

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062056.D
 Acq On : 21 Mar 2019 13:04
 Operator : VA/AP
 Sample : VF0321SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

Quant Time: Mar 22 08:06:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	284173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	410878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	341892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	187590	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	99056	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	4.11	113	132473	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	7.55	98	384108	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	11.41	95	152729	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	64214	21.197	ug/l	95
3) Chloromethane	1.09	50	68821	22.355	ug/l	90
4) Vinyl Chloride	1.14	62	65979	22.160	ug/l	99
5) Bromomethane	1.33	94	43020	20.568	ug/l	97
6) Chloroethane	1.39	64	32509	21.150	ug/l	99
7) Trichlorofluoromethane	1.47	101	78884	19.998	ug/l	100
8) Diethyl Ether	1.63	74	19267	21.972	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	58602	21.086	ug/l	96
10) Methyl Iodide	1.91	142	81399	16.730	ug/l	99
11) Tert butyl alcohol	2.57	59	12152	97.083	ug/l #	87
12) 1,1-Dichloroethene	1.80	96	51410	21.435	ug/l	91
13) Acrolein	2.00	56	12030	89.028	ug/l	99
14) Allyl chloride	2.10	41	57456	18.767	ug/l	95
15) Acrylonitrile	2.95	53	40927	107.521	ug/l	90
16) Acetone	2.24	43	54824	119.352	ug/l #	86
17) Carbon Disulfide	1.83	76	114516	16.517	ug/l	99
18) Methyl Acetate	2.35	43	23160	22.249	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	89732	20.647	ug/l	97
20) Methylene Chloride	2.25	84	30220	12.609	ug/l	90
21) trans-1,2-Dichloroethene	2.31	96	52984	21.169	ug/l	93
22) Diisopropyl ether	2.80	45	150804	20.478	ug/l	99
23) Vinyl Acetate	3.19	43	334528	115.235	ug/l	97
24) 1,1-Dichloroethane	2.87	63	93131	21.750	ug/l	99
25) 2-Butanone	4.34	43	103573	113.852	ug/l	99
26) 2,2-Dichloropropane	3.60	77	39557	19.585	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	65692	20.824	ug/l	94
28) Bromochloromethane	3.72	49	41053	23.106	ug/l	96
29) Tetrahydrofuran	4.07	42	41132	103.965	ug/l	98
30) Chloroform	3.86	83	98484	20.299	ug/l	99
31) Cyclohexane	3.69	56	53874	12.736	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	67353	20.904	ug/l	98
36) 1,1-Dichloropropene	4.28	75	83243	22.435	ug/l	98
37) Ethyl Acetate	4.11	43	35657	21.403	ug/l	98
38) Carbon Tetrachloride	3.99	117	56449	20.817	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	94295	21.647	ug/l	93
40) Benzene	4.63	78	217351	22.107	ug/l	99
41) Methacrylonitrile	4.74	41	20007	22.477	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	49783	20.340	ug/l	99
43) Isopropyl Acetate	6.96	43	42842	21.734	ug/l #	92
44) Trichloroethene	5.50	130	66213	21.984	ug/l	97
45) 1,2-Dichloropropane	6.24	63	50218	21.583	ug/l	99
46) Dibromomethane	6.08	93	29701	21.458	ug/l	97
47) Bromodichloromethane	6.39	83	68598	21.022	ug/l #	94
48) Methyl methacrylate	6.72	41	25239	19.812	ug/l	93
49) 1,4-Dioxane	6.71	88	5368	473.710	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	156893	112.087	ug/l	96
52) Toluene	7.62	92	124608	20.743	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	56884	20.648	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	78232	21.763	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	34951	20.846	ug/l	97
56) Ethyl methacrylate	8.62	69	43359	22.750	ug/l	92
57) 1,3-Dichloropropane	8.85	76	58010	20.742	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	30135	87.294	ug/l	96
59) 2-Hexanone	9.49	43	118028	116.512	ug/l	99
60) Dibromochloromethane	8.71	129	50474	21.685	ug/l	95
61) 1,2-Dibromoethane	8.98	107	38929	21.646	ug/l	99
64) Tetrachloroethene	8.15	164	54578	21.961	ug/l	97
65) Chlorobenzene	9.80	112	139868	21.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	56565	22.925	ug/l	98
67) Ethyl Benzene	9.90	91	240467	22.063	ug/l	100
68) m/p-Xylenes	10.13	106	185445	45.239	ug/l	96
69) o-Xylene	10.72	106	95111	21.684	ug/l	100
70) Styrene	10.79	104	129107	21.246	ug/l	96
71) Bromoform	10.78	173	26943	21.589	ug/l	99
73) Isopropylbenzene	11.12	105	274337	21.168	ug/l	96
74) N-amyl acetate	11.37	43	67859	22.851	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	47966	22.423	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	32116	21.470	ug/l	100
77) Bromobenzene	11.50	156	64217	21.397	ug/l	96
78) n-propylbenzene	11.59	91	320109	21.481	ug/l	99
79) 2-Chlorotoluene	11.72	91	183846	21.857	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	230520	22.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	19657	29.705	ug/l	95
82) 4-Chlorotoluene	11.90	91	181936	21.389	ug/l	99
83) tert-Butylbenzene	12.13	119	248613	22.708	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	233039	22.224	ug/l	95
85) sec-Butylbenzene	12.30	105	321281	21.720	ug/l	99
86) p-Isopropyltoluene	12.46	119	278866	22.593	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	128815	21.838	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	120151	21.163	ug/l	98
89) n-Butylbenzene	12.85	91	264657	22.818	ug/l	97
90) Hexachloroethane	12.92	117	64536	22.911	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	123170	22.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7585	22.096	ug/l	79

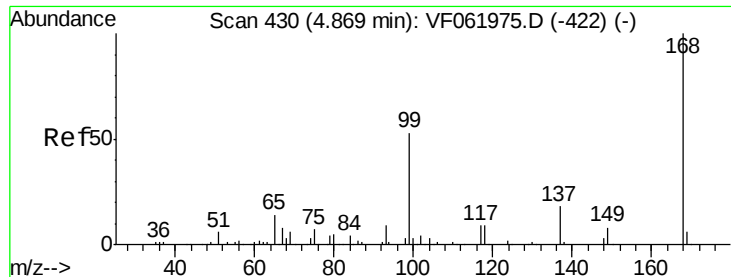
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	83181	21.864	ug/l	95
94) Hexachlorobutadiene	14.19	225	54115	21.426	ug/l	96
95) Naphthalene	14.45	128	143377	20.954	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	75672	21.620	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

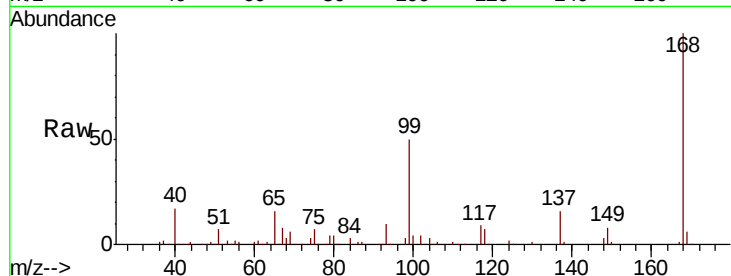
VF0321SBS01

Tgt Ion:168 Resp: 284173

Ion Ratio Lower Upper

168 100

99 50.2 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

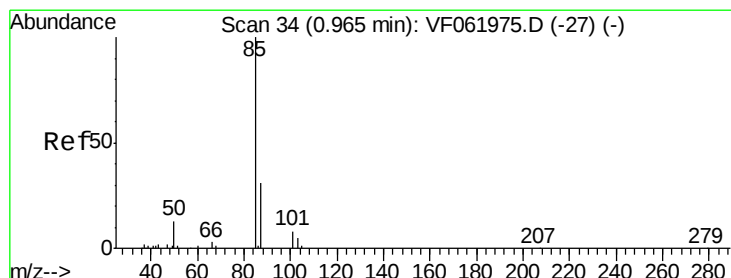
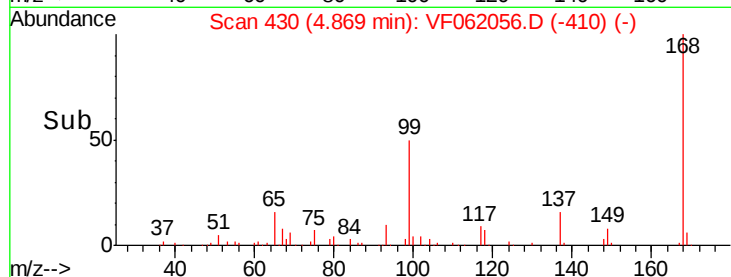
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 21.197 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062056.D

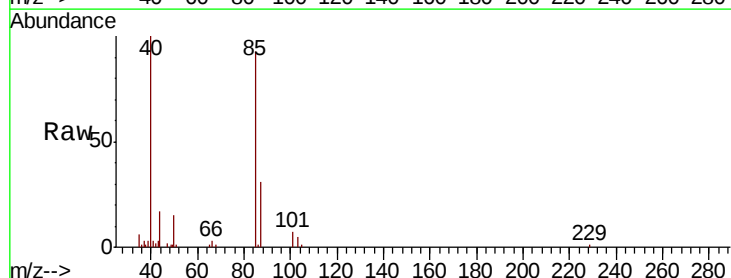
Acq: 21 Mar 2019 13:04

Tgt Ion: 85 Resp: 64214

Ion Ratio Lower Upper

85 100

87 33.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

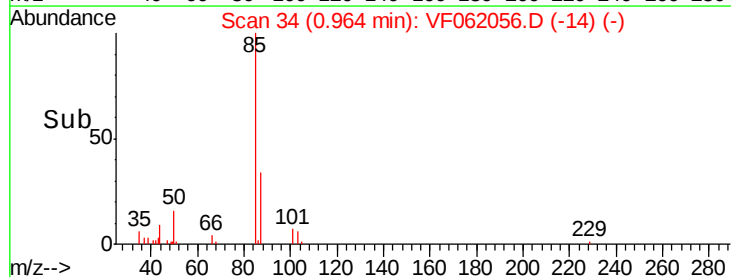
15000

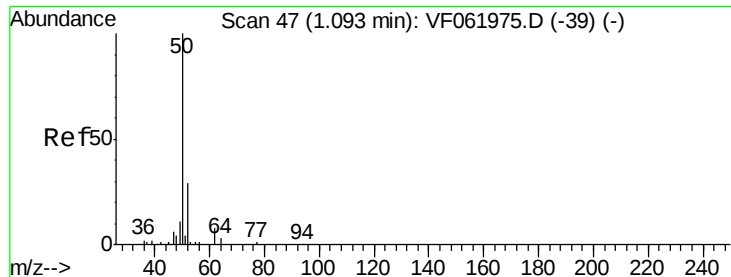
10000

5000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 22.355 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

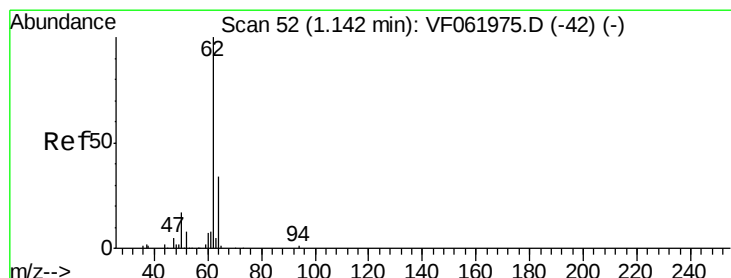
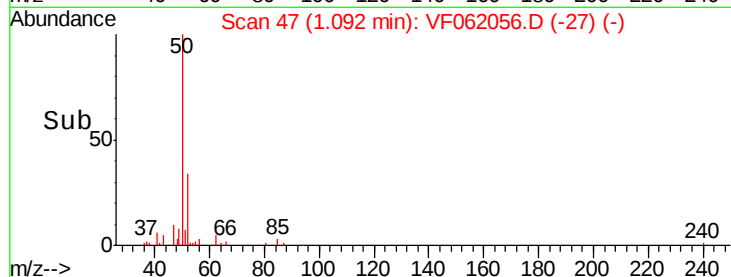
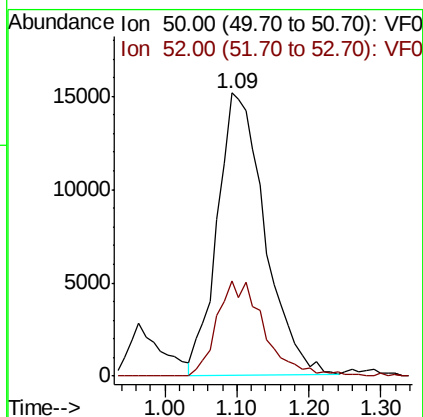
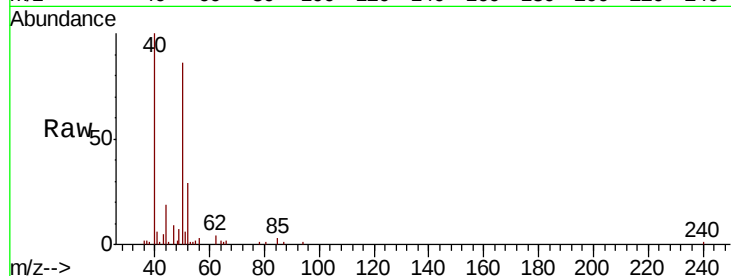
VF0321SBS01

Tgt Ion: 50 Resp: 68821

Ion Ratio Lower Upper

50 100

52 33.6 22.6 34.0



#4

Vinyl Chloride

Concen: 22.160 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062056.D

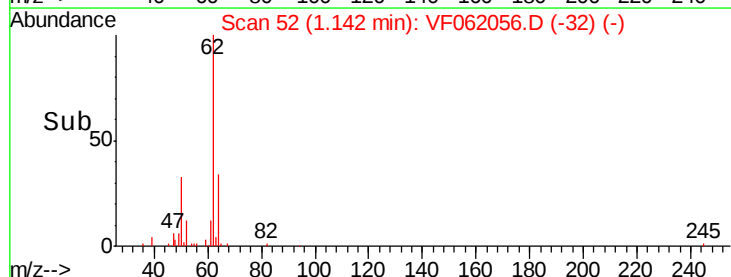
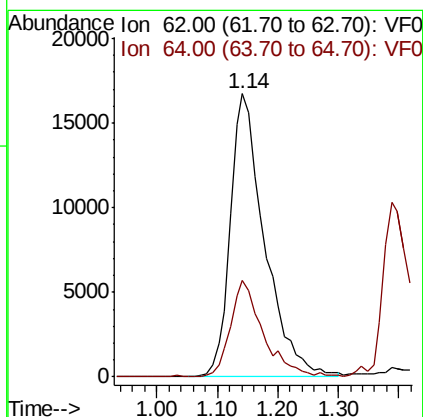
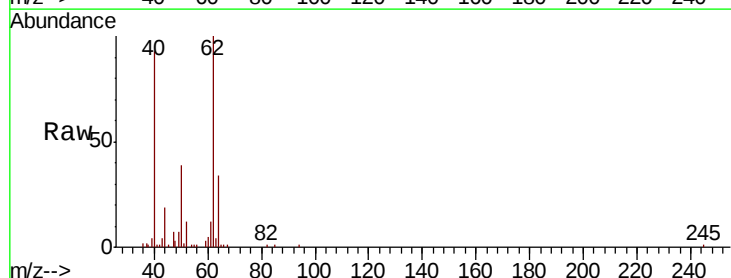
Acq: 21 Mar 2019 13:04

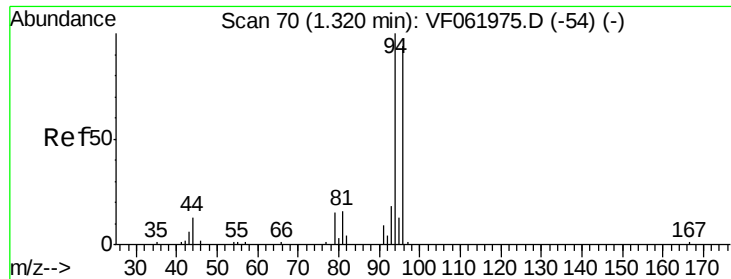
Tgt Ion: 62 Resp: 65979

Ion Ratio Lower Upper

62 100

64 33.9 27.4 41.2





#5

Bromomethane

Concen: 20.568 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

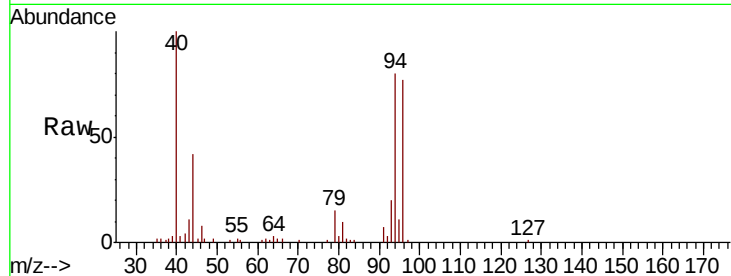
VF0321SBS01

Tgt Ion: 94 Resp: 43020

Ion Ratio Lower Upper

94 100

96 97.1 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

6000

4000

2000

0

Time--> 1.10 1.20 1.30 1.40 1.50

1.33

1.33

1.33

1.33

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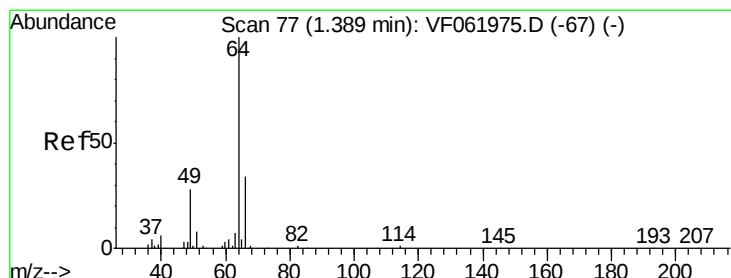
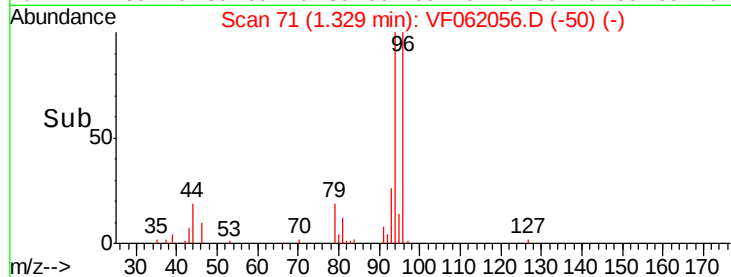
1.33

1.33

1.33

1.33

1.33



#6

Chloroethane

Concen: 21.150 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF062056.D

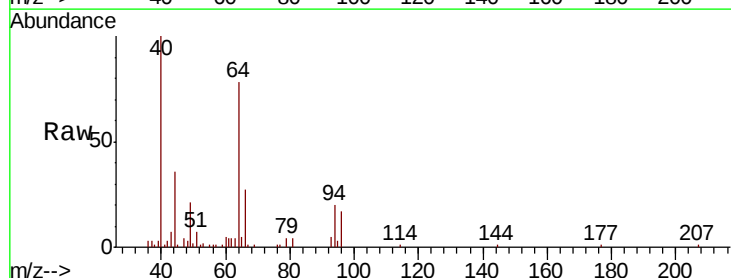
Acq: 21 Mar 2019 13:04

Tgt Ion: 64 Resp: 32509

Ion Ratio Lower Upper

64 100

66 34.2 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

12000

10000

8000

6000

4000

2000

0

Time--> 1.30 1.40 1.50

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

1.39

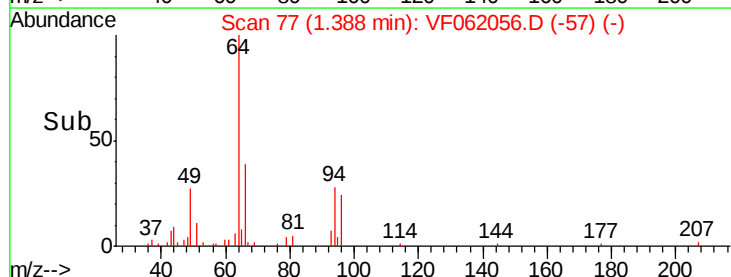
1.39

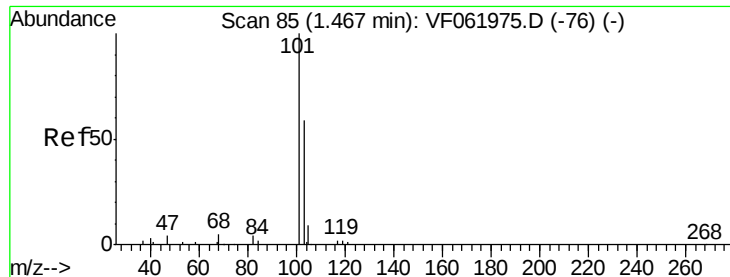
1.39

1.39

1.39

1.39





#7

Trichlorofluoromethane

Concen: 19.998 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

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ClientSampleId :

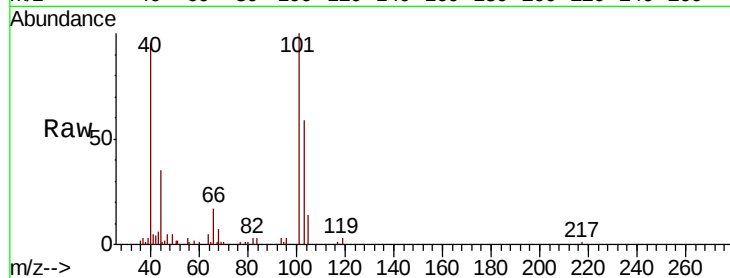
VF0321SBS01

Tgt Ion:101 Resp: 78884

Ion Ratio Lower Upper

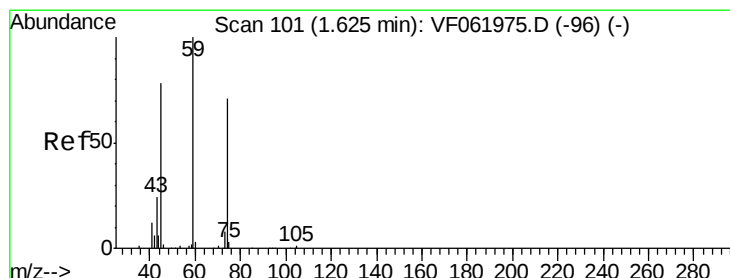
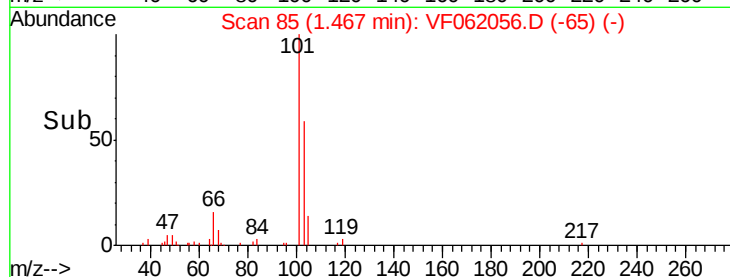
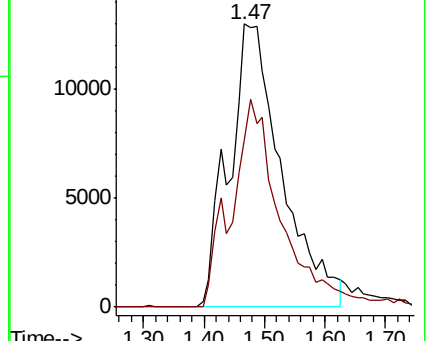
101 100

103 59.1 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.972 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF062056.D

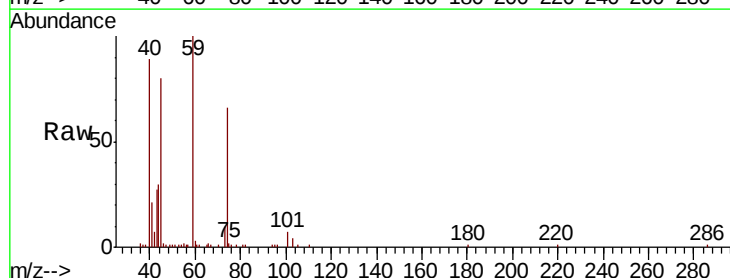
Acq: 21 Mar 2019 13:04

Tgt Ion: 74 Resp: 19267

Ion Ratio Lower Upper

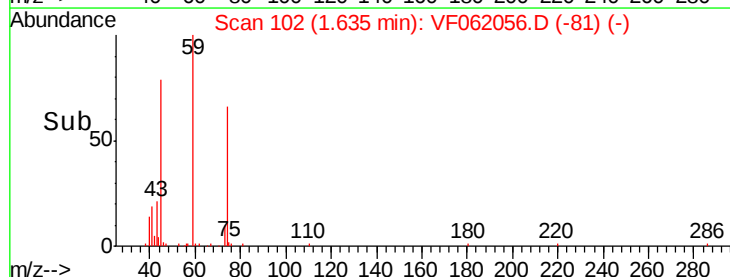
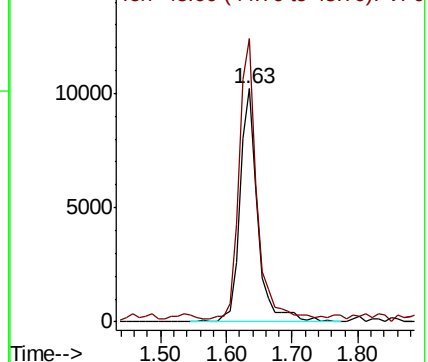
74 100

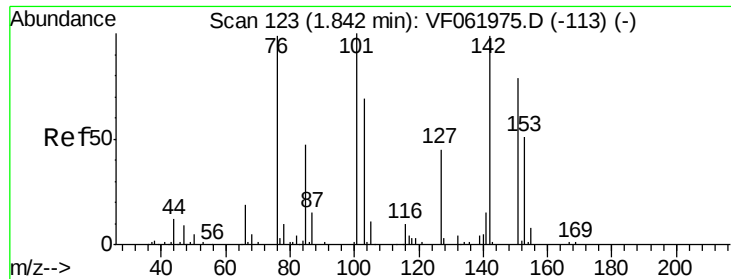
45 121.3 56.3 168.8



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: 21.086 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

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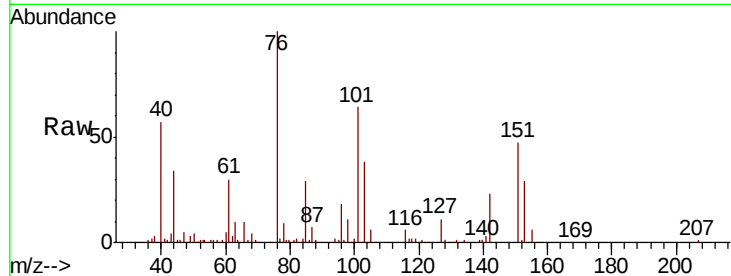
Tgt Ion:101 Resp: 58602

Ion Ratio Lower Upper

101 100

85 44.7 36.8 55.2

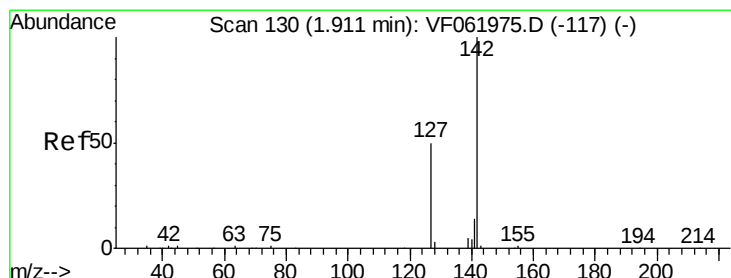
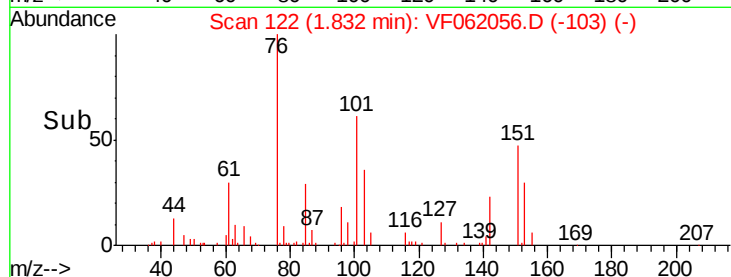
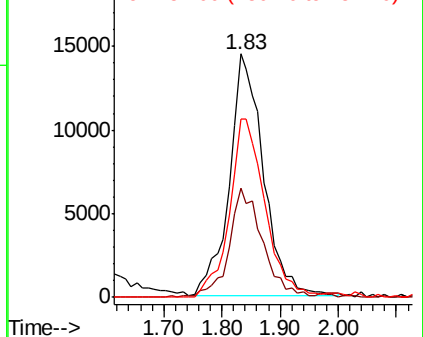
151 73.1 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.730 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

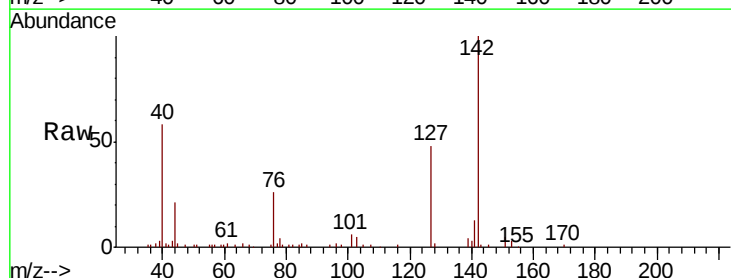
Tgt Ion:142 Resp: 81399

Ion Ratio Lower Upper

142 100

127 48.3 39.7 59.5

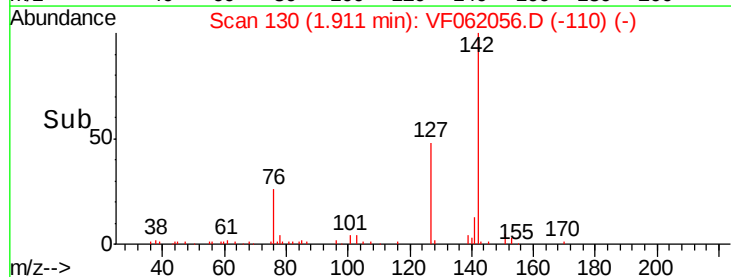
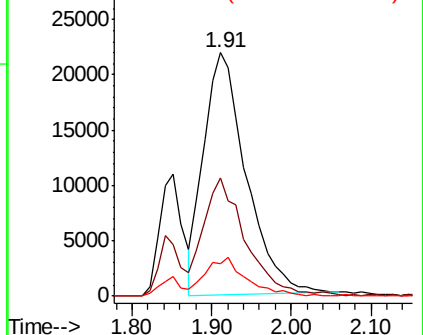
141 13.4 10.8 16.2

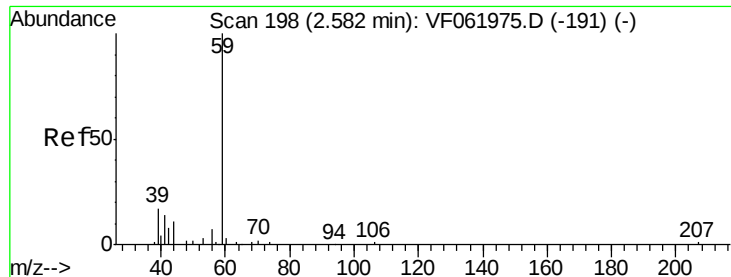


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

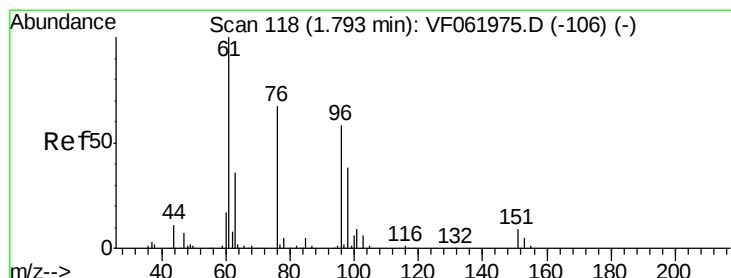
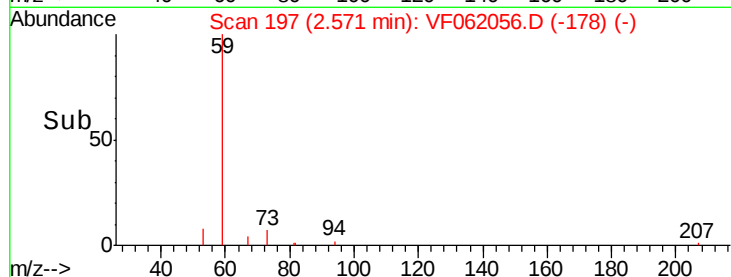
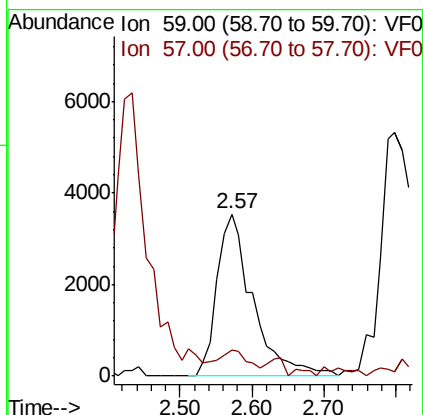
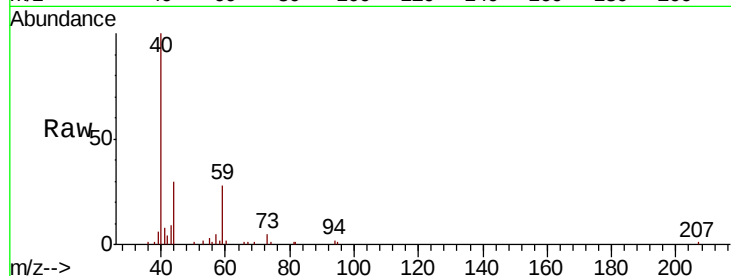




