

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062727.D
 Acq On : 23 May 2019 15:24
 Operator : FY/SY
 Sample : K2976-12
 Misc : 5.27g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 24 02:14:41 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	423	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.82	114	452	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.98	117	439	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.53	152	453	50.00	ug/l	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	224	74.94	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	149.88%	
35) Dibromofluoromethane	4.33	113	80	23.13	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	46.26%	
50) Toluene-d8	7.67	98	150	18.16	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	36.32%	
62) 4-Bromofluorobenzene	11.53	95	714	227.97	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	455.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	61	10.597	ug/l #	1
3) Chloromethane	1.26	50	446	84.145	ug/l	97
4) Vinyl Chloride	1.05	62	335	68.662	ug/l	92
5) Bromomethane	1.43	94	644	241.280	ug/l #	76
6) Chloroethane	1.45	64	274	152.912	ug/l #	45
7) Trichlorofluoromethane	1.54	101	60	9.159	ug/l #	1
8) Diethyl Ether	1.70	74	359	276.620	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.91	101	247	59.213	ug/l #	19
10) Methyl Iodide	1.96	142	195	23.797	ug/l #	37
11) Tert butyl alcohol	2.73	59	343	1738.076	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	734	193.162	ug/l #	1
13) Acrolein	2.17	56	662	3213.597	ug/l #	57
14) Allyl chloride	2.23	41	558	162.250	ug/l #	31
15) Acrylonitrile	3.21	53	803	1442.494	ug/l	90
16) Acetone	2.36	43	719	927.173	ug/l	90
17) Carbon Disulfide	1.93	76	717	63.661	ug/l #	15
18) Methyl Acetate	2.50	43	422	346.296	ug/l	94
19) Methyl tert-butyl Ether	2.62	73	1056	155.455	ug/l	97
20) Methylene Chloride	2.34	84	299	76.923	ug/l #	29
21) trans-1,2-Dichloroethene	2.44	96	1511	406.826	ug/l #	6
22) Diisopropyl ether	2.97	45	399	47.040	ug/l #	1
23) Vinyl Acetate	3.37	43	641	112.026	ug/l #	73
24) 1,1-Dichloroethane	3.06	63	332	53.354	ug/l #	1
25) 2-Butanone	4.46	43	1113	671.777	ug/l	99
26) 2,2-Dichloropropane	3.66	77	1165	327.217	ug/l	82
27) cis-1,2-Dichloroethene	3.60	96	820	134.220	ug/l	1
28) Bromochloromethane	3.79	49	149	42.695	ug/l	90
29) Tetrahydrofuran	4.08	42	529	789.023	ug/l	99
30) Chloroform	4.15	83	234	27.085	ug/l	90
31) Cyclohexane	3.88	56	315	37.702	ug/l #	6
32) 1,1,1-Trichloroethane	4.32	97	210	36.600	ug/l #	1
36) 1,1-Dichloropropene	4.52	75	902	194.749	ug/l #	64
37) Ethyl Acetate	4.35	43	1100	581.675	ug/l #	30
38) Carbon Tetrachloride	4.24	117	93	26.699	ug/l #	71

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	108	19.379	ug/l	94
40) Benzene	4.78	78	1018	80.680	ug/l	98
41) Methacrylonitrile	4.95	41	1691	1705.588	ug/l #	63
42) 1,2-Dichloroethane	5.21	62	248	98.562	ug/l	71
43) Isopropyl Acetate	7.17	43	349	142.450	ug/l #	73
44) Trichloroethene	5.73	130	98	27.635	ug/l	84
45) 1,2-Dichloropropane	6.47	63	83	26.058	ug/l #	1
46) Dibromomethane	6.30	93	216	117.341	ug/l #	3
47) Bromodichloromethane	6.58	83	238	62.279	ug/l #	84
48) Methyl methacrylate	6.93	41	676	527.893	ug/l #	49
49) 1,4-Dioxane	6.96	88	67	4085.028	ug/l #	1
51) 4-Methyl-2-Pentanone	8.47	43	965	576.238	ug/l	91
52) Toluene	7.85	92	428	64.679	ug/l #	1
53) t-1,3-Dichloropropene	8.50	75	299	95.636	ug/l #	1
54) cis-1,3-Dichloropropene	7.53	75	255	58.266	ug/l #	1
55) 1,1,2-Trichloroethane	8.69	97	777	396.570	ug/l #	62
56) Ethyl methacrylate	8.83	69	694	297.310	ug/l #	17
57) 1,3-Dichloropropane	9.06	76	161	48.243	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.50	63	131	172.413	ug/l #	51
59) 2-Hexanone	9.66	43	516	490.756	ug/l	98
60) Dibromochloromethane	8.91	129	266	104.167	ug/l #	12
61) 1,2-Dibromoethane	9.22	107	84	40.364	ug/l #	3
64) Tetrachloroethene	8.30	164	63	18.115	ug/l #	1
65) Chlorobenzene	9.92	112	137	15.889	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	118	34.090	ug/l	90
67) Ethyl Benzene	10.04	91	799	53.342	ug/l #	42
68) m/p-Xylenes	10.43	106	86	15.276	ug/l	91
69) o-Xylene	10.78	106	222	38.285	ug/l	55
70) Styrene	10.87	104	191	21.671	ug/l #	1
71) Bromoform	10.86	173	346	199.583	ug/l #	27
73) Isopropylbenzene	11.34	105	393	12.105	ug/l	96
74) N-amyl acetate	11.47	43	1181	154.210	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.82	83	952	143.479	ug/l #	85
76) 1,2,3-Trichloropropane	11.89	75	148	33.947	ug/l #	1
77) Bromobenzene	11.58	156	587	72.735	ug/l #	10
78) n-propylbenzene	11.68	91	1457	37.919	ug/l #	50
79) 2-Chlorotoluene	11.89	91	428	19.765	ug/l	85
80) 1,3,5-Trimethylbenzene	11.89	105	2511	96.452	ug/l	70
81) trans-1,4-Dichloro-2-buten	11.93	75	224	115.588	ug/l #	20
82) 4-Chlorotoluene	11.89	91	428	20.043	ug/l	88
83) tert-Butylbenzene	12.15	119	881	33.355	ug/l	80
84) 1,2,4-Trimethylbenzene	12.27	105	5025	199.427	ug/l	91
85) sec-Butylbenzene	12.37	105	3266	92.140	ug/l	96
86) p-Isopropyltoluene	12.51	119	1270	42.514	ug/l #	68
87) 1,3-Dichlorobenzene	12.57	146	237	16.232	ug/l #	48
88) 1,4-Dichlorobenzene	12.61	146	111	8.101	ug/l #	2
89) n-Butylbenzene	12.88	91	694	23.563	ug/l #	24
90) Hexachloroethane	12.98	117	568	79.263	ug/l #	20
91) 1,2-Dichlorobenzene	13.01	146	218	16.750	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.66	75	697	880.556	ug/l #	1

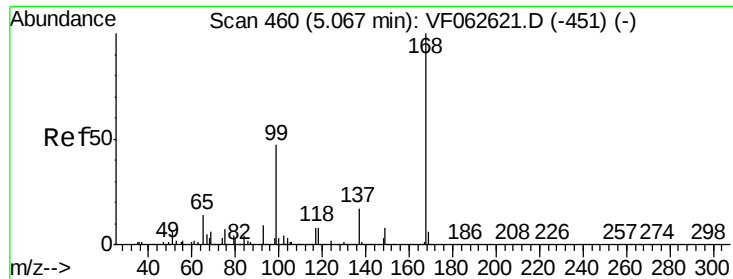
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	61	6.548	ug/l #	11
94) Hexachlorobutadiene	14.25	225	105	16.150	ug/l #	16
95) Naphthalene	14.52	128	399	23.575	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	67	7.593	ug/l #	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

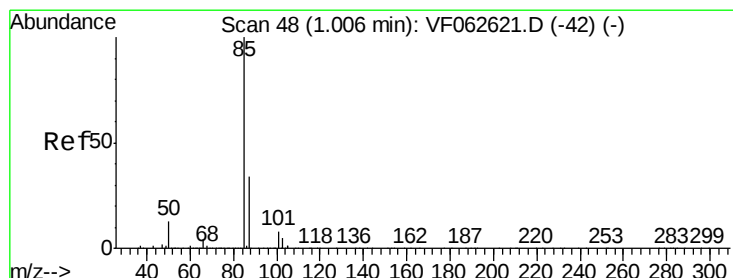
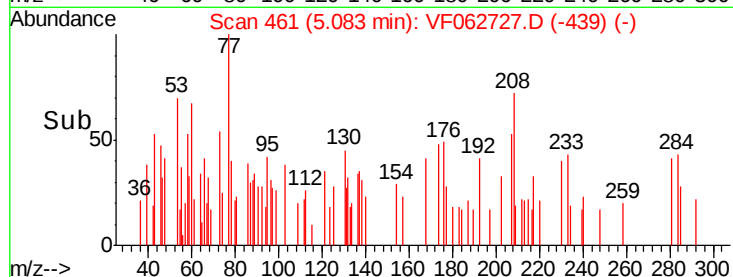
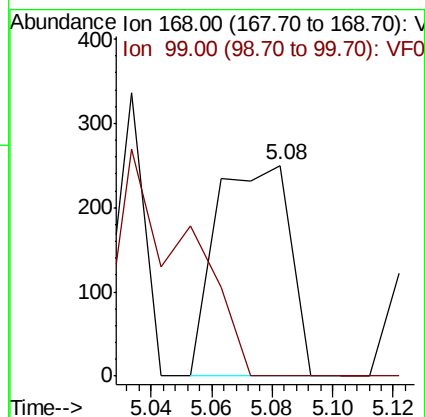
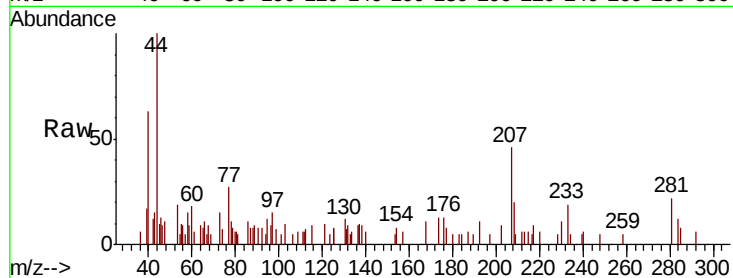
Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 423
Ion Ratio Lower Upper
168 100
99 0.0 37.8 56.8#



#2

Dichlorodifluoromethane

Concen: 10.597 ug/l

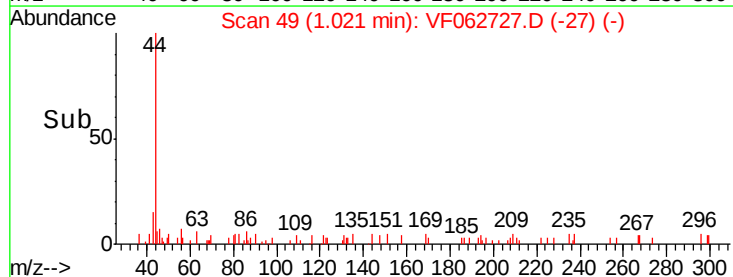
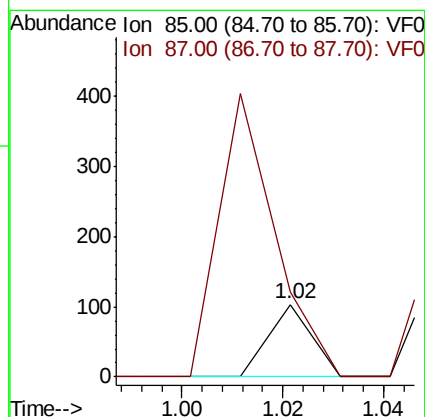
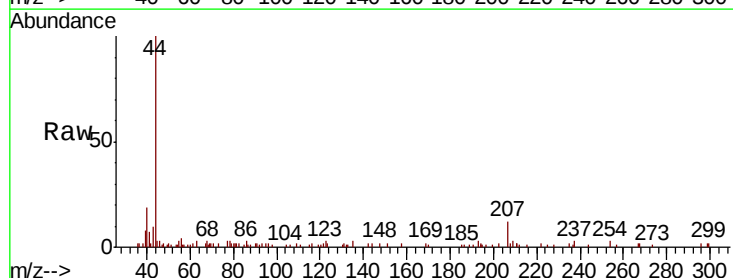
RT: 1.02 min Scan# 49

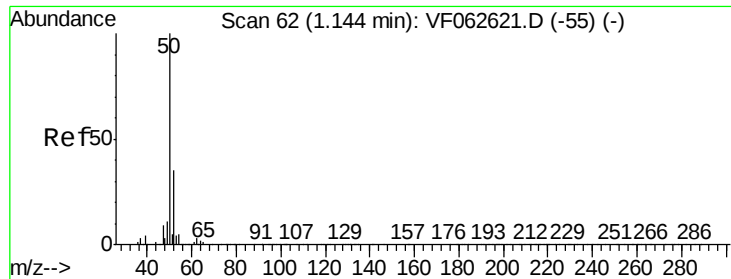
Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 117.5 16.8 50.3#





#3

Chloromethane

Concen: 84.145 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.11 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

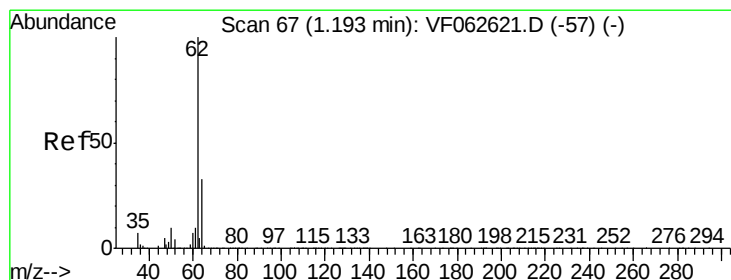
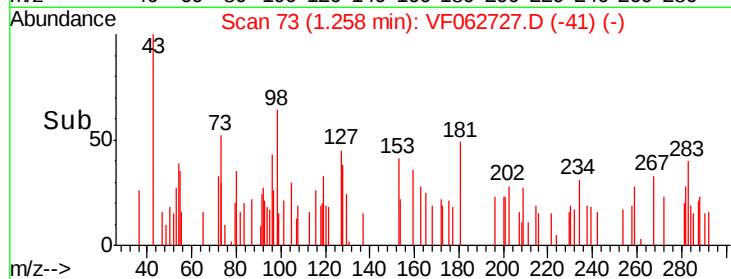
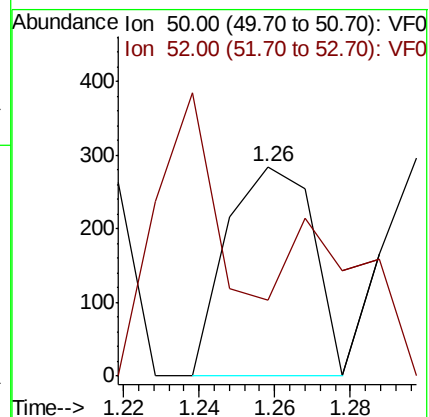
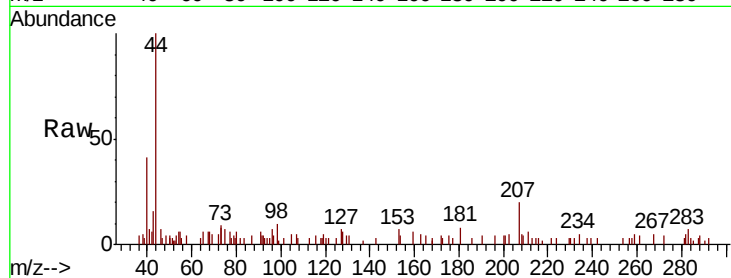
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 446

Ion Ratio Lower Upper

50 100

52 35.9 27.5 41.3



#4

Vinyl Chloride

Concen: 68.662 ug/l

RT: 1.05 min Scan# 52

Delta R.T. -0.14 min

Lab File: VF062727.D

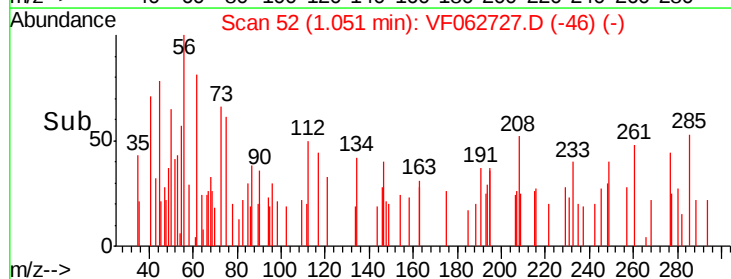
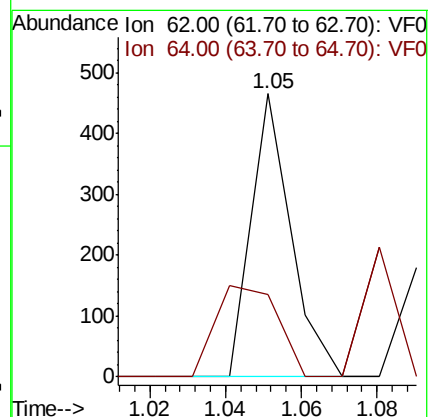
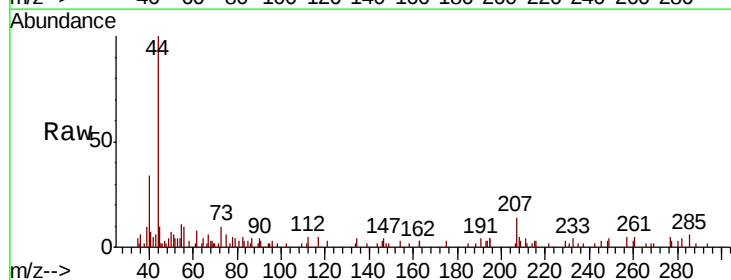
Acq: 23 May 2019 15:24

Tgt Ion: 62 Resp: 335

Ion Ratio Lower Upper

62 100

64 29.0 26.7 40.1





#5

Bromomethane

Concen: 241.280 ug/l

RT: 1.43 min Scan# 90

Delta R.T. 0.03 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

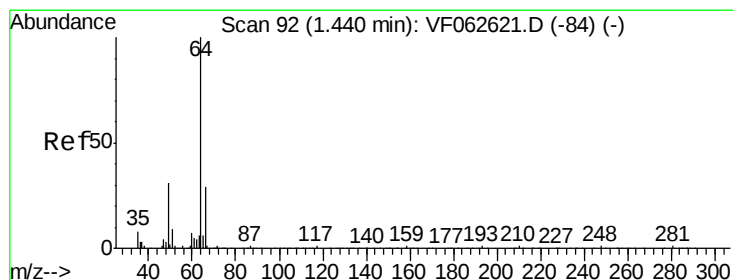
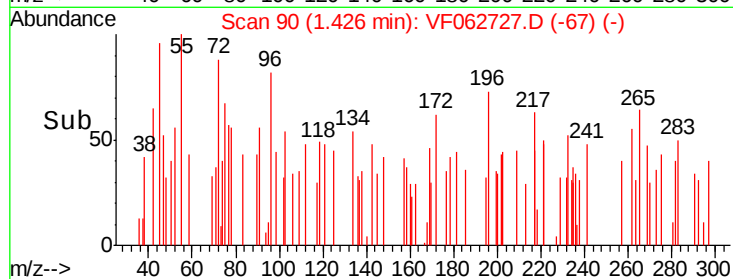
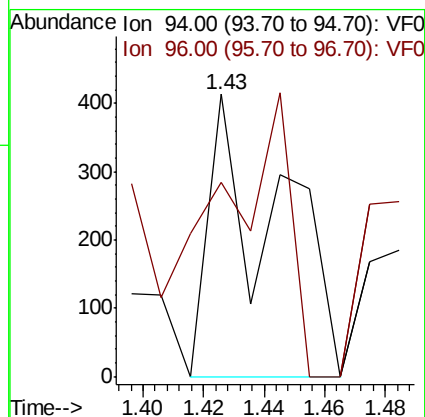
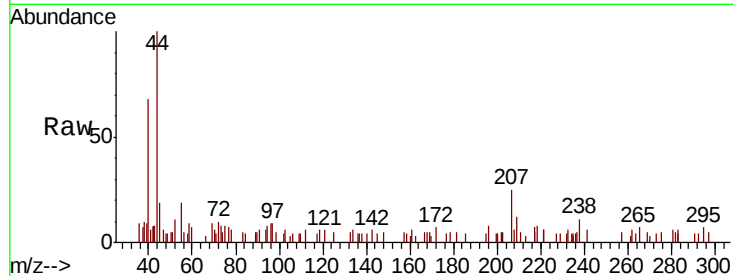
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 644

Ion Ratio Lower Upper

94 100

96 69.0 73.2 109.8#



#6

Chloroethane

Concen: 152.912 ug/l

RT: 1.45 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062727.D

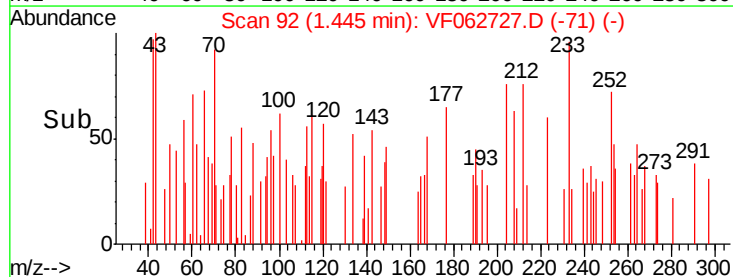
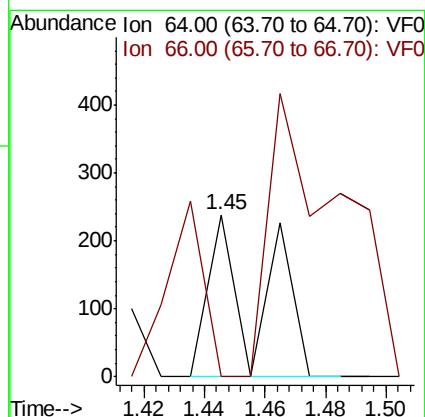
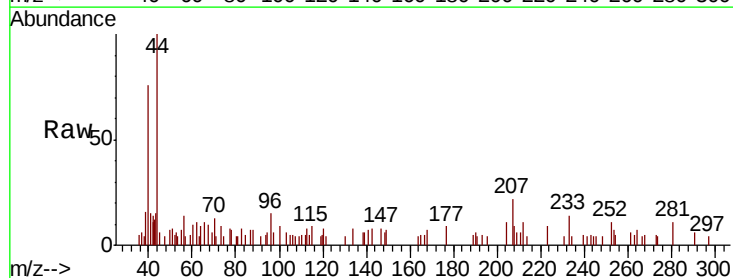
Acq: 23 May 2019 15:24

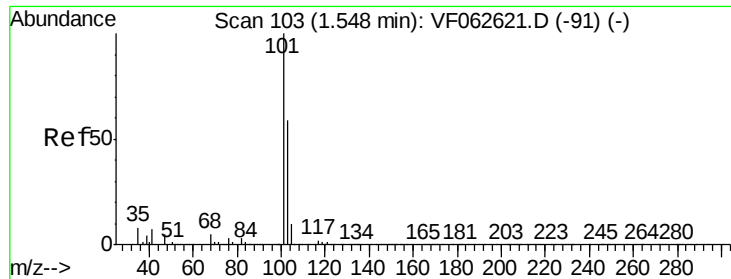
Tgt Ion: 64 Resp: 274

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



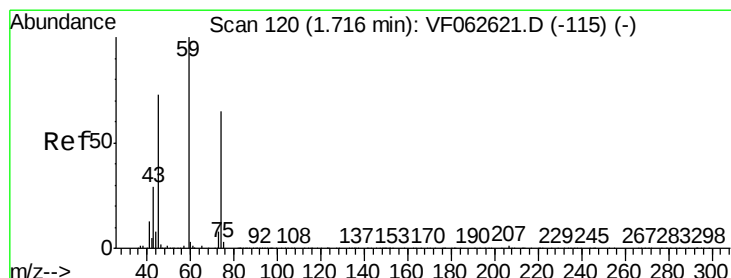
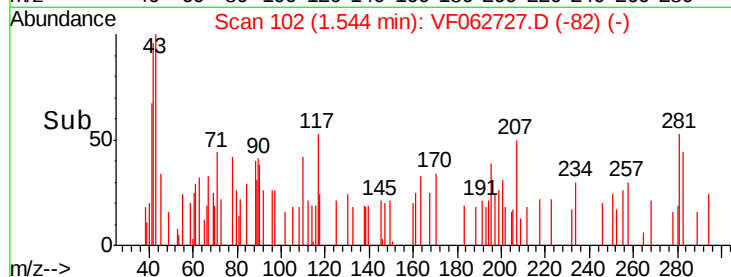
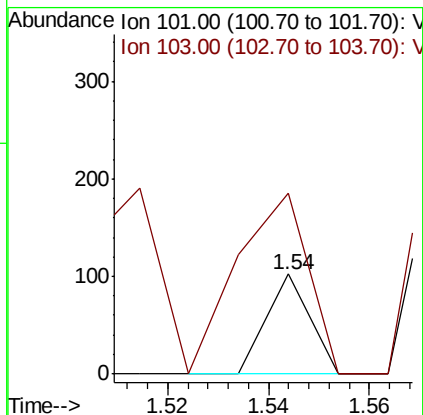
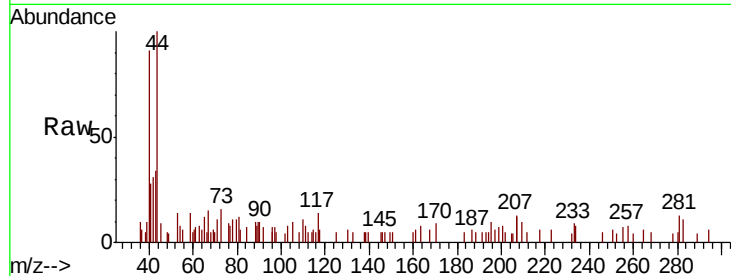


#7

Trichlorofluoromethane
 Concen: 9.159 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Instrument :
 MSVOA_F
 ClientSampled :

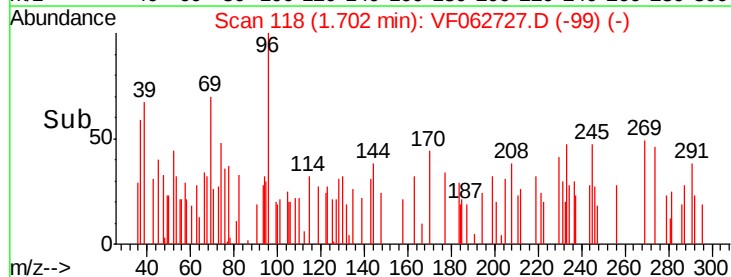
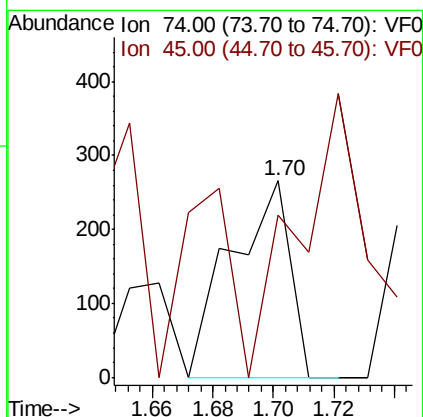
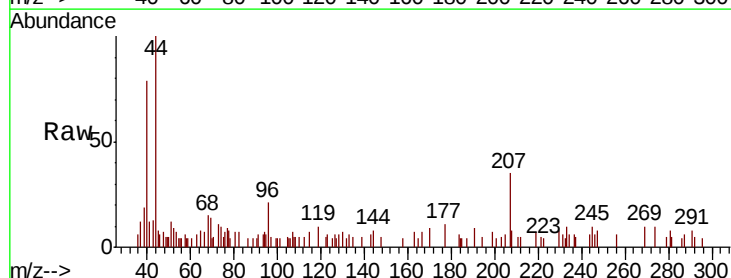
Tot Ion:101 Resp: 60
 Ion Ratio Lower Upper
 101 100
 103 181.4 47.3 70.9#

