

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062759.D
 Acq On : 28 May 2019 14:28
 Operator : FY/SY
 Sample : VF0528SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Quant Time: May 29 01:46:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	810965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1325035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1012114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	489947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	242160	42.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	84.52%	
35) Dibromofluoromethane	4.34	113	454206	44.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	7.73	98	1067556	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
62) 4-Bromofluorobenzene	11.50	95	397364	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	195337	17.700	ug/l	98
3) Chloromethane	1.14	50	177472	17.465	ug/l	89
4) Vinyl Chloride	1.19	62	171971	18.385	ug/l	95
5) Bromomethane	1.39	94	92853	18.145	ug/l	100
6) Chloroethane	1.46	64	63579	18.507	ug/l	89
7) Trichlorofluoromethane	1.55	101	254001	20.224	ug/l	94
8) Diethyl Ether	1.72	74	46202	18.569	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	157390	19.680	ug/l	92
10) Methyl Iodide	2.00	142	242516	15.437	ug/l	95
11) Tert butyl alcohol	2.71	59	34069	90.048	ug/l	94
12) 1,1-Dichloroethene	1.88	96	151533	20.800	ug/l	97
13) Acrolein	2.11	56	25405	64.327	ug/l	97
14) Allyl chloride	2.21	41	150344	22.802	ug/l	96
15) Acrylonitrile	3.10	53	163243	152.958	ug/l #	92
16) Acetone	2.37	43	127372	85.673	ug/l #	88
17) Carbon Disulfide	1.91	76	407623	18.878	ug/l #	94
18) Methyl Acetate	2.47	43	50004	21.403	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	275883	21.184	ug/l	100
20) Methylene Chloride	2.36	84	94869	12.730	ug/l	92
21) trans-1,2-Dichloroethene	2.43	96	144328	20.269	ug/l	94
22) Diisopropyl ether	2.95	45	321162	19.749	ug/l	99
23) Vinyl Acetate	3.36	43	1122634	102.338	ug/l	99
24) 1,1-Dichloroethane	3.03	63	252208	21.141	ug/l	99
25) 2-Butanone	4.54	43	311060	97.929	ug/l	99
26) 2,2-Dichloropropane	3.79	77	156514	22.930	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	250104	21.353	ug/l	97
28) Bromochloromethane	3.92	49	126965	18.976	ug/l	96
29) Tetrahydrofuran	4.30	42	124194	96.621	ug/l	96
30) Chloroform	4.08	83	354683	21.414	ug/l	98
31) Cyclohexane	3.89	56	334663	20.893	ug/l	97
32) 1,1,1-Trichloroethane	4.32	97	230114	20.919	ug/l	95
36) 1,1-Dichloropropene	4.49	75	279668	20.598	ug/l	96
37) Ethyl Acetate	4.33	43	117940	21.275	ug/l	89
38) Carbon Tetrachloride	4.21	117	202321	19.813	ug/l	99

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Quant Time: May 29 01:46:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	336294	20.585	ug/l	97
40) Benzene	4.85	78	814200	22.012	ug/l	99
41) Methacrylonitrile	4.96	41	58177	20.017	ug/l	94
42) 1,2-Dichloroethane	5.16	62	154695	20.972	ug/l	94
43) Isopropyl Acetate	7.14	43	149676	20.840	ug/l	91
44) Trichloroethene	5.71	130	222337	21.387	ug/l	90
45) 1,2-Dichloropropane	6.43	63	203317	21.775	ug/l	95
46) Dibromomethane	6.29	93	115987	21.494	ug/l	93
47) Bromodichloromethane	6.57	83	243755	21.759	ug/l	99
48) Methyl methacrylate	6.90	41	74049	19.726	ug/l	99
49) 1,4-Dioxane	6.90	88	19440	404.322	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	524170	106.772	ug/l	98
52) Toluene	7.80	92	428195	22.073	ug/l	91
53) t-1,3-Dichloropropene	8.45	75	199761	21.796	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	287893	22.440	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	124835	21.734	ug/l	89
56) Ethyl methacrylate	8.77	69	144123	21.062	ug/l	95
57) 1,3-Dichloropropane	9.02	76	215720	22.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	253008	113.591	ug/l	98
59) 2-Hexanone	9.64	43	345875	97.408	ug/l	99
60) Dibromochloromethane	8.88	129	171390	22.895	ug/l	97
61) 1,2-Dibromoethane	9.16	107	137440	22.529	ug/l	96
64) Tetrachloroethene	8.33	164	180771	22.545	ug/l	95
65) Chlorobenzene	9.96	112	456398	22.959	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	177028	22.183	ug/l	97
67) Ethyl Benzene	10.04	91	790702	22.896	ug/l	95
68) m/p-Xylenes	10.27	106	589306	45.403	ug/l	86
69) o-Xylene	10.83	106	295767	22.124	ug/l	97
70) Styrene	10.90	104	442524	21.778	ug/l	98
71) Bromoform	10.89	173	86215	21.571	ug/l #	99
73) Isopropylbenzene	11.23	105	791767	22.548	ug/l	95
74) N-amyl acetate	11.46	43	203525	19.486	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	162656	22.666	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	101595	21.546	ug/l	91
77) Bromobenzene	11.59	156	186086	21.319	ug/l	96
78) n-propylbenzene	11.68	91	934834	22.495	ug/l	90
79) 2-Chlorotoluene	11.81	91	520790	22.236	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	643694	22.861	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	59896	28.577	ug/l	99
82) 4-Chlorotoluene	11.99	91	518091	22.432	ug/l	97
83) tert-Butylbenzene	12.20	119	625477	21.895	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	617120	22.645	ug/l	96
85) sec-Butylbenzene	12.38	105	853248	22.256	ug/l	97
86) p-Isopropyltoluene	12.53	119	731513	22.641	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	344384	21.808	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	319324	21.548	ug/l	99
89) n-Butylbenzene	12.90	91	728139	22.858	ug/l	91
90) Hexachloroethane	12.98	117	171428	22.118	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	314466	22.339	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18053	21.087	ug/l	65

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Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Quant Time: May 29 01:46:04 2019
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

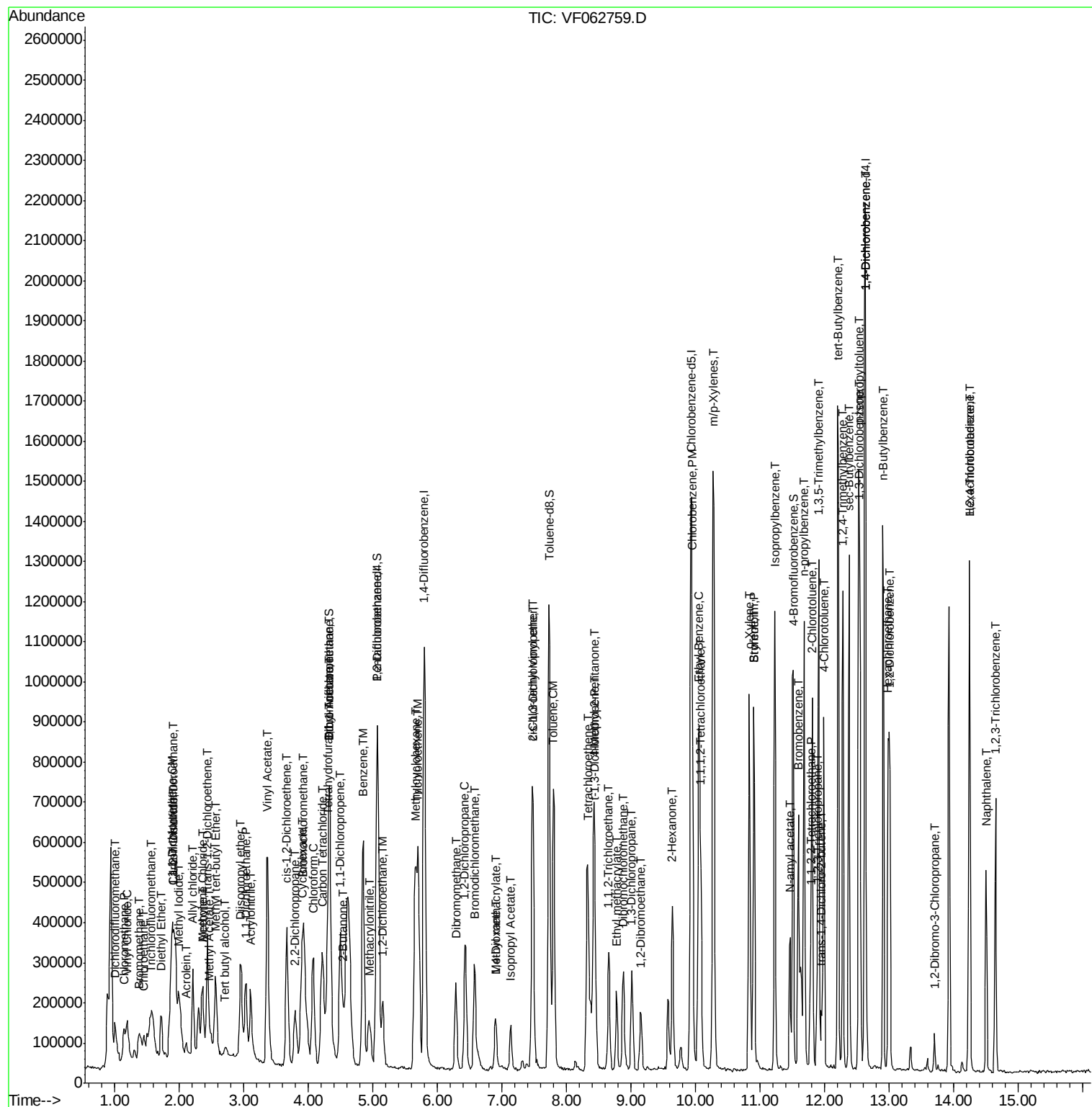
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	213119	21.151	ug/l	93
94) Hexachlorobutadiene	14.23	225	152367	21.668	ug/l	95
95) Naphthalene	14.50	128	339121	18.526	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	203973	21.372	ug/l	97

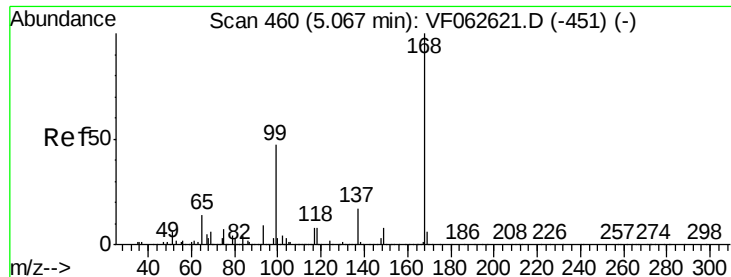
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

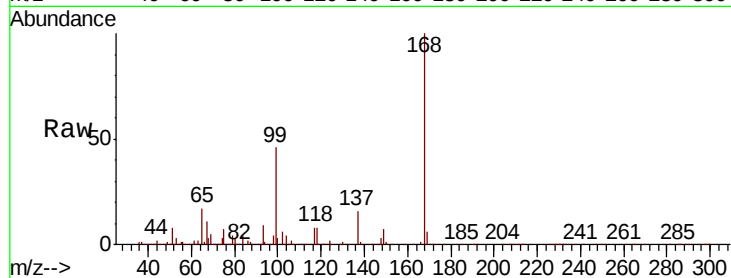
VF0528SBS02

Tot Ion:168 Resp: 810965

Ion Ratio Lower Upper

168 100

99 46.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

300000

250000

200000

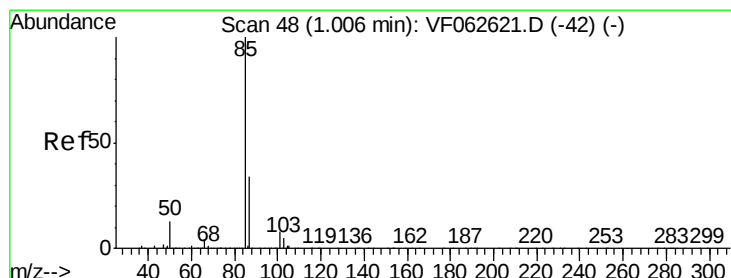
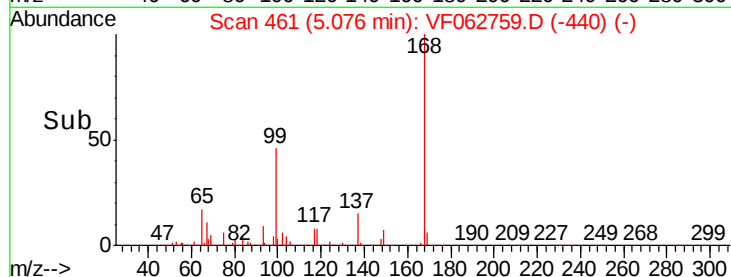
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 17.700 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062759.D

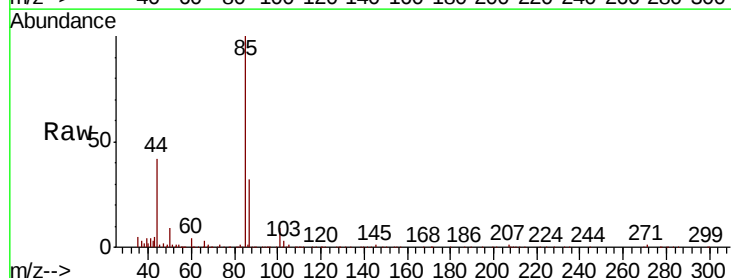
Acq: 28 May 2019 14:28

Tgt Ion: 85 Resp: 195337

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

60000

50000

40000

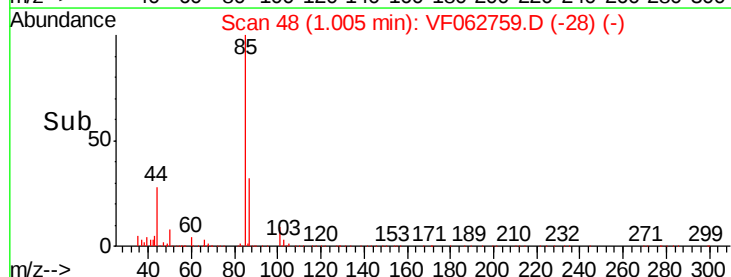
30000

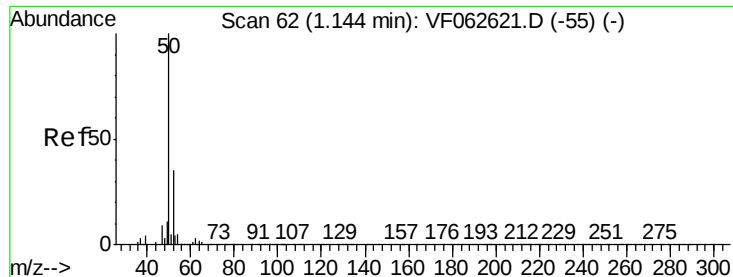
20000

10000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 17.465 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

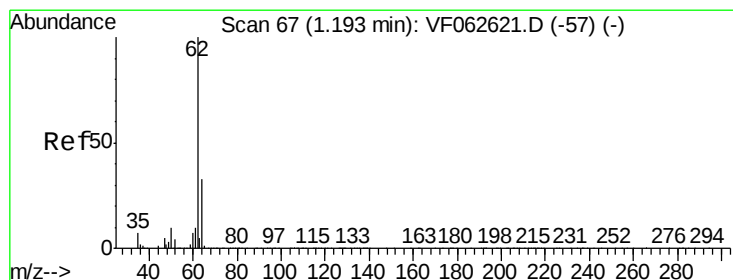
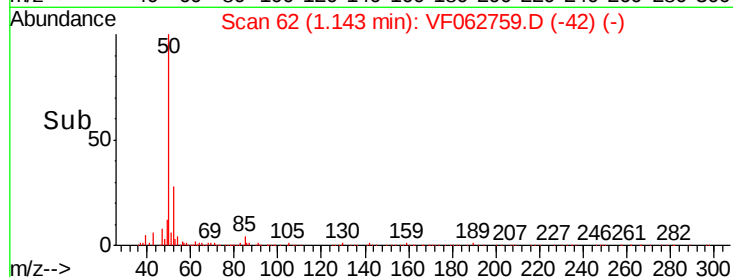
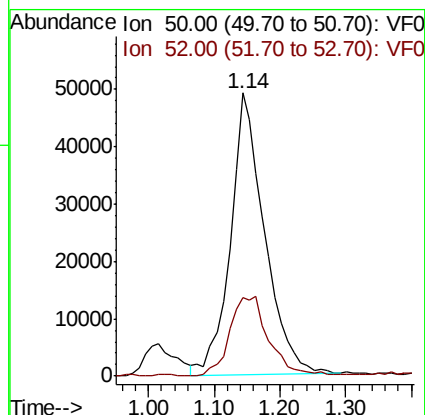
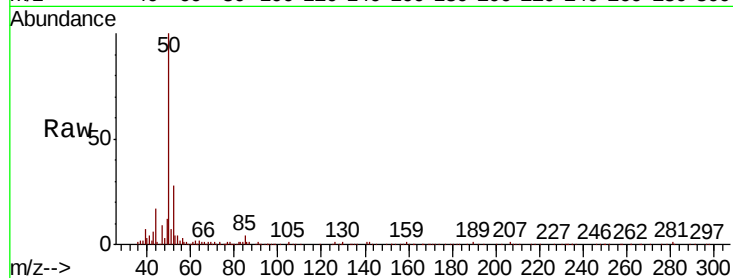
VF0528SBS02

Tot Ion: 50 Resp: 177472

Ion Ratio Lower Upper

50 100

52 27.8 27.5 41.3



#4

Vinyl Chloride

Concen: 18.385 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062759.D

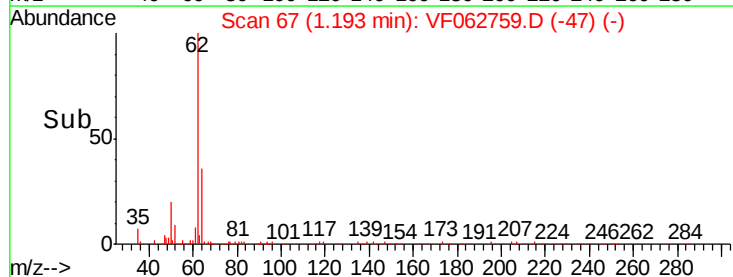
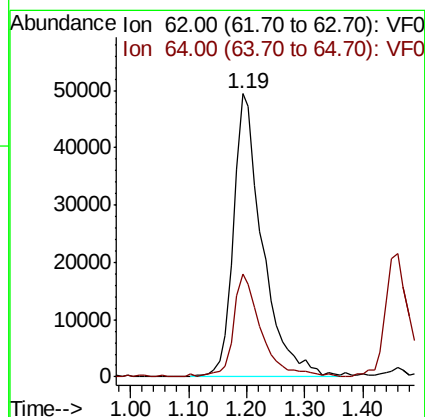
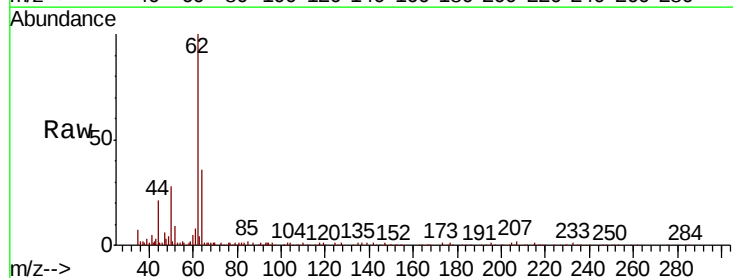
Acq: 28 May 2019 14:28

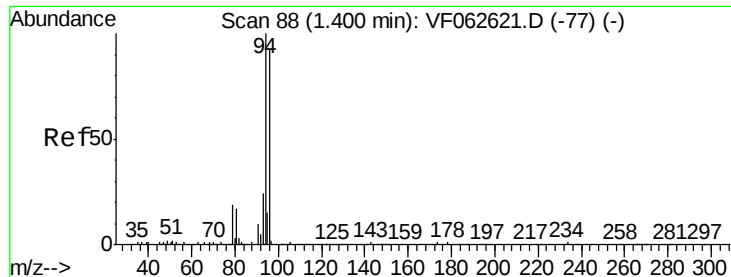
Tgt Ion: 62 Resp: 171971

Ion Ratio Lower Upper

62 100

64 36.1 26.7 40.1





#5

Bromomethane

Concen: 18.145 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

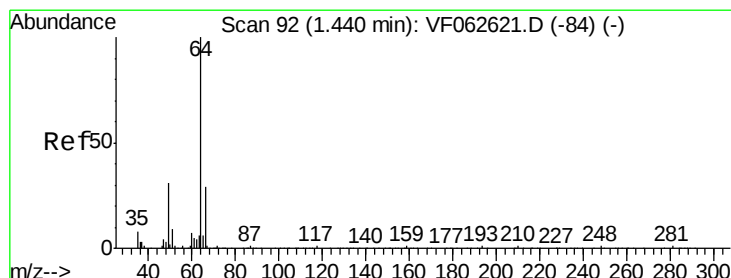
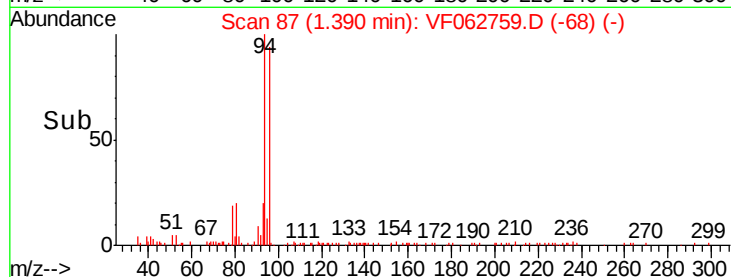
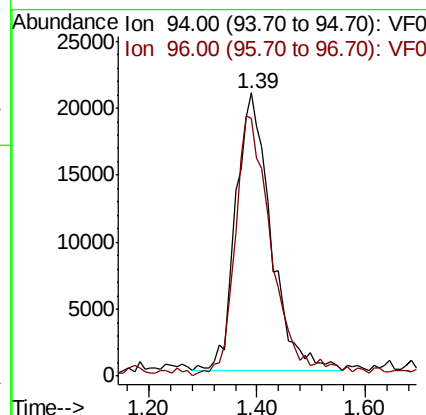
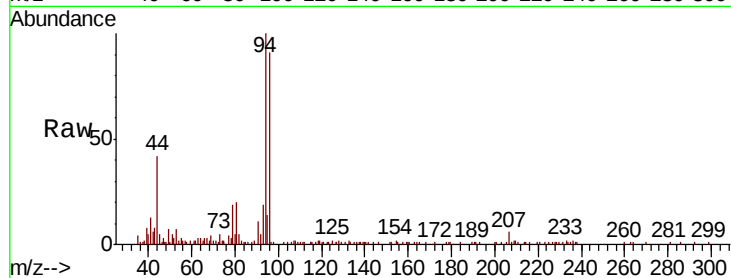
VF0528SBS02

Tot Ion: 94 Resp: 92853

Ion Ratio Lower Upper

94 100

96 91.3 73.2 109.8



#6

Chloroethane

Concen: 18.507 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062759.D

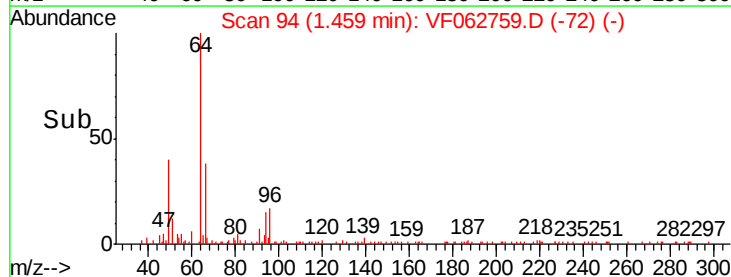
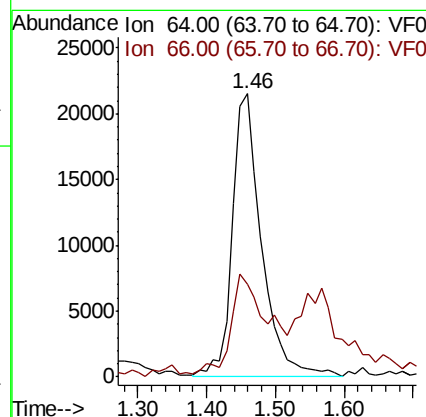
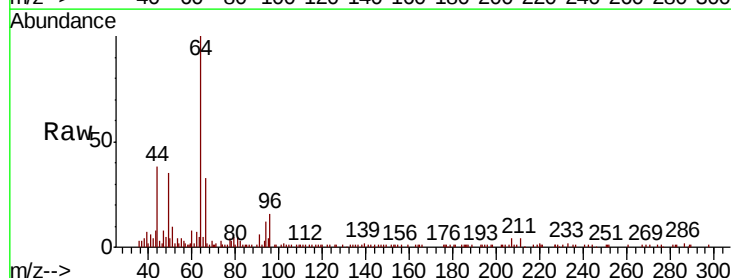
Acq: 28 May 2019 14:28

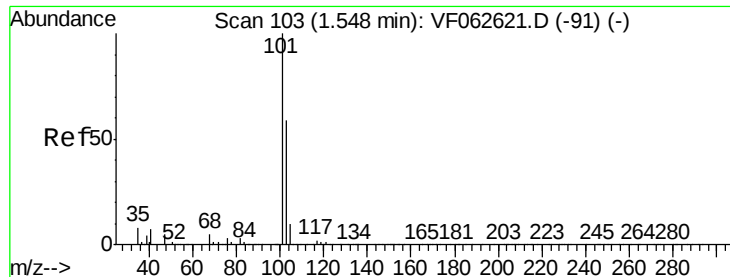
Tgt Ion: 64 Resp: 63579

Ion Ratio Lower Upper

64 100

66 35.1 23.4 35.2



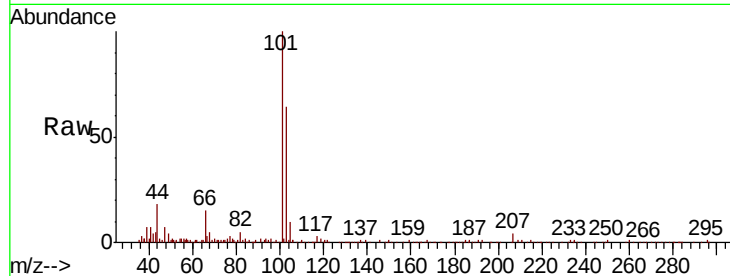


#7

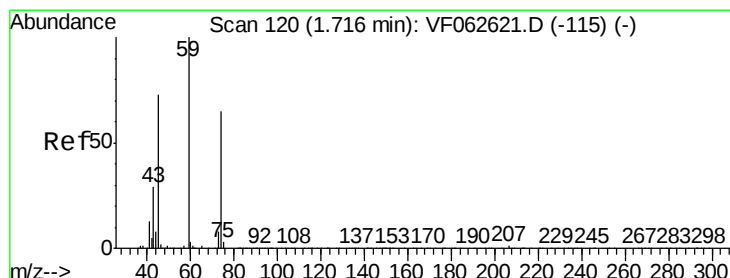
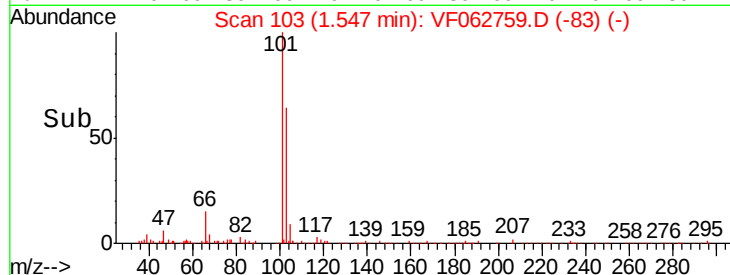
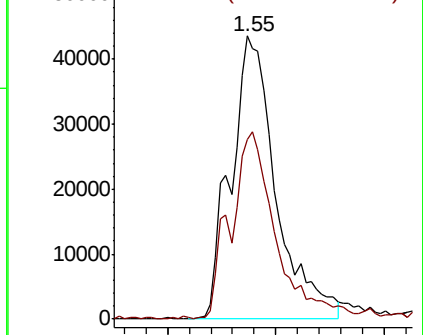
Trichlorofluoromethane
Concen: 20.224 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion:101 Resp: 254001
Ion Ratio Lower Upper
101 100
103 63.7 47.3 70.9



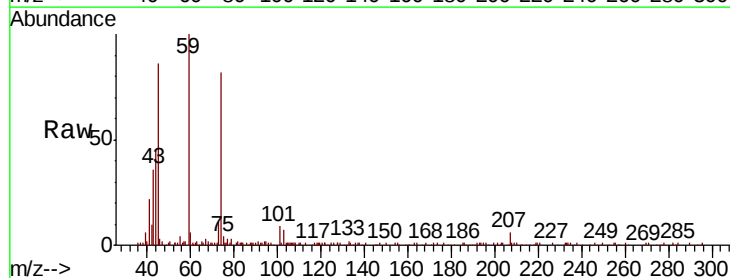
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



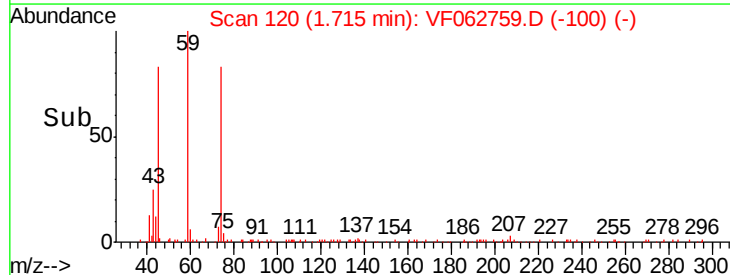
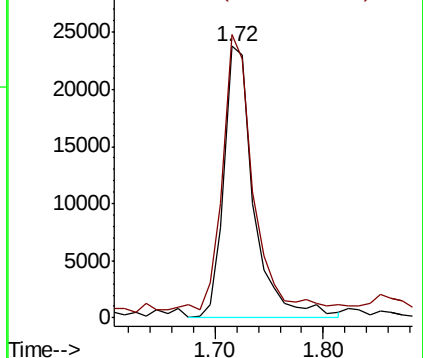
#8

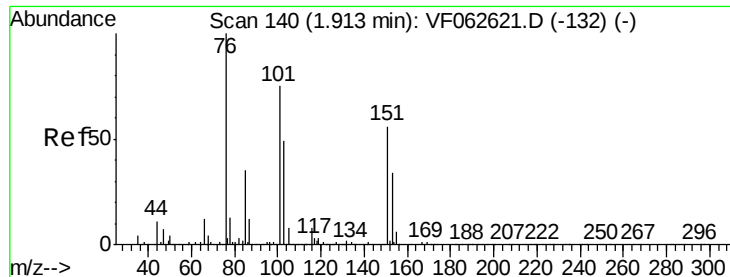
Diethyl Ether
Concen: 18.569 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 74 Resp: 46202
Ion Ratio Lower Upper
74 100
45 104.3 57.0 170.8



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: 19.680 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

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ClientSampleId :

VF0528SBS02

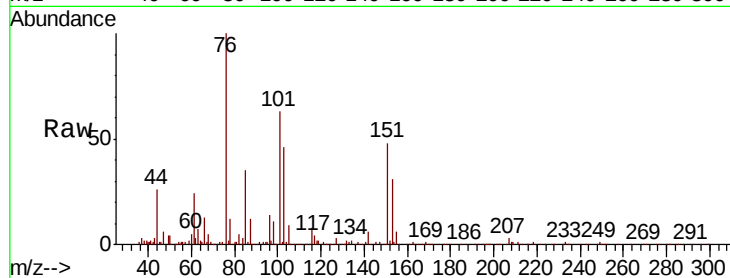
Tot Ion:101 Resp: 157390

Ion Ratio Lower Upper

101 100

85 55.3 37.1 55.7

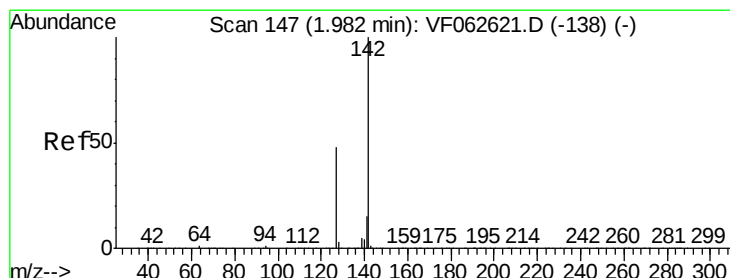
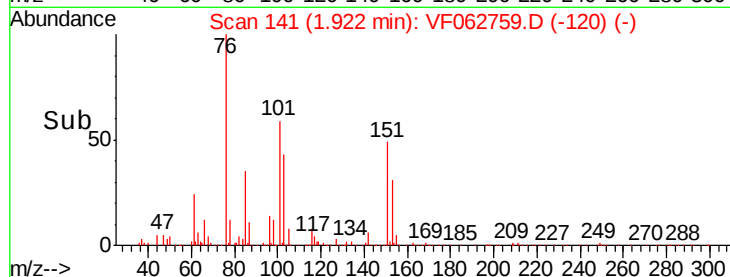
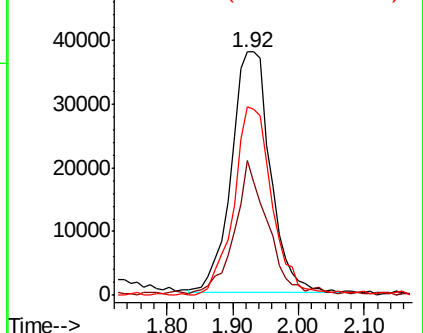
151 77.4 58.8 88.2