#11
Tert butyl alcohol
Concen: 97.083 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

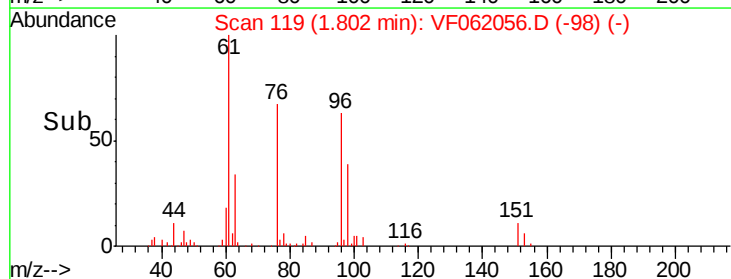
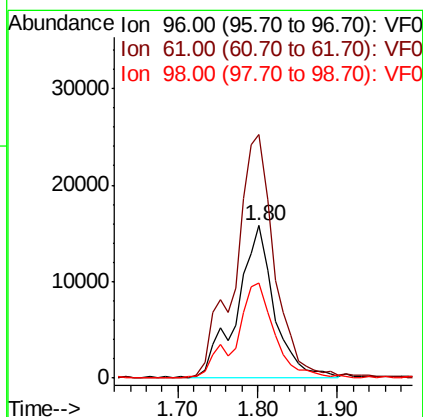
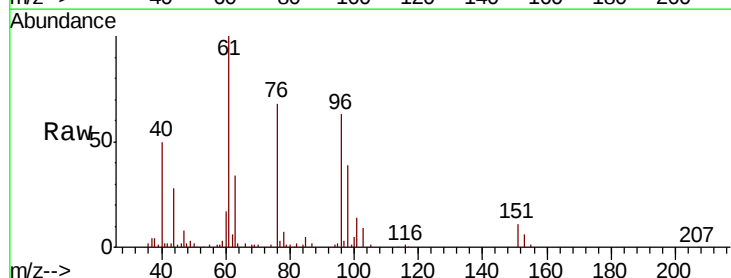
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

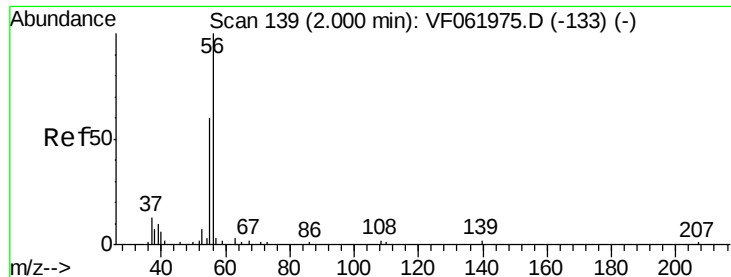
Tgt Ion: 59 Resp: 12152
Ion Ratio Lower Upper
59 100
57 16.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 21.435 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 96 Resp: 51410
Ion Ratio Lower Upper
96 100
61 159.7 138.6 208.0
98 62.3 53.2 79.8





#13

Acrolein

Concen: 89.028 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

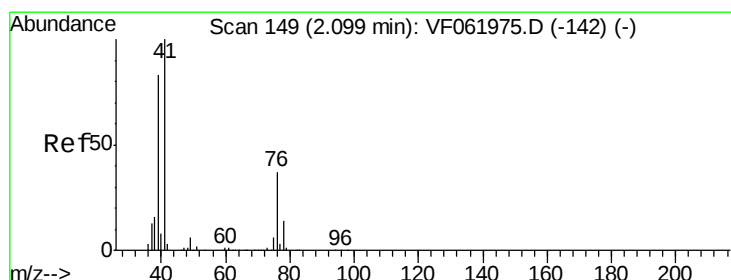
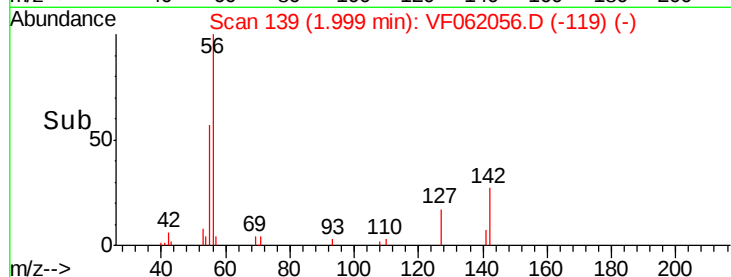
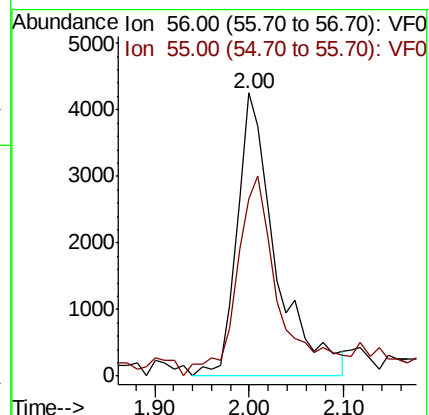
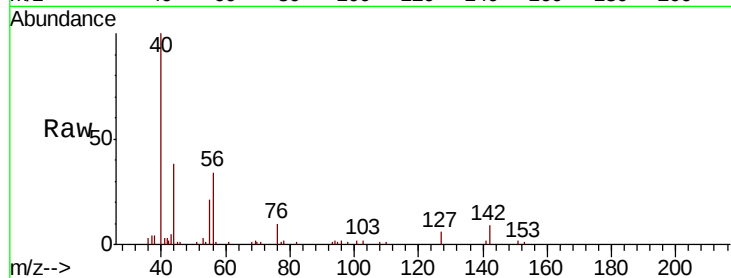
VF0321SBS01

Tgt Ion: 56 Resp: 12030

Ion Ratio Lower Upper

56 100

55 62.5 49.1 73.7



#14

Allyl chloride

Concen: 18.767 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

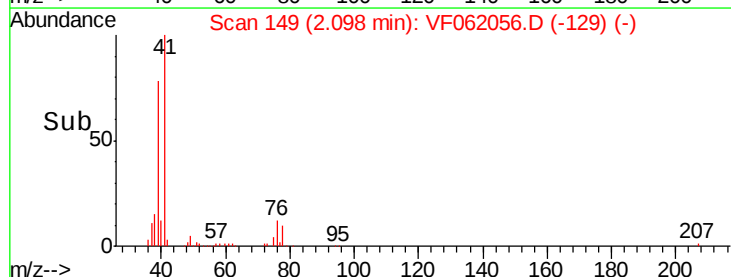
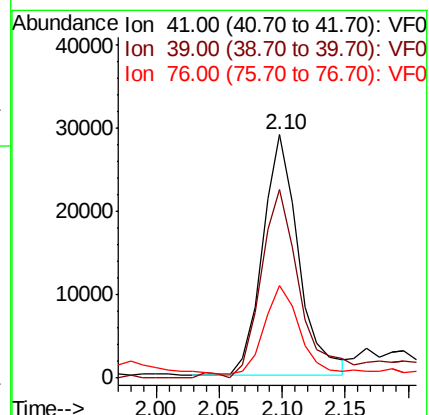
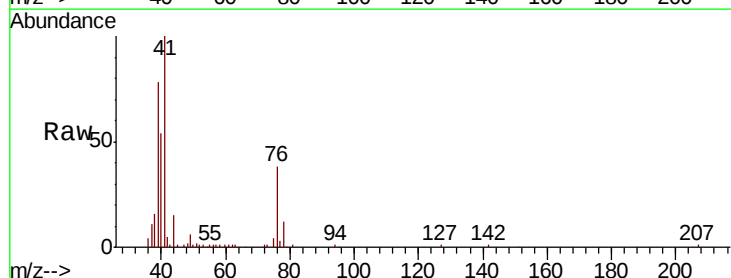
Tgt Ion: 41 Resp: 57456

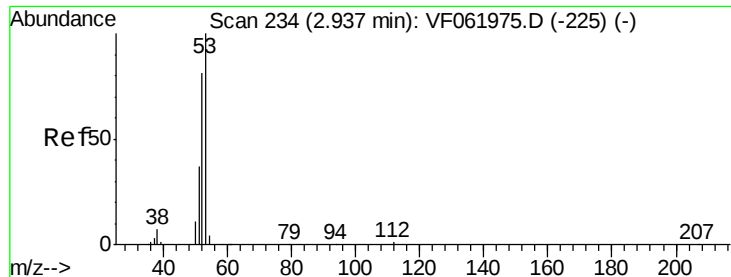
Ion Ratio Lower Upper

41 100

39 77.7 66.8 100.2

76 38.1 31.1 46.7





#15

Acrylonitrile

Concen: 107.521 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

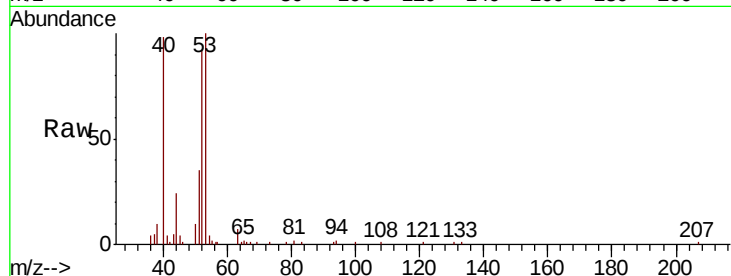
Tgt Ion: 53 Resp: 40927

Ion Ratio Lower Upper

53 100

52 91.7 64.4 96.6

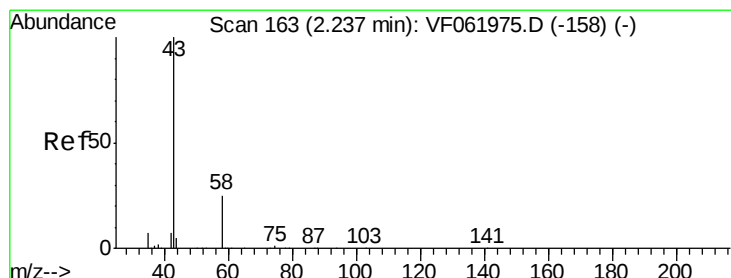
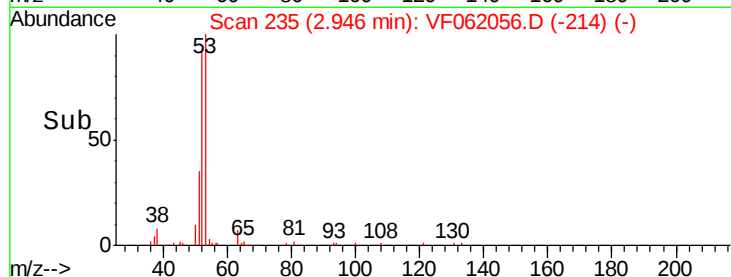
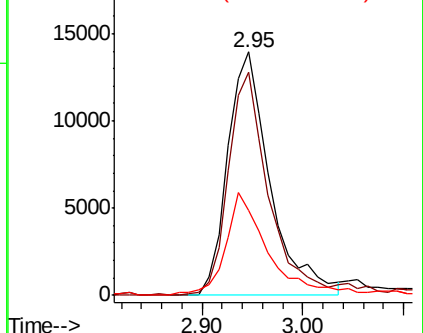
51 35.1 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 119.352 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF062056.D

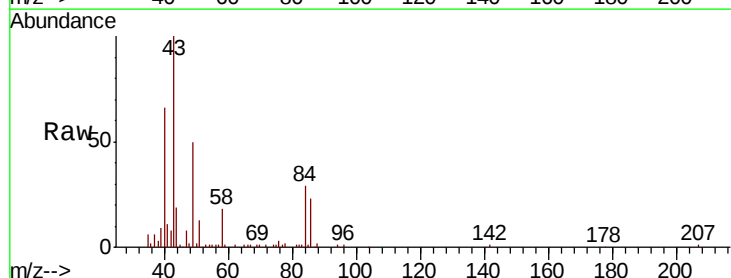
Acq: 21 Mar 2019 13:04

Tgt Ion: 43 Resp: 54824

Ion Ratio Lower Upper

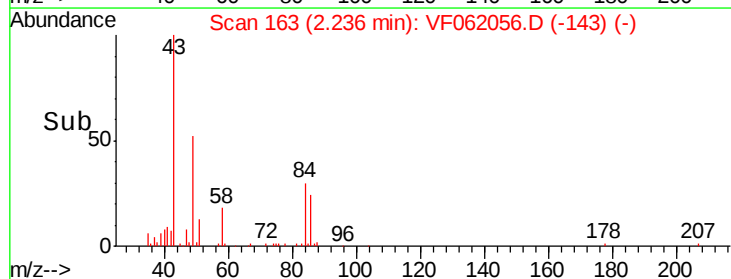
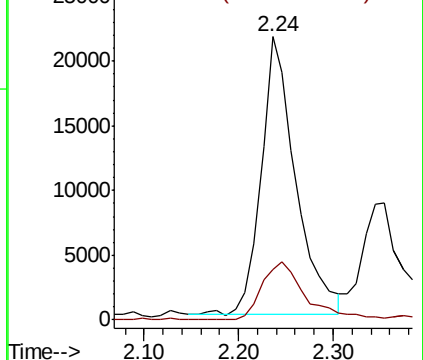
43 100

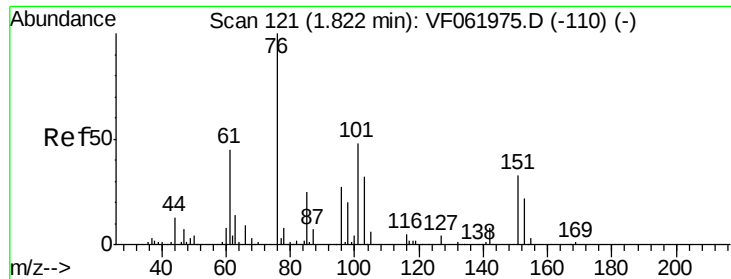
58 17.8 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

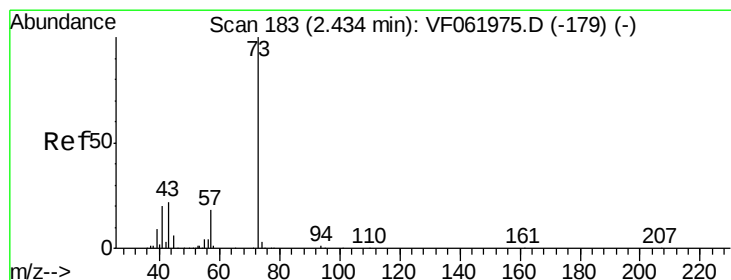
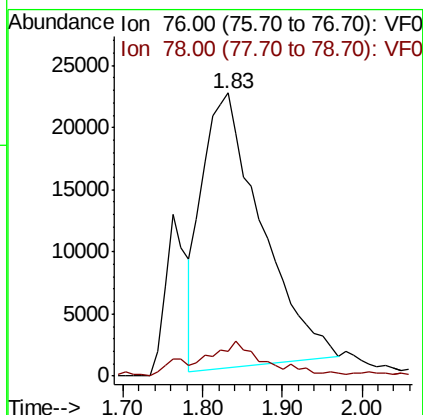
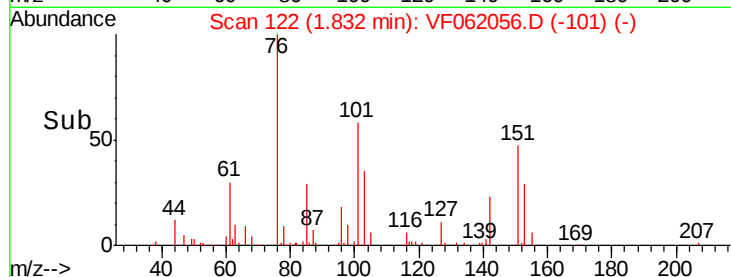
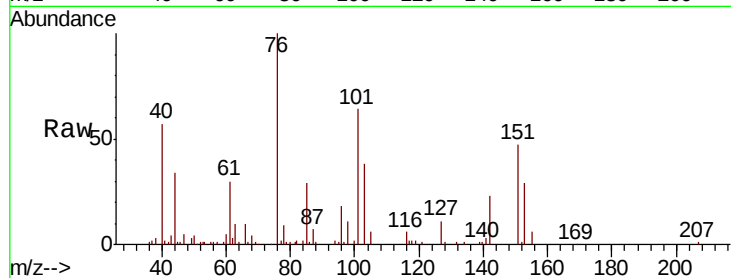




#17
Carbon Disulfide
Concen: 16.517 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

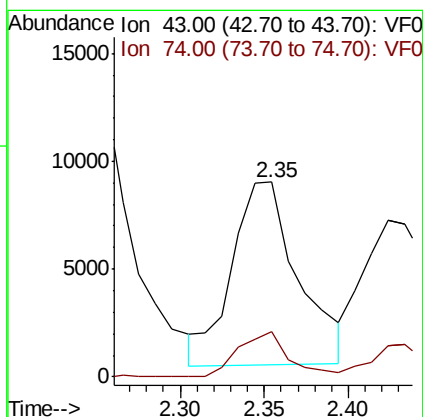
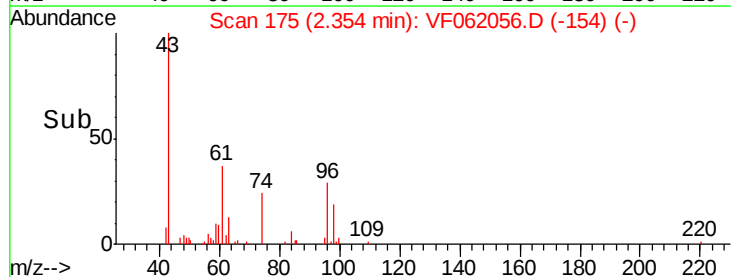
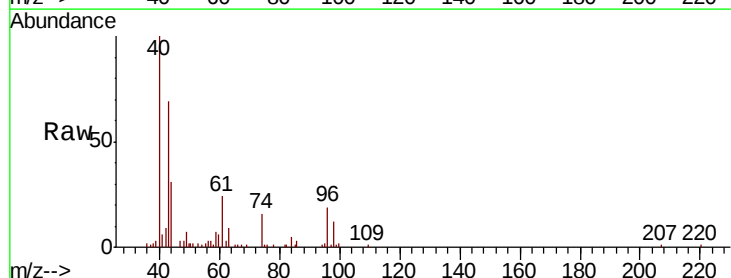
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

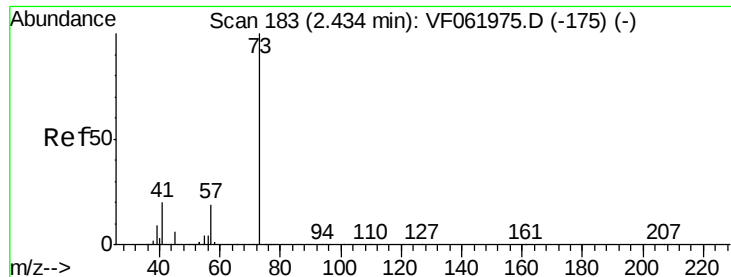
Tgt Ion: 76 Resp: 114516
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 22.249 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 43 Resp: 23160
Ion Ratio Lower Upper
43 100
74 23.2 18.3 27.5

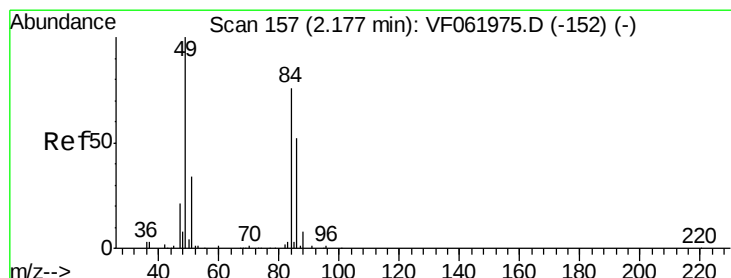
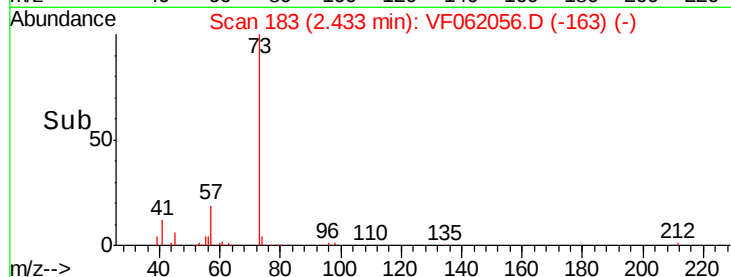
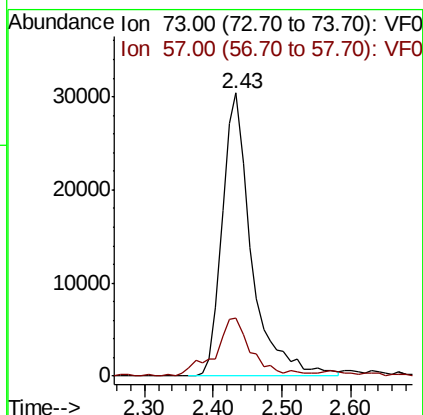
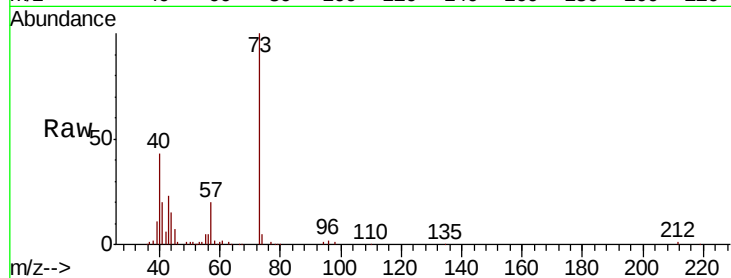




#19
Methyl tert-butyl Ether
Concen: 20.647 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

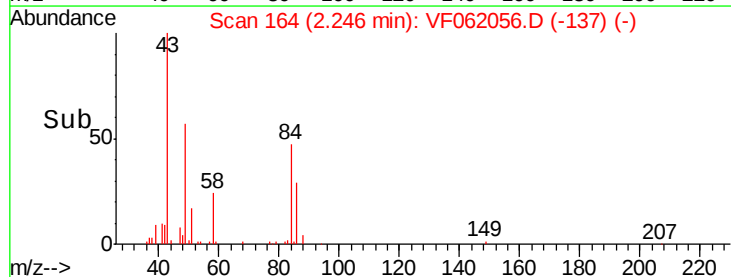
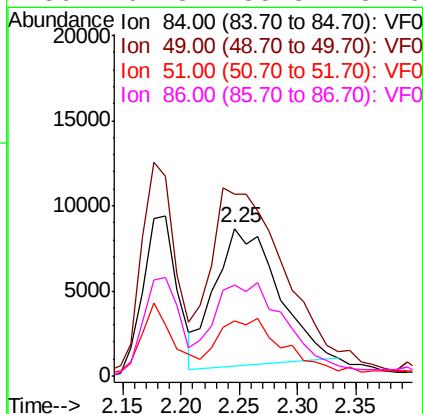
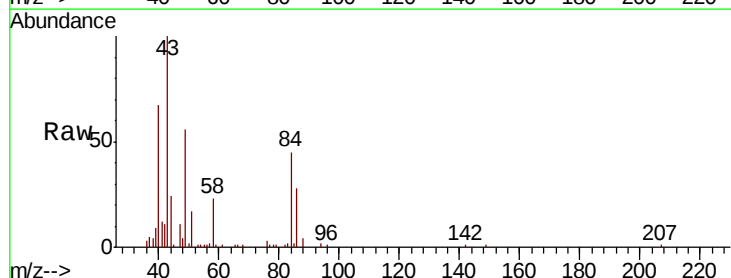
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

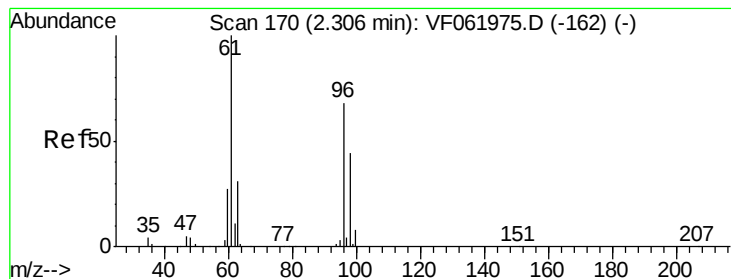
Tgt Ion: 73 Resp: 89732
Ion Ratio Lower Upper
73 100
57 20.4 15.3 22.9



#20
Methylene Chloride
Concen: 12.609 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.07 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 84 Resp: 30220
Ion Ratio Lower Upper
84 100
49 122.8 107.0 160.6
51 37.4 37.2 55.8
86 61.8 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 21.169 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

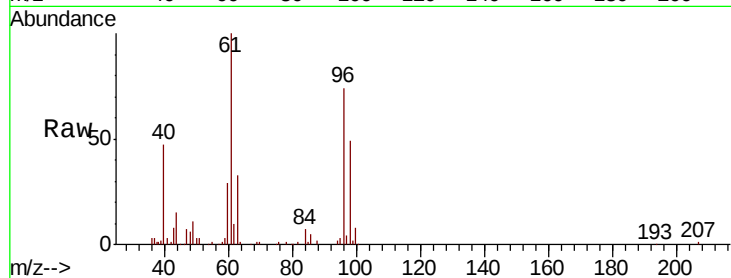
Tgt Ion: 96 Resp: 52984

Ion Ratio Lower Upper

96 100

61 135.7 117.4 176.2

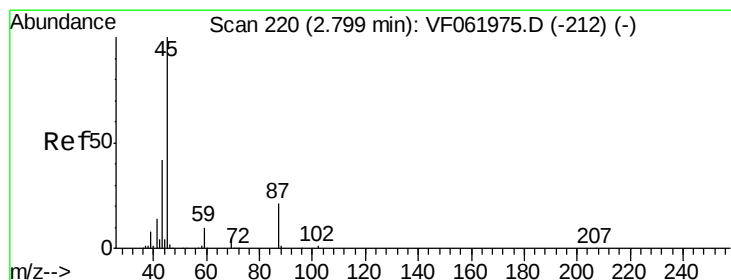
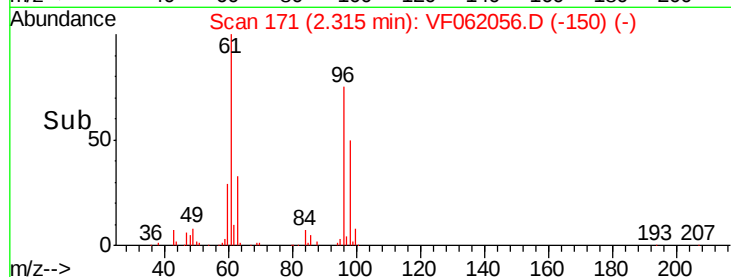
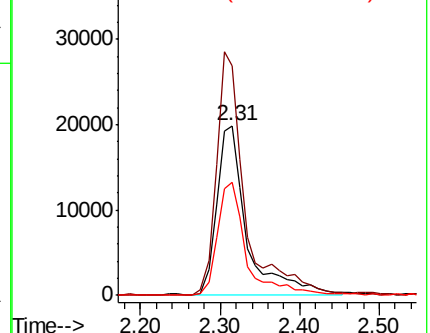
98 66.4 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.478 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion: 45 Resp: 150804

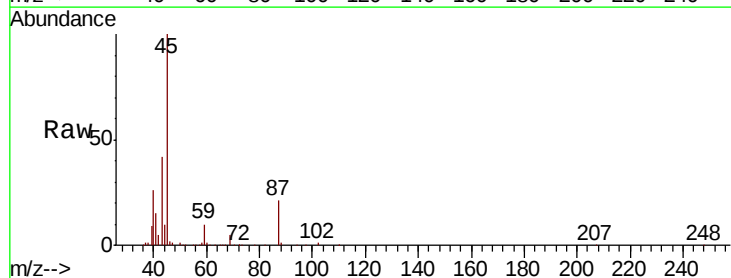
Ion Ratio Lower Upper

45 100

43 41.9 33.7 50.5

87 20.5 17.1 25.7

59 10.4 8.0 12.0

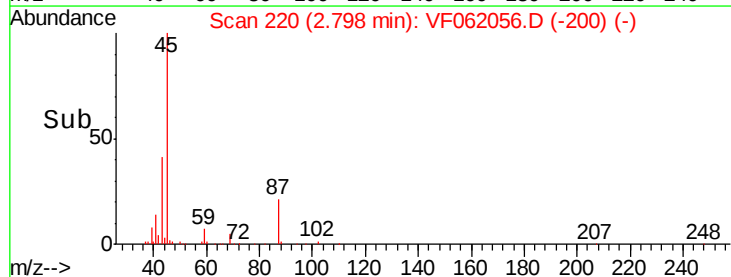
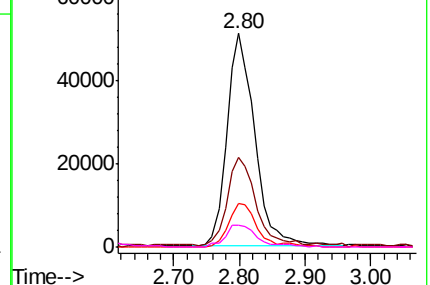


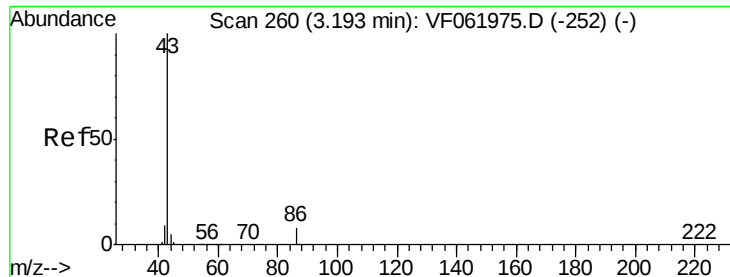
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 115.235 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

