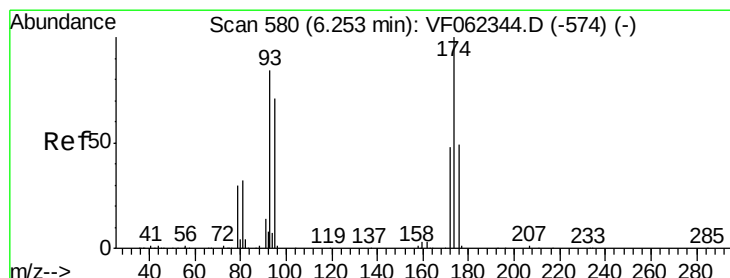
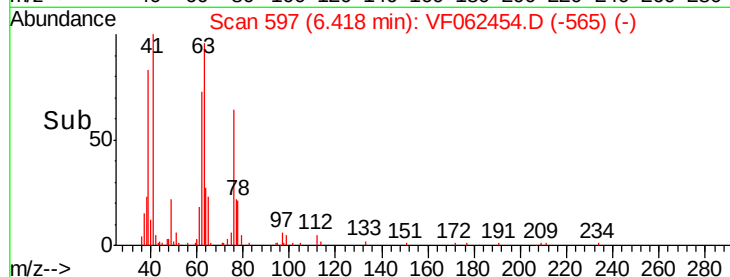
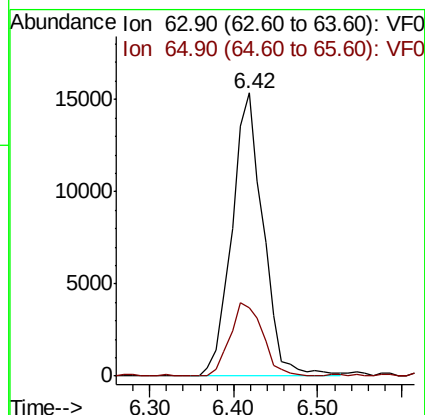
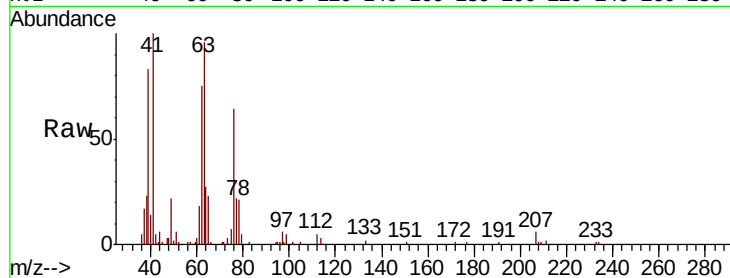
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 39801

Ion Ratio Lower Upper

63 100

65 24.2 25.6 38.4#



#46

Dibromomethane

Concen: 22.550 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

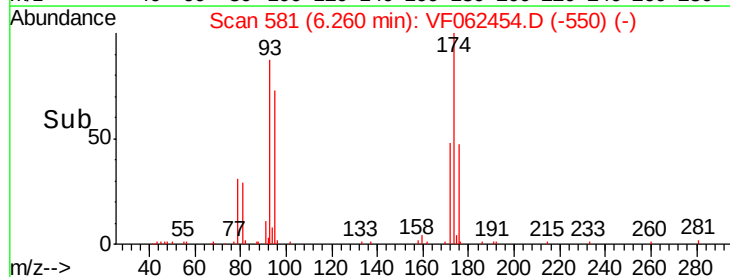
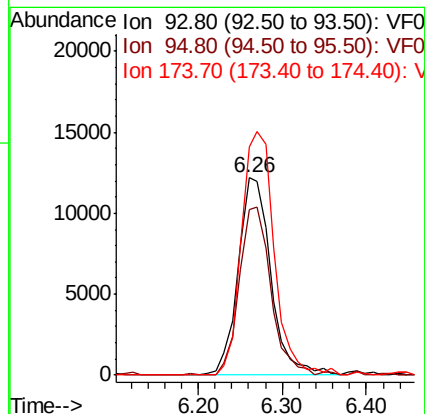
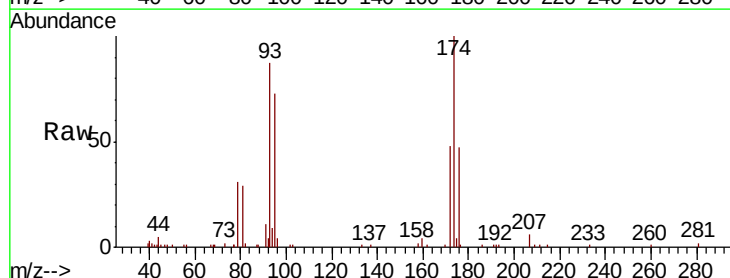
Tgt Ion: 93 Resp: 33073

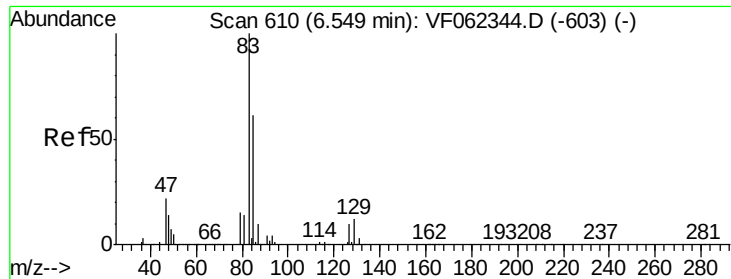
Ion Ratio Lower Upper

93 100

95 82.5 68.4 102.6

174 123.7 99.6 149.4





#47

Bromodichloromethane

Concen: 22.792 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :

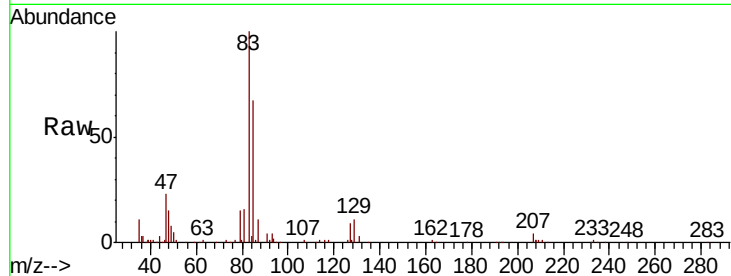
Tot Ion: 83 Resp: 83574

Ion Ratio Lower Upper

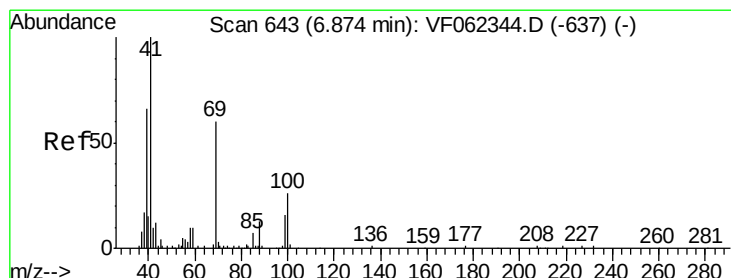
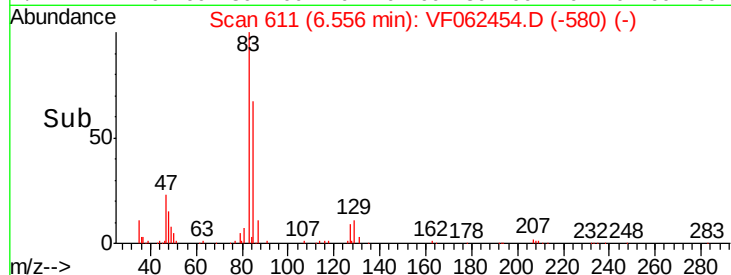
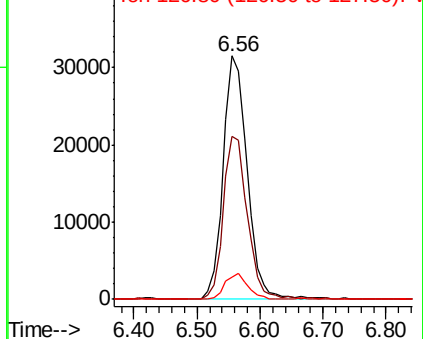
83 100

85 67.2 49.1 73.7

127 9.0 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.185 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

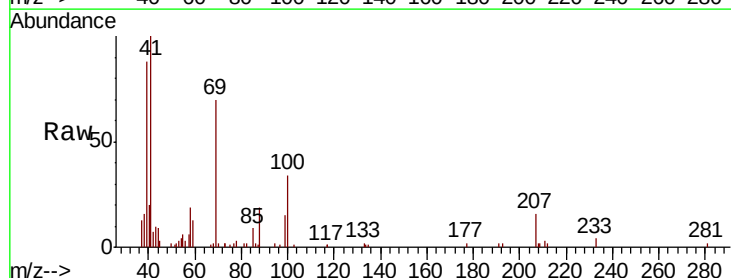
Tgt Ion: 41 Resp: 21870

Ion Ratio Lower Upper

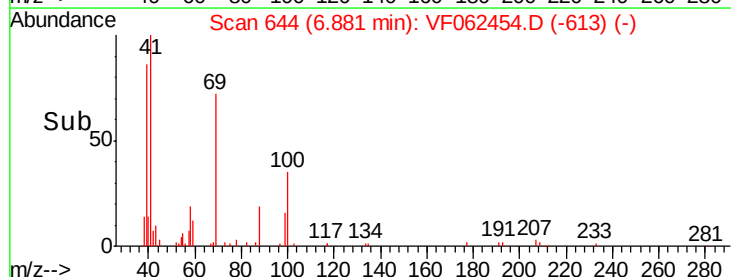
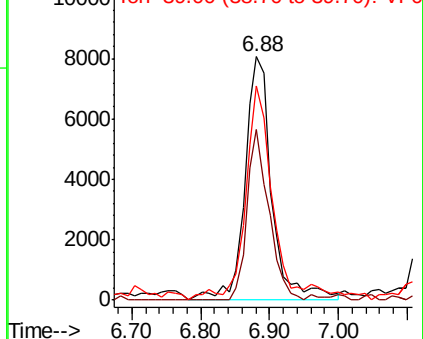
41 100

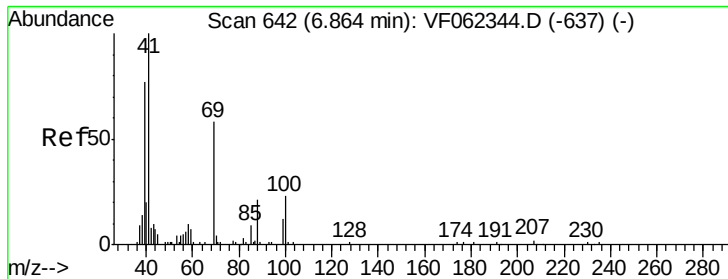
69 56.6 48.6 72.8

39 76.8 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: 383.520 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :

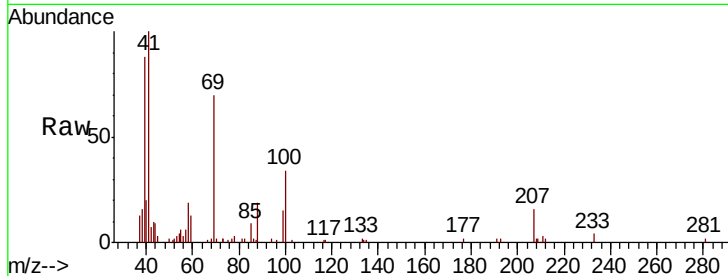
Tot Ion: 88 Resp: 4591

Ion Ratio Lower Upper

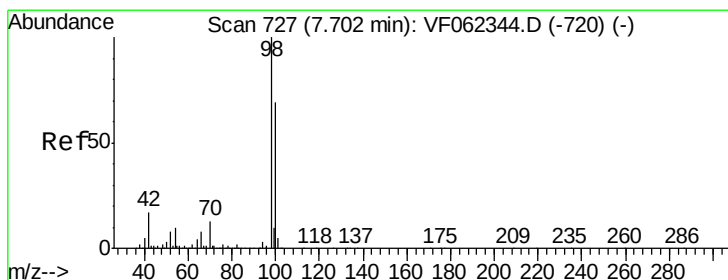
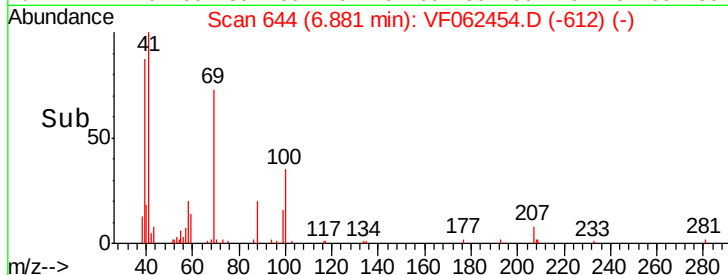
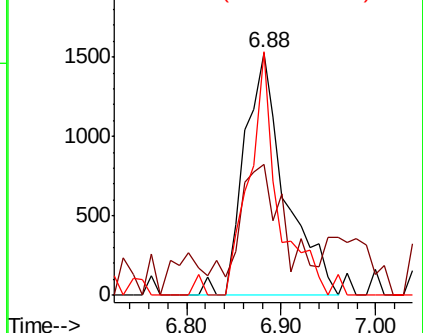
88 100

43 44.5 55.6 83.4#

58 70.2 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: 52.281 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062454.D

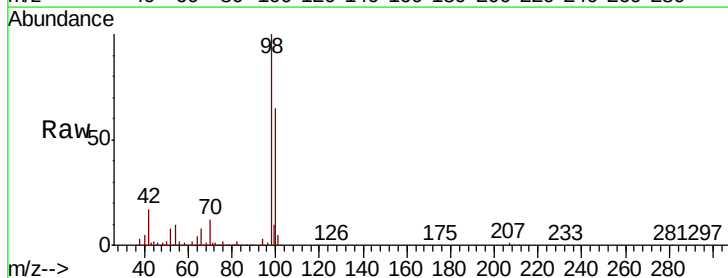
Acq: 11 May 2019 12:28

Tgt Ion: 98 Resp: 416242

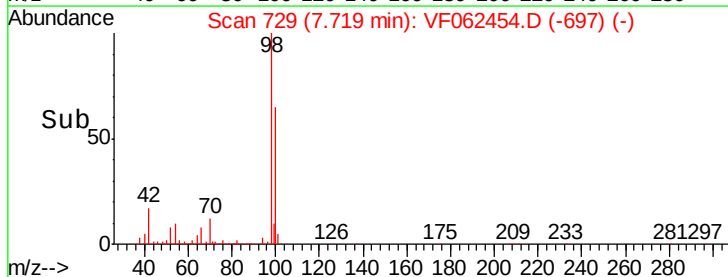
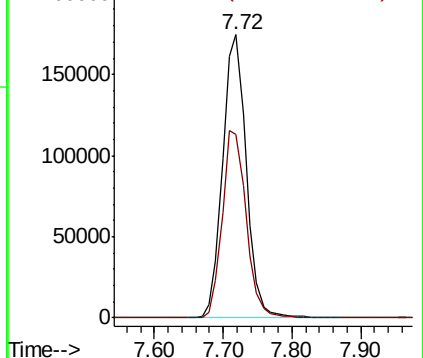
Ion Ratio Lower Upper

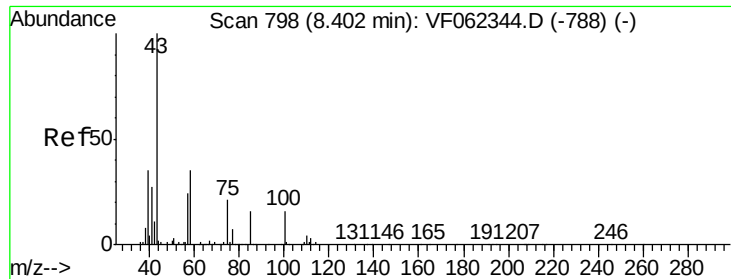
98 100

100 67.2 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: 101.354 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