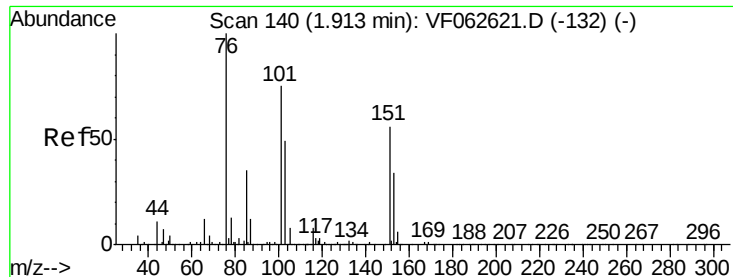


#8

Diethyl Ether
 Concen: 276.620 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion: 74 Resp: 359
 Ion Ratio Lower Upper
 74 100
 45 82.7 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.213 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062727.D

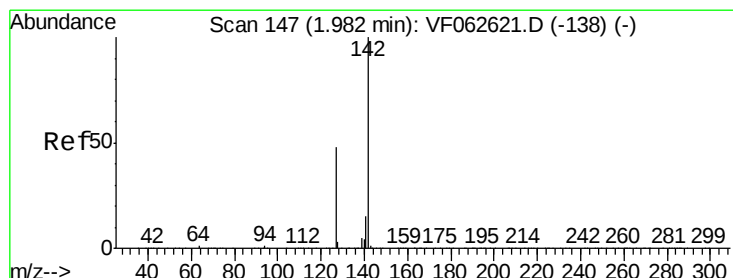
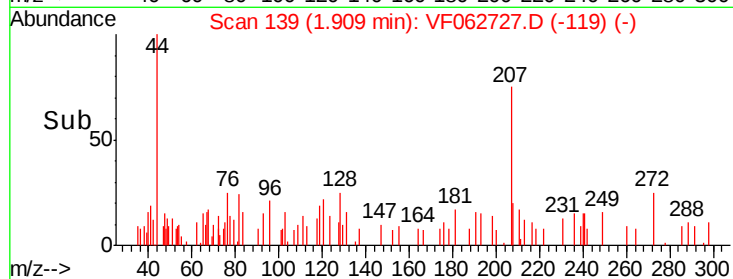
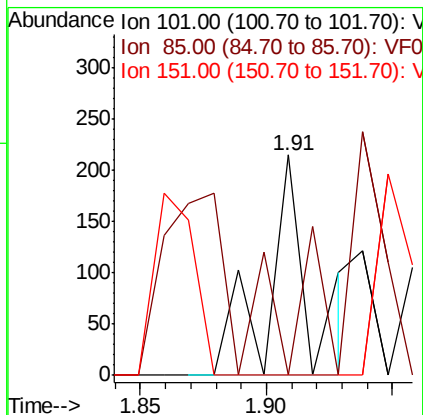
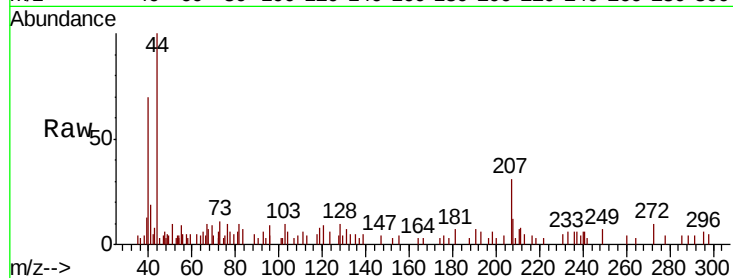
Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	101	Resp:	247
Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.1	55.7#
151	0.0	58.8	88.2#



#10

Methyl Iodide

Concen: 23.797 ug/l

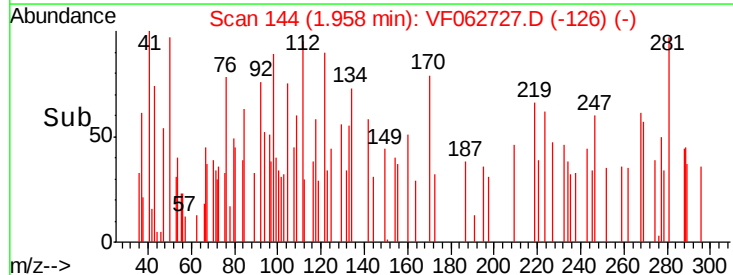
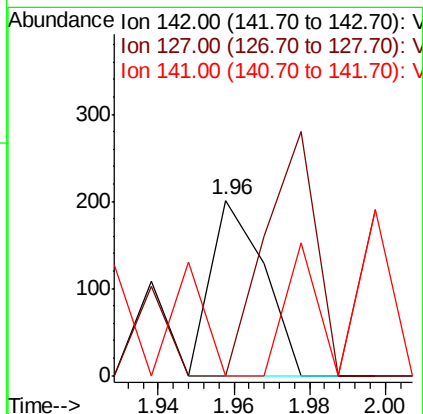
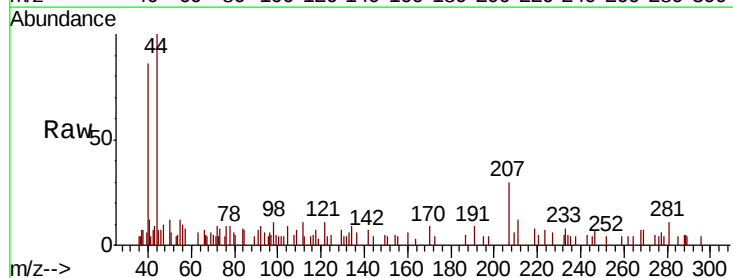
RT: 1.96 min Scan# 144

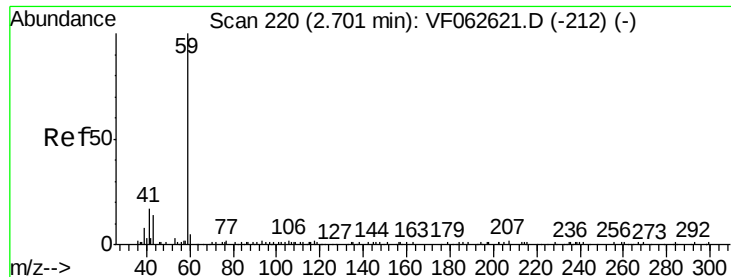
Delta R.T. -0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	142	Resp:	195
Ion	Ratio	Lower	Upper
142	100		
127	0.0	38.1	57.1#
141	0.0	11.7	17.5#

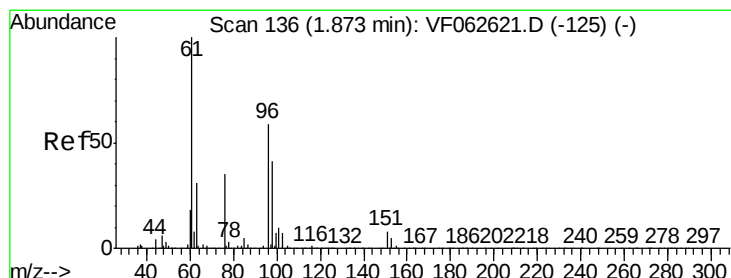
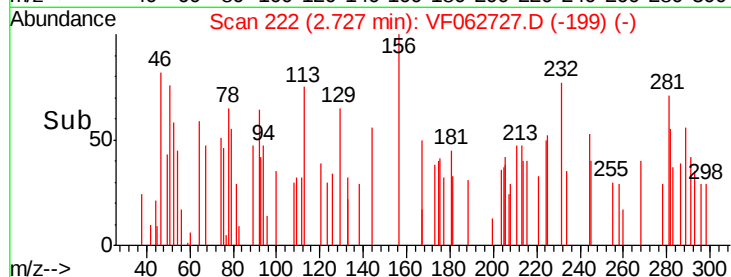
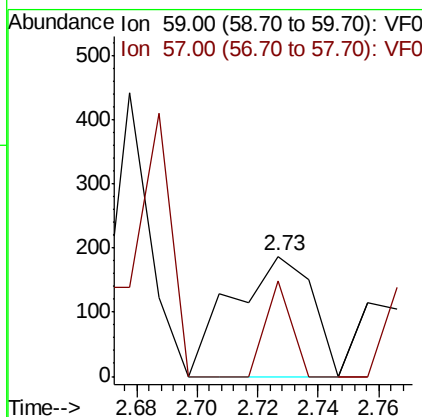
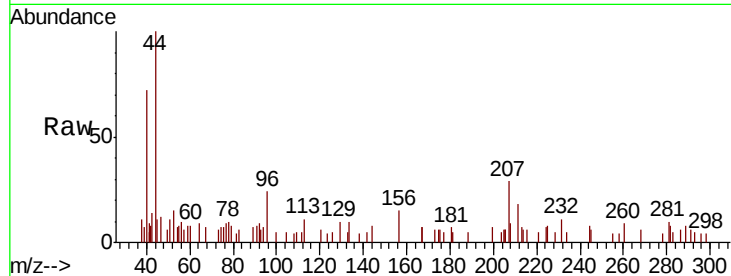




#11
Tert butyl alcohol
Concen: 1738.076 ug/l
RT: 2.73 min Scan# 222
Delta R.T. 0.03 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

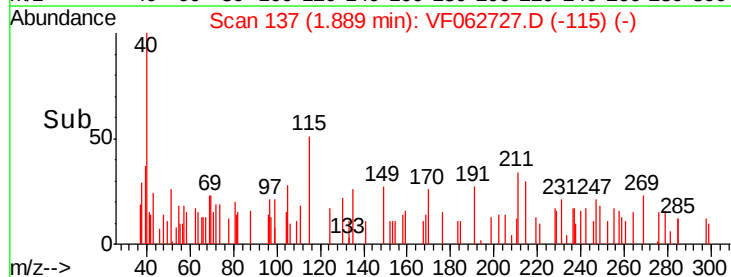
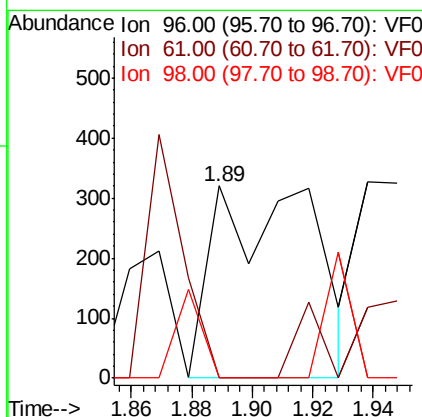
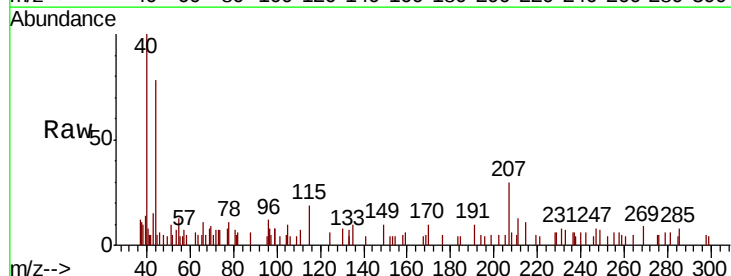
Instrument :
MSVOA_F
ClientSampled :

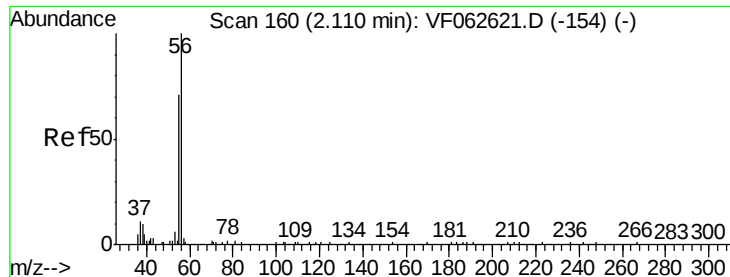
Tot Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 79.1 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 193.162 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion: 96 Resp: 734
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 0.0 55.0 82.6#

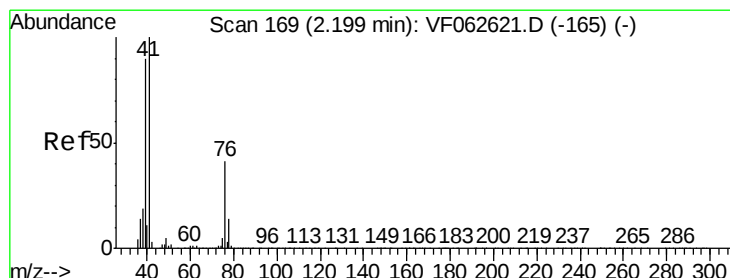
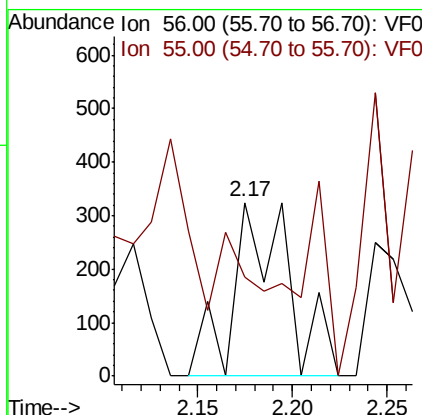
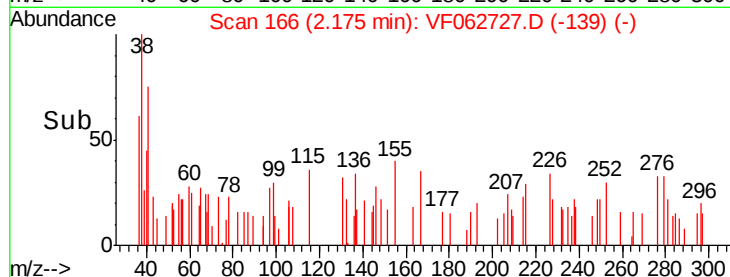
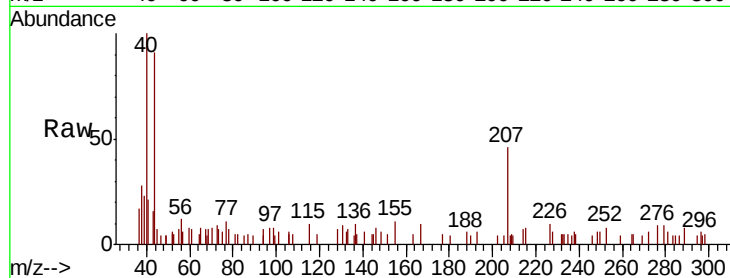




#13
Acrolein
Concen: 3213.597 ug/l
RT: 2.17 min Scan# 166
Delta R.T. 0.06 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

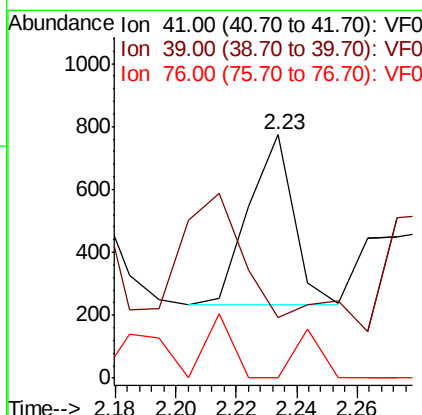
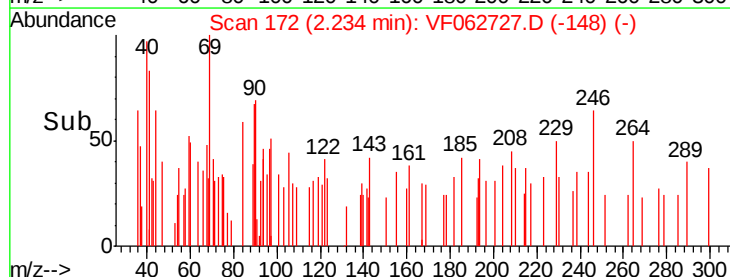
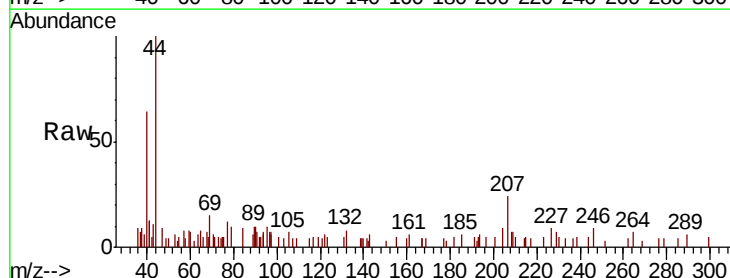
Instrument :
MSVOA_F
ClientSampleId :

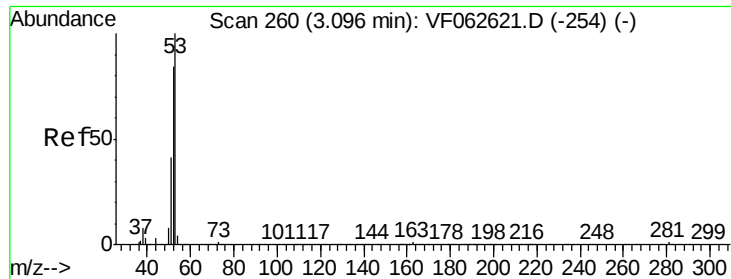
Tot Ion: 56 Resp: 662
Ion Ratio Lower Upper
56 100
55 37.8 59.4 89.0#



#14
Allyl chloride
Concen: 162.250 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.04 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion: 41 Resp: 558
Ion Ratio Lower Upper
41 100
39 24.8 72.0 108.0#
76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 1442.494 ug/l

RT: 3.21 min Scan# 271

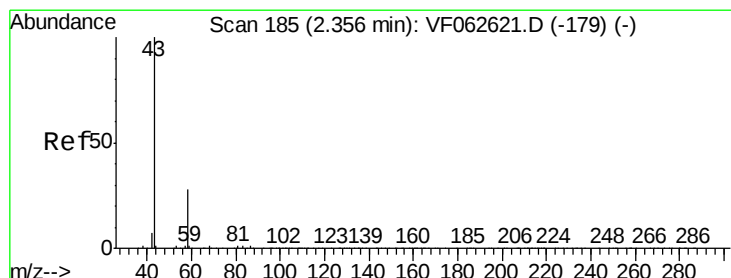
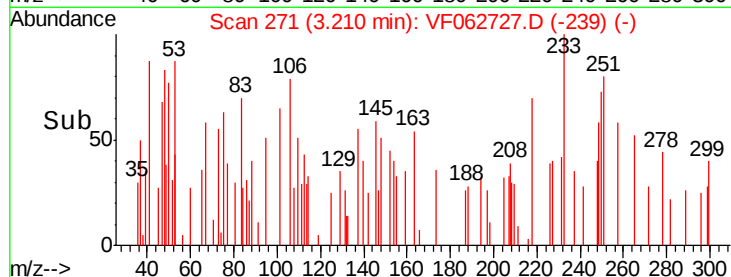
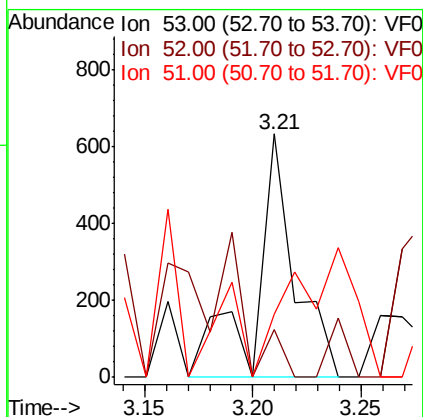
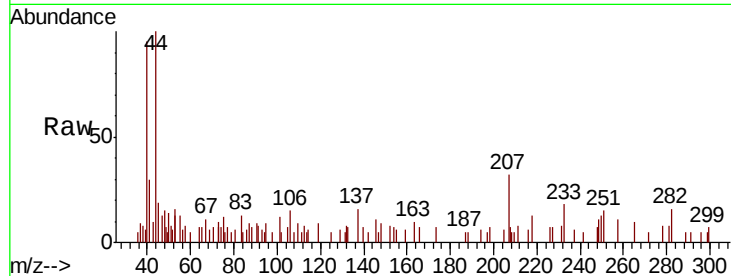
Delta R.T. 0.11 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	803
Ion	Ratio	Lower	Upper
53	100		
52	74.0	67.3	100.9
51	45.4	33.0	49.6



#16

Acetone

Concen: 927.173 ug/l

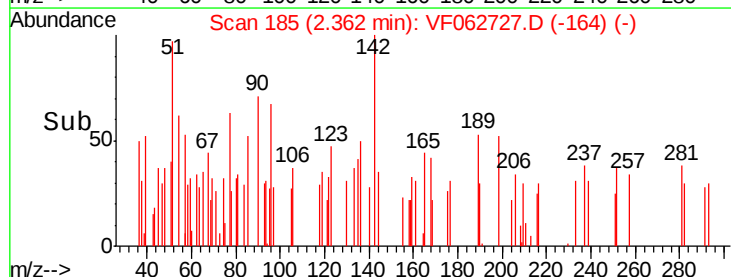
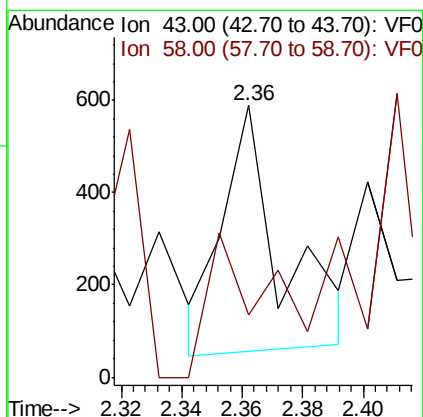
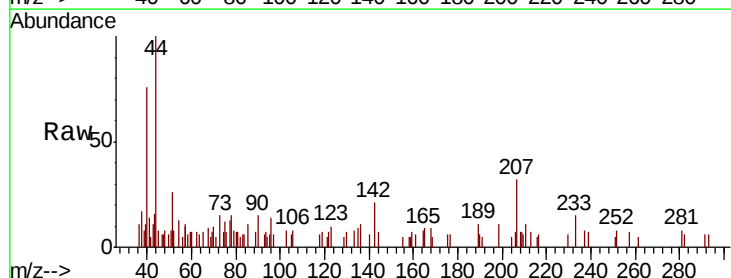
RT: 2.36 min Scan# 185

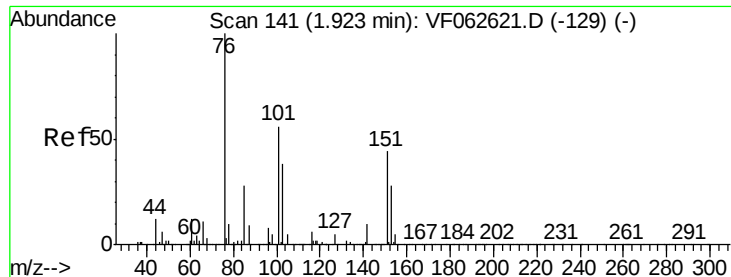
Delta R.T. 0.01 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	43	Resp:	719
Ion	Ratio	Lower	Upper
43	100		
58	22.9	22.6	33.8





#17

Carbon Disulfide

Concen: 63.661 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

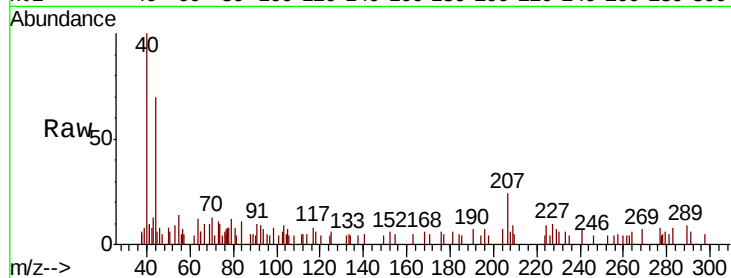
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 717

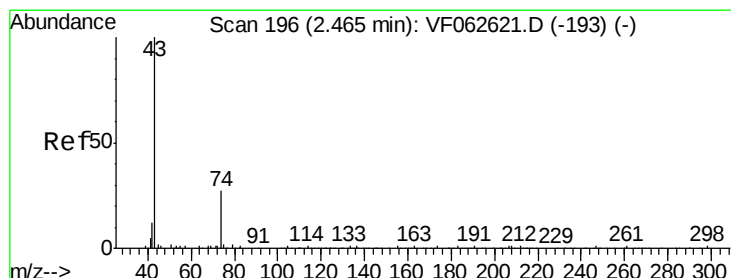
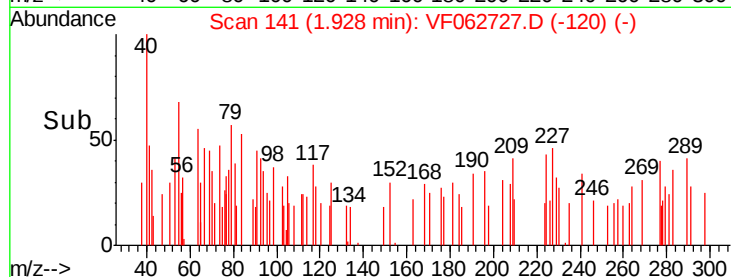
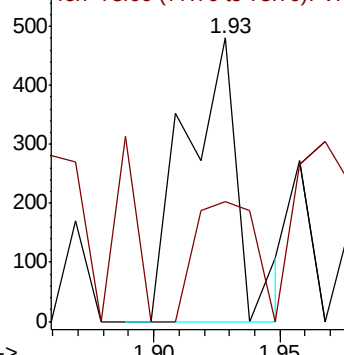
Ion Ratio Lower Upper

76 100

78 42.5 8.4 12.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 346.296 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.04 min

Lab File: VF062727.D

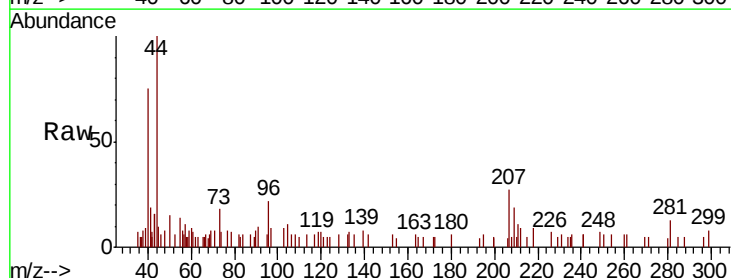
Acq: 23 May 2019 15:24

Tgt Ion: 43 Resp: 422

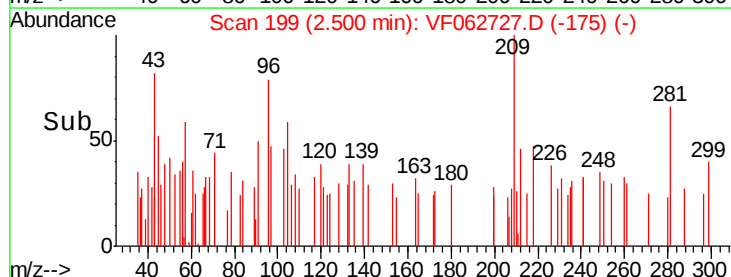
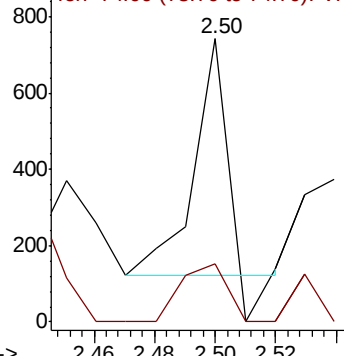
Ion Ratio Lower Upper