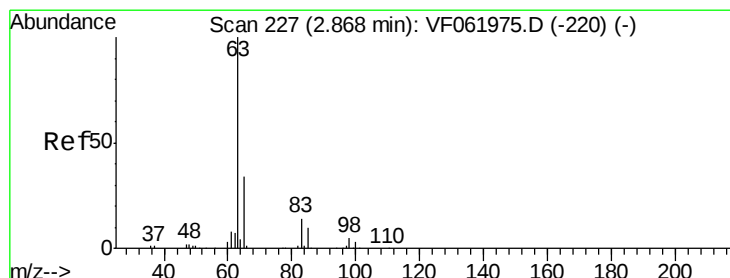
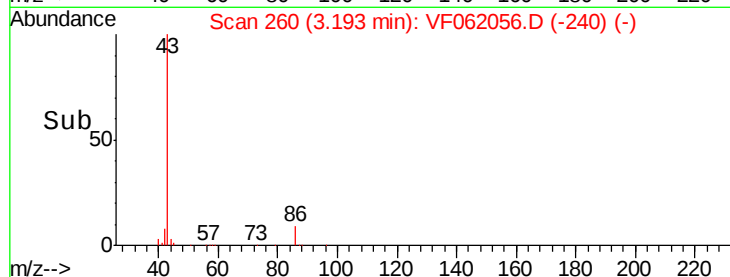
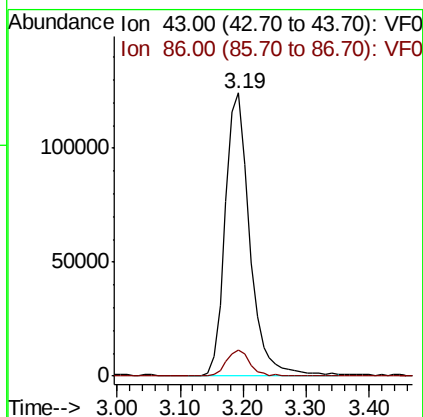
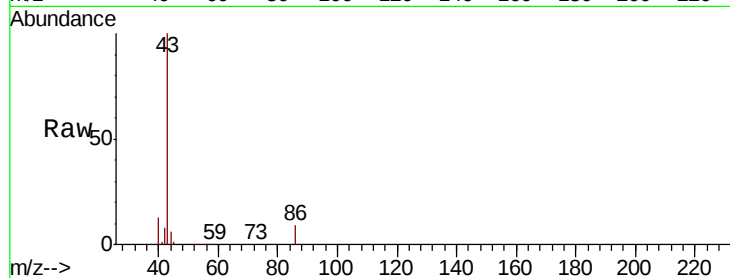
VF0321SBS01

Tgt Ion: 43 Resp: 334528

Ion Ratio Lower Upper

43 100

86 9.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.750 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

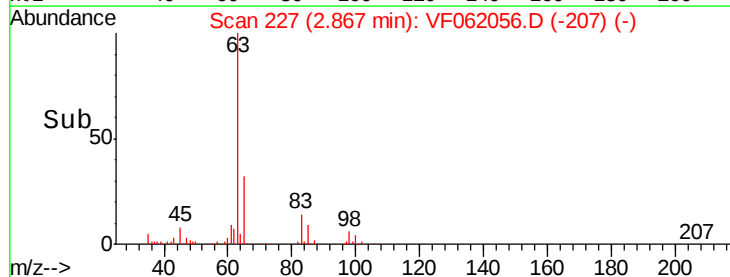
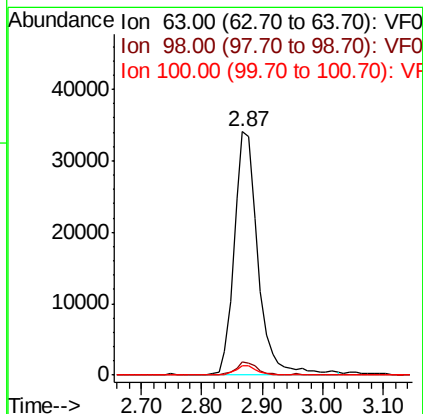
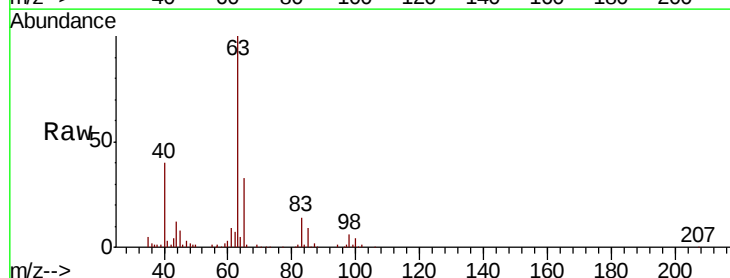
Tgt Ion: 63 Resp: 93131

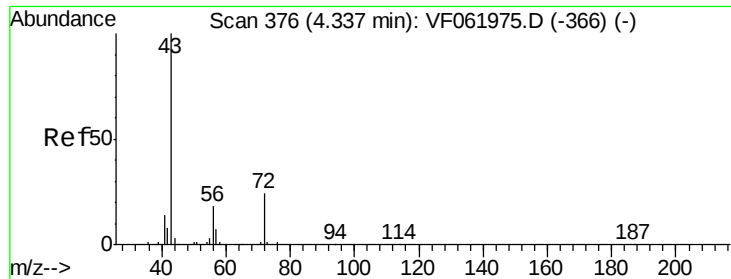
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 3.9 1.7 5.0





#25

2-Butanone

Concen: 113.852 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

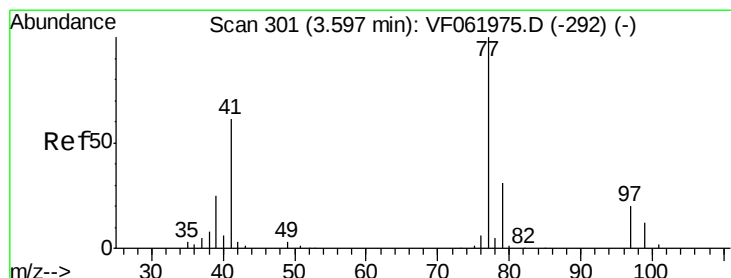
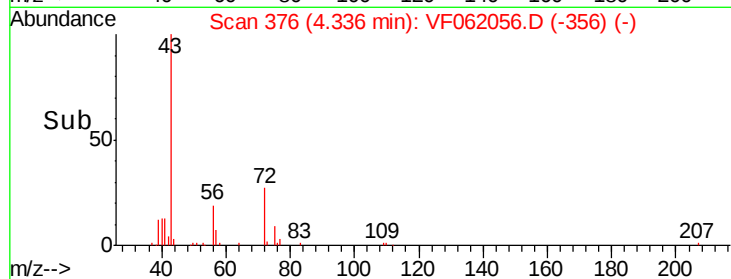
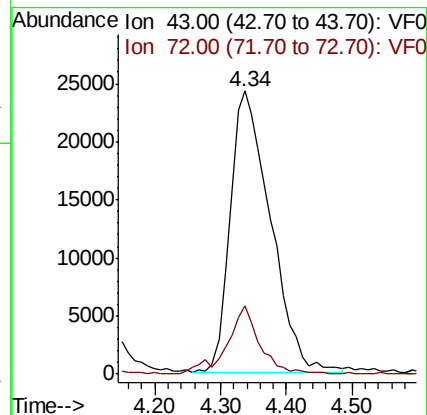
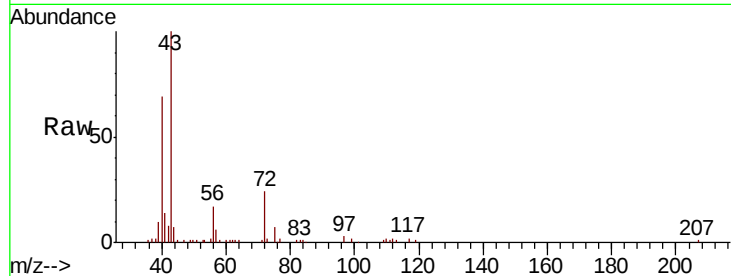
VF0321SBS01

Tgt Ion: 43 Resp: 103573

Ion Ratio Lower Upper

43 100

72 24.3 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.585 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF062056.D

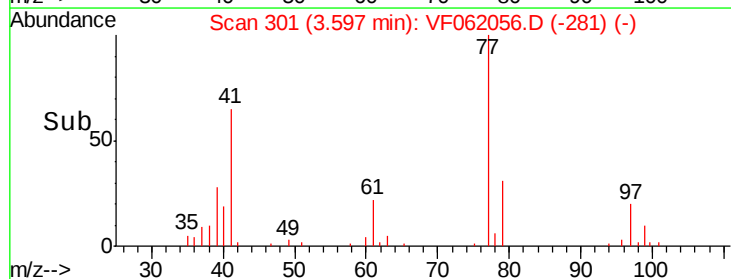
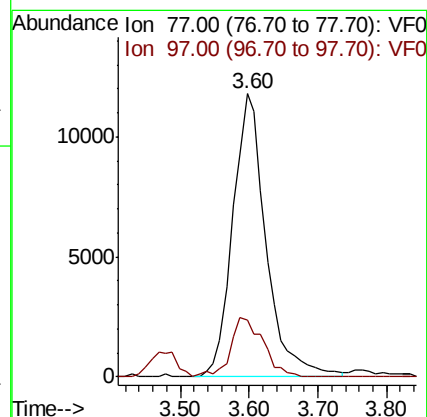
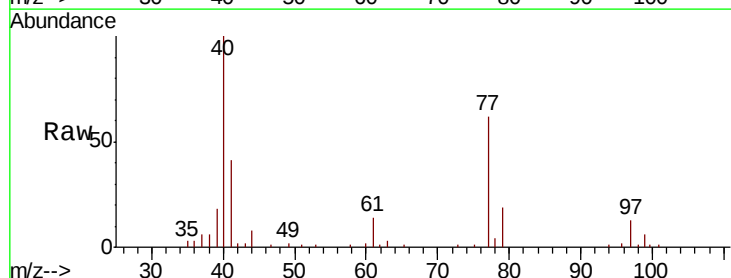
Acq: 21 Mar 2019 13:04

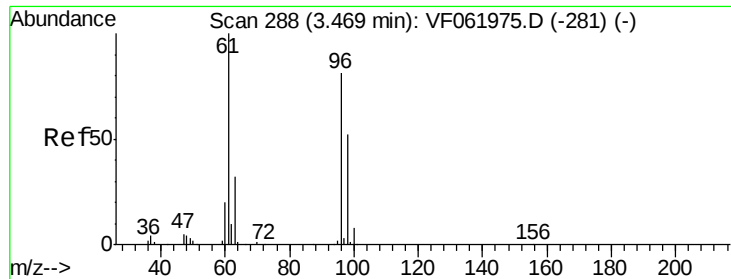
Tgt Ion: 77 Resp: 39557

Ion Ratio Lower Upper

77 100

97 20.2 10.8 32.4



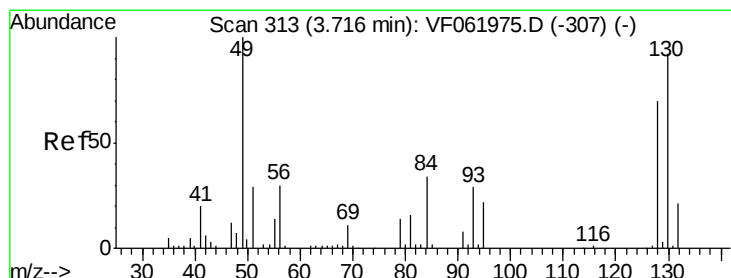
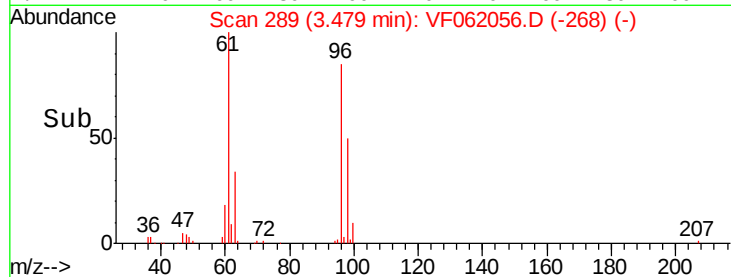
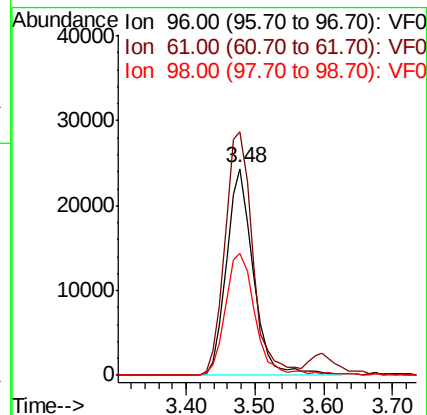
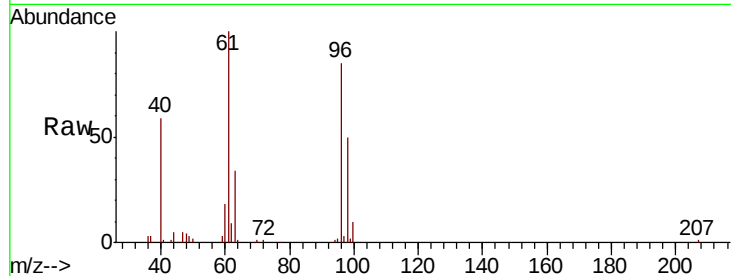


#27

cis-1,2-Dichloroethene
 Concen: 20.824 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

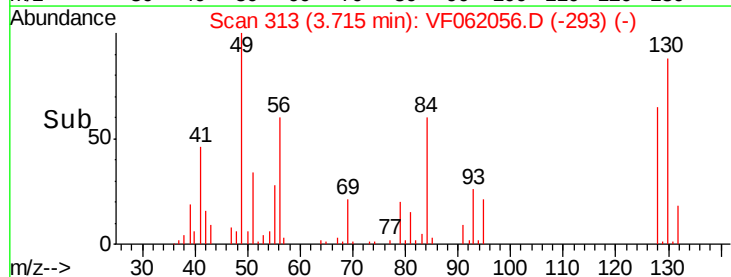
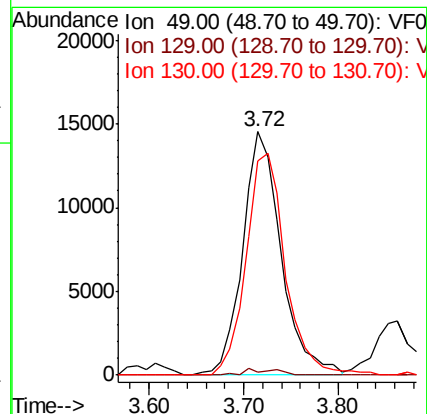
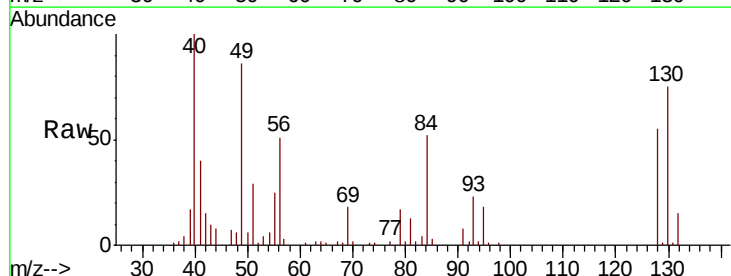
Tgt Ion: 96 Resp: 65692
 Ion Ratio Lower Upper
 96 100
 61 117.7 0.0 246.6
 98 58.8 0.0 129.2

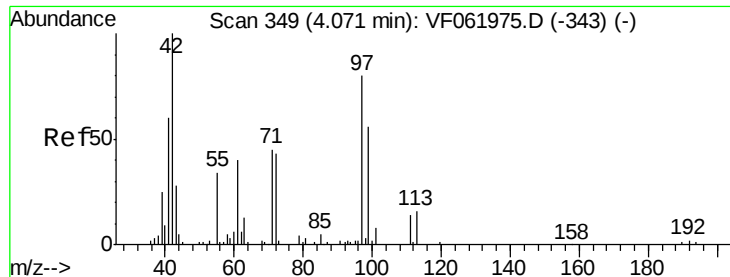


#28

Bromochloromethane
 Concen: 23.106 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 49 Resp: 41053
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 5.8
 130 87.8 73.1 109.7

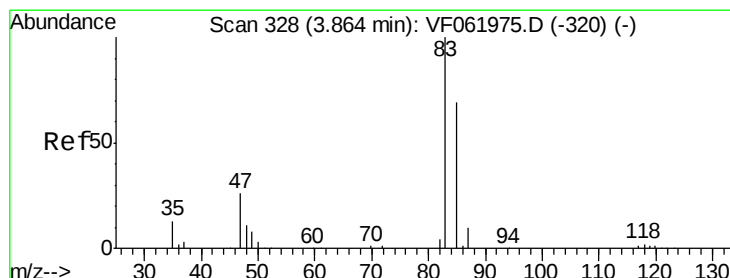
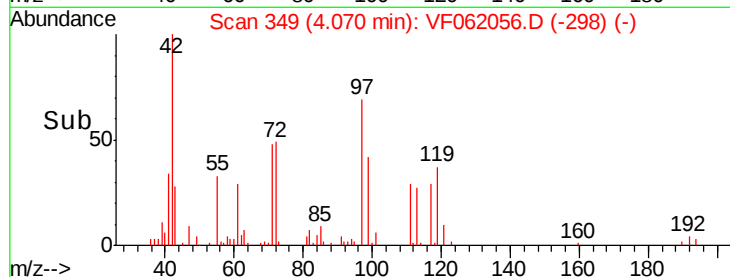
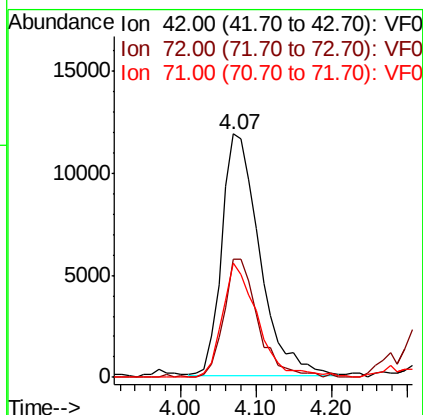
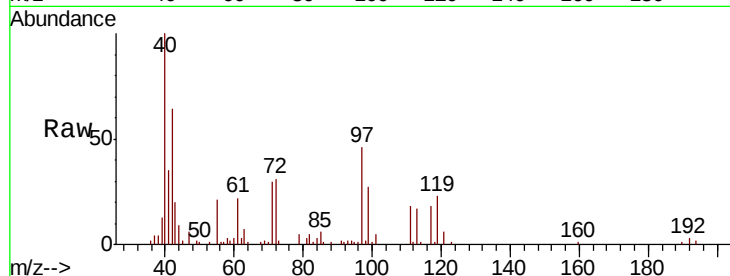




#29
Tetrahydrofuran
Concen: 103.965 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

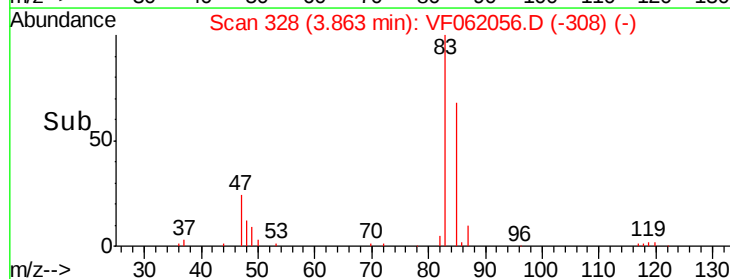
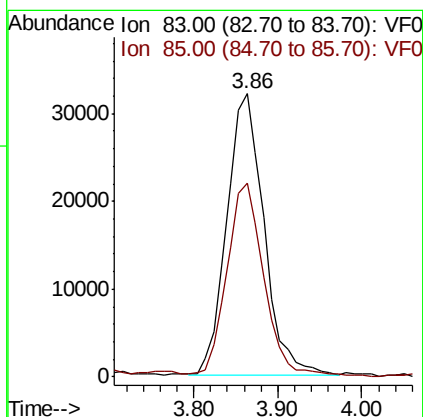
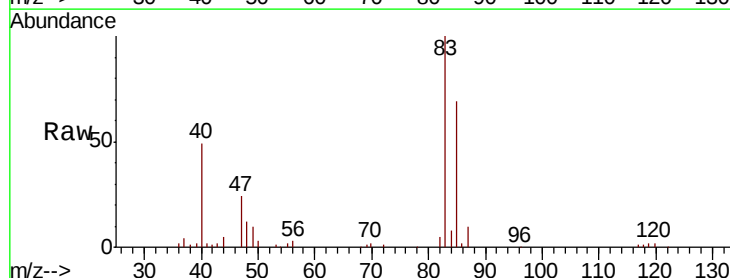
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

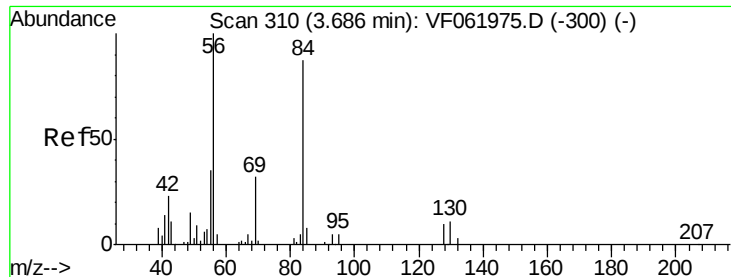
Tgt Ion: 42 Resp: 41132
Ion Ratio Lower Upper
42 100
72 44.0 34.0 51.0
71 44.4 34.2 51.4



#30
Chloroform
Concen: 20.299 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 83 Resp: 98484
Ion Ratio Lower Upper
83 100
85 68.7 55.5 83.3

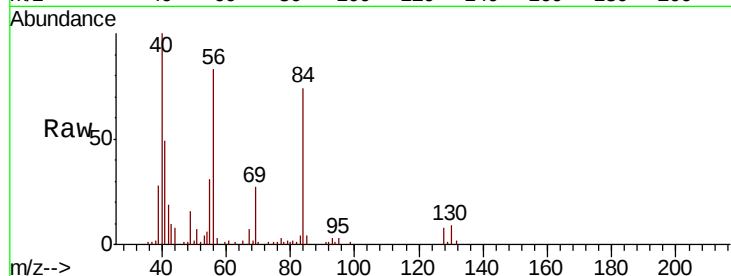




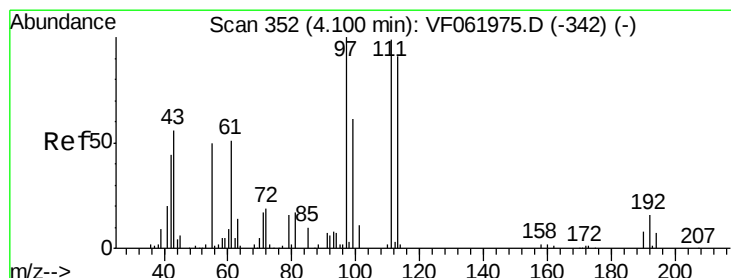
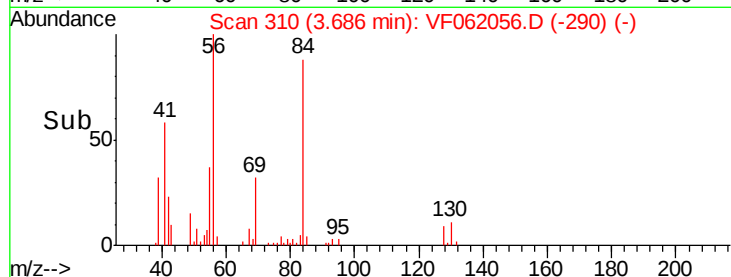
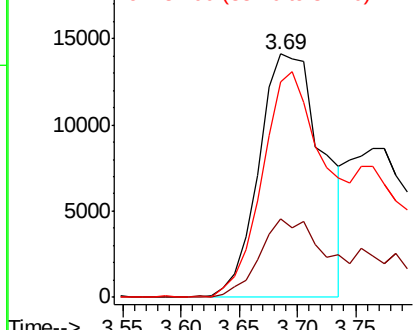
#31
Cyclohexane
Concen: 12.736 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion: 56 Resp: 53874
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 88.3 69.5 104.3

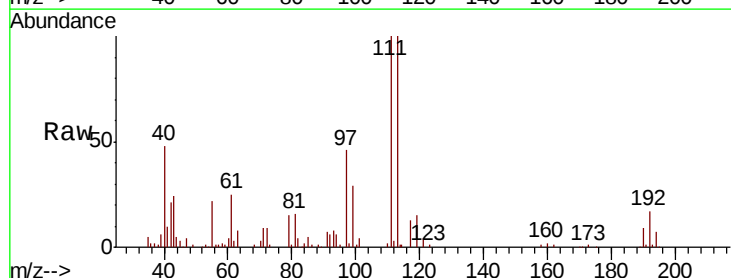


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

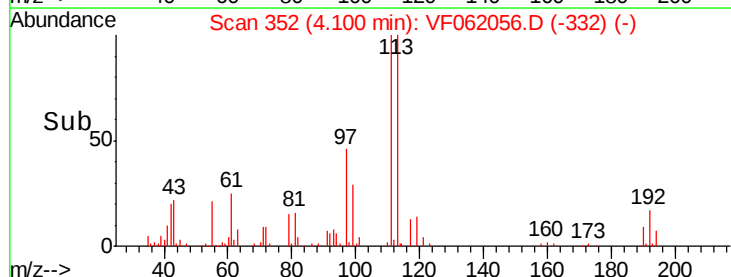
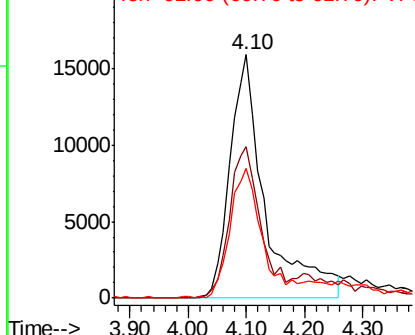


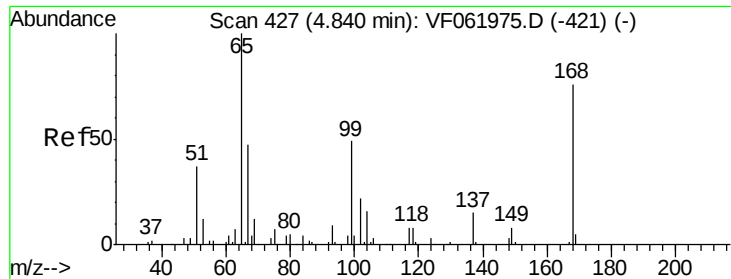
#32
1,1,1-Trichloroethane
Concen: 20.904 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 97 Resp: 67353
Ion Ratio Lower Upper
97 100
99 62.5 49.0 73.4
61 53.4 41.4 62.0



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.424 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

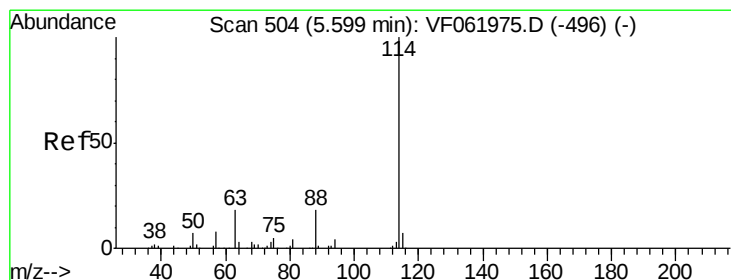
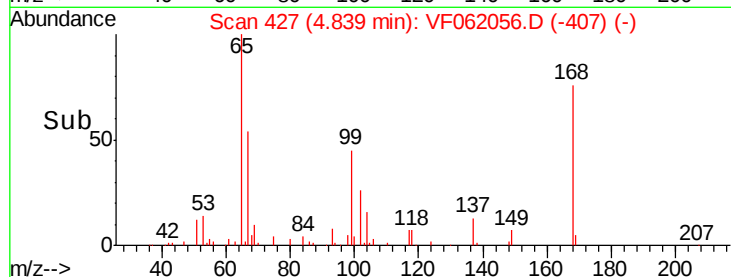
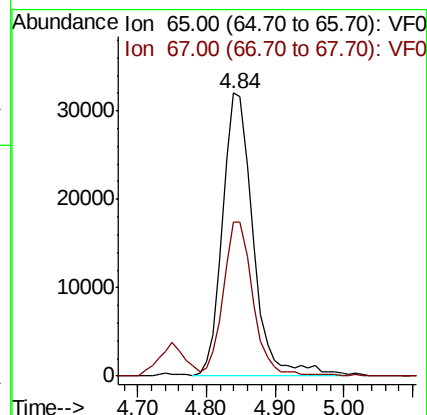
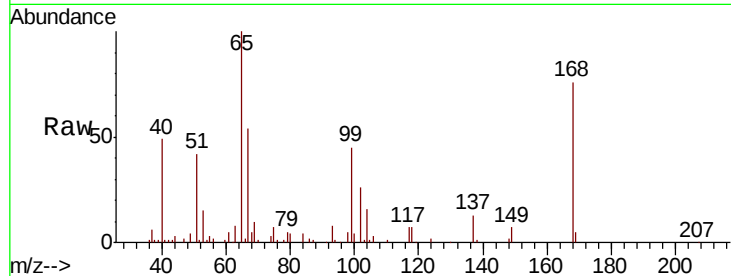
VF0321SBS01

Tgt Ion: 65 Resp: 99056

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

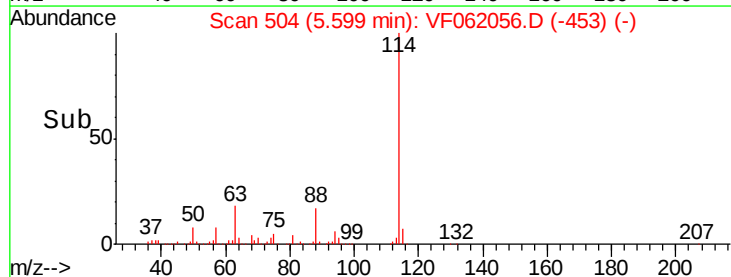
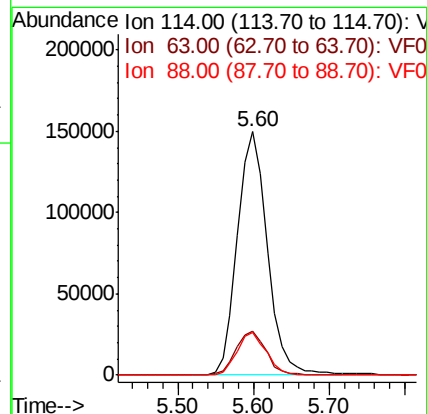
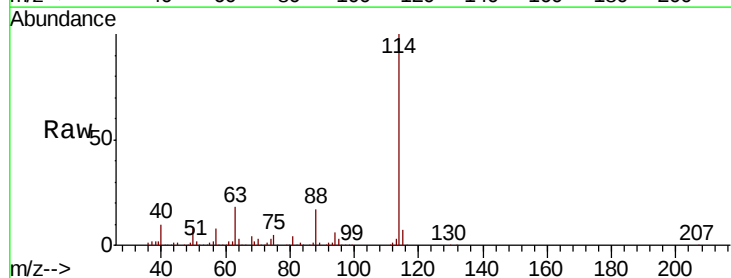
Tgt Ion: 114 Resp: 410878

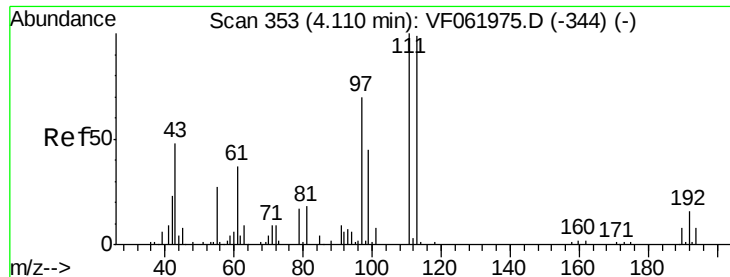
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 17.4 0.0 36.4

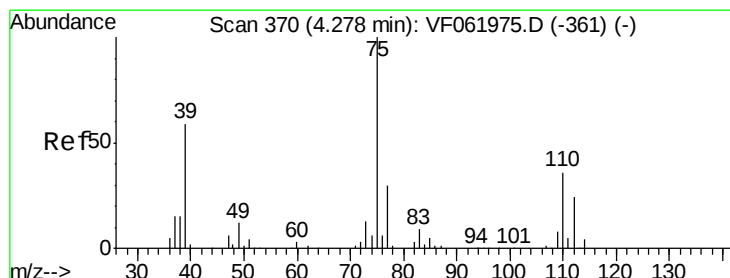
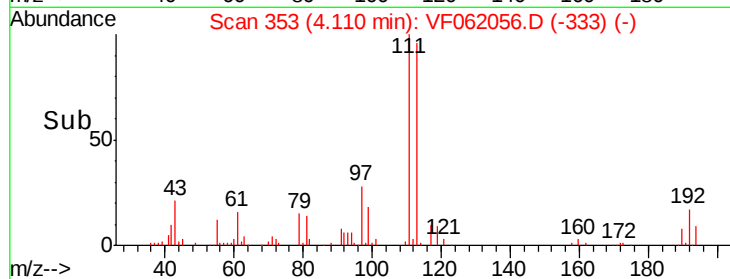
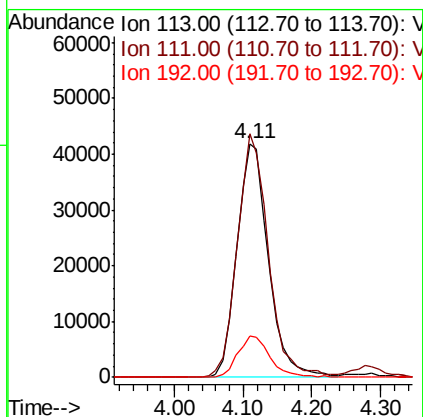
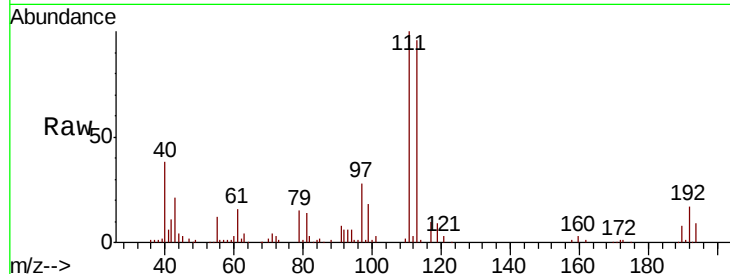