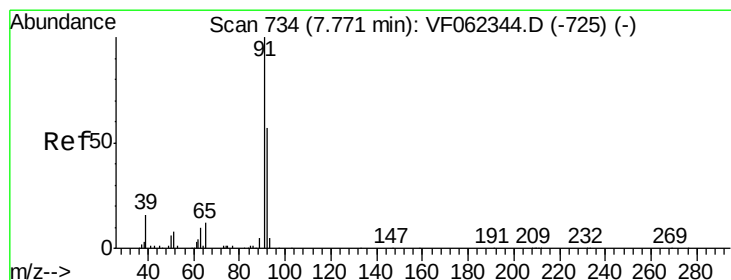
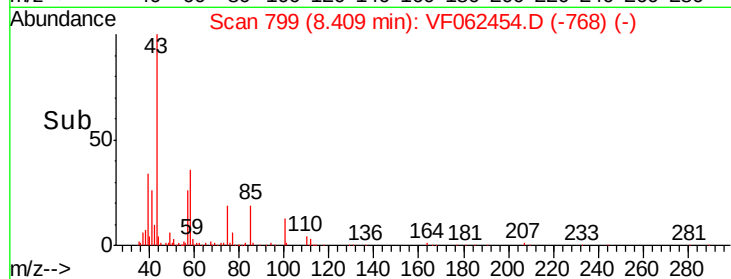
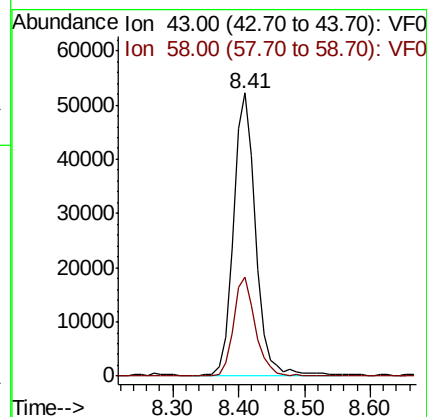
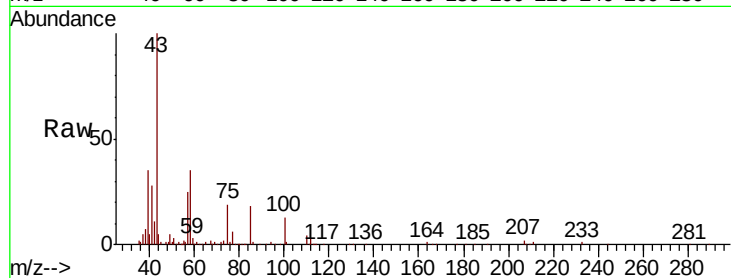
ClientSampleId :

Tot Ion: 43 Resp: 123888

Ion Ratio Lower Upper

43 100

58 34.1 27.8 41.6



#52

Toluene

Concen: 24.141 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062454.D

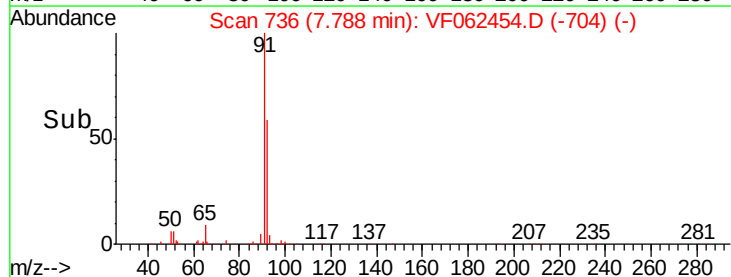
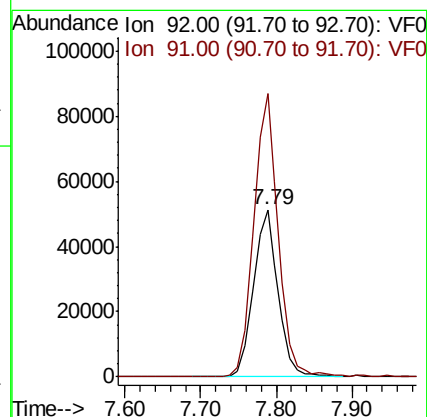
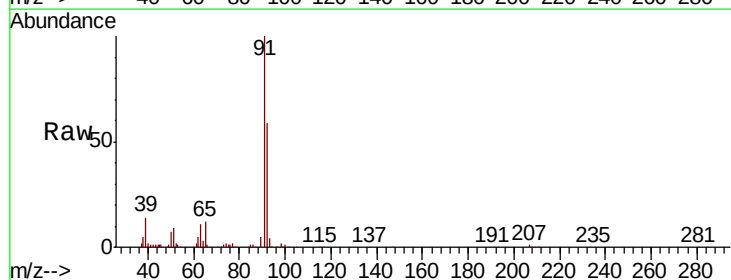
Acq: 11 May 2019 12:28

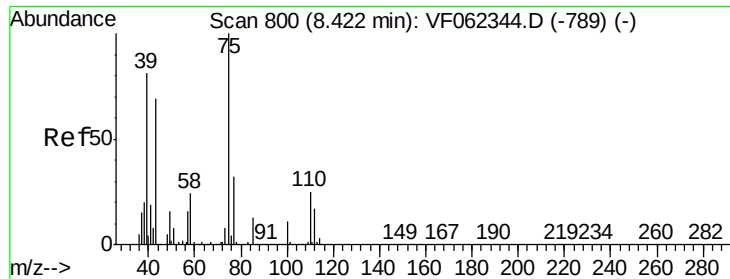
Tgt Ion: 92 Resp: 116305

Ion Ratio Lower Upper

92 100

91 167.7 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 22.159 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

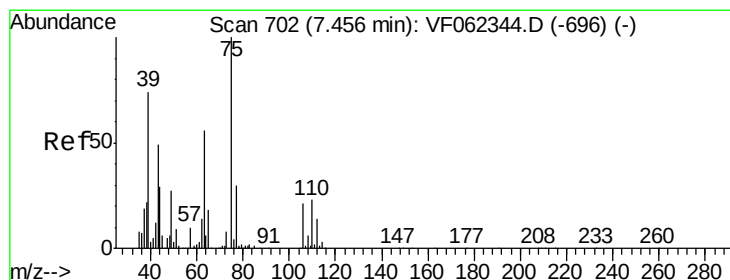
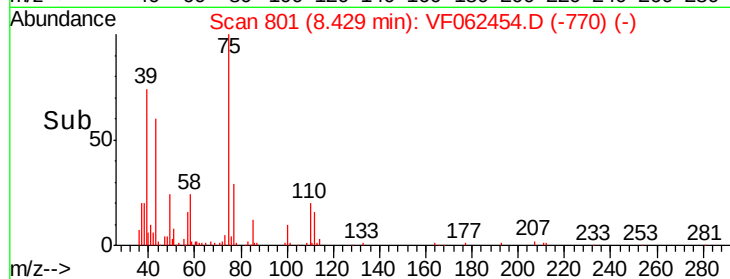
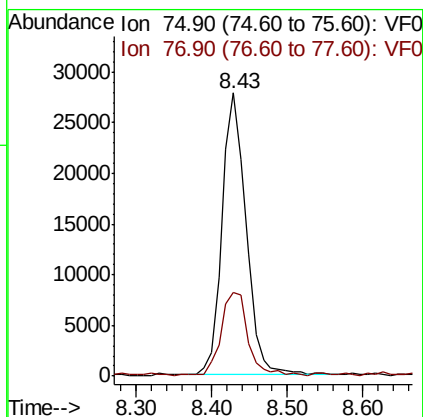
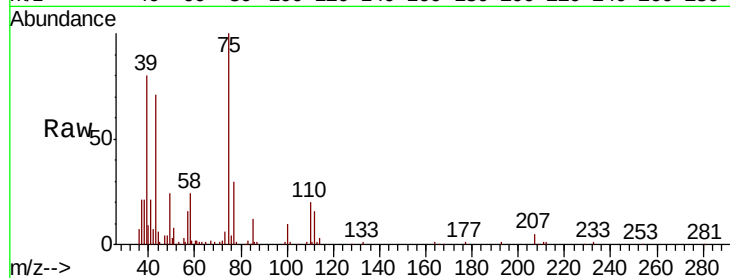
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 61455

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 24.628 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

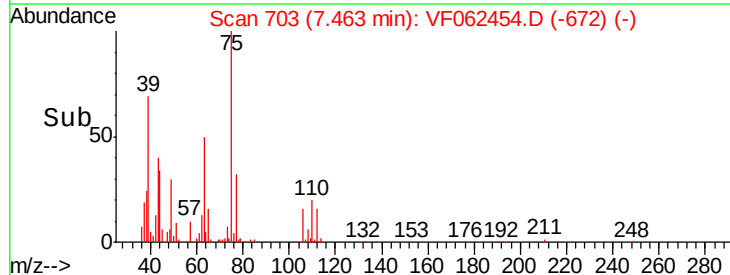
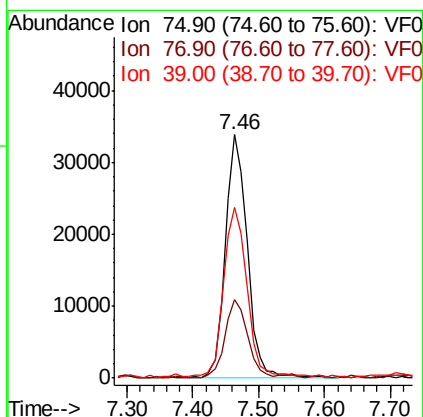
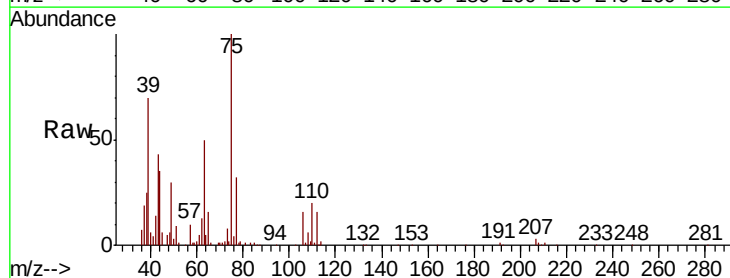
Tgt Ion: 75 Resp: 79491

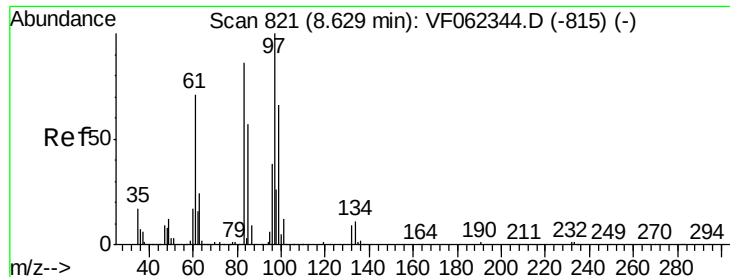
Ion Ratio Lower Upper

75 100

77 32.1 24.0 36.0

39 69.4 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 21.370 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 32683

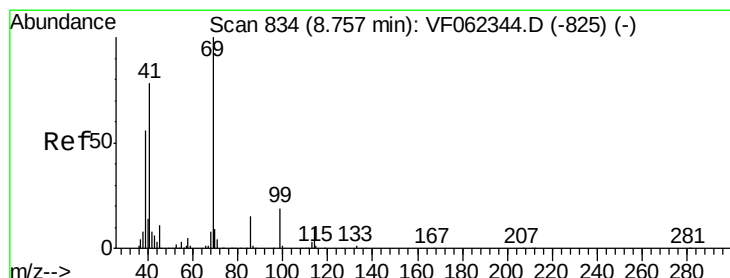
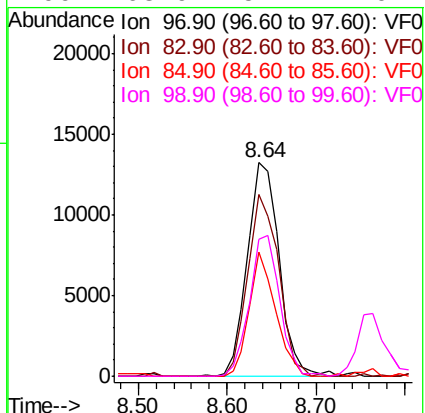
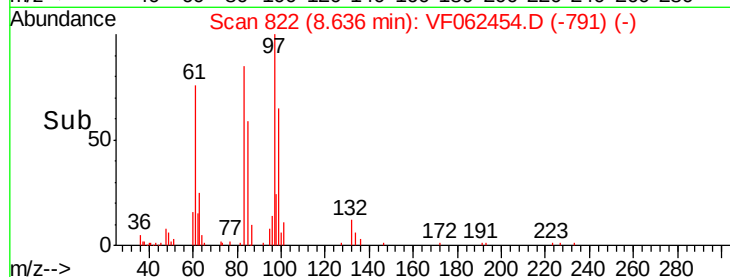
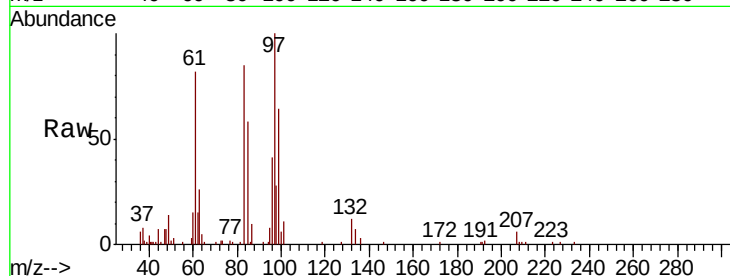
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.5	102.7
85	58.1	45.4	68.2
99	63.9	52.7	79.1

97 100

83 85.0 68.5 102.7

85 58.1 45.4 68.2

99 63.9 52.7 79.1



#56

Ethyl methacrylate

Concen: 19.481 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

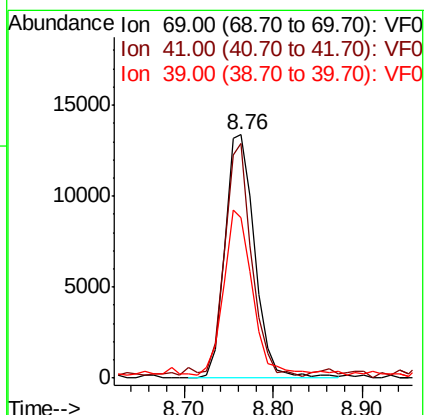
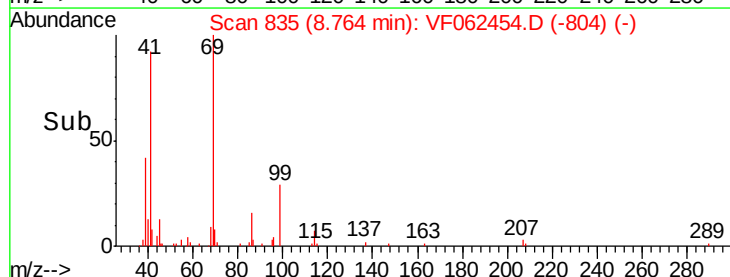
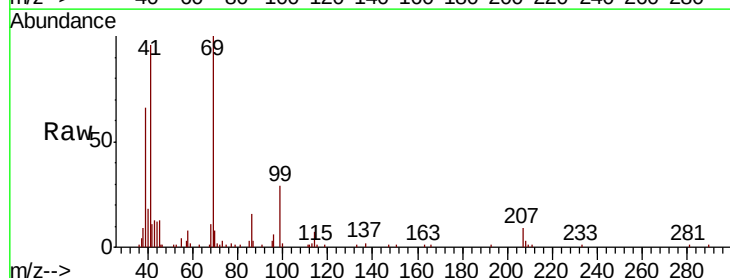
Tgt Ion: 69 Resp: 31451

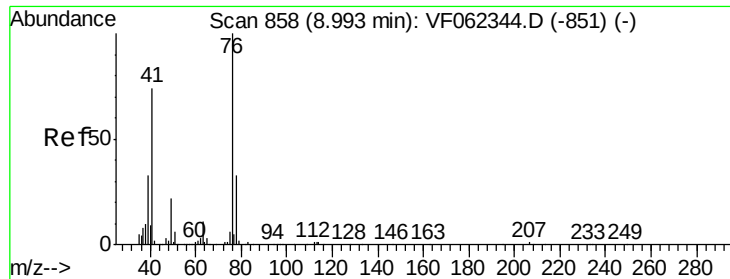
Ion	Ratio	Lower	Upper
69	100		
41	88.5	66.3	99.5
39	64.7	50.1	75.1

69 100

41 88.5 66.3 99.5

39 64.7 50.1 75.1





#57

1,3-Dichloropropane

Concen: 22.282 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

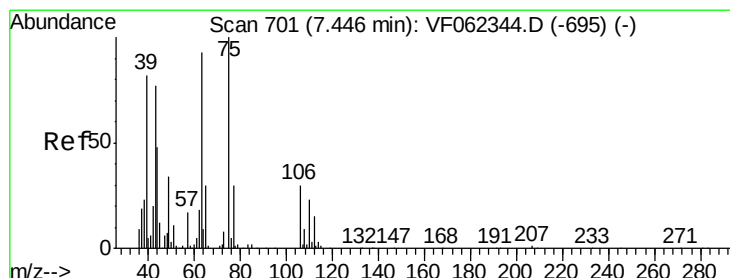
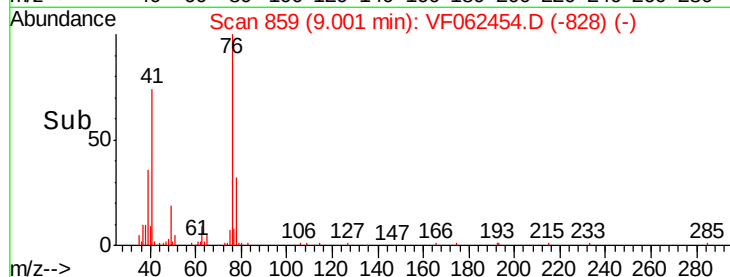
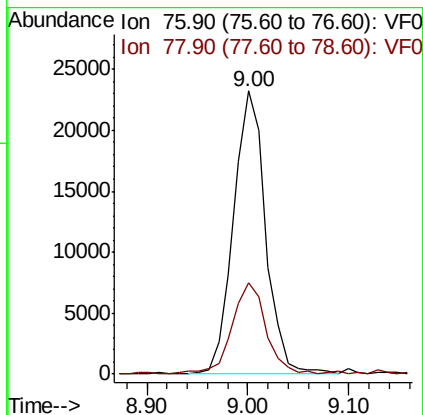
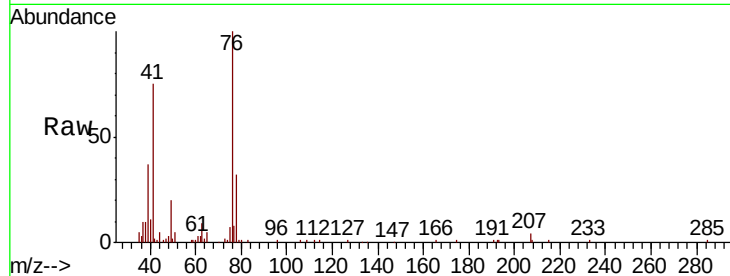
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 51476