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: 15.437 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

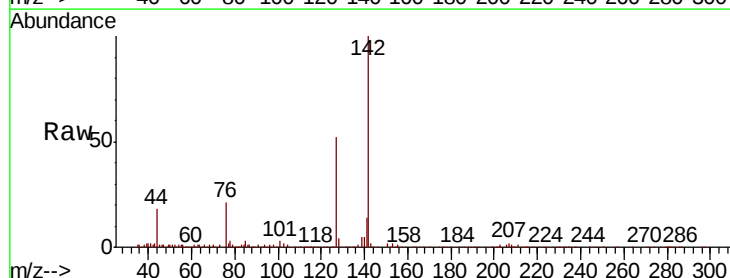
Tgt Ion:142 Resp: 242516

Ion Ratio Lower Upper

142 100

127 52.0 38.1 57.1

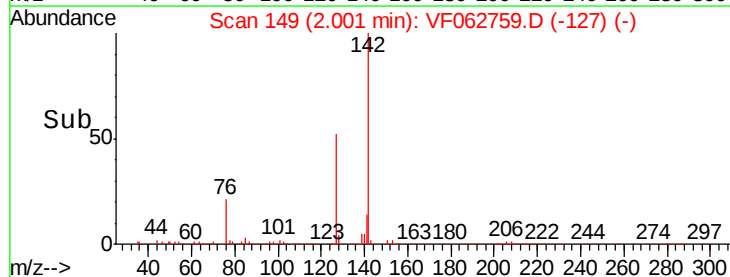
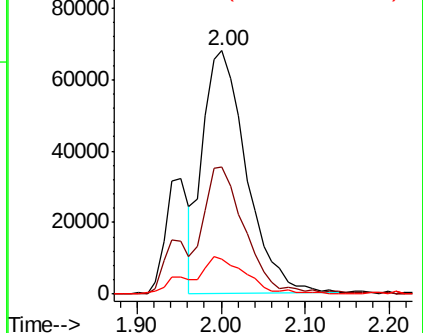
141 14.3 11.7 17.5

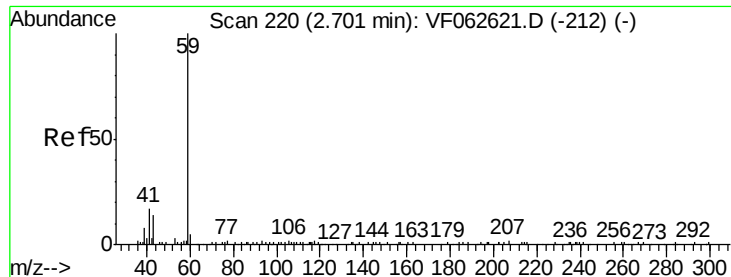


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



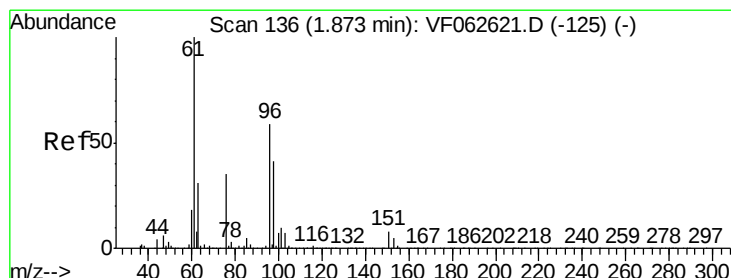
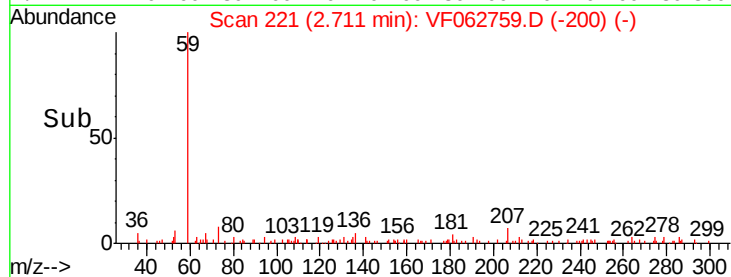
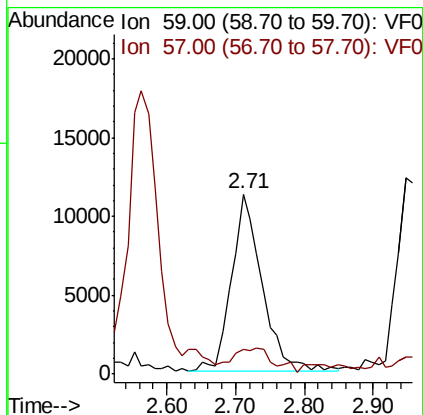
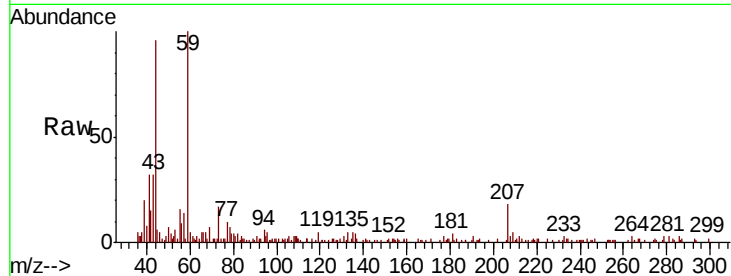


#11

Tert butyl alcohol
Concen: 90.048 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

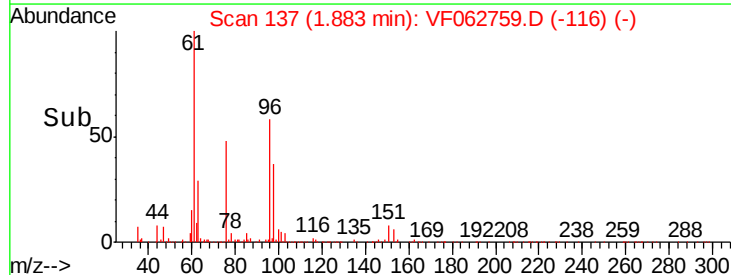
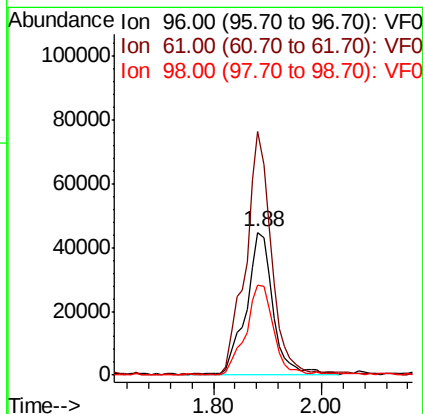
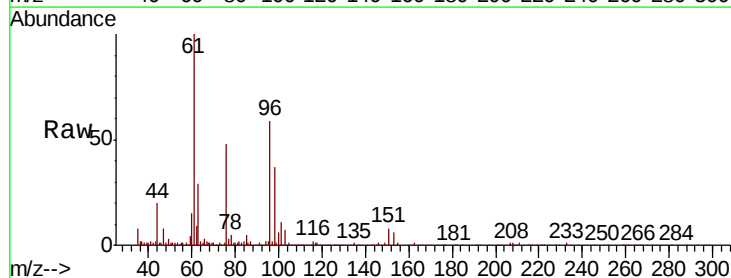
Tot Ion: 59 Resp: 34069
Ion Ratio Lower Upper
59 100
57 13.8 9.3 13.9

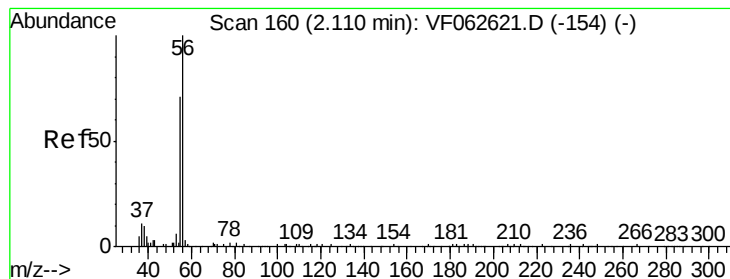


#12

1,1-Dichloroethene
Concen: 20.800 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 96 Resp: 151533
Ion Ratio Lower Upper
96 100
61 170.2 134.3 201.5
98 62.7 55.0 82.6





#13

Acrolein

Concen: 64.327 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

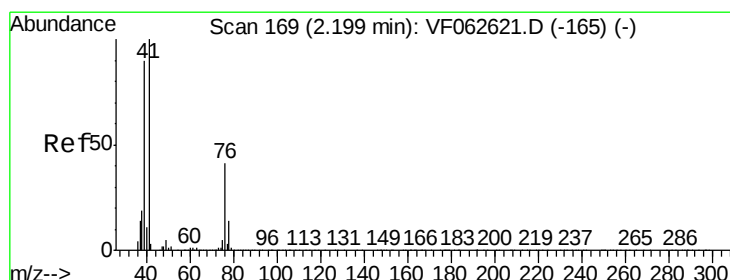
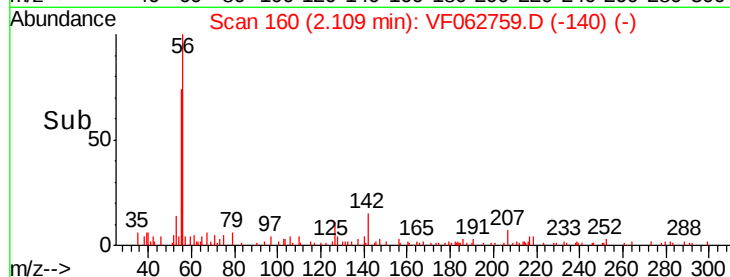
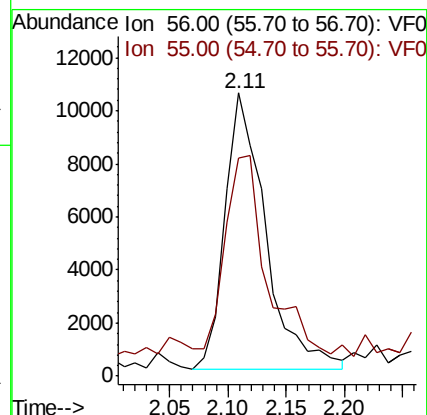
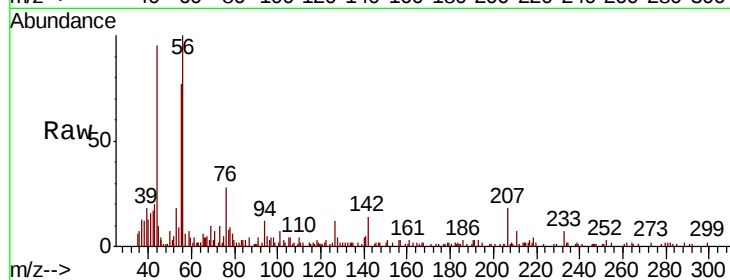
VF0528SBS02

Tot Ion: 56 Resp: 25405

Ion Ratio Lower Upper

56 100

55 76.9 59.4 89.0



#14

Allyl chloride

Concen: 22.802 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

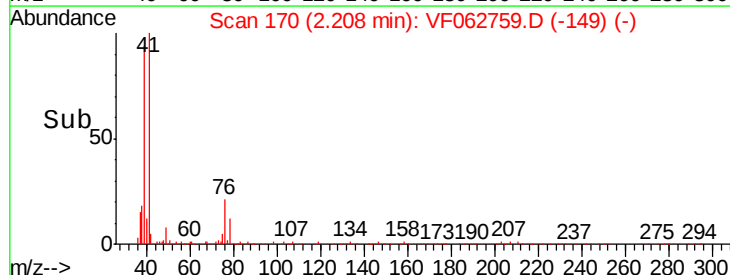
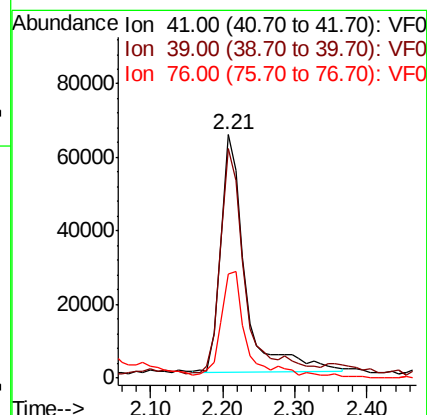
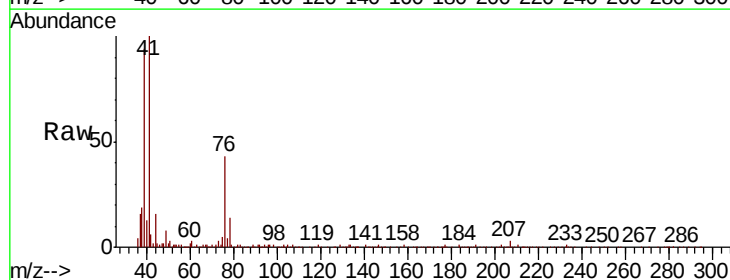
Tgt Ion: 41 Resp: 150344

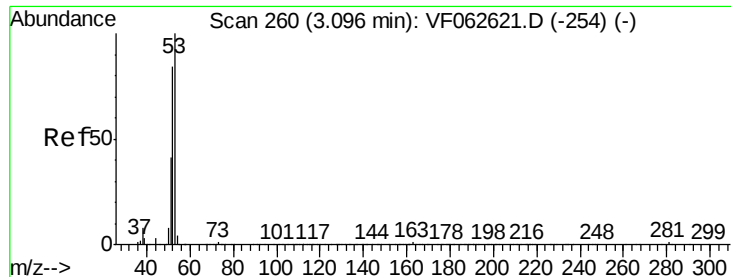
Ion Ratio Lower Upper

41 100

39 94.4 72.0 108.0

76 42.9 34.8 52.2





#15

Acrylonitrile

Concen: 152.958 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

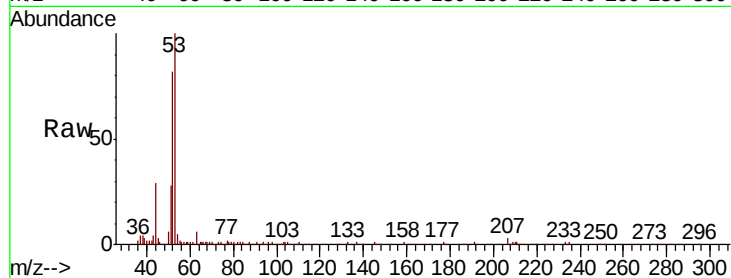
MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 53 Resp: 163243

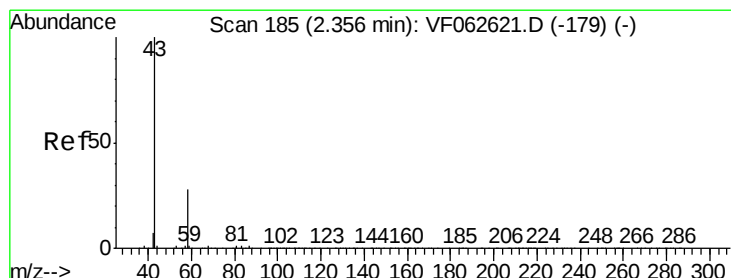
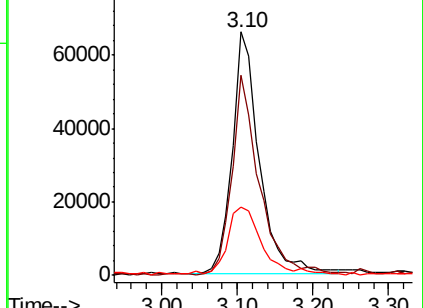
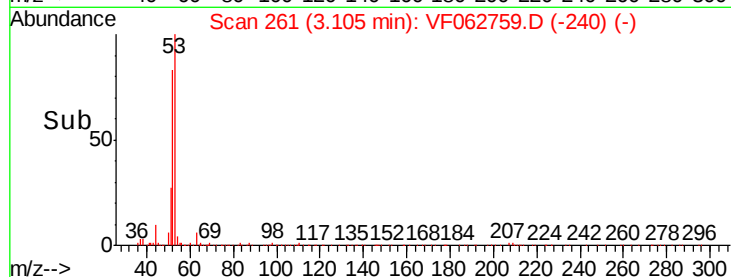
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.3	100.9
51	28.3	33.0	49.6



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: 85.673 ug/l

RT: 2.37 min Scan# 186

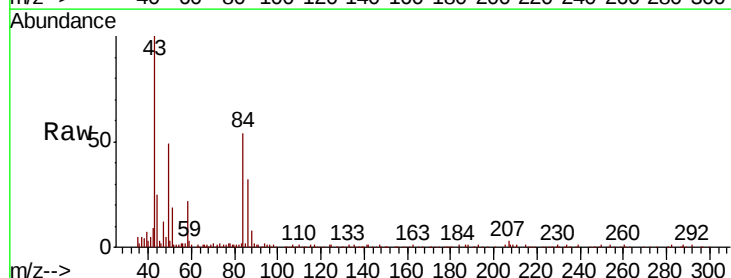
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

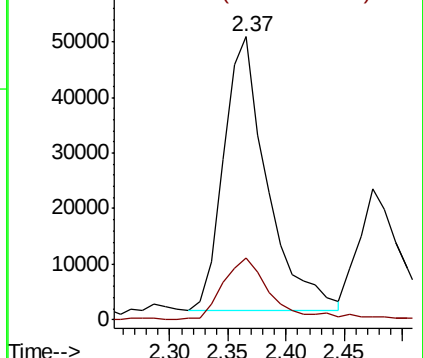
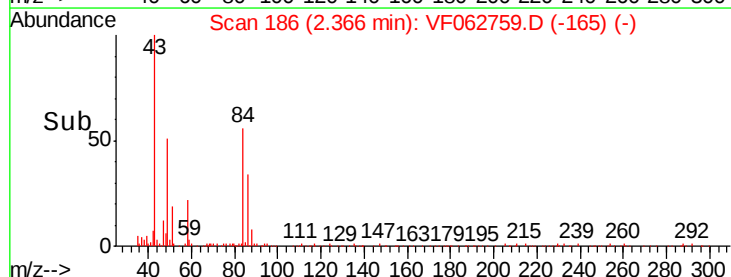
Tgt Ion: 43 Resp: 127372

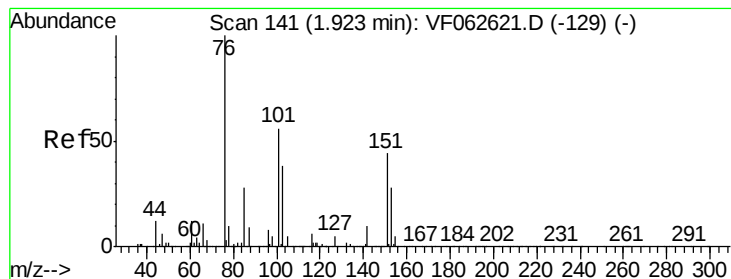
Ion	Ratio	Lower	Upper
43	100		
58	21.7	22.6	33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.878 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

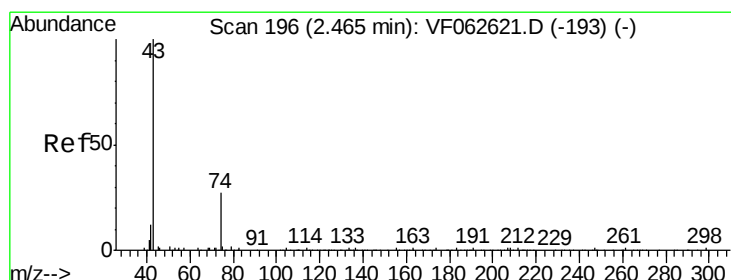
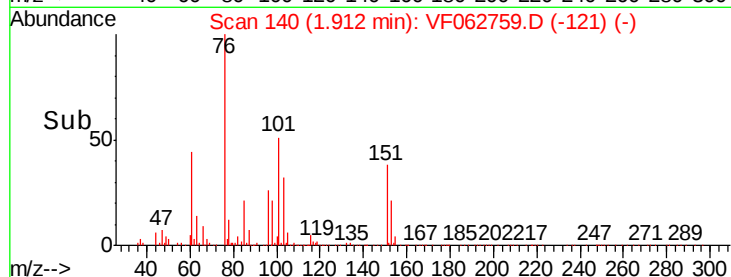
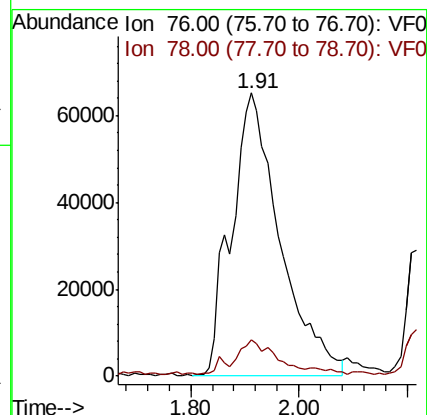
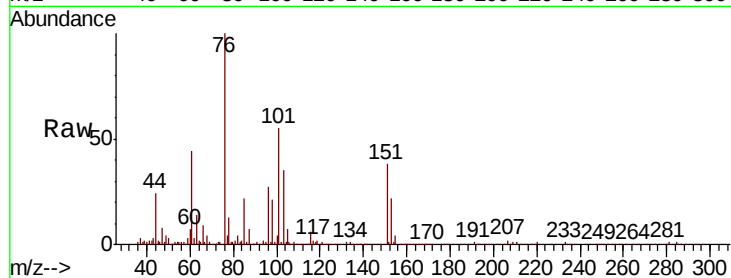
VF0528SBS02

Tot Ion: 76 Resp: 407623

Ion Ratio Lower Upper

76 100

78 12.9 8.4 12.6#



#18

Methyl Acetate

Concen: 21.403 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062759.D

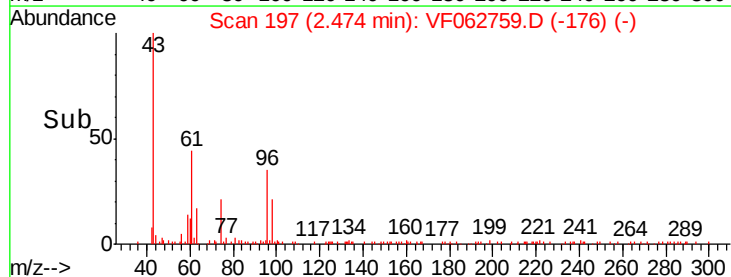
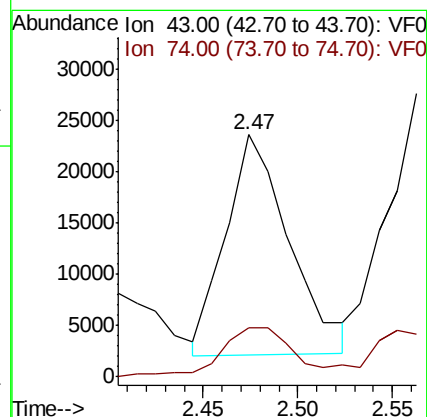
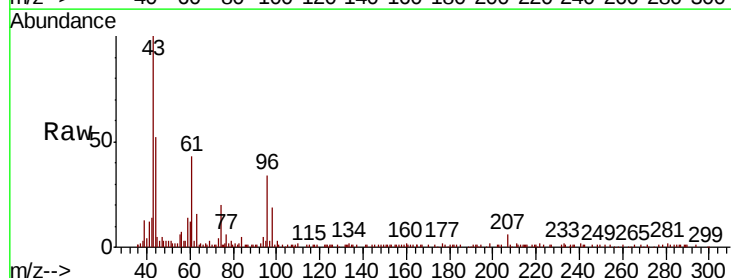
Acq: 28 May 2019 14:28

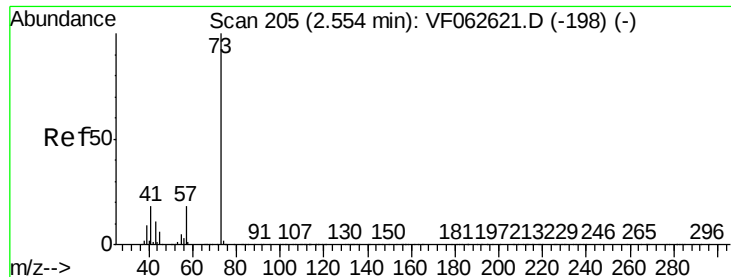
Tgt Ion: 43 Resp: 50004

Ion Ratio Lower Upper

43 100

74 20.2 18.9 28.3



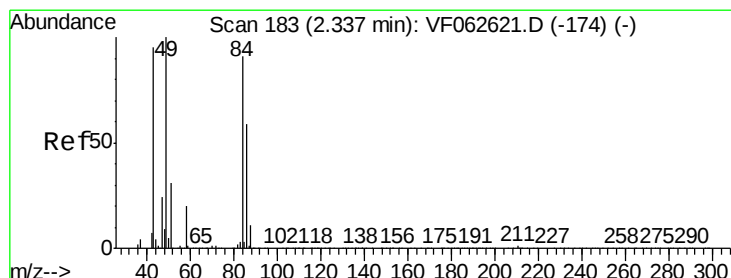
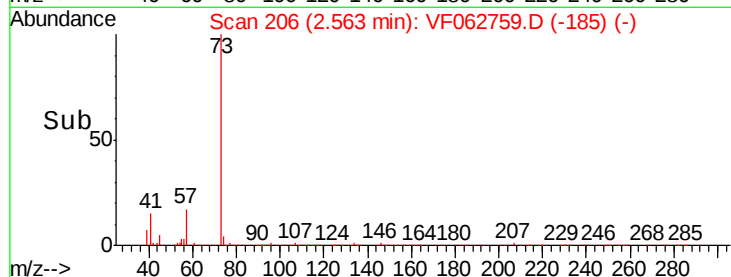
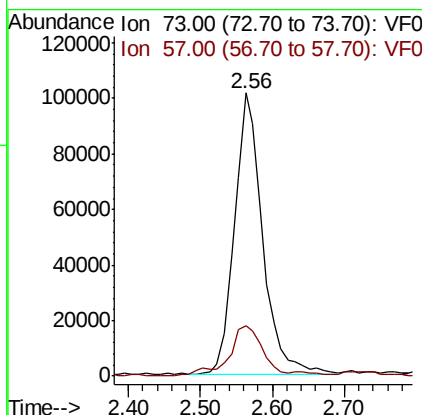
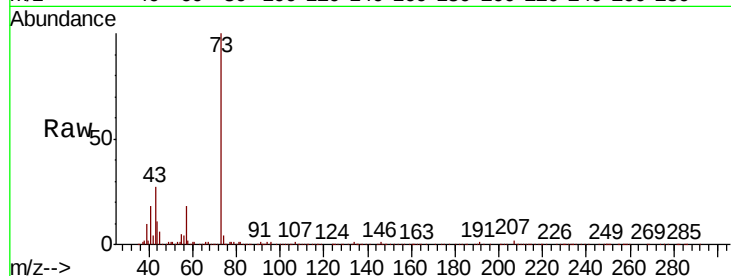


#19

Methyl tert-butyl Ether
 Concen: 21.184 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

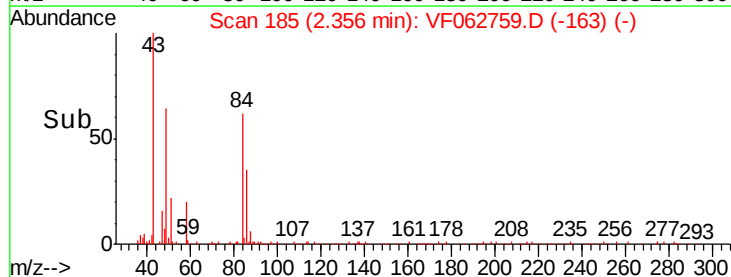
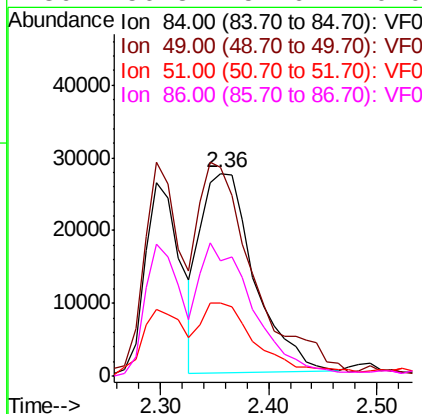
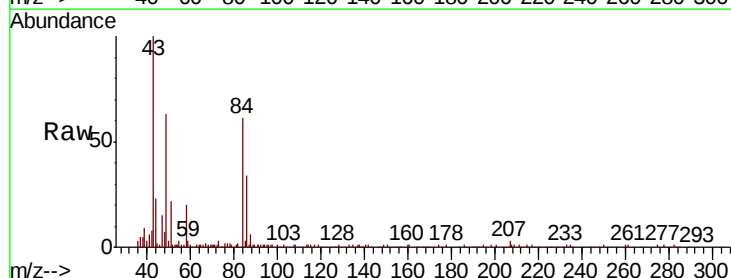
Tot Ion: 73 Resp: 275883
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.2 21.4

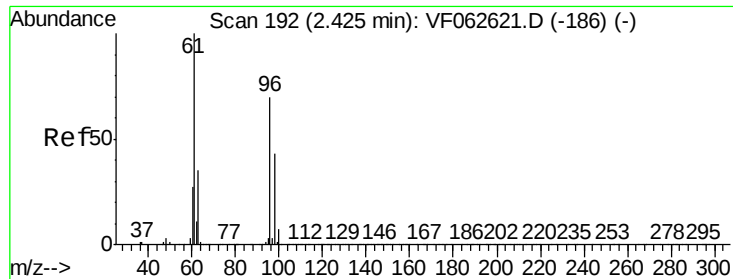


#20

Methylene Chloride
 Concen: 12.730 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion: 84 Resp: 94869
 Ion Ratio Lower Upper
 84 100
 49 103.1 89.8 134.8
 51 36.2 28.4 42.6
 86 56.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.269 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

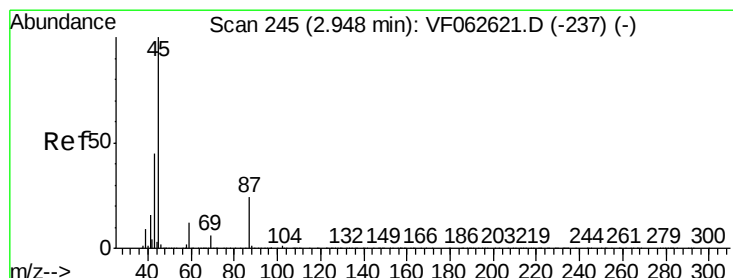
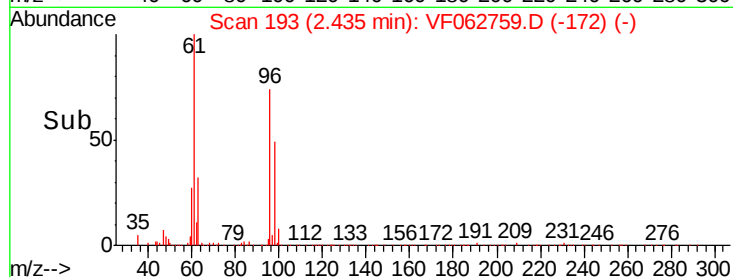
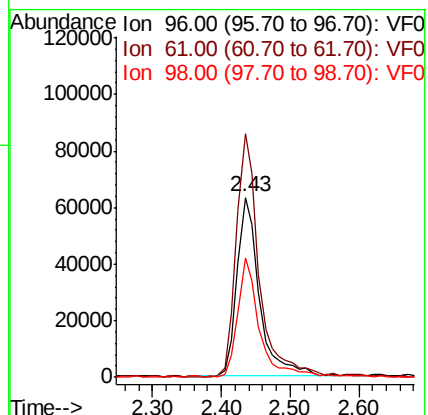
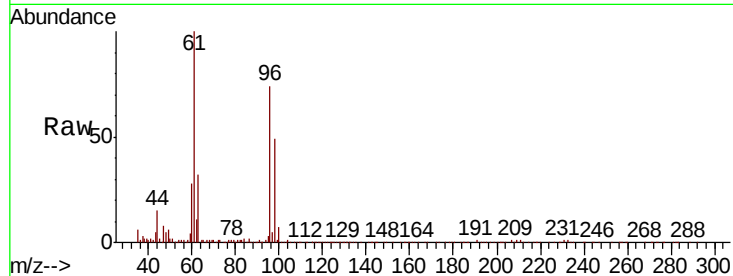
Tot Ion: 96 Resp: 144328