#35
 Dibromofluoromethane
 Concen: 48.013 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

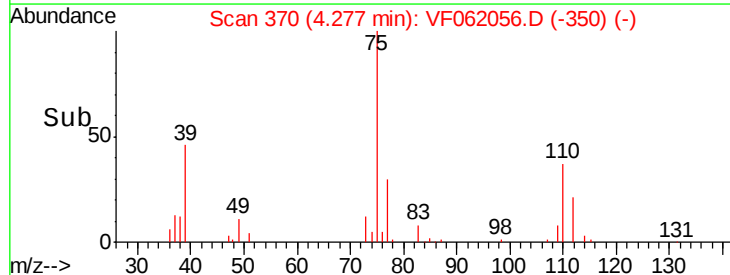
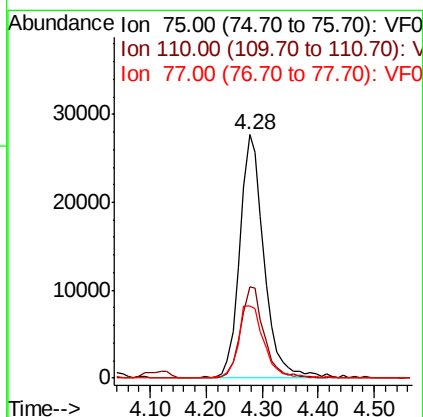
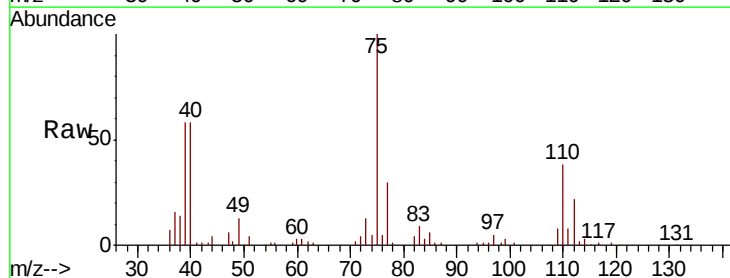
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

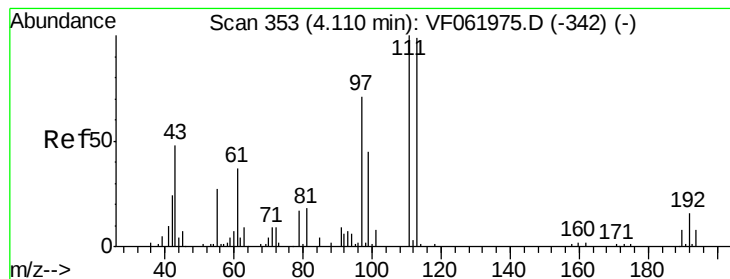
Tgt Ion: 113 Resp: 132473
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.8 121.2
 192 18.1 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 22.435 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 75 Resp: 83243
 Ion Ratio Lower Upper
 75 100
 110 37.5 17.8 53.3
 77 29.8 24.2 36.2





#37

Ethyl Acetate

Concen: 21.403 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

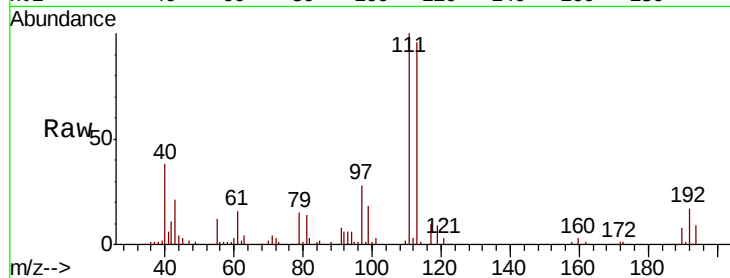
Tgt Ion: 43 Resp: 35657

Ion Ratio Lower Upper

43 100

61 76.5 59.8 89.6

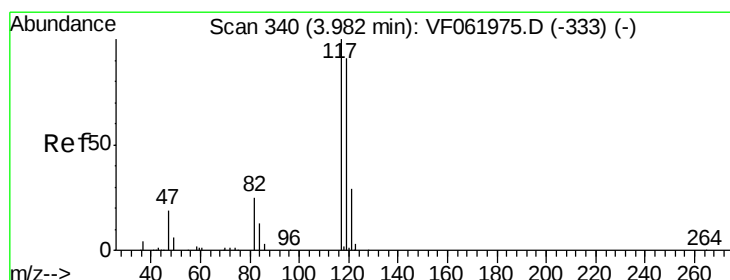
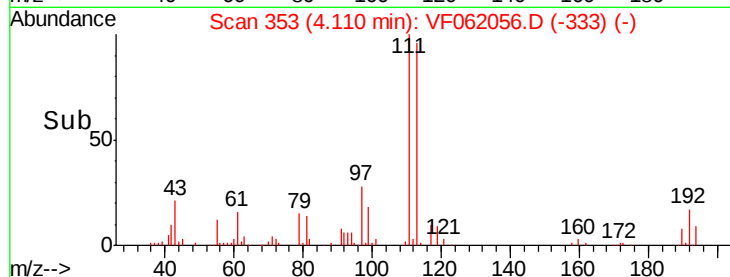
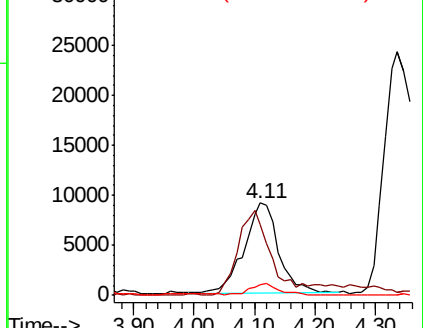
70 11.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.817 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

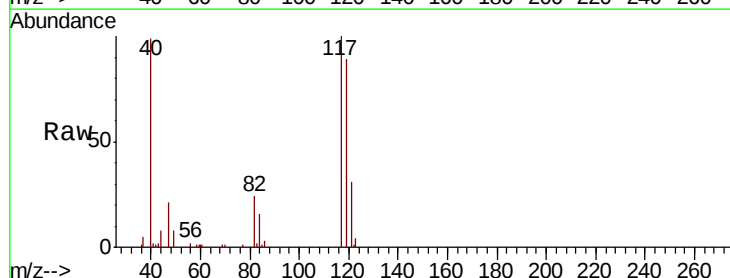
Tgt Ion: 117 Resp: 56449

Ion Ratio Lower Upper

117 100

119 89.0 73.0 109.4

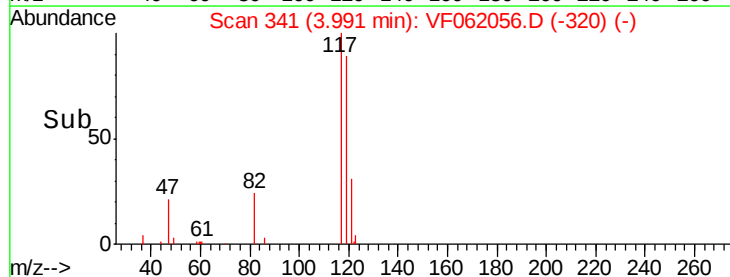
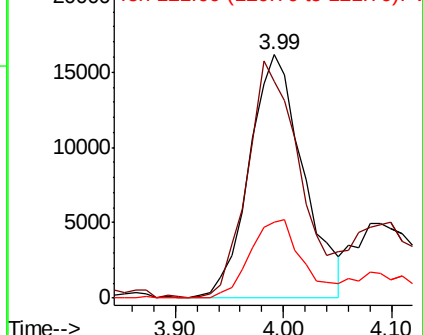
121 31.3 23.0 34.6

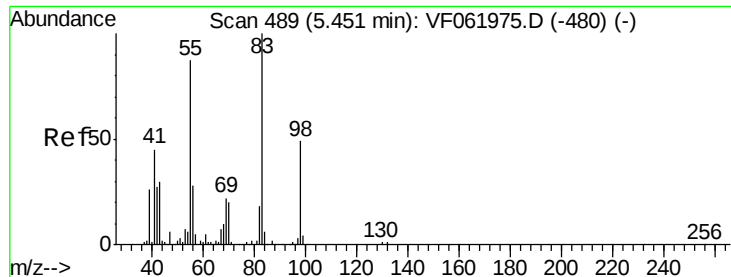


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

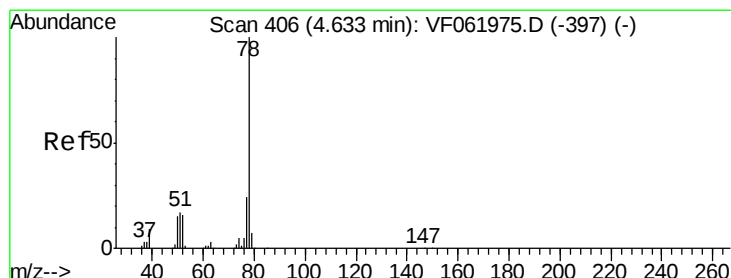
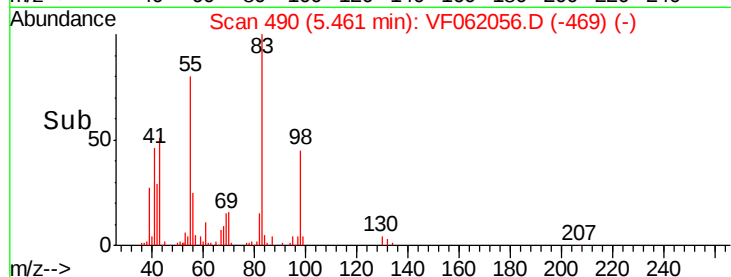
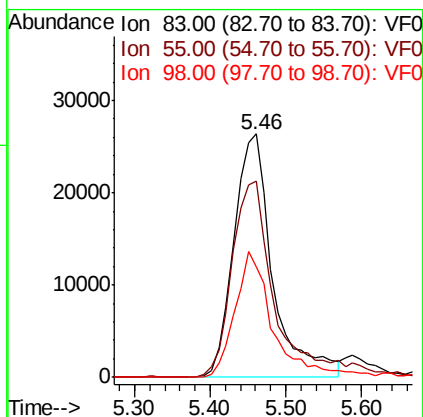
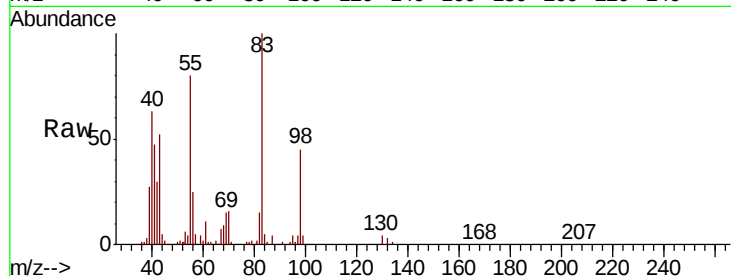




#39
Methylcyclohexane
Concen: 21.647 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

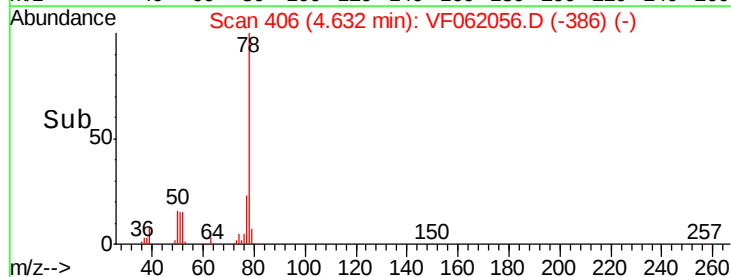
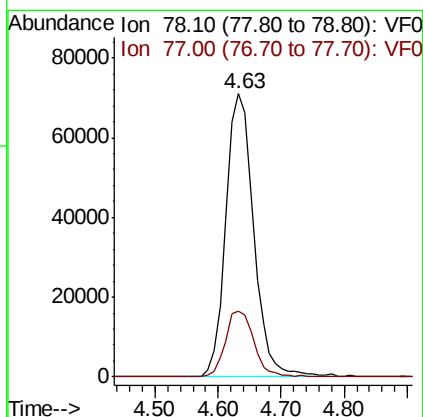
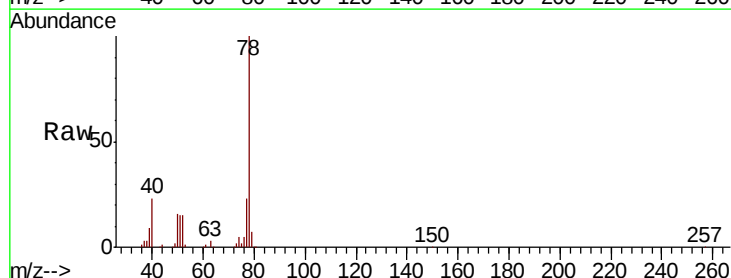
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

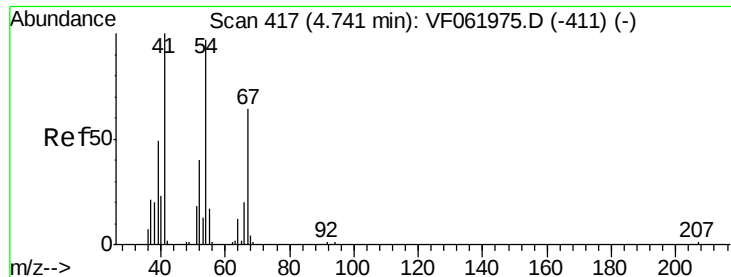
Tgt Ion: 83 Resp: 94295
Ion Ratio Lower Upper
83 100
55 80.4 69.7 104.5
98 45.2 39.4 59.0



#40
Benzene
Concen: 22.107 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 78 Resp: 217351
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 22.477 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

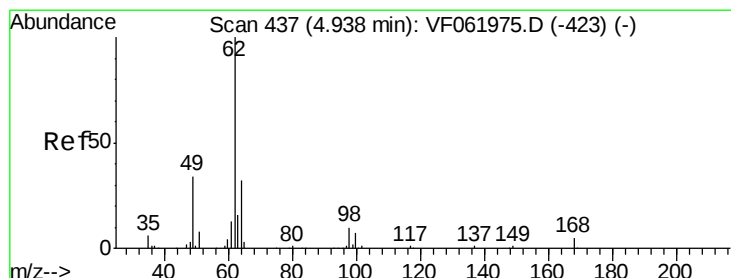
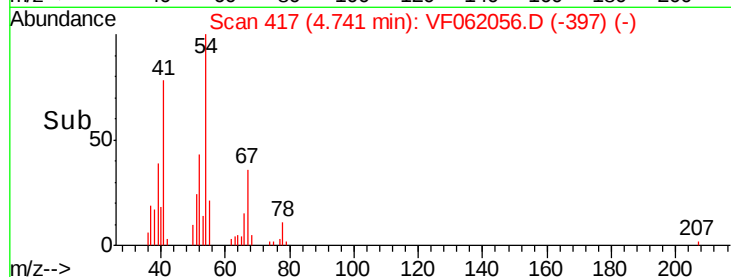
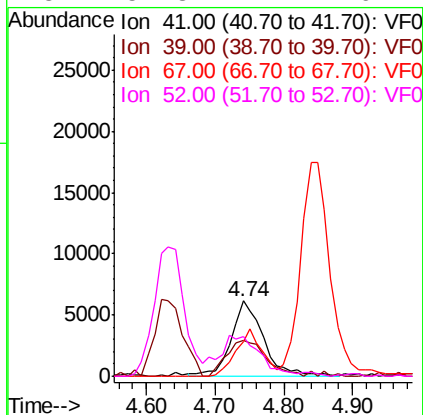
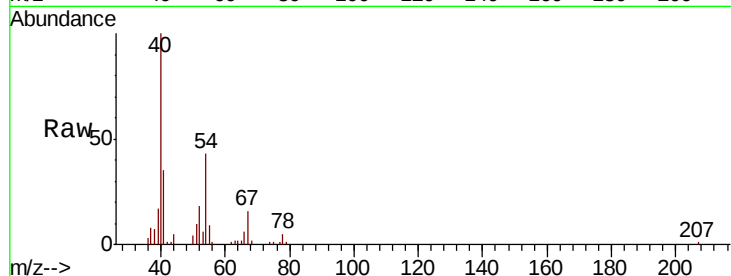
Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tgt Ion:	41	Resp:	20007
Ion	Ratio	Lower	Upper
41	100		
39	47.4	46.2	69.4
67	45.3	49.8	74.8#
52	52.3	42.7	64.1



#42

1,2-Dichloroethane

Concen: 20.340 ug/l

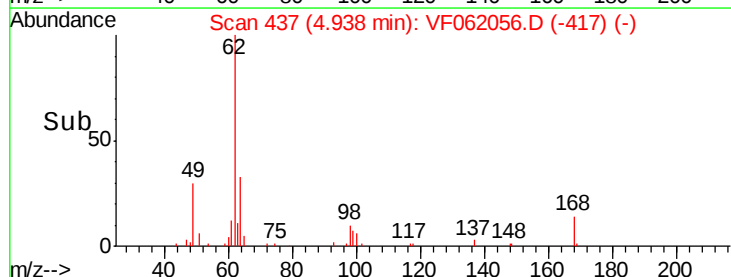
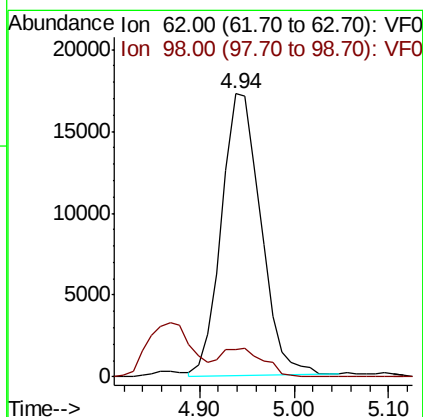
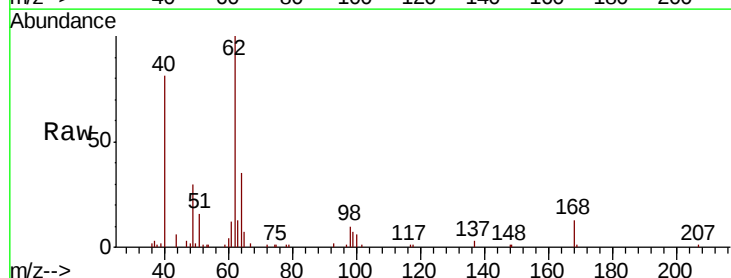
RT: 4.94 min Scan# 437

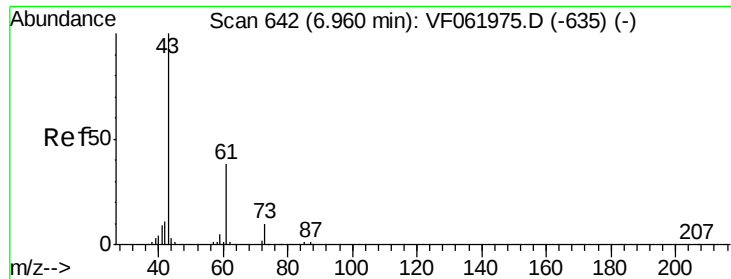
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	62	Resp:	49783
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8

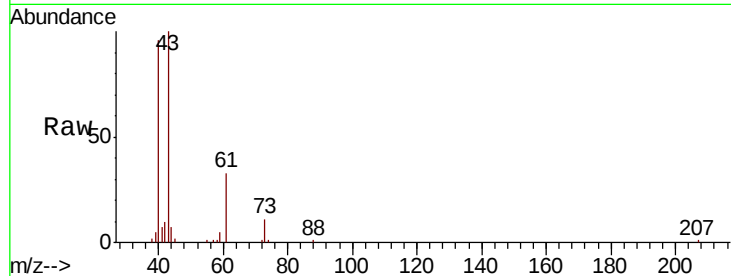




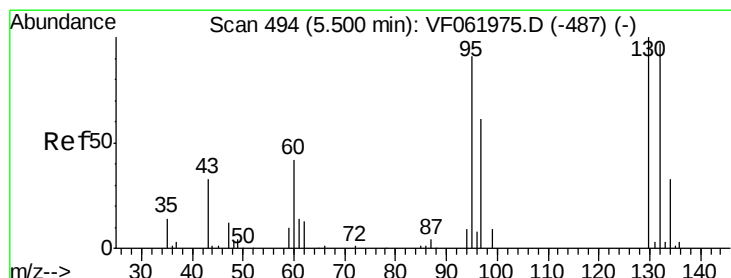
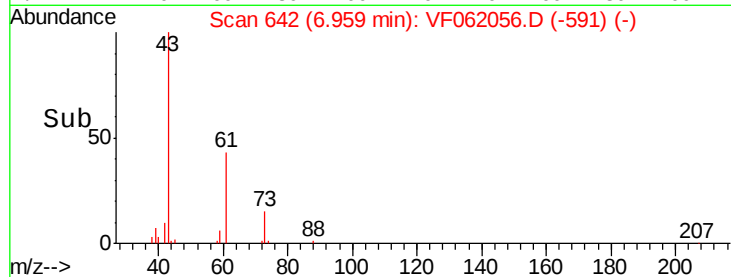
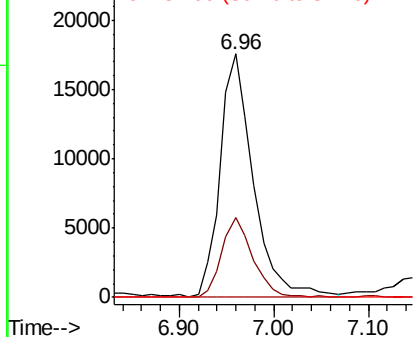
#43
Isopropyl Acetate
Concen: 21.734 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion: 43 Resp: 42842
Ion Ratio Lower Upper
43 100
61 32.6 30.1 45.1
87 0.0 0.4 0.6#

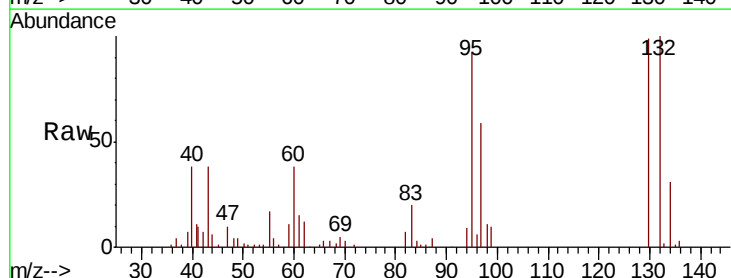


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

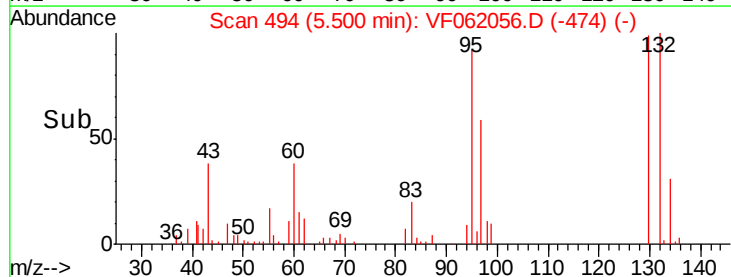
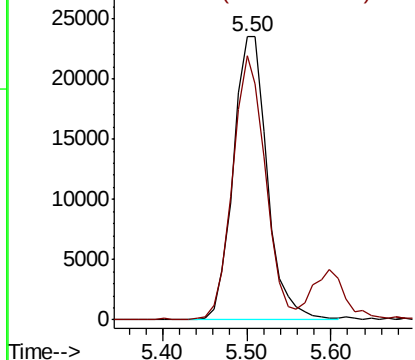


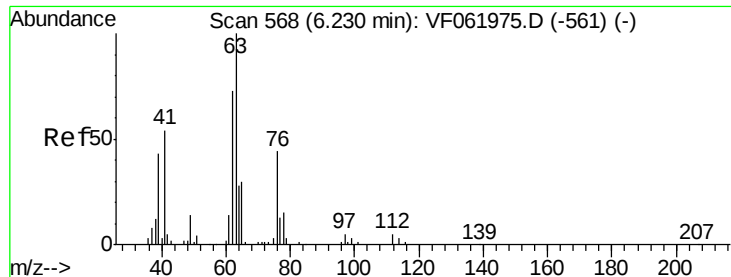
#44
Trichloroethene
Concen: 21.984 ug/l
RT: 5.50 min Scan# 494
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 130 Resp: 66213
Ion Ratio Lower Upper
130 100
95 93.5 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.583 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

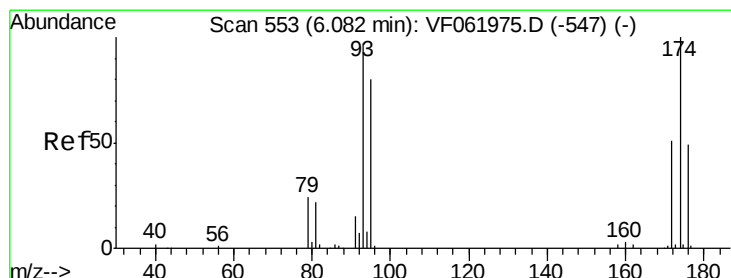
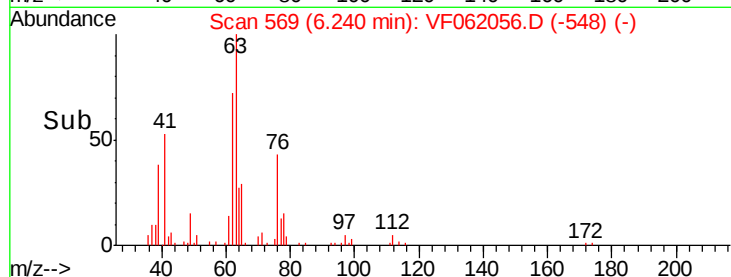
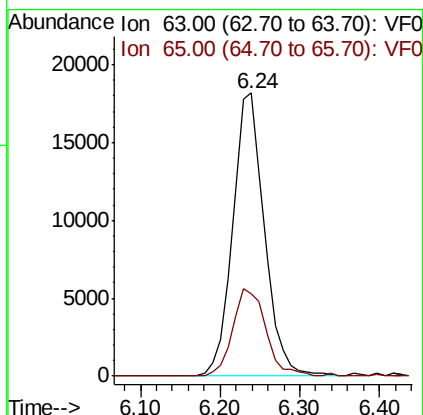
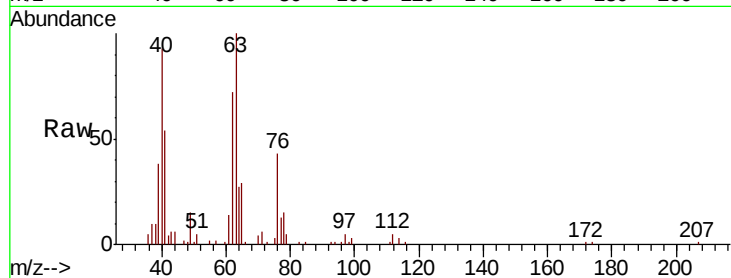
VF0321SBS01

Tgt Ion: 63 Resp: 50218

Ion Ratio Lower Upper

63 100

65 29.1 23.7 35.5



#46

Dibromomethane

Concen: 21.458 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

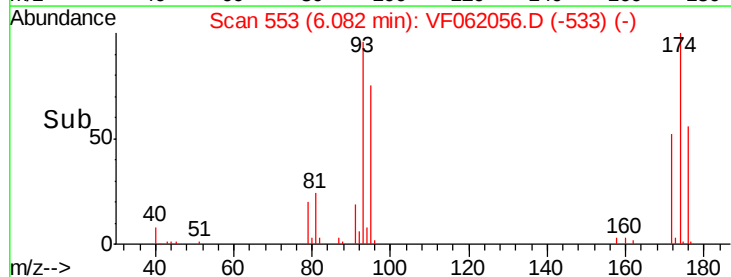
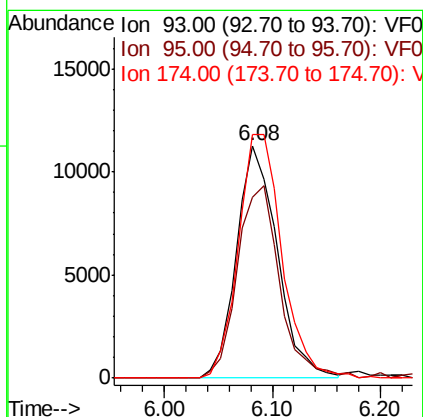
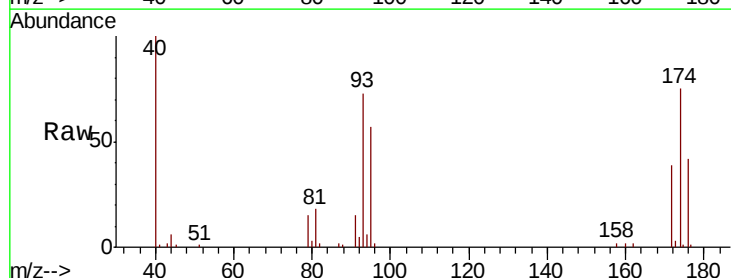
Tgt Ion: 93 Resp: 29701

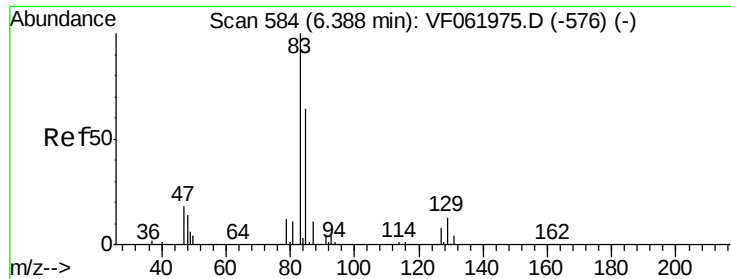
Ion Ratio Lower Upper

93 100

95 77.8 65.7 98.5

174 104.8 82.2 123.4





#47

Bromodichloromethane

Concen: 21.022 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

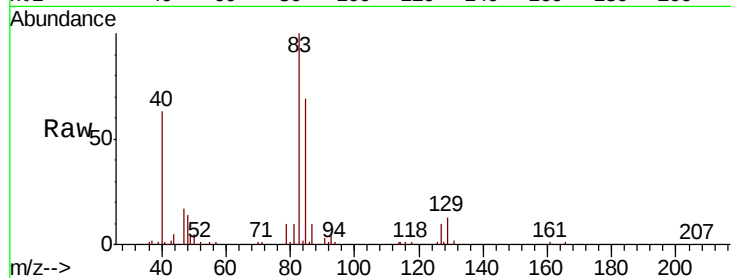
Tgt Ion: 83 Resp: 68598

Ion Ratio Lower Upper

83 100

85 68.9 51.4 77.2

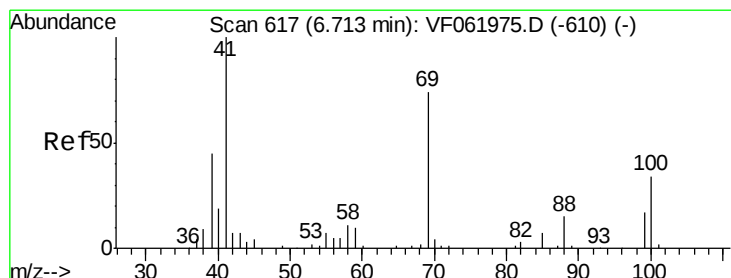
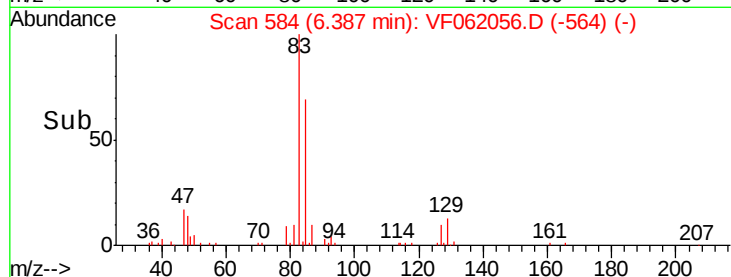
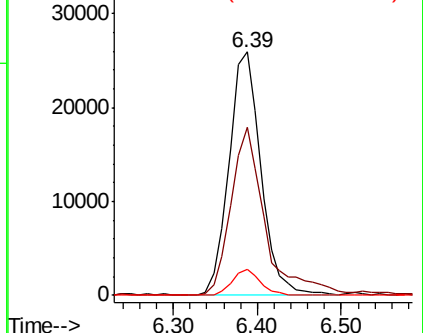
127 11.1 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.812 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