Ion Ratio Lower Upper

76 100

78 34.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 94.895 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062454.D

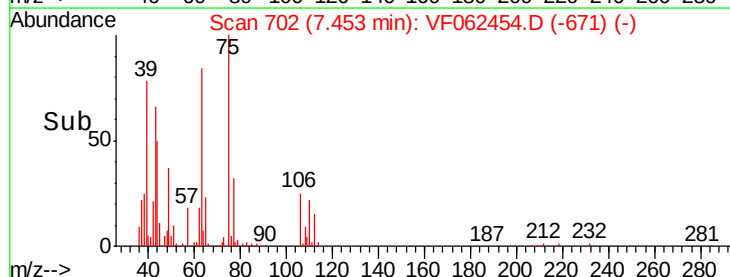
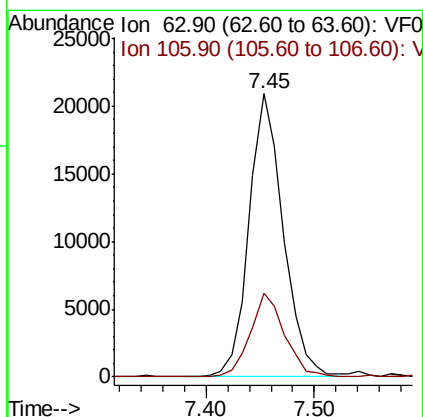
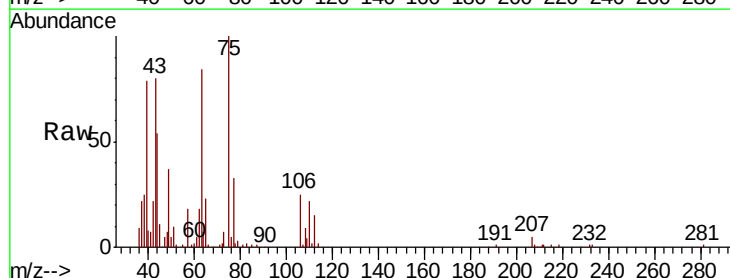
Acq: 11 May 2019 12:28

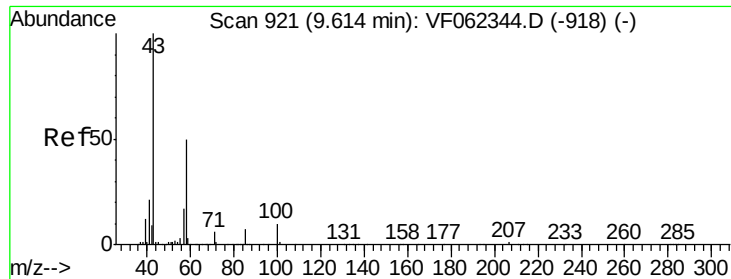
Tgt Ion: 63 Resp: 46060

Ion Ratio Lower Upper

63 100

106 29.5 25.8 38.8

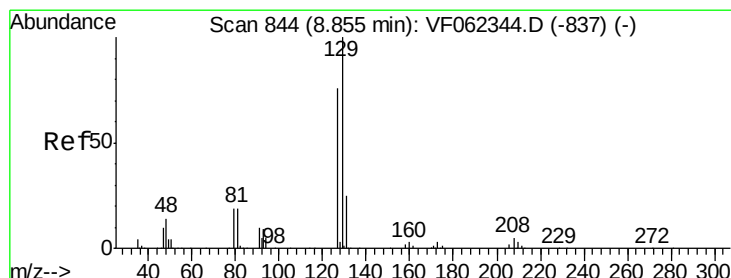
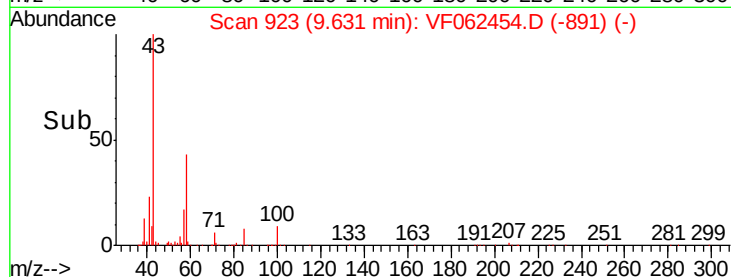
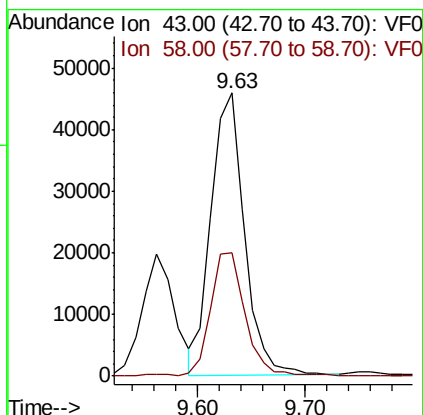
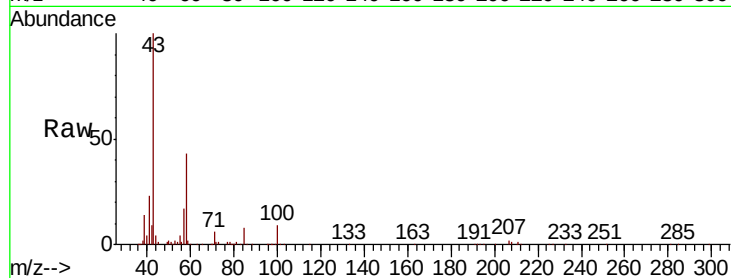




#59
2-Hexanone
Concen: 116.419 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

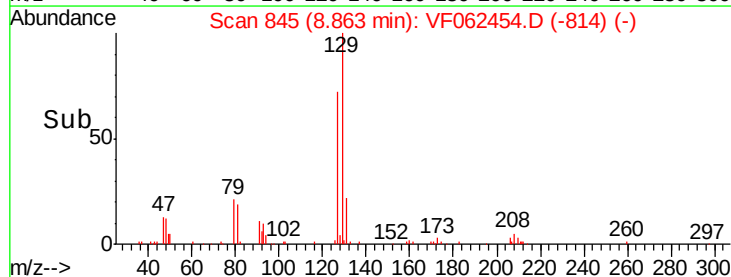
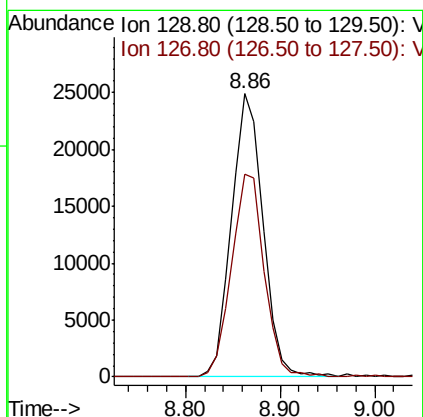
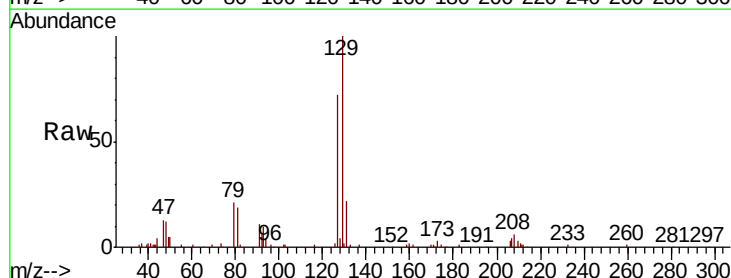
Instrument :
MSVOA_F
ClientSampleId :

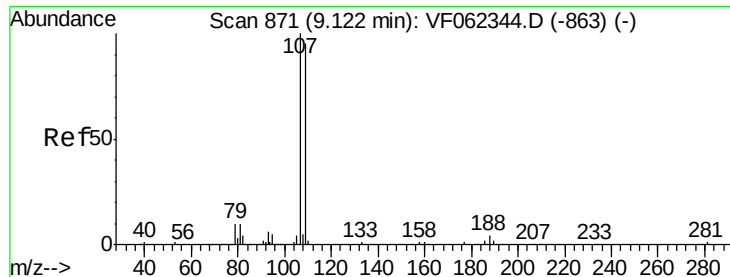
Tot Ion: 43 Resp: 98417
Ion Ratio Lower Upper
43 100
58 45.5 24.3 73.0



#60
Dibromochloromethane
Concen: 22.891 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion: 129 Resp: 57259
Ion Ratio Lower Upper
129 100
127 74.4 38.5 115.3

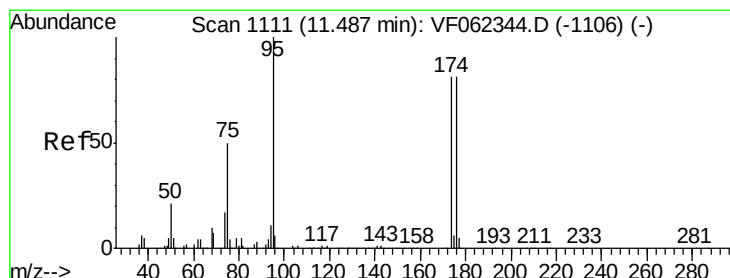
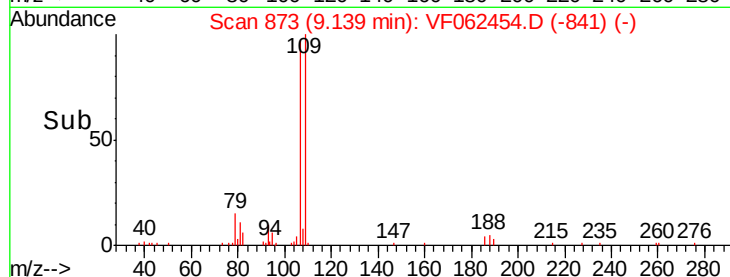
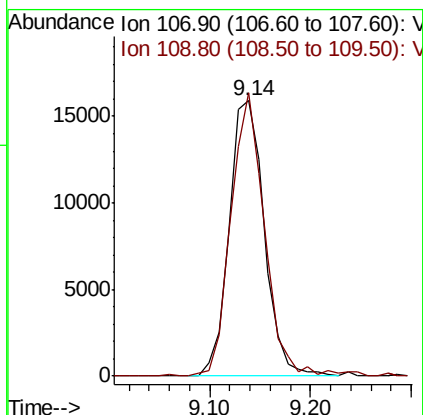
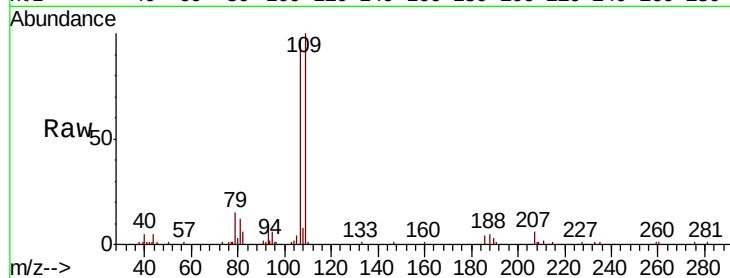




#61
 1,2-Dibromoethane
 Concen: 21.369 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.02 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

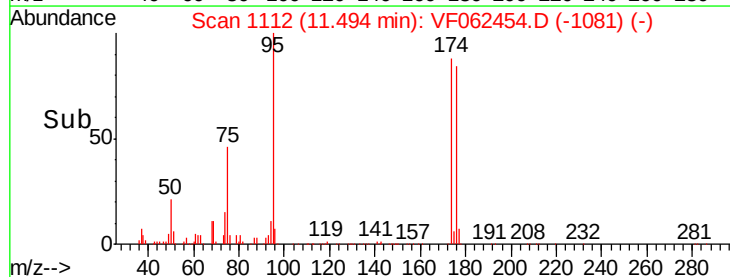
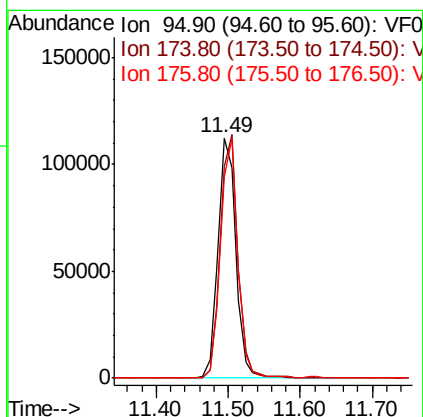
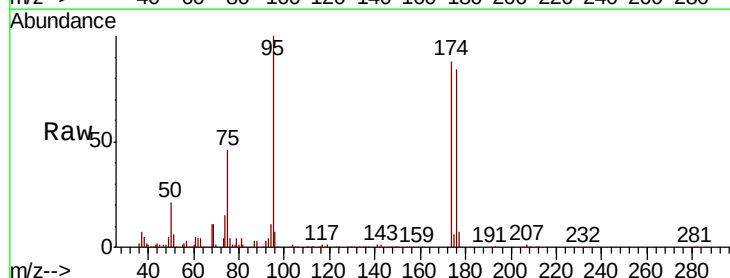
Instrument :
 MSVOA_F
 ClientSampleId :

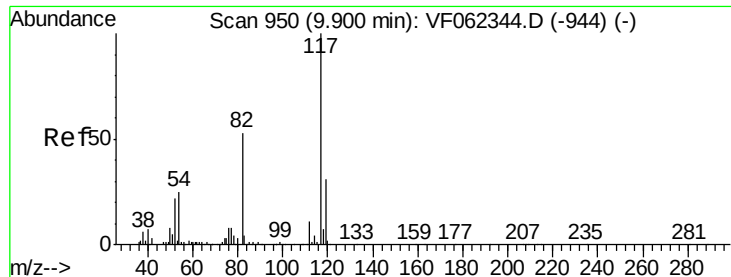
Tot Ion:107 Resp: 38412
 Ion Ratio Lower Upper
 107 100
 109 98.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.297 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion: 95 Resp: 191444
 Ion Ratio Lower Upper
 95 100
 174 99.2 0.0 191.8
 176 96.2 0.0 193.2

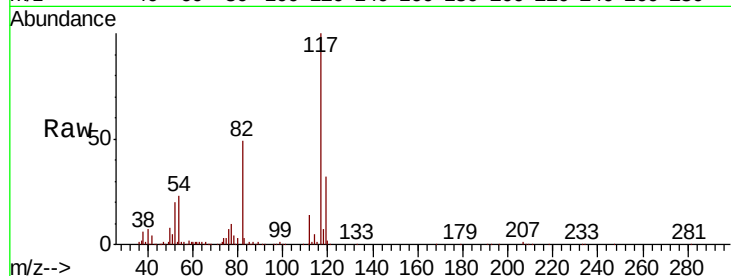




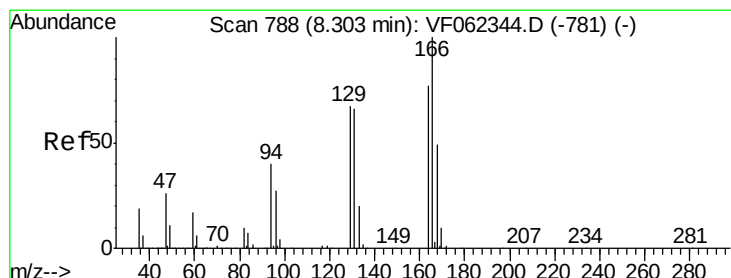
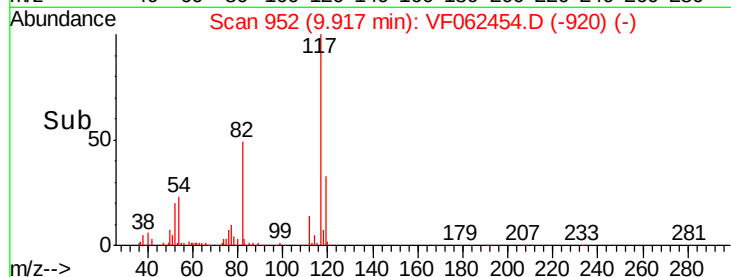
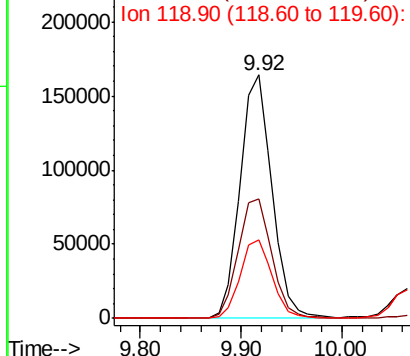
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	42.2	63.2
119	32.5	25.0	37.4