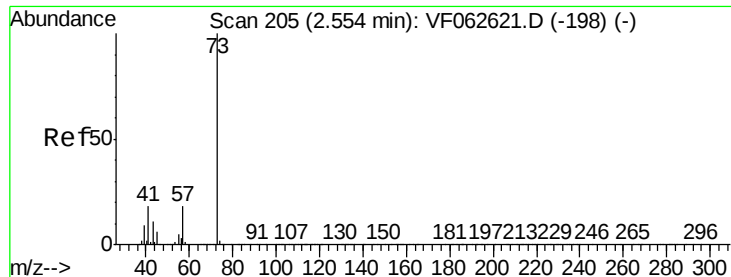
43 100

74 20.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 155.455 ug/l

RT: 2.62 min Scan# 211

Delta R.T. 0.06 min

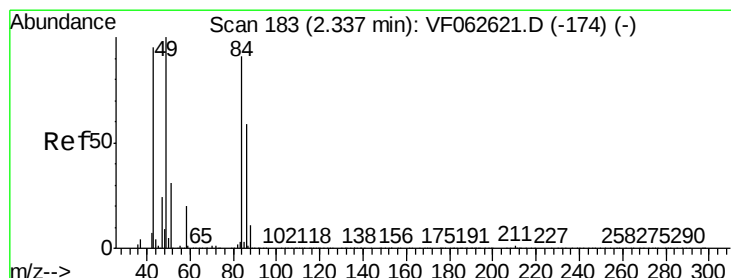
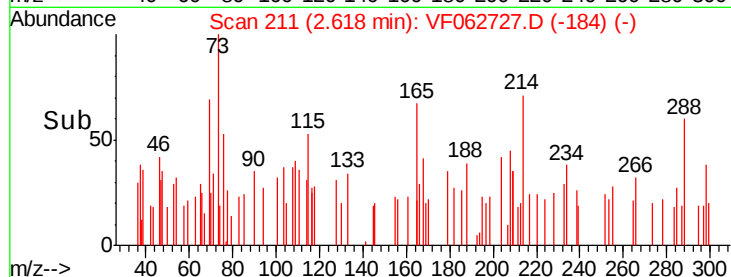
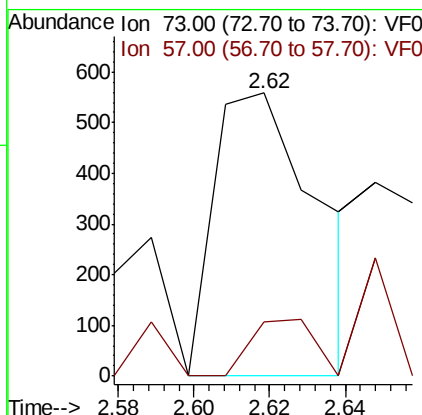
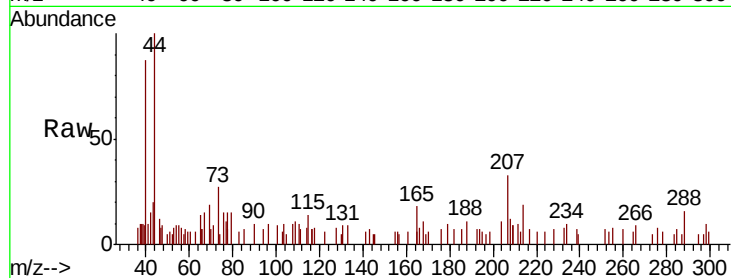
Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 73 Resp: 1056

Ion	Ratio	Lower	Upper
73	100		
57	19.2	14.2	21.4



#20

Methylene Chloride

Concen: 76.923 ug/l

RT: 2.34 min Scan# 183

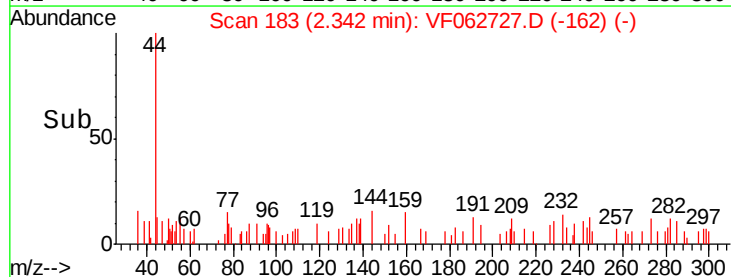
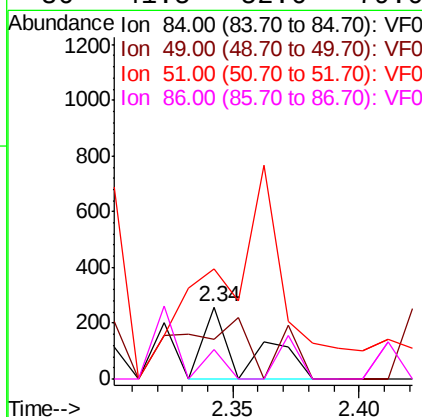
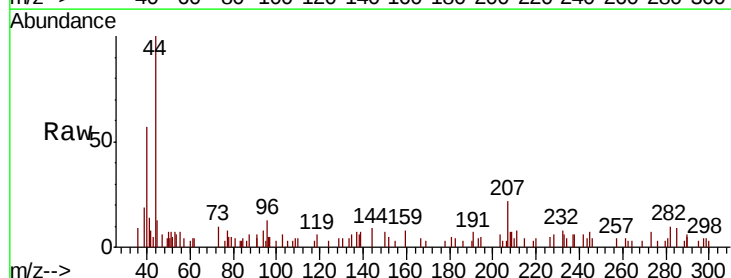
Delta R.T. 0.01 min

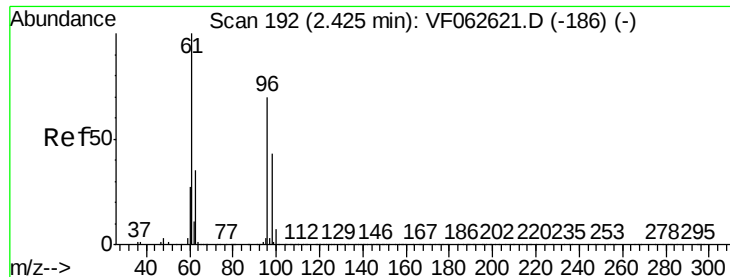
Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion: 84 Resp: 299

Ion	Ratio	Lower	Upper
84	100		
49	55.4	89.8	134.8#
51	153.5	28.4	42.6#
86	41.5	52.6	79.0#





#21

trans-1,2-Dichloroethene

Concen: 406.826 ug/l

RT: 2.44 min Scan# 193

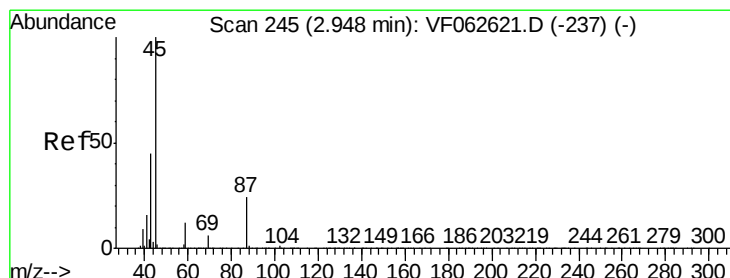
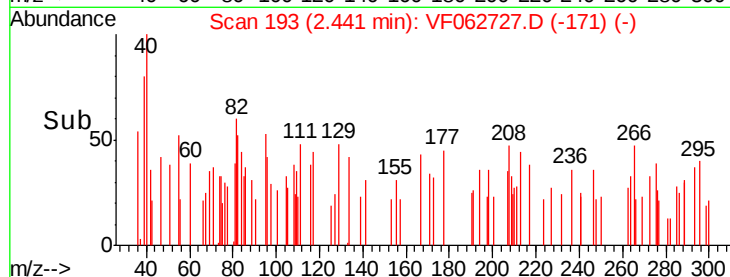
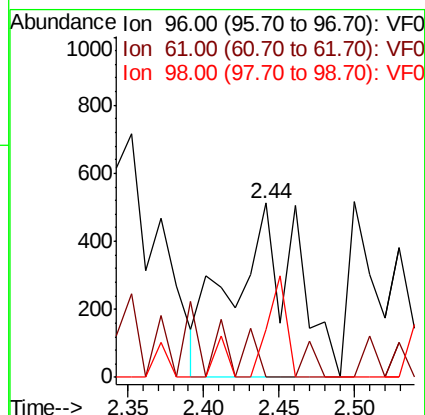
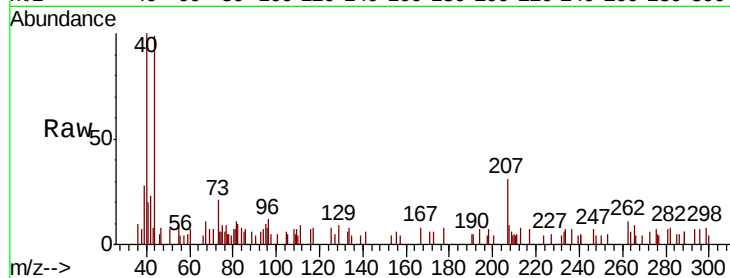
Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	1511
Ion	Ratio	Lower	Upper
96	100		
61	0.0	114.6	171.8#
98	27.7	49.5	74.3#



#22

Diisopropyl ether

Concen: 47.040 ug/l

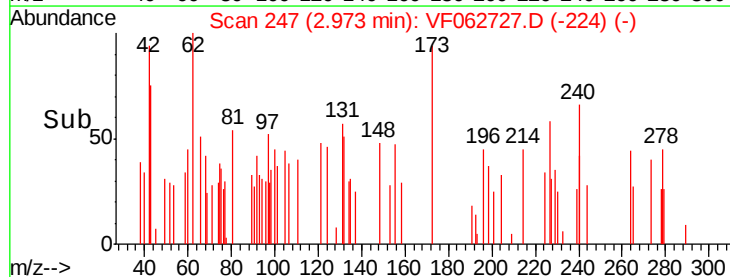
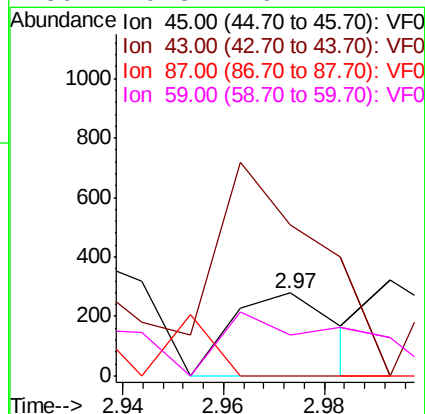
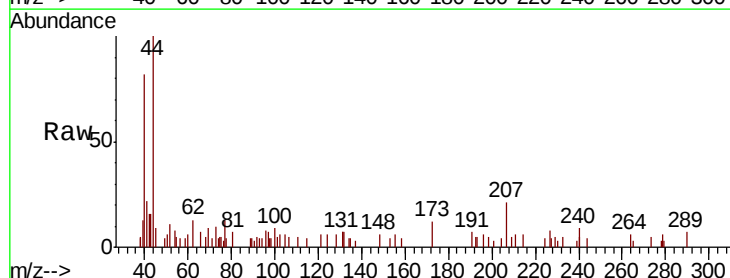
RT: 2.97 min Scan# 247

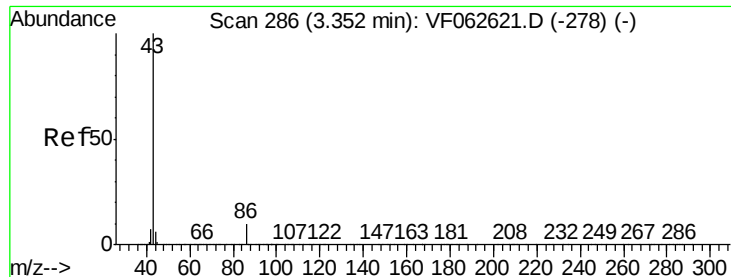
Delta R.T. 0.03 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	45	Resp:	399
Ion	Ratio	Lower	Upper
45	100		
43	182.4	36.4	54.6#
87	0.0	19.3	28.9#
59	49.8	9.4	14.2#





#23

Vinyl Acetate

Concen: 112.026 ug/l

RT: 3.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

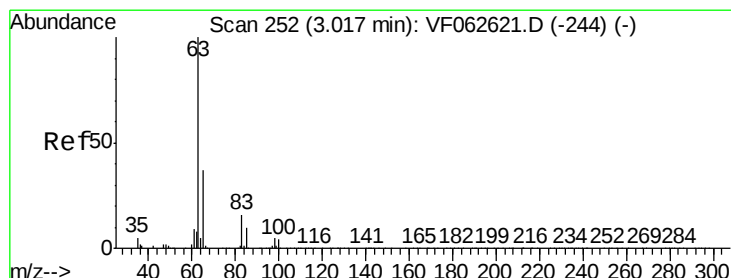
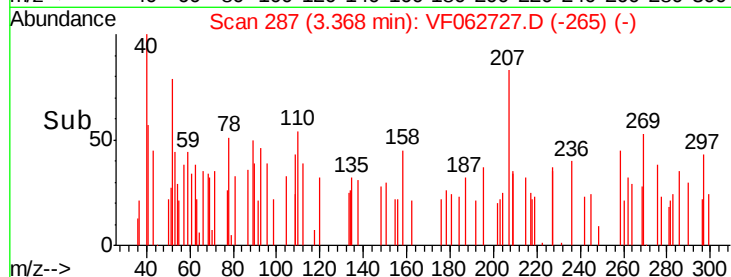
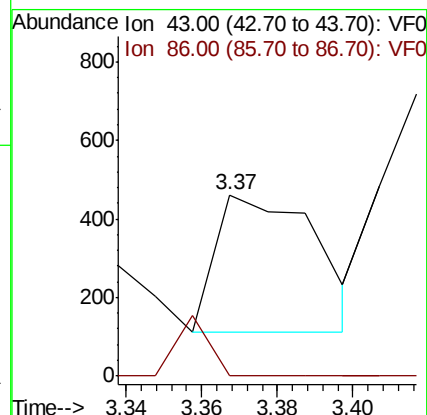
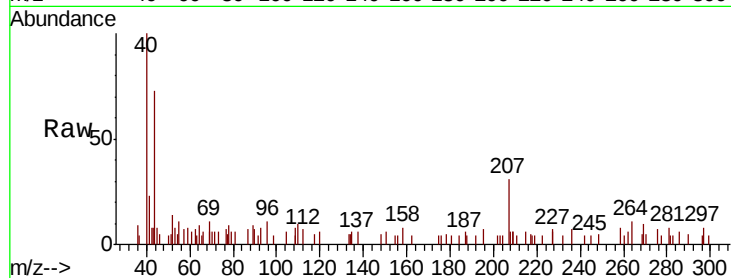
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 53.354 ug/l

RT: 3.06 min Scan# 256

Delta R.T. 0.05 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

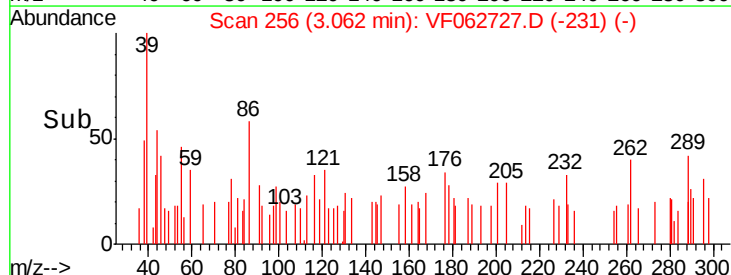
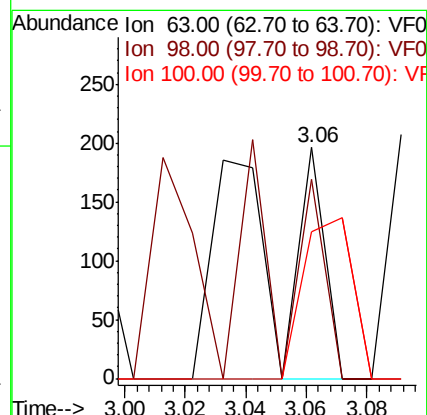
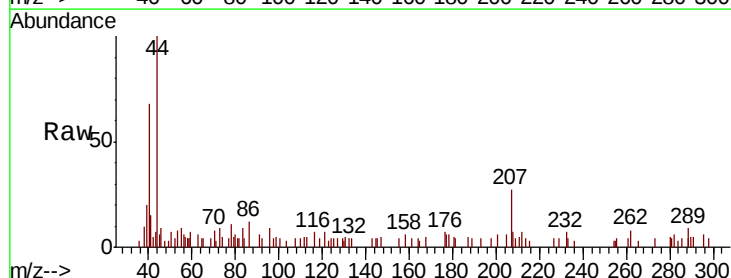
Tgt Ion: 63 Resp: 332

Ion Ratio Lower Upper

63 100

98 86.2 2.8 8.3#

100 63.8 1.9 5.7#





#25

2-Butanone

Concen: 671.777 ug/l

RT: 4.46 min Scan# 398

Delta R.T. -0.07 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

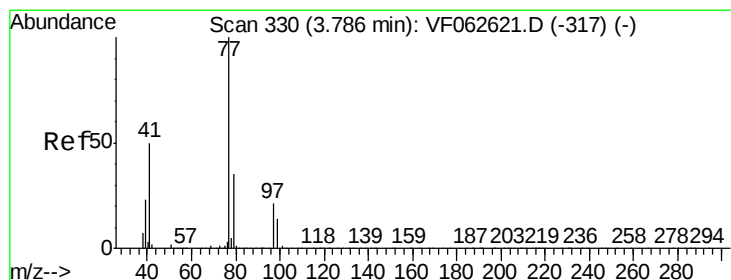
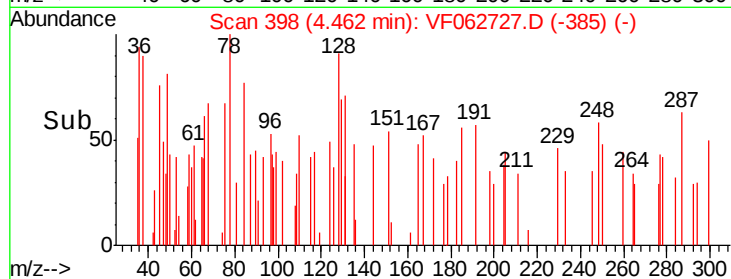
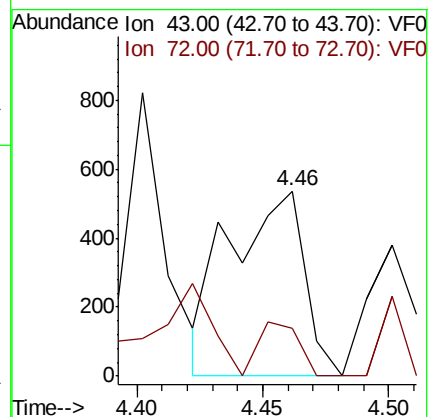
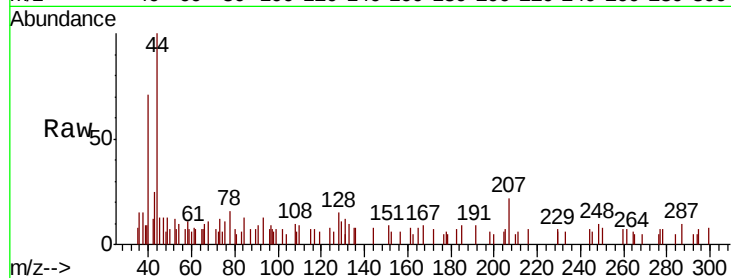
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1113

Ion Ratio Lower Upper

43 100

72 25.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 327.217 ug/l

RT: 3.66 min Scan# 317

Delta R.T. -0.12 min

Lab File: VF062727.D

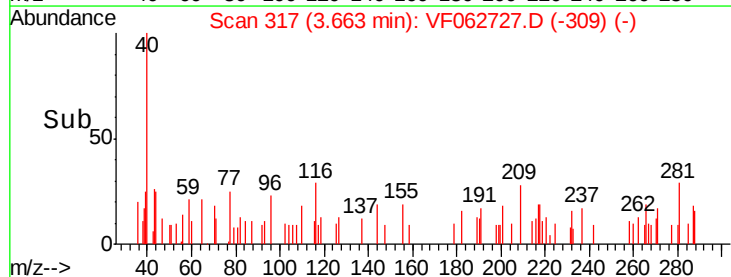
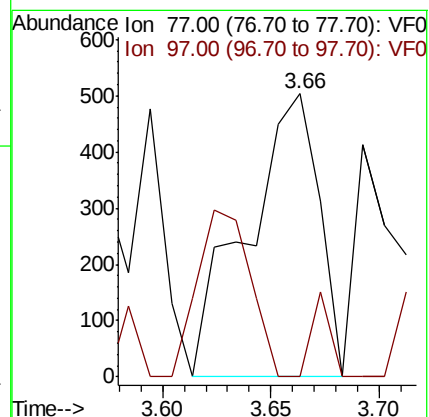
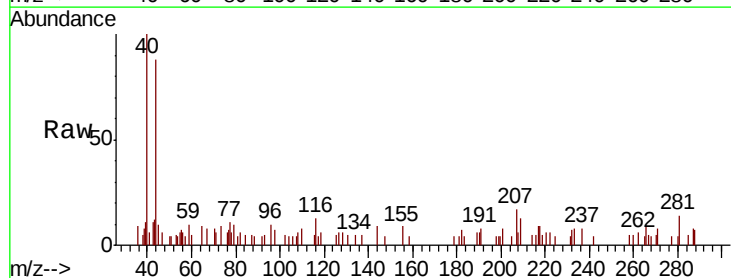
Acq: 23 May 2019 15:24

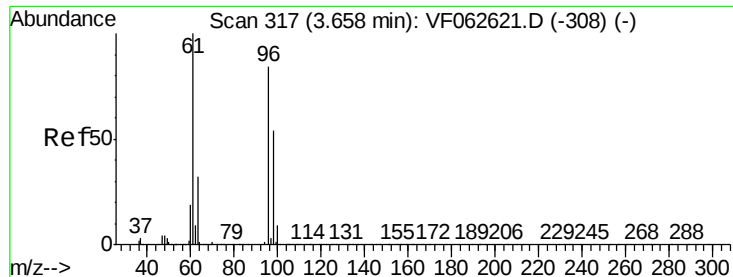
Tgt Ion: 77 Resp: 1165

Ion Ratio Lower Upper

77 100

97 37.6 14.1 42.4



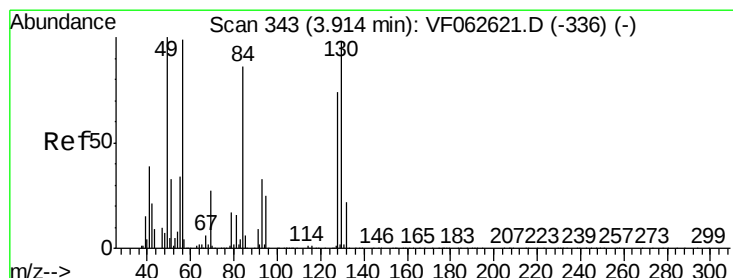
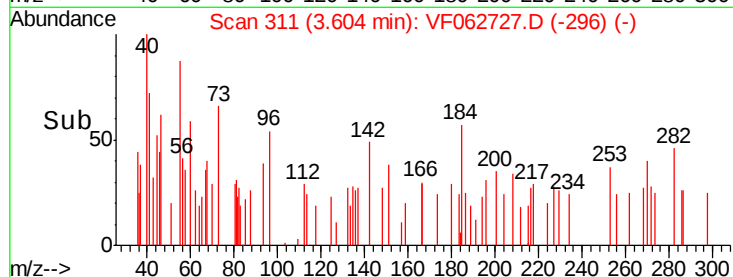
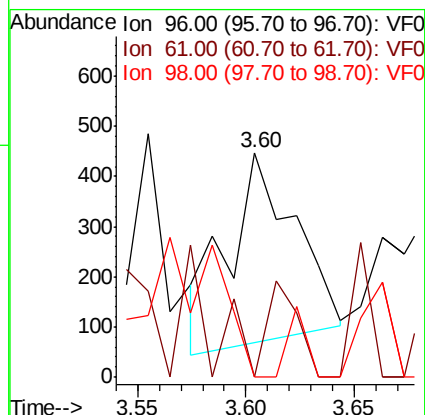
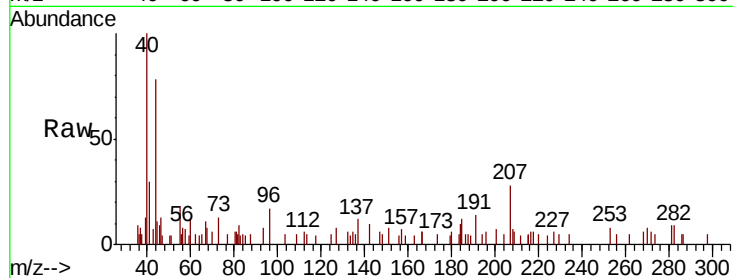


#27

cis-1,2-Dichloroethene
 Concen: 134.220 ug/l
 RT: 3.60 min Scan# 311
 Delta R.T. -0.05 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Instrument :
 MSVOA_F
 ClientSampled :

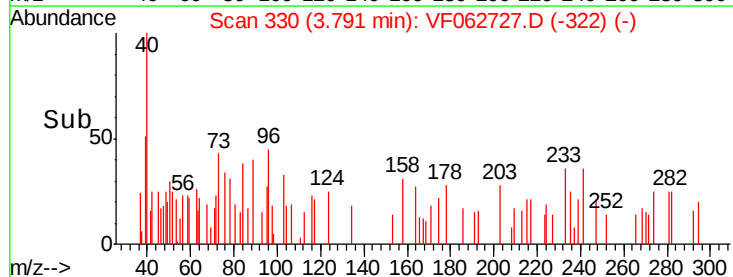
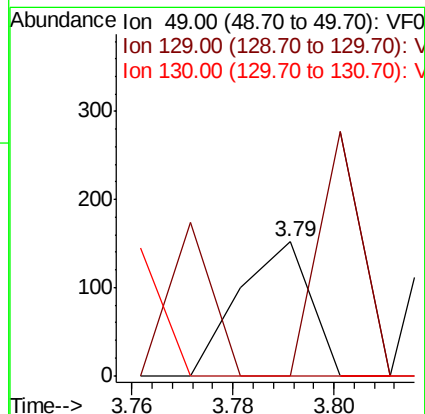
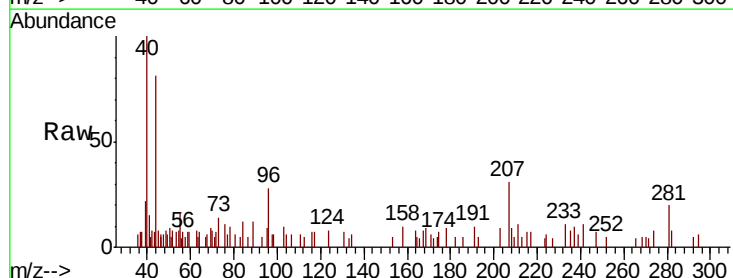
Tot Ion:	96	Resp:	820
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	237.4
98	0.0	0.0	129.0

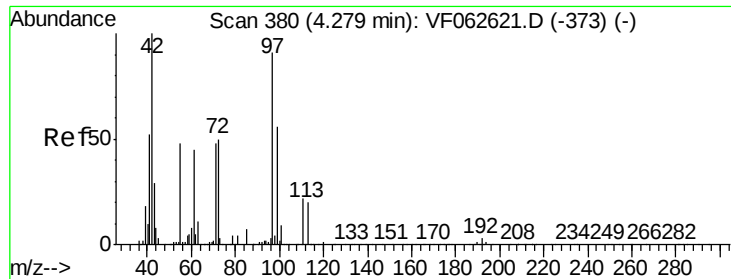


#28

Bromochloromethane
 Concen: 42.695 ug/l
 RT: 3.79 min Scan# 330
 Delta R.T. -0.12 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion:	49	Resp:	149
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	107.2	77.8	116.8





#29

Tetrahydrofuran

Concen: 789.023 ug/l

RT: 4.08 min Scan# 359

Delta R.T. -0.20 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

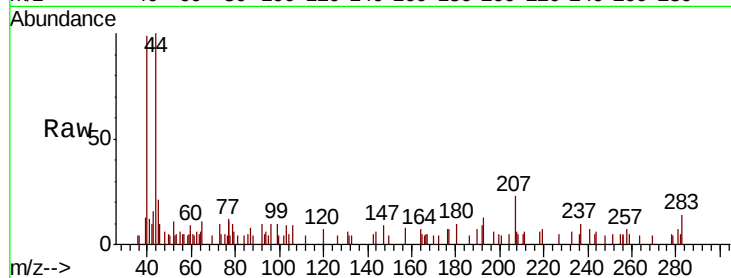
Tot Ion: 42 Resp: 529

Ion Ratio Lower Upper

42 100

72 47.8 38.2 57.2

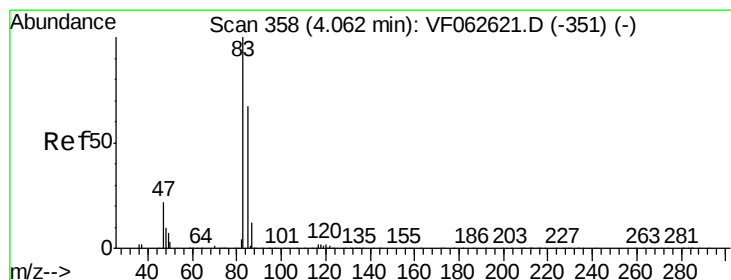
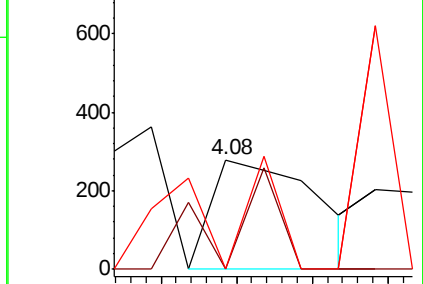
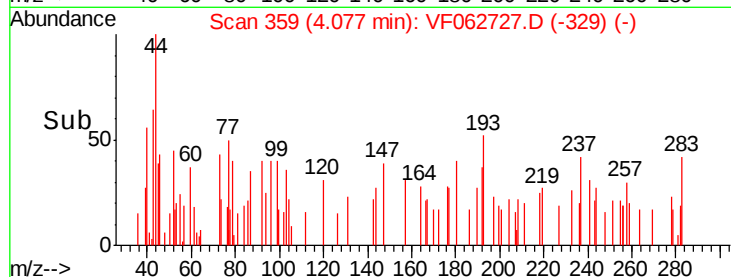
71 43.3 35.8 53.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 27.085 ug/l