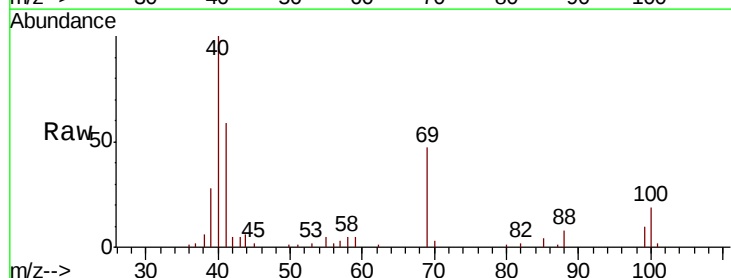
Tgt Ion: 41 Resp: 25239

Ion Ratio Lower Upper

41 100

69 80.1 59.0 88.6

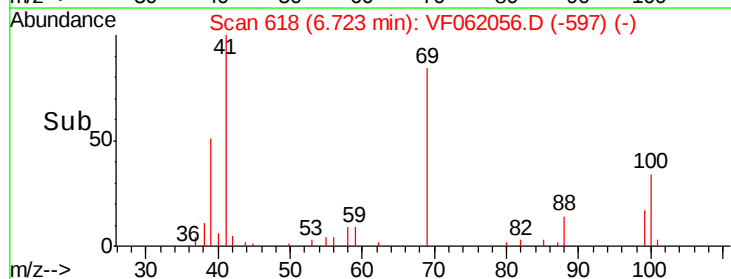
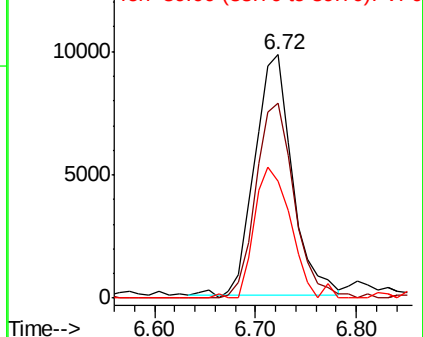
39 48.1 35.6 53.4

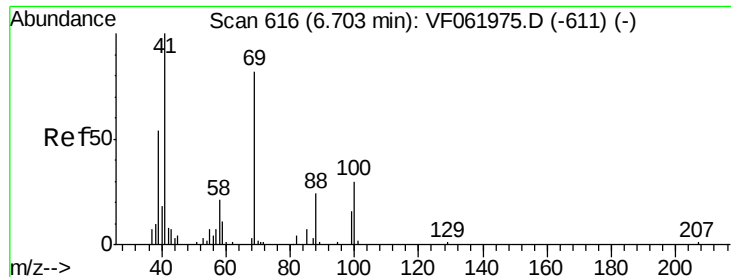


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

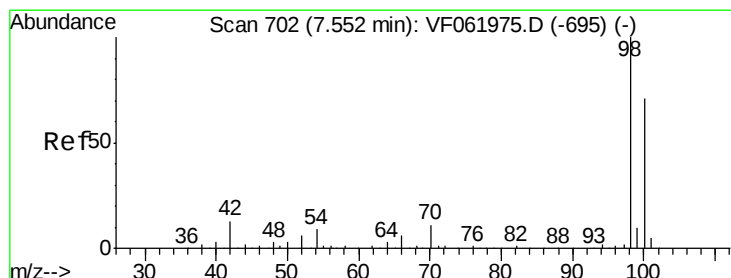
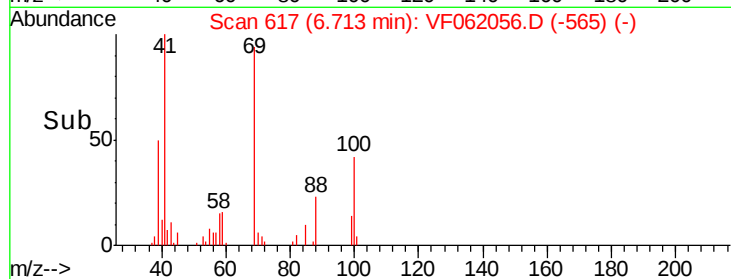
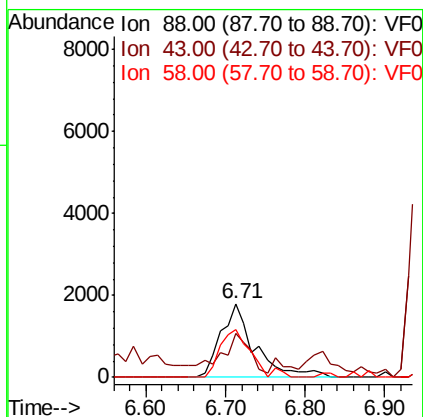
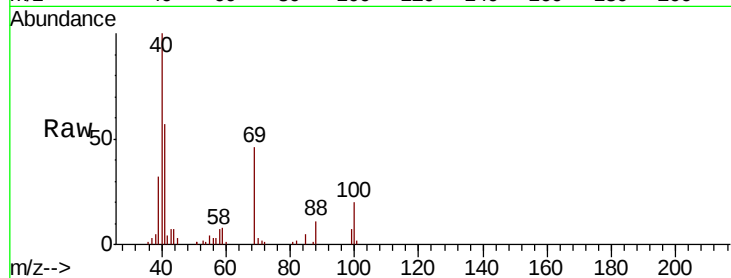




#49
1,4-Dioxane
Concen: 473.710 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

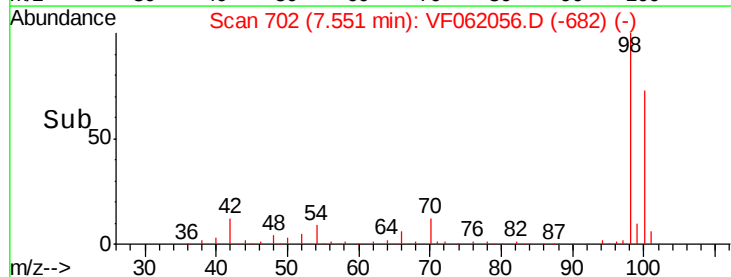
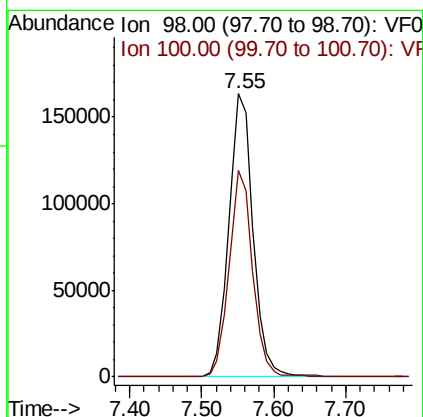
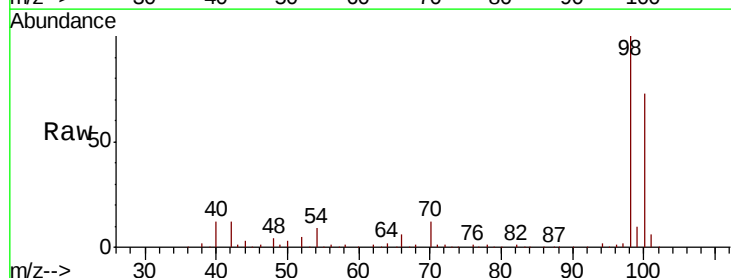
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

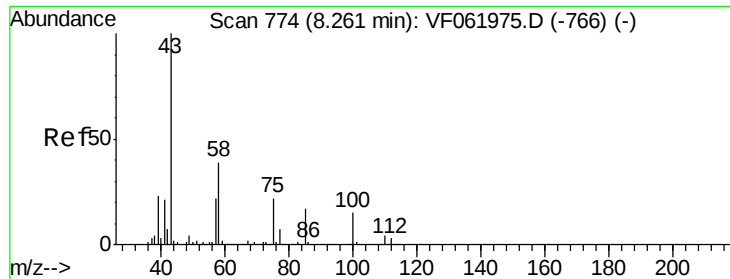
Tgt Ion: 88 Resp: 5368
Ion Ratio Lower Upper
88 100
43 59.3 31.2 46.8#
58 65.1 69.9 104.9#



#50
Toluene-d8
Concen: 47.622 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 98 Resp: 384108
Ion Ratio Lower Upper
98 100
100 72.8 56.8 85.2

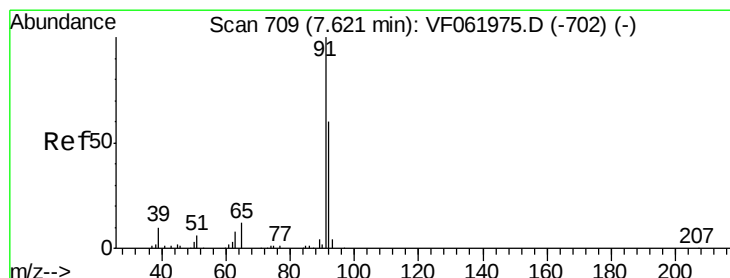
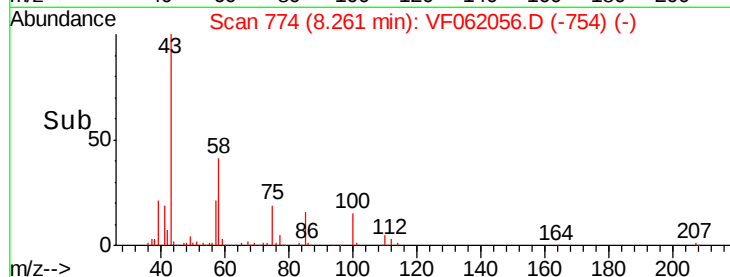
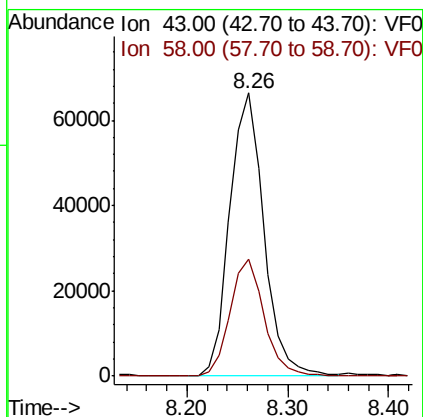
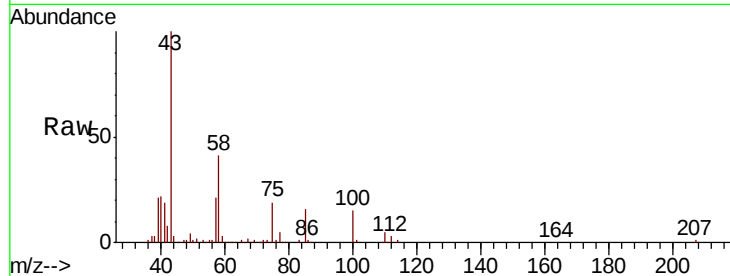




#51
 4-Methyl-2-Pentanone
 Concen: 112.087 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

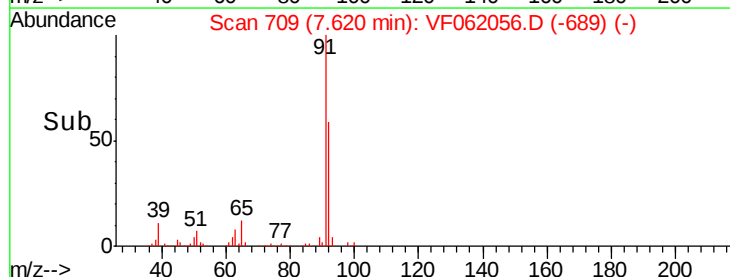
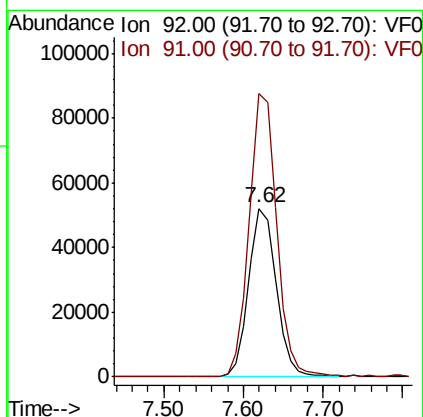
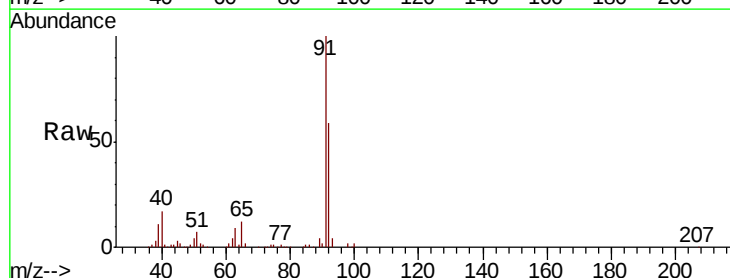
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

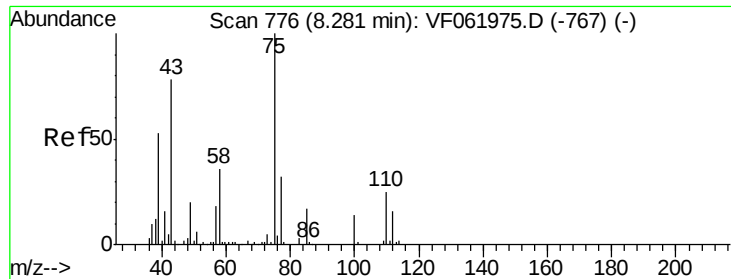
Tgt Ion: 43 Resp: 156893
 Ion Ratio Lower Upper
 43 100
 58 41.1 31.1 46.7



#52
 Toluene
 Concen: 20.743 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 92 Resp: 124608
 Ion Ratio Lower Upper
 92 100
 91 168.3 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 20.648 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

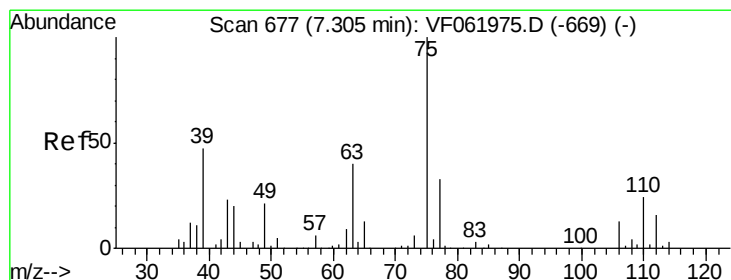
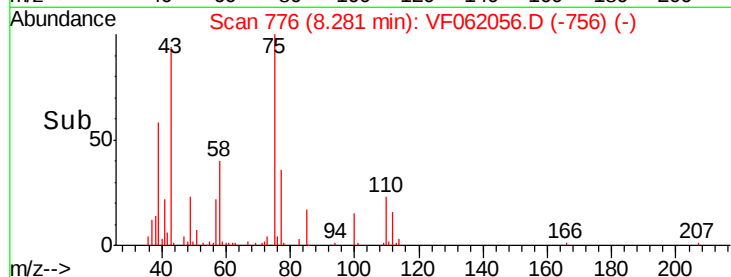
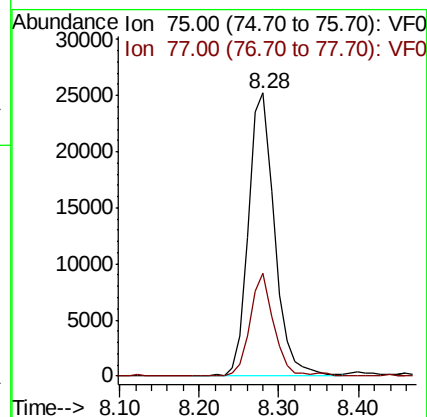
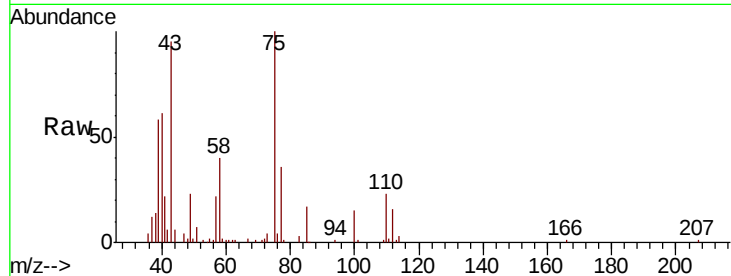
VF0321SBS01

Tgt Ion: 75 Resp: 56884

Ion Ratio Lower Upper

75 100

77 36.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.763 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

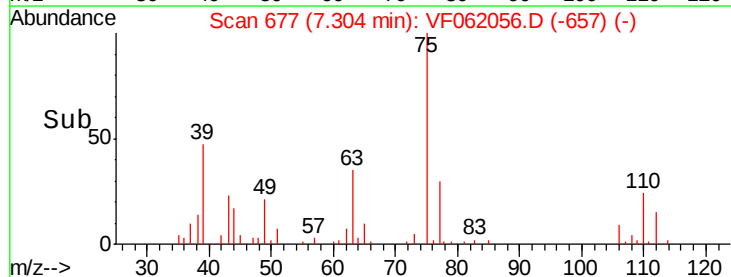
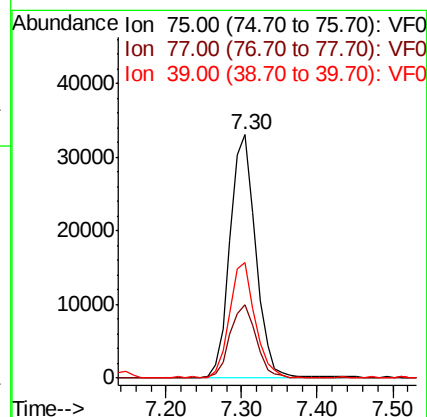
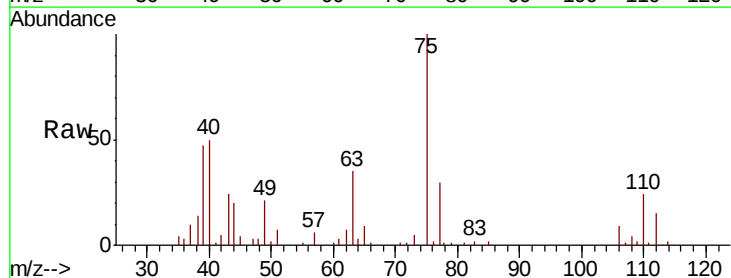
Tgt Ion: 75 Resp: 78232

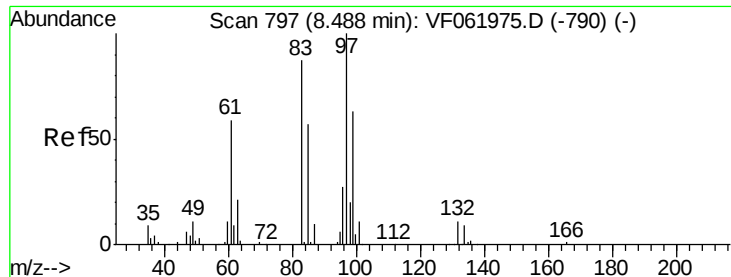
Ion Ratio Lower Upper

75 100

77 30.0 26.4 39.6

39 47.4 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 20.846 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tgt Ion: 97 Resp: 34951

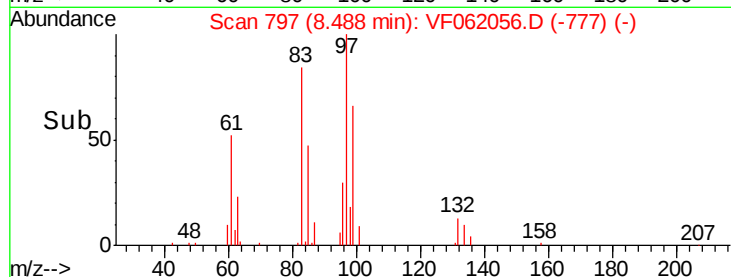
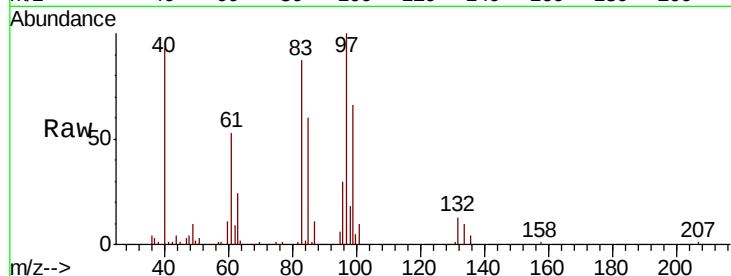
Ion Ratio Lower Upper

97 100

83 86.7 69.7 104.5

85 60.5 45.8 68.6

99 65.8 50.3 75.5

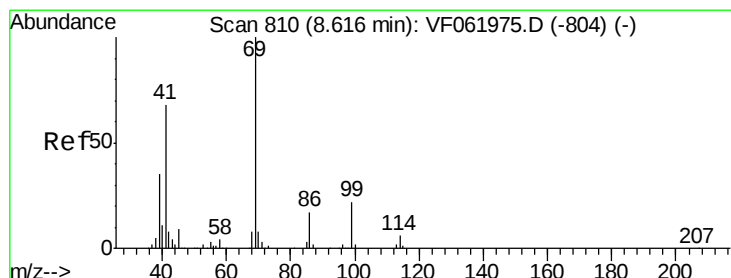
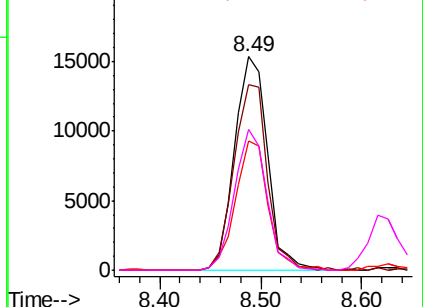


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.750 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

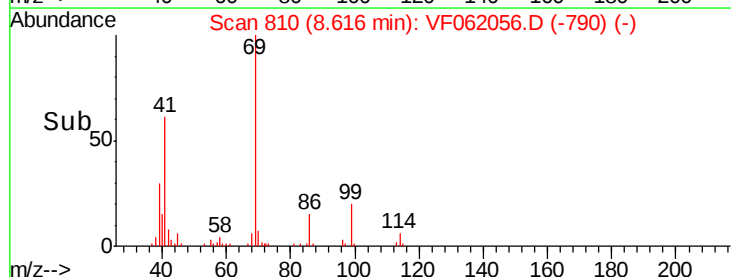
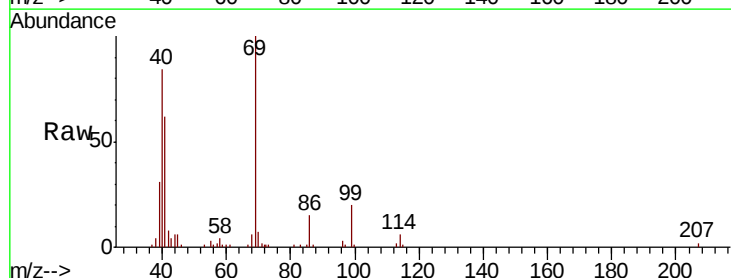
Tgt Ion: 69 Resp: 43359

Ion Ratio Lower Upper

69 100

41 61.6 54.7 82.1

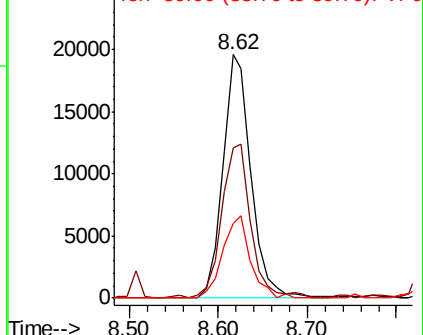
39 30.6 27.9 41.9

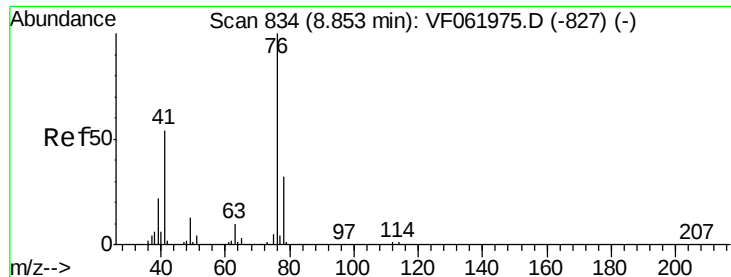


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.742 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

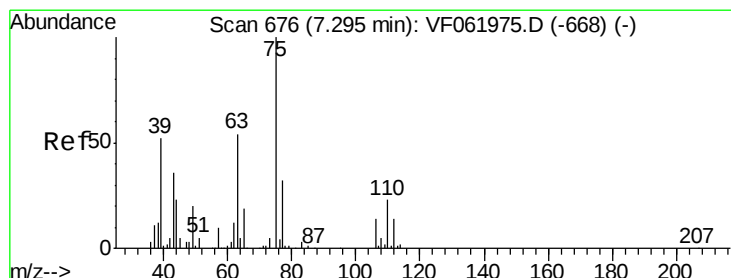
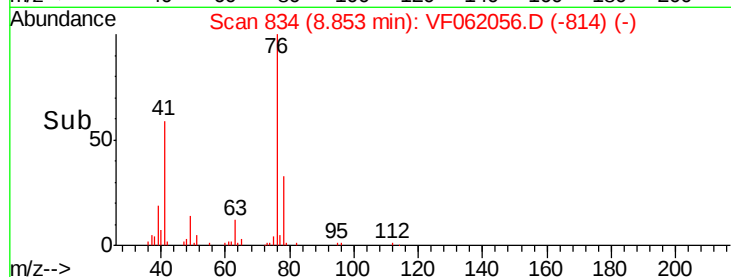
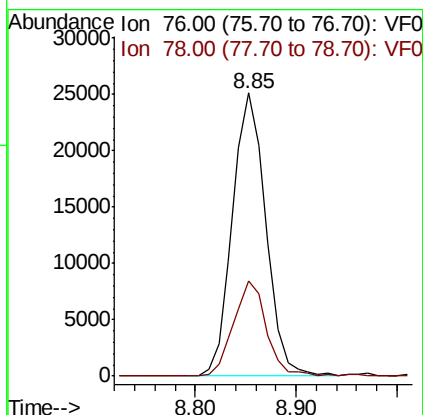
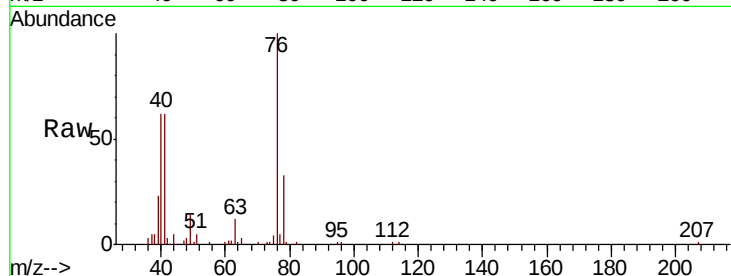
VF0321SBS01

Tgt Ion: 76 Resp: 58010

Ion Ratio Lower Upper

76 100

78 33.4 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 87.294 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF062056.D

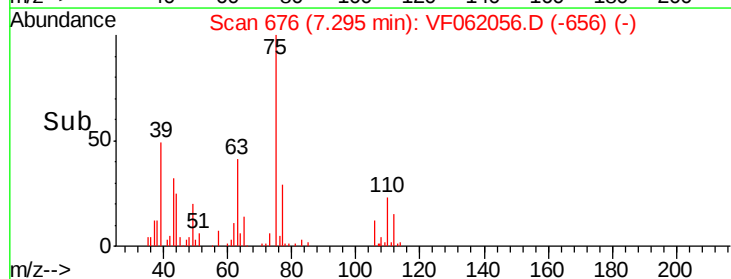
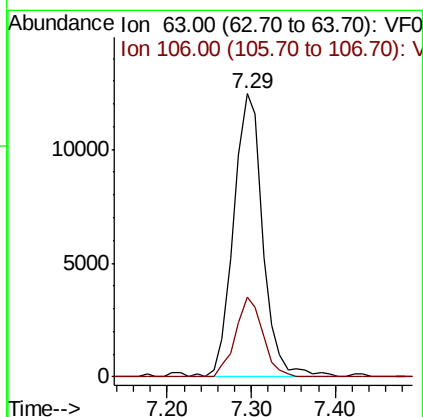
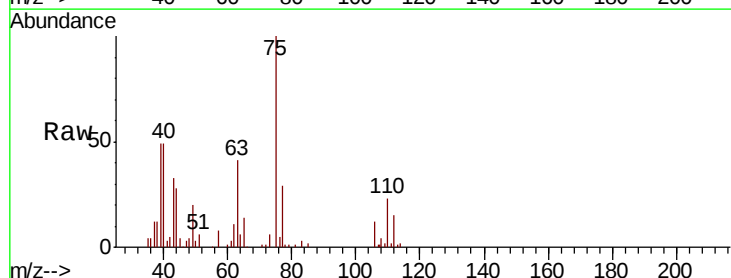
Acq: 21 Mar 2019 13:04

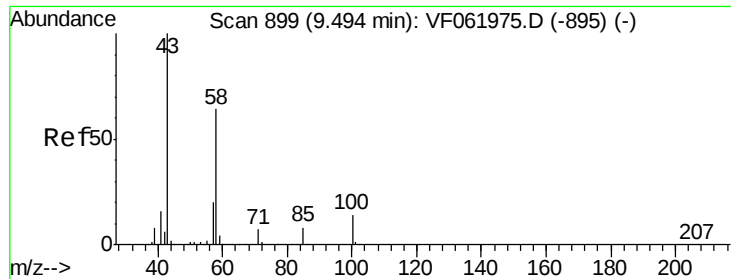
Tgt Ion: 63 Resp: 30135

Ion Ratio Lower Upper

63 100

106 28.2 20.9 31.3

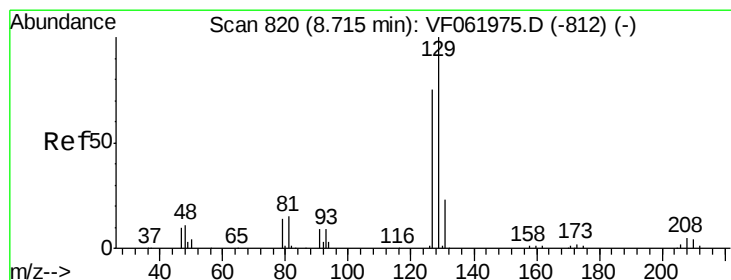
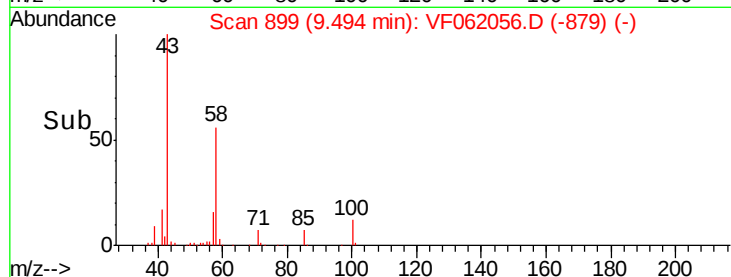
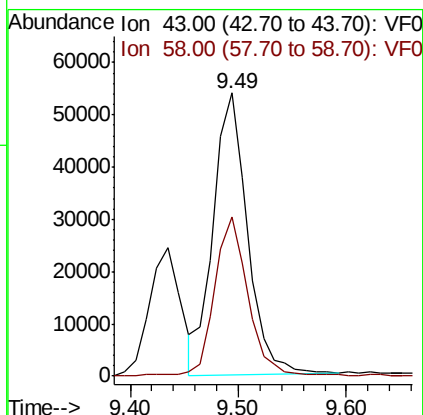
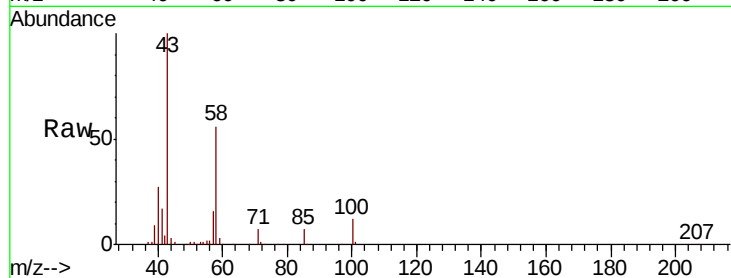