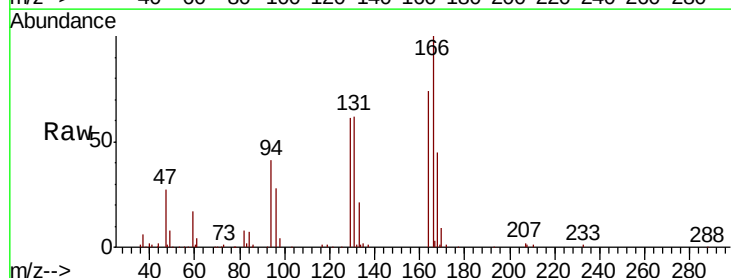


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

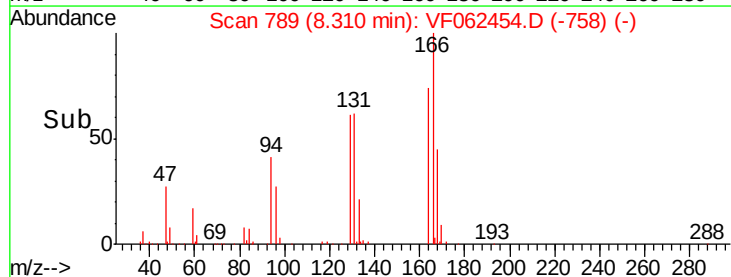
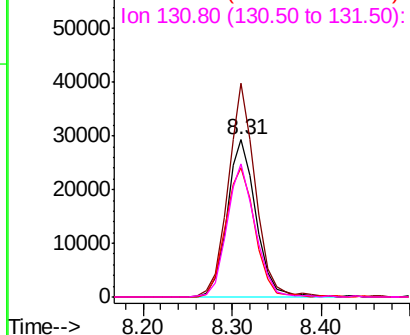


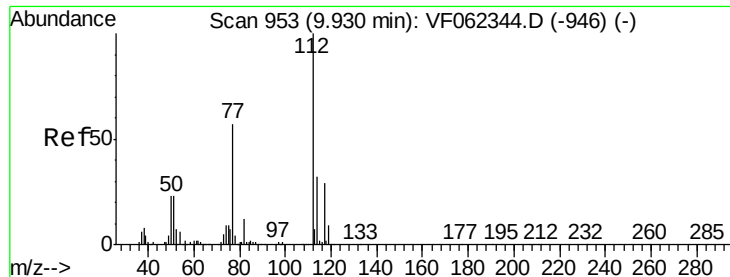
#64
Tetrachloroethene
Concen: 22.600 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.8	104.2	156.4
129	82.3	69.6	104.4
131	84.5	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

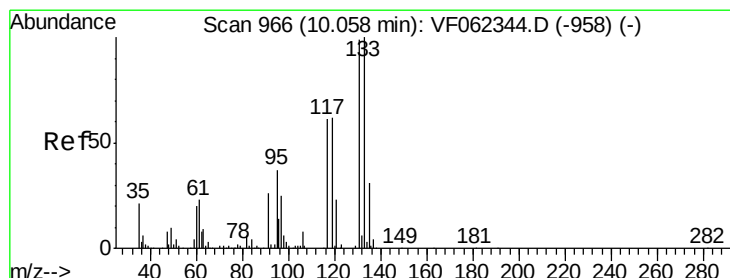
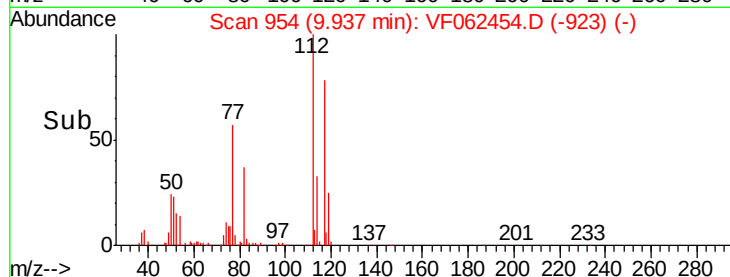
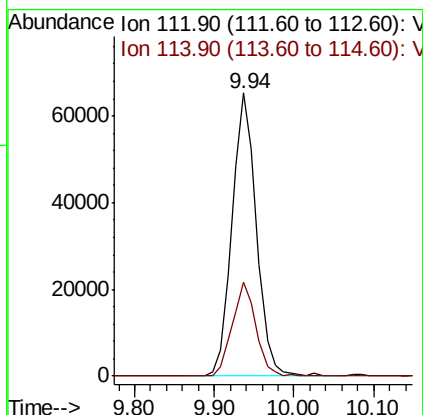
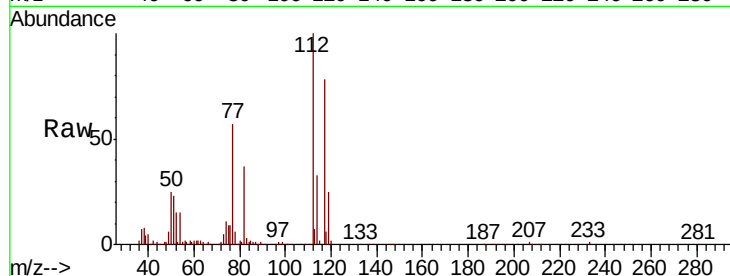




#65
Chlorobenzene
Concen: 23.316 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

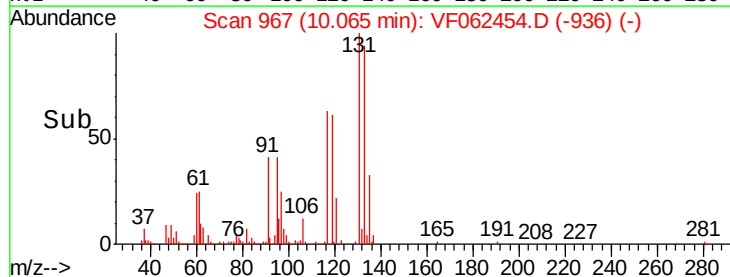
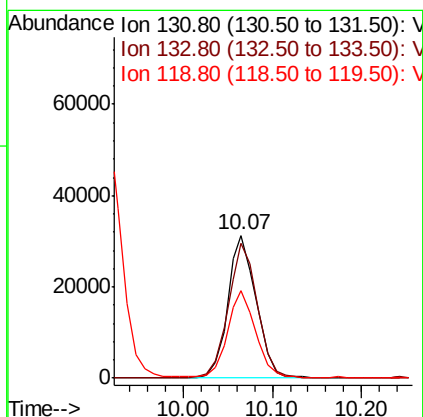
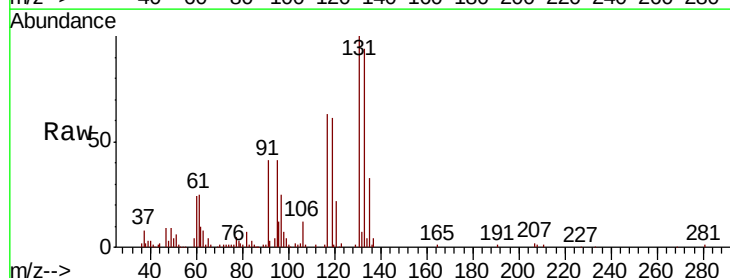
Instrument :
MSVOA_F
ClientSampleId :

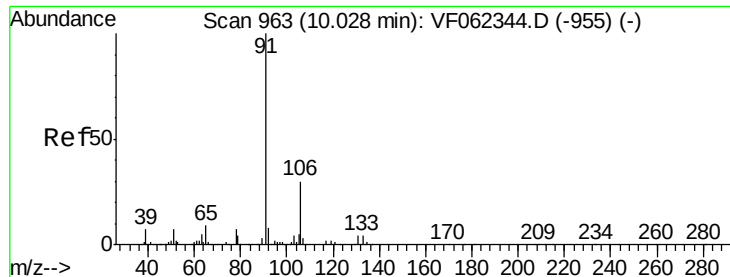
Tot Ion:112 Resp: 139535
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.120 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion:131 Resp: 69799
Ion Ratio Lower Upper
131 100
133 97.6 50.2 150.7
119 60.8 31.6 95.0





#67

Ethyl Benzene

Concen: 23.492 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

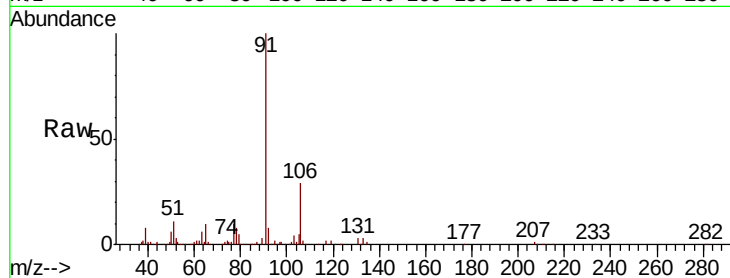
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 246177

Ion Ratio Lower Upper

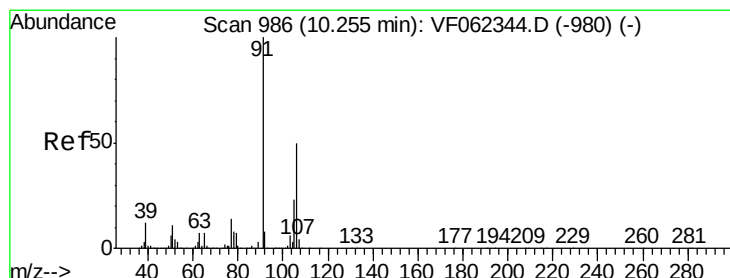
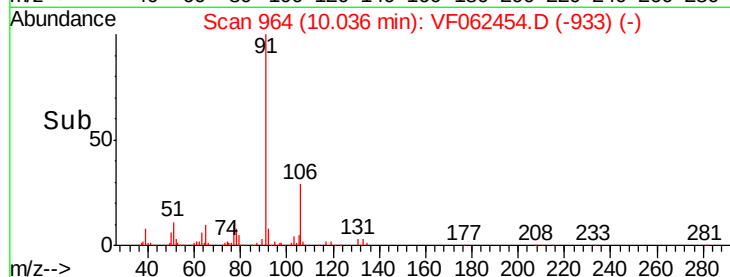
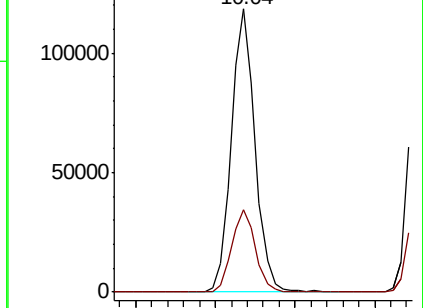
91 100

106 29.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.617 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF062454.D

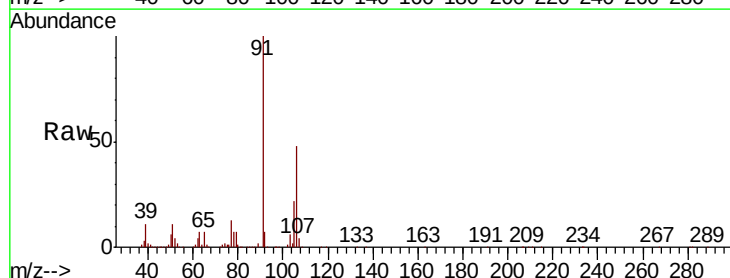
Acq: 11 May 2019 12:28

Tgt Ion: 106 Resp: 184111

Ion Ratio Lower Upper

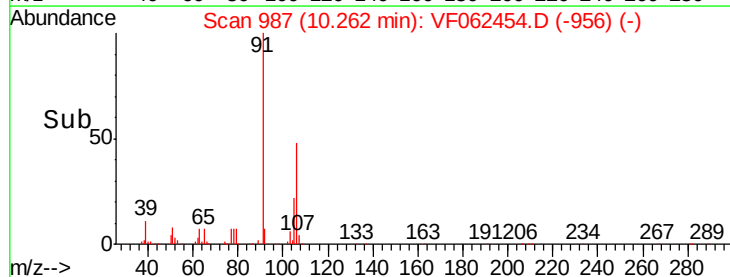
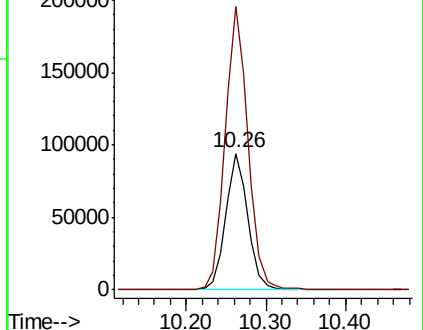
106 100

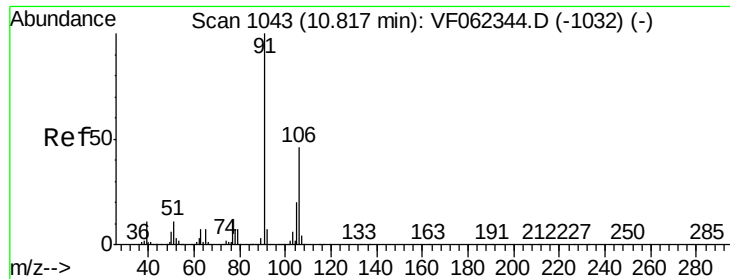
91 213.5 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

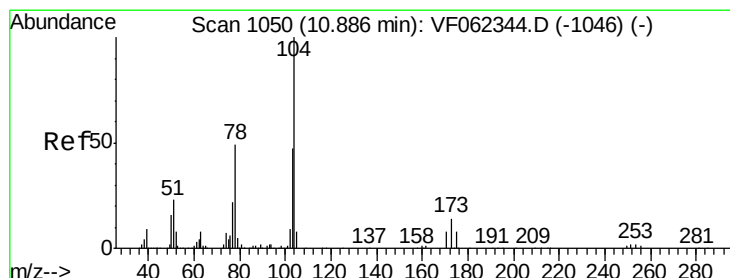
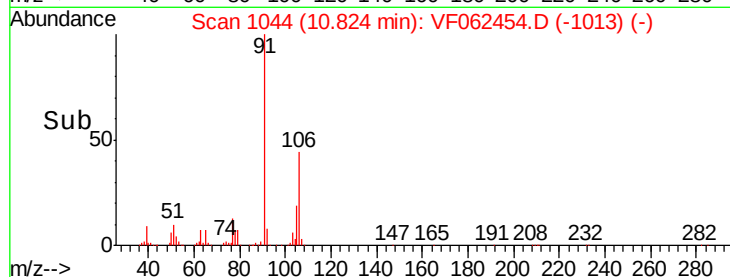
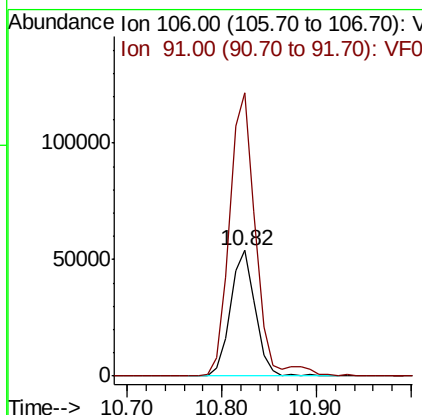
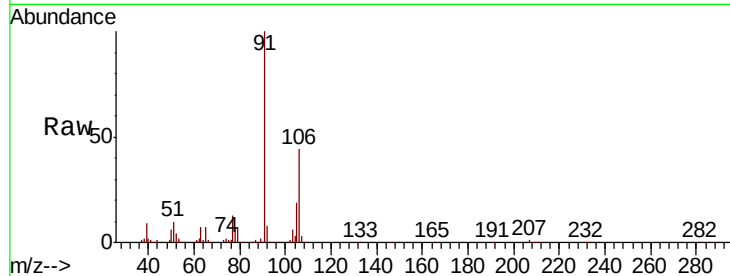




#69
o-Xylene
Concen: 23.504 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