RT: 4.15 min Scan# 366

Delta R.T. 0.08 min

Lab File: VF062727.D

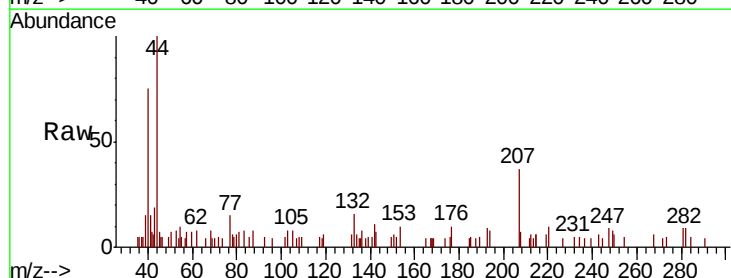
Acq: 23 May 2019 15:24

Tgt Ion: 83 Resp: 234

Ion Ratio Lower Upper

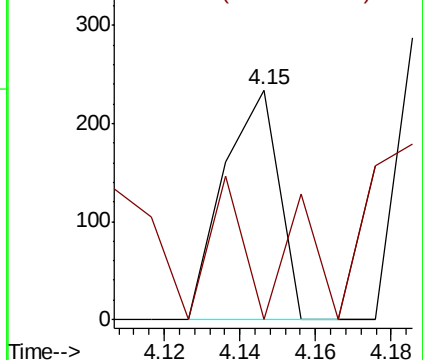
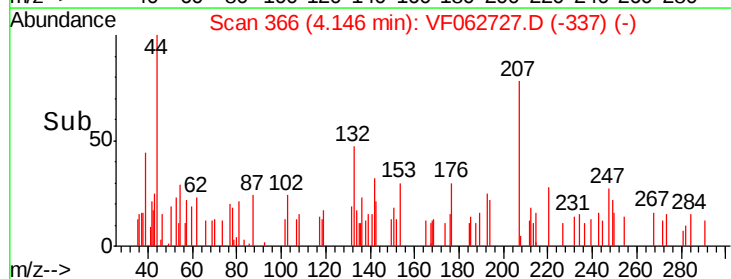
83 100

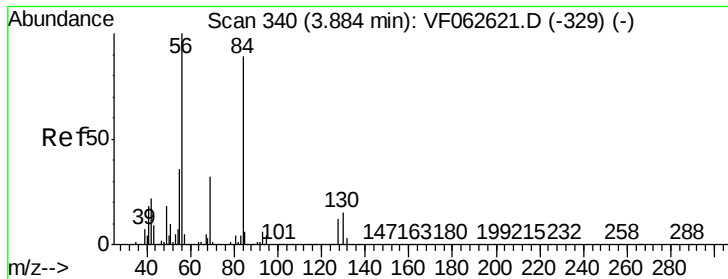
85 59.0 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 37.702 ug/l

RT: 3.88 min Scan# 339

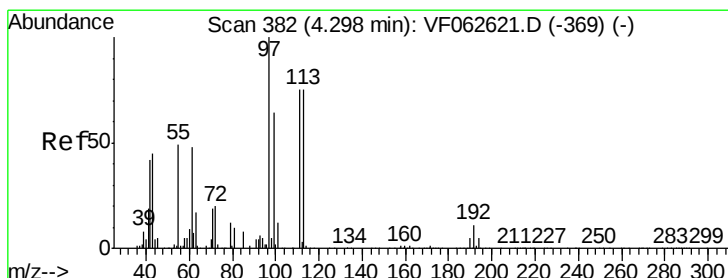
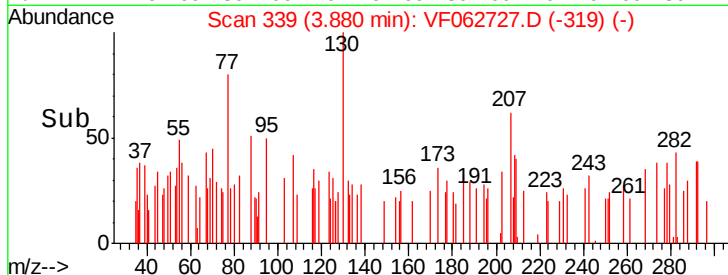
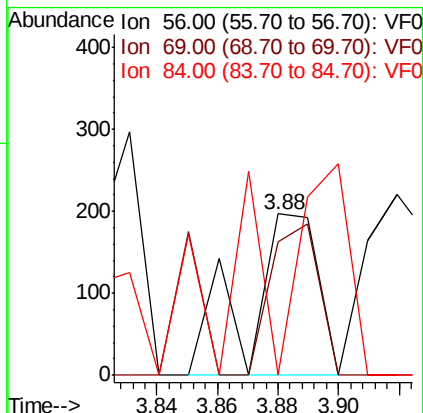
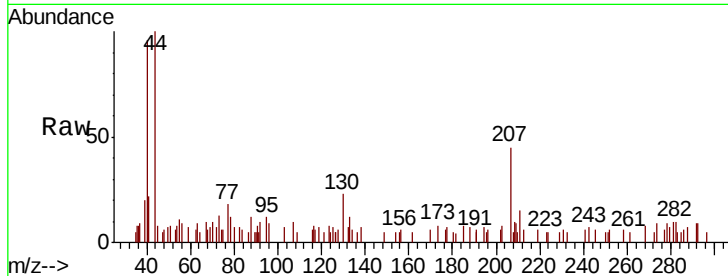
Delta R.T. -0.00 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	56	Resp:	315
Ion	Ratio	Lower	Upper
56	100		
69	82.7	25.3	37.9#
84	0.0	71.0	106.4#



#32

1,1,1-Trichloroethane

Concen: 36.600 ug/l

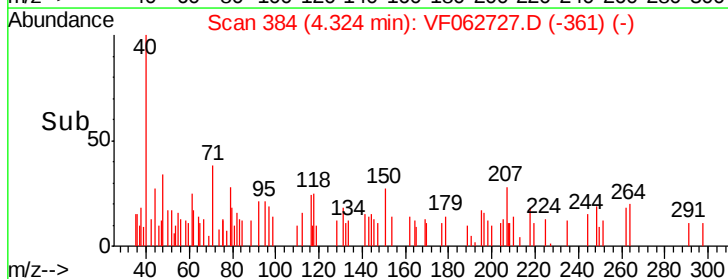
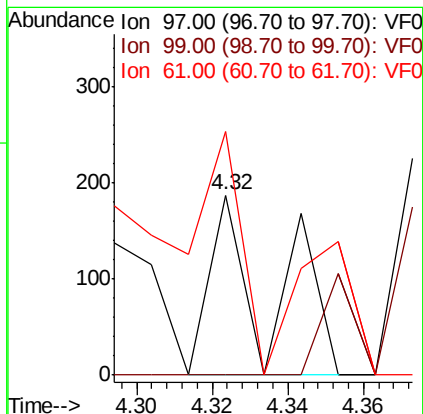
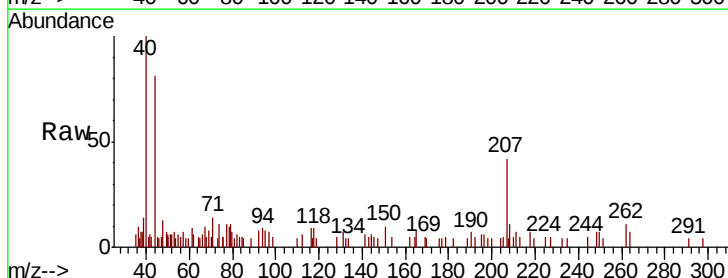
RT: 4.32 min Scan# 384

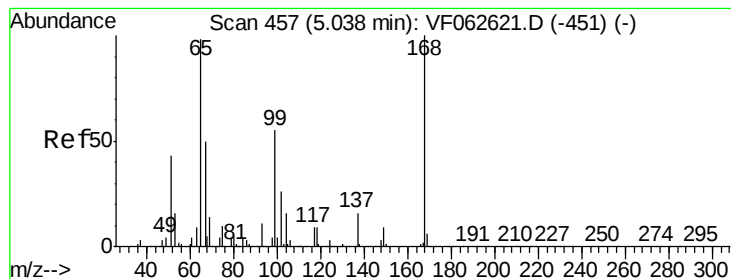
Delta R.T. 0.03 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	97	Resp:	210
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	135.3	38.2	57.2#





#33

1,2-Dichloroethane-d4

Concen: 74.938 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

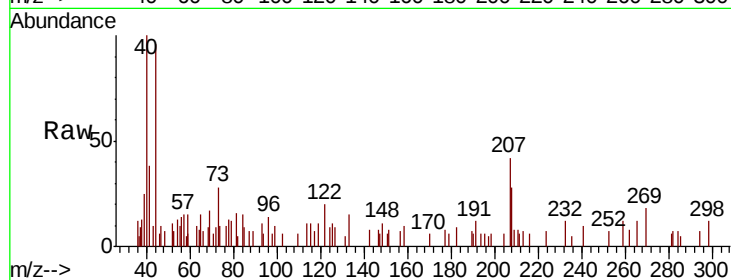
ClientSampled :

Tot Ion: 65 Resp: 224

Ion Ratio Lower Upper

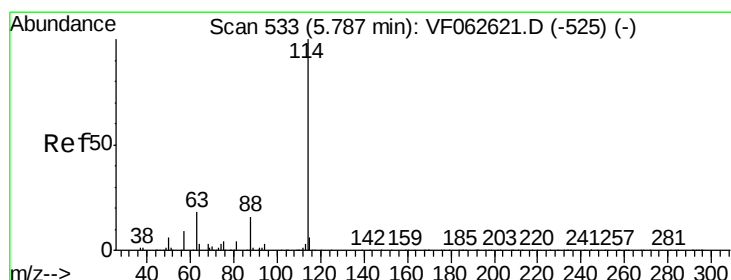
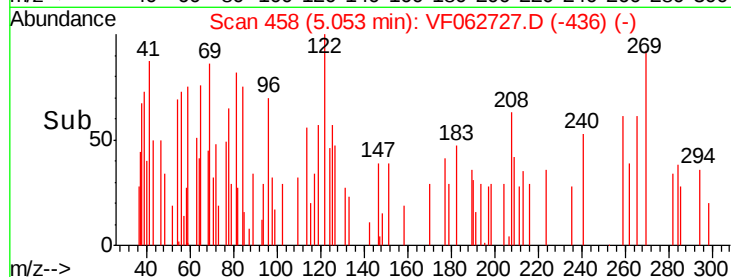
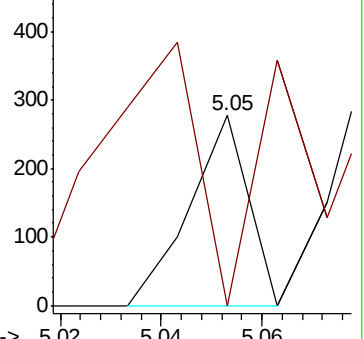
65 100

67 0.0 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.82 min Scan# 536

Delta R.T. 0.04 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

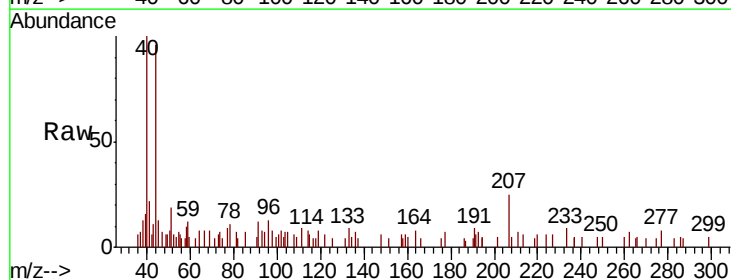
Tgt Ion: 114 Resp: 452

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

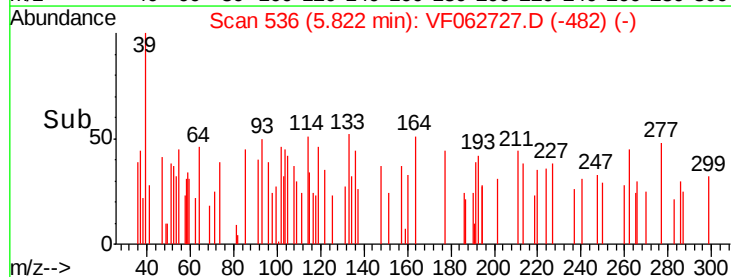
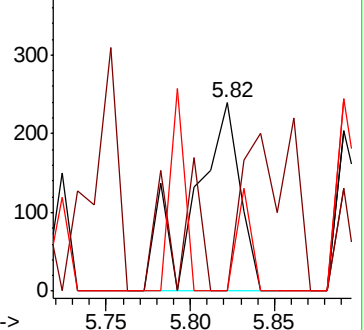
88 0.0 0.0 32.4

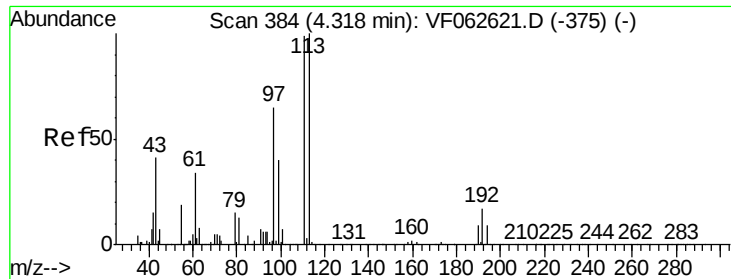


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

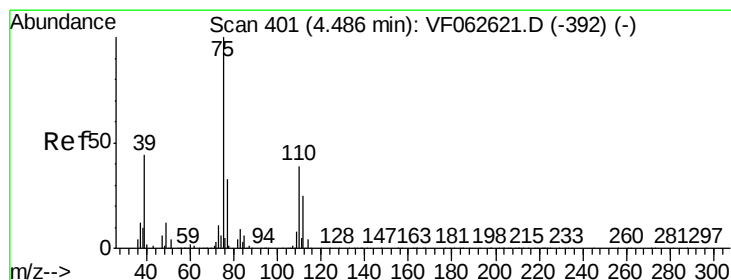
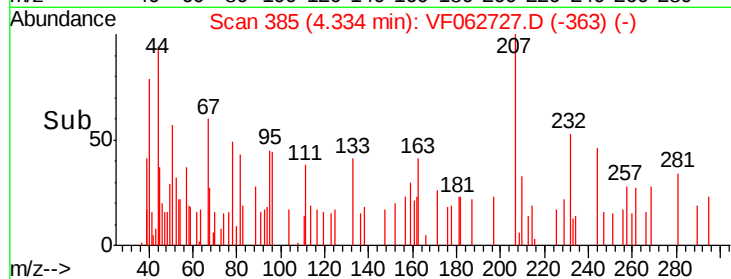
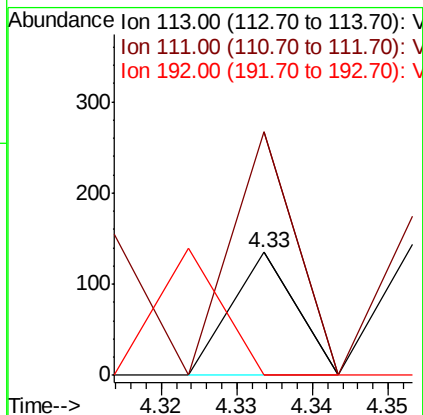
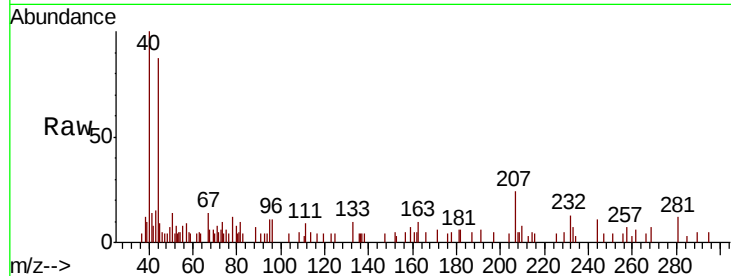




#35
 Dibromofluoromethane
 Concen: 23.130 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

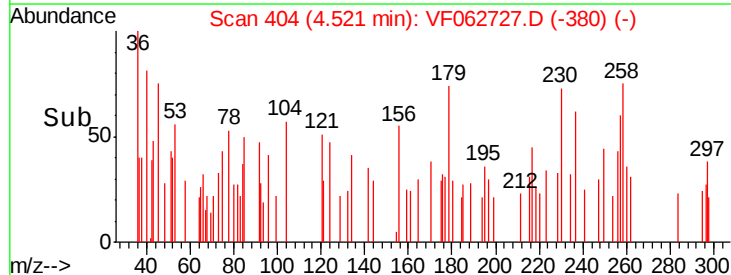
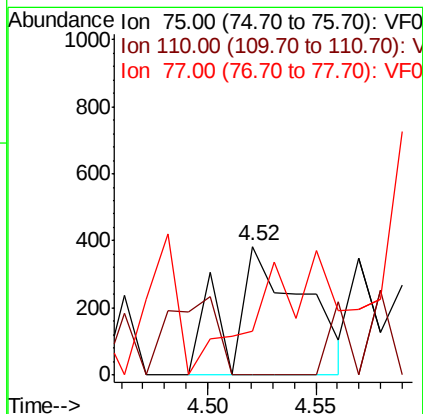
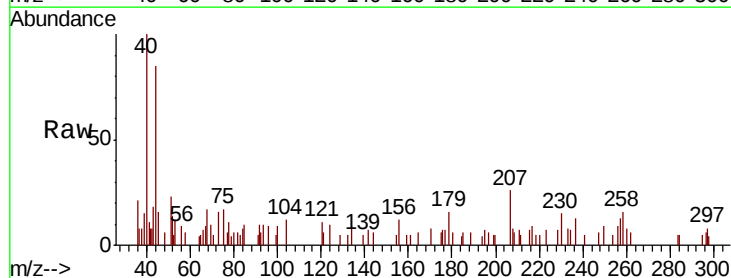
Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 113 Resp: 80
 Ion Ratio Lower Upper
 113 100
 111 197.8 79.4 119.2#
 192 0.0 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 194.749 ug/l
 RT: 4.52 min Scan# 404
 Delta R.T. 0.04 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion: 75 Resp: 902
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 34.5 26.3 39.5





#37

Ethyl Acetate

Concen: 581.675 ug/l

RT: 4.35 min Scan# 387

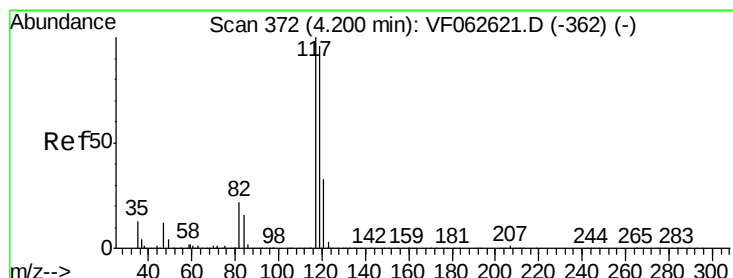
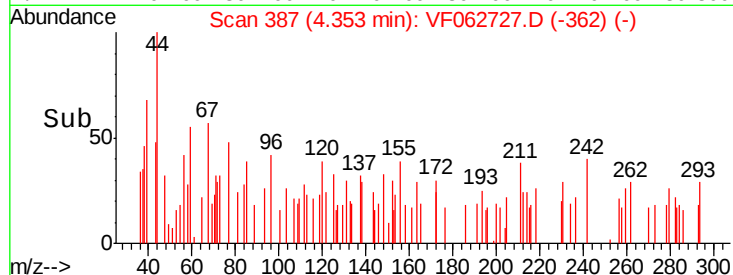
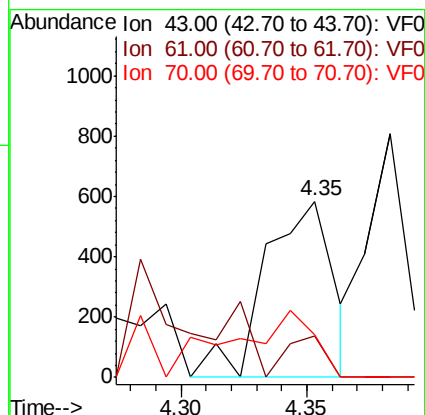
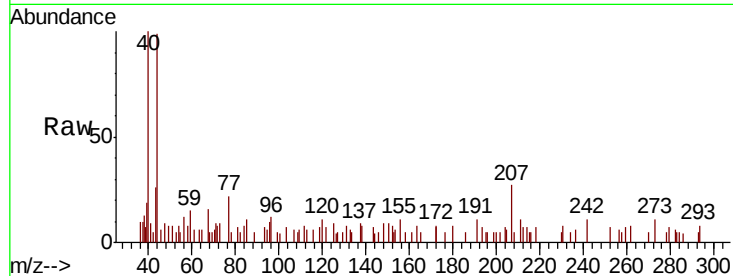
Delta R.T. 0.05 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	43	Resp:	1100
Ion	Ratio	Lower	Upper
43	100		
61	23.7	76.9	115.3#
70	24.5	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 26.699 ug/l

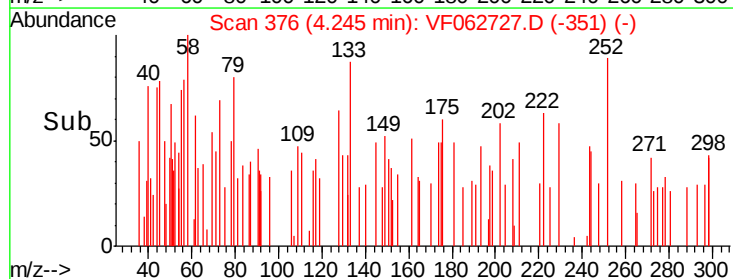
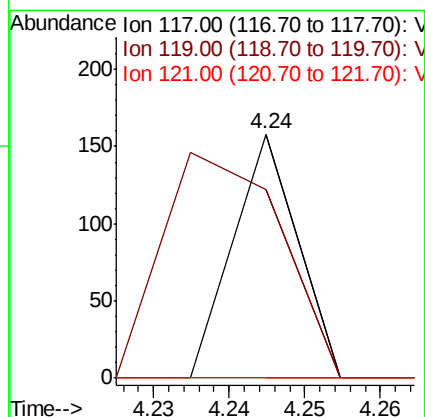
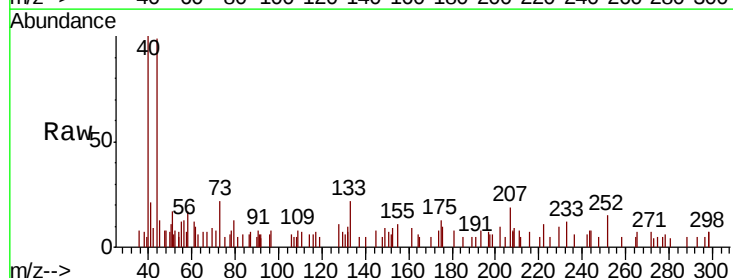
RT: 4.24 min Scan# 376

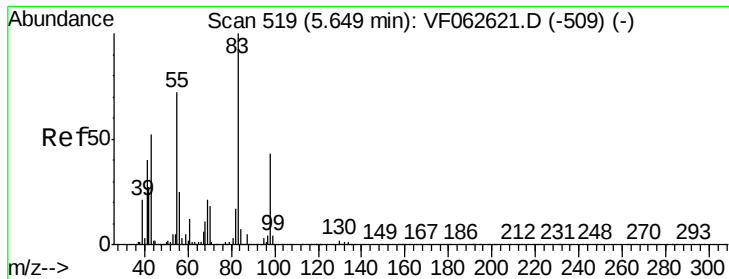
Delta R.T. 0.05 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	117	Resp:	93
Ion	Ratio	Lower	Upper
117	100		
119	77.2	76.7	115.1
121	0.0	26.6	40.0#

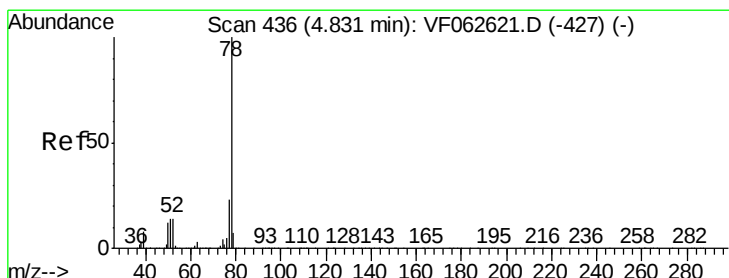
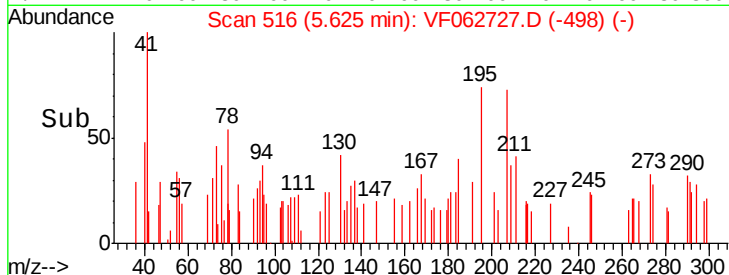
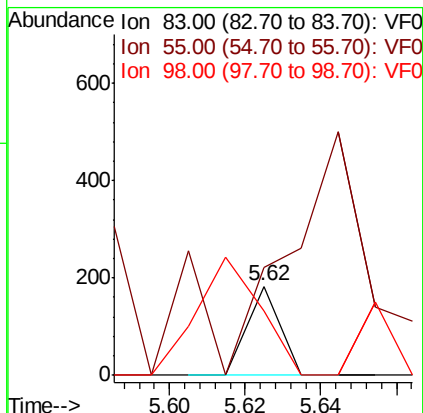
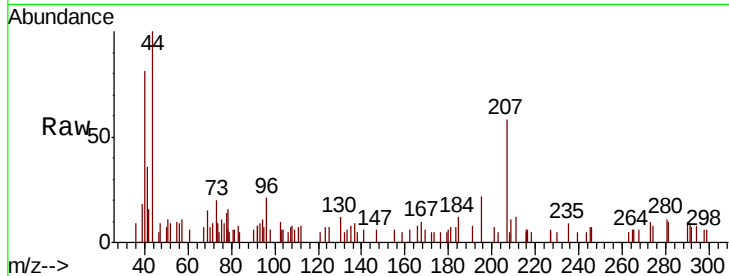




#39
Methvlcvclohexane
Concen: 19.379 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

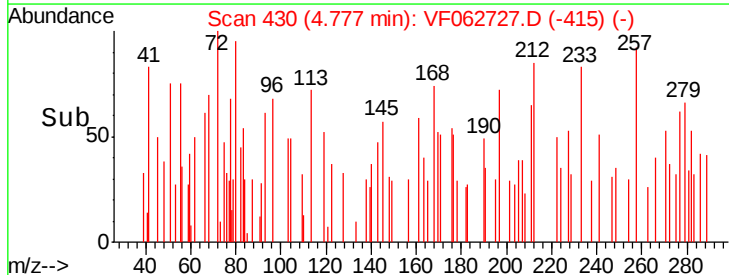
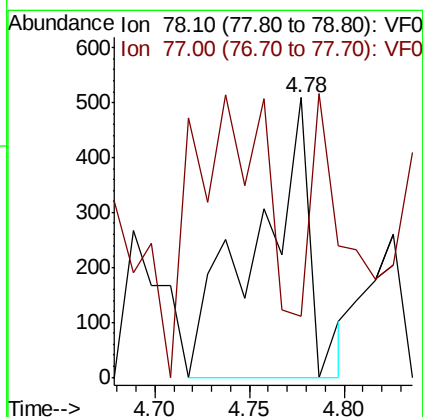
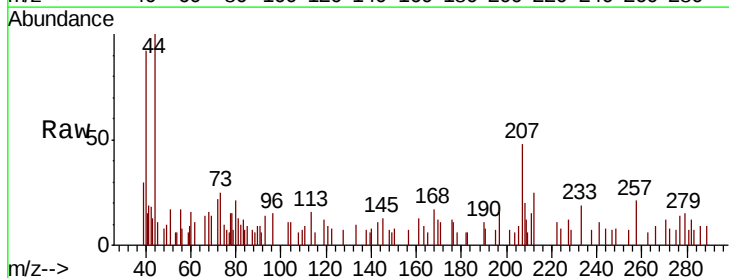
Instrument :
MSVOA_F
ClientSampleId :