Ion Ratio Lower Upper

96 100

61 135.5 114.6 171.8

98 66.2 49.5 74.3



#22

Diisopropyl ether

Concen: 19.749 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion: 45 Resp: 321162

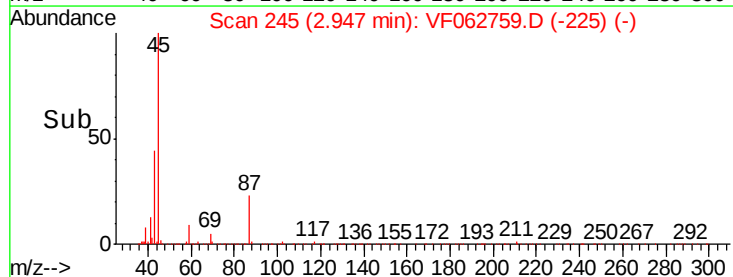
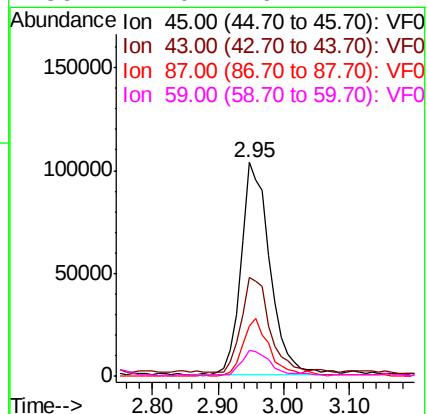
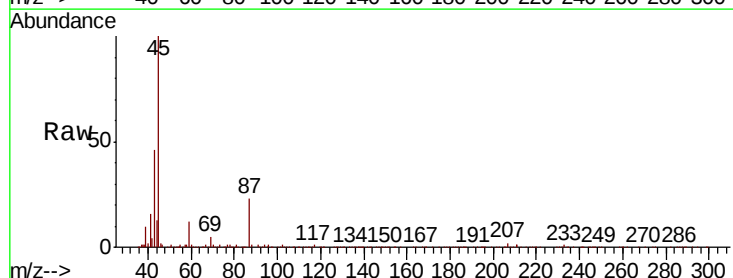
Ion Ratio Lower Upper

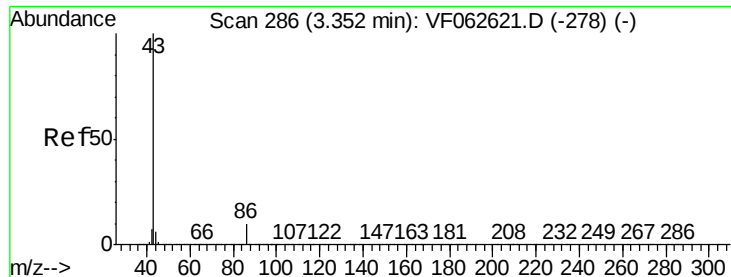
45 100

43 46.4 36.4 54.6

87 23.1 19.3 28.9

59 12.0 9.4 14.2

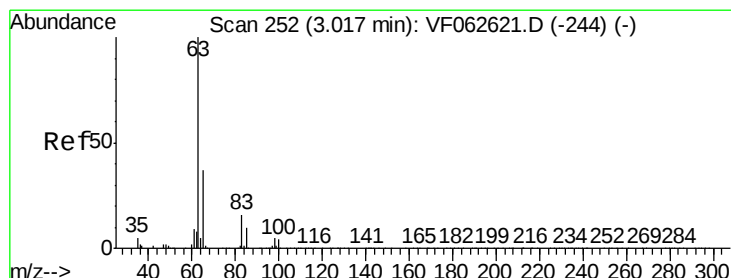
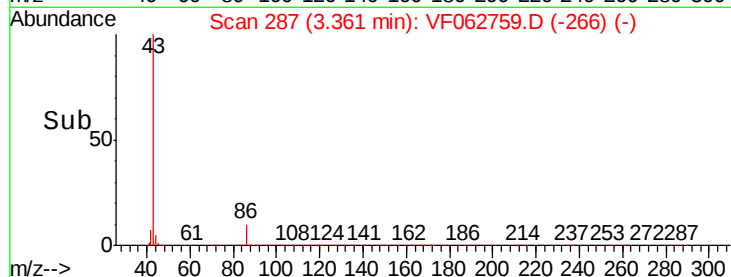
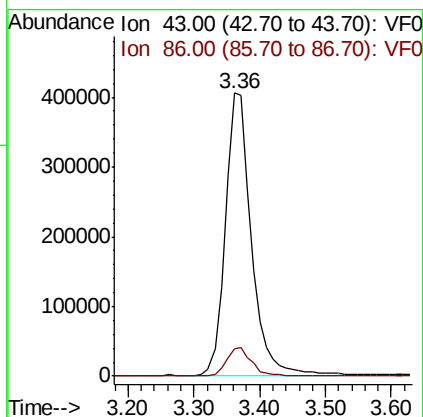
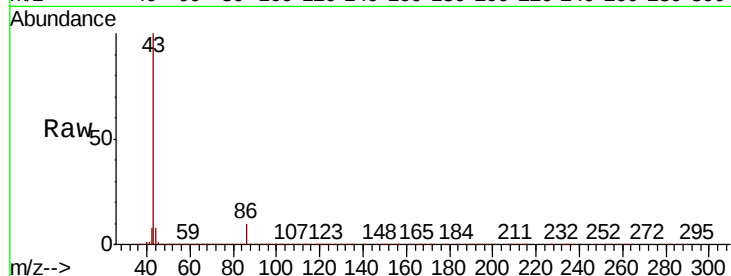




#23
 Vinyl Acetate
 Concen: 102.338 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

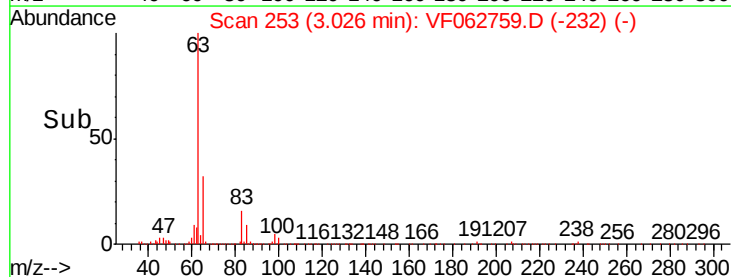
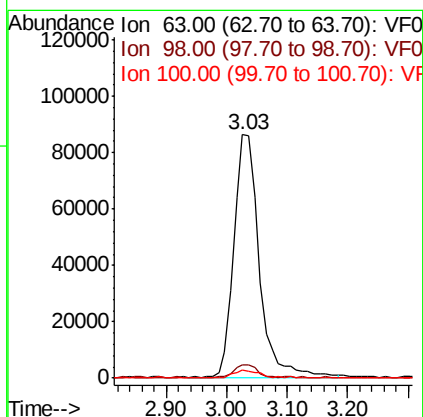
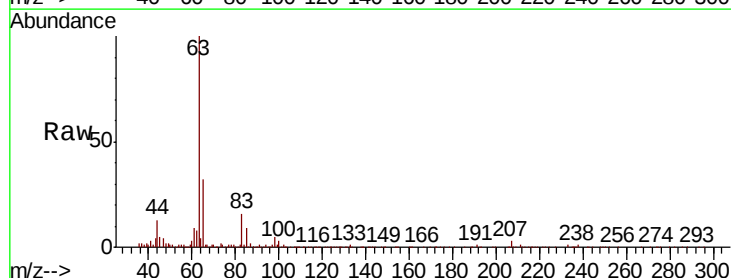
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

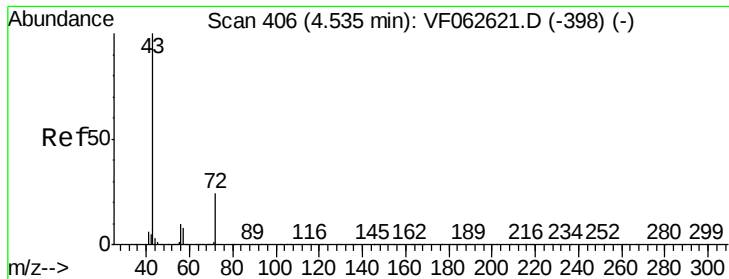
Tot Ion: 43 Resp: 1122634
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 21.141 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion: 63 Resp: 252208
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.3 1.9 5.7





#25

2-Butanone

Concen: 97.929 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

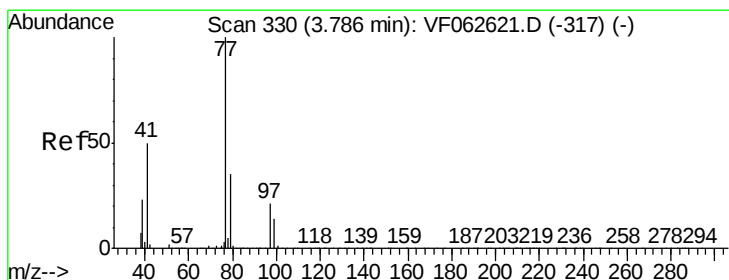
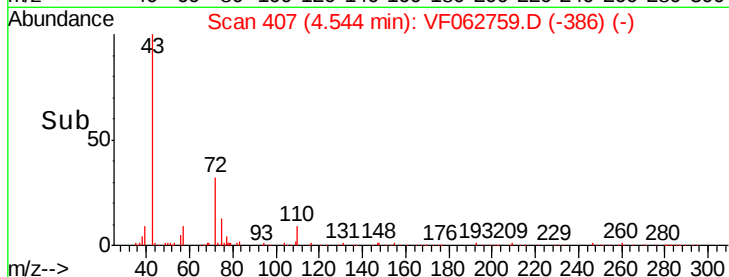
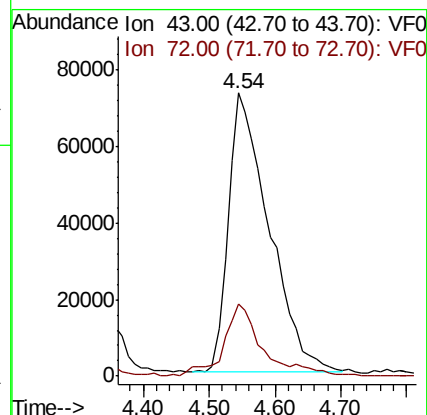
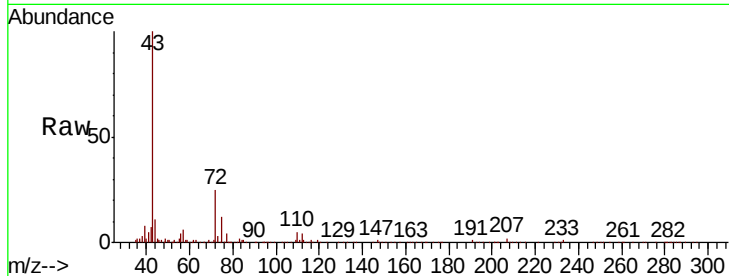
VF0528SBS02

Tot Ion: 43 Resp: 311060

Ion Ratio Lower Upper

43 100

72 25.4 20.1 30.1



#26

2,2-Dichloropropane

Concen: 22.930 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062759.D

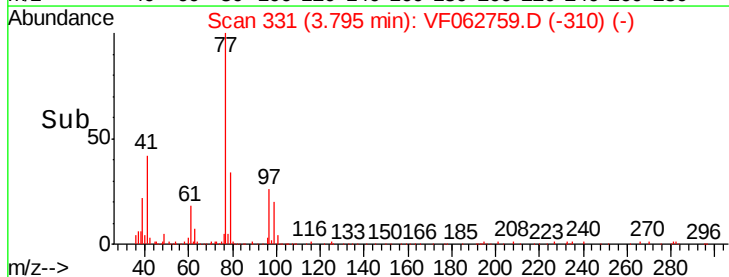
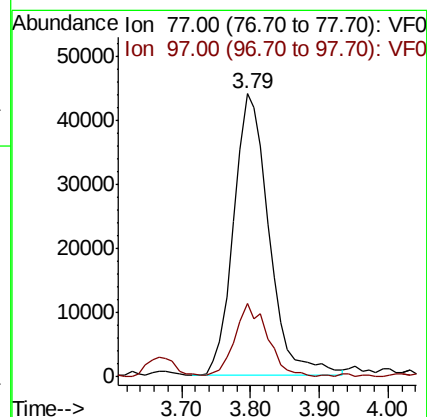
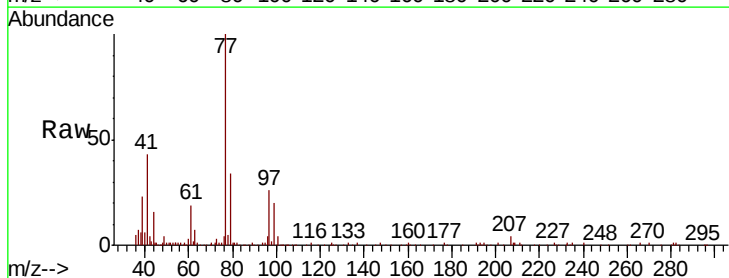
Acq: 28 May 2019 14:28

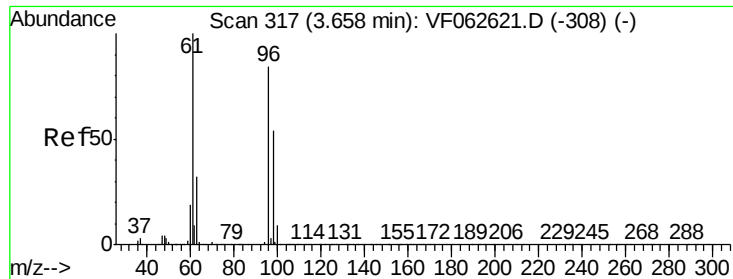
Tgt Ion: 77 Resp: 156514

Ion Ratio Lower Upper

77 100

97 26.0 14.1 42.4



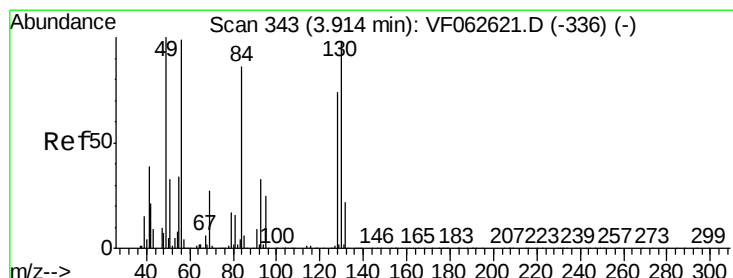
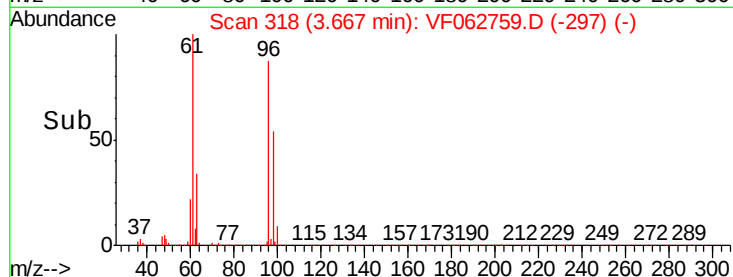
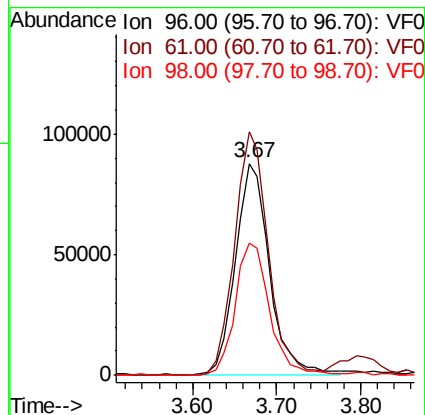
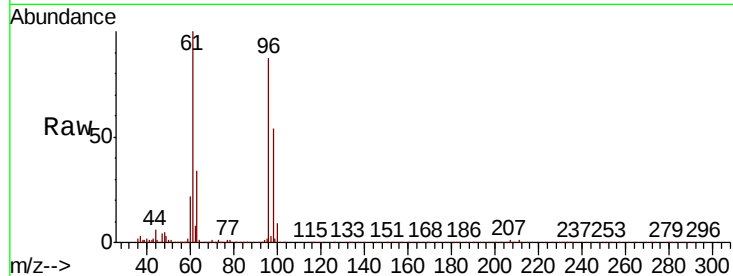


#27

cis-1,2-Dichloroethene
 Concen: 21.353 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

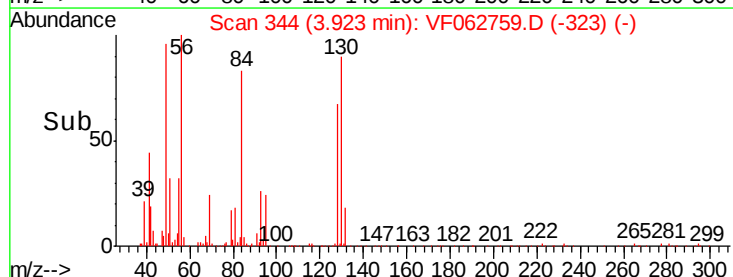
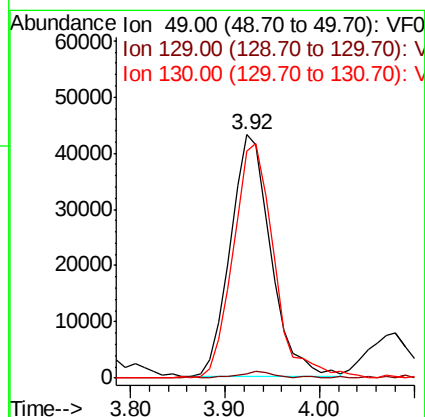
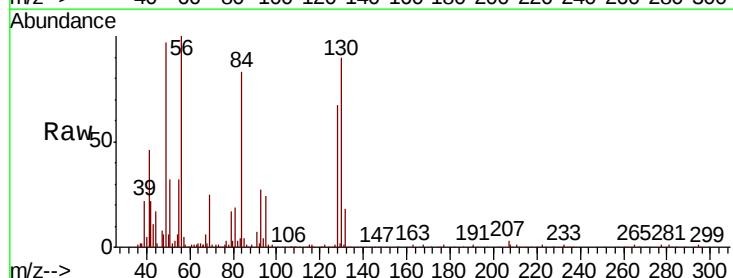
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.9	0.0	237.4
98	62.5	0.0	129.0

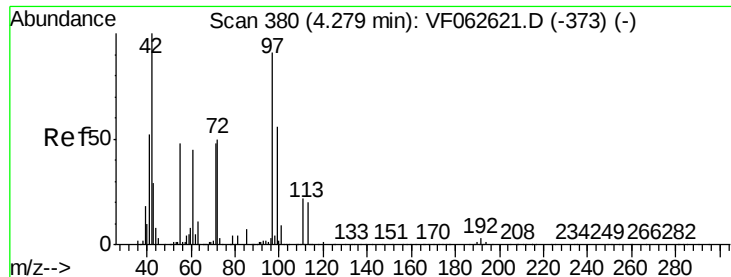


#28

Bromochloromethane
 Concen: 18.976 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	93.3	77.8	116.8

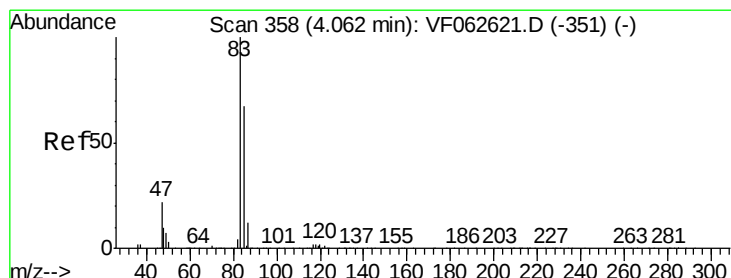
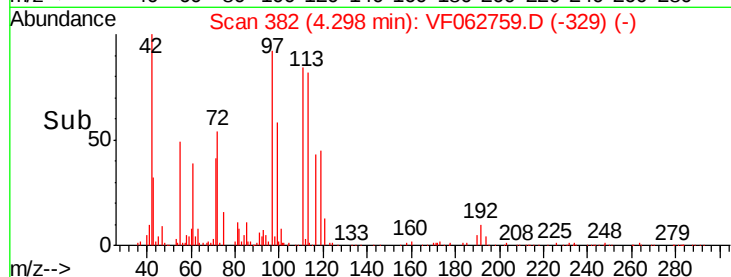
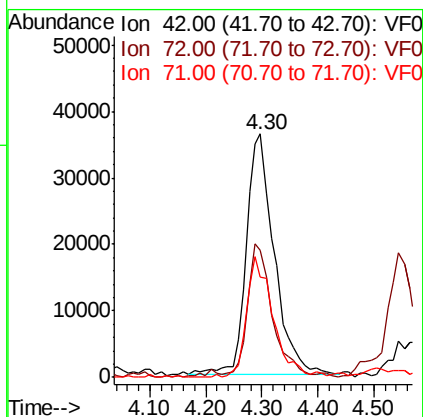
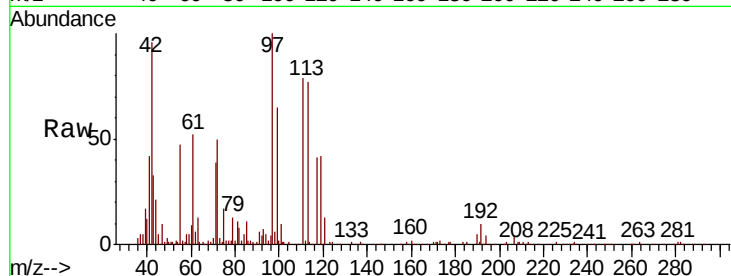




#29
Tetrahydrofuran
Concen: 96.621 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

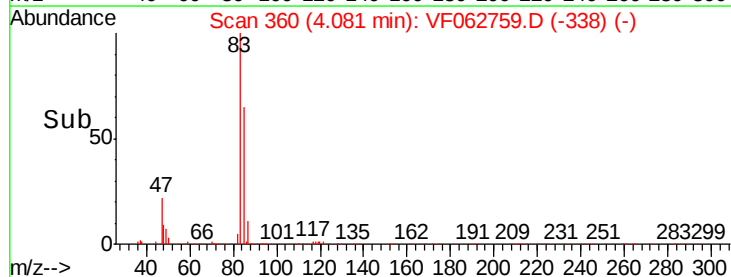
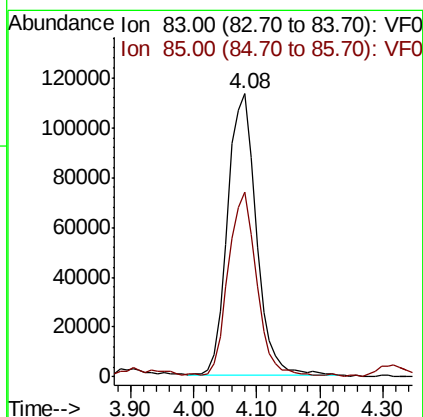
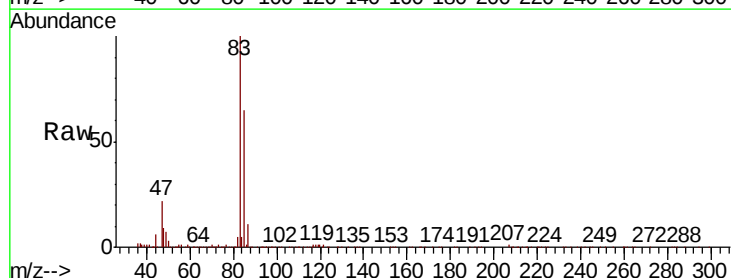
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

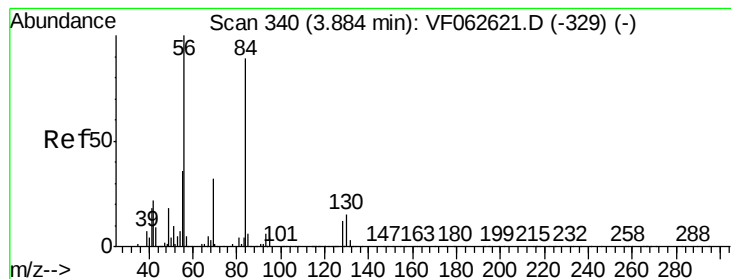
Tot Ion: 42 Resp: 124194
Ion Ratio Lower Upper
42 100
72 49.9 38.2 57.2
71 47.2 35.8 53.6



#30
Chloroform
Concen: 21.414 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 83 Resp: 354683
Ion Ratio Lower Upper
83 100
85 65.3 53.6 80.4





#31

Cyclohexane

Concen: 20.893 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

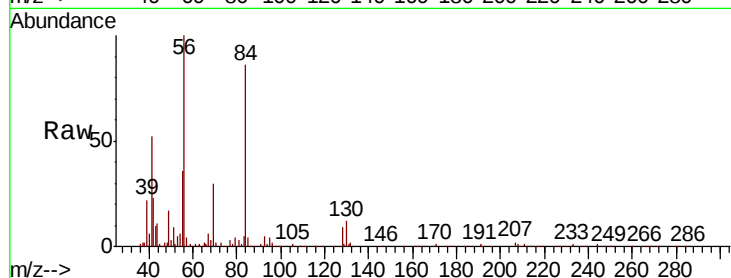
Tot Ion: 56 Resp: 334663

Ion Ratio Lower Upper

56 100

69 29.8 25.3 37.9

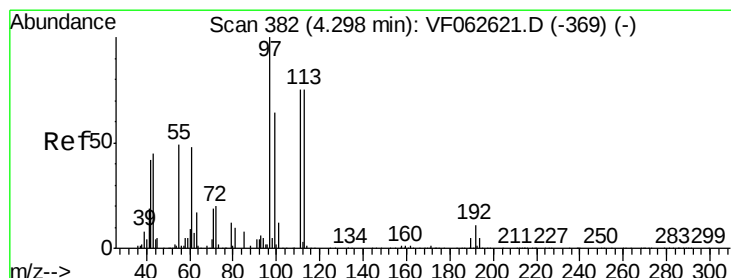
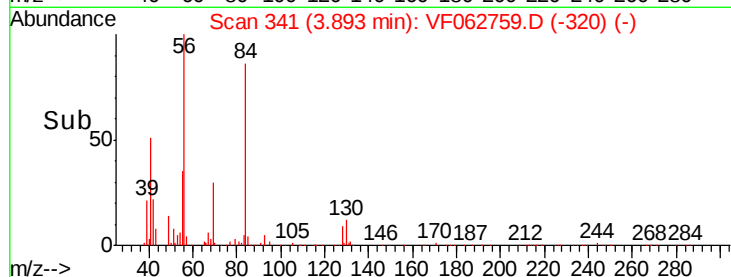
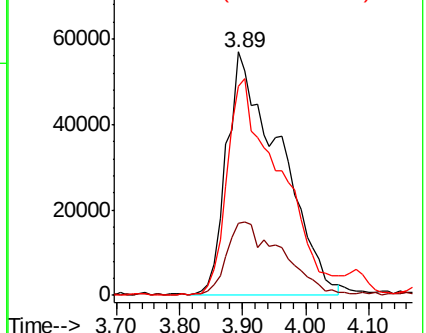
84 85.8 71.0 106.4



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: 20.919 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

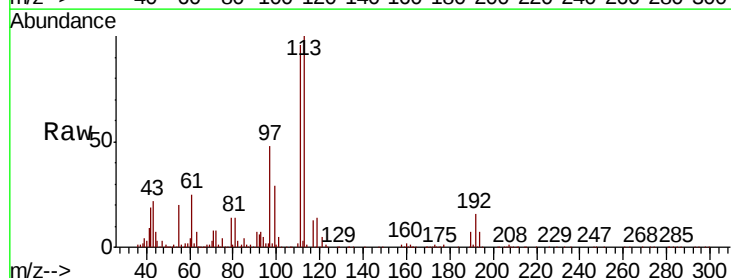
Tgt Ion: 97 Resp: 230114

Ion Ratio Lower Upper

97 100

99 61.1 51.3 76.9

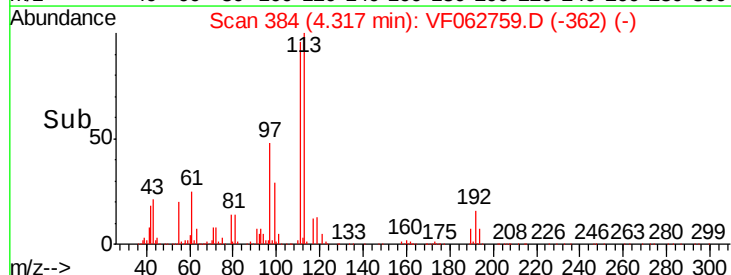
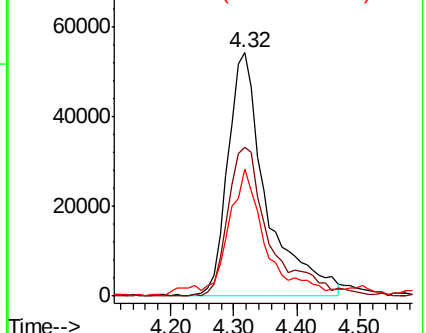
61 52.1 38.2 57.2

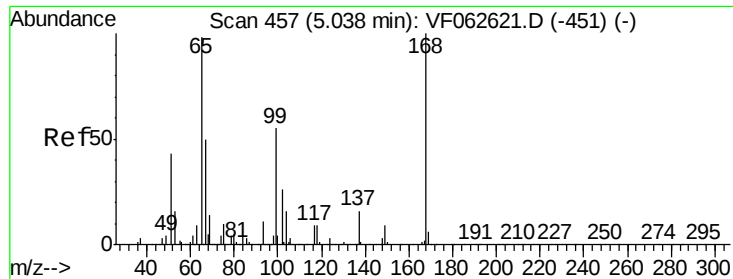


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 42.257 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

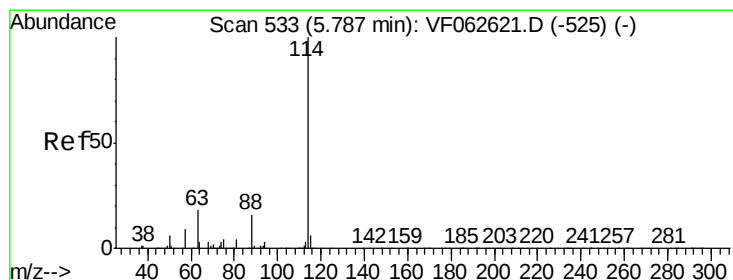
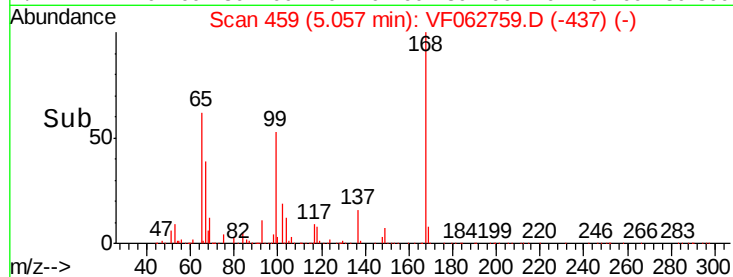
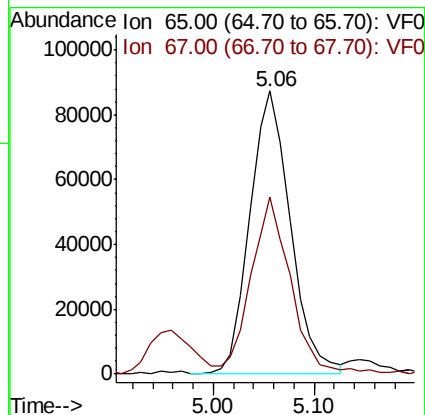
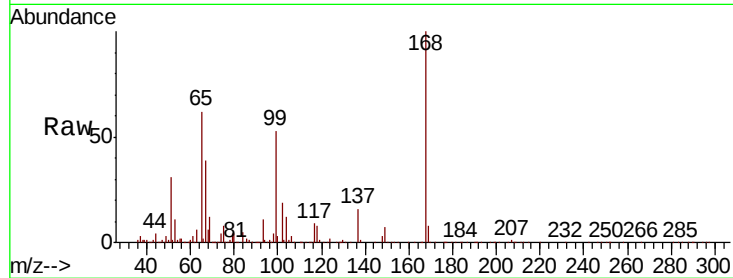
VF0528SBS02