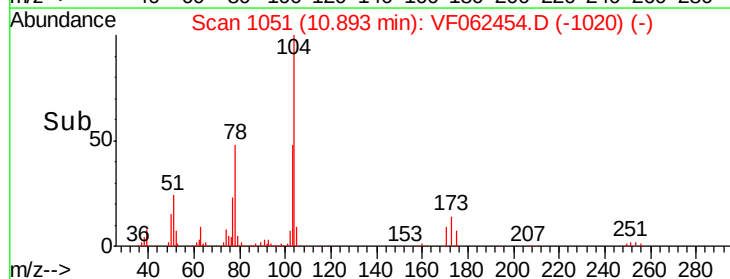
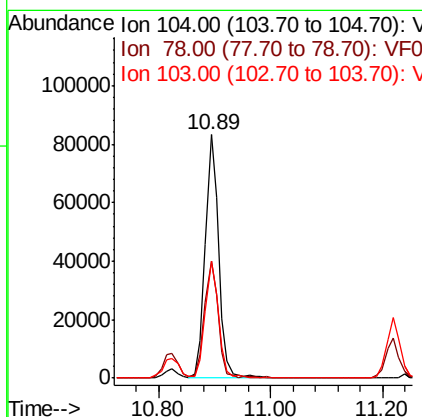
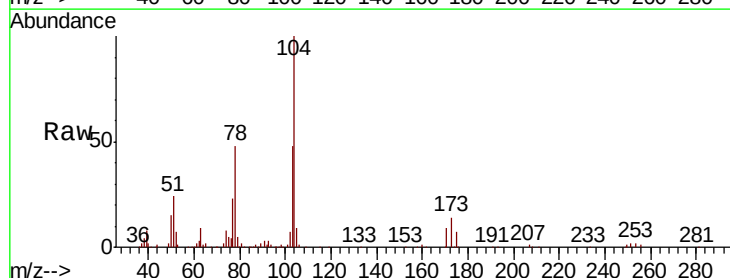
Instrument :
MSVOA_F
ClientSampleId :

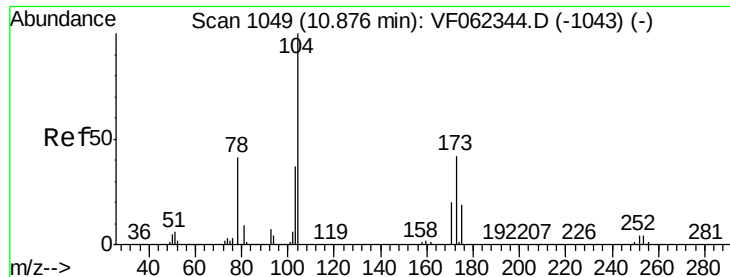
Tot Ion:106 Resp: 98202
Ion Ratio Lower Upper
106 100
91 228.0 111.3 333.8



#70
Styrene
Concen: 22.545 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion:104 Resp: 141168
Ion Ratio Lower Upper
104 100
78 48.6 39.5 59.3
103 47.4 38.4 57.6

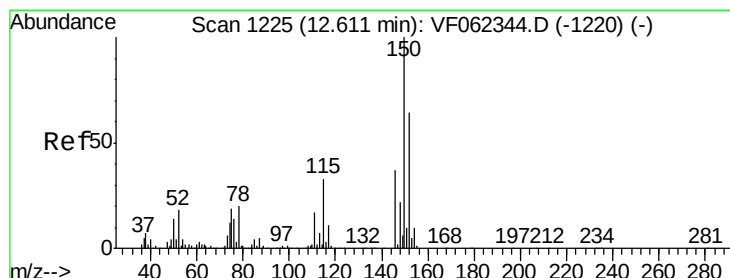
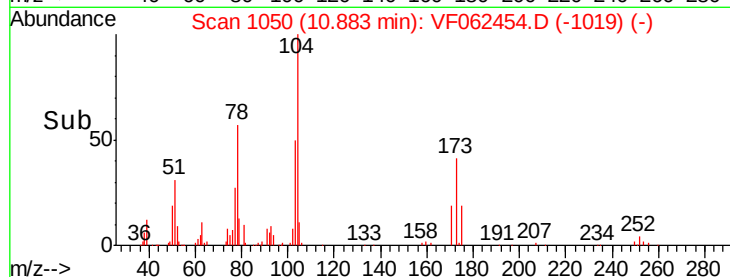
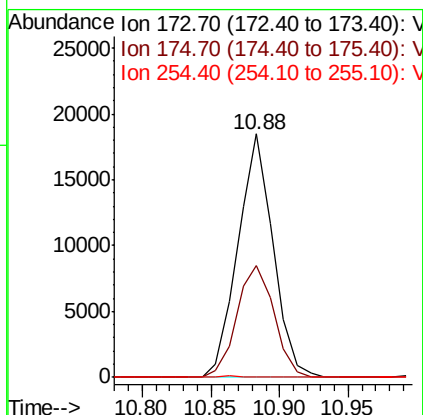
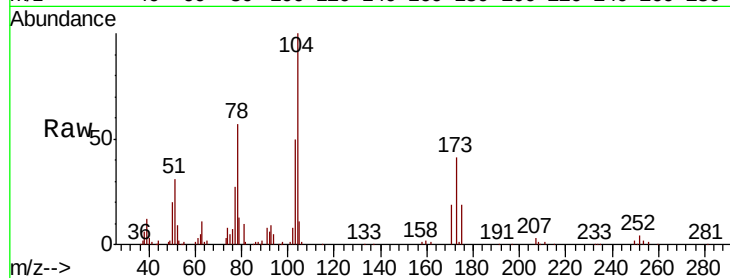




#71
Bromoform
Concen: 19.844 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

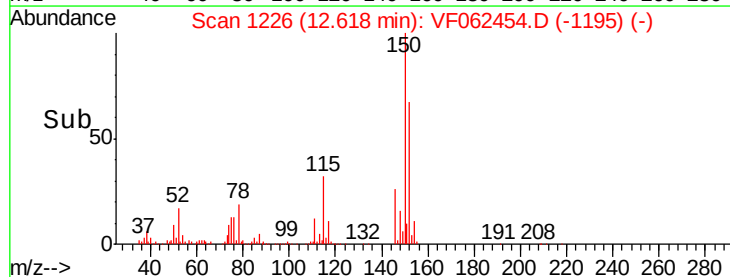
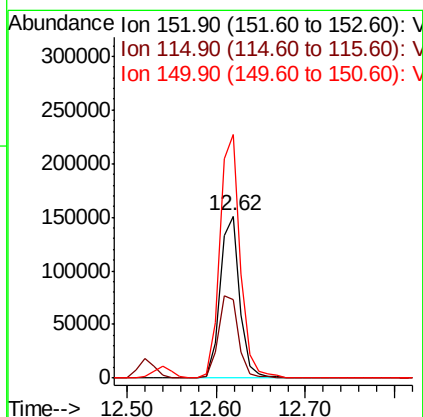
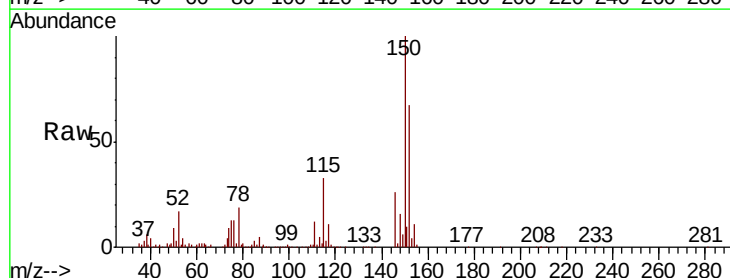
Instrument :
MSVOA_F
ClientSampleId :

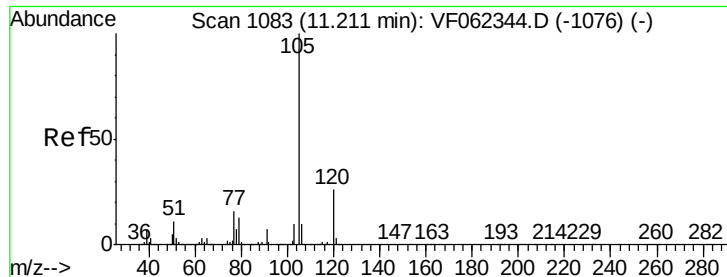
Tot Ion:173 Resp: 32822
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.2
254 0.3 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion:152 Resp: 235034
Ion Ratio Lower Upper
152 100
115 52.9 26.4 79.2
150 156.1 0.0 335.0





#73

Isopropylbenzene

Concen: 22.595 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

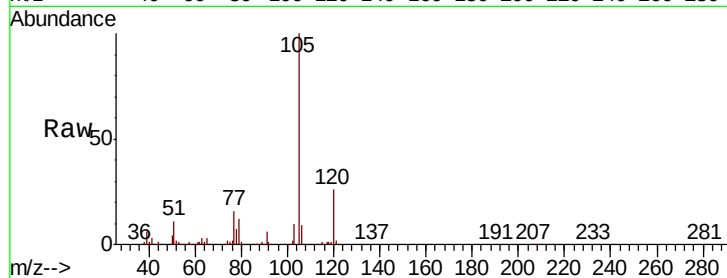
ClientSampleId :

Tot Ion:105 Resp: 314834

Ion Ratio Lower Upper

105 100

120 25.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

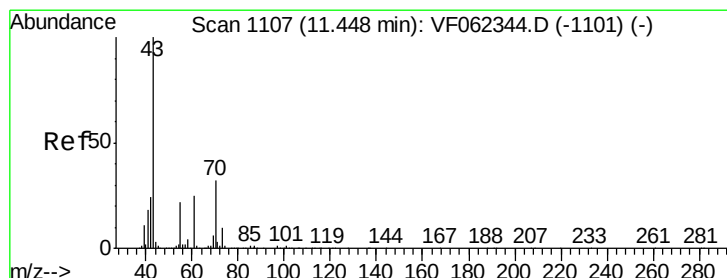
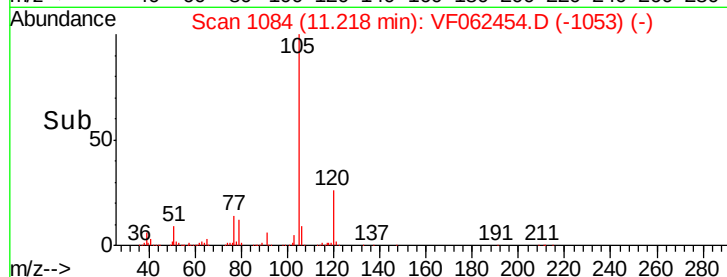
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 17.305 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Tgt Ion: 43 Resp: 51767

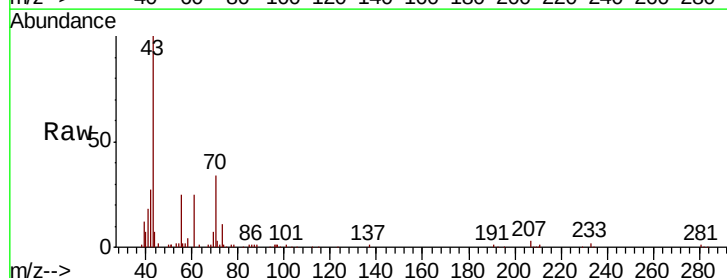
Ion Ratio Lower Upper

43 100

70 31.7 26.5 39.7

55 24.5 17.8 26.6

61 23.5 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

40000

30000

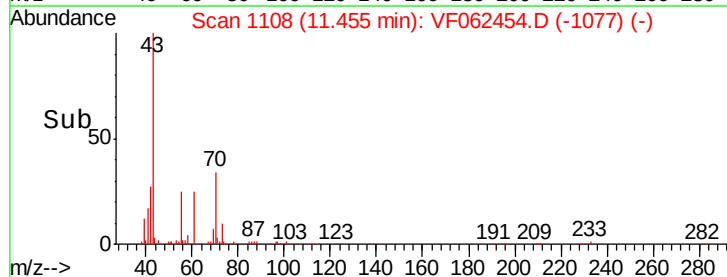
20000

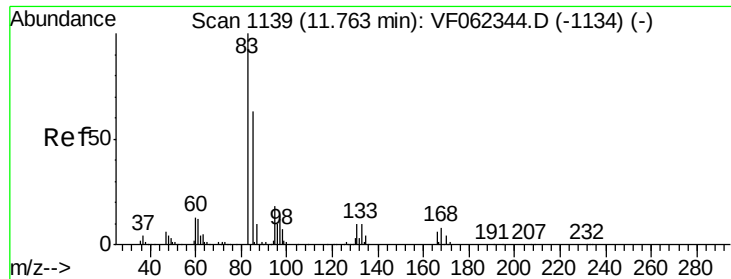
10000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.797 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

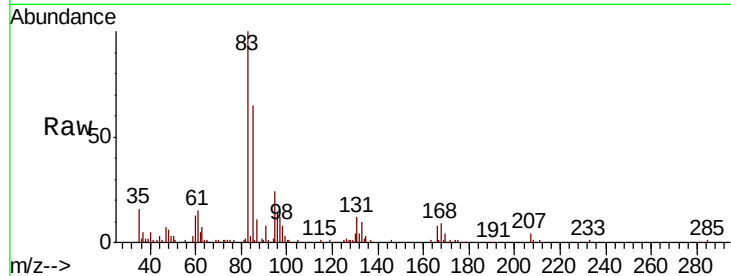
Tot Ion: 83 Resp: 43190

Ion Ratio Lower Upper

83 100

131 11.8 5.8 17.4

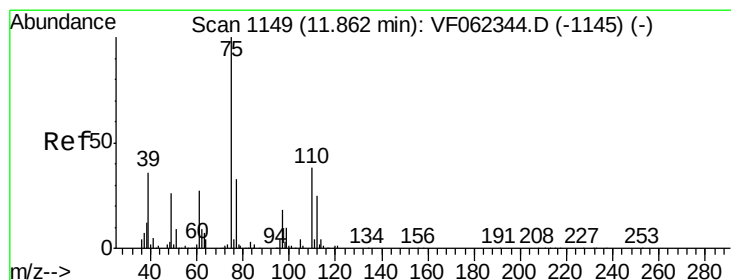
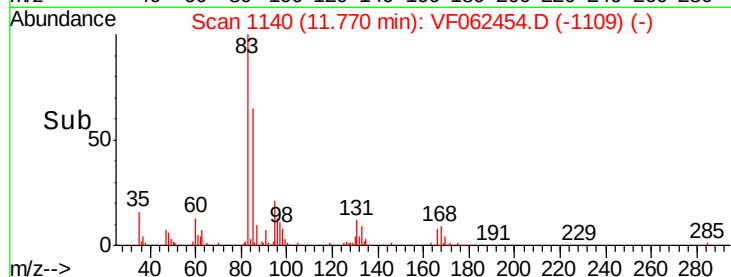
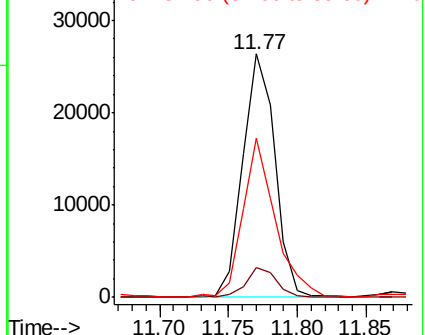
85 65.9 35.3 105.7



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: 20.261 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062454.D

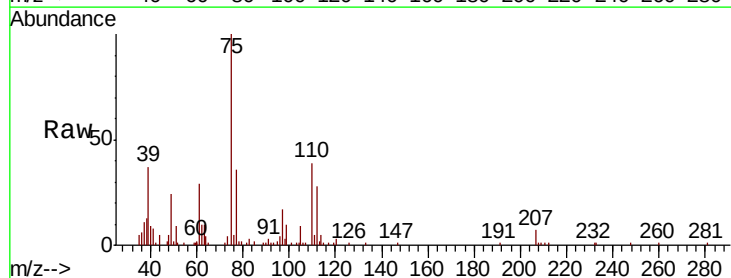
Acq: 11 May 2019 12:28

Tgt Ion: 75 Resp: 33724

Ion Ratio Lower Upper

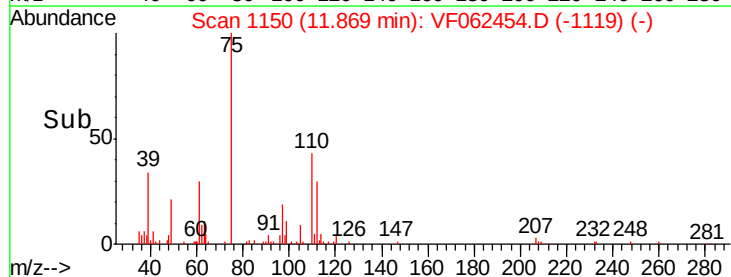
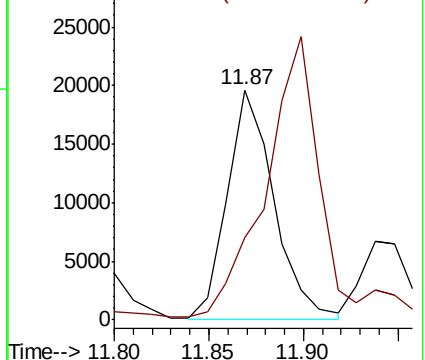
75 100

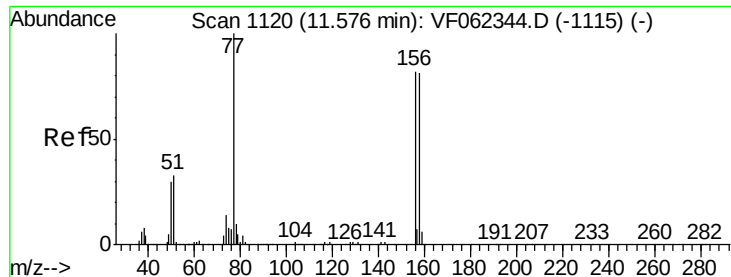
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.901 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