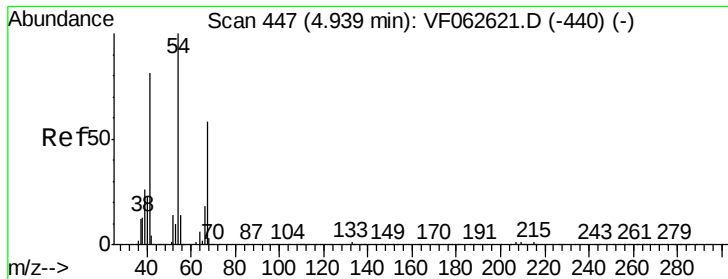
Tot Ion: 83 Resp: 108
Ion Ratio Lower Upper
83 100
55 78.1 57.9 86.9
98 46.3 34.6 52.0



#40
Benzene
Concen: 80.680 ug/l
RT: 4.78 min Scan# 430
Delta R.T. -0.05 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion: 78 Resp: 1018
Ion Ratio Lower Upper
78 100
77 21.6 18.2 27.2





#41

Methacrylonitrile

Concen: 1705.588 ug/l

RT: 4.95 min Scan# 448

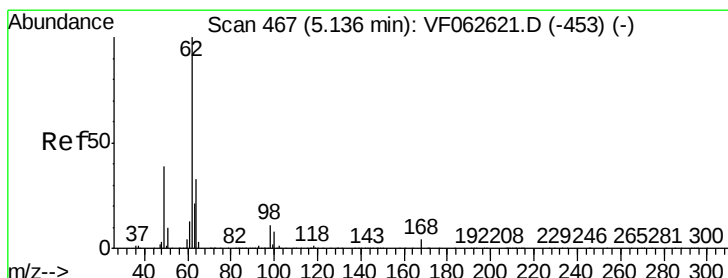
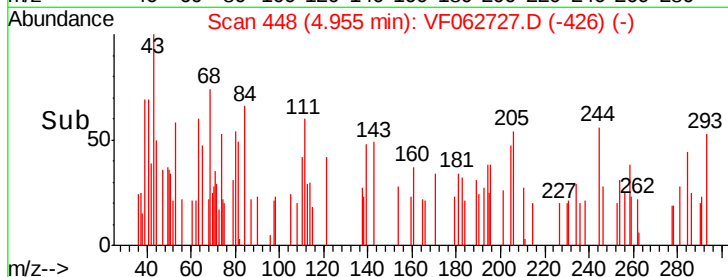
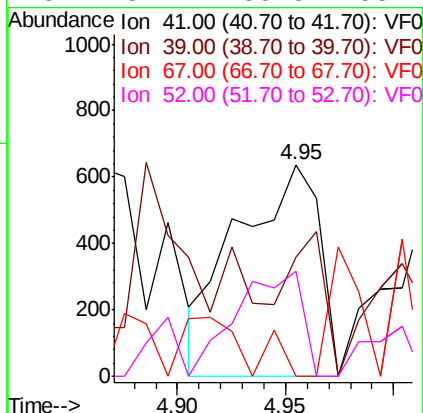
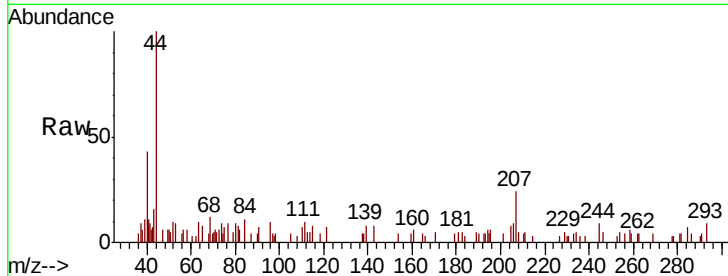
Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	1691
Ion	Ratio	Lower	Upper
41	100		
39	42.7	42.2	63.2
67	13.6	56.4	84.6#
52	37.4	38.8	58.2#



#42

1,2-Dichloroethane

Concen: 98.562 ug/l

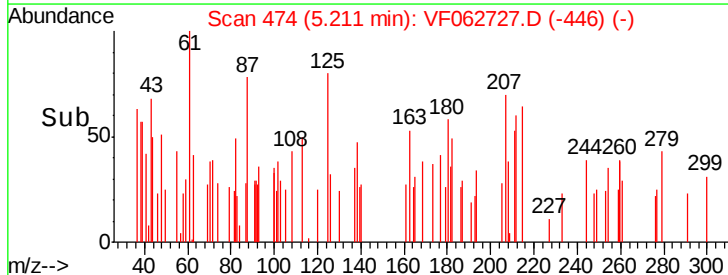
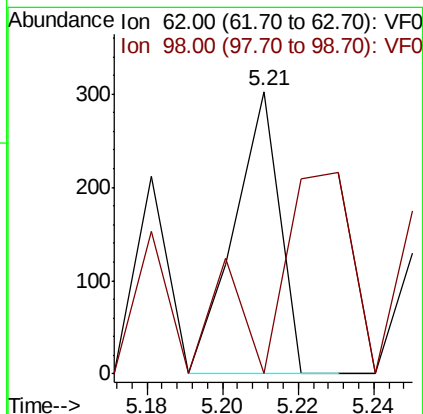
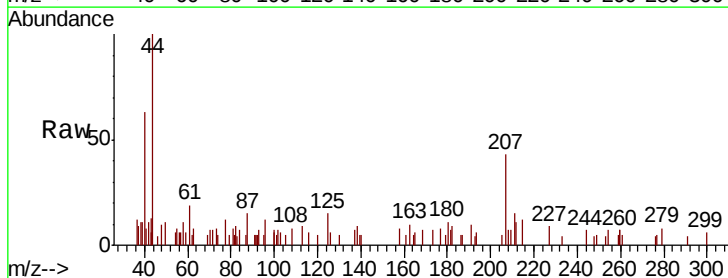
RT: 5.21 min Scan# 474

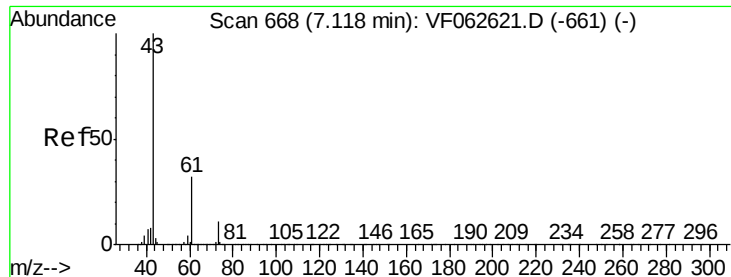
Delta R.T. 0.07 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	62	Resp:	248
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



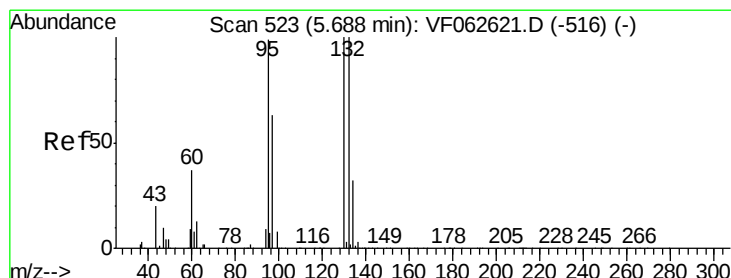
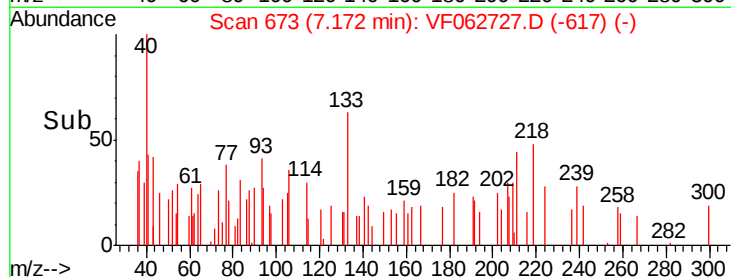
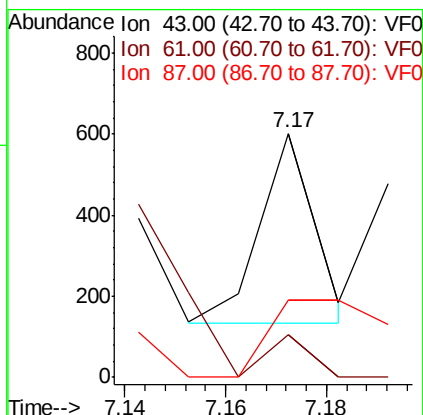
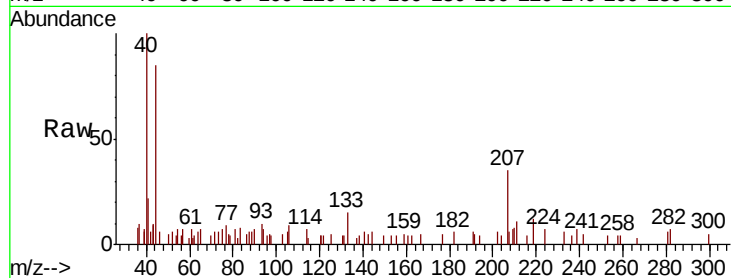


#43

Isopropyl Acetate
 Concen: 142.450 ug/l
 RT: 7.17 min Scan# 673
 Delta R.T. 0.05 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :

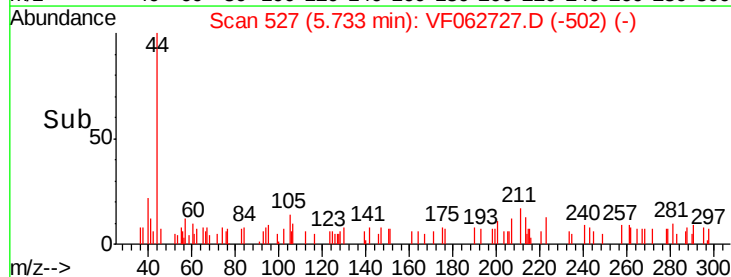
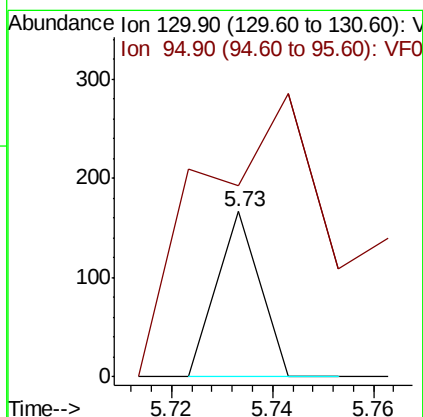
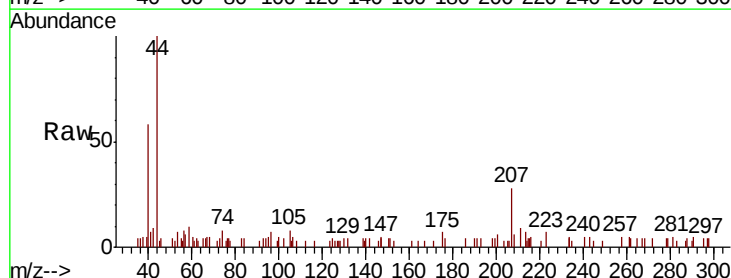
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	25.8	38.8#
87	31.9	0.4	0.6#

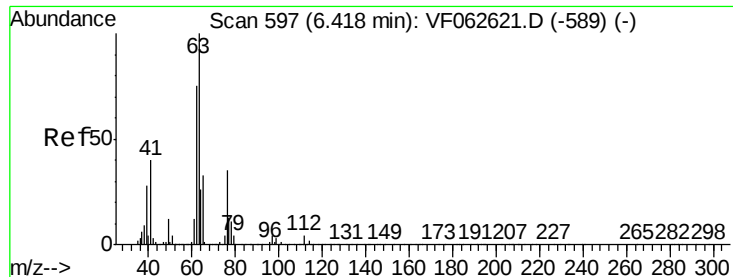


#44

Trichloroethene
 Concen: 27.635 ug/l
 RT: 5.73 min Scan# 527
 Delta R.T. 0.05 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.7	0.0	199.4





#45

1,2-Dichloropropane

Concen: 26.058 ug/l

RT: 6.47 min Scan# 602

Delta R.T. 0.05 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

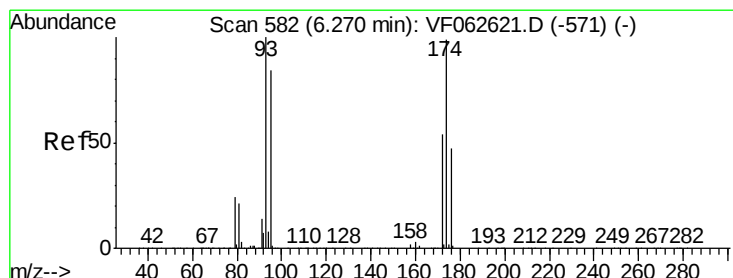
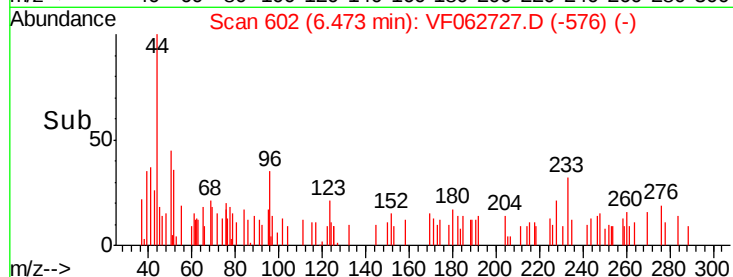
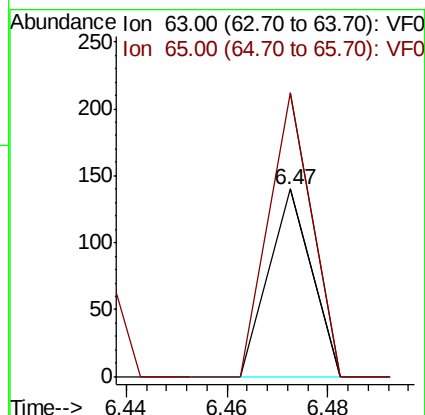
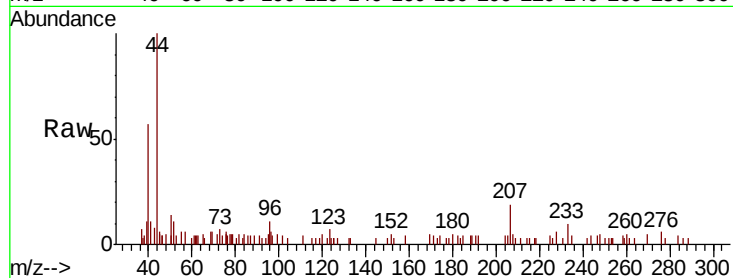
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 83

Ion Ratio Lower Upper

63 100

65 151.4 26.3 39.5#



#46

Dibromomethane

Concen: 117.341 ug/l

RT: 6.30 min Scan# 584

Delta R.T. 0.03 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

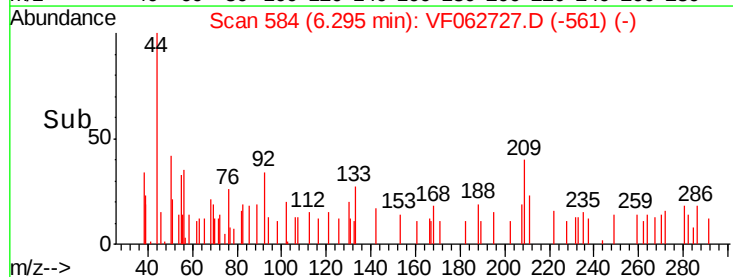
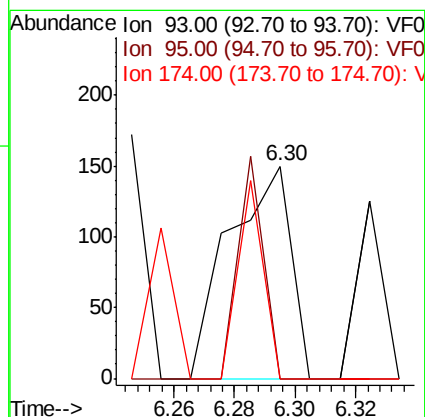
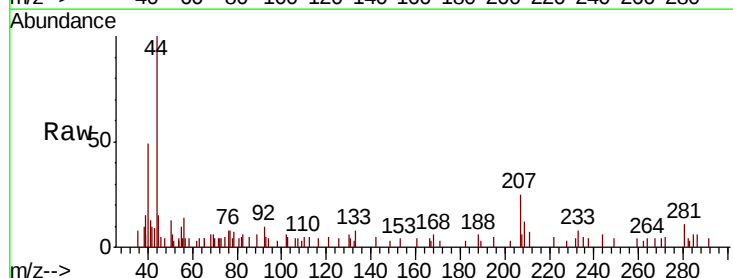
Tgt Ion: 93 Resp: 216

Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 62.279 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

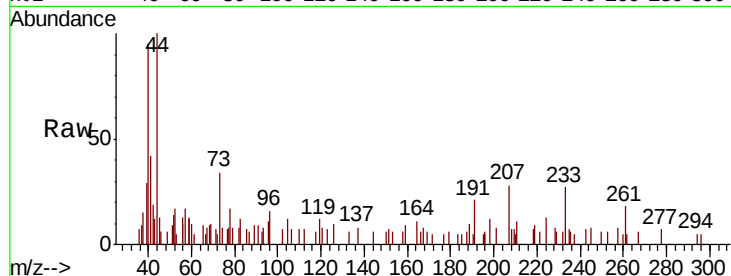
Tot Ion: 83 Resp: 238

Ion Ratio Lower Upper

83 100

85 53.7 52.0 78.0

127 0.0 7.7 11.5#

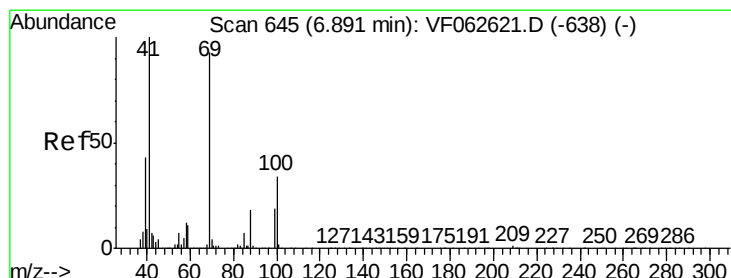
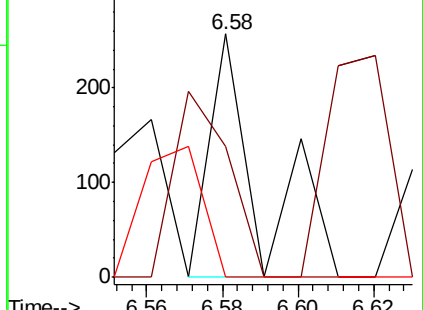
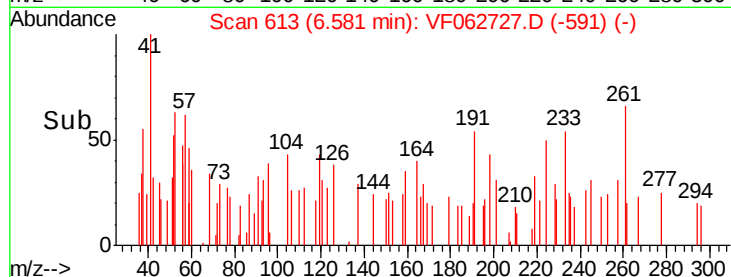


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

Time-->



#48

Methyl methacrylate

Concen: 527.893 ug/l

RT: 6.93 min Scan# 648

Delta R.T. 0.04 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

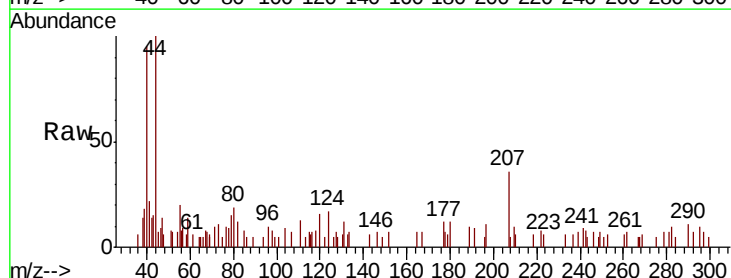
Tgt Ion: 41 Resp: 676

Ion Ratio Lower Upper

41 100

69 50.9 74.2 111.2#

39 85.1 34.2 51.4#

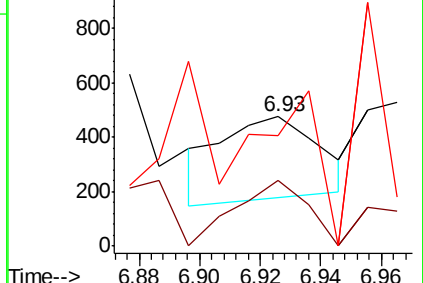
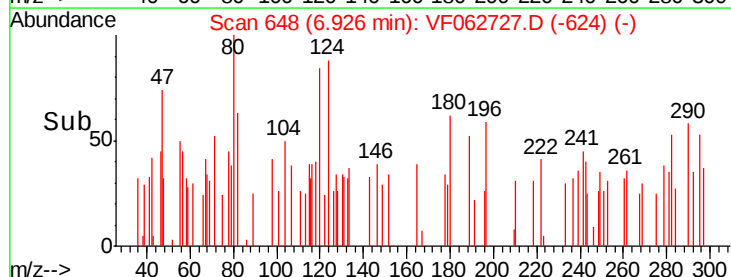


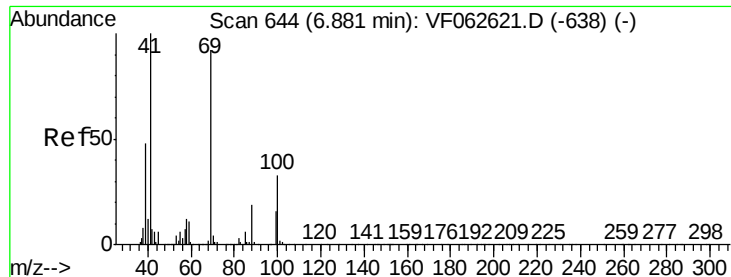
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

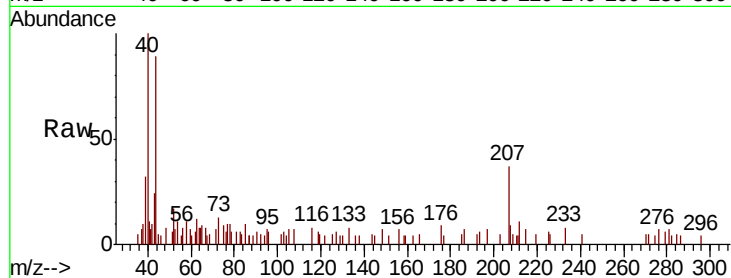




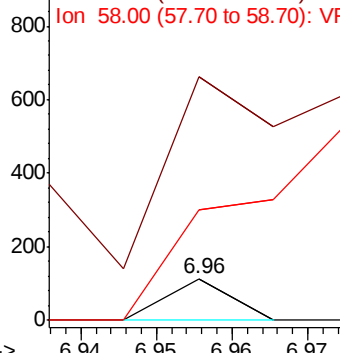
#49
1,4-Dioxane
Concen: 4085.028 ug/l
RT: 6.96 min Scan# 651
Delta R.T. 0.07 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :

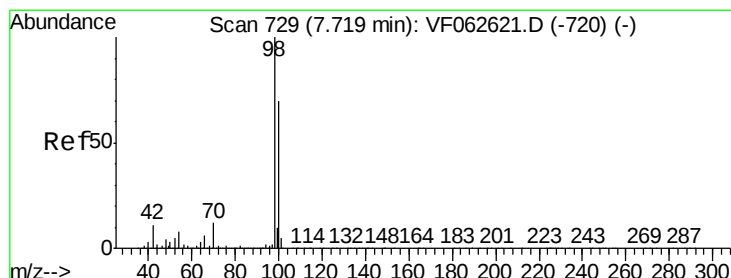
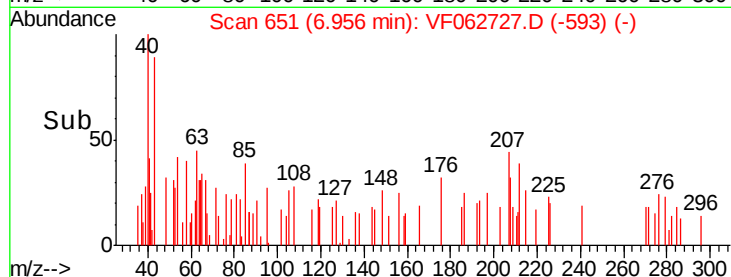
Tot Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 585.8 30.0 45.0#
58 264.6 51.1 76.7#



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

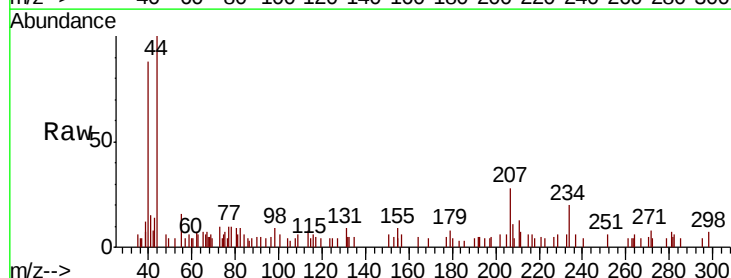


Time-->

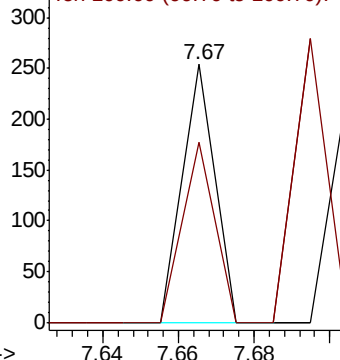


#50
Toluene-d8
Concen: 18.164 ug/l
RT: 7.67 min Scan# 723
Delta R.T. -0.05 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

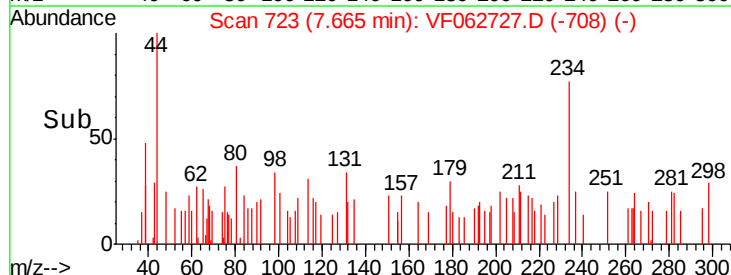
Tgt Ion: 98 Resp: 150
Ion Ratio Lower Upper
98 100
100 70.1 56.2 84.2

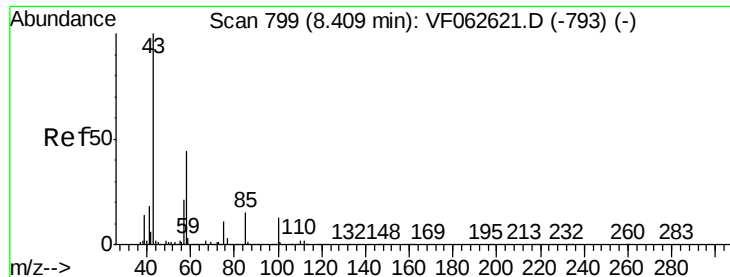


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 576.238 ug/l

RT: 8.47 min Scan# 805

Delta R.T. 0.06 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

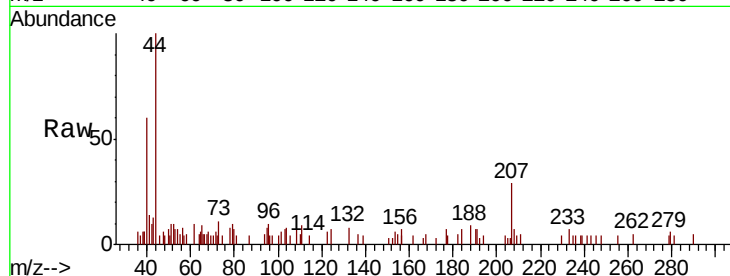
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 965