#59
2-Hexanone
Concen: 116.512 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

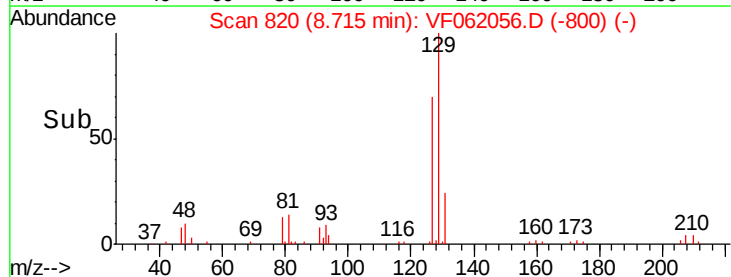
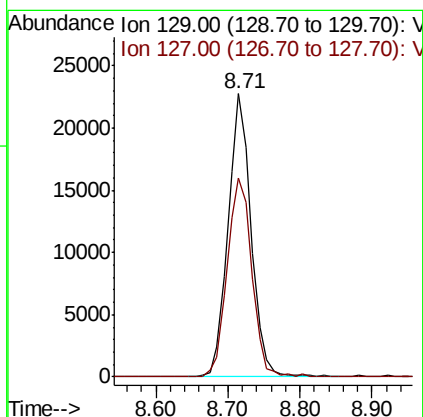
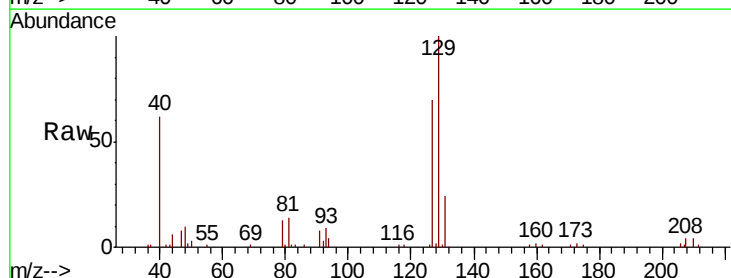
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

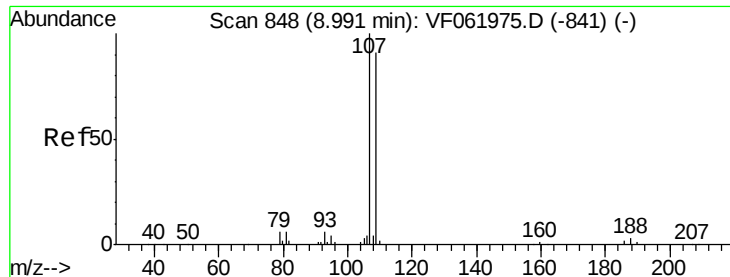
Tgt Ion: 43 Resp: 118028
Ion Ratio Lower Upper
43 100
58 56.3 28.4 85.2



#60
Dibromochloromethane
Concen: 21.685 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 129 Resp: 50474
Ion Ratio Lower Upper
129 100
127 70.3 37.3 111.8

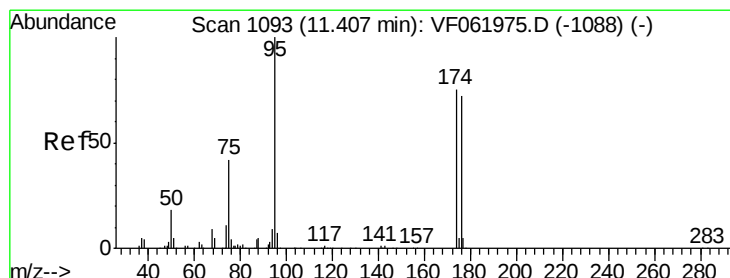
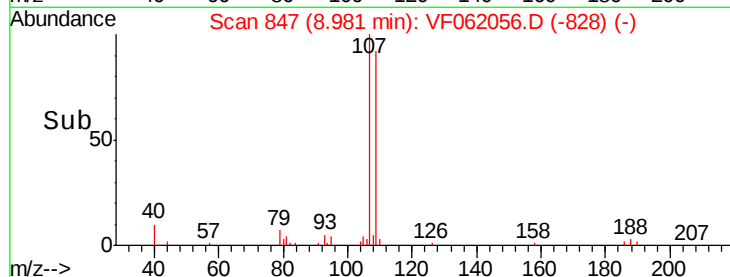
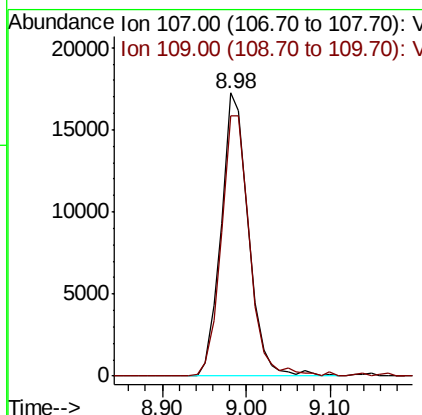
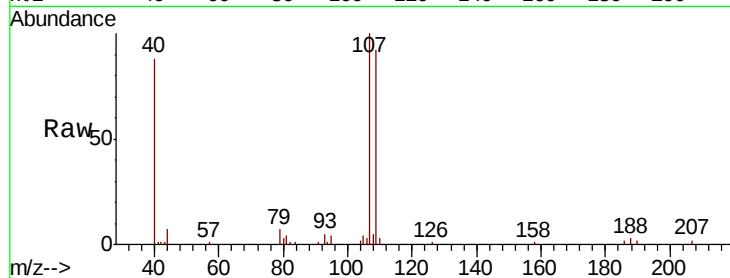




#61
 1,2-Dibromoethane
 Concen: 21.646 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

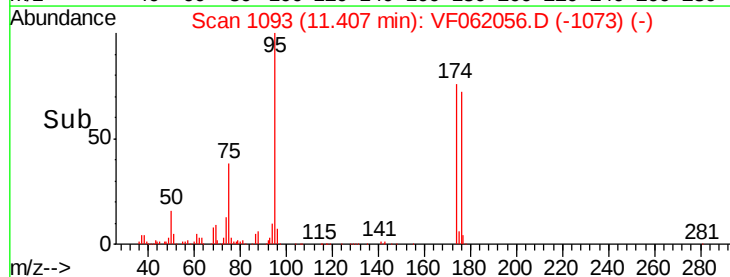
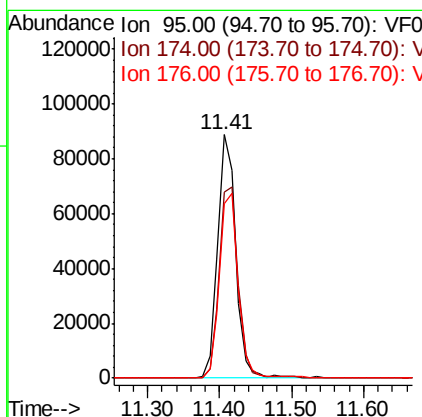
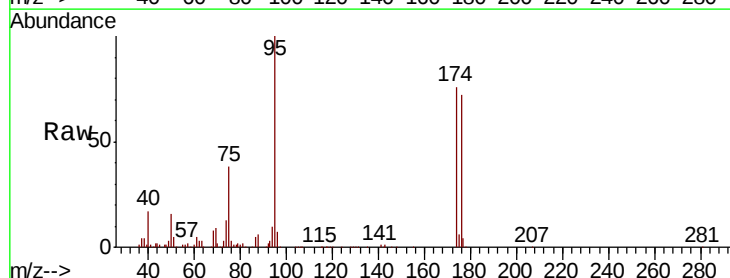
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

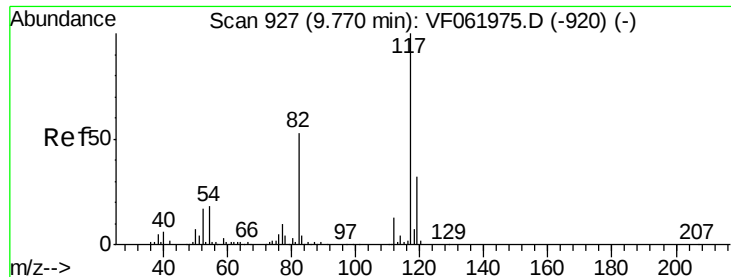
Tgt Ion: 107 Resp: 38929
 Ion Ratio Lower Upper
 107 100
 109 92.2 72.8 109.2



#62
 4-Bromofluorobenzene
 Concen: 47.665 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 95 Resp: 152729
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 149.4
 176 71.9 0.0 143.4

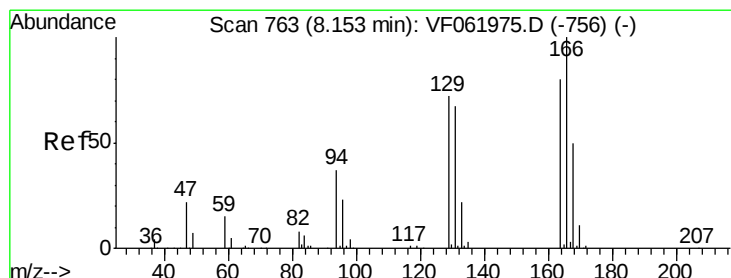
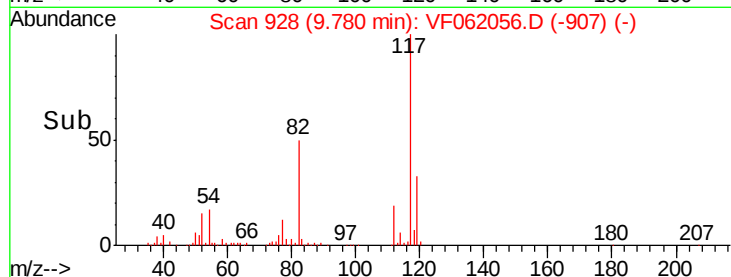
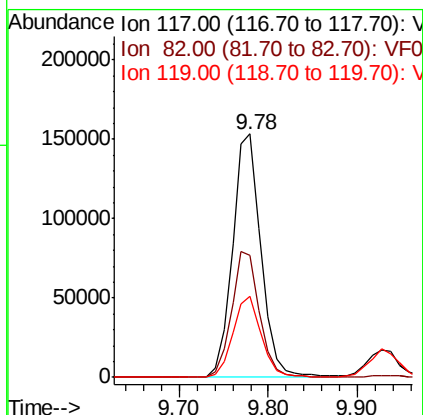
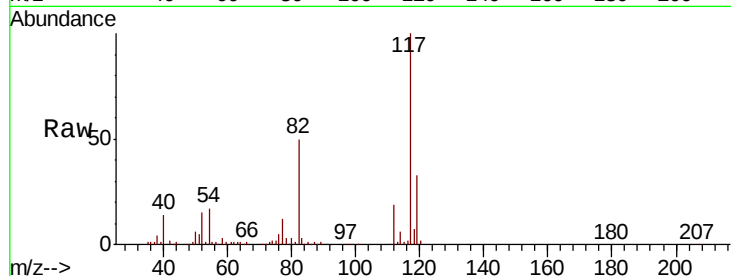




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

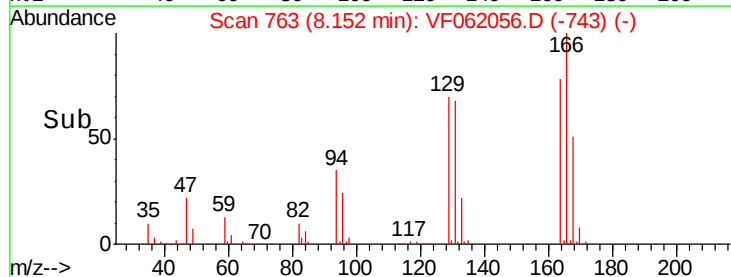
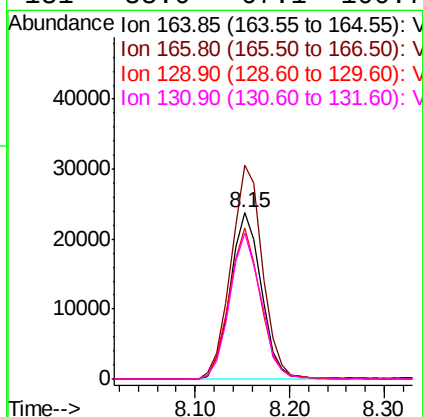
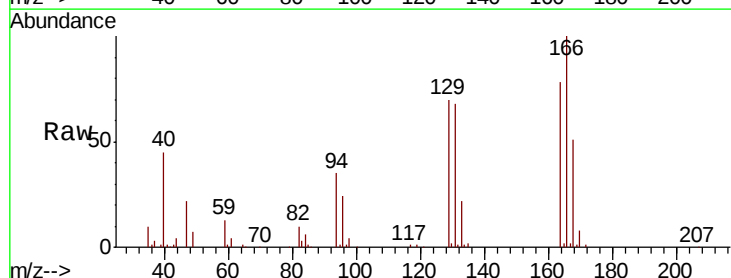
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

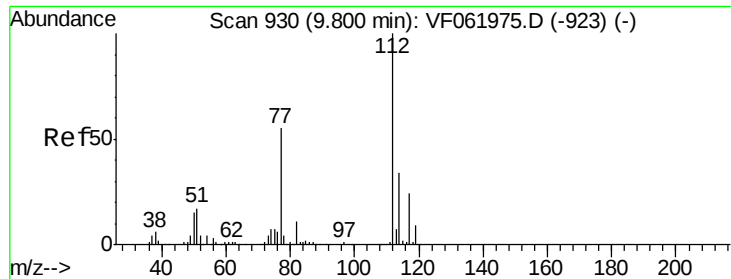
Tgt Ion:117 Resp: 341892
Ion Ratio Lower Upper
117 100
82 50.1 42.5 63.7
119 33.3 25.4 38.0



#64
Tetrachloroethene
Concen: 21.961 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion:164 Resp: 54578
Ion Ratio Lower Upper
164 100
166 128.6 100.0 150.0
129 90.7 72.4 108.6
131 88.0 67.1 100.7

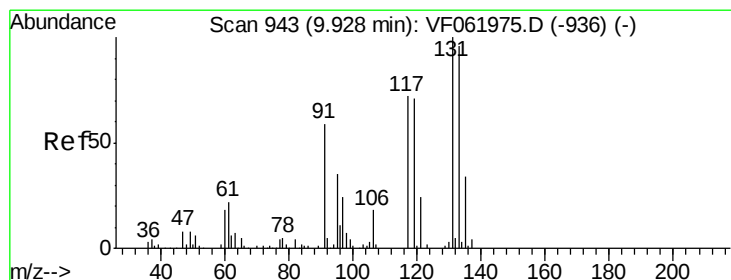
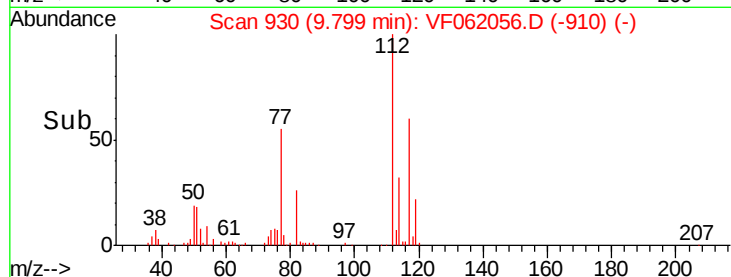
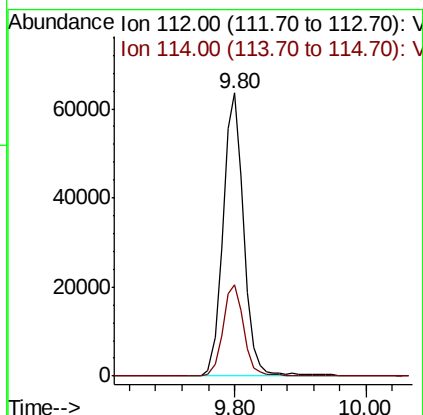
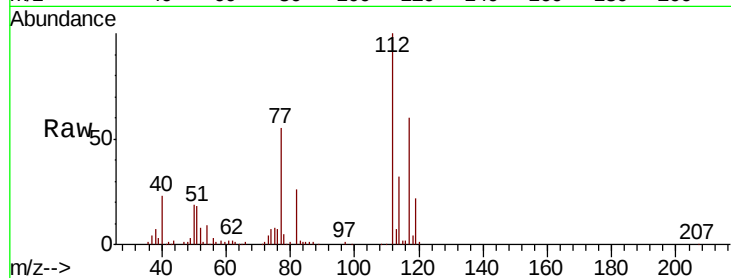




#65
Chlorobenzene
Concen: 21.973 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

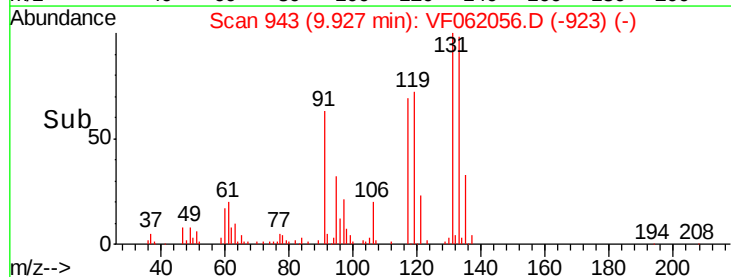
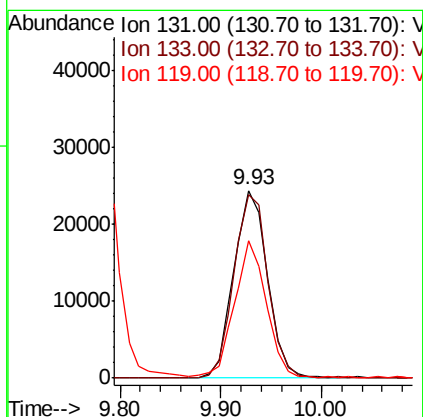
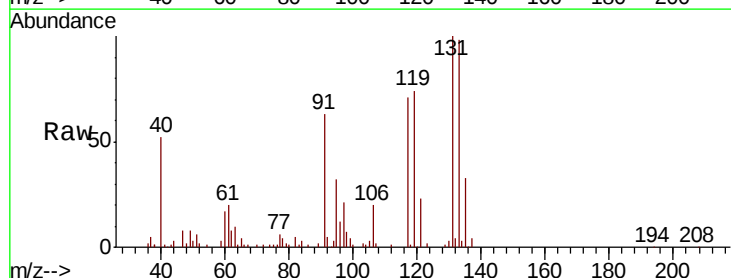
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

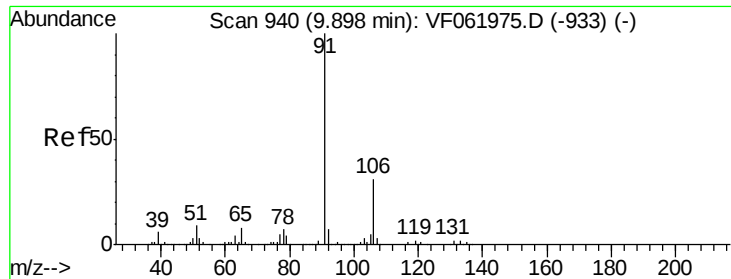
Tgt Ion:112 Resp: 139868
Ion Ratio Lower Upper
112 100
114 32.4 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.925 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion:131 Resp: 56565
Ion Ratio Lower Upper
131 100
133 98.1 48.0 144.2
119 73.5 35.9 107.7

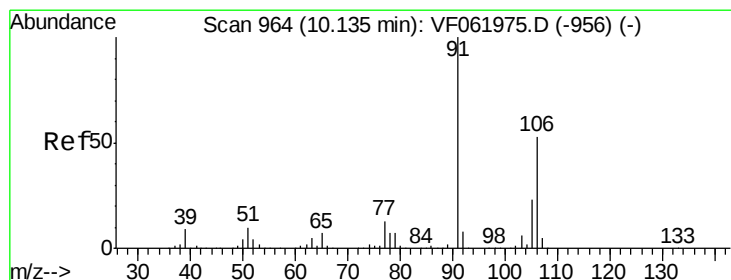
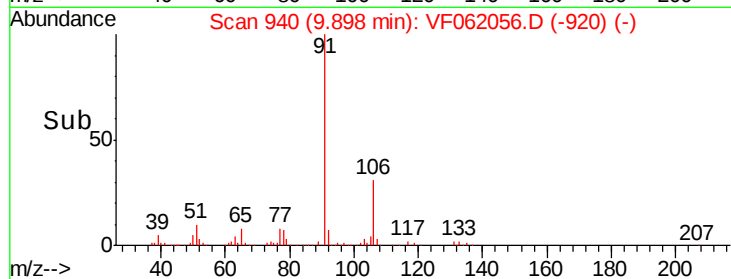
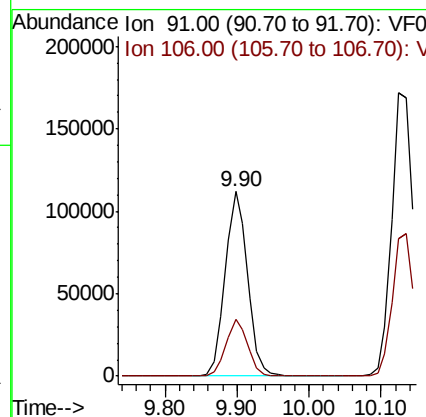
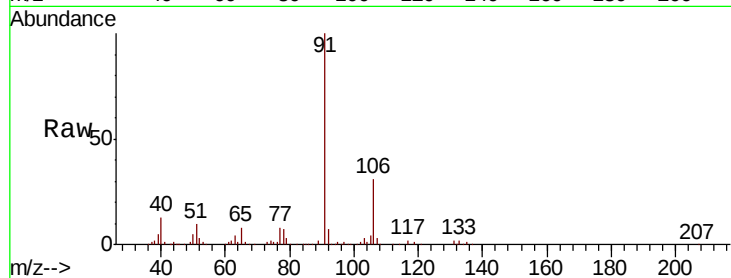




#67
Ethyl Benzene
Concen: 22.063 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

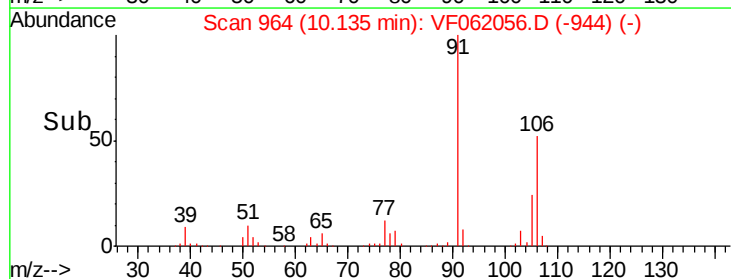
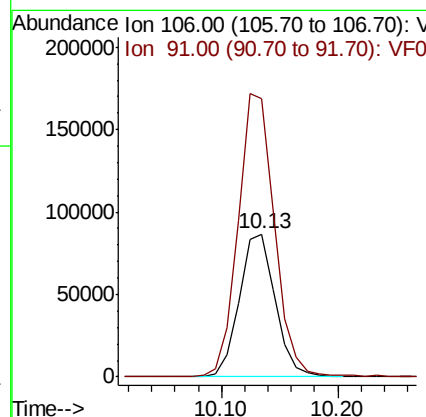
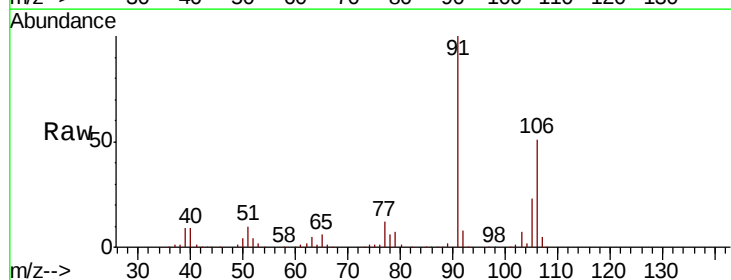
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

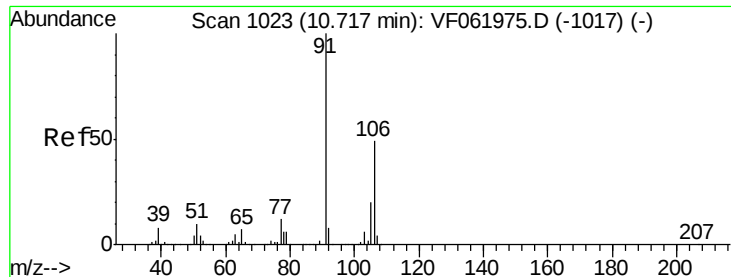
Tgt Ion: 91 Resp: 240467
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 45.239 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 106 Resp: 185445
Ion Ratio Lower Upper
106 100
91 195.1 151.9 227.9

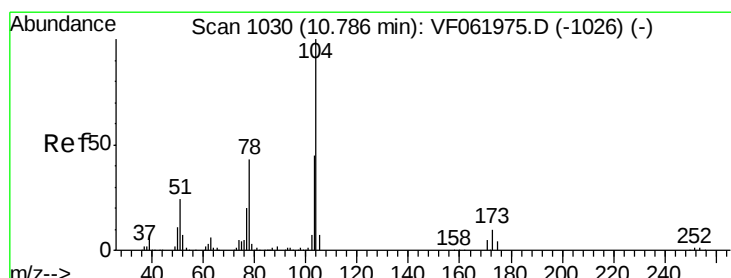
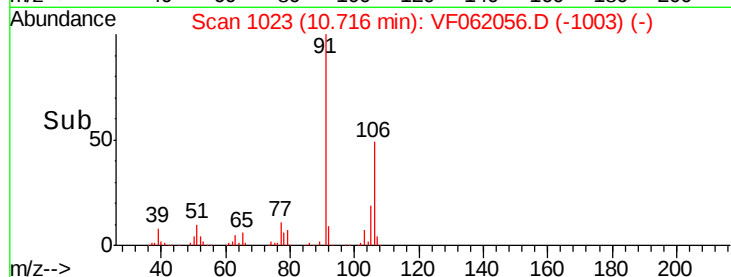
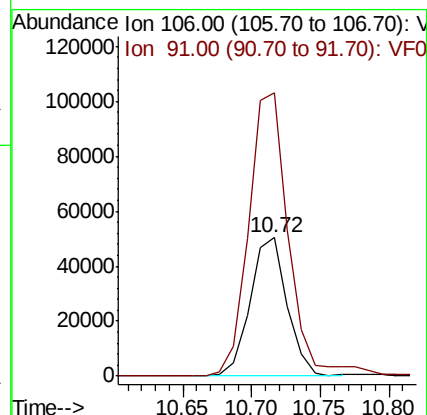
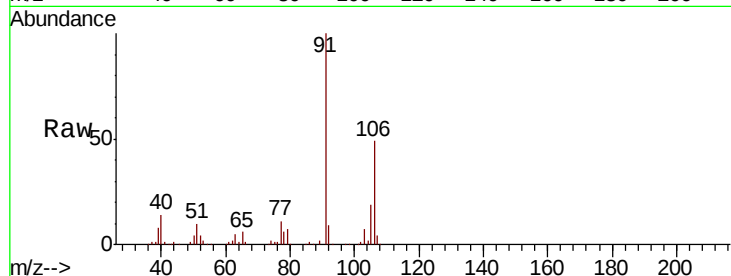




#69
o-Xylene
Concen: 21.684 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

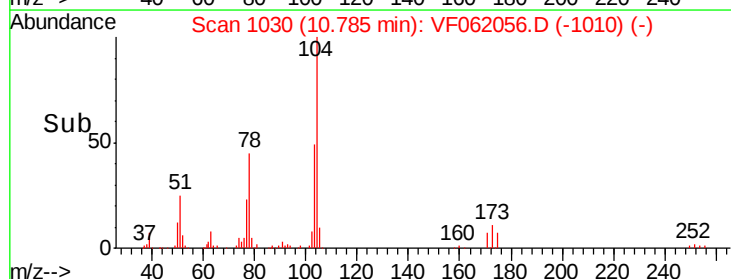
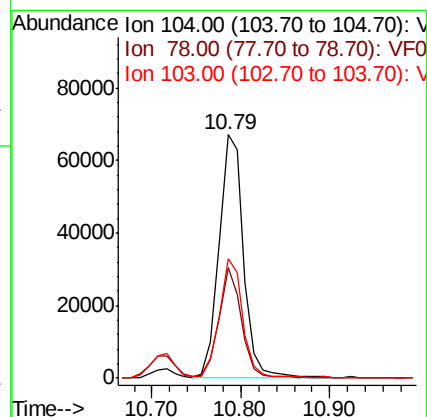
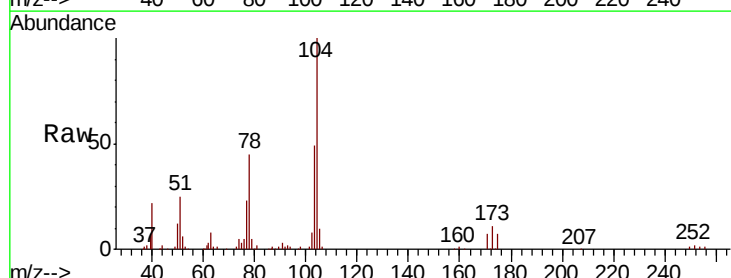
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion:106 Resp: 95111
Ion Ratio Lower Upper
106 100
91 204.6 102.3 306.8



#70
Styrene
Concen: 21.246 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion:104 Resp: 129107
Ion Ratio Lower Upper
104 100
78 45.4 34.7 52.1
103 49.2 36.6 54.8





#71

Bromoform

Concen: 21.589 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

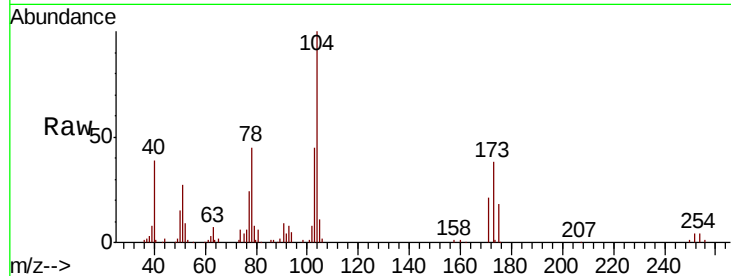
Tgt Ion:173 Resp: 26943

Ion Ratio Lower Upper

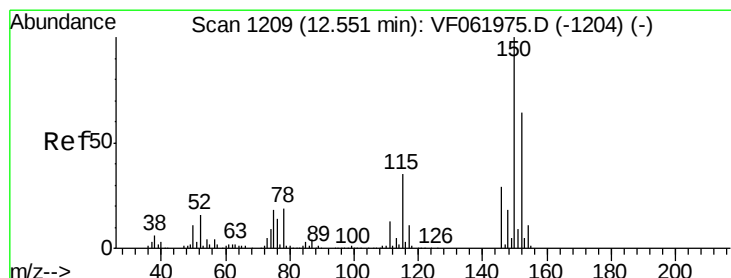
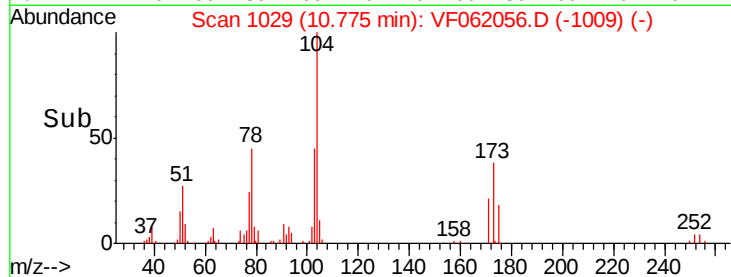
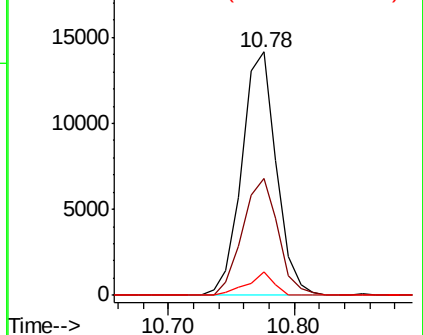
173 100