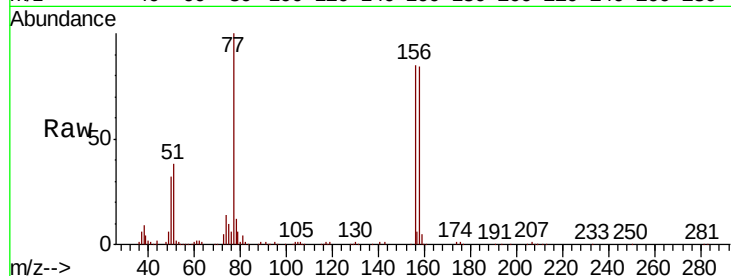
Tot Ion:156 Resp: 76432

Ion Ratio Lower Upper

156 100

77 127.7 64.8 194.3

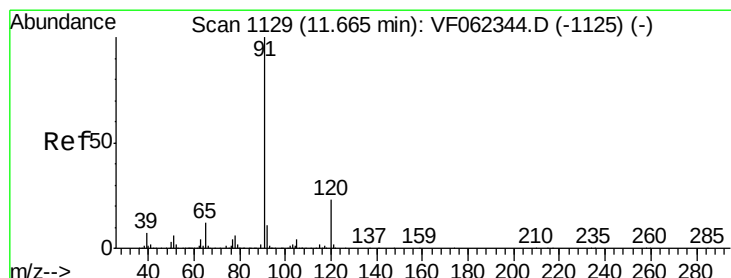
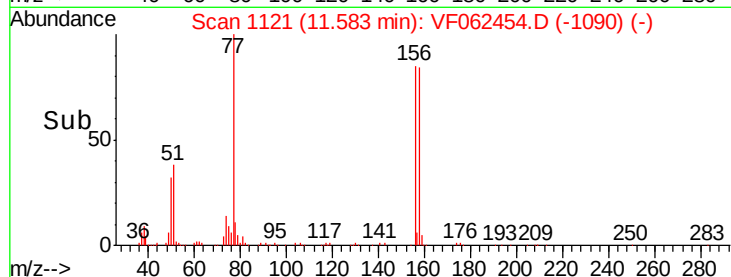
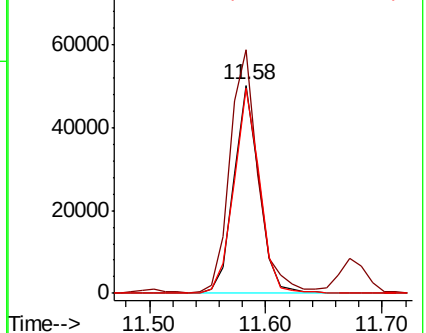
158 99.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.669 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062454.D

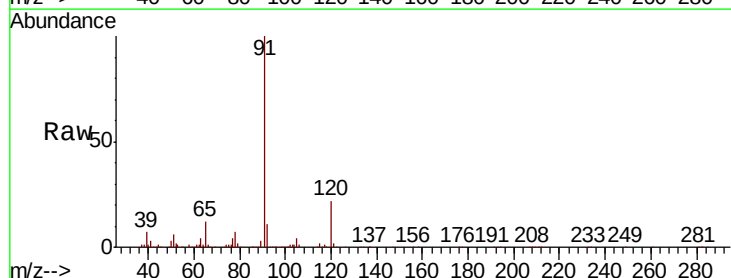
Acq: 11 May 2019 12:28

Tgt Ion: 91 Resp: 321449

Ion Ratio Lower Upper

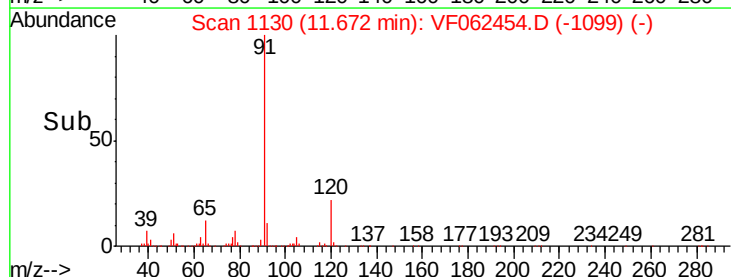
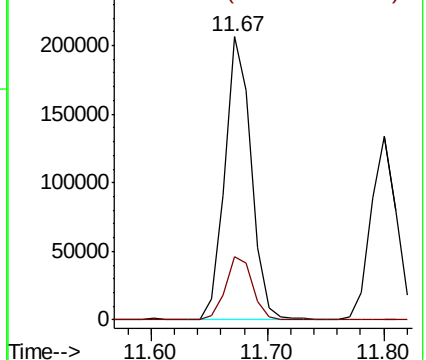
91 100

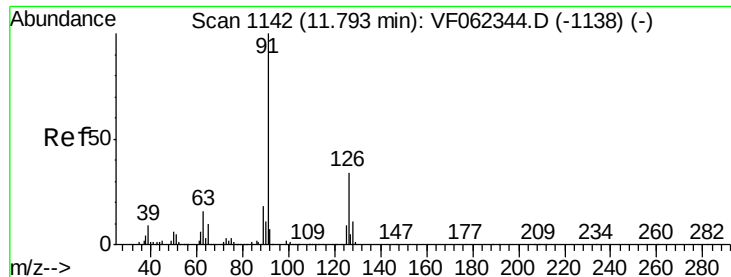
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.100 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

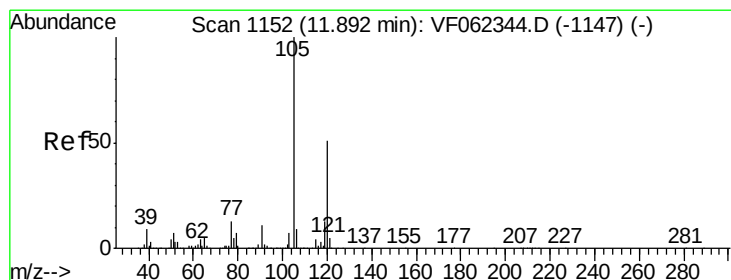
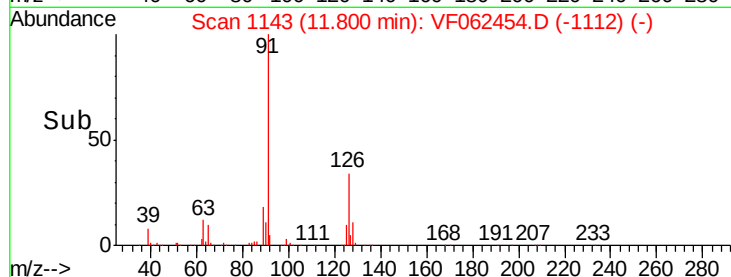
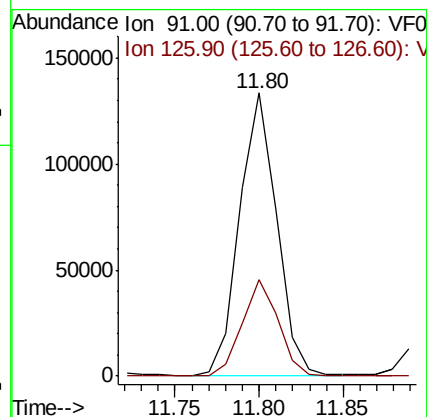
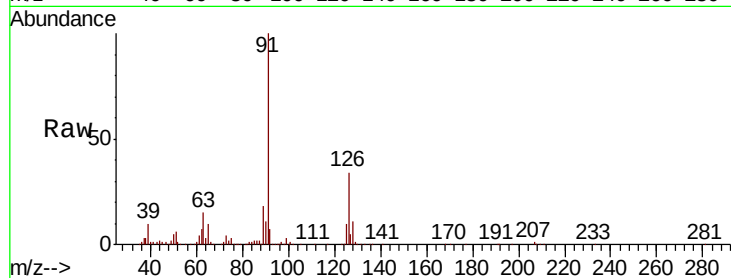
ClientSampleId :

Tot Ion: 91 Resp: 203856

Ion Ratio Lower Upper

91 100

126 33.5 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.806 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062454.D

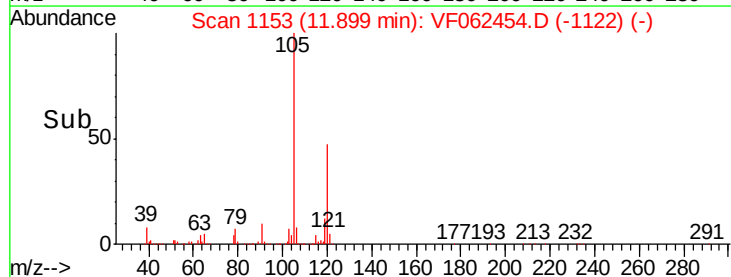
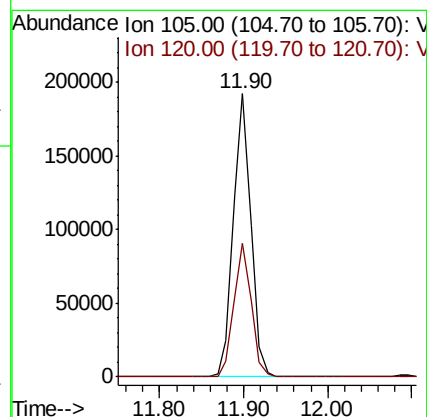
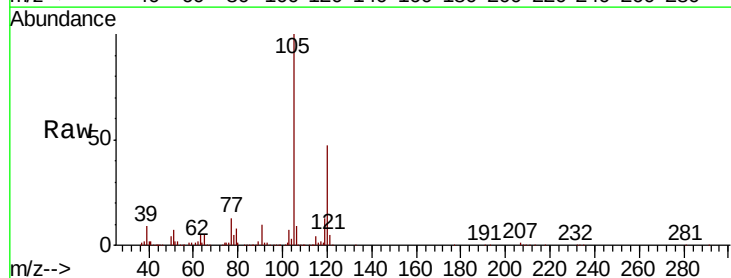
Acq: 11 May 2019 12:28

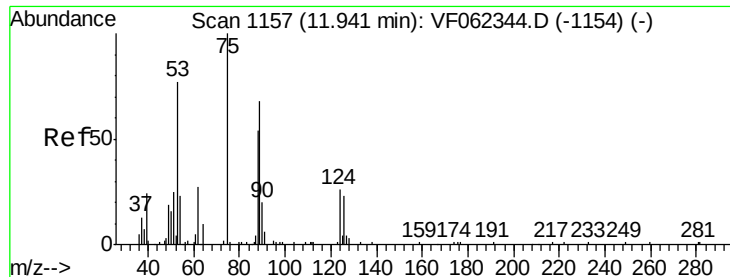
Tgt Ion: 105 Resp: 278531

Ion Ratio Lower Upper

105 100

120 47.1 24.6 74.0

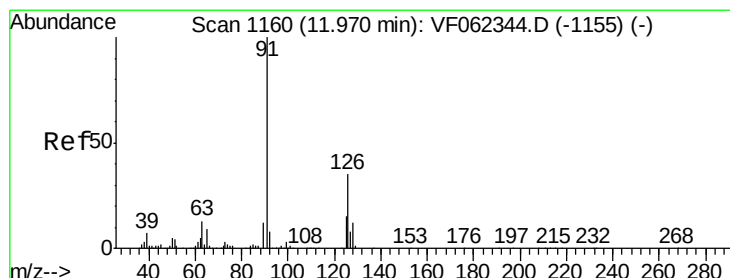
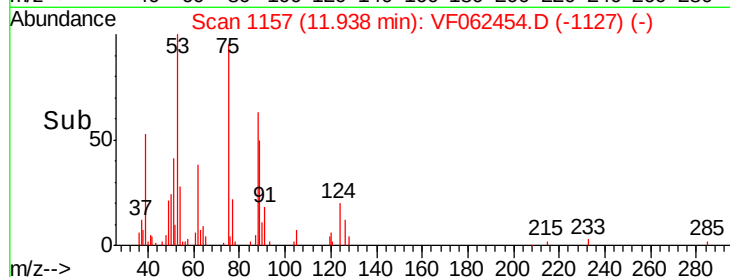
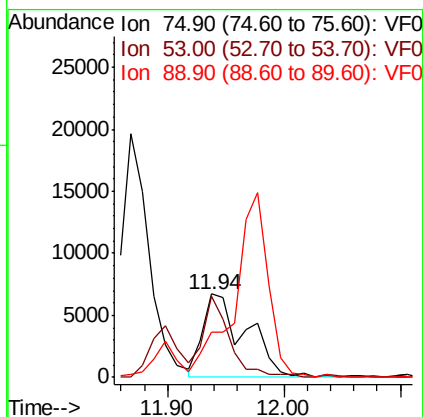
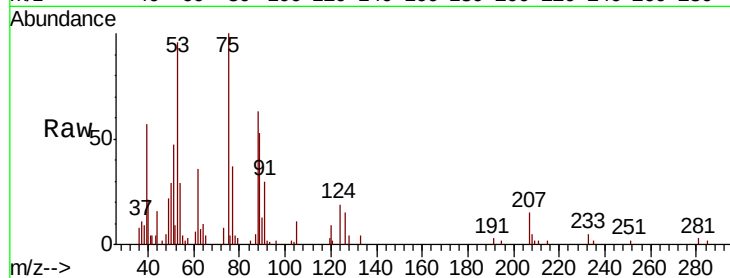




#81
trans-1,4-Dichloro-2-butene
Concen: 27.995 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

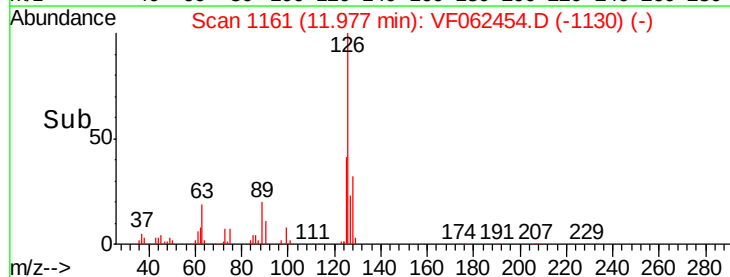
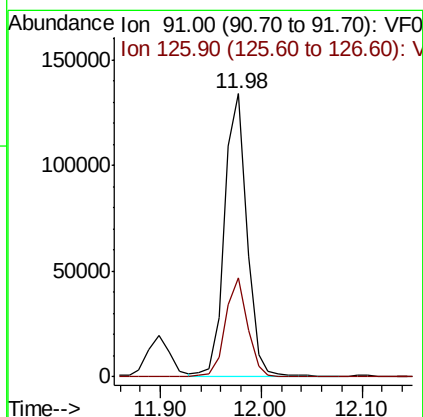
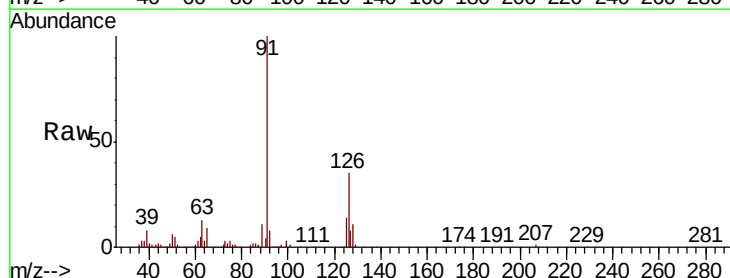
Instrument :
MSVOA_F
ClientSampled :

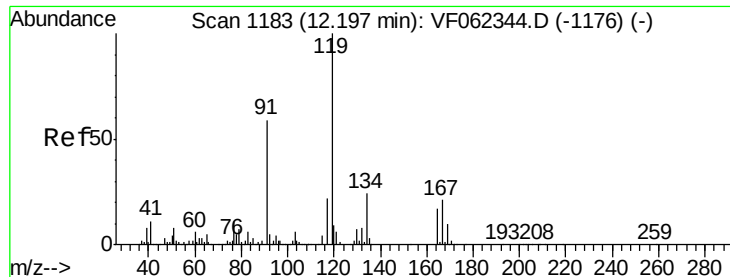
Tot Ion: 75 Resp: 17515
Ion Ratio Lower Upper
75 100
53 59.0 71.9 107.9#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 22.599 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF062454.D
Acq: 11 May 2019 12:28