Ion Ratio Lower Upper

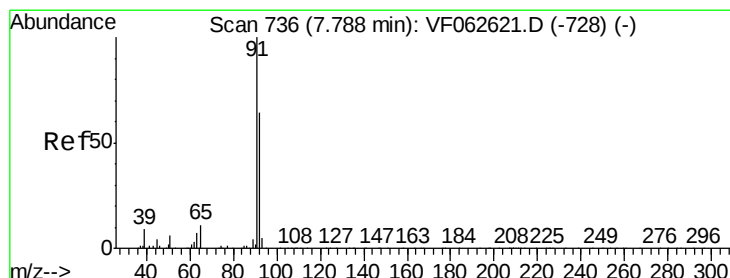
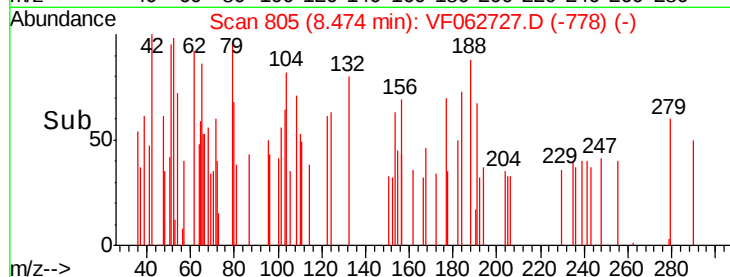
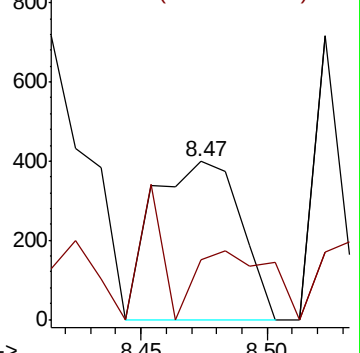
43 100

58 37.8 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 64.679 ug/l

RT: 7.85 min Scan# 742

Delta R.T. 0.06 min

Lab File: VF062727.D

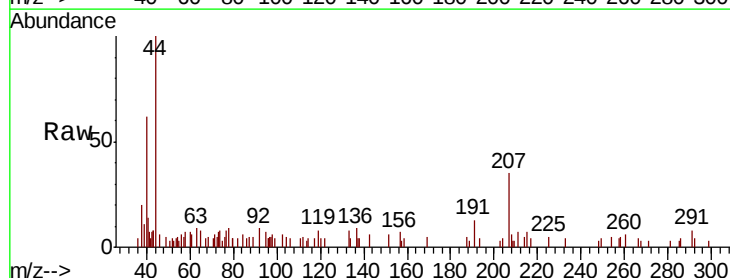
Acq: 23 May 2019 15:24

Tgt Ion: 92 Resp: 428

Ion Ratio Lower Upper

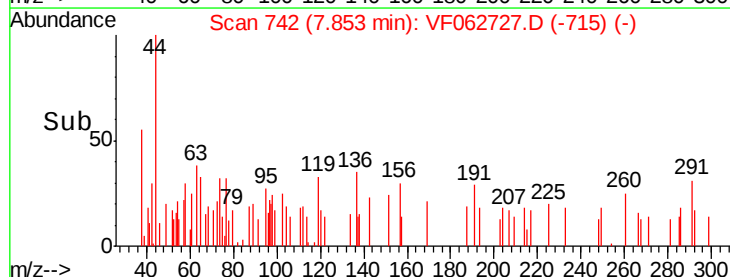
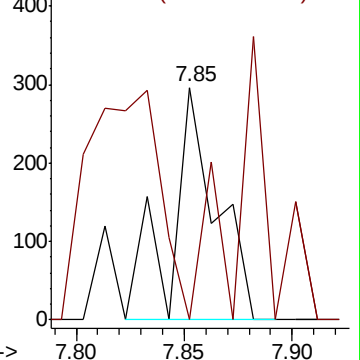
92 100

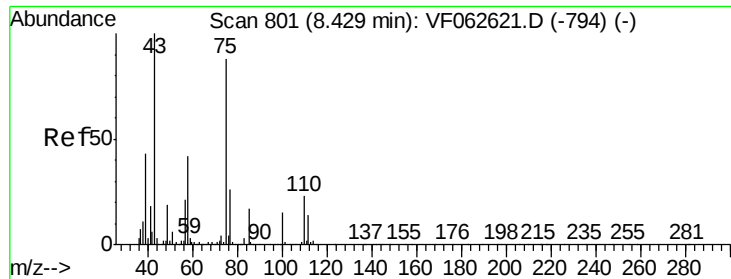
91 0.0 125.4 188.0#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 95.636 ug/l

RT: 8.50 min Scan# 808

Delta R.T. 0.07 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

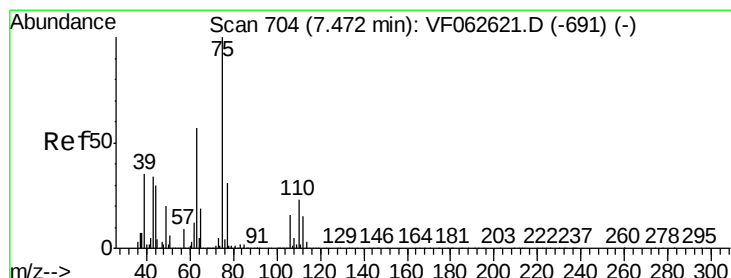
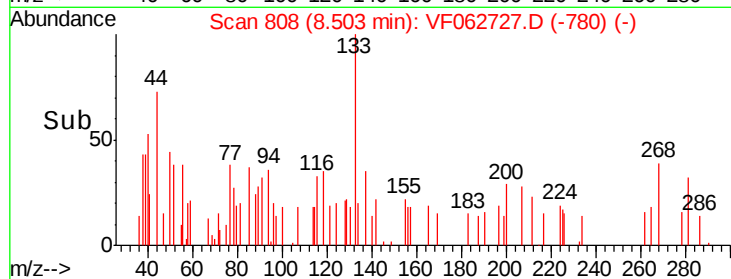
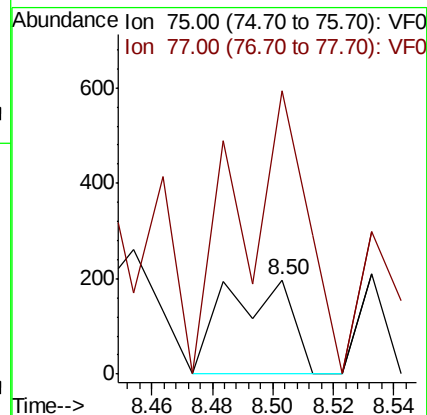
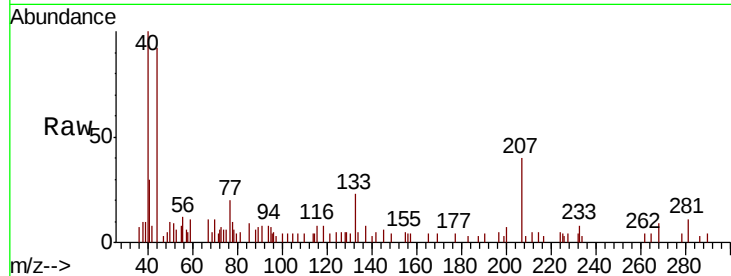
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 299

Ion Ratio Lower Upper

75 100

77 301.0 24.2 36.4#



#54

cis-1,3-Dichloropropene

Concen: 58.266 ug/l

RT: 7.53 min Scan# 709

Delta R.T. 0.05 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

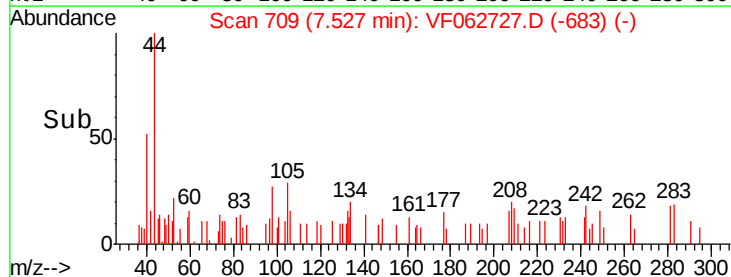
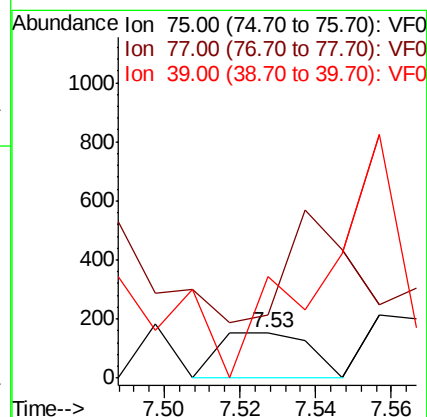
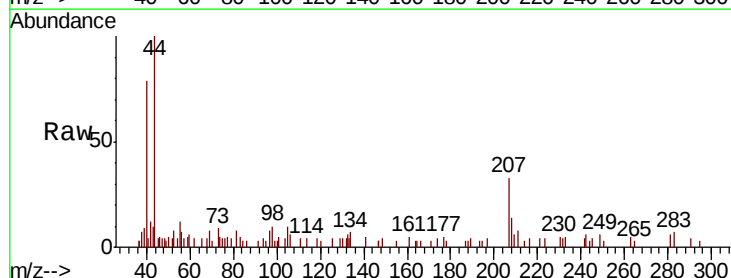
Tgt Ion: 75 Resp: 255

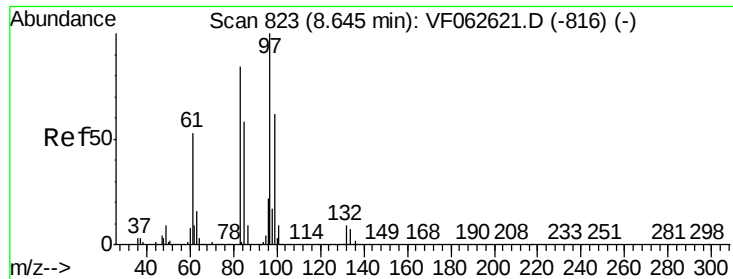
Ion Ratio Lower Upper

75 100

77 137.4 25.3 37.9#

39 221.9 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 396.570 ug/l

RT: 8.69 min Scan# 827

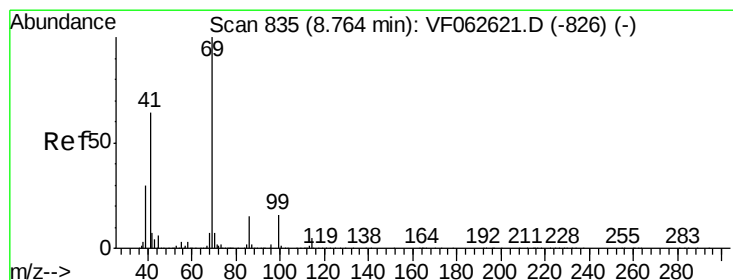
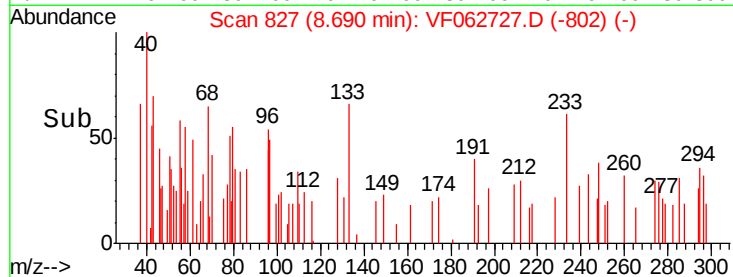
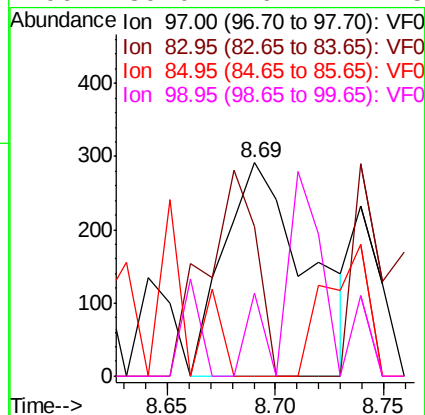
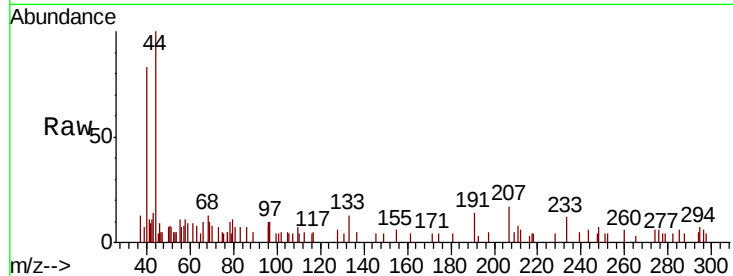
Delta R.T. 0.05 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	777
Ion	Ratio	Lower	Upper
97	100		
83	69.9	67.3	100.9
85	0.0	46.6	69.8#
99	39.0	49.7	74.5#



#56

Ethyl methacrylate

Concen: 297.310 ug/l

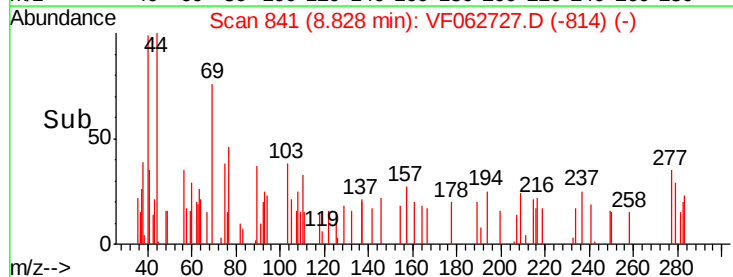
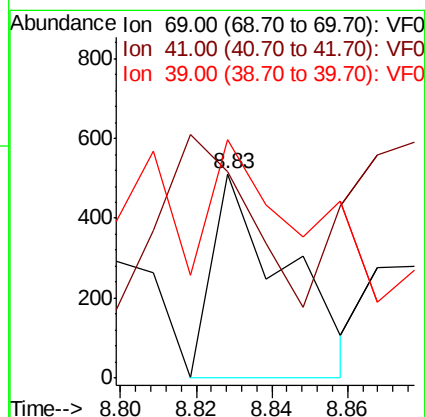
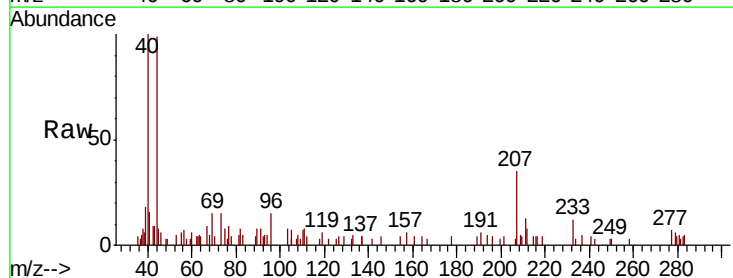
RT: 8.83 min Scan# 841

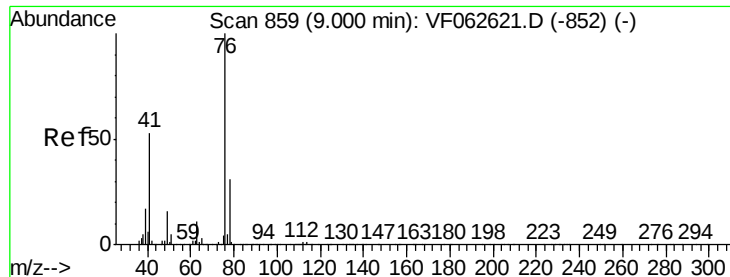
Delta R.T. 0.06 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	69	Resp:	694
Ion	Ratio	Lower	Upper
69	100		
41	101.0	51.4	77.2#
39	116.8	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 48.243 ug/l

RT: 9.06 min Scan# 865

Delta R.T. 0.06 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

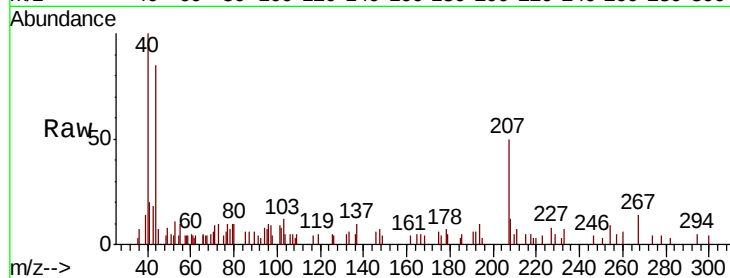
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 161

Ion Ratio Lower Upper

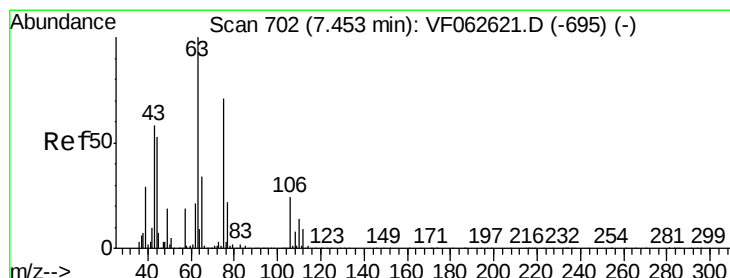
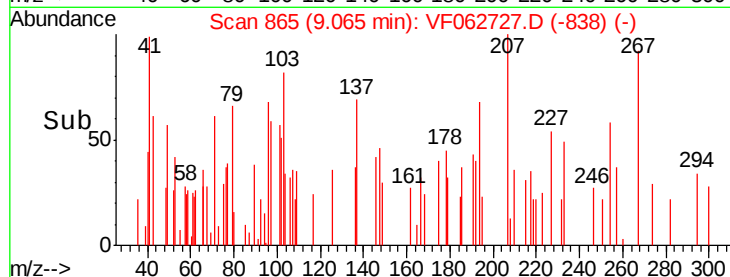
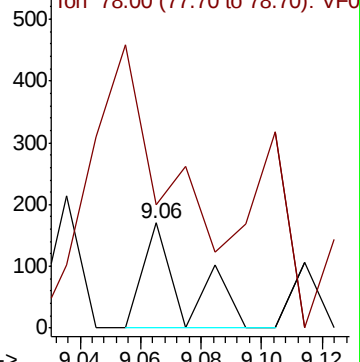
76 100

78 117.6 25.4 38.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 172.413 ug/l

RT: 7.50 min Scan# 706

Delta R.T. 0.05 min

Lab File: VF062727.D

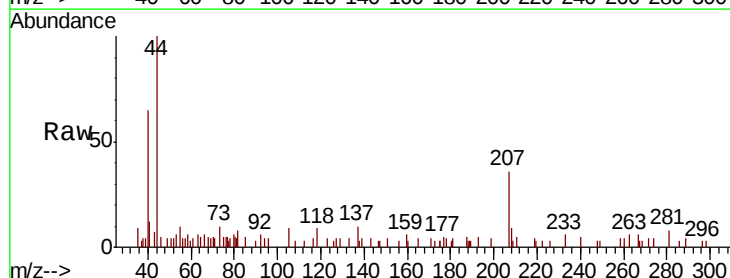
Acq: 23 May 2019 15:24

Tgt Ion: 63 Resp: 131

Ion Ratio Lower Upper

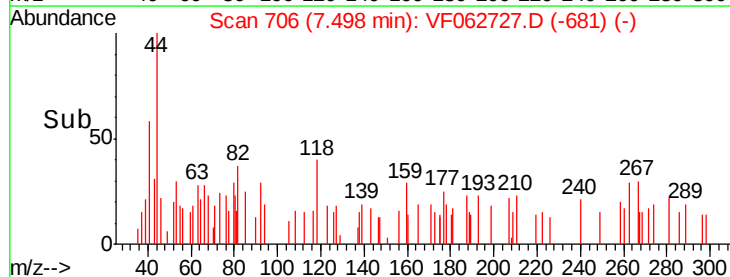
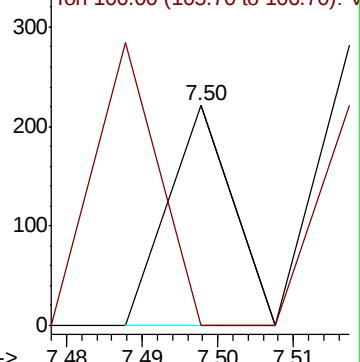
63 100

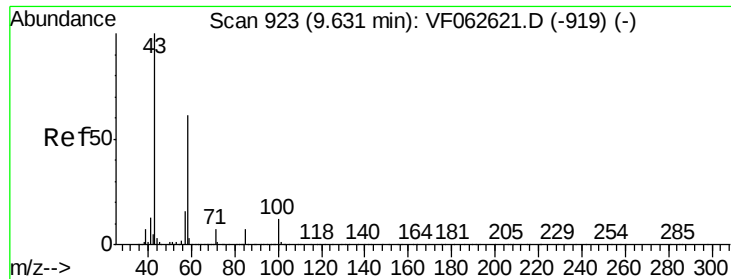
106 0.0 19.1 28.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

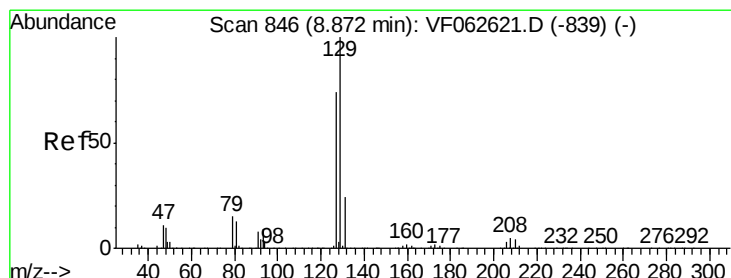
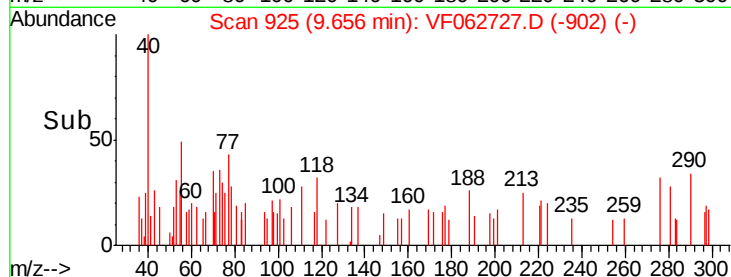
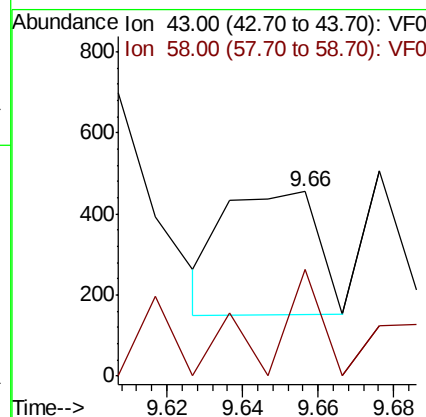
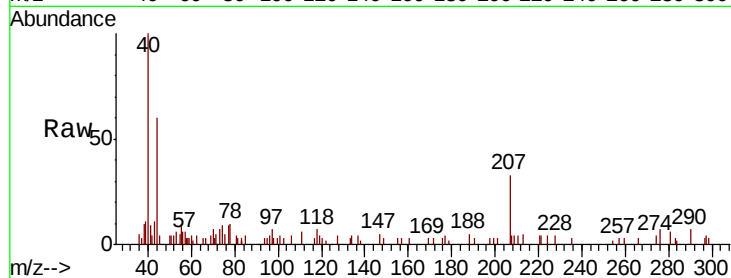




#59
2-Hexanone
Concen: 490.756 ug/l
RT: 9.66 min Scan# 925
Delta R.T. 0.03 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

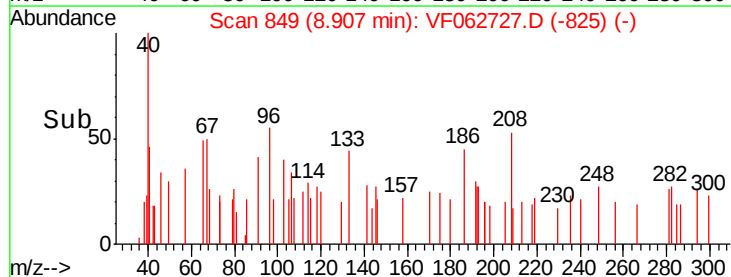
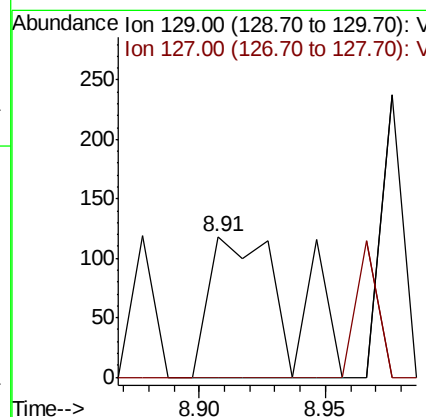
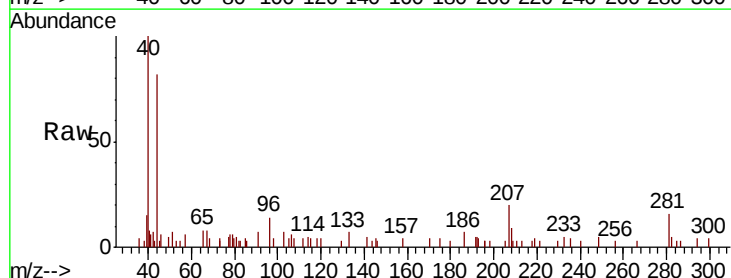
Instrument :
MSVOA_F
ClientSampleId :

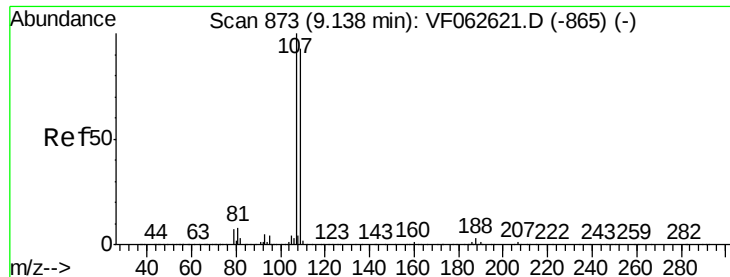
Tot Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
58 57.8 28.1 84.4



#60
Dibromochloromethane
Concen: 104.167 ug/l
RT: 8.91 min Scan# 849
Delta R.T. 0.04 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion: 129 Resp: 266
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#

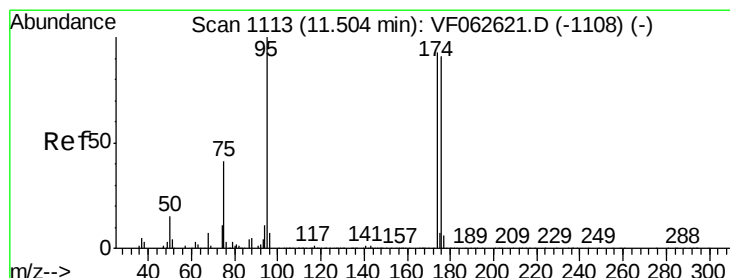
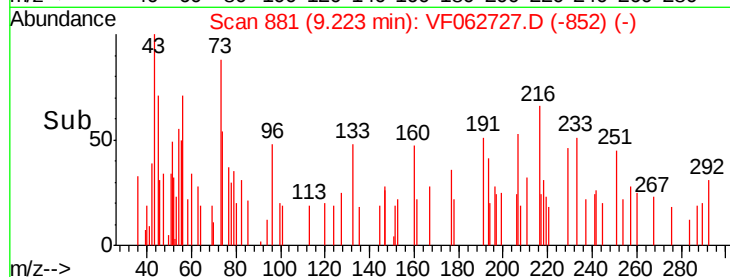
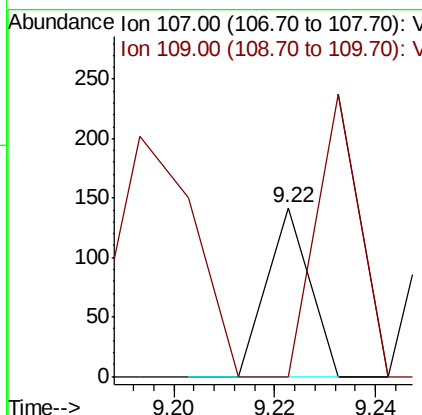
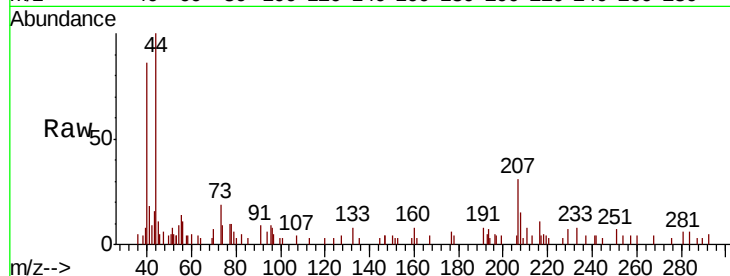