175 47.9 23.7 71.1

254 9.8 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

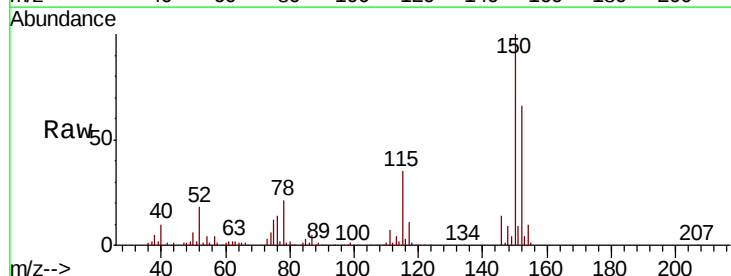
Tgt Ion:152 Resp: 187590

Ion Ratio Lower Upper

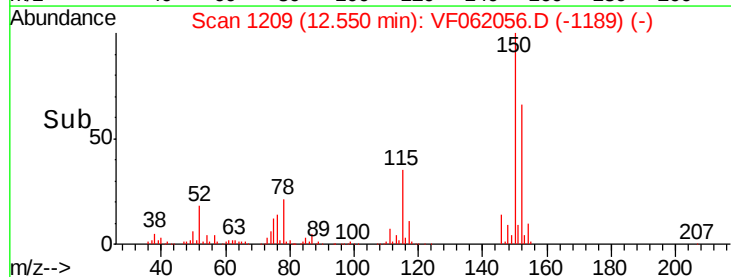
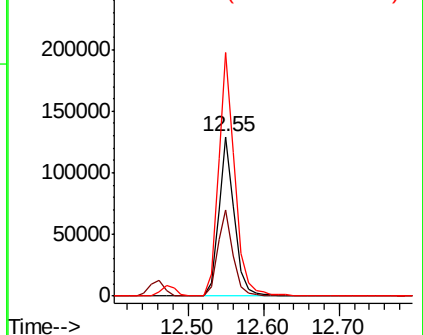
152 100

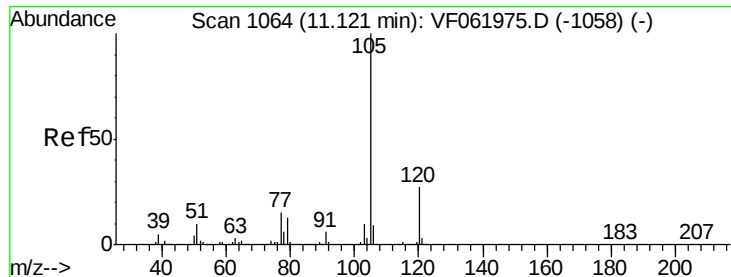
115 54.0 27.3 81.9

150 152.6 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.168 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

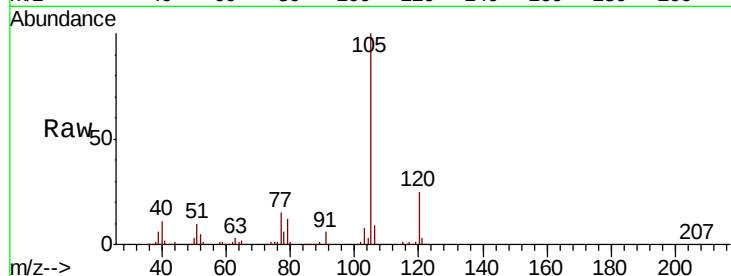
VF0321SBS01

Tgt Ion:105 Resp: 274337

Ion Ratio Lower Upper

105 100

120 25.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

150000

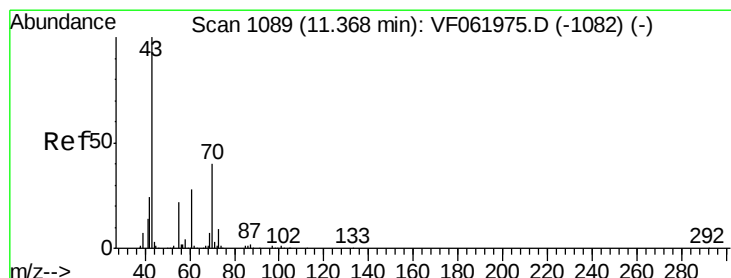
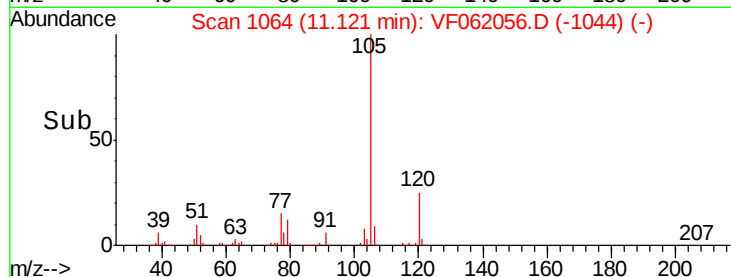
100000

50000

0

Time-->

11.00 11.20



#74

N-ethyl acetate

Concen: 22.851 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion: 43 Resp: 67859

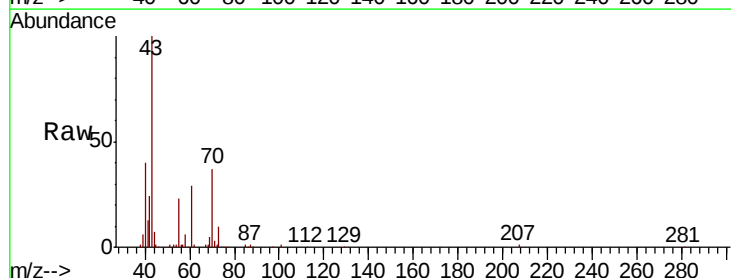
Ion Ratio Lower Upper

43 100

70 37.2 31.9 47.9

55 23.0 17.9 26.9

61 29.1 22.2 33.2



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

60000

50000

40000

30000

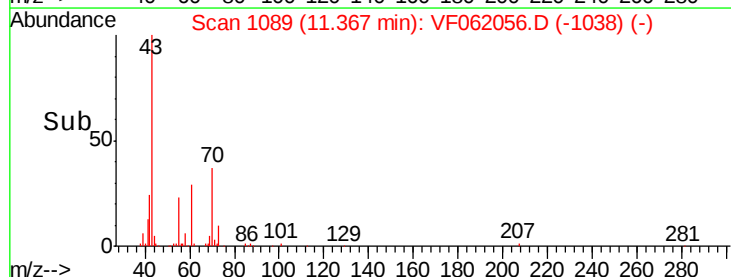
20000

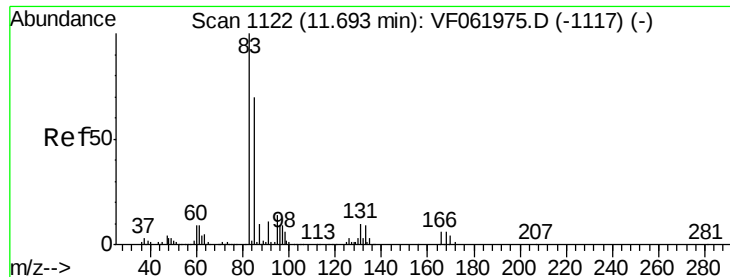
10000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.423 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

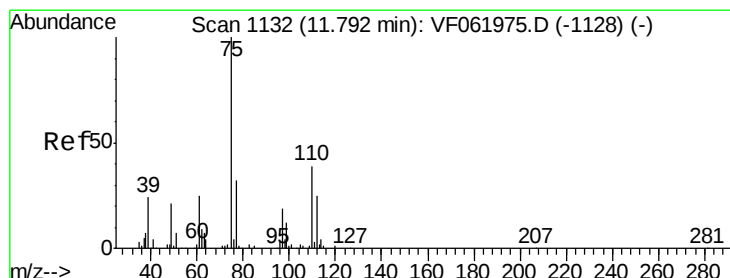
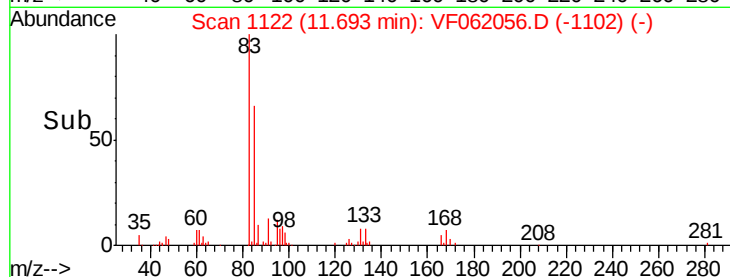
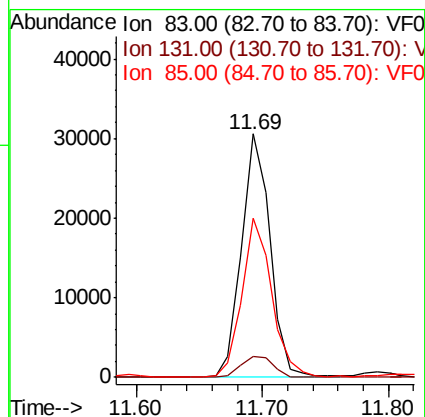
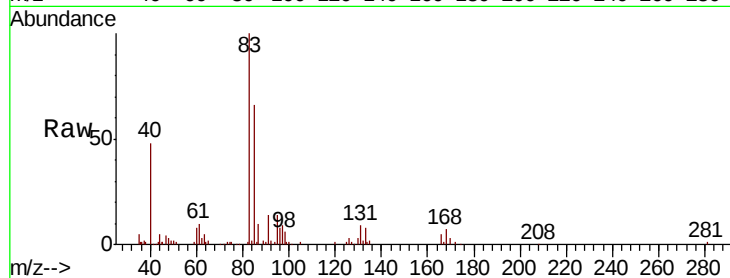
Tgt Ion: 83 Resp: 47966

Ion Ratio Lower Upper

83 100

131 8.7 4.9 14.7

85 65.6 35.3 105.9



#76

1,2,3-Trichloropropane

Concen: 21.470 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF062056.D

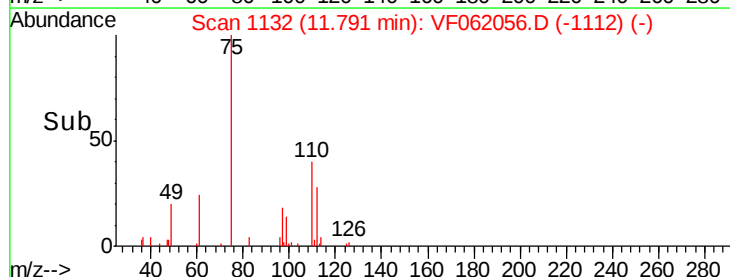
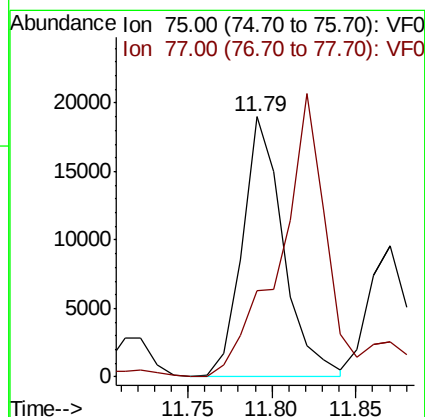
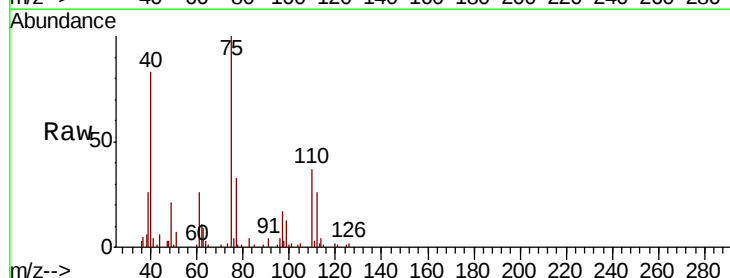
Acq: 21 Mar 2019 13:04

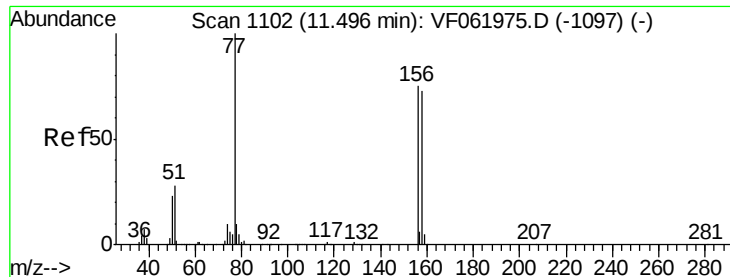
Tgt Ion: 75 Resp: 32116

Ion Ratio Lower Upper

75 100

77 33.0 16.4 49.2





#77

Bromobenzene

Concen: 21.397 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

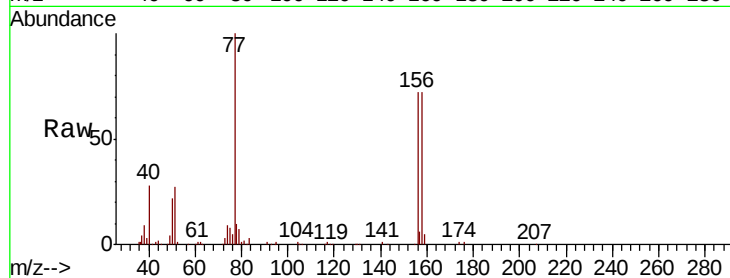
Tgt Ion: 156 Resp: 64217

Ion Ratio Lower Upper

156 100

77 139.0 67.0 201.0

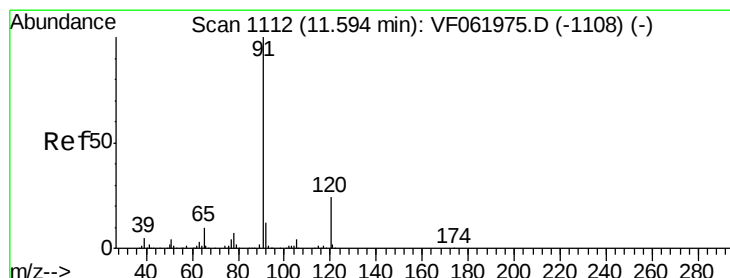
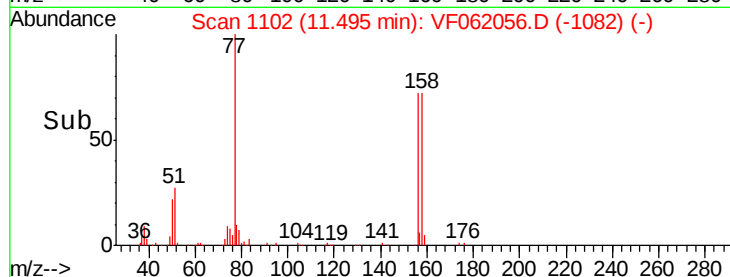
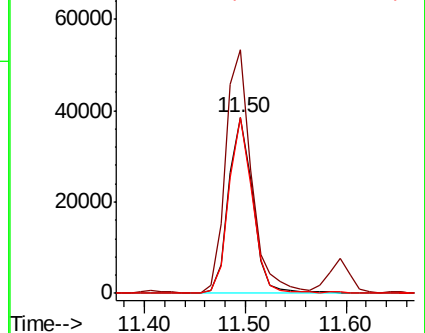
158 100.5 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.481 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062056.D

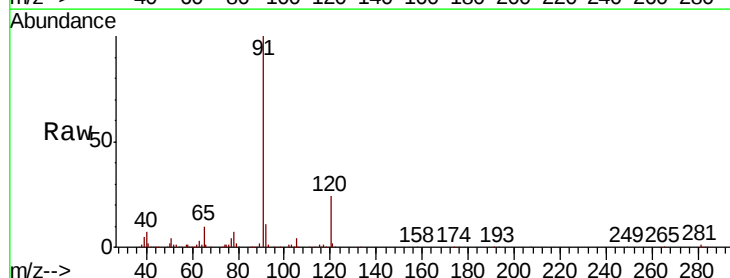
Acq: 21 Mar 2019 13:04

Tgt Ion: 91 Resp: 320109

Ion Ratio Lower Upper

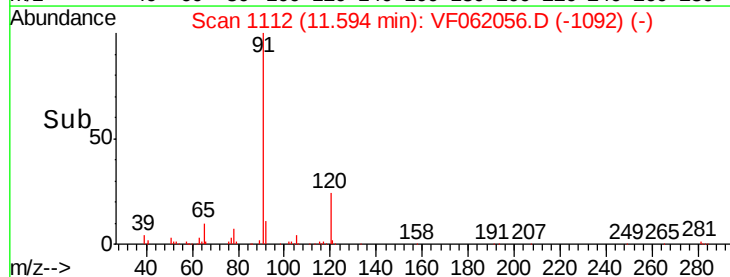
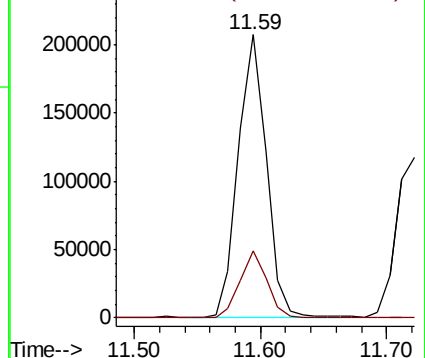
91 100

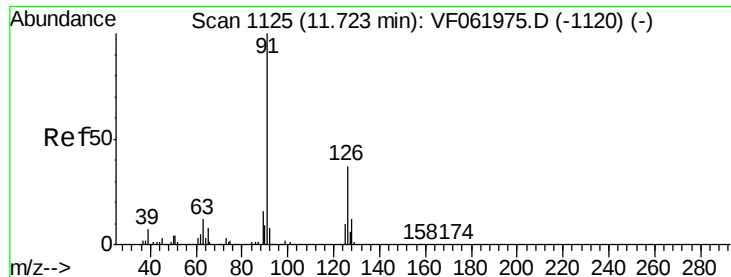
120 23.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

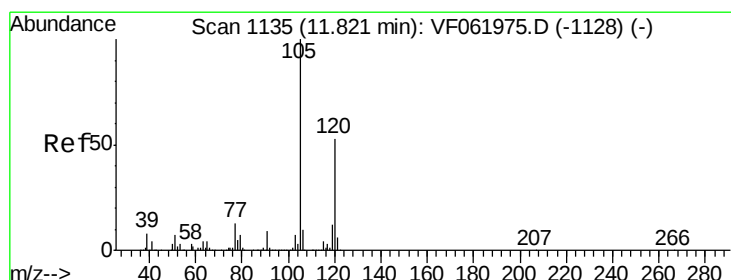
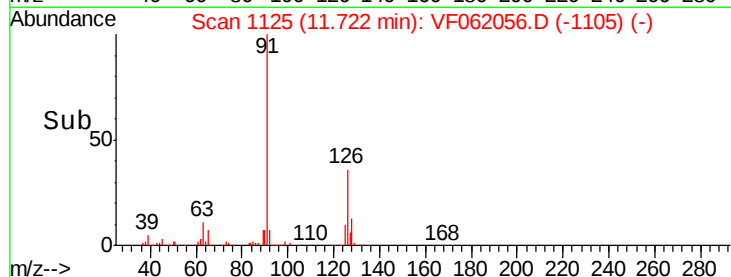
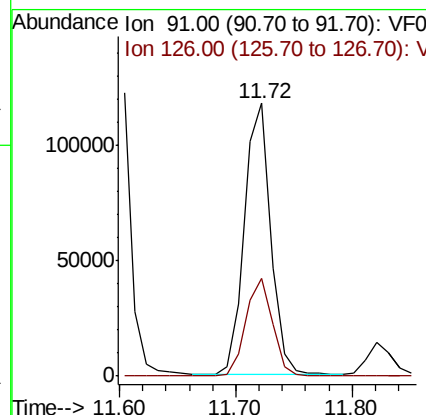
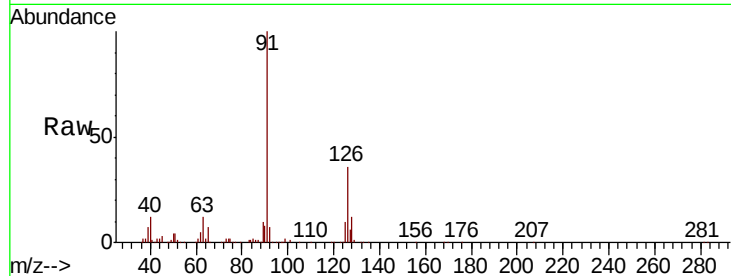




#79
 2-Chlorotoluene
 Concen: 21.857 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

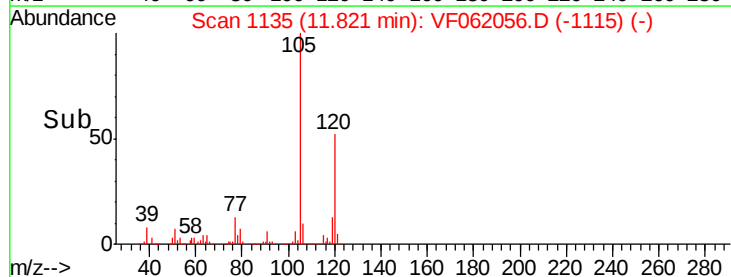
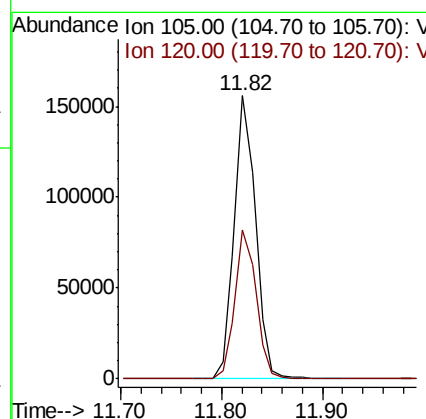
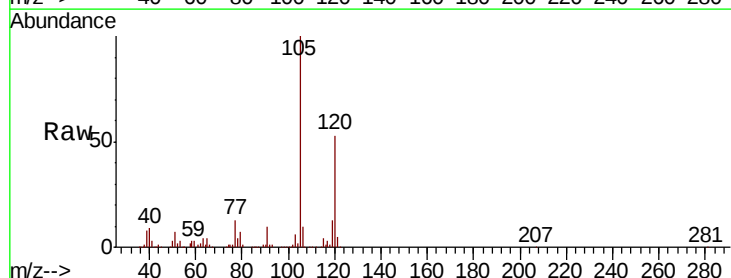
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

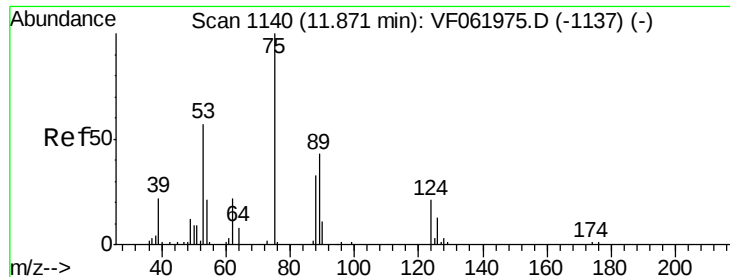
Tgt Ion: 91 Resp: 183846
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.020 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 105 Resp: 230520
 Ion Ratio Lower Upper
 105 100
 120 52.5 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 29.705 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

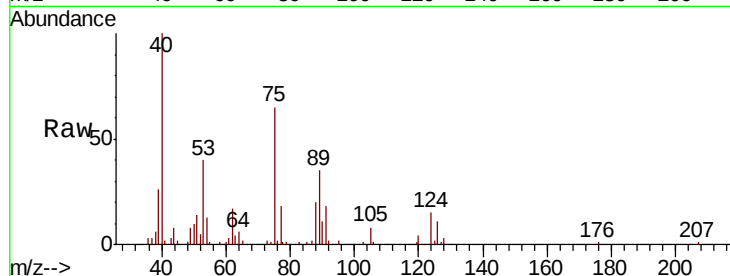
Tgt Ion: 75 Resp: 19657

Ion Ratio Lower Upper

75 100

53 61.2 49.0 73.6

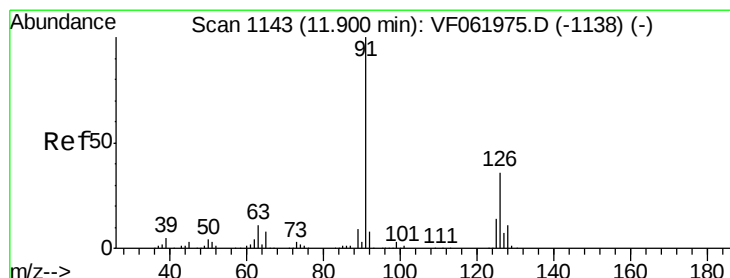
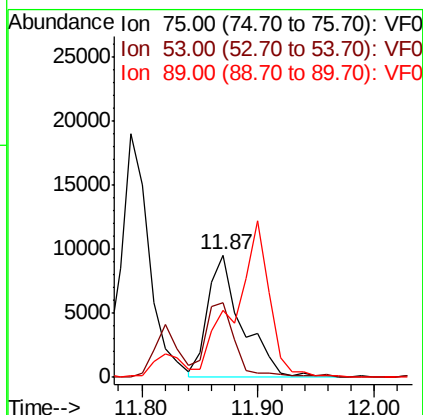
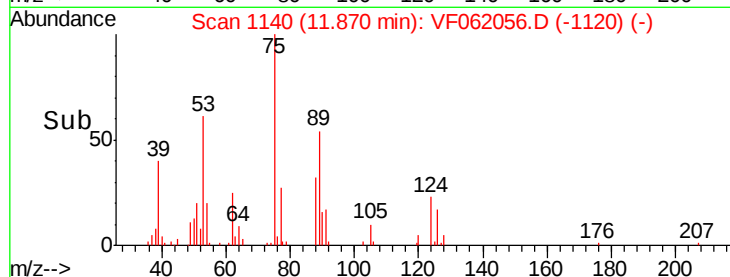
89 54.3 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.389 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062056.D

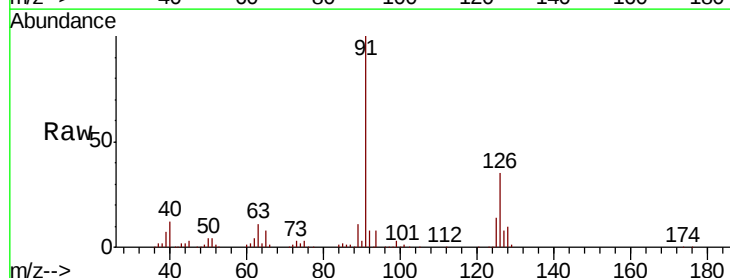
Acq: 21 Mar 2019 13:04

Tgt Ion: 91 Resp: 181936

Ion Ratio Lower Upper

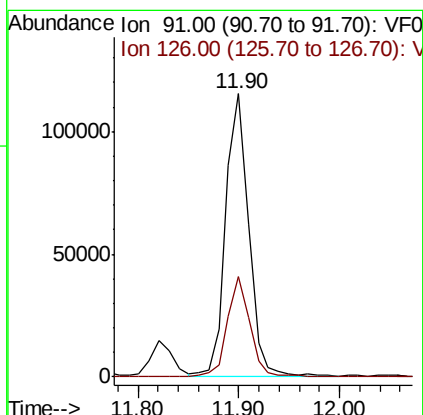
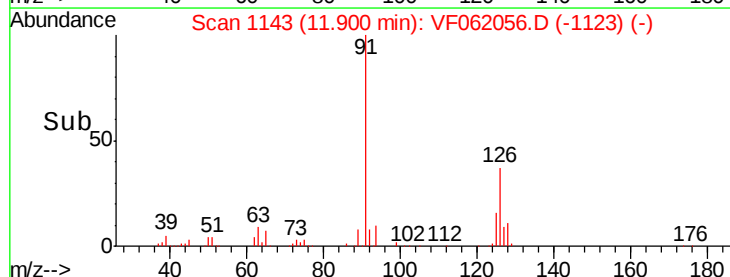
91 100

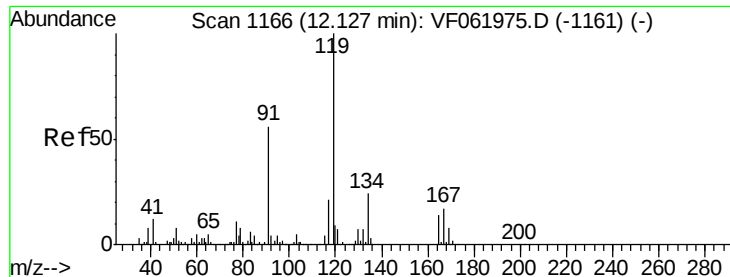
126 35.4 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

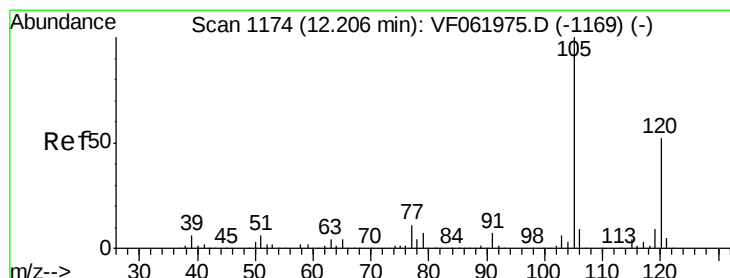
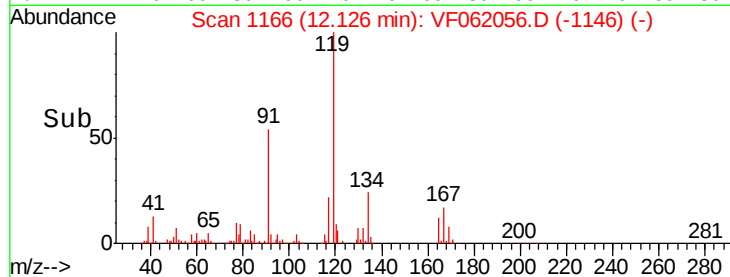
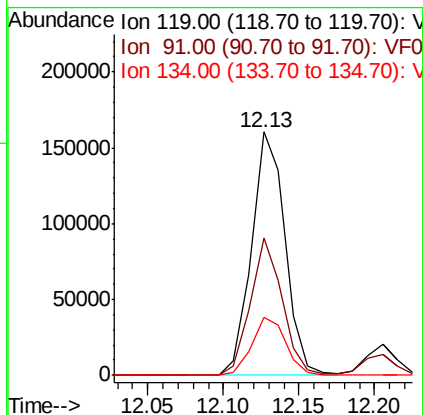
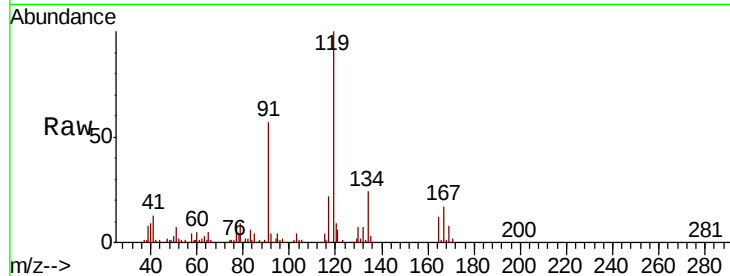




#83
 tert-Butylbenzene
 Concen: 22.708 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