Tgt Ion: 91 Resp: 205897
Ion Ratio Lower Upper
91 100
126 35.5 17.7 53.1

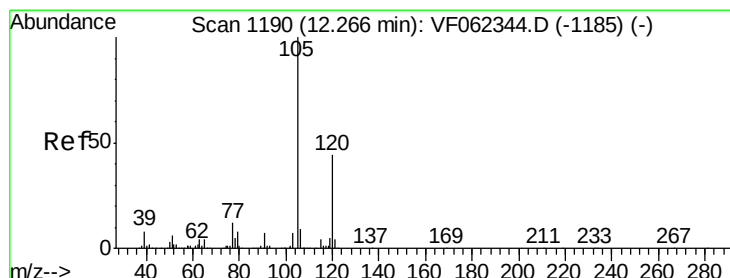
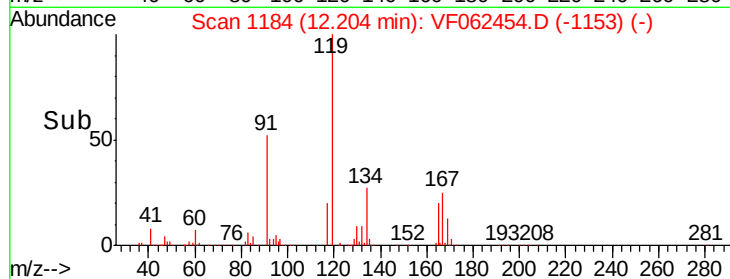
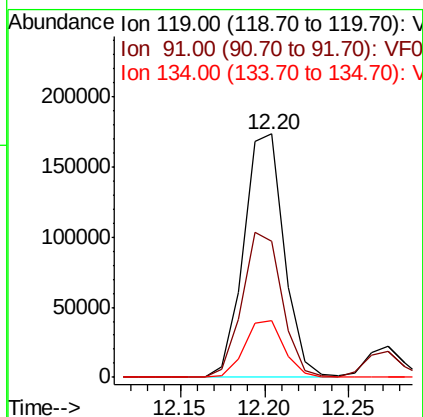
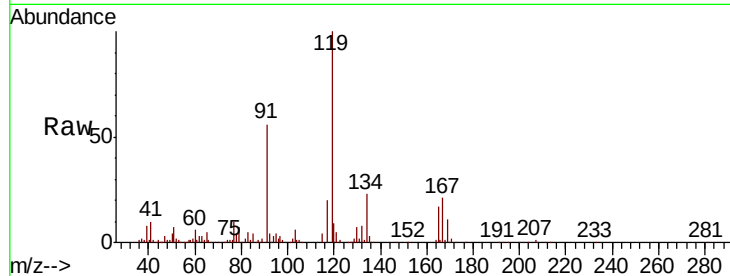




#83
 tert-Butylbenzene
 Concen: 22.493 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

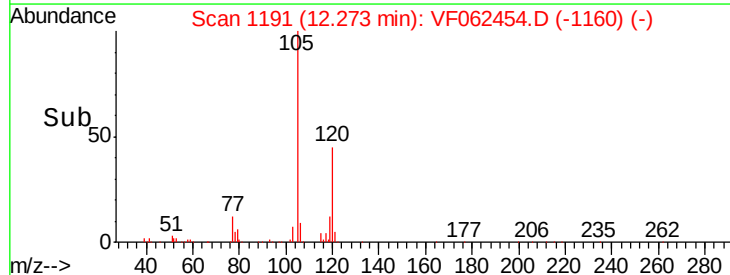
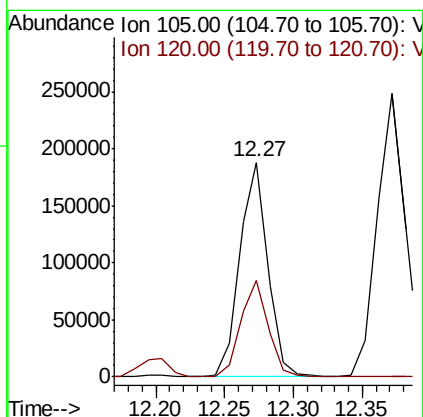
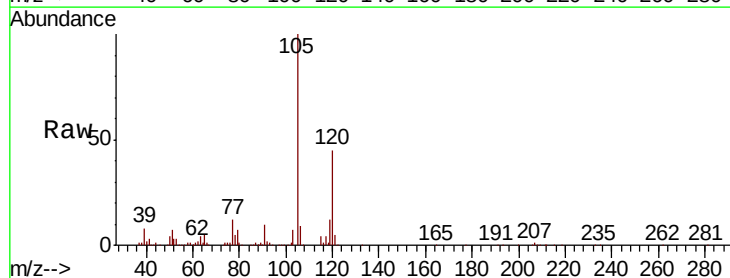
Instrument :
 MSVOA_F
 ClientSampleId :

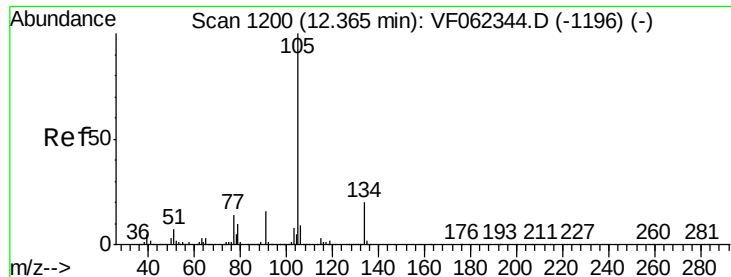
Tot Ion:119 Resp: 288701
 Ion Ratio Lower Upper
 119 100
 91 58.4 30.4 91.3
 134 23.1 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.407 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion:105 Resp: 267800
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 22.743 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

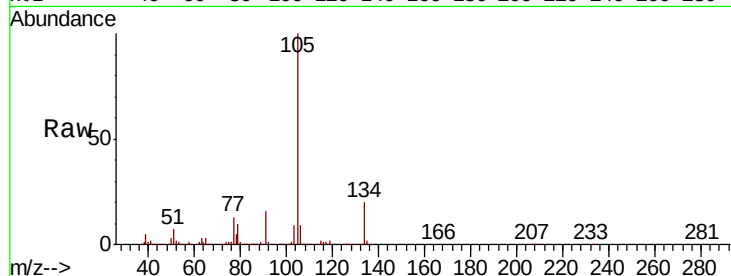
ClientSampled :

Tot Ion:105 Resp: 355307

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

250000

200000

150000

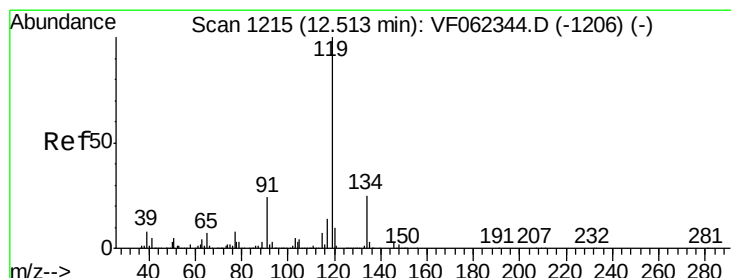
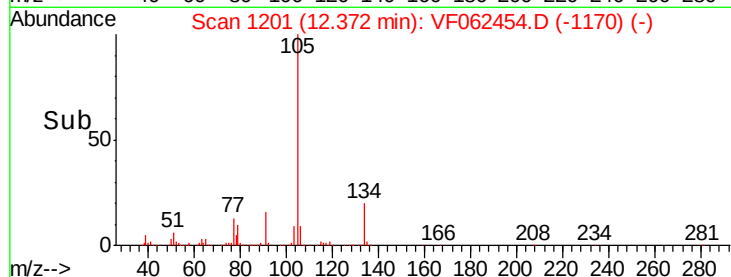
100000

50000

0

12.30 12.35 12.40 12.45

Time-->



#86

p-Isopropyltoluene

Concen: 22.550 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

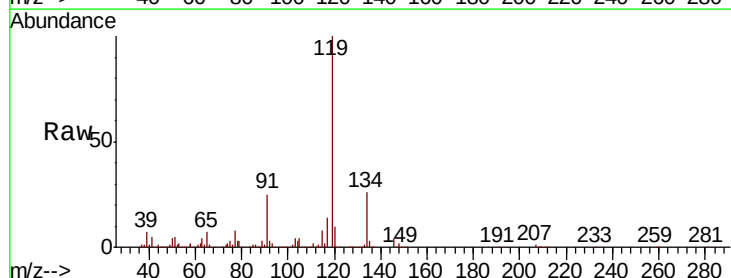
Tgt Ion:119 Resp: 327315

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.4 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

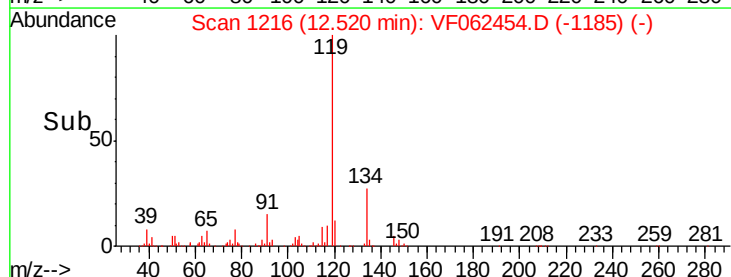
100000

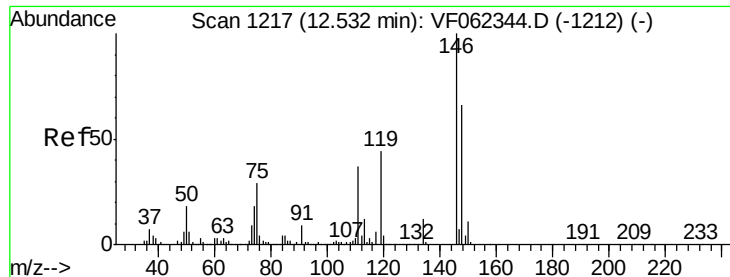
50000

0

12.40 12.50 12.60

Time-->

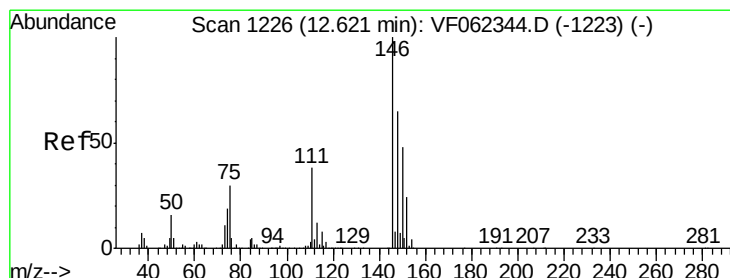
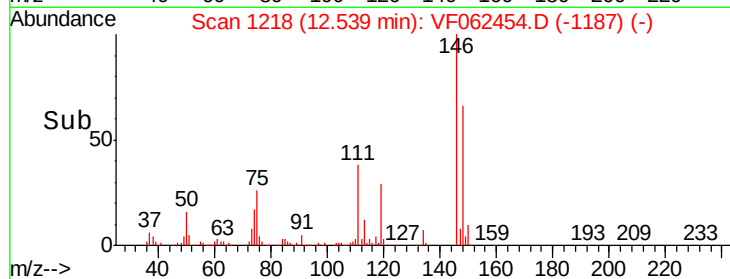
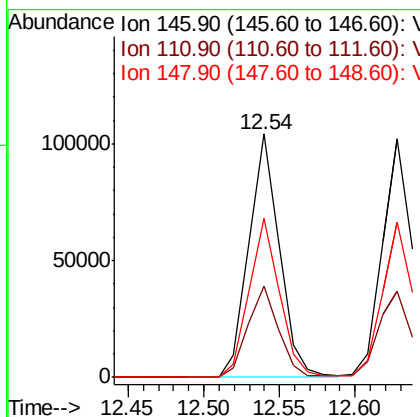
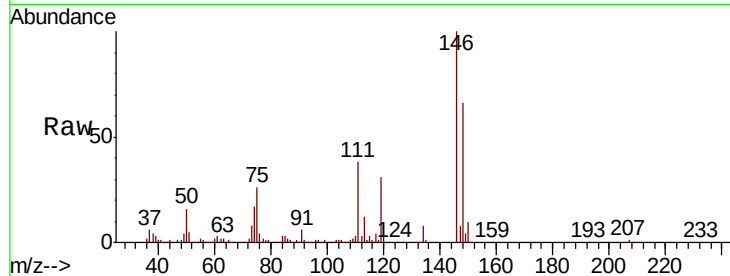




#87
 1,3-Dichlorobenzene
 Concen: 22.181 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

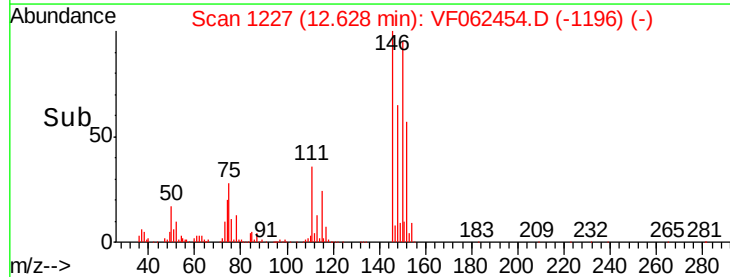
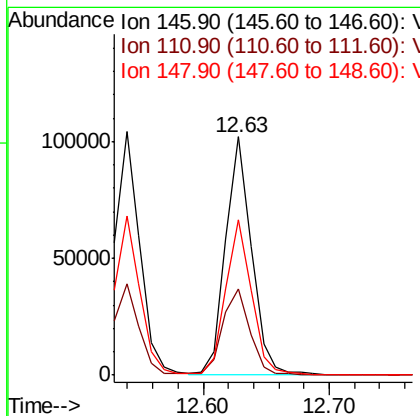
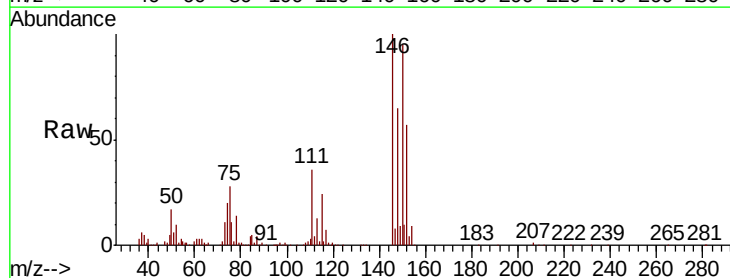
Instrument :
 MSVOA_F
 ClientSampleId :

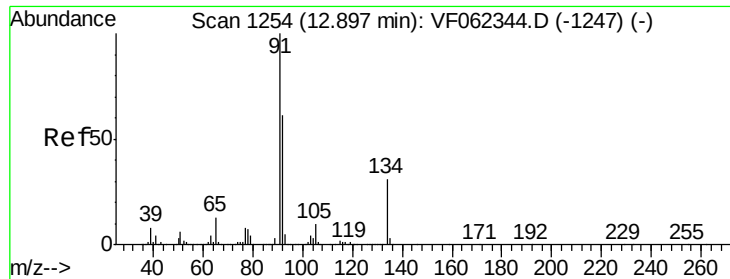
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.8
148	65.4	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.541 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	65.7	32.2	96.6





#89

n-Butylbenzene

Concen: 23.412 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampled :

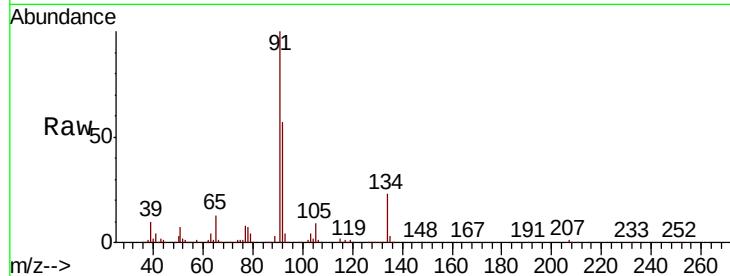
Tot Ion: 91 Resp: 302333

Ion Ratio Lower Upper

91 100

92 56.6 30.0 90.0

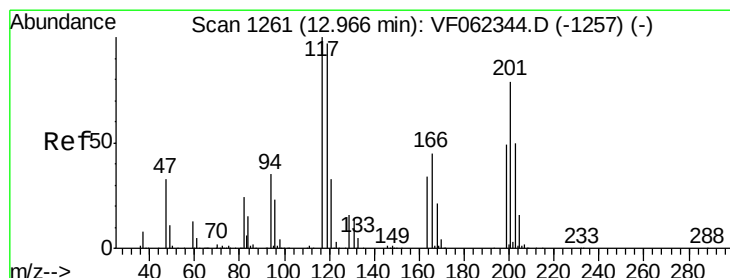
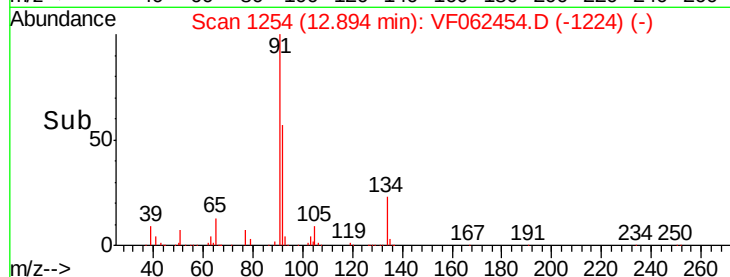
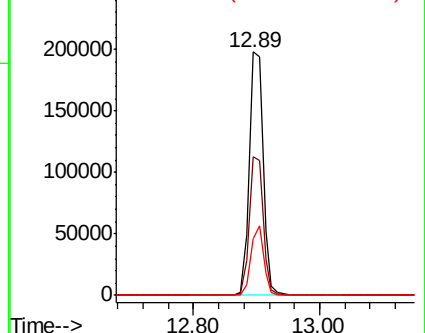
134 26.2 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.829 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062454.D