#61
 1,2-Dibromoethane
 Concen: 40.364 ug/l
 RT: 9.22 min Scan# 881
 Delta R.T. 0.08 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

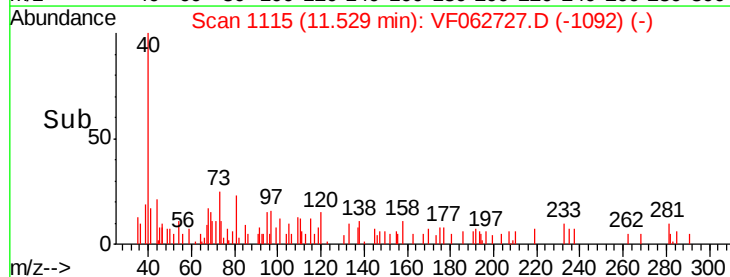
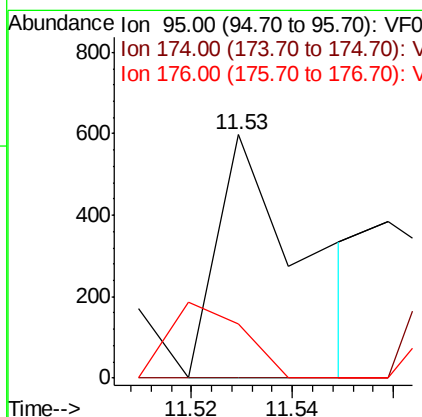
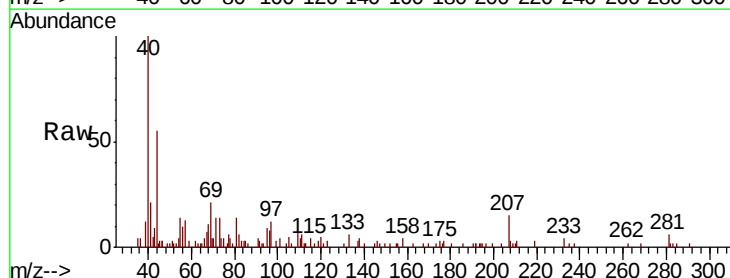
Instrument :
 MSVOA_F
 ClientSampled :

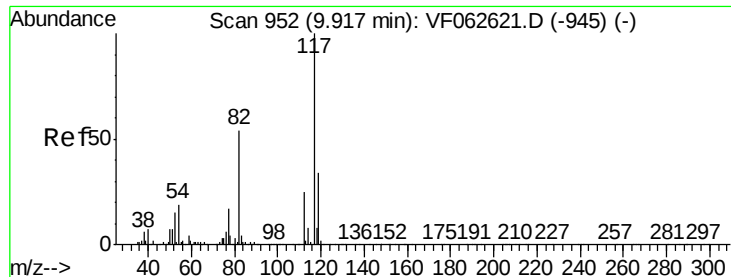
Tot Ion:107 Resp: 84
 Ion Ratio Lower Upper
 107 100
 109 0.0 74.8 112.2#



#62
 4-Bromofluorobenzene
 Concen: 227.967 ug/l
 RT: 11.53 min Scan# 1115
 Delta R.T. 0.03 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion: 95 Resp: 714
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 185.6
 176 22.1 0.0 182.4

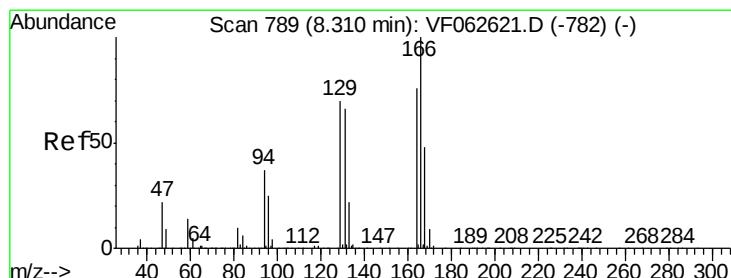
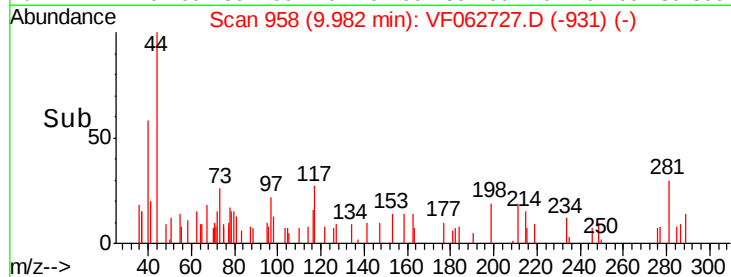
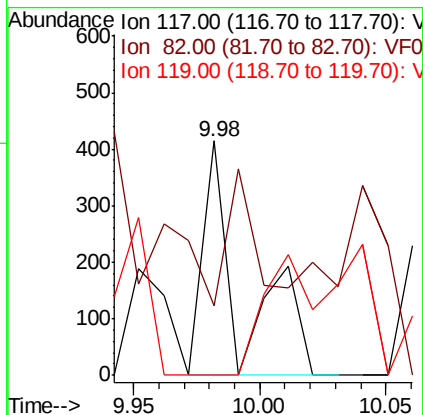
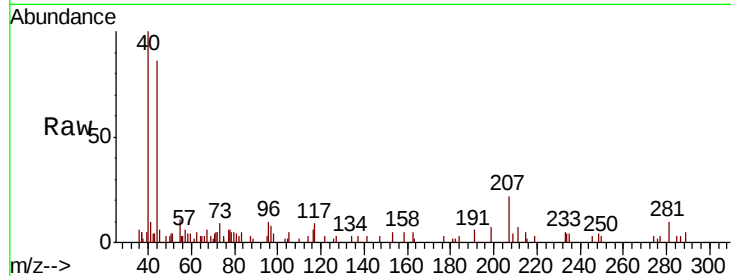




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.98 min Scan# 958
Delta R.T. 0.06 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

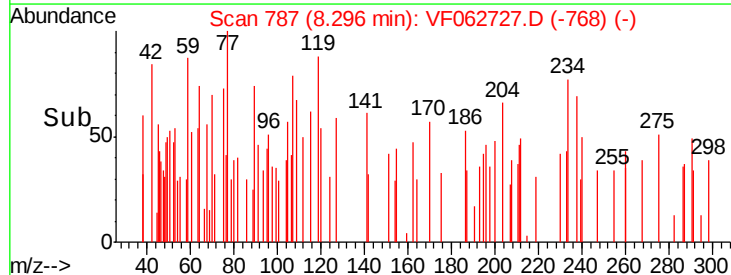
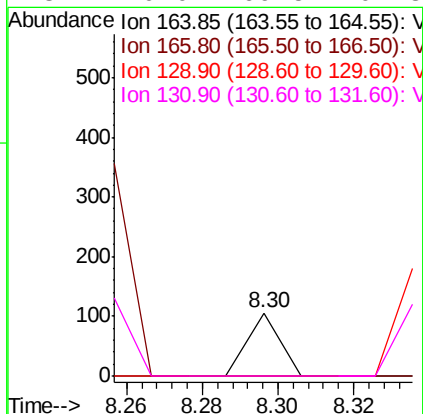
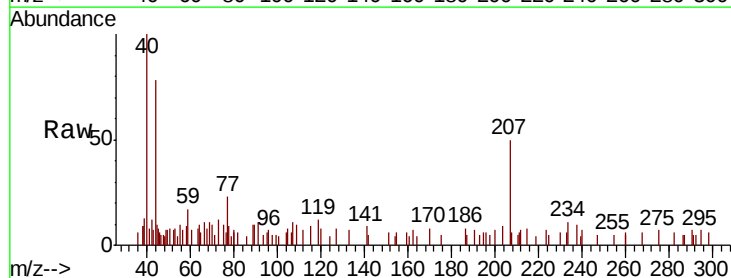
Instrument :
MSVOA_F
ClientSampled :

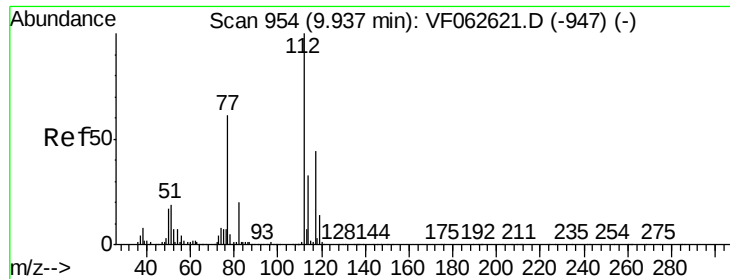
Tot Ion:117 Resp: 439
Ion Ratio Lower Upper
117 100
82 30.0 43.3 64.9#
119 0.0 27.4 41.0#



#64
Tetrachloroethene
Concen: 18.115 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion:164 Resp: 63
Ion Ratio Lower Upper
164 100
166 0.0 105.5 158.3#
129 0.0 73.8 110.6#
131 0.0 69.5 104.3#

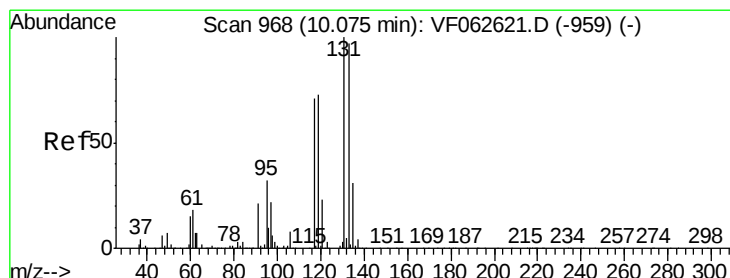
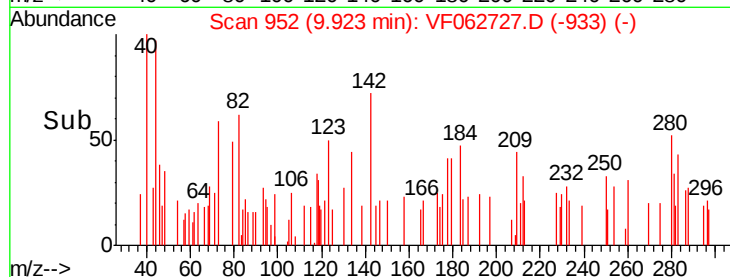
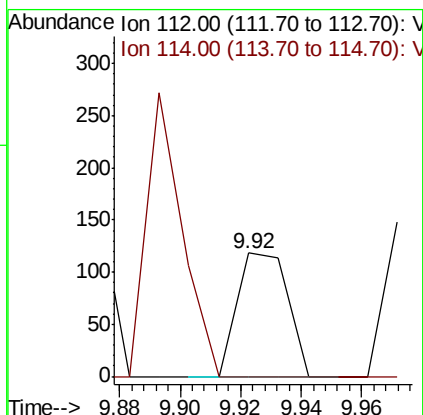
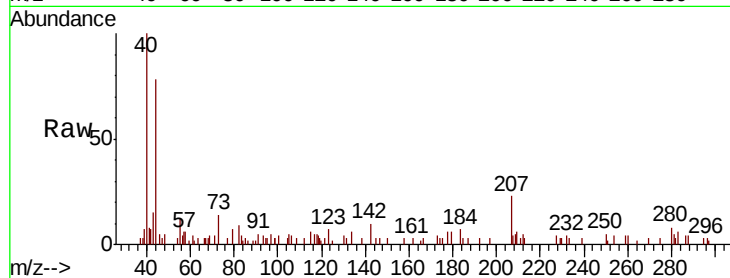




#65
Chlorobenzene
Concen: 15.889 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

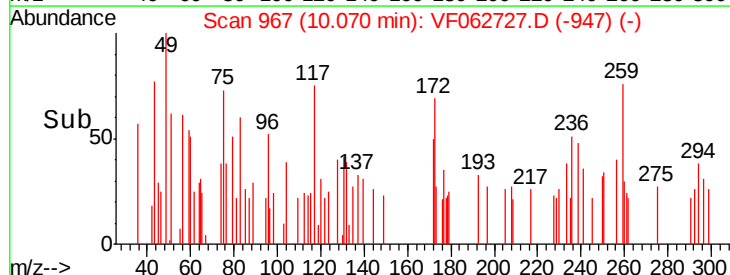
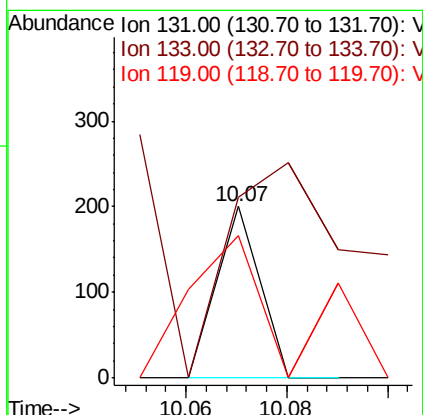
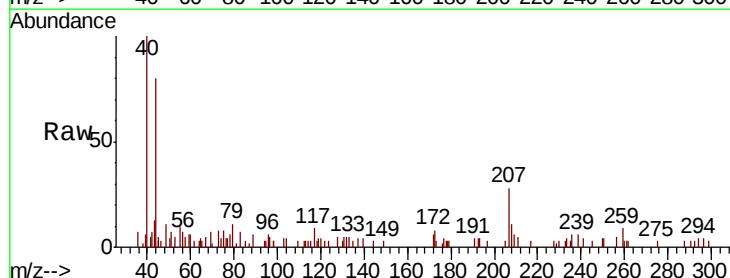
Instrument :
MSVOA_F
ClientSampled :

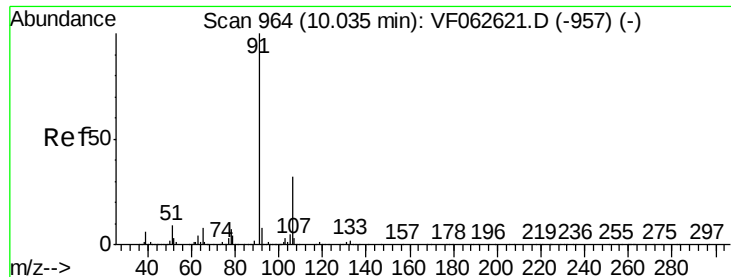
Tot Ion:112 Resp: 137
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 34.090 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion:131 Resp: 118
Ion Ratio Lower Upper
131 100
133 105.5 48.5 145.5
119 83.0 36.8 110.4





#67

Ethyl Benzene

Concen: 53.342 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

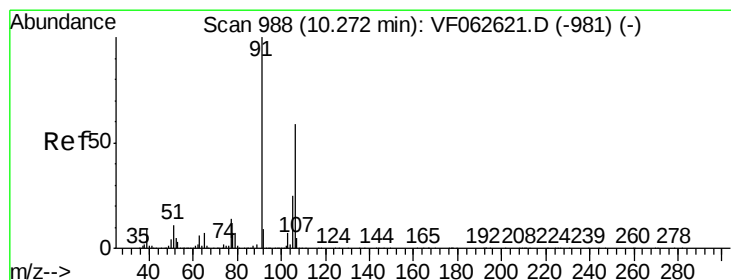
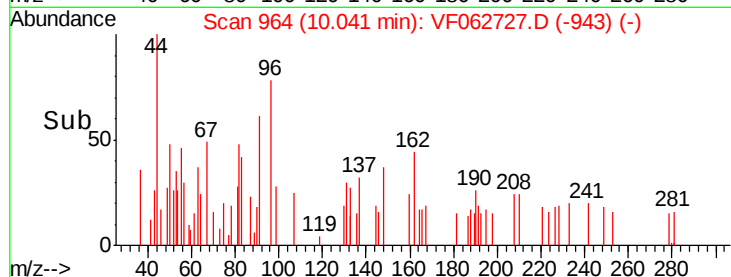
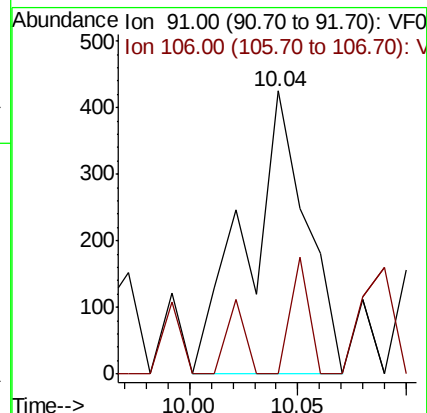
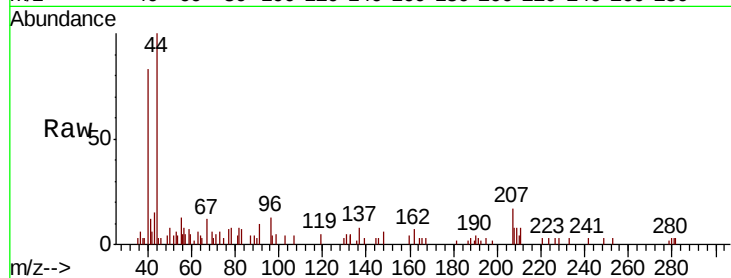
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 799

Ion Ratio Lower Upper

91 100

106 0.0 25.8 38.8#



#68

m/p-Xylenes

Concen: 15.276 ug/l

RT: 10.43 min Scan# 1003

Delta R.T. 0.15 min

Lab File: VF062727.D

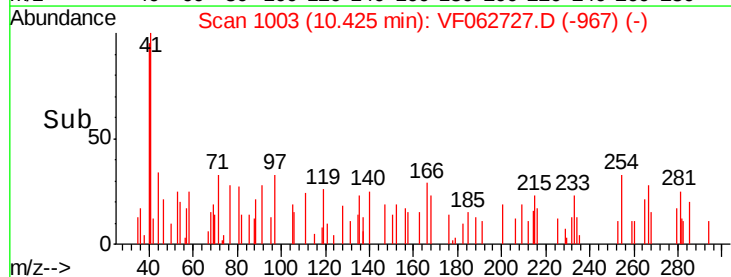
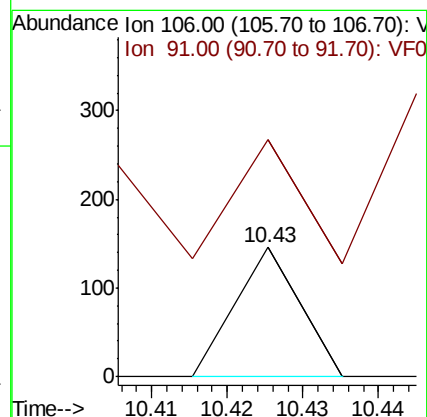
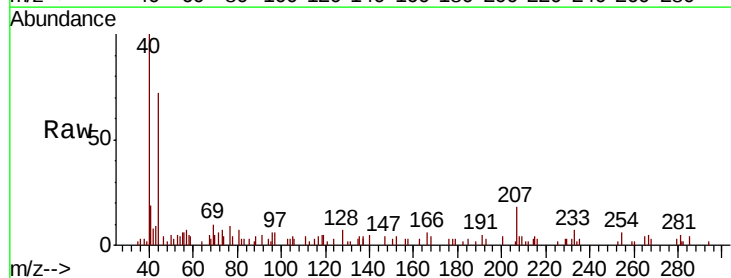
Acq: 23 May 2019 15:24

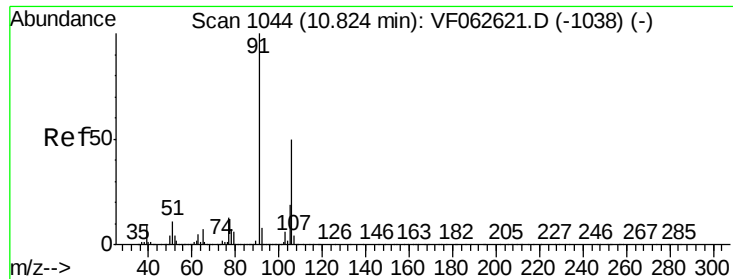
Tgt Ion: 106 Resp: 86

Ion Ratio Lower Upper

106 100

91 182.9 136.9 205.3

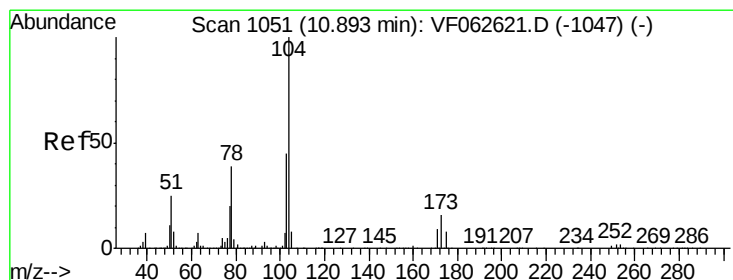
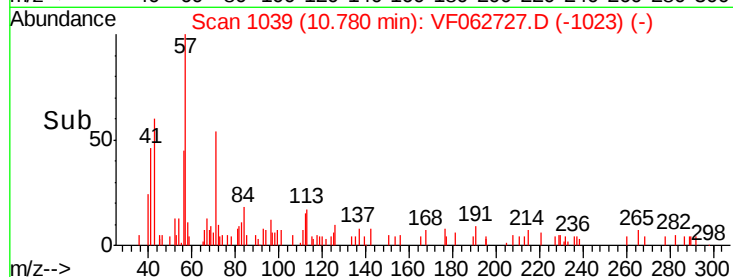
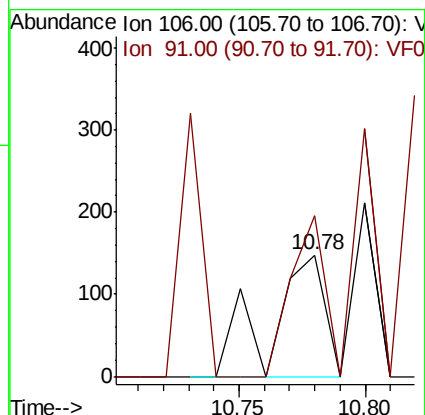
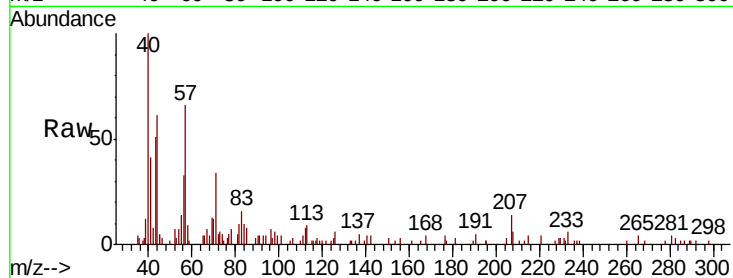




#69
o-Xylene
Concen: 38.285 ug/l
RT: 10.78 min Scan# 1039
Delta R.T. -0.04 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

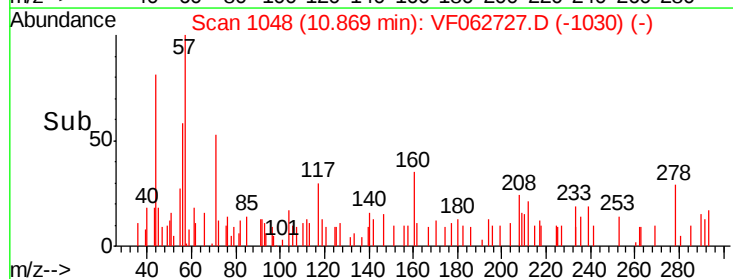
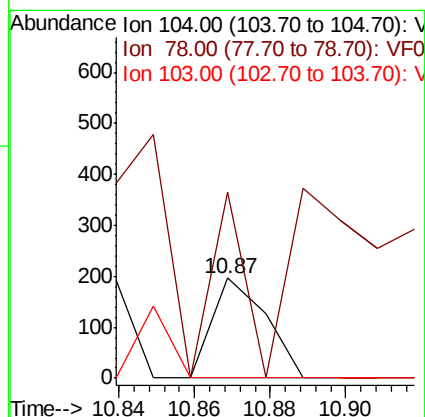
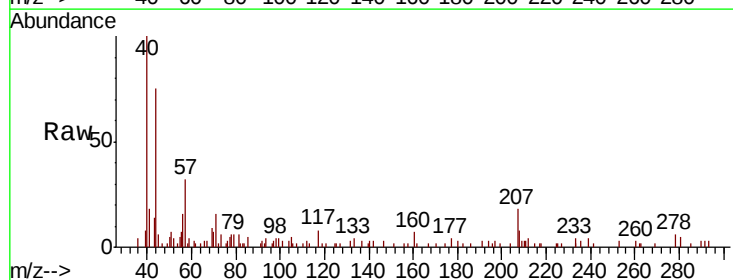
Instrument :
MSVOA_F
ClientSampled :

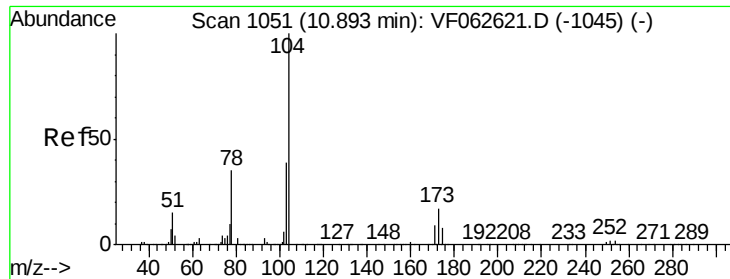
Tot Ion:106 Resp: 222
Ion Ratio Lower Upper
106 100
91 132.4 100.2 300.5



#70
Styrene
Concen: 21.671 ug/l
RT: 10.87 min Scan# 1048
Delta R.T. -0.02 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion:104 Resp: 191
Ion Ratio Lower Upper
104 100
78 185.7 31.9 47.9#
103 0.0 36.1 54.1#

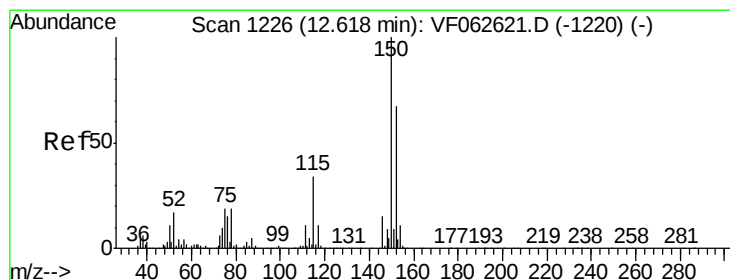
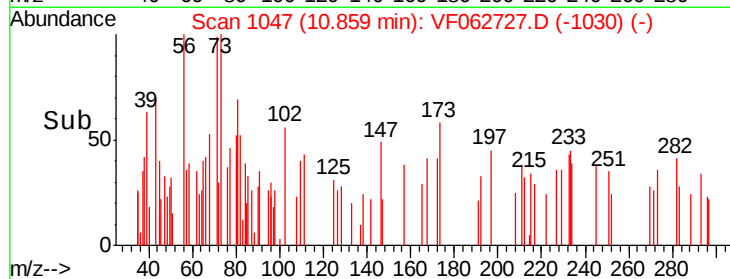
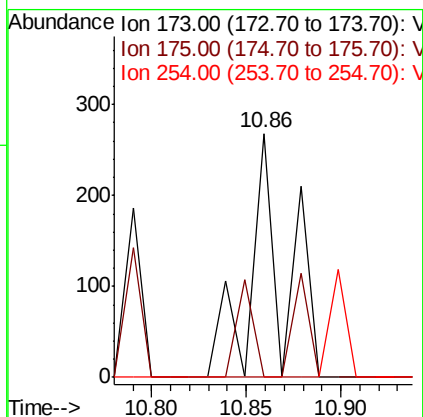
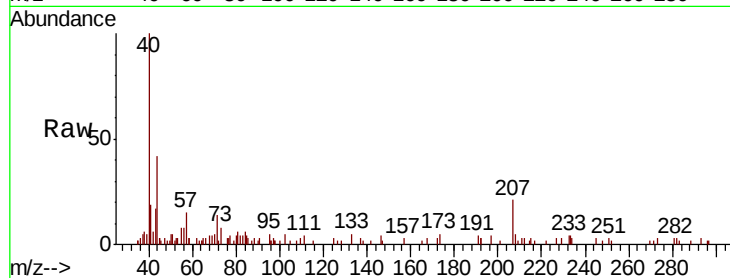