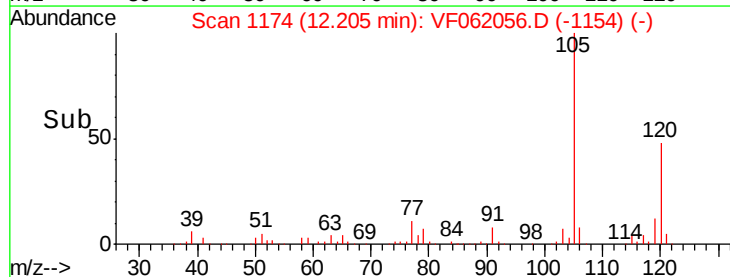
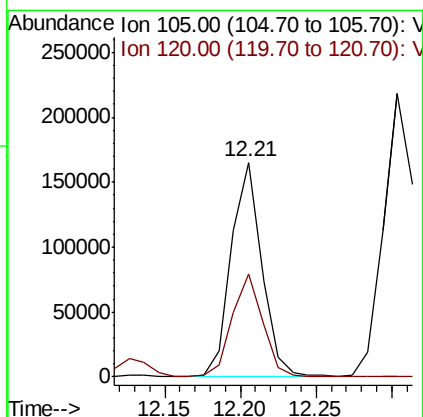
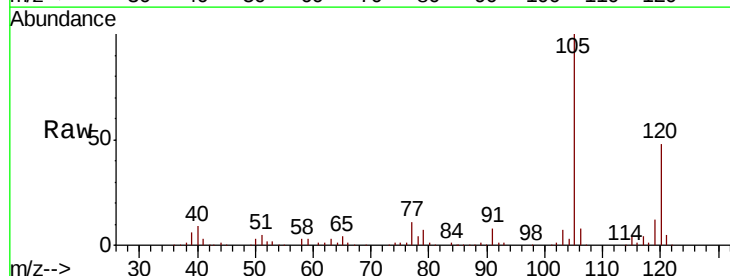
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

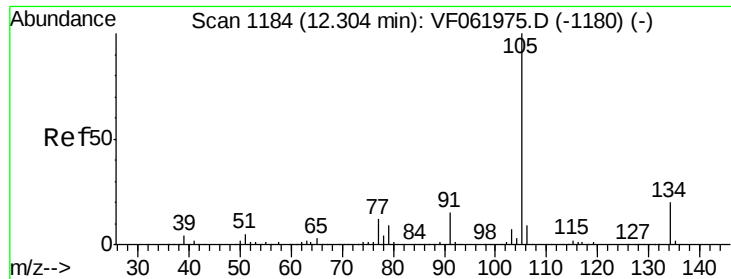
Tgt Ion:119 Resp: 248613
 Ion Ratio Lower Upper
 119 100
 91 56.7 27.9 83.6
 134 24.0 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.224 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion:105 Resp: 233039
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.9 77.8

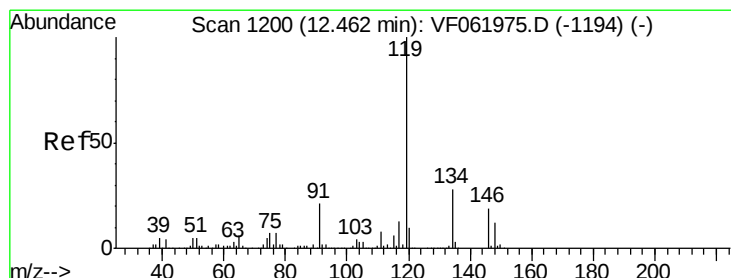
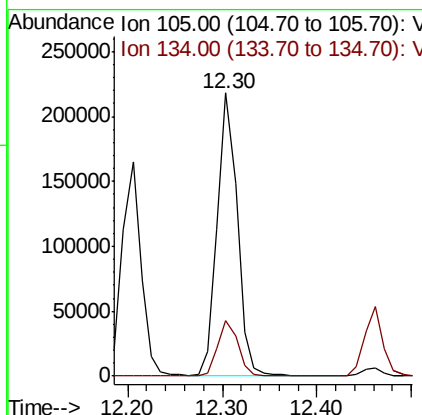
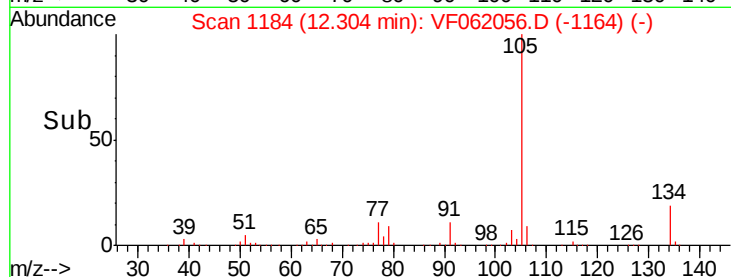
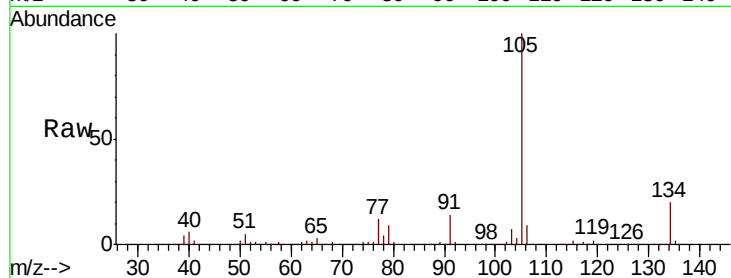




#85
 sec-Butylbenzene
 Concen: 21.720 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

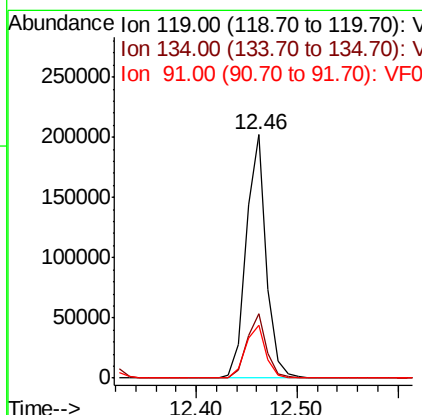
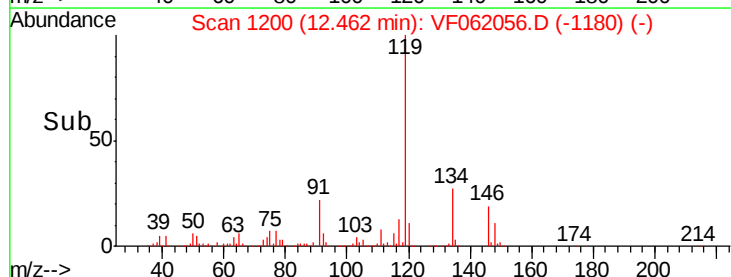
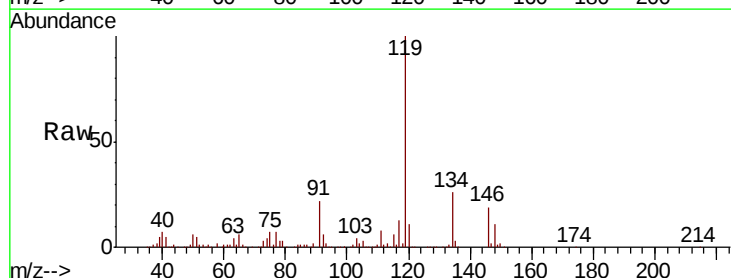
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

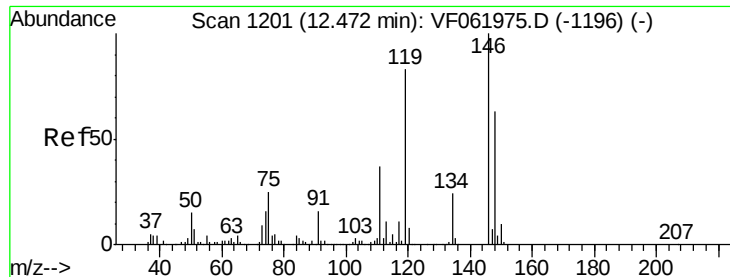
Tgt Ion:105 Resp: 321281
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 22.593 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion:119 Resp: 278866
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.9 41.7
 91 22.0 10.4 31.1

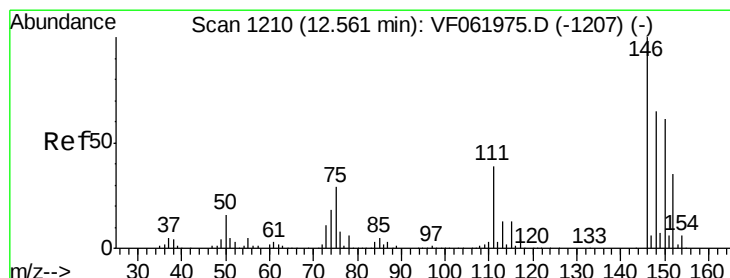
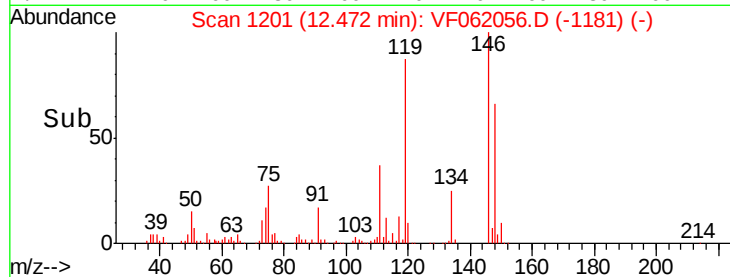
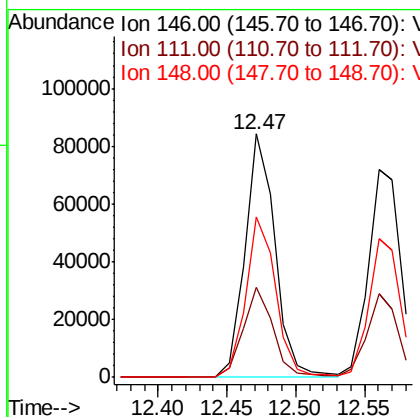
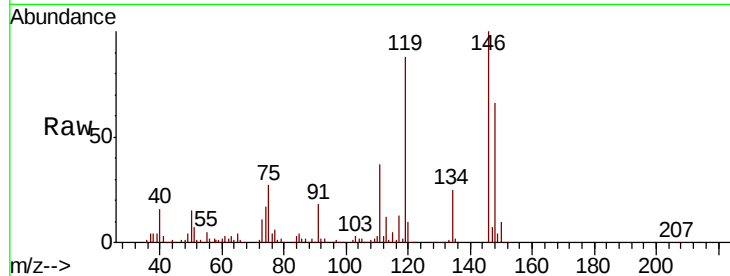




#87
 1,3-Dichlorobenzene
 Concen: 21.838 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

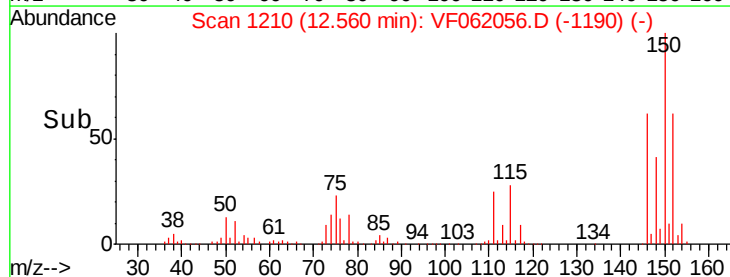
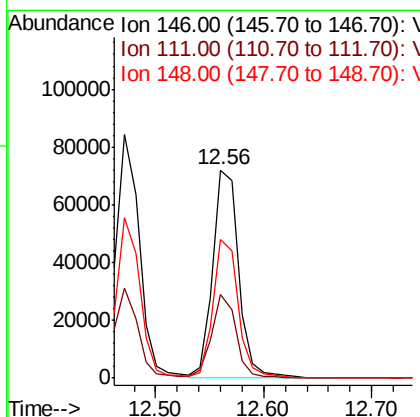
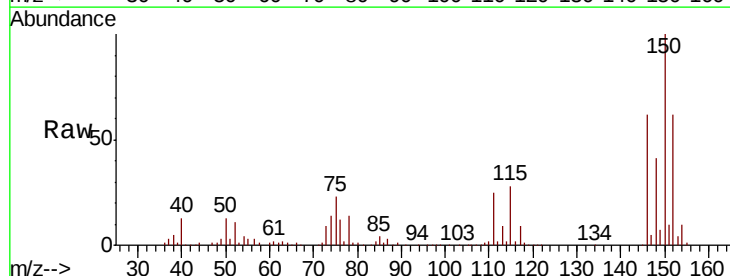
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

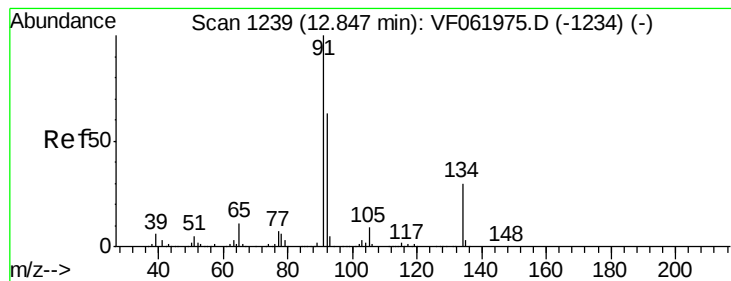
Tgt Ion:146 Resp: 128815
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 66.1 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 21.163 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion:146 Resp: 120151
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.4 58.1
 148 66.5 32.4 97.0





#89

n-Butylbenzene

Concen: 22.818 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

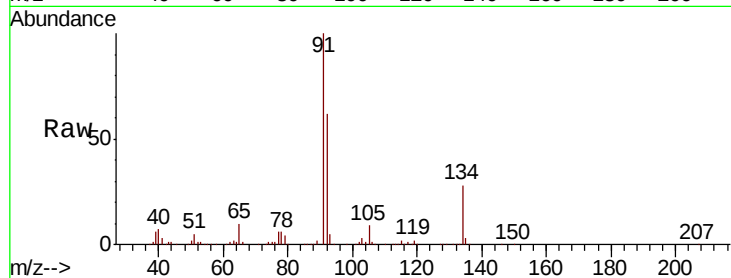
Tgt Ion: 91 Resp: 264657

Ion Ratio Lower Upper

91 100

92 61.8 31.7 95.1

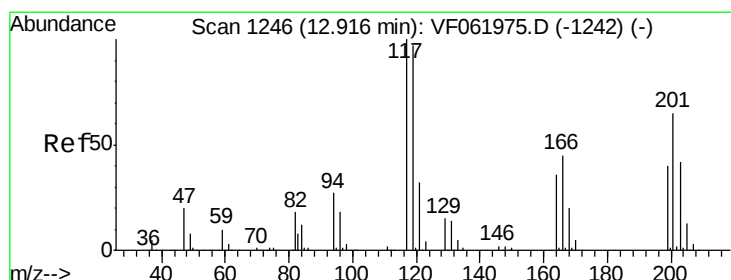
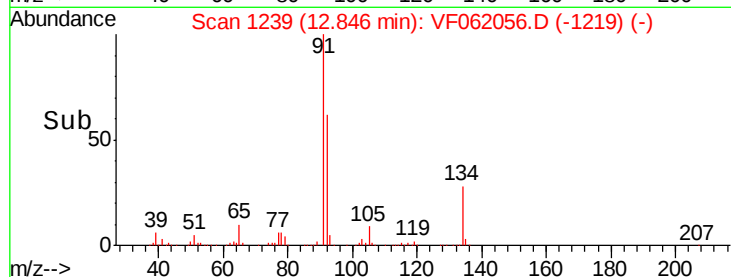
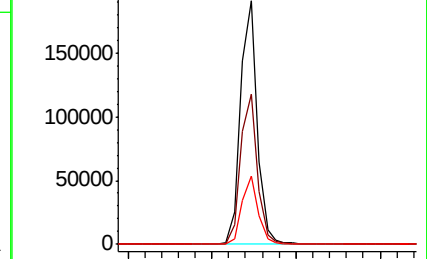
134 28.2 15.1 45.3



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: 22.911 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF062056.D

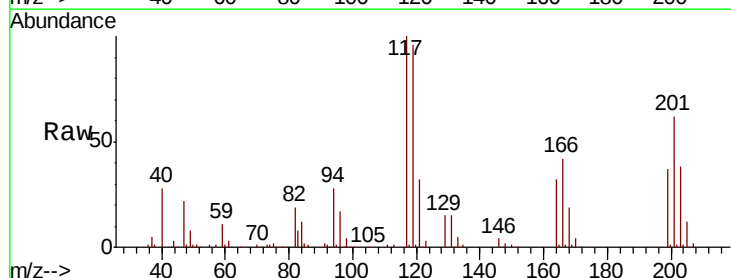
Acq: 21 Mar 2019 13:04

Tgt Ion: 117 Resp: 64536

Ion Ratio Lower Upper

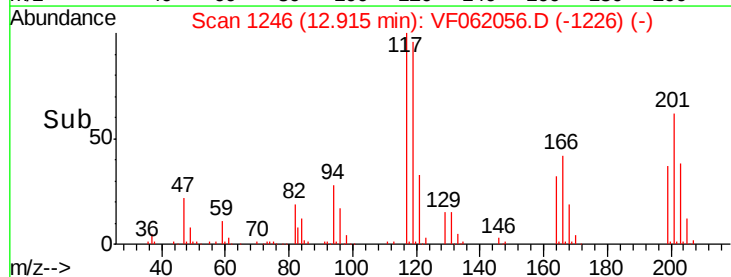
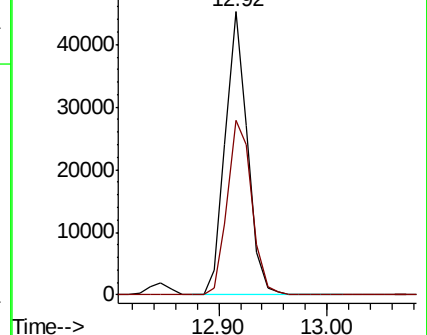
117 100

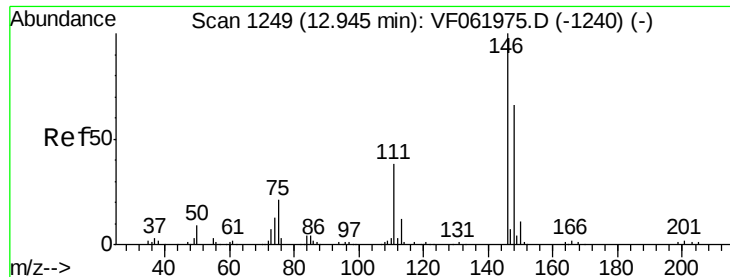
201 61.8 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

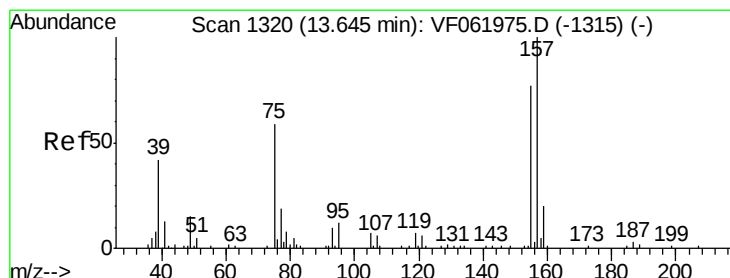
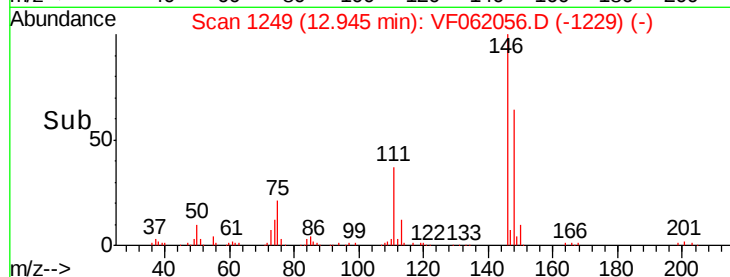
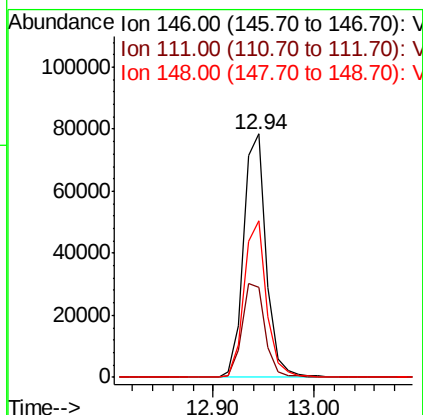
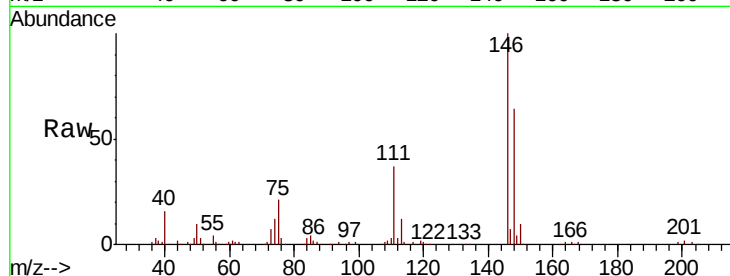




#91
 1,2-Dichlorobenzene
 Concen: 22.545 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

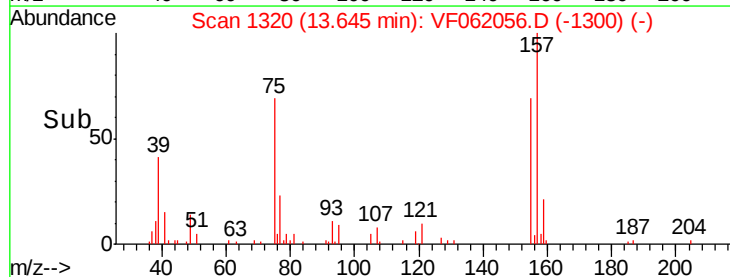
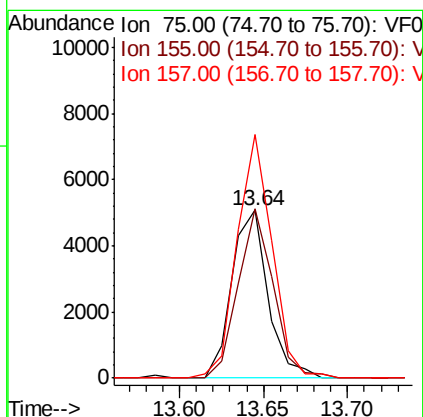
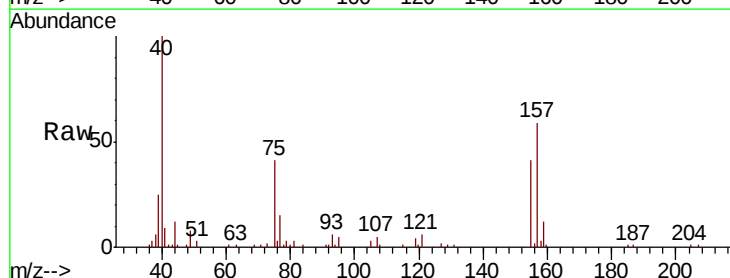
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

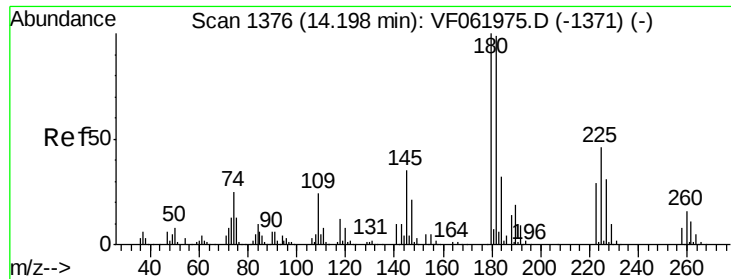
Tgt Ion:146 Resp: 123170
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.5
 148 64.3 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.096 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 75 Resp: 7585
 Ion Ratio Lower Upper
 75 100
 155 100.6 65.0 195.1
 157 144.9 84.7 254.0

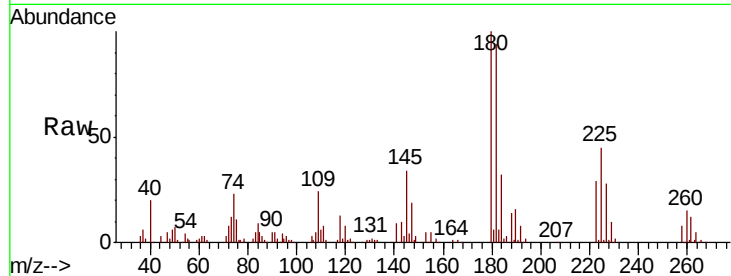




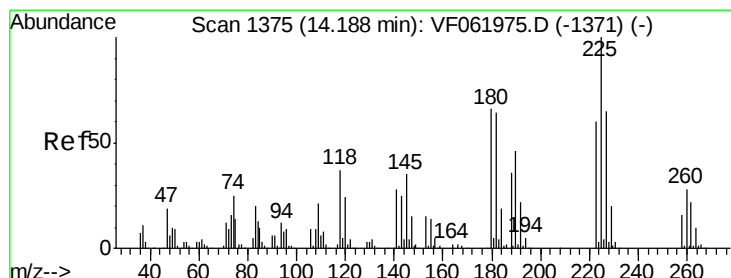
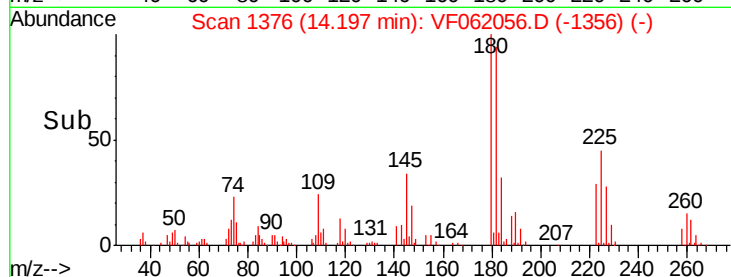
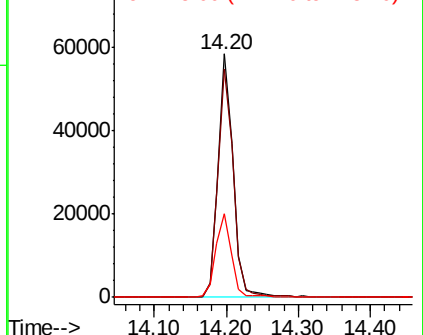
#93
 1,2,4-Trichlorobenzene
 Concen: 21.864 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

Tgt Ion:180 Resp: 83181
 Ion Ratio Lower Upper
 180 100
 182 93.5 49.6 149.0
 145 34.2 17.5 52.5

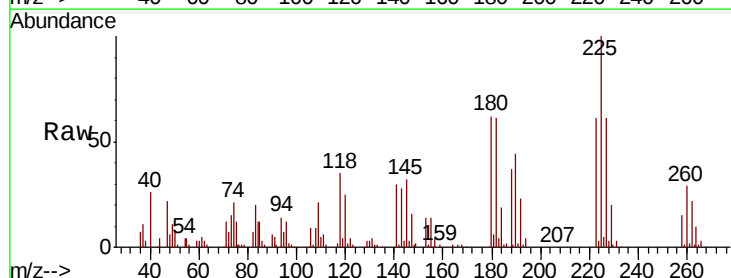


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

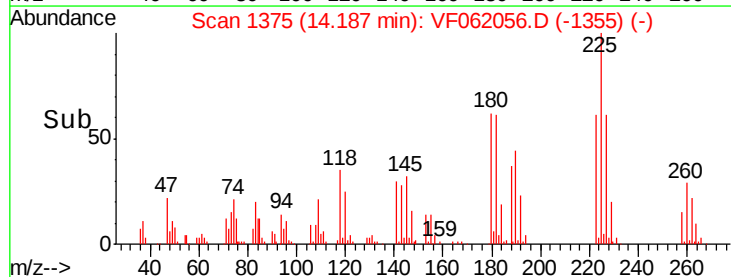
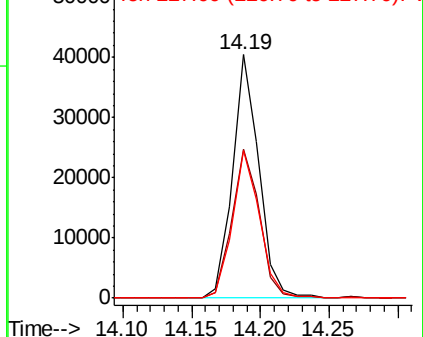


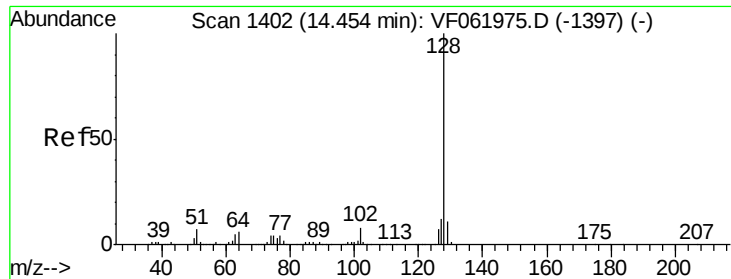
#94
 Hexachlorobutadiene
 Concen: 21.426 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion:225 Resp: 54115
 Ion Ratio Lower Upper
 225 100
 223 61.2 29.9 89.7
 227 60.9 32.4 97.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

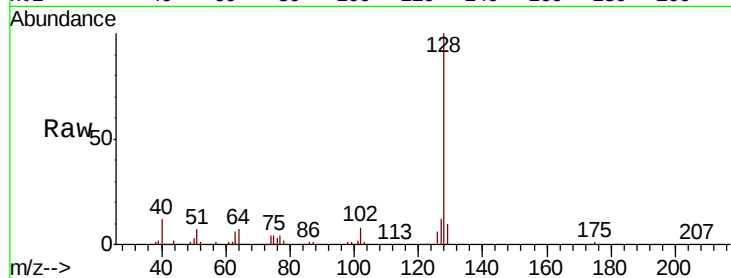




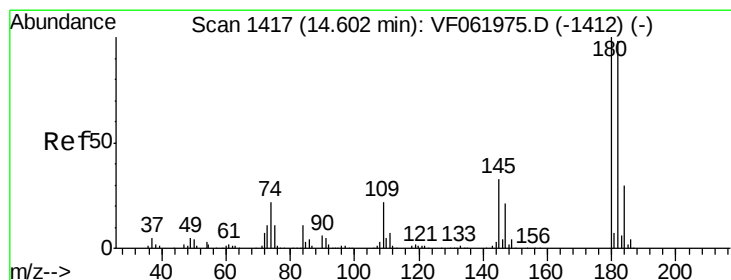
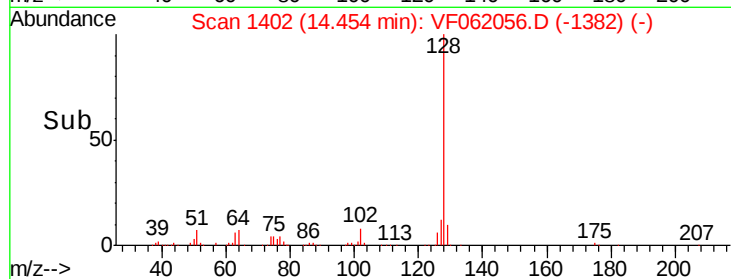
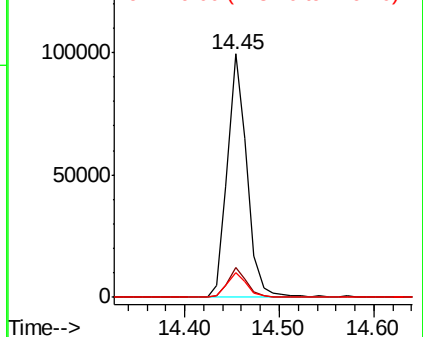
#95
Naphthalene
Concen: 20.954 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tgt Ion:128 Resp: 143377
Ion Ratio Lower Upper
128 100
127 12.0 9.3 13.9
129 10.4 9.1 13.7

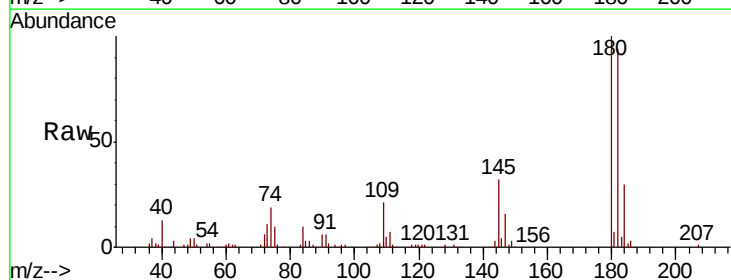


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.620 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion:180 Resp: 75672
Ion Ratio Lower Upper
180 100
182 94.0 48.9 146.8
145 32.3 16.7 50.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