Tot Ion: 65 Resp: 242160

Ion Ratio Lower Upper

65 100

67 62.7 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

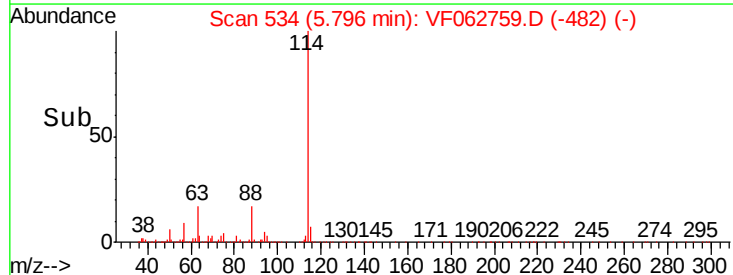
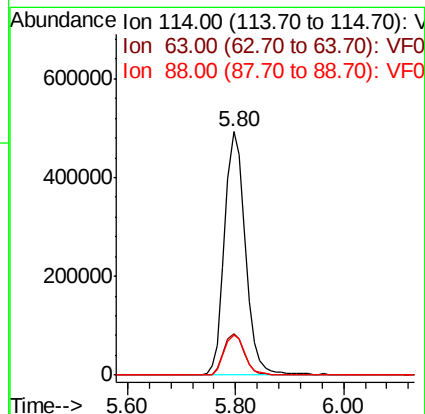
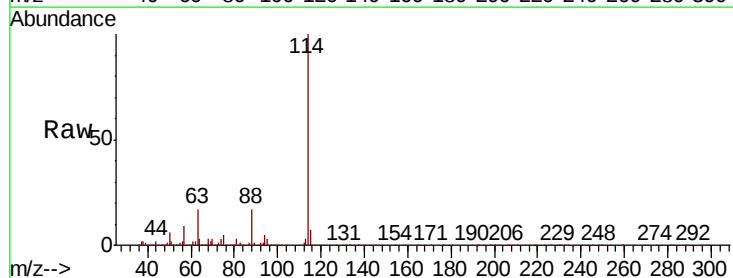
Tgt Ion: 114 Resp: 1325035

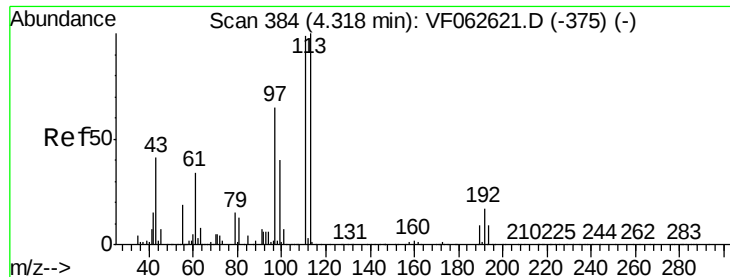
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 16.7 0.0 32.4

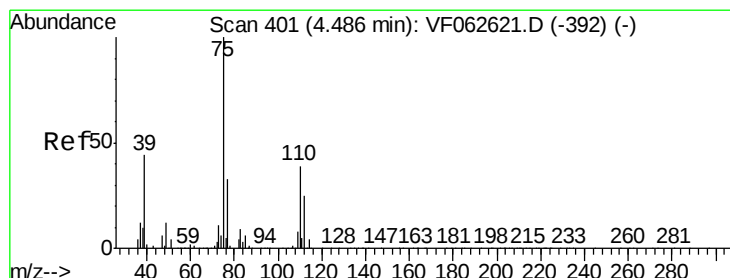
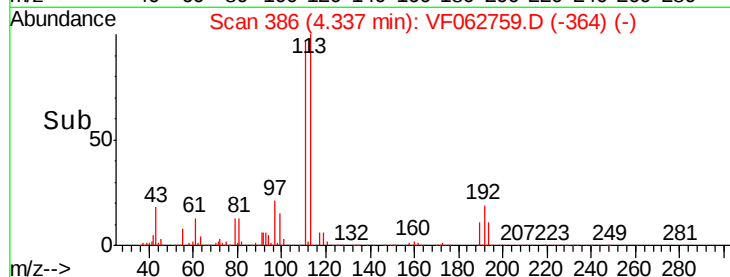
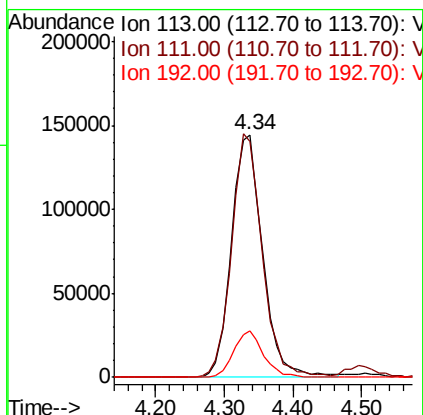
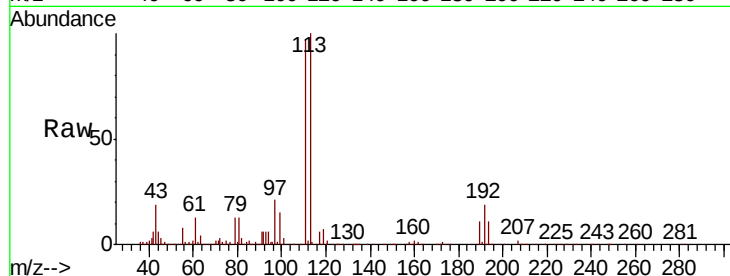




#35
 Dibromofluoromethane
 Concen: 44.797 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

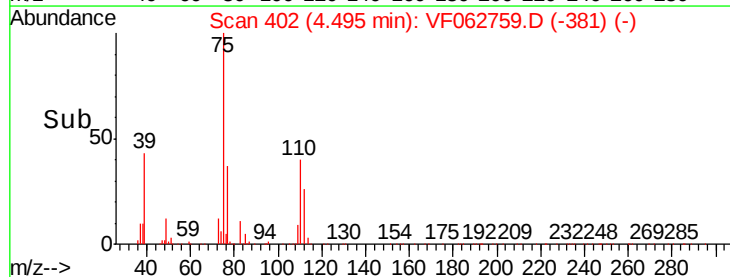
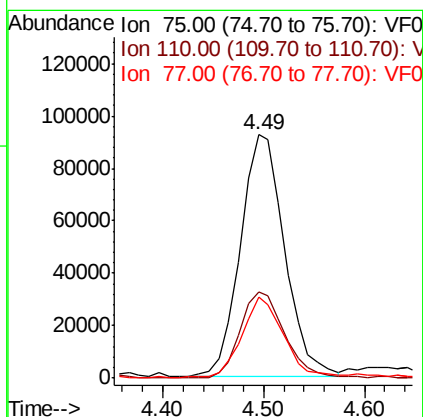
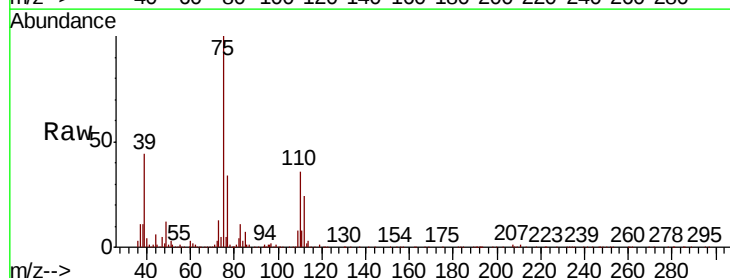
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.5	79.4	119.2
192	19.1	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 20.598 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	19.7	59.1
77	33.5	26.3	39.5

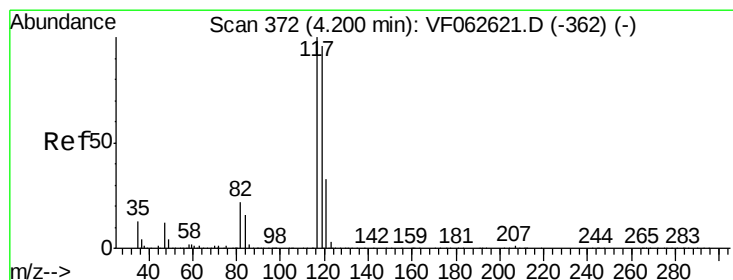
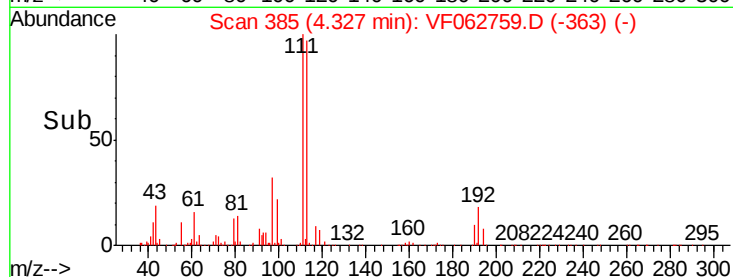
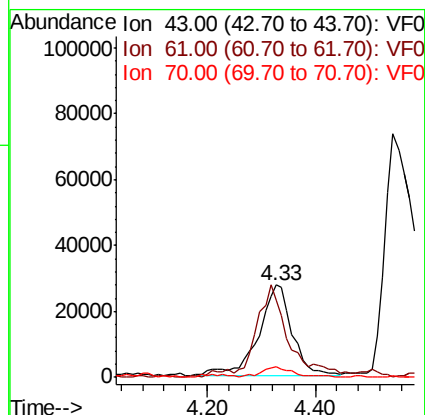
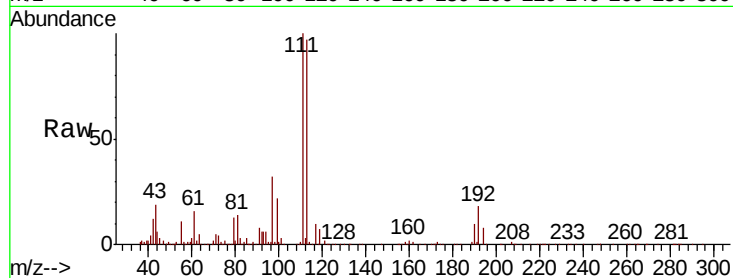




#37
Ethyl Acetate
Concen: 21.275 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

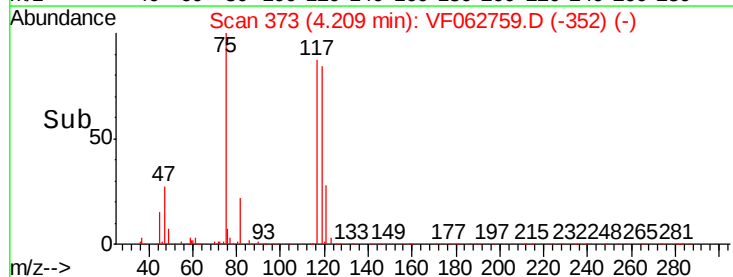
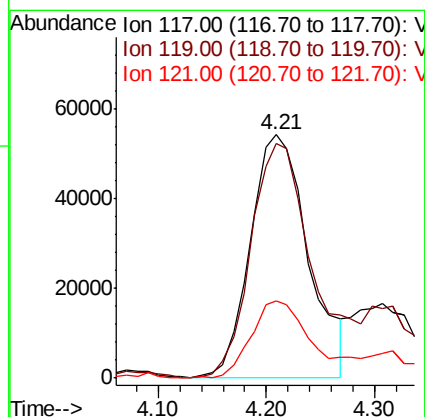
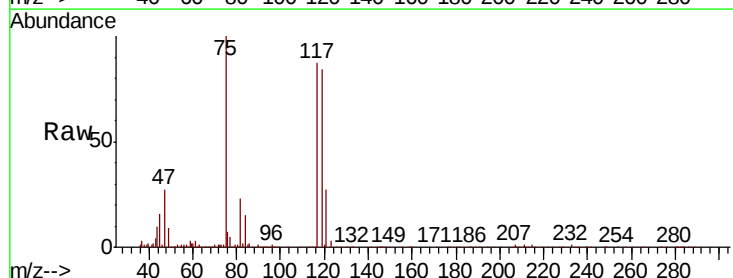
Instrument :
MSVOA_F
ClientSampleID :
VF0528SBS02

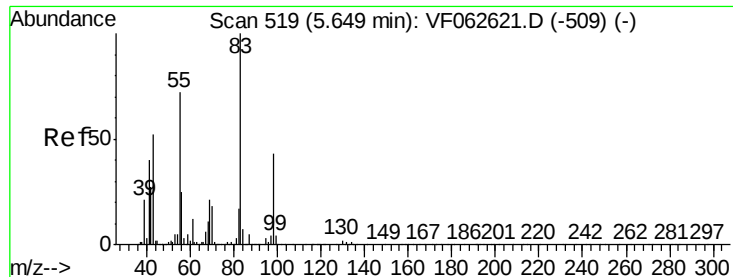
Tot Ion: 43 Resp: 117940
Ion Ratio Lower Upper
43 100
61 83.9 76.9 115.3
70 11.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.813 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 117 Resp: 202321
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
121 31.6 26.6 40.0

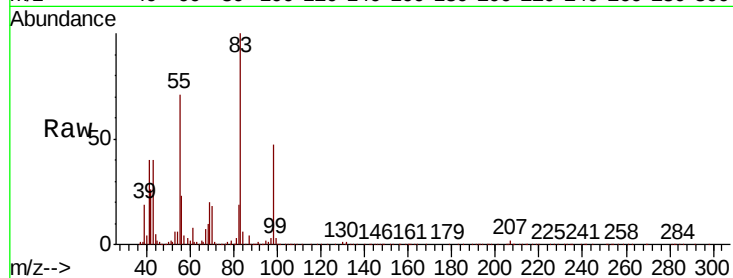




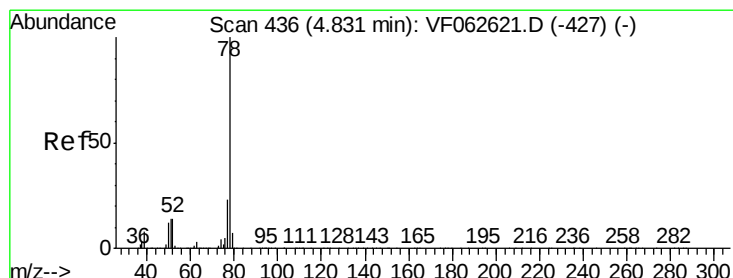
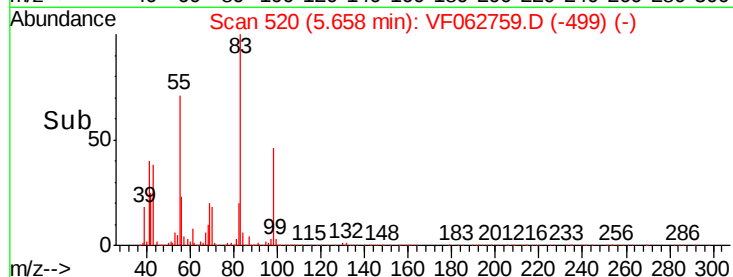
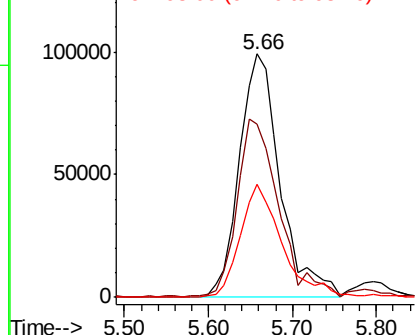
#39
Methvlcvclohexane
Concen: 20.585 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion: 83 Resp: 336294
Ion Ratio Lower Upper
83 100
55 71.1 57.9 86.9
98 46.7 34.6 52.0

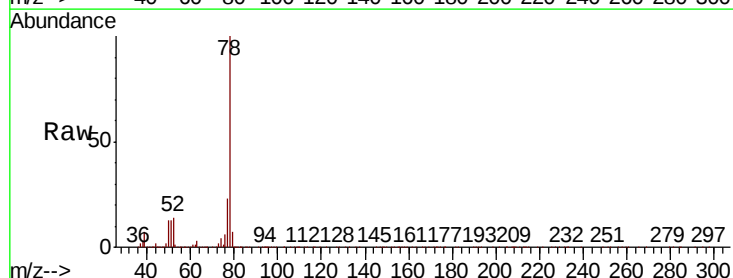


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

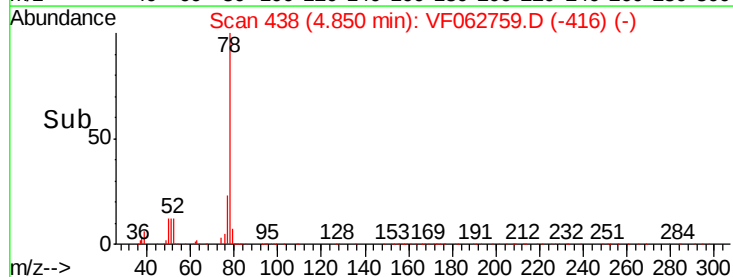
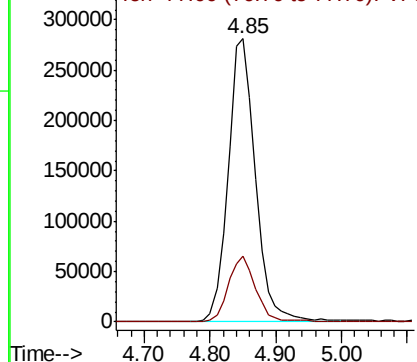


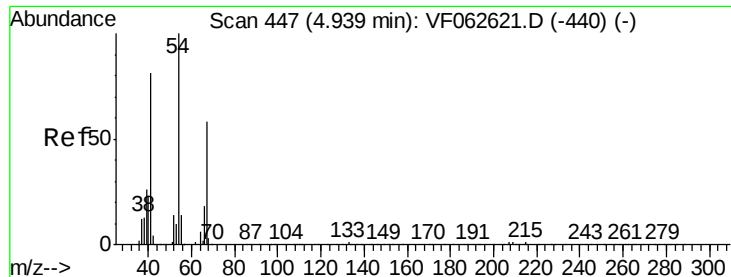
#40
Benzene
Concen: 22.012 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 78 Resp: 814200
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.017 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 41 Resp: 58177

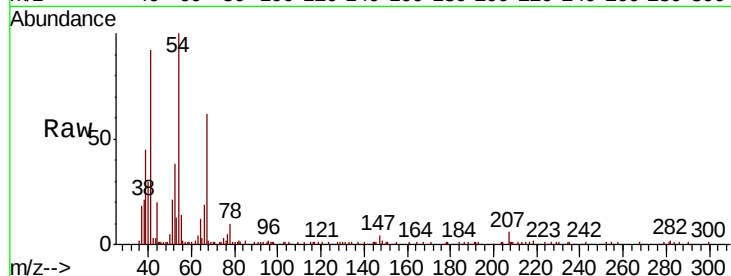
Ion Ratio Lower Upper

41 100

39 49.2 42.2 63.2

67 68.0 56.4 84.6

52 41.5 38.8 58.2

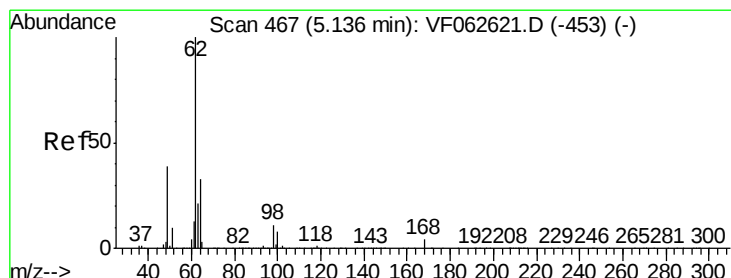
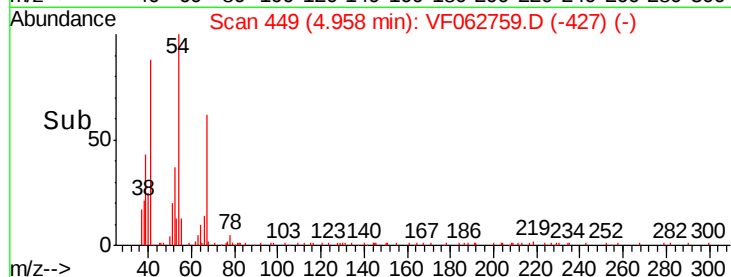
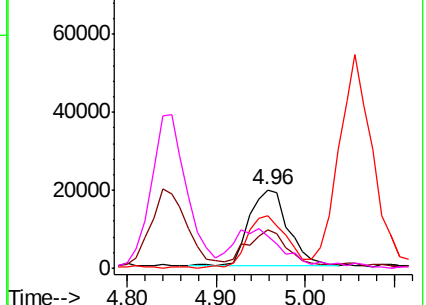


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.972 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.02 min

Lab File: VF062759.D

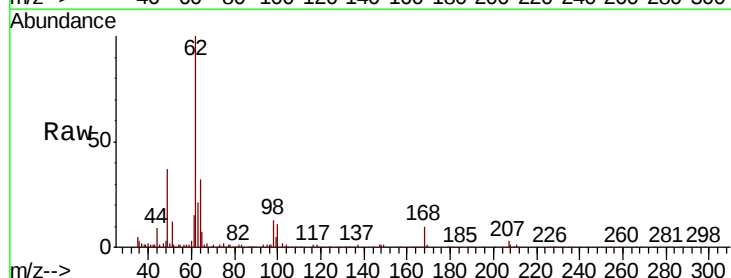
Acq: 28 May 2019 14:28

Tgt Ion: 62 Resp: 154695

Ion Ratio Lower Upper

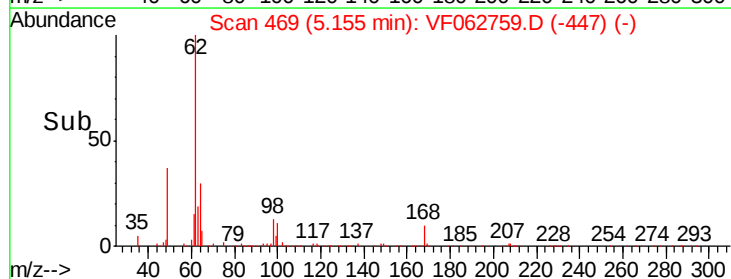
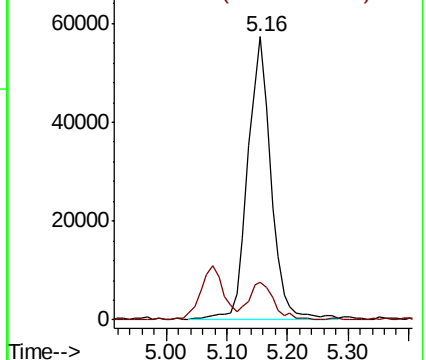
62 100

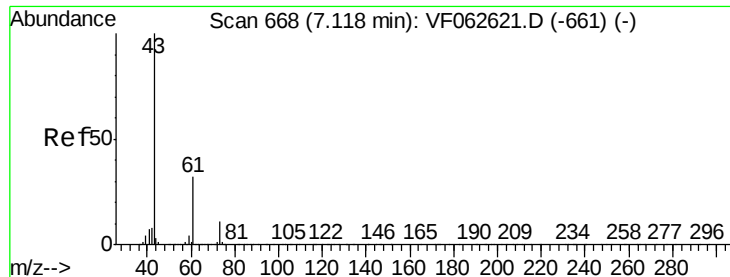
98 13.1 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



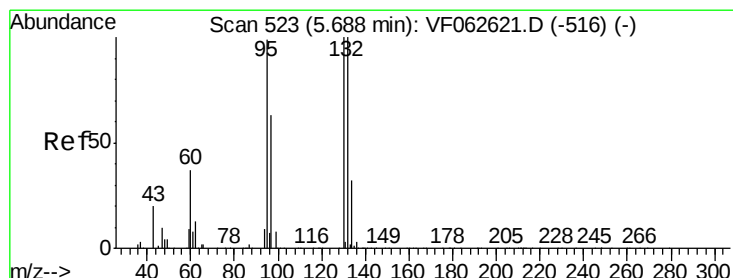
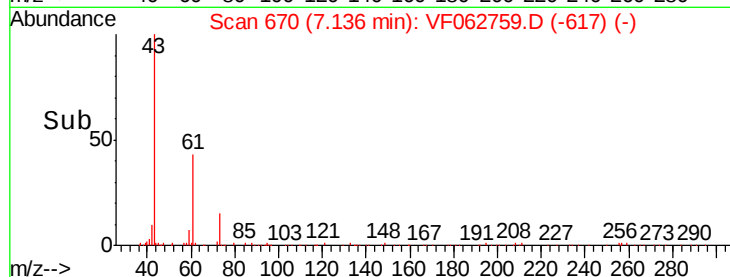
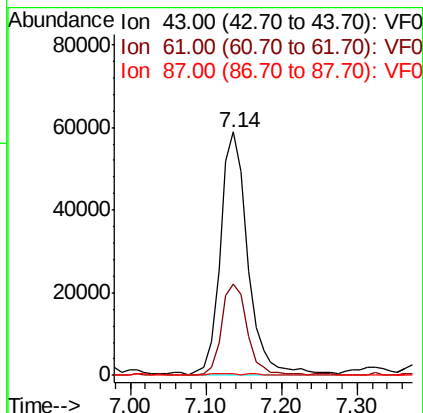
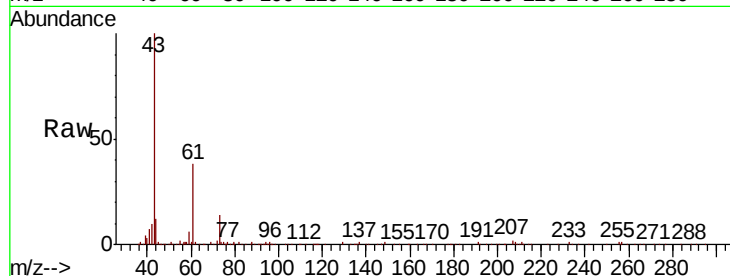


#43

Isopropyl Acetate
 Concen: 20.840 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

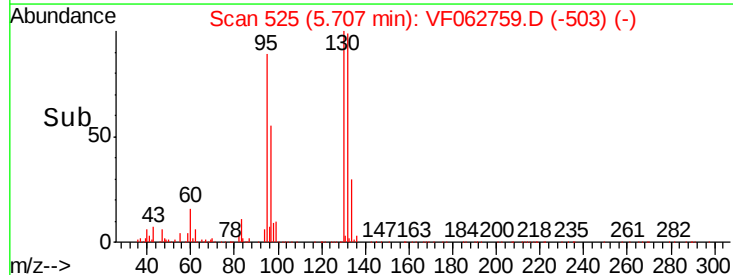
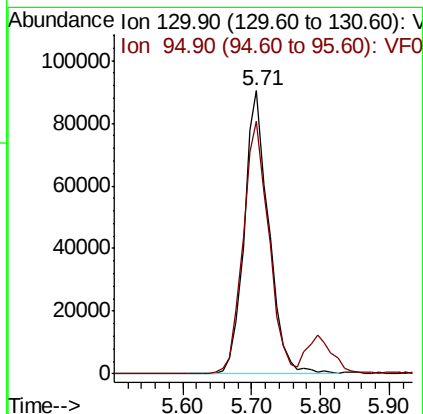
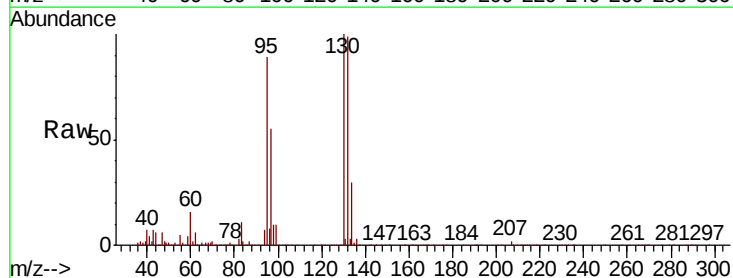
Tot Ion: 43 Resp: 149676
 Ion Ratio Lower Upper
 43 100
 61 37.6 25.8 38.8
 87 0.4 0.4 0.6

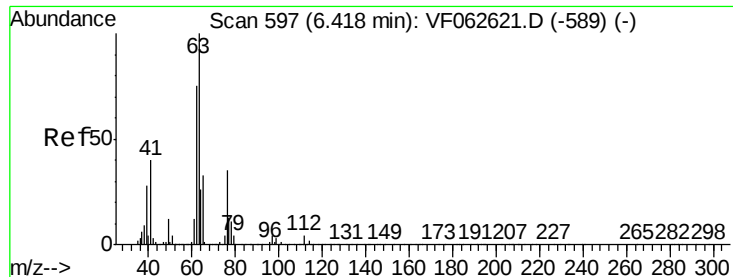


#44

Trichloroethene
 Concen: 21.387 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion: 130 Resp: 222337
 Ion Ratio Lower Upper
 130 100
 95 89.2 0.0 199.4





#45

1,2-Dichloropropane

Concen: 21.775 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

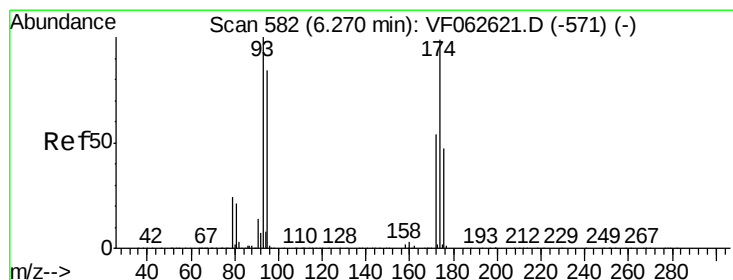
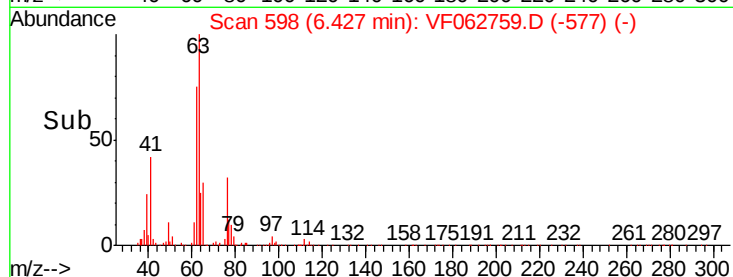
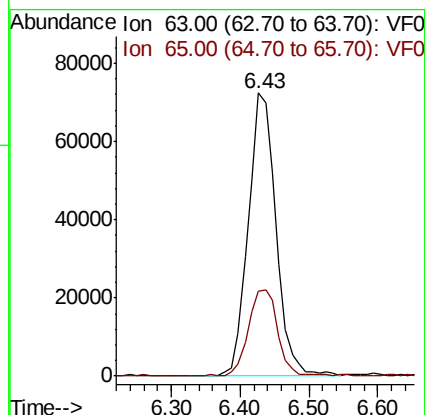
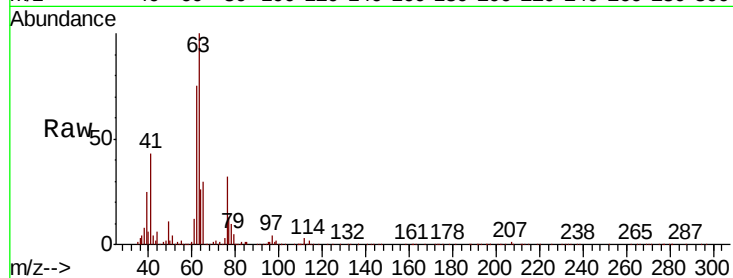
VF0528SBS02

Tot Ion: 63 Resp: 203317

Ion Ratio Lower Upper

63 100

65 29.9 26.3 39.5



#46

Dibromomethane

Concen: 21.494 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

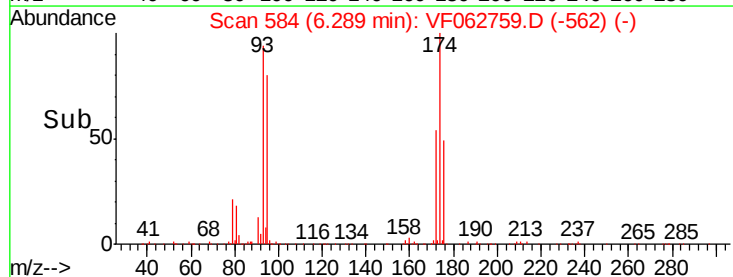
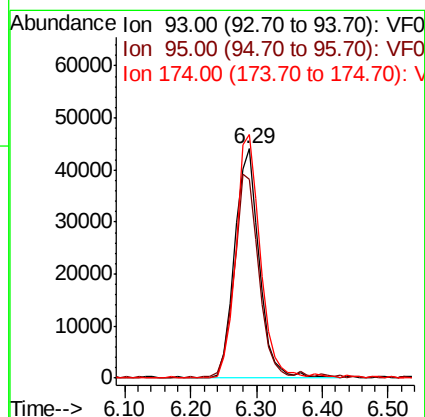
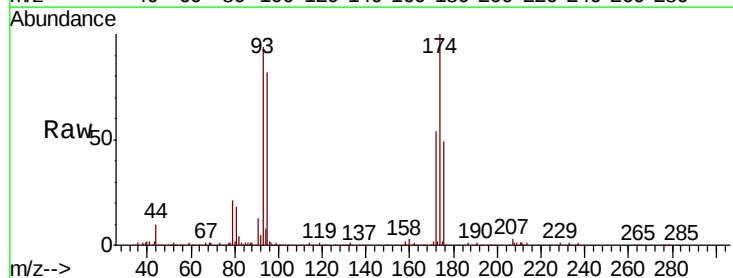
Tgt Ion: 93 Resp: 115987