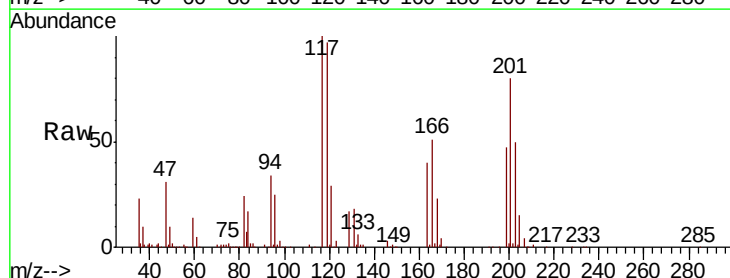
Acq: 11 May 2019 12:28

Tgt Ion: 117 Resp: 75486

Ion Ratio Lower Upper

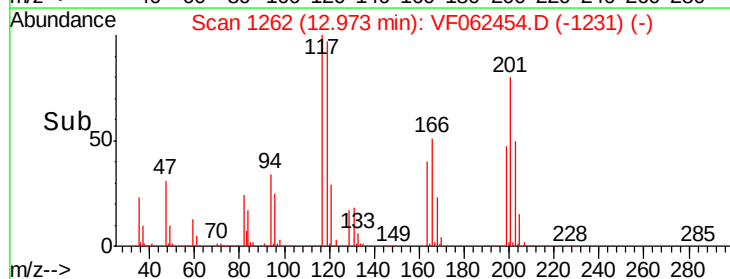
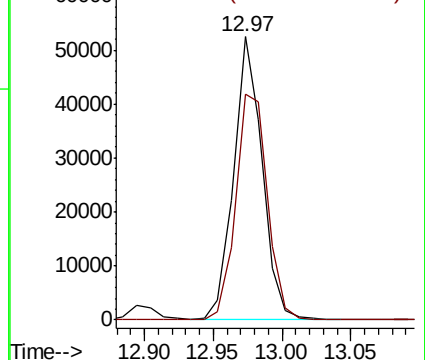
117 100

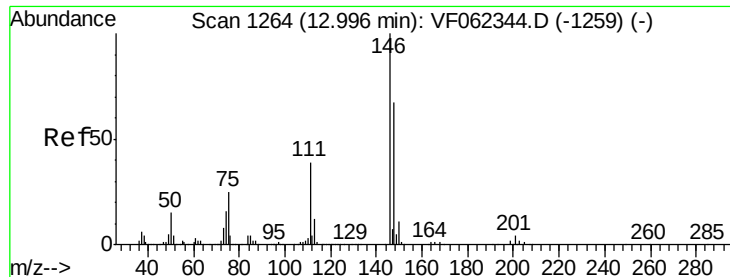
201 88.8 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.106 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

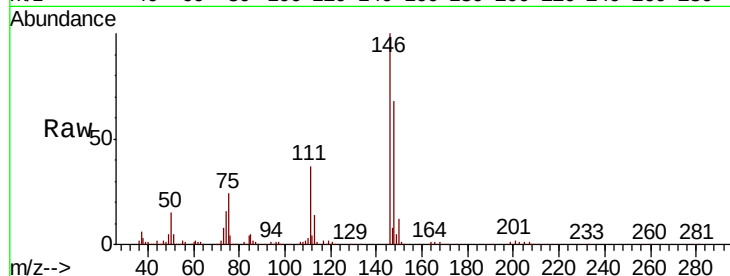
Tot Ion:146 Resp: 142901

Ion Ratio Lower Upper

146 100

111 38.3 20.0 60.0

148 64.3 33.1 99.5

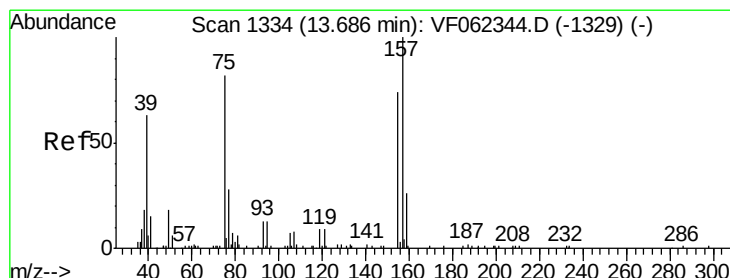
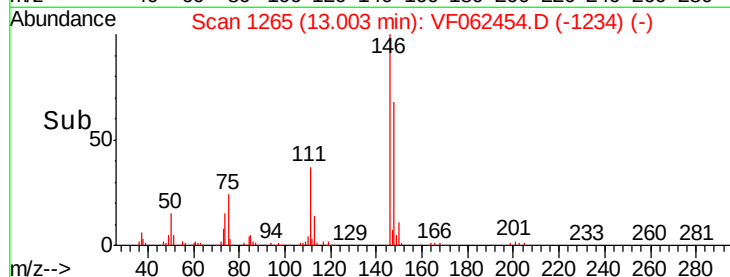
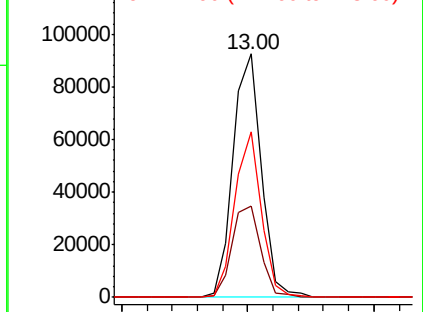


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.823 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

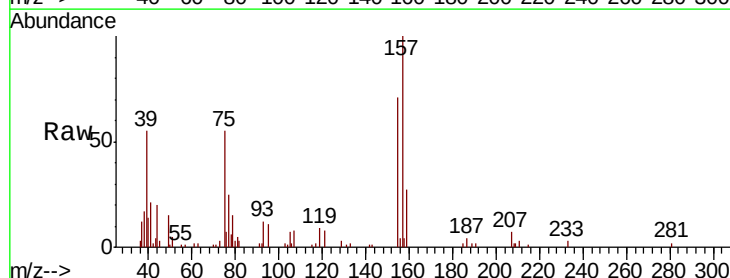
Tgt Ion: 75 Resp: 8711

Ion Ratio Lower Upper

75 100

155 90.6 51.8 155.4

157 140.7 67.3 201.8

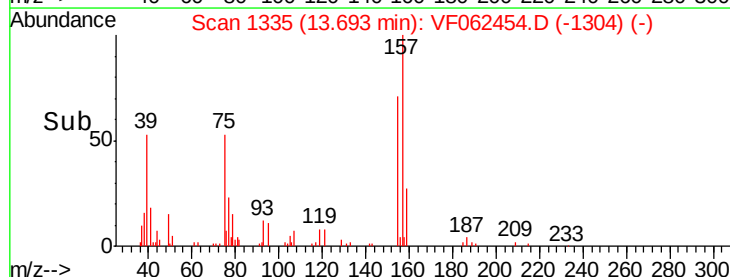
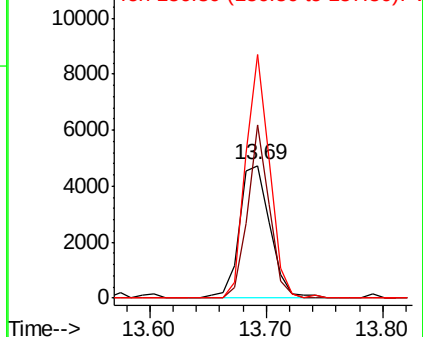


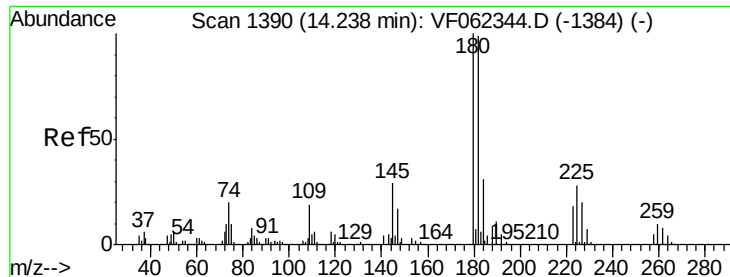
Abundance

Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

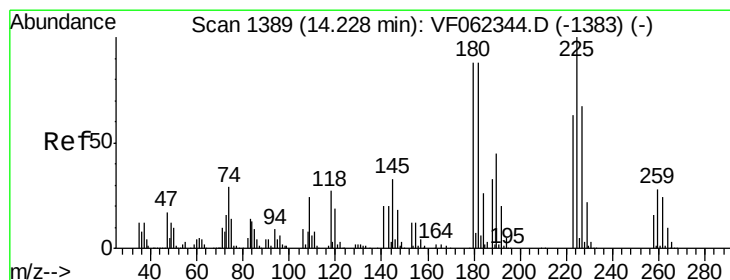
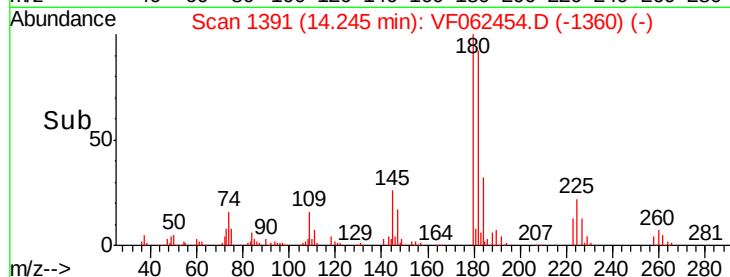
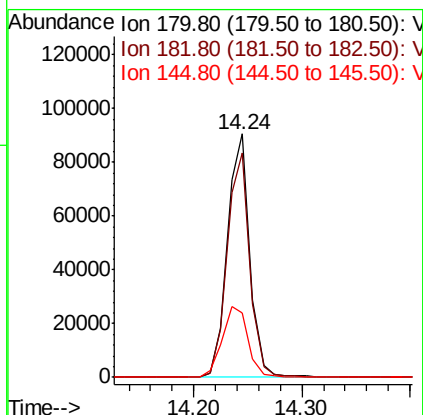
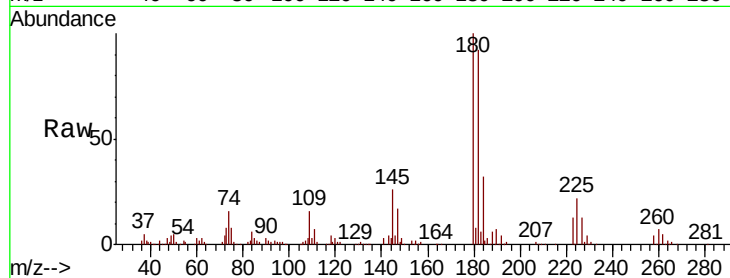




#93
 1,2,4-Trichlorobenzene
 Concen: 22.457 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

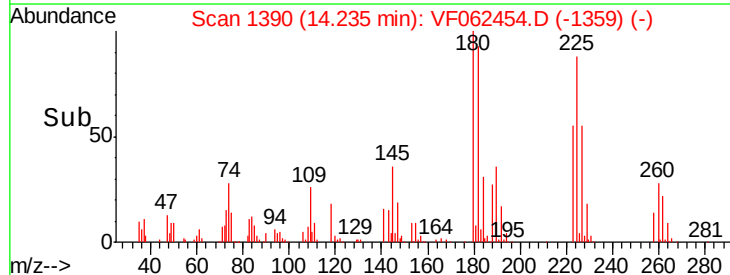
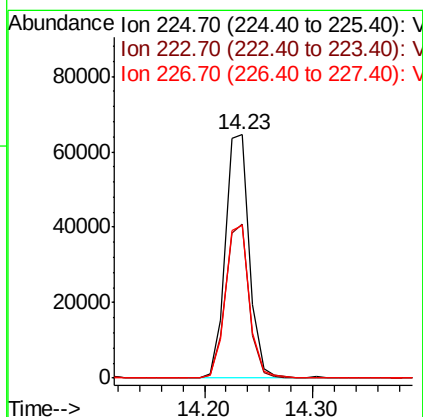
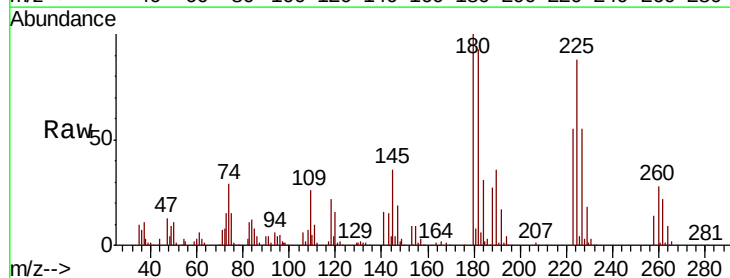
Instrument :
 MSVOA_F
 ClientSampleId :

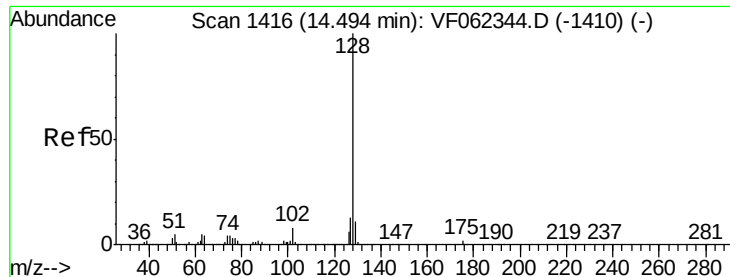
Tot Ion:180 Resp: 130213
 Ion Ratio Lower Upper
 180 100
 182 94.1 49.0 147.0
 145 33.6 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 23.089 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062454.D
 Acq: 11 May 2019 12:28

Tgt Ion:225 Resp: 99782
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.9 95.5
 227 62.7 33.1 99.5





#95

Naphthalene

Concen: 18.426 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

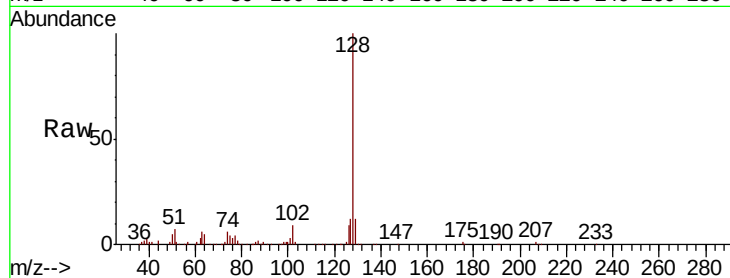
Tot Ion:128 Resp: 160627

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

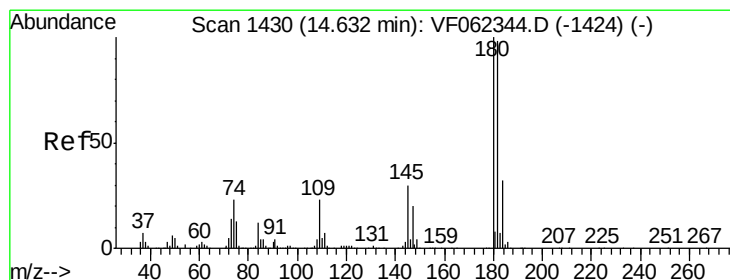
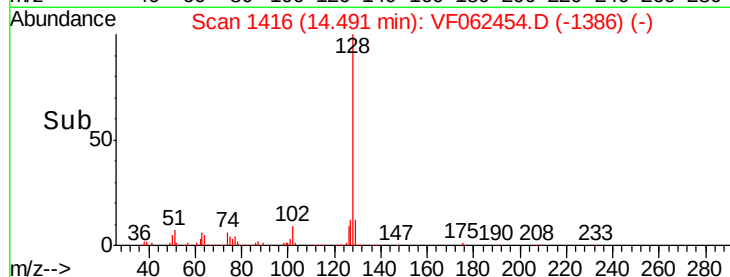
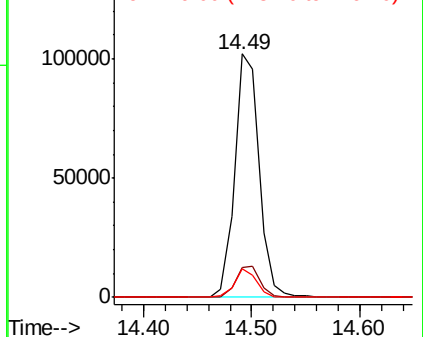
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.427 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062454.D

Acq: 11 May 2019 12:28

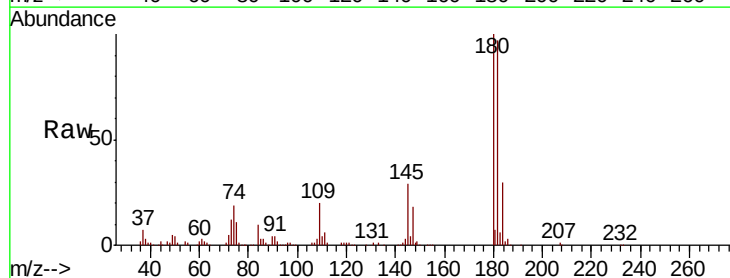
Tgt Ion:180 Resp: 120361

Ion Ratio Lower Upper

180 100

182 99.3 49.4 148.0

145 30.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