Ion Ratio Lower Upper

93 100

95 88.5 67.4 101.2

174 107.9 79.4 119.2





#47

Bromodichloromethane

Concen: 21.759 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

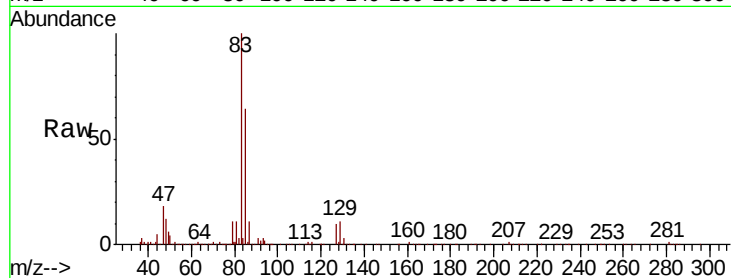
Tot Ion: 83 Resp: 243755

Ion Ratio Lower Upper

83 100

85 64.4 52.0 78.0

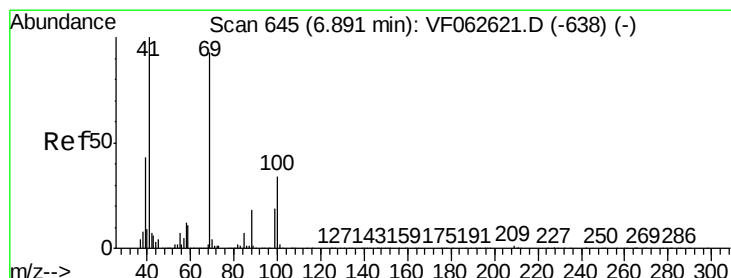
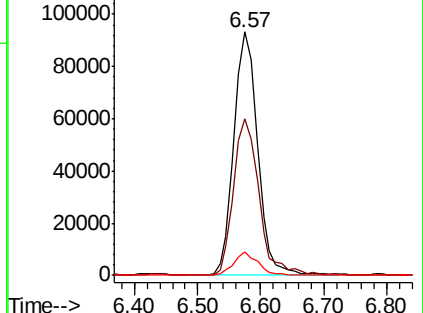
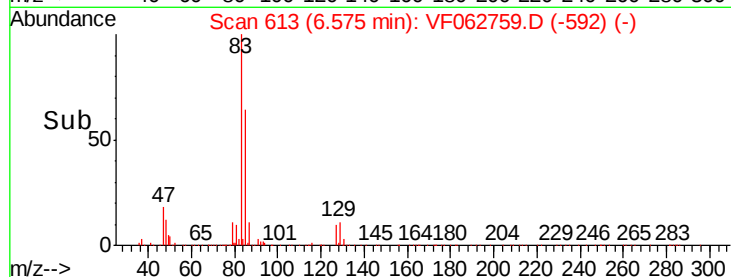
127 9.6 7.7 11.5



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: 19.726 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

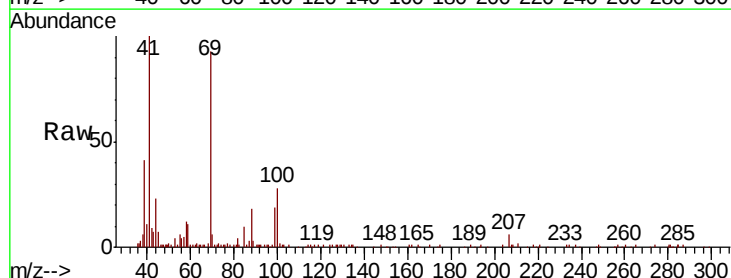
Tgt Ion: 41 Resp: 74049

Ion Ratio Lower Upper

41 100

69 92.8 74.2 111.2

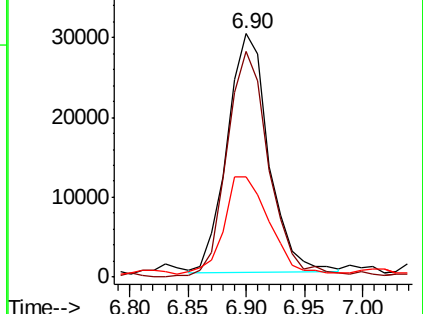
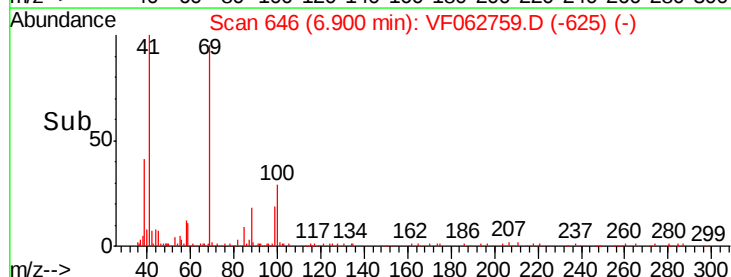
39 41.3 34.2 51.4

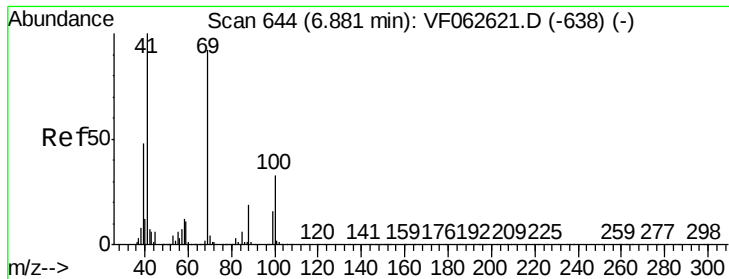


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

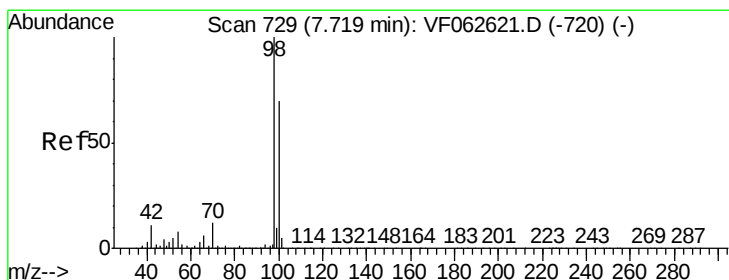
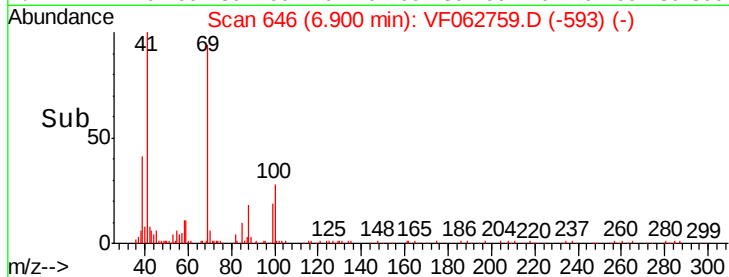
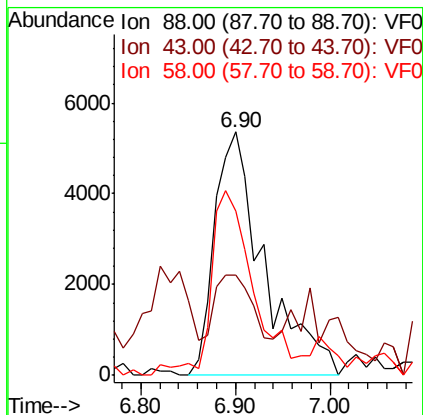
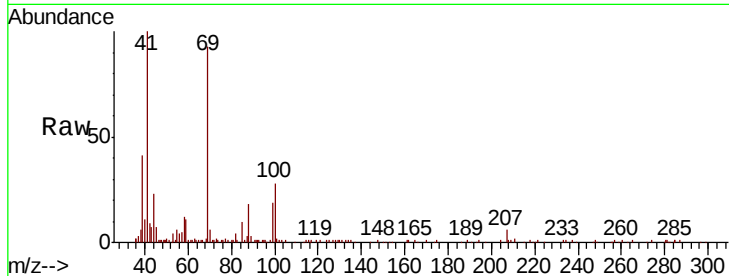




#49
1,4-Dioxane
Concen: 404.322 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

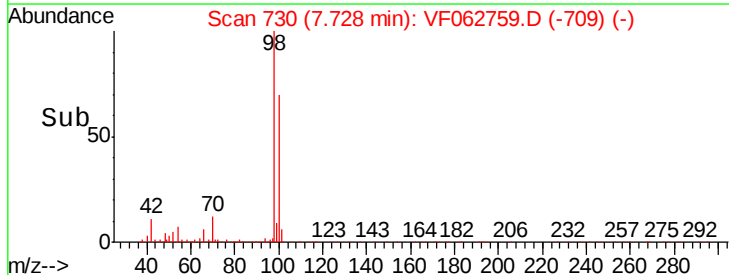
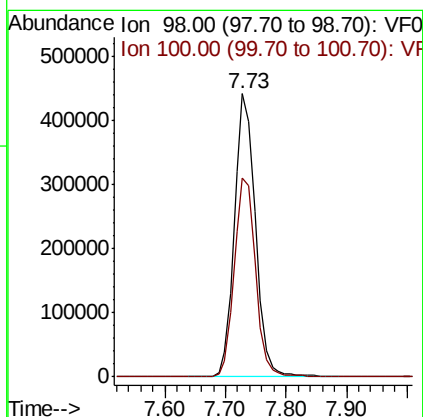
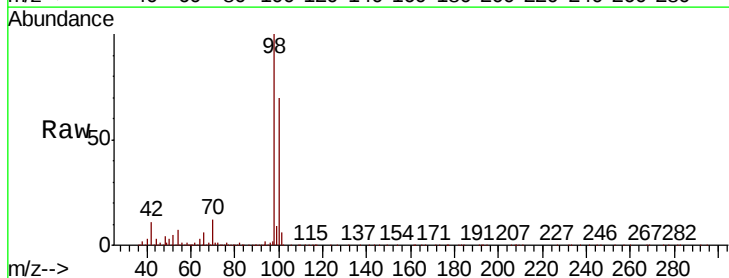
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

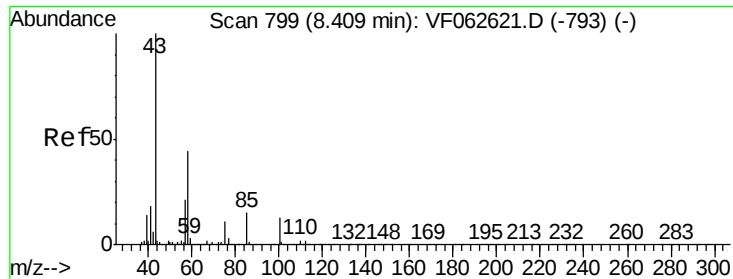
Tot Ion: 88 Resp: 19440
Ion Ratio Lower Upper
88 100
43 41.2 30.0 45.0
58 67.5 51.1 76.7



#50
Toluene-d8
Concen: 44.098 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 98 Resp: 1067556
Ion Ratio Lower Upper
98 100
100 70.3 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 106.772 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

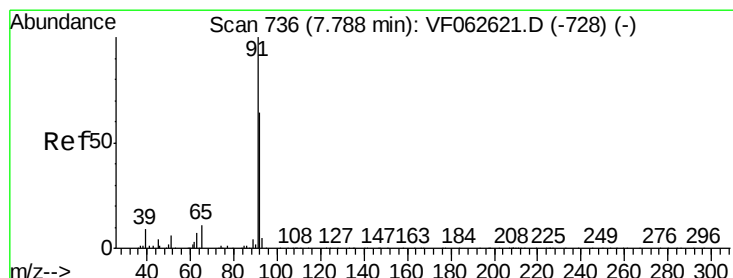
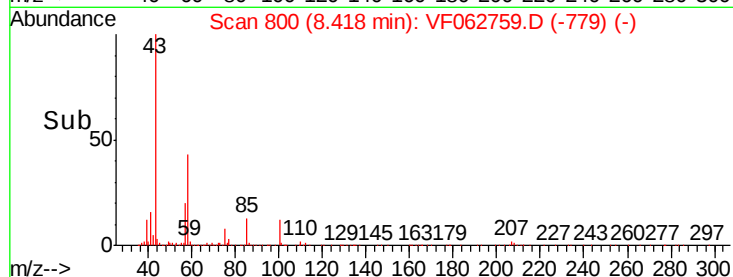
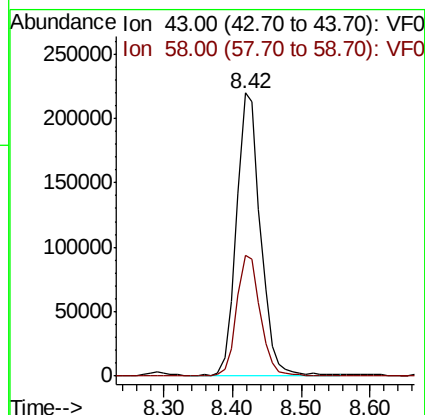
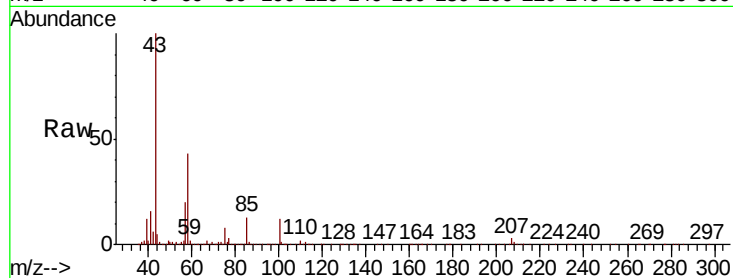
VF0528SBS02

Tot Ion: 43 Resp: 524170

Ion Ratio Lower Upper

43 100

58 42.5 34.9 52.3



#52

Toluene

Concen: 22.073 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062759.D

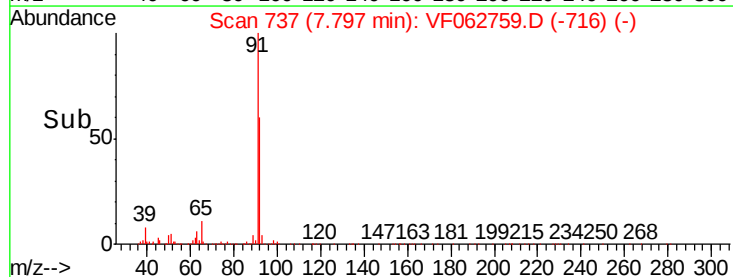
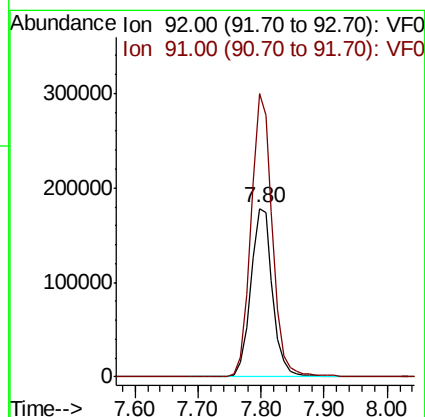
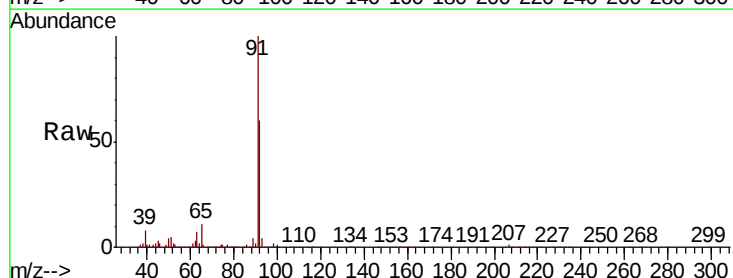
Acq: 28 May 2019 14:28

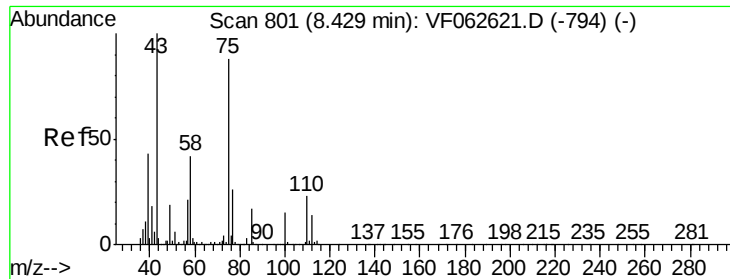
Tgt Ion: 92 Resp: 428195

Ion Ratio Lower Upper

92 100

91 167.8 125.4 188.0

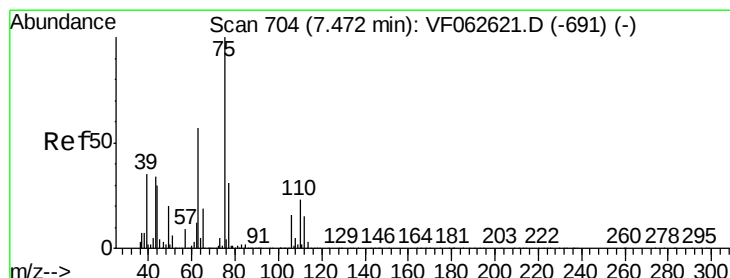
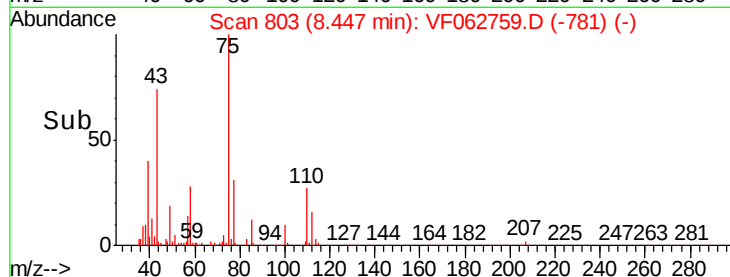
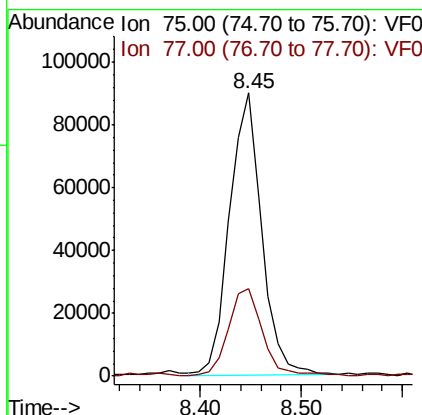
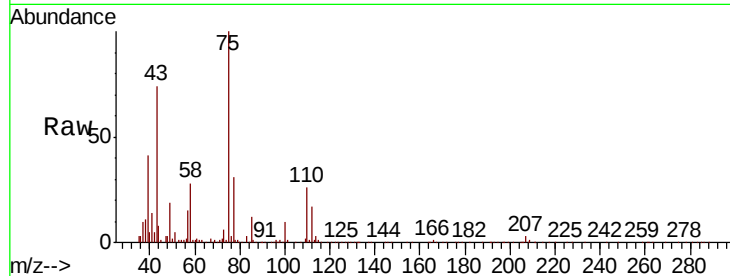




#53
t-1,3-Dichloropropene
Concen: 21.796 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

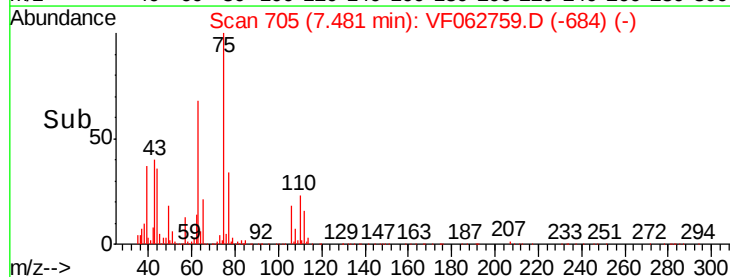
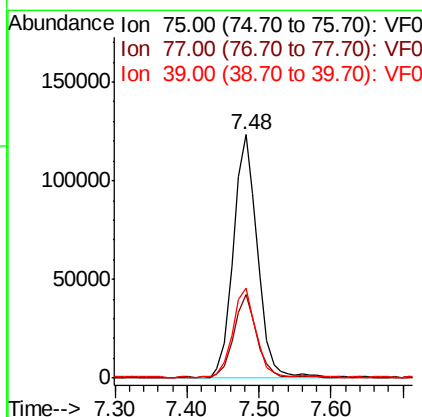
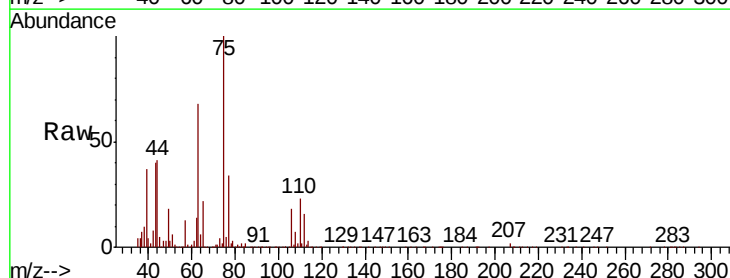
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

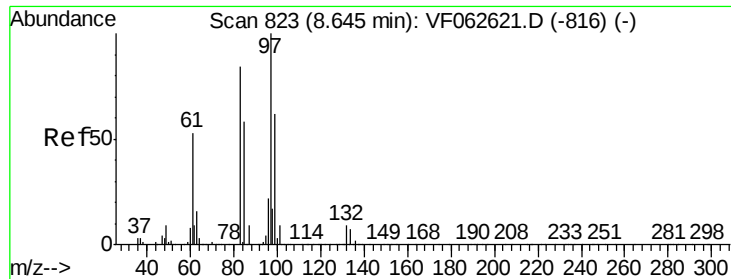
Tot Ion: 75 Resp: 199761
Ion Ratio Lower Upper
75 100
77 30.8 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 22.440 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 75 Resp: 287893
Ion Ratio Lower Upper
75 100
77 34.2 25.3 37.9
39 36.8 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 21.734 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 97 Resp: 124835

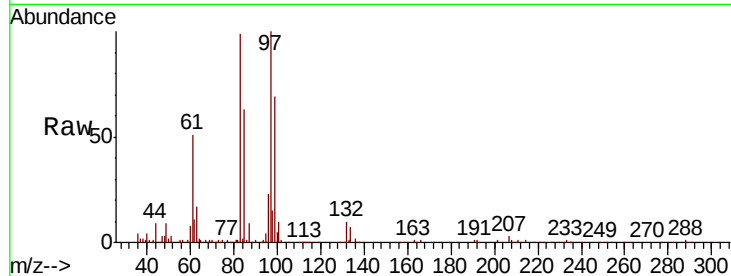
Ion Ratio Lower Upper

97 100

83 99.4 67.3 100.9

85 62.7 46.6 69.8

99 68.6 49.7 74.5

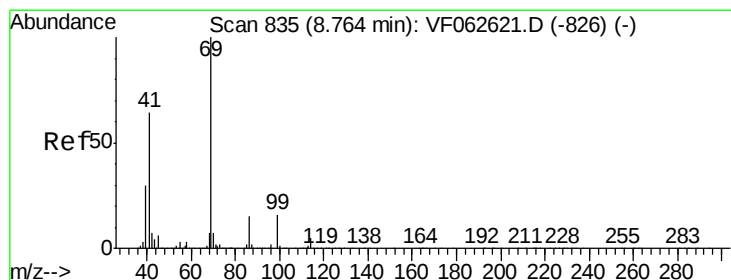
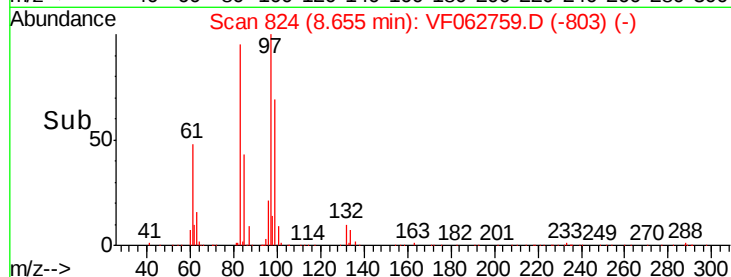
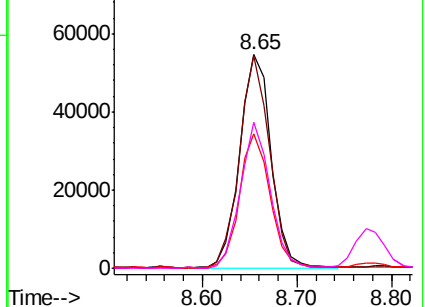


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.062 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

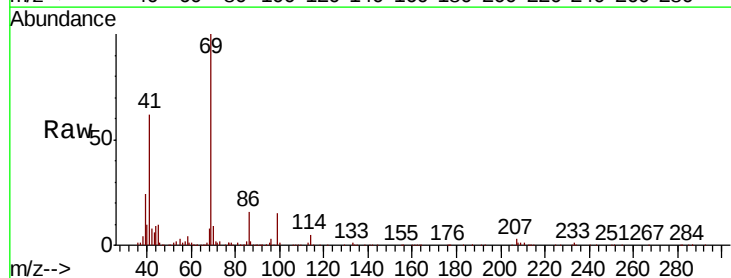
Tgt Ion: 69 Resp: 144123

Ion Ratio Lower Upper

69 100

41 62.3 51.4 77.2

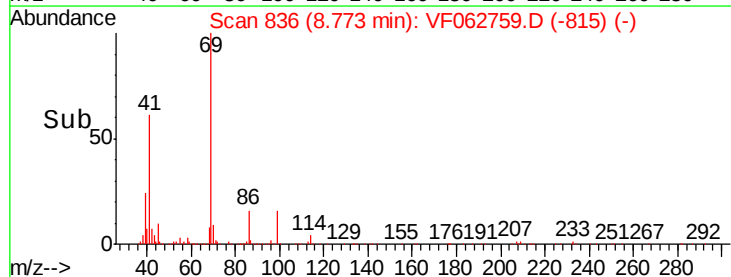
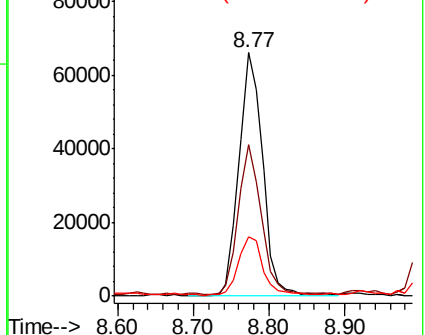
39 24.4 23.6 35.4

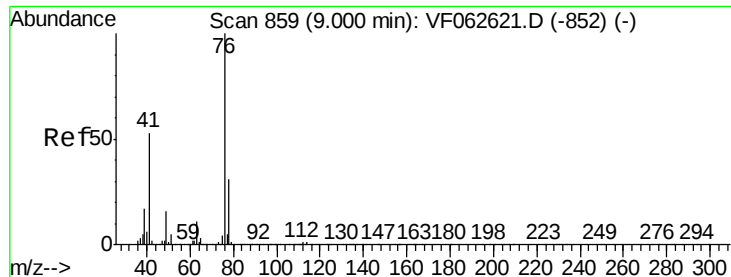


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.050 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

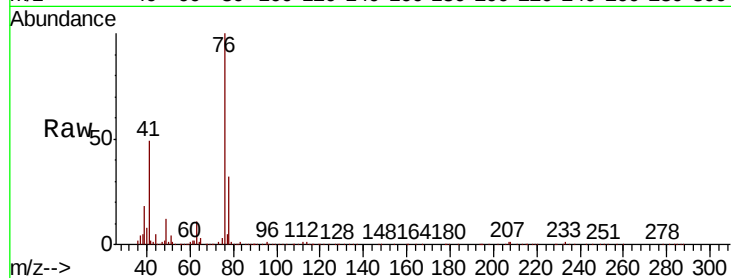
VF0528SBS02

Tot Ion: 76 Resp: 215720

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.02

100000

80000

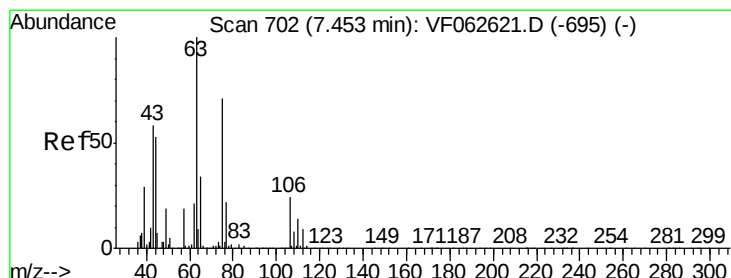
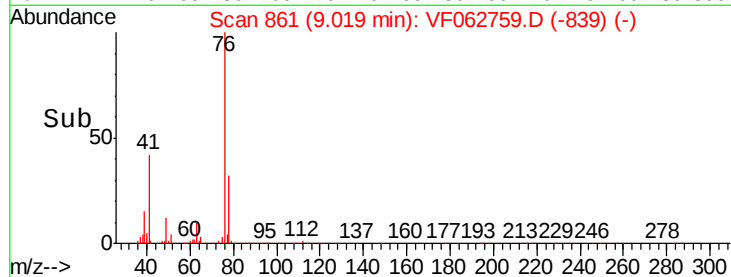
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 113.591 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062759.D

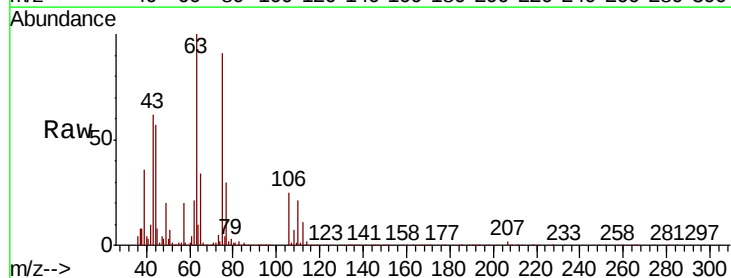
Acq: 28 May 2019 14:28

Tgt Ion: 63 Resp: 253008

Ion Ratio Lower Upper

63 100

106 24.8 19.1 28.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.47

120000

100000

80000

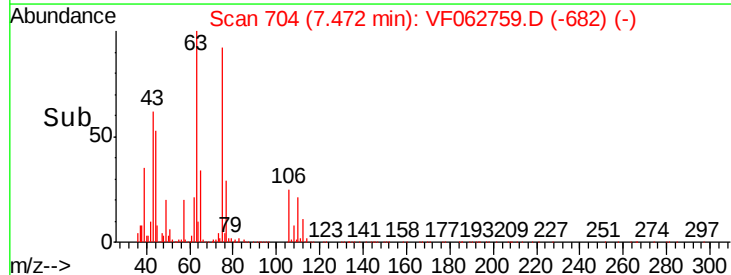
60000

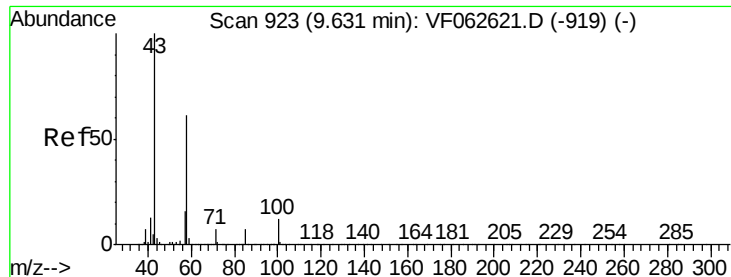
40000

20000

0

Time-->

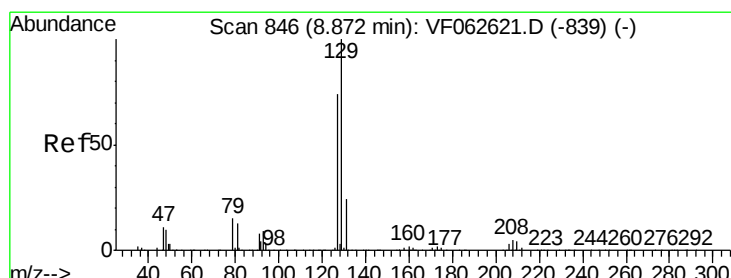
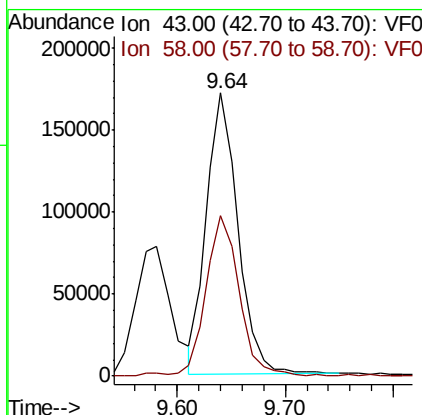
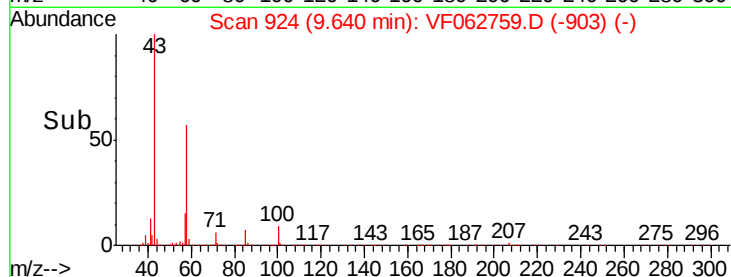
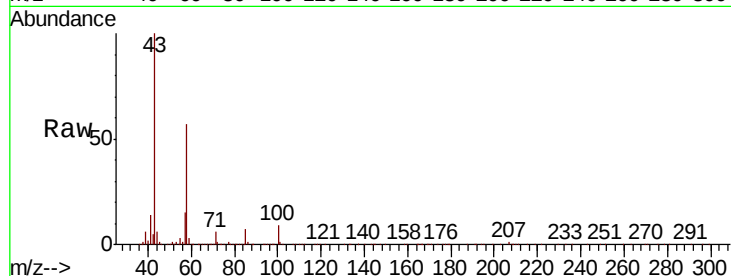




#59
2-Hexanone
Concen: 97.408 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

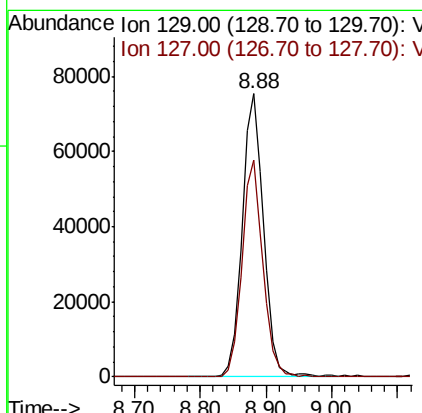
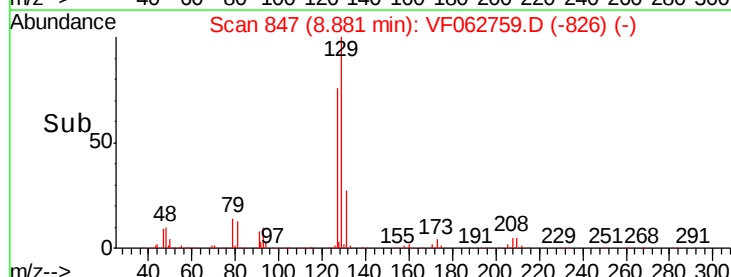
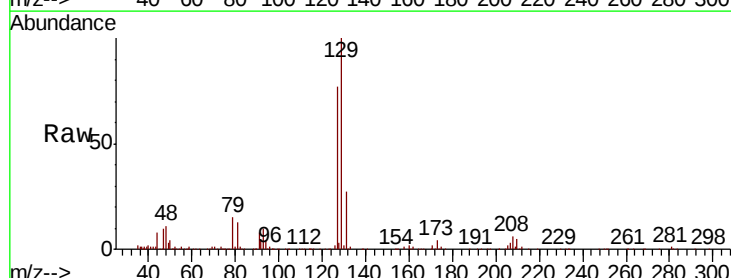
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

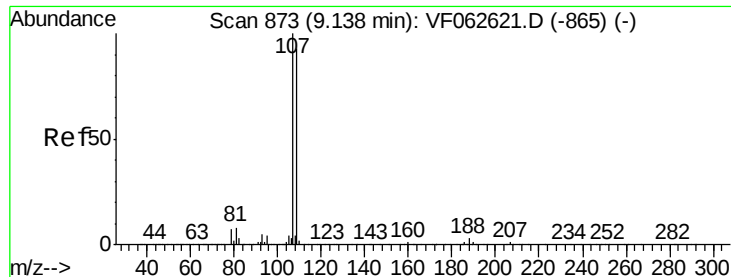
Tot Ion: 43 Resp: 345875
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.4



#60
Dibromochloromethane
Concen: 22.895 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 129 Resp: 171390
Ion Ratio Lower Upper
129 100
127 76.5 37.2 111.6





#61

1,2-Dibromoethane

Concen: 22.529 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

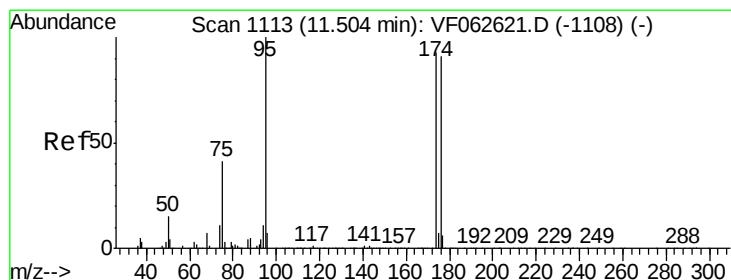
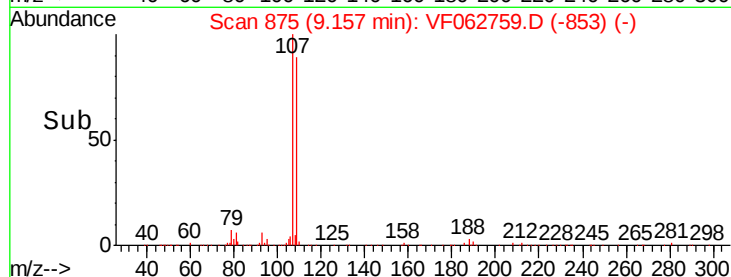
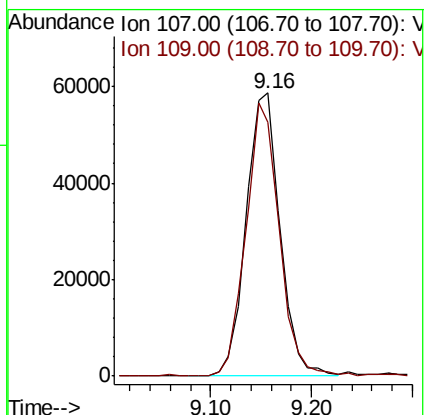
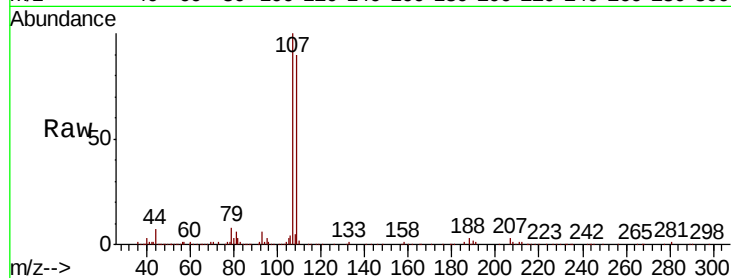
VF0528SBS02

Tot Ion:107 Resp: 137440

Ion Ratio Lower Upper

107 100

109 89.9 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 43.279 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

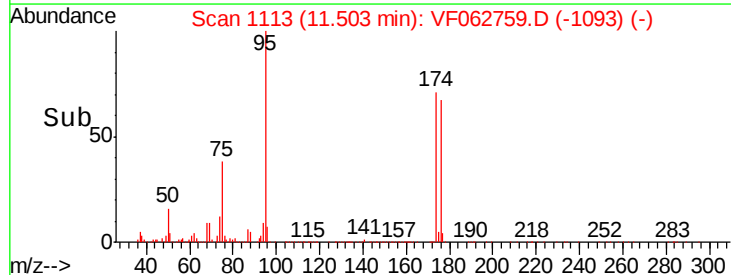
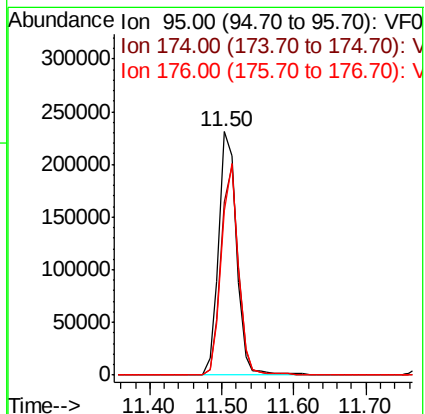
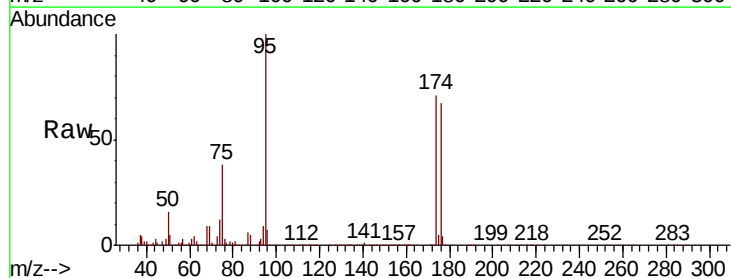
Tgt Ion: 95 Resp: 397364

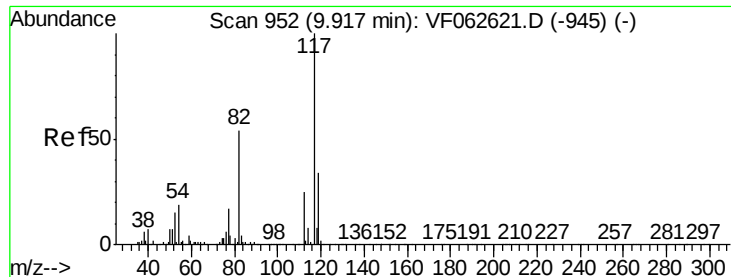
Ion Ratio Lower Upper

95 100

174 71.3 0.0 185.6

176 67.3 0.0 182.4

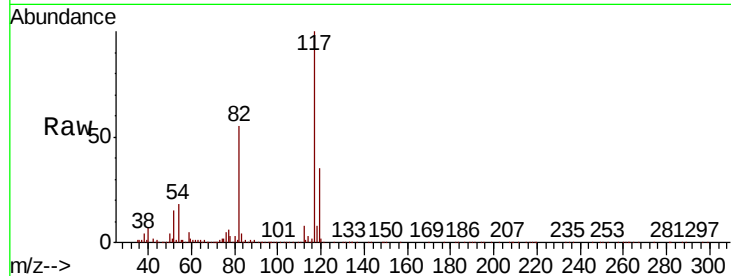




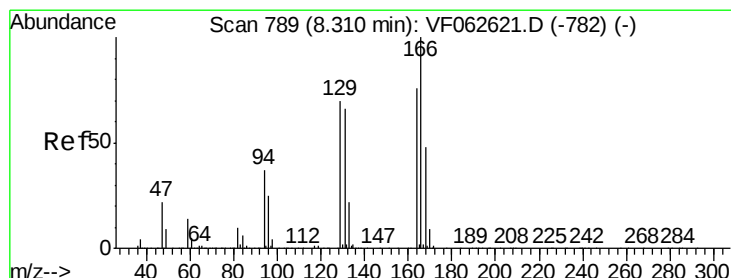
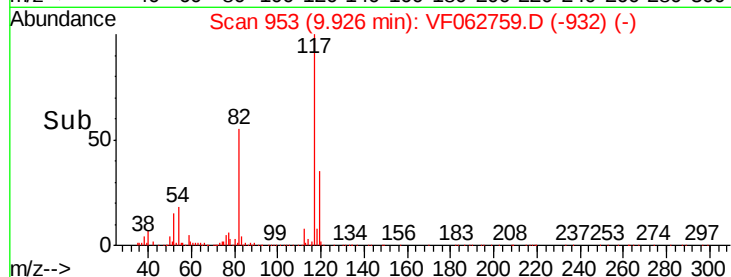
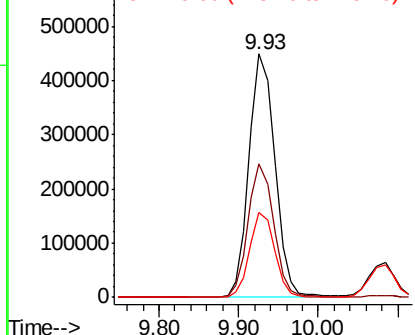
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion:117 Resp: 1012114
Ion Ratio Lower Upper
117 100
82 54.8 43.3 64.9
119 34.8 27.4 41.0

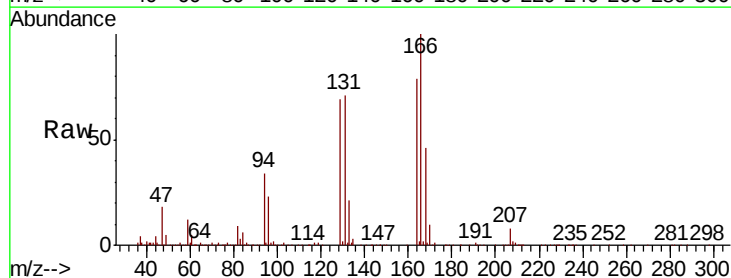


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

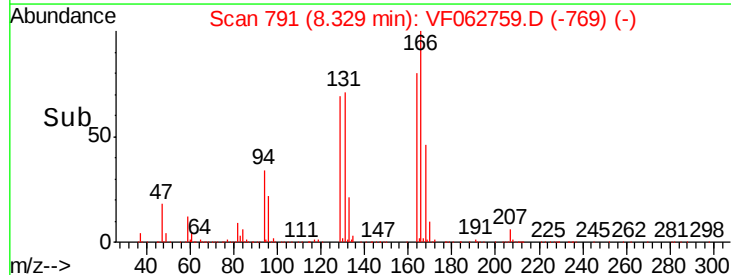
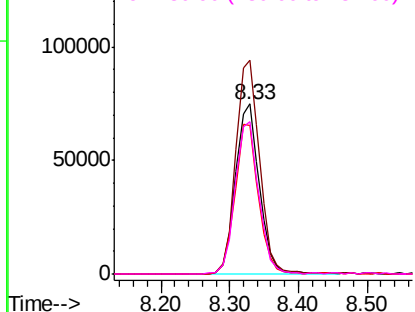


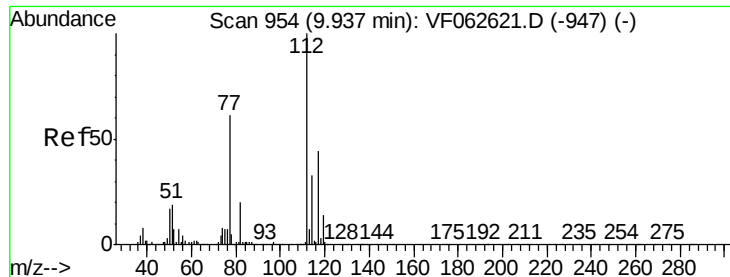
#64
Tetrachloroethene
Concen: 22.545 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion:164 Resp: 180771
Ion Ratio Lower Upper
164 100
166 125.9 105.5 158.3
129 87.2 73.8 110.6
131 89.5 69.5 104.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 22.959 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

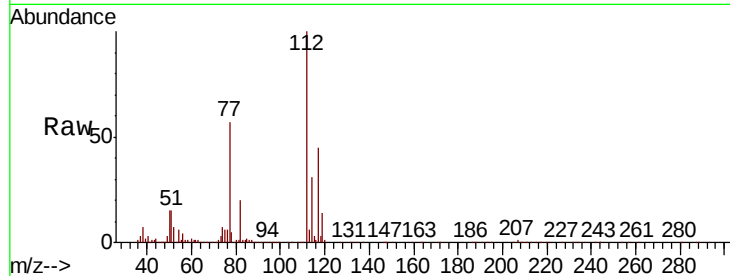
VF0528SBS02

Tot Ion:112 Resp: 456398

Ion Ratio Lower Upper

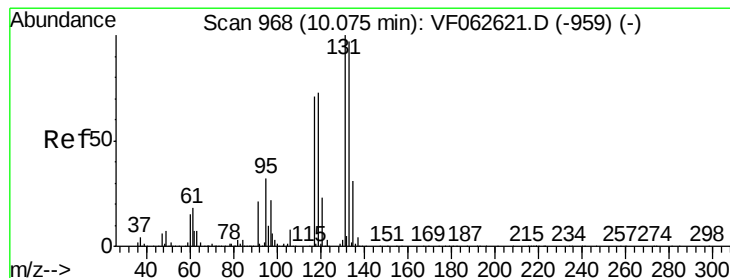
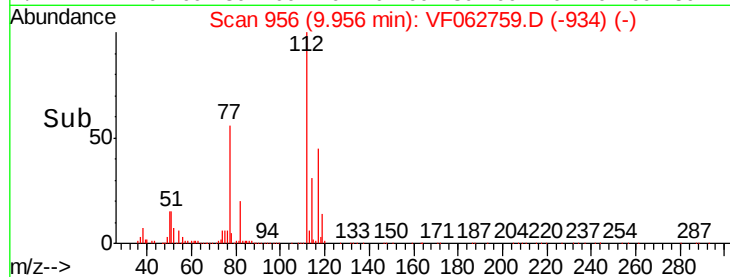
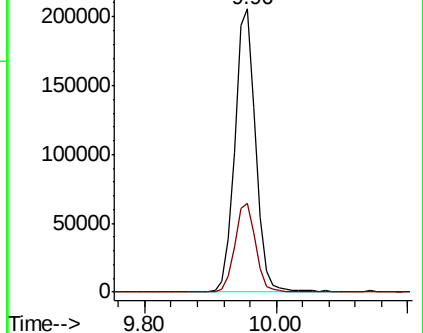
112 100

114 31.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.183 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

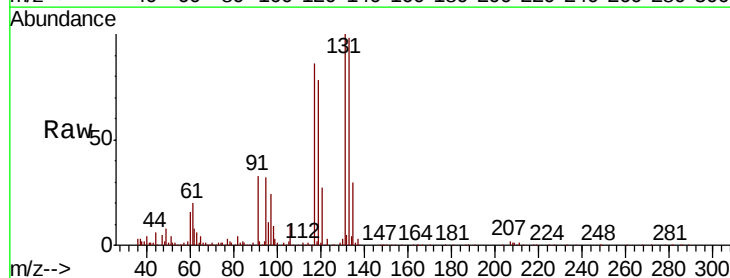
Tgt Ion:131 Resp: 177028

Ion Ratio Lower Upper

131 100

133 98.2 48.5 145.5

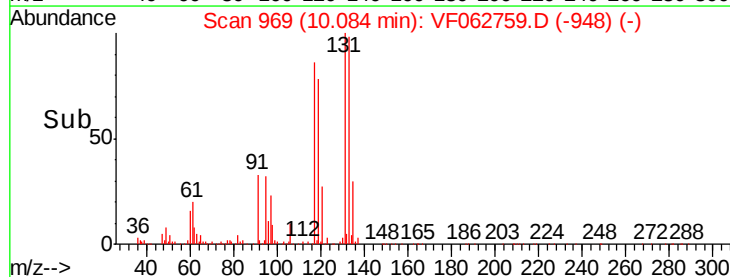
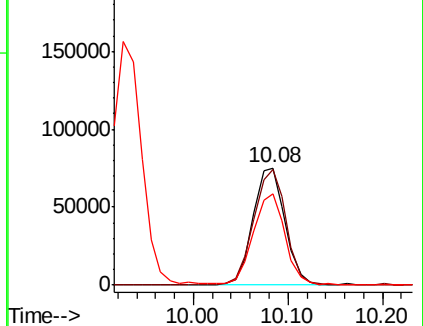
119 78.4 36.8 110.4

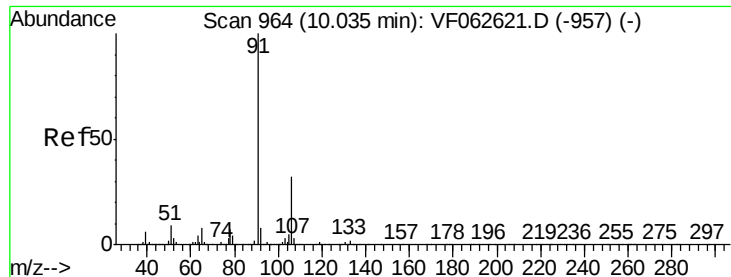


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

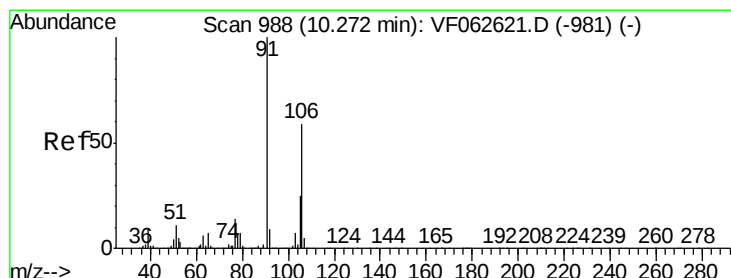
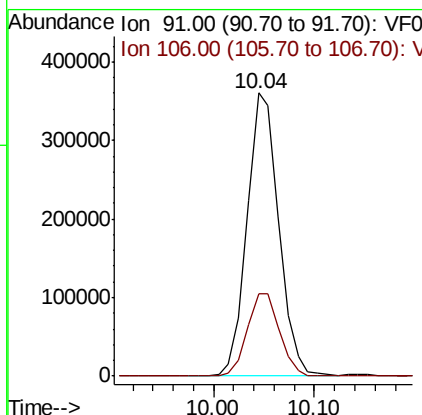
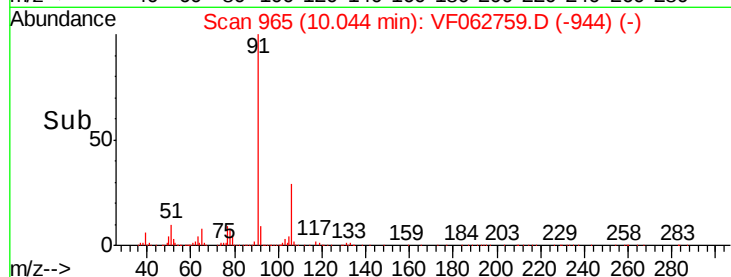
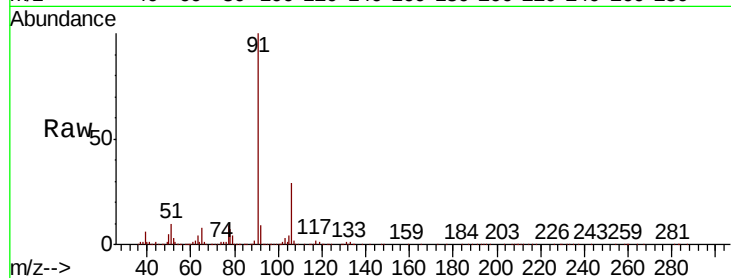




#67
Ethyl Benzene
Concen: 22.896 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

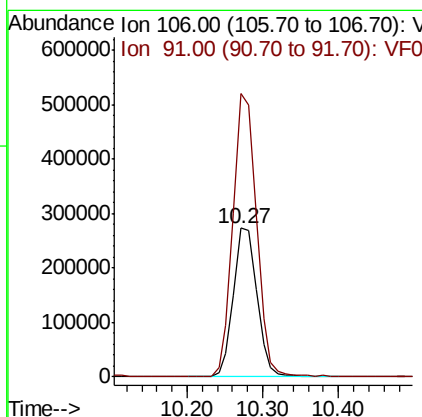
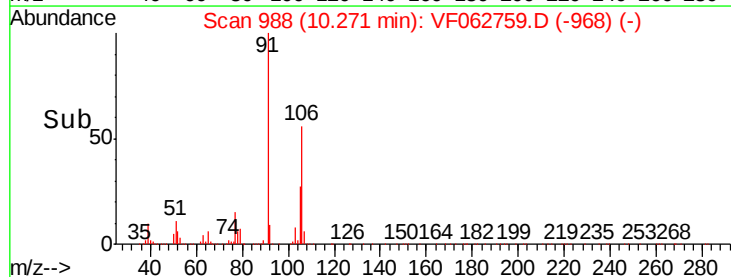
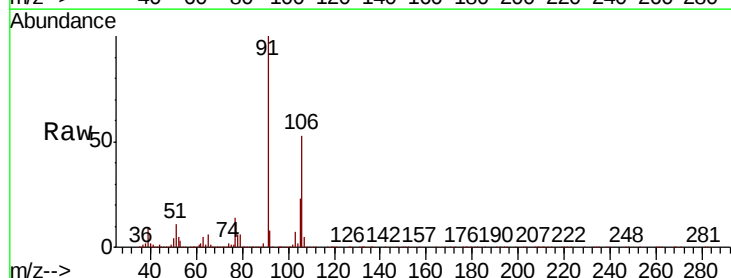
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

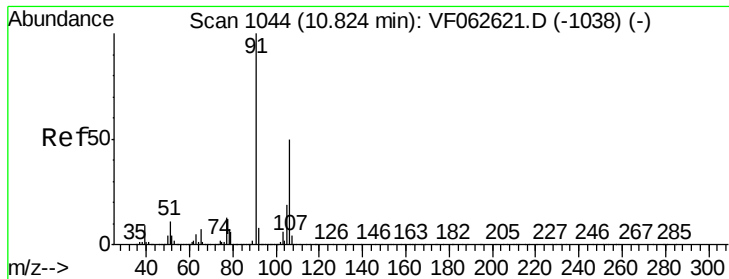
Tot Ion: 91 Resp: 790702
Ion Ratio Lower Upper
91 100
106 29.3 25.8 38.8



#68
m/p-Xylenes
Concen: 45.403 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 106 Resp: 589306
Ion Ratio Lower Upper
106 100
91 190.4 136.9 205.3

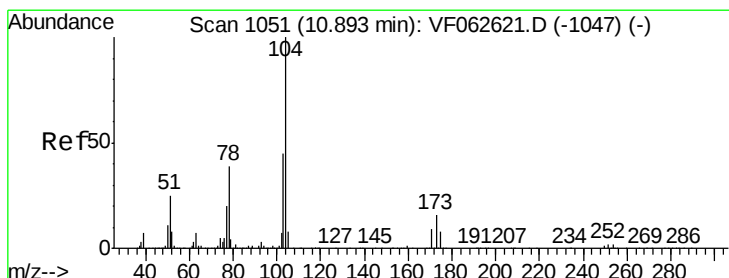
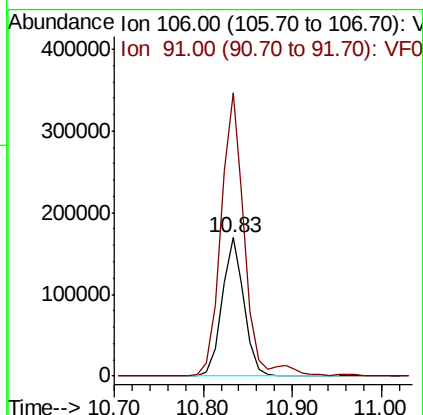
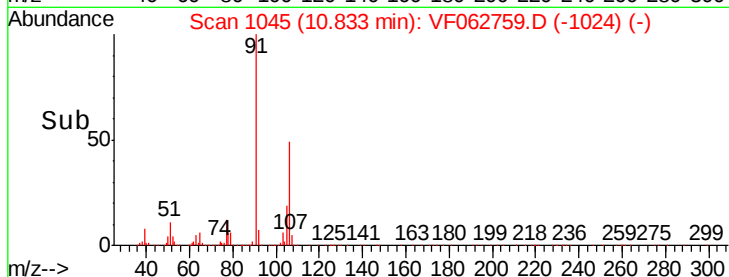
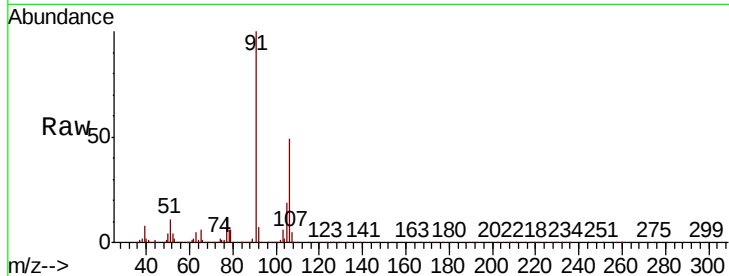




#69
o-Xylene
Concen: 22.124 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

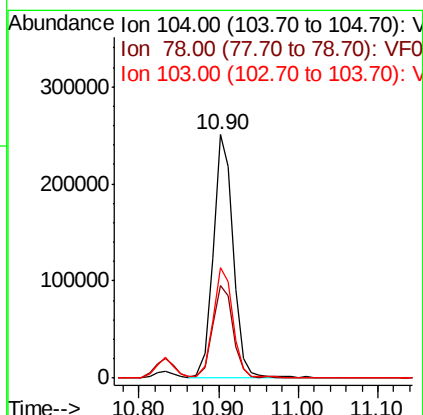
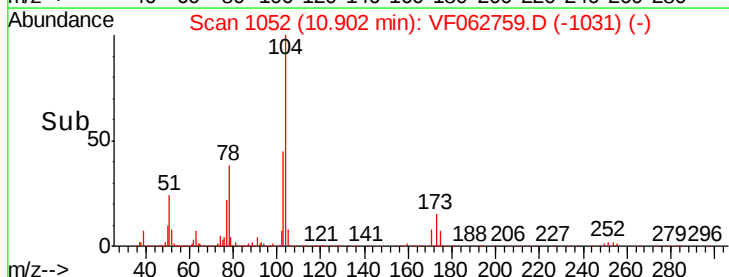
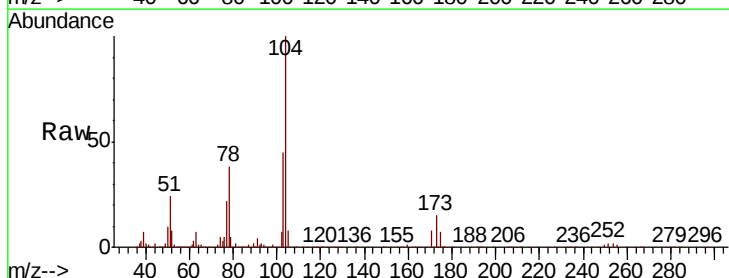
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

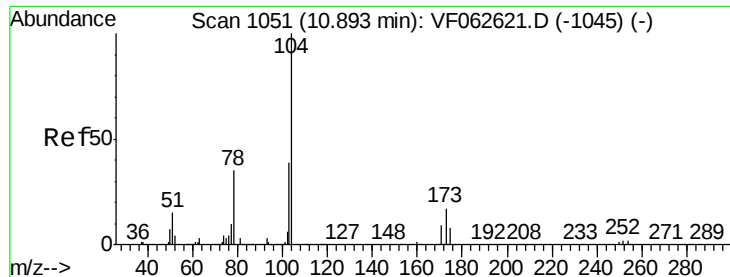
Tot Ion:106 Resp: 295767
Ion Ratio Lower Upper
106 100
91 204.8 100.2 300.5



#70
Styrene
Concen: 21.778 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion:104 Resp: 442524
Ion Ratio Lower Upper
104 100
78 37.9 31.9 47.9
103 45.5 36.1 54.1





#71

Bromoform

Concen: 21.571 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

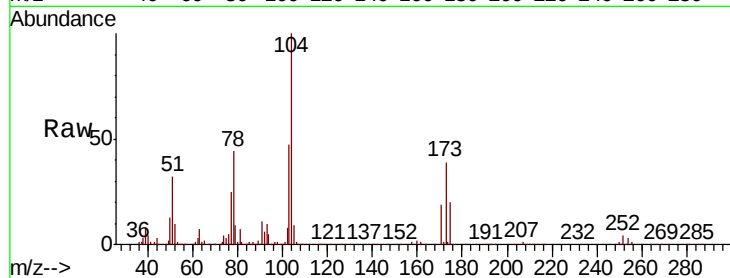
Tot Ion:173 Resp: 86215

Ion Ratio Lower Upper

173 100

175 51.3 25.3 75.9

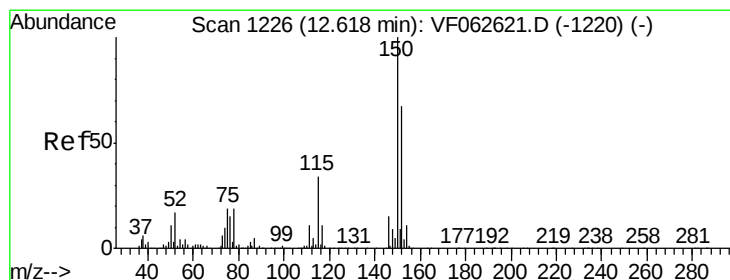
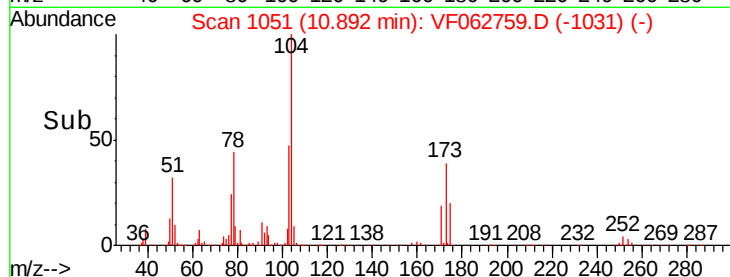
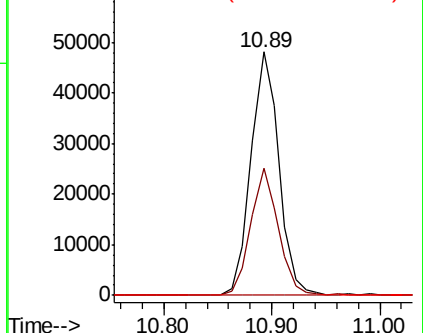
254 0.0 0.2 0.2#



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: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

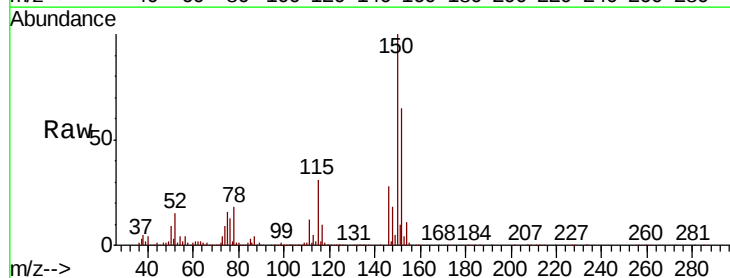
Tgt Ion:152 Resp: 489947

Ion Ratio Lower Upper

152 100

115 47.8 25.2 75.6

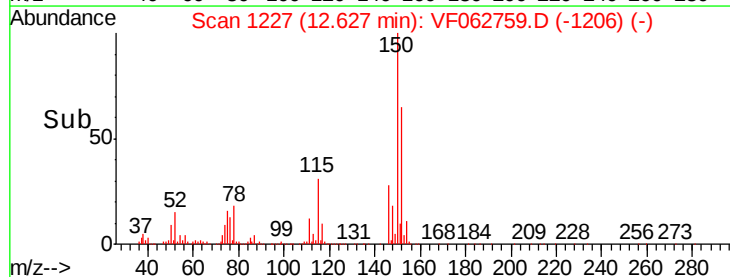
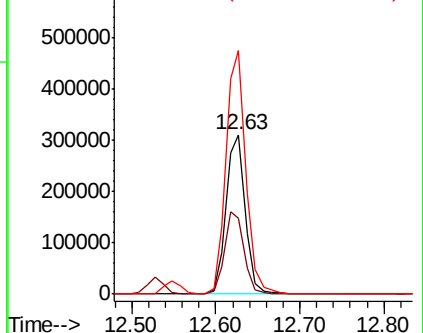
150 152.8 0.0 306.2

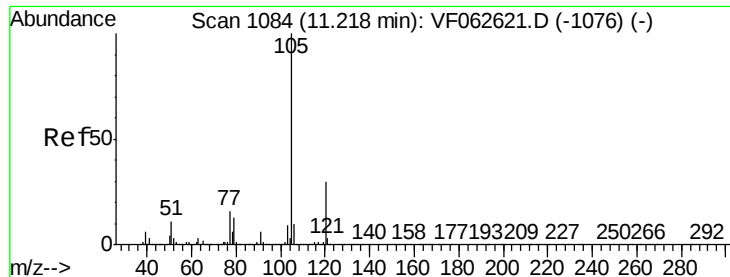


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.548 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

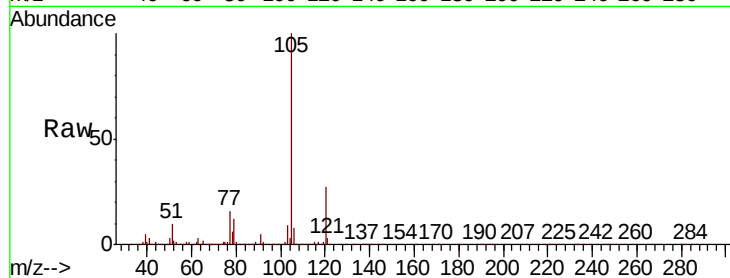
VF0528SBS02

Tot Ion:105 Resp: 791767

Ion Ratio Lower Upper

105 100

120 26.7 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

500000

400000

300000

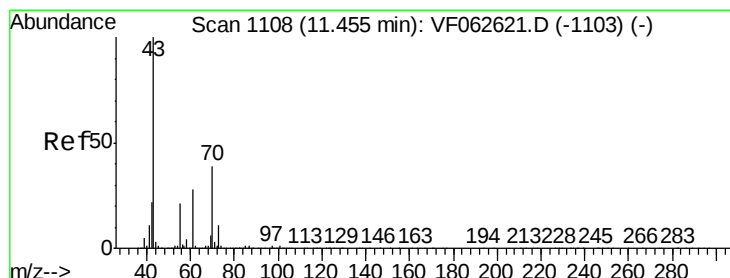
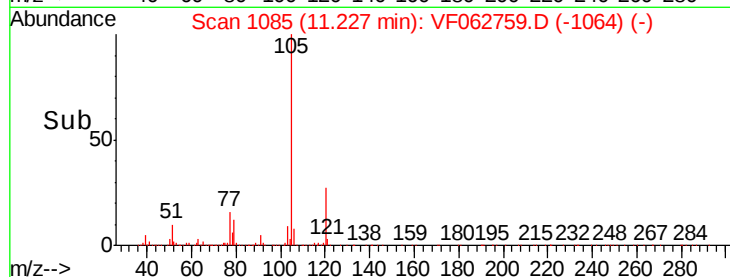
200000

100000

0

Time-->

11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 19.486 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion: 43 Resp: 203525

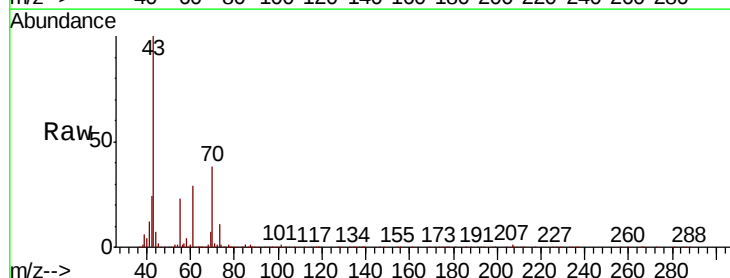
Ion Ratio Lower Upper

43 100

70 38.5 30.9 46.3

55 23.5 17.0 25.4

61 29.1 22.6 34.0



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

150000

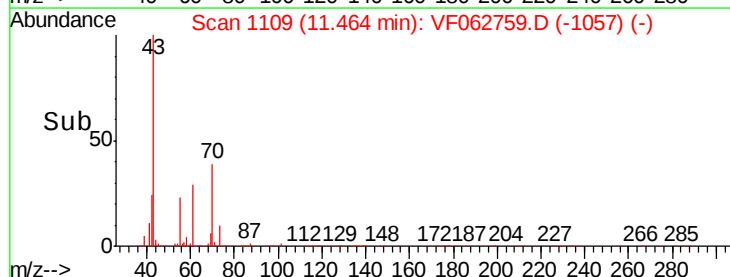
100000

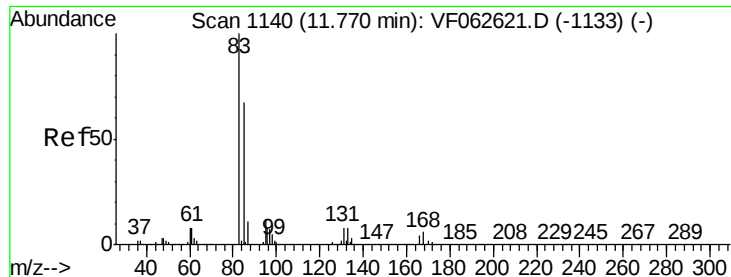
50000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 22.666 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

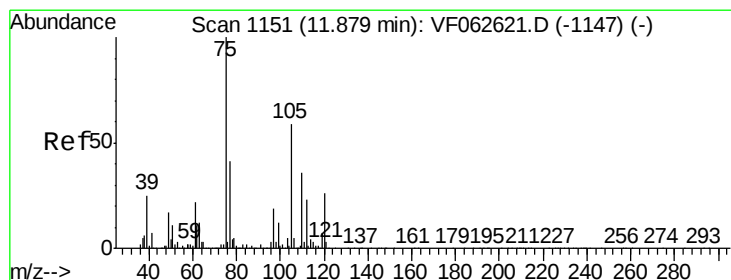
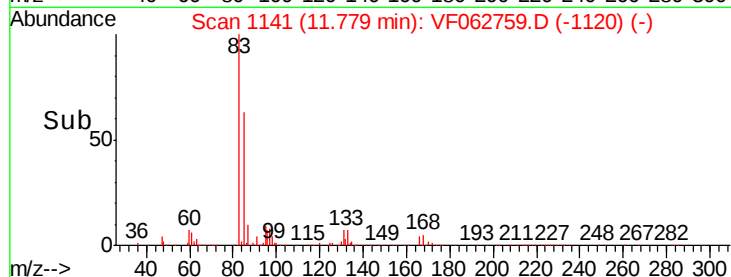
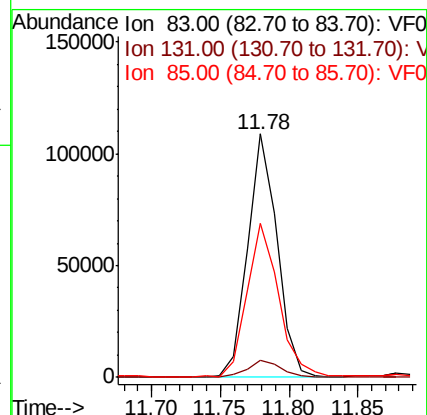
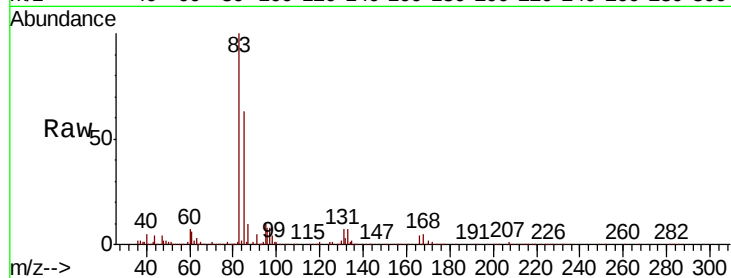
Tot Ion: 83 Resp: 162656

Ion Ratio Lower Upper

83 100

131 7.0 4.0 12.0

85 63.4 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 21.546 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062759.D

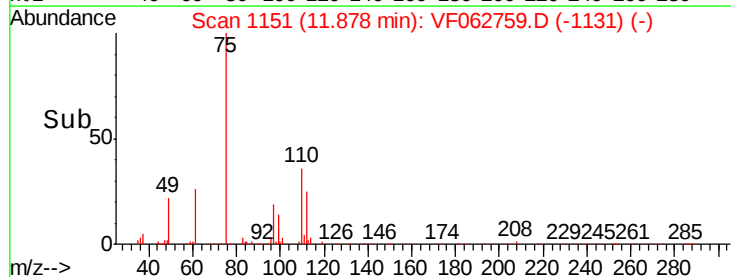
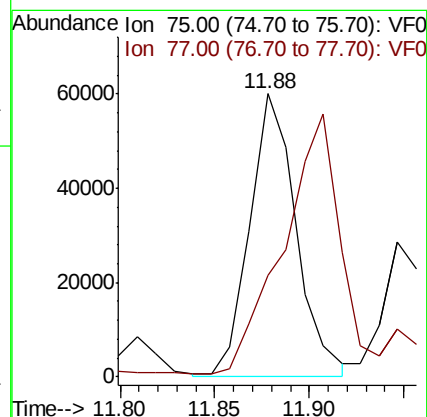
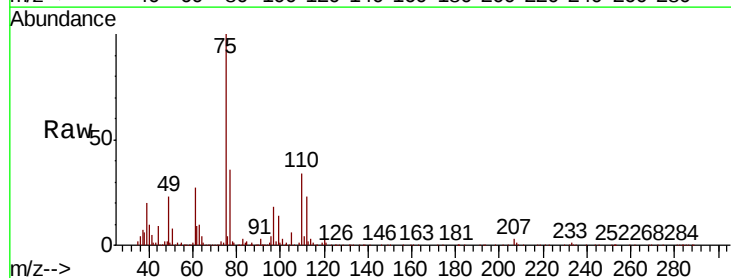
Acq: 28 May 2019 14:28

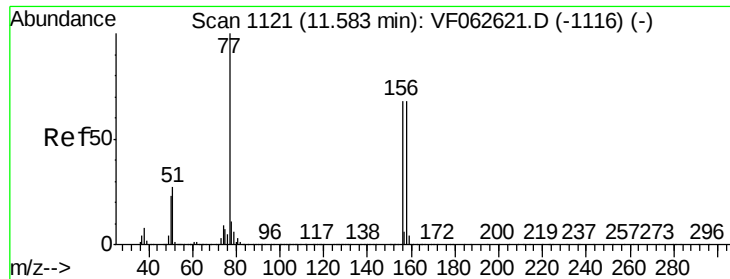
Tgt Ion: 75 Resp: 101595

Ion Ratio Lower Upper

75 100

77 35.7 20.6 61.8





#77

Bromobenzene

Concen: 21.319 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

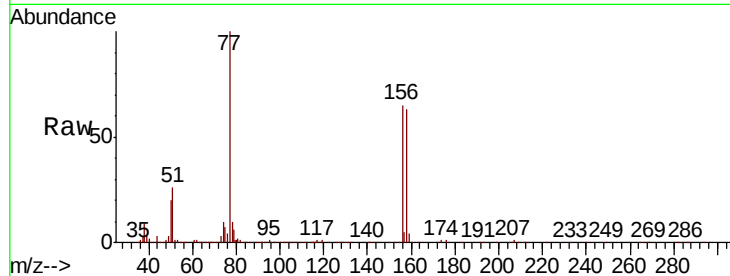
Tot Ion:156 Resp: 186086

Ion Ratio Lower Upper

156 100

77 154.1 73.6 220.8

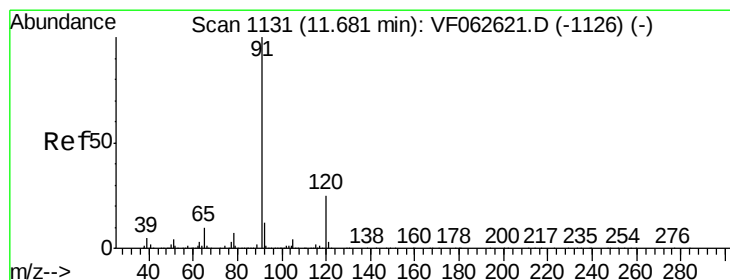
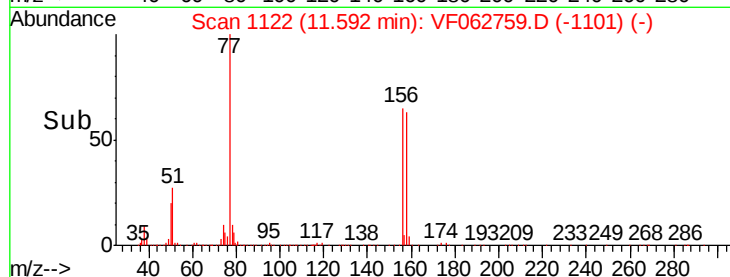
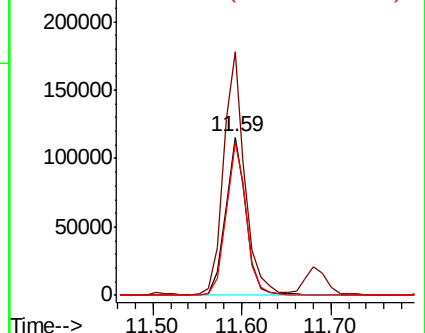
158 96.8 49.6 148.8



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: 22.495 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062759.D

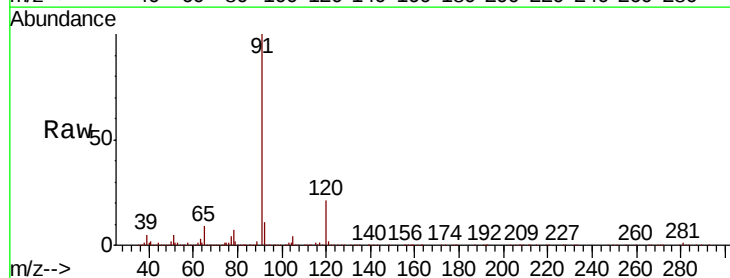
Acq: 28 May 2019 14:28

Tgt Ion: 91 Resp: 934834

Ion Ratio Lower Upper

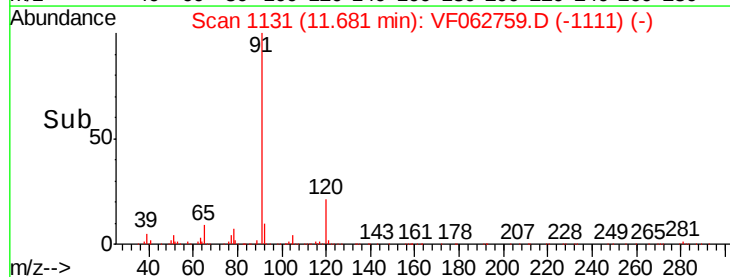
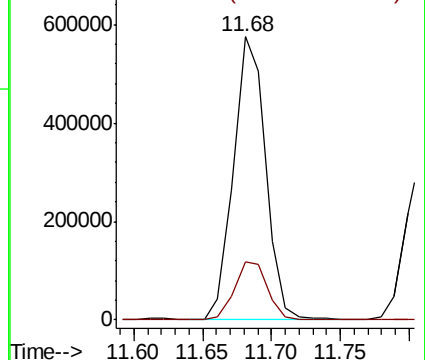
91 100

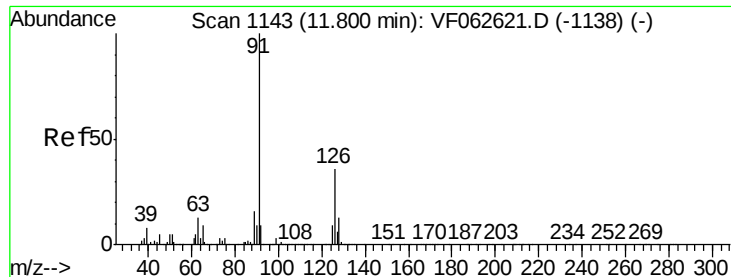
120 20.6 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.236 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

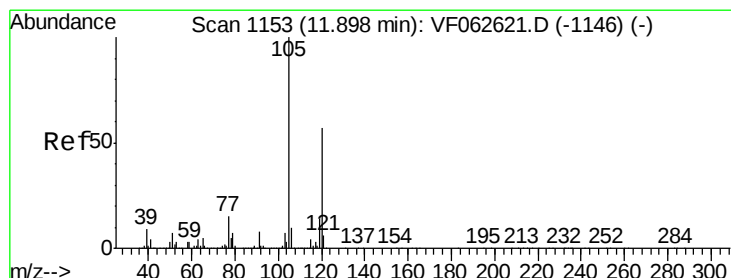
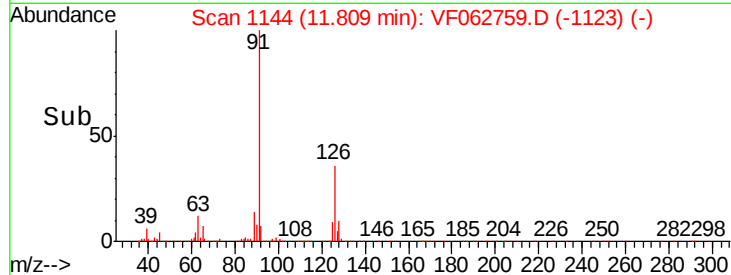
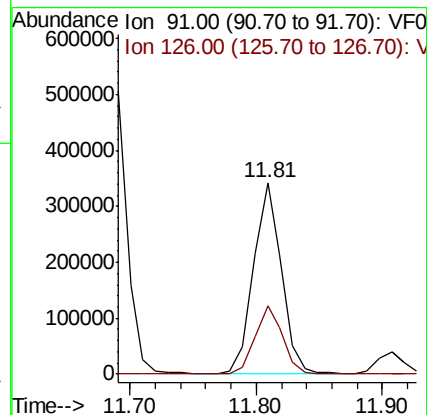
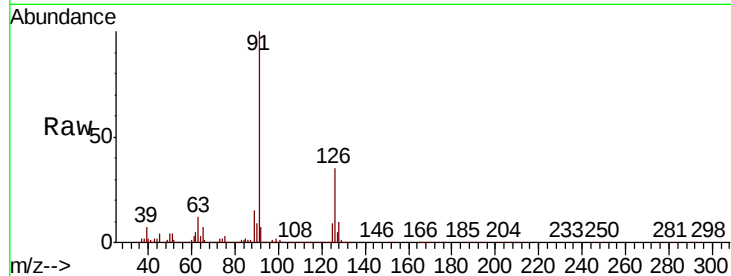
VF0528SBS02

Tot Ion: 91 Resp: 520790

Ion Ratio Lower Upper

91 100

126 35.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.861 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062759.D

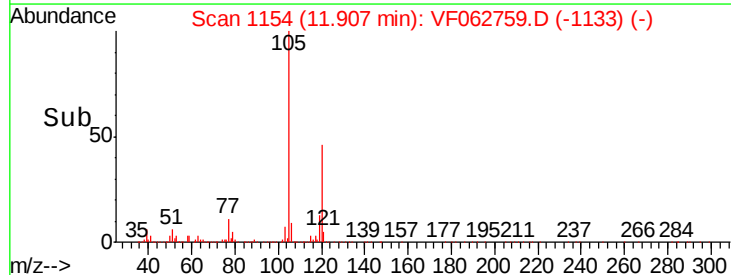
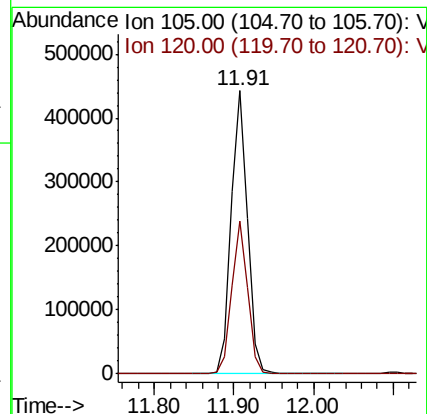
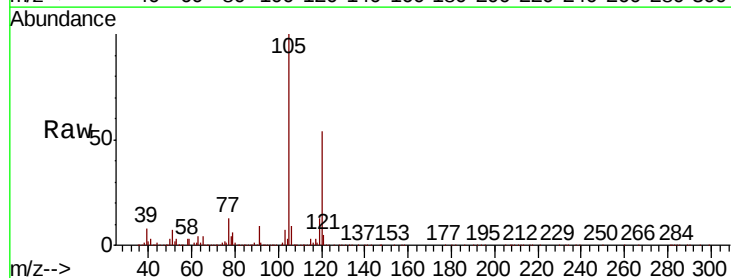
Acq: 28 May 2019 14:28

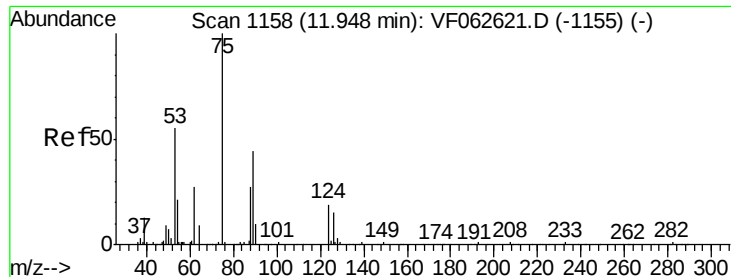
Tgt Ion: 105 Resp: 643694

Ion Ratio Lower Upper

105 100

120 54.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 28.577 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

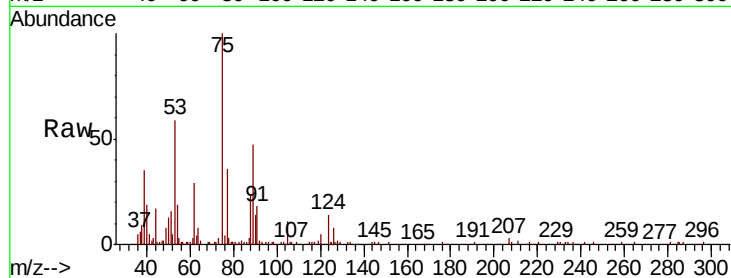
Tot Ion: 75 Resp: 59896

Ion Ratio Lower Upper

75 100

53 58.6 46.9 70.3

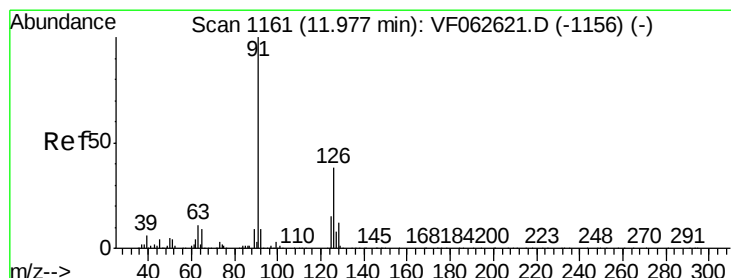
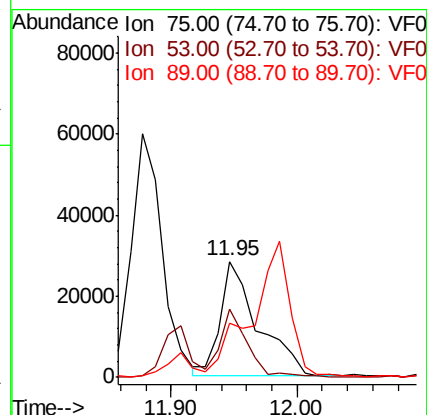
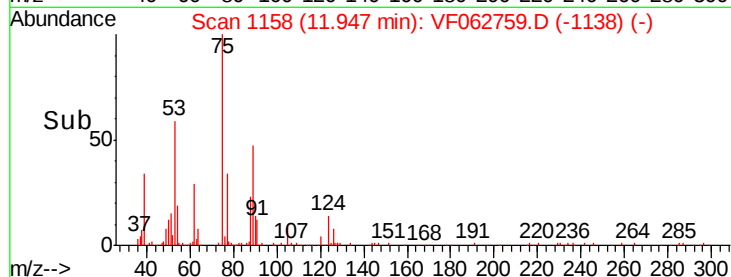
89 46.6 36.4 54.6



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: 22.432 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062759.D

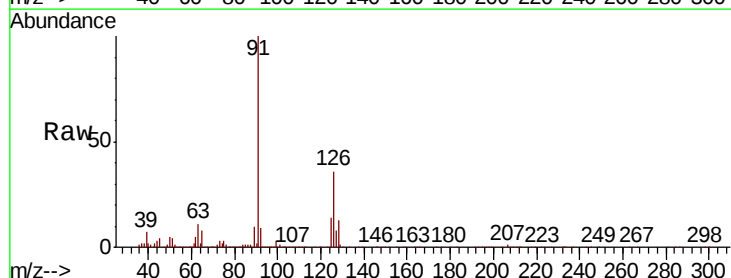
Acq: 28 May 2019 14:28

Tgt Ion: 91 Resp: 518091

Ion Ratio Lower Upper

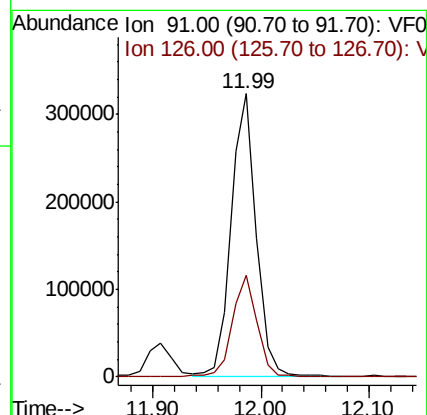
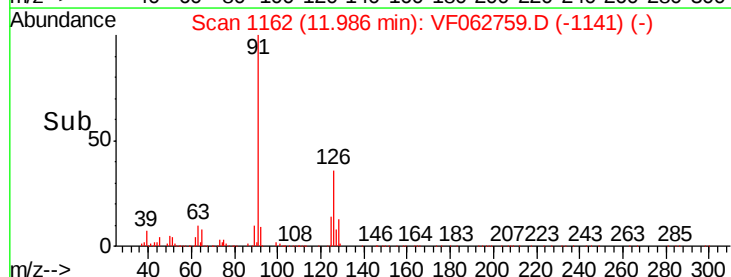
91 100

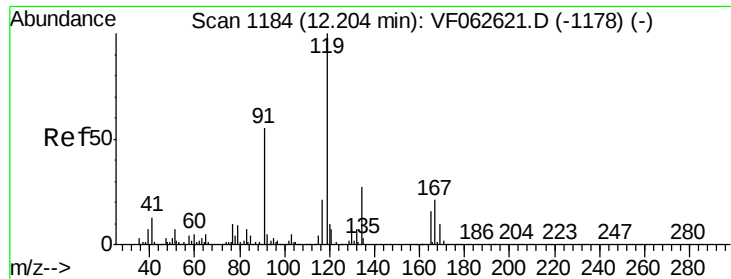
126 36.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

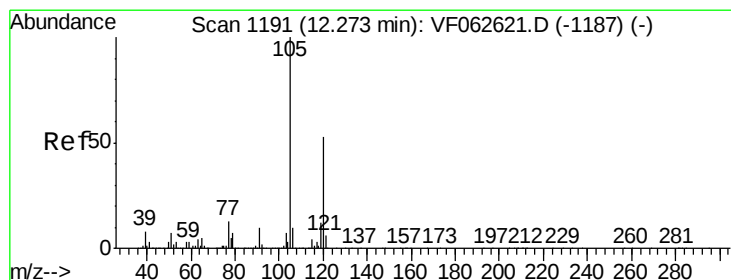
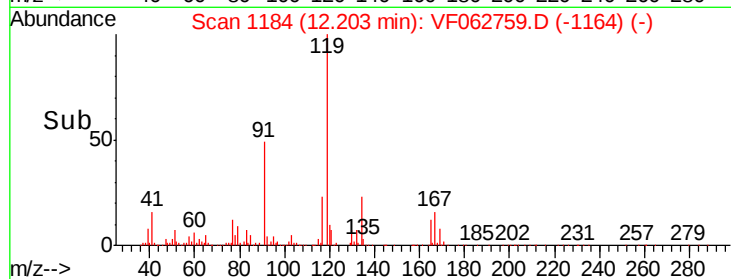
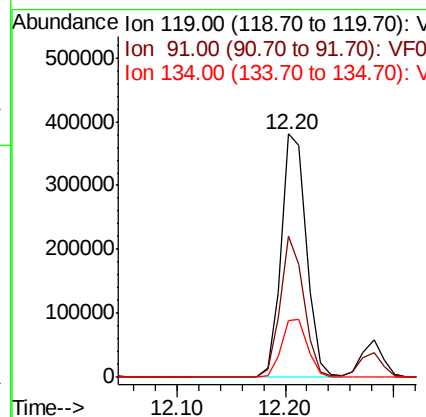
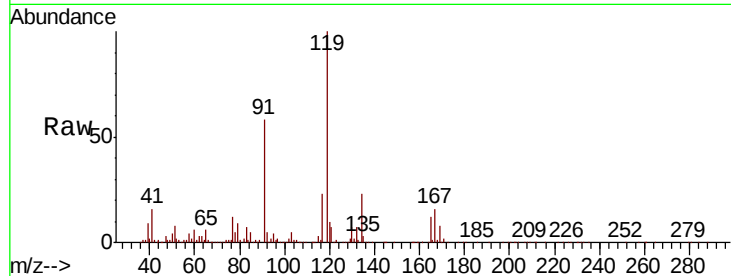




#83
 tert-Butylbenzene
 Concen: 21.895 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

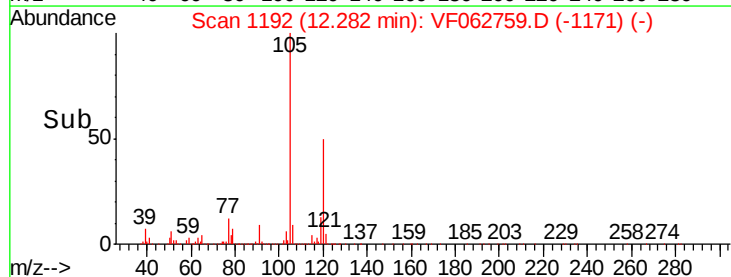
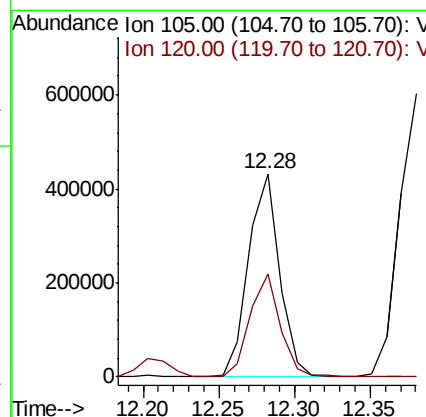
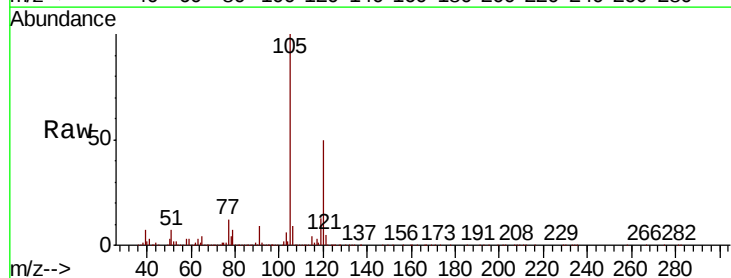
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

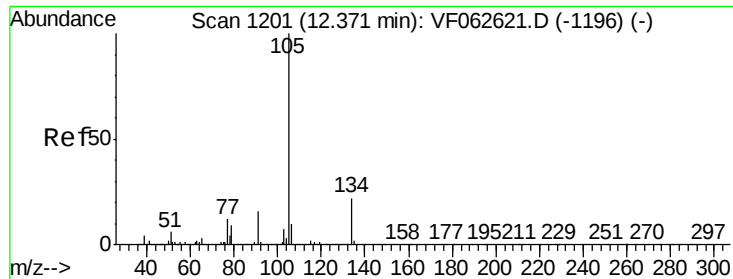
Tot Ion:119 Resp: 625477
 Ion Ratio Lower Upper
 119 100
 91 58.1 27.3 81.9
 134 23.1 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.645 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion:105 Resp: 617120
 Ion Ratio Lower Upper
 105 100
 120 50.5 26.7 80.1

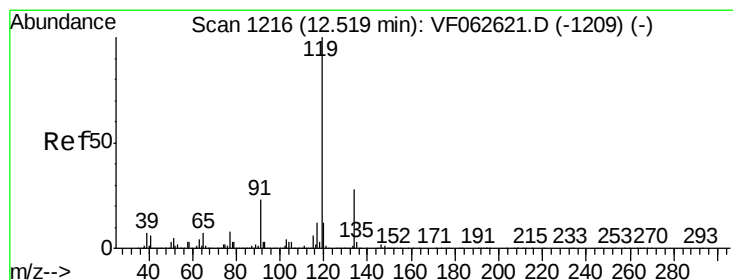
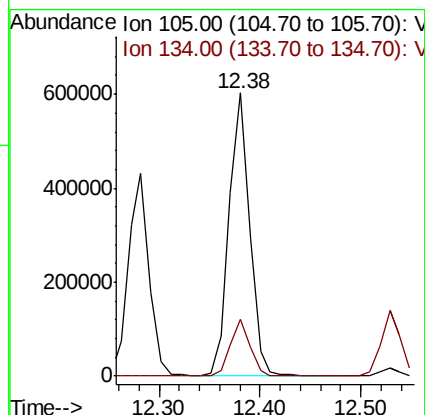
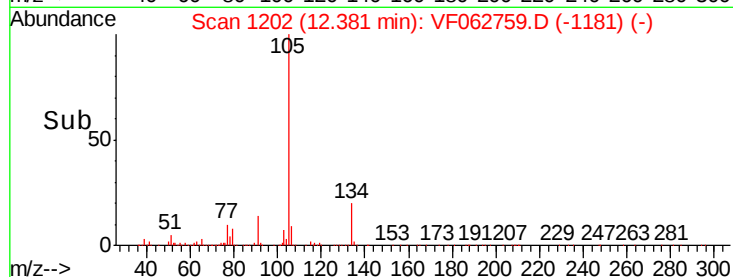
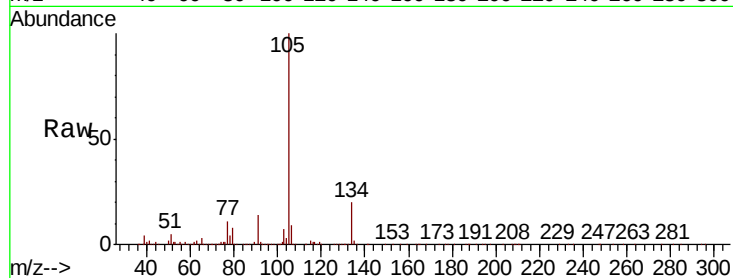




#85
 sec-Butylbenzene
 Concen: 22.256 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

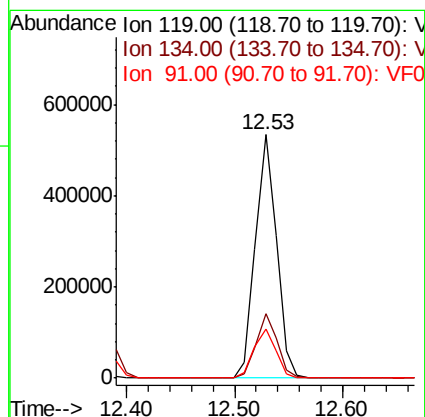
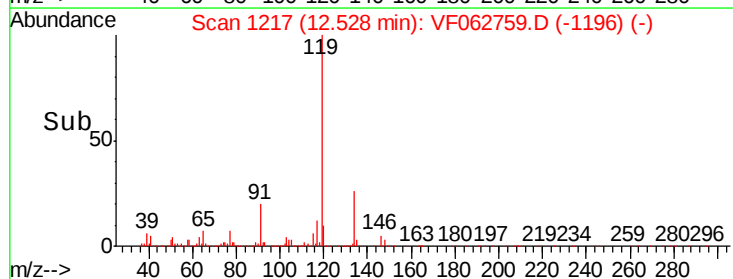
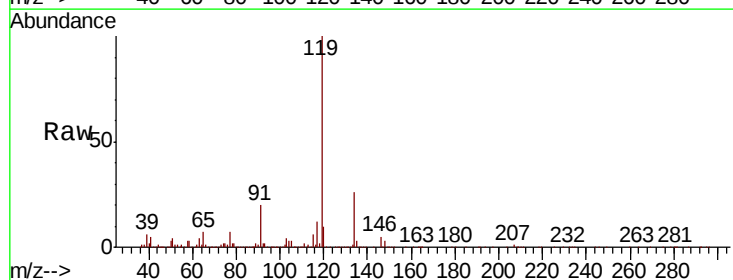
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

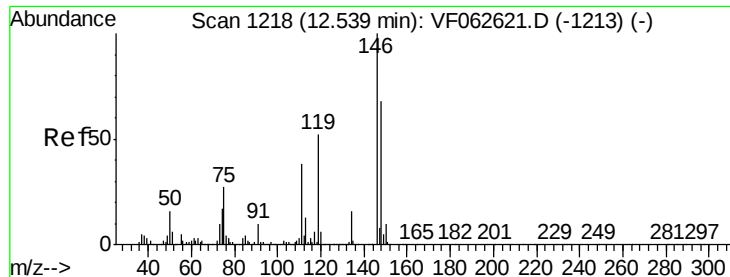
Tot Ion:105 Resp: 853248
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 22.641 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion:119 Resp: 731513
 Ion Ratio Lower Upper
 119 100
 134 26.2 14.1 42.3
 91 20.0 11.4 34.2

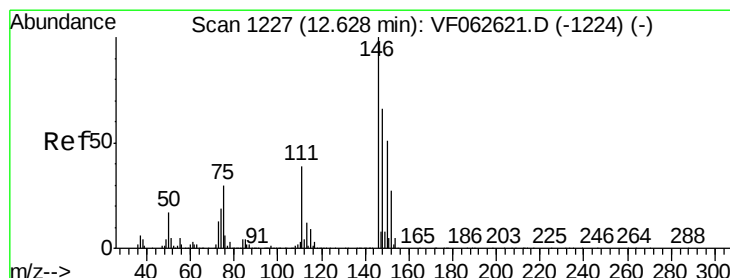
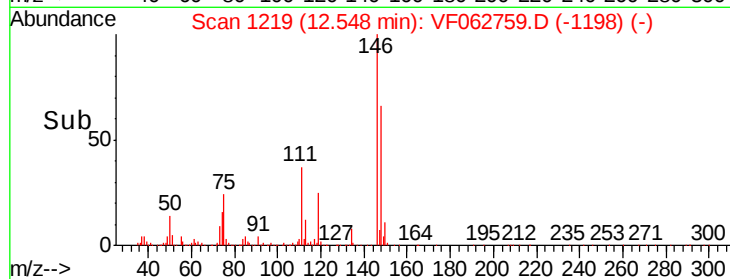
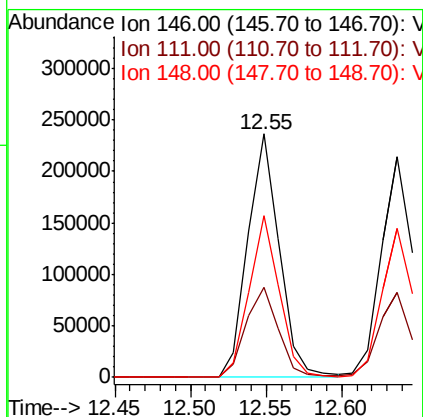
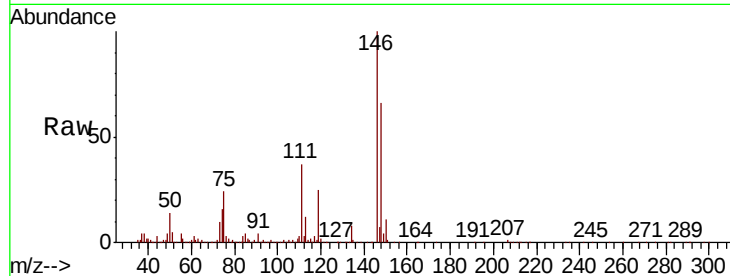




#87
 1,3-Dichlorobenzene
 Concen: 21.808 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

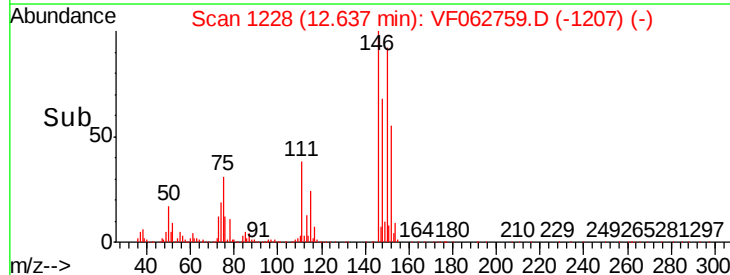
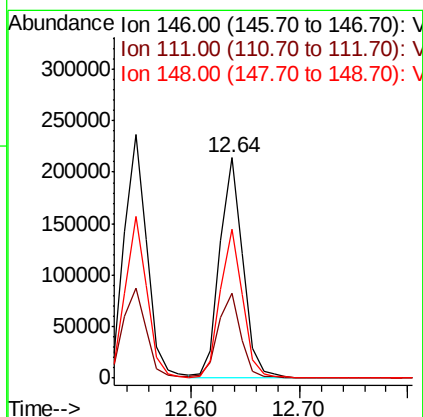
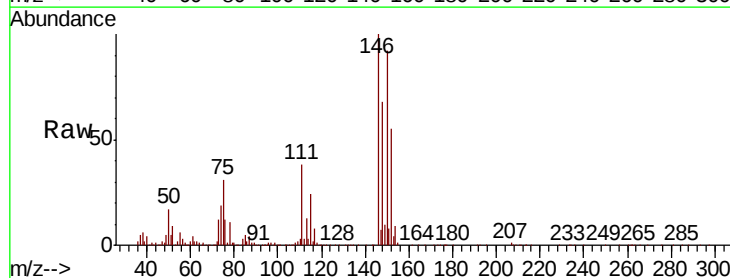
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

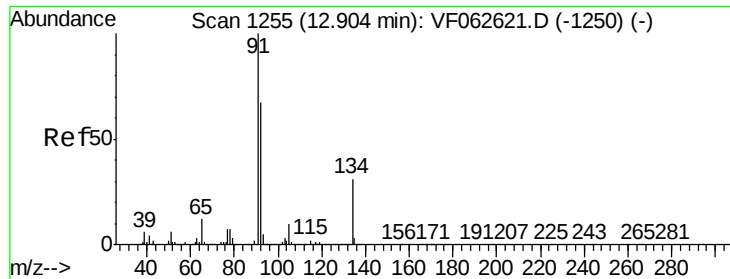
Tot Ion:146 Resp: 344384
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.9
 148 66.4 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.548 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion:146 Resp: 319324
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.2
 148 67.6 33.2 99.6





#89

n-Butylbenzene

Concen: 22.858 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

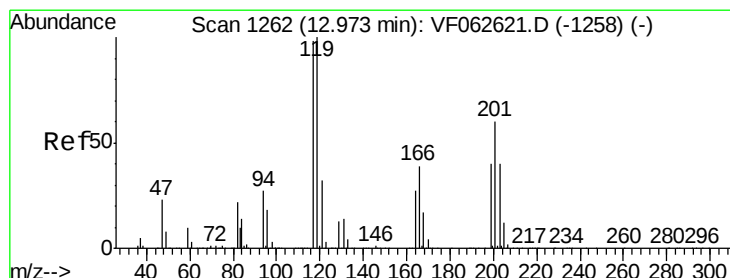
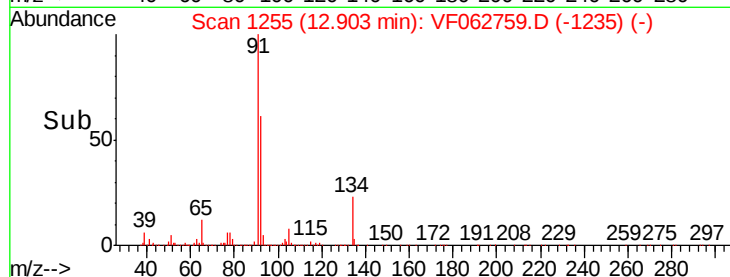
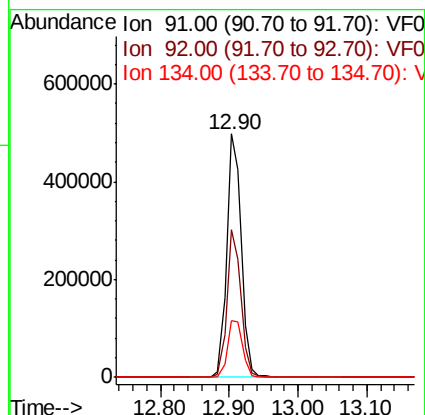
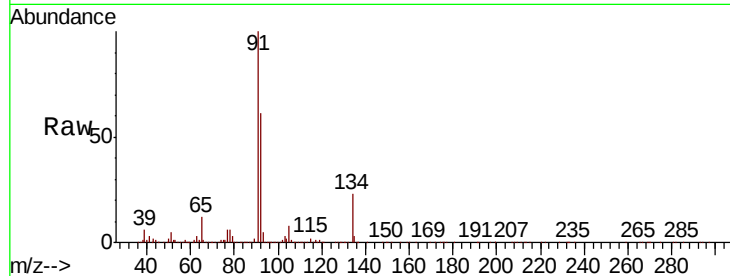
Tot Ion: 91 Resp: 728139

Ion Ratio Lower Upper

91 100

92 60.6 33.3 99.8

134 23.2 15.4 46.4



#90

Hexachloroethane

Concen: 22.118 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062759.D

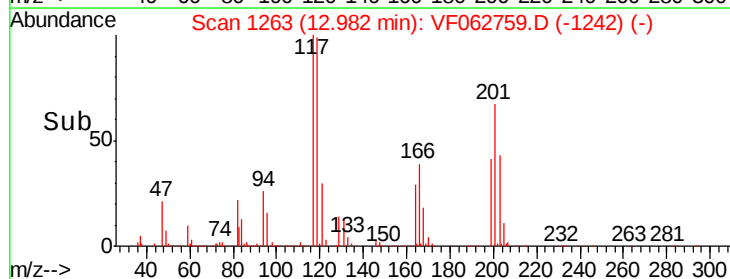
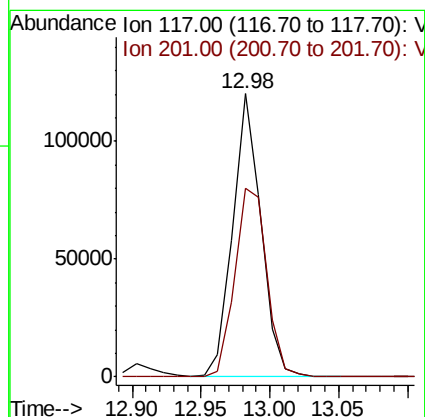
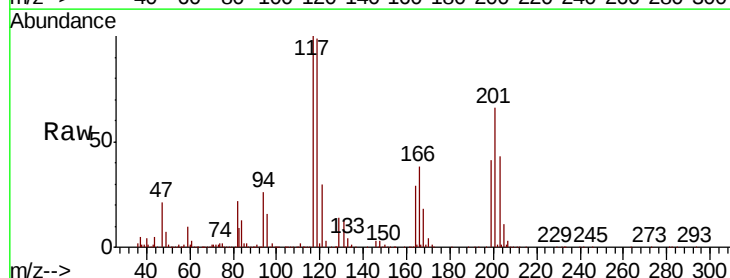
Acq: 28 May 2019 14:28

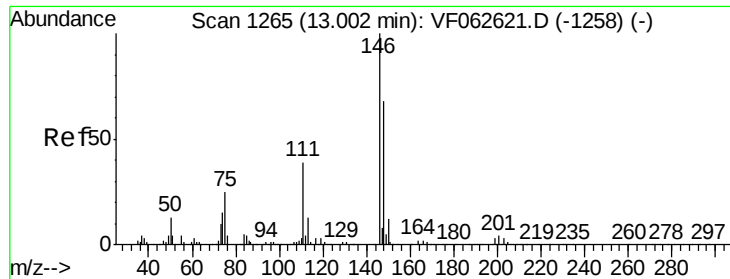
Tgt Ion: 117 Resp: 171428

Ion Ratio Lower Upper

117 100

201 67.9 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 22.339 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

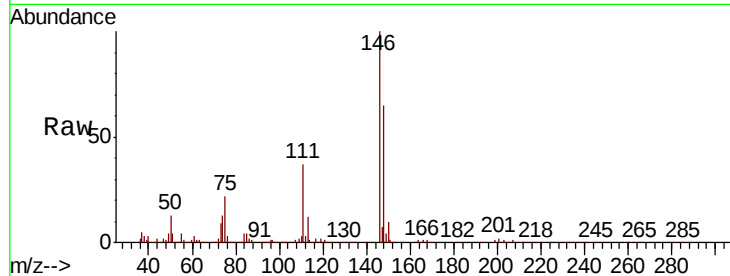
Tot Ion:146 Resp: 314466

Ion Ratio Lower Upper

146 100

111 37.3 19.8 59.3

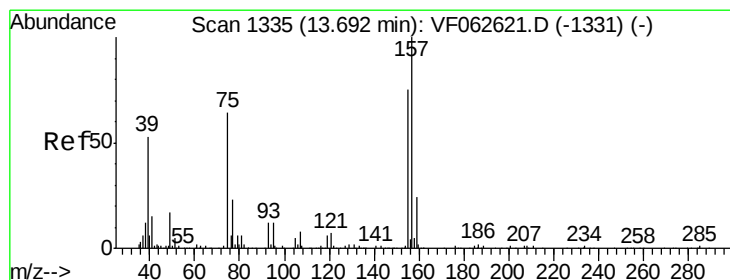
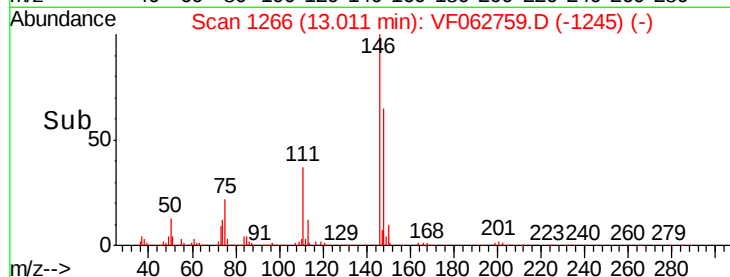
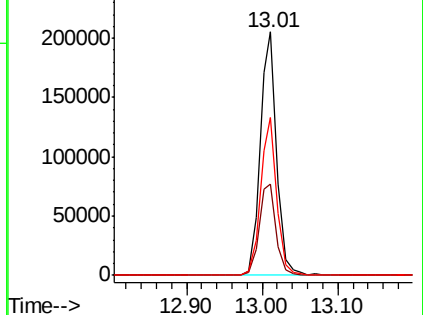
148 65.0 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.087 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

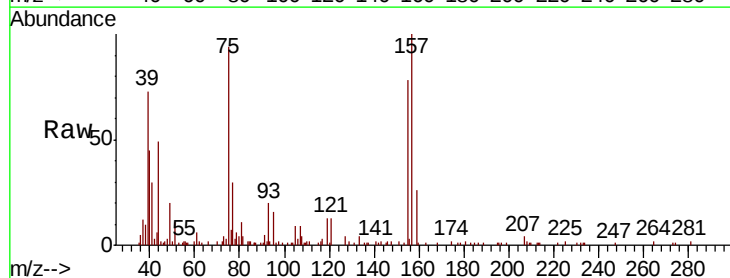
Tgt Ion: 75 Resp: 18053

Ion Ratio Lower Upper

75 100

155 82.5 58.1 174.3

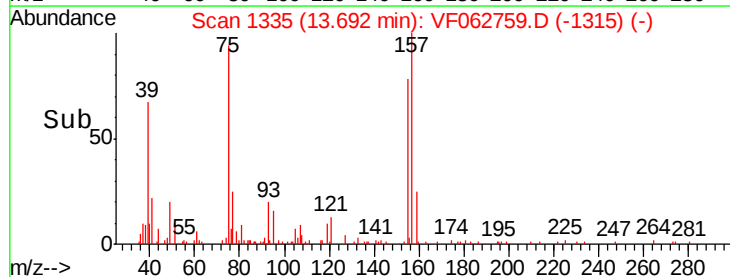
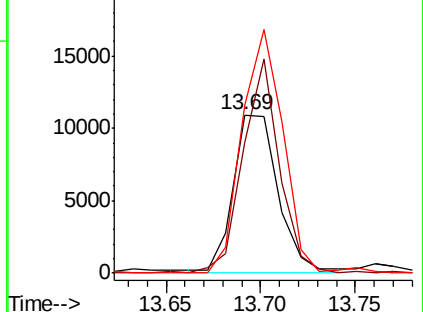
157 106.1 77.8 233.4

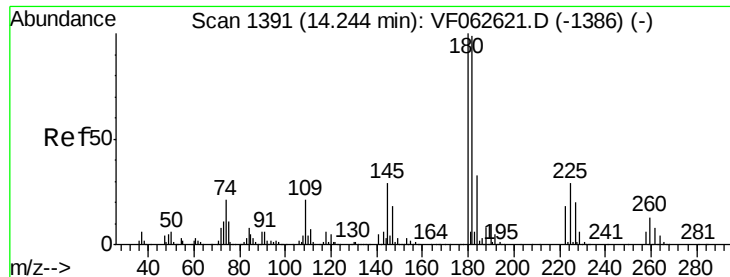


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

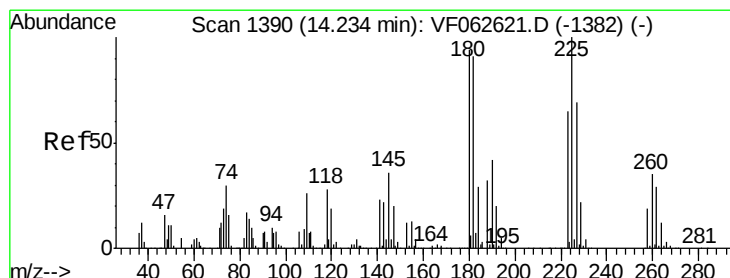
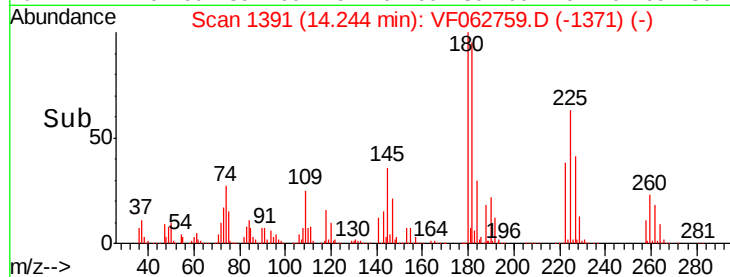
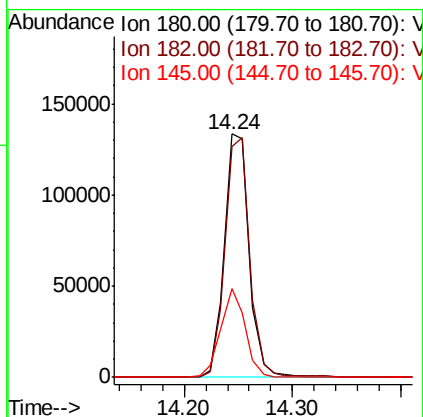
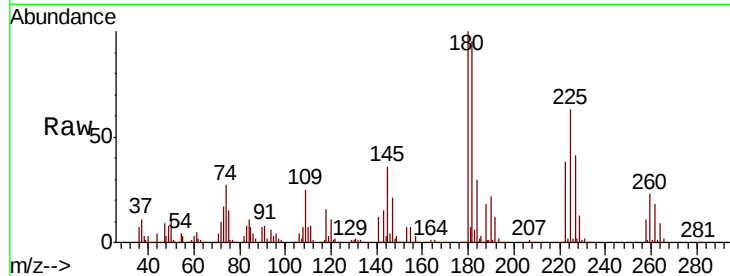




#93
 1,2,4-Trichlorobenzene
 Concen: 21.151 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

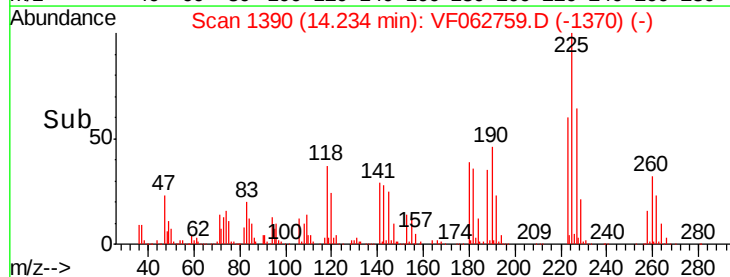
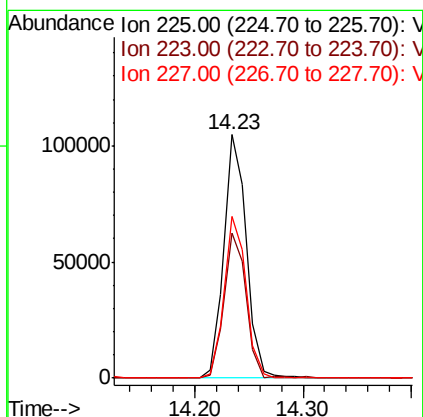
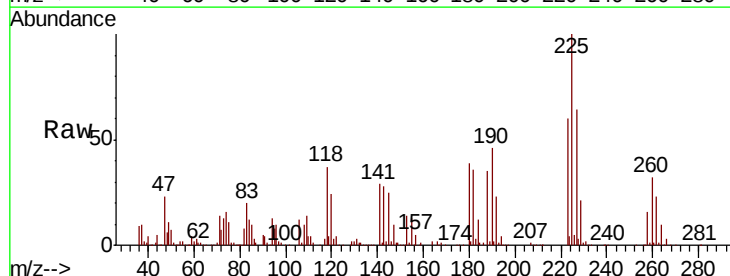
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

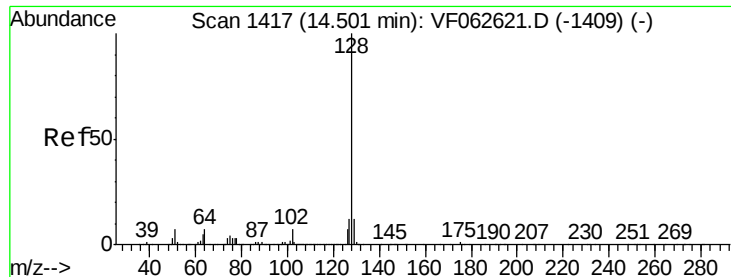
Tot Ion:180 Resp: 213119
 Ion Ratio Lower Upper
 180 100
 182 94.9 49.7 149.1
 145 36.4 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 21.668 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion:225 Resp: 152367
 Ion Ratio Lower Upper
 225 100
 223 59.7 32.5 97.4
 227 66.5 34.5 103.5





#95

Naphthalene

Concen: 18.526 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

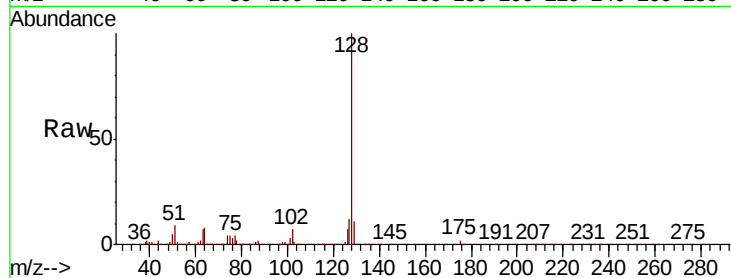
Tot Ion:128 Resp: 339121

Ion Ratio Lower Upper

128 100

127 11.7 9.7 14.5

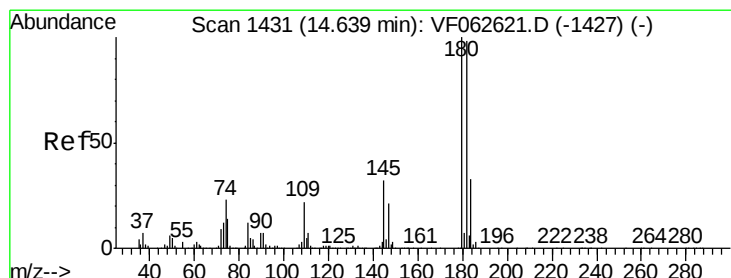
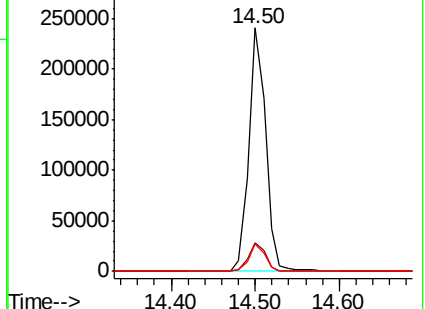
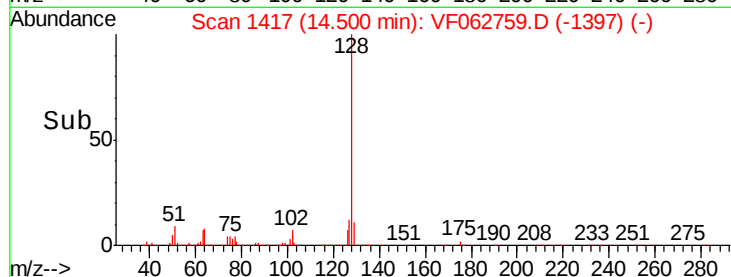
129 11.3 9.3 13.9



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: 21.372 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

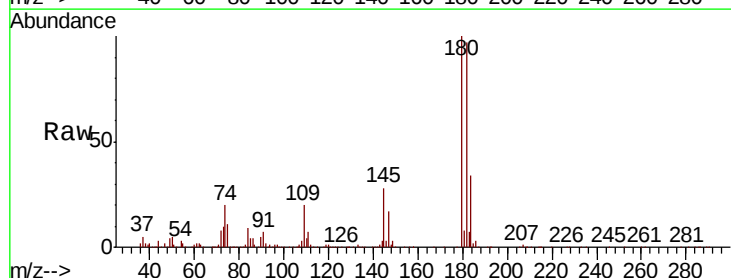
Tgt Ion:180 Resp: 203973

Ion Ratio Lower Upper

180 100

182 96.5 48.9 146.7

145 27.7 16.1 48.2



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