#71
Bromoform
Concen: 199.583 ug/l
RT: 10.86 min Scan# 1047
Delta R.T. -0.03 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

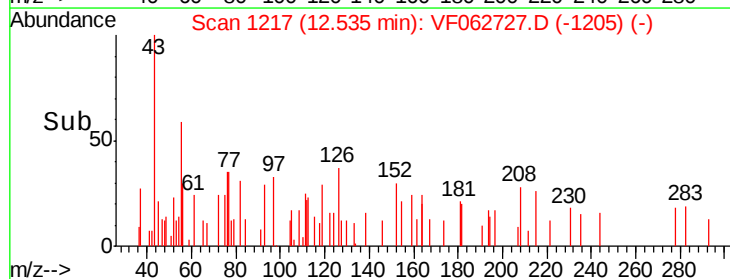
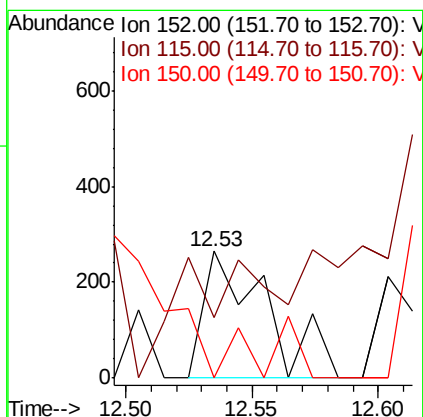
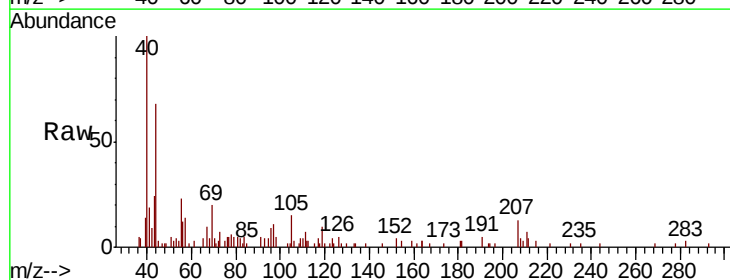
Instrument :
MSVOA_F
ClientSampleId :

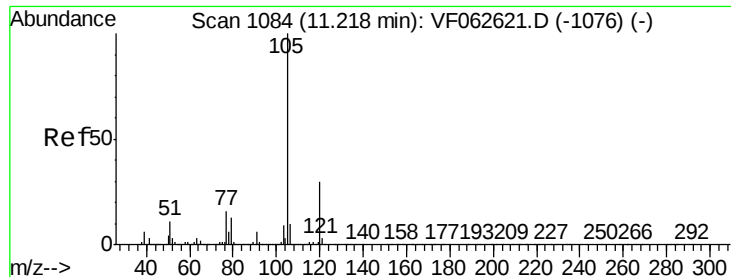
Tot Ion:173 Resp: 346
Ion Ratio Lower Upper
173 100
175 0.0 25.3 75.9#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. -0.08 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion:152 Resp: 453
Ion Ratio Lower Upper
152 100
115 47.5 25.2 75.6
150 0.0 0.0 306.2





#73

Isopropylbenzene

Concen: 12.105 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.12 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

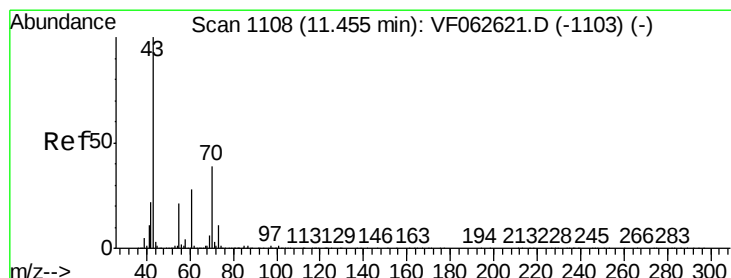
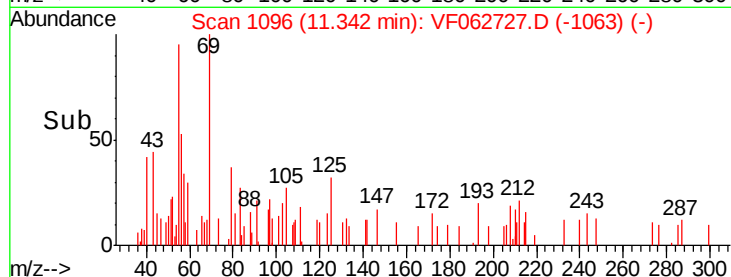
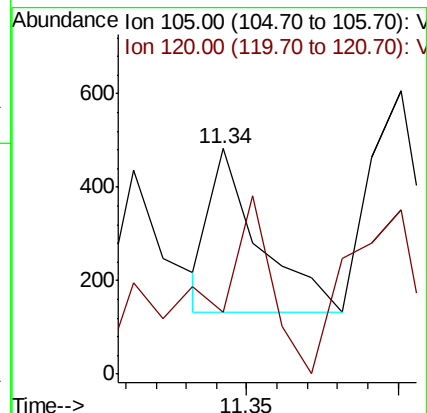
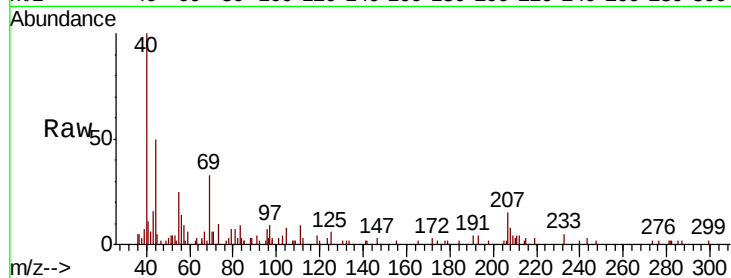
ClientSampled :

Tot Ion:105 Resp: 393

Ion Ratio Lower Upper

105 100

120 27.4 14.8 44.4



#74

N-ethyl acetate

Concen: 154.210 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion: 43 Resp: 1181

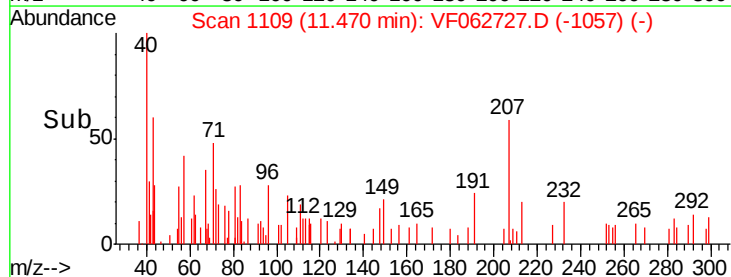
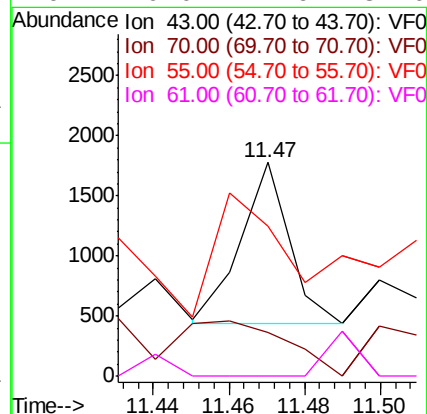
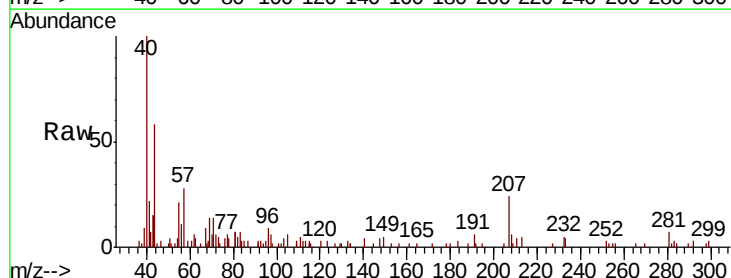
Ion Ratio Lower Upper

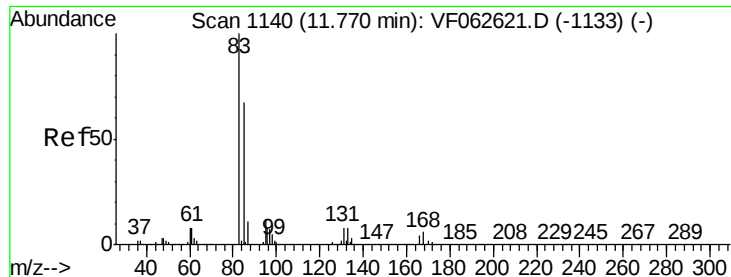
43 100

70 20.3 30.9 46.3#

55 70.2 17.0 25.4#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 143.479 ug/l

RT: 11.82 min Scan# 1144

Delta R.T. 0.05 min

Lab File: VF062727.D

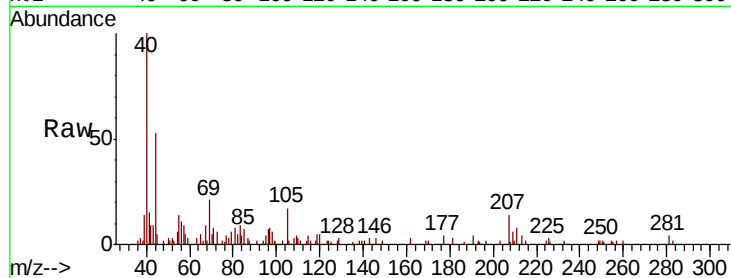
Acq: 23 May 2019 15:24

Instrument :

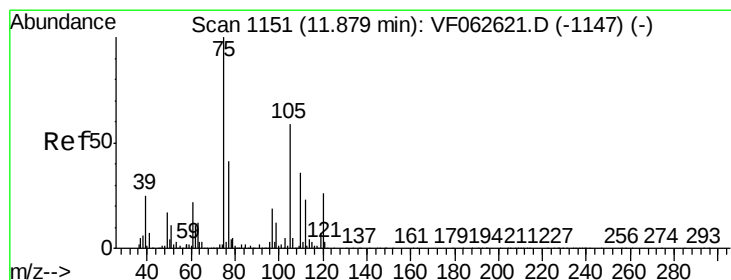
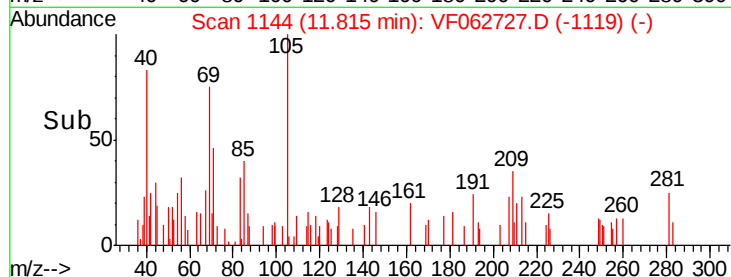
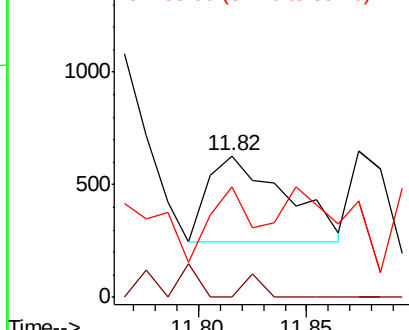
MSVOA_F

ClientSampled :

Tot Ion:	83	Resp:	952
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.0#
85	78.4	33.5	100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 33.947 ug/l

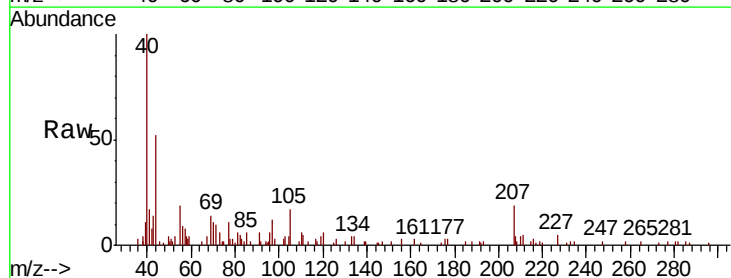
RT: 11.89 min Scan# 1152

Delta R.T. 0.02 min

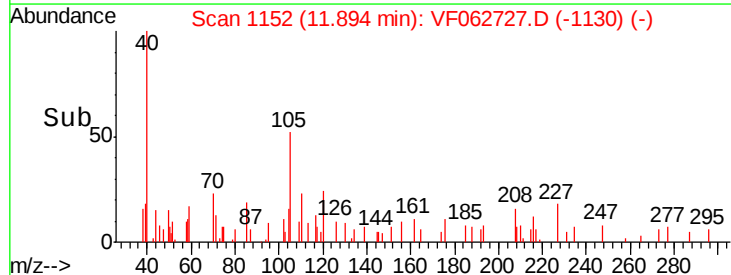
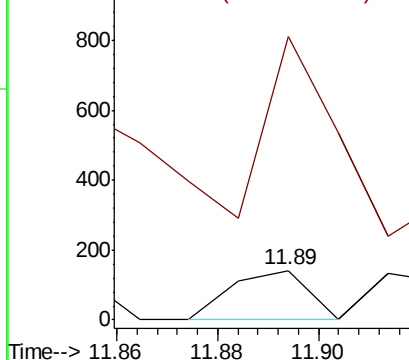
Lab File: VF062727.D

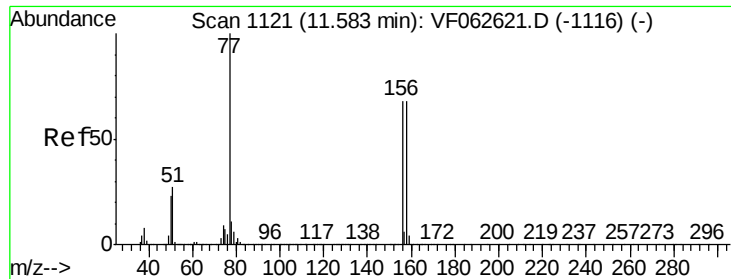
Acq: 23 May 2019 15:24

Tgt Ion:	75	Resp:	148
Ion	Ratio	Lower	Upper
75	100		
77	574.5	20.6	61.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 72.735 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

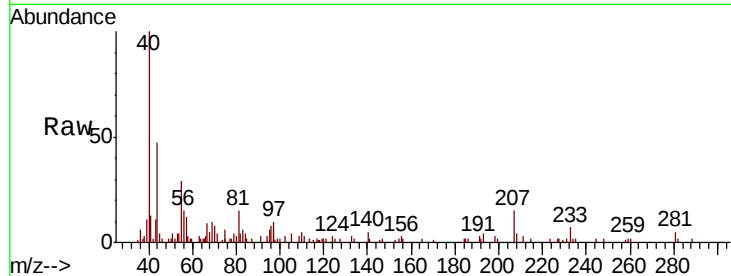
Tot Ion:156 Resp: 587

Ion Ratio Lower Upper

156 100

77 42.7 73.6 220.8#

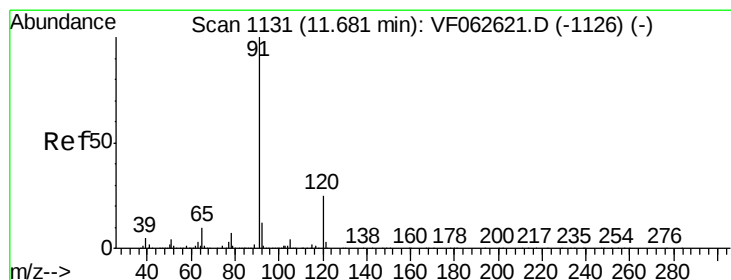
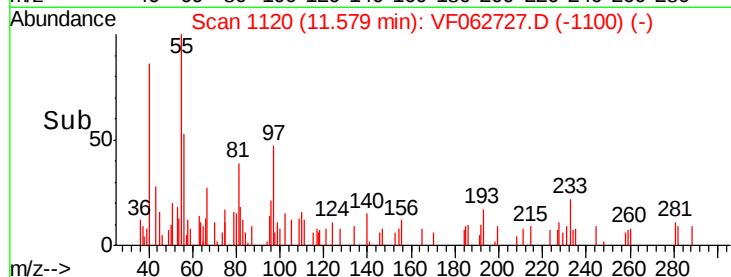
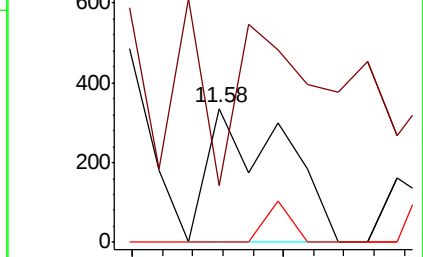
158 0.0 49.6 148.8#



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: 37.919 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062727.D

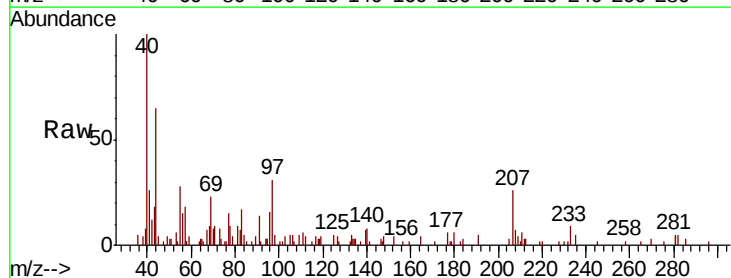
Acq: 23 May 2019 15:24

Tgt Ion: 91 Resp: 1457

Ion Ratio Lower Upper

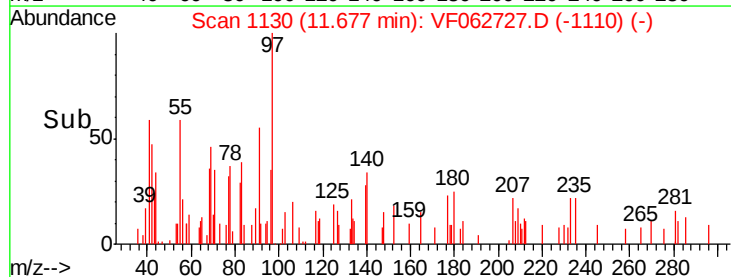
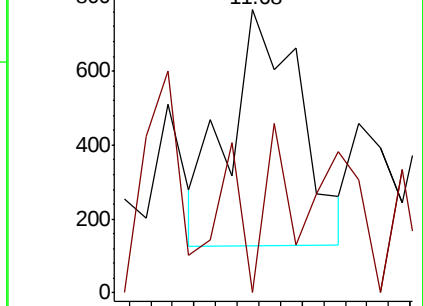
91 100

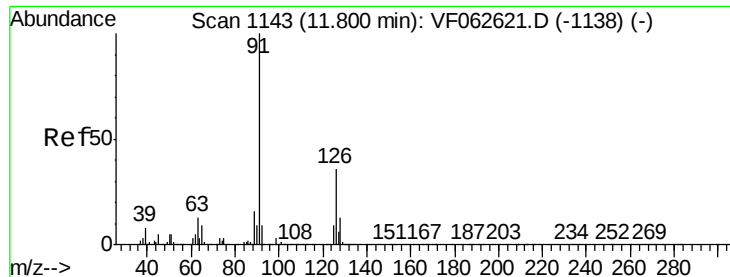
120 0.0 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.765 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.09 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

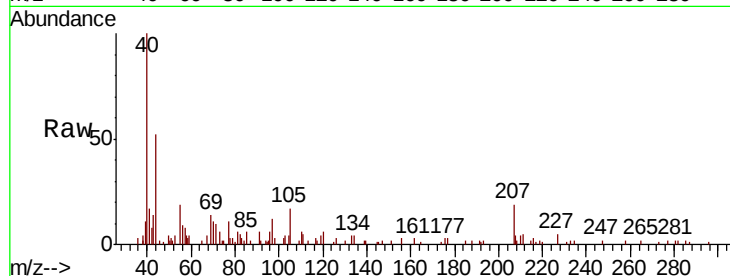
ClientSampled :

Tot Ion: 91 Resp: 428

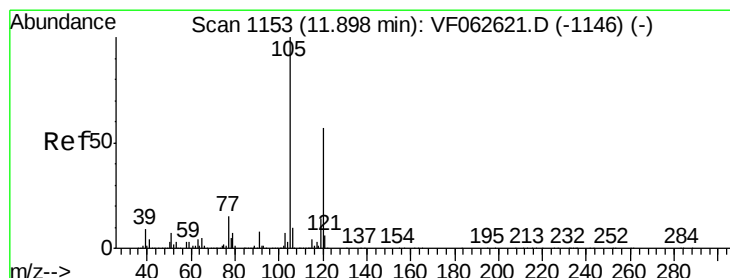
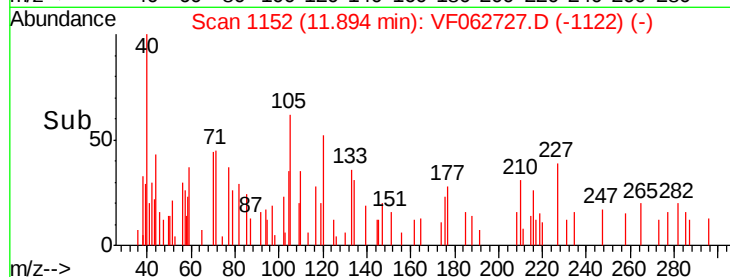
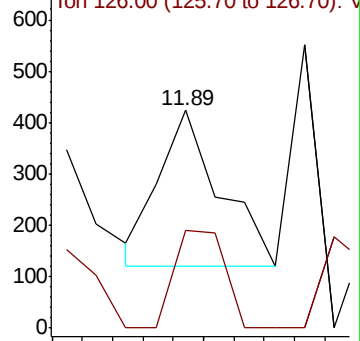
Ion Ratio Lower Upper

91 100

126 45.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0



#80

1,3,5-Trimethylbenzene

Concen: 96.452 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062727.D

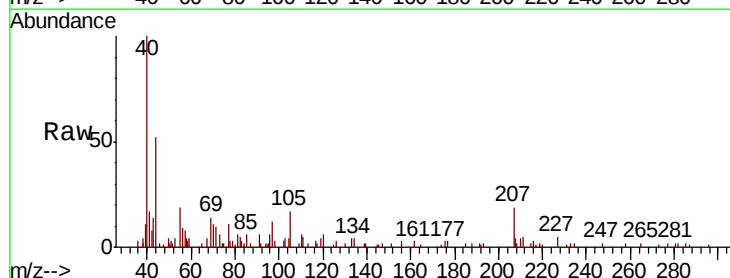
Acq: 23 May 2019 15:24

Tgt Ion:105 Resp: 2511

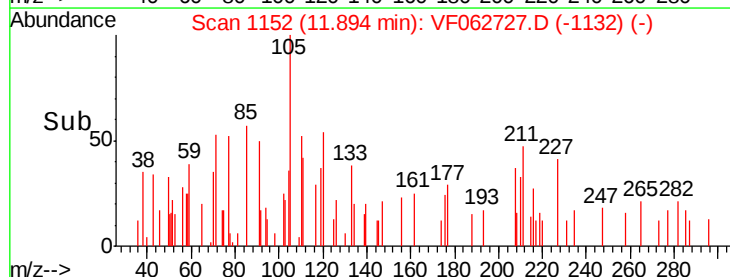
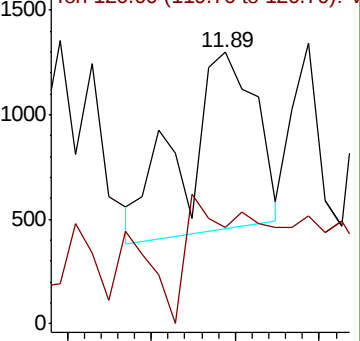
Ion Ratio Lower Upper

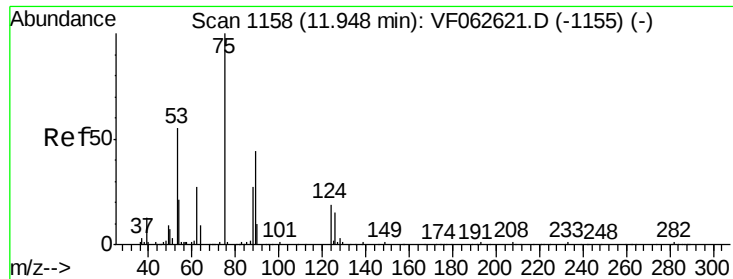
105 100

120 35.6 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 115.588 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

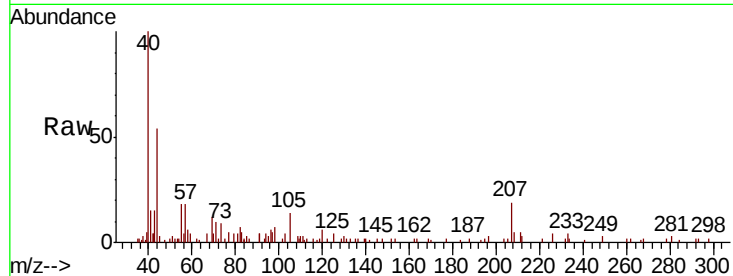
Tot Ion: 75 Resp: 224

Ion Ratio Lower Upper

75 100

53 124.4 46.9 70.3#

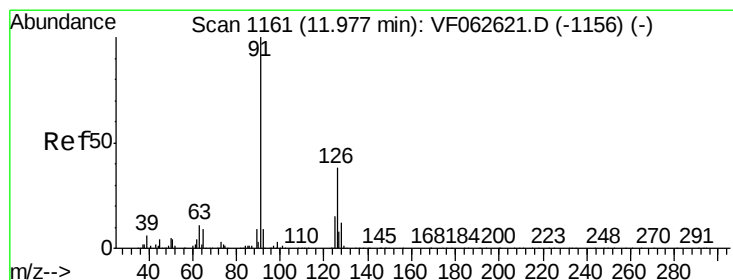
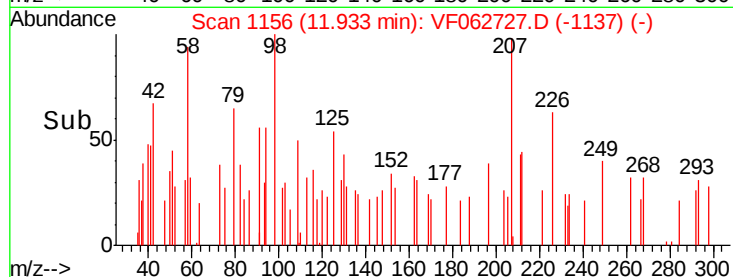
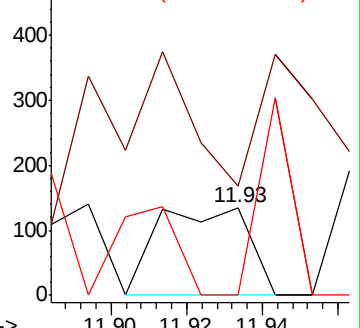
89 0.0 36.4 54.6#



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: 20.043 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.08 min

Lab File: VF062727.D

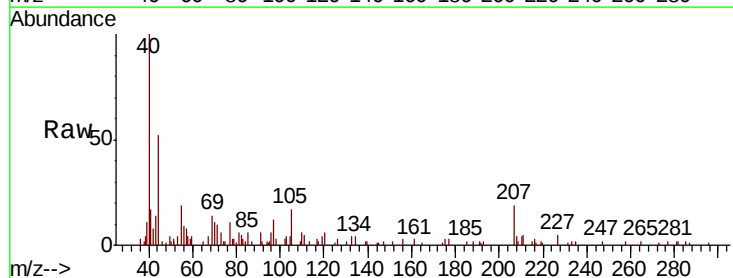
Acq: 23 May 2019 15:24

Tgt Ion: 91 Resp: 428

Ion Ratio Lower Upper

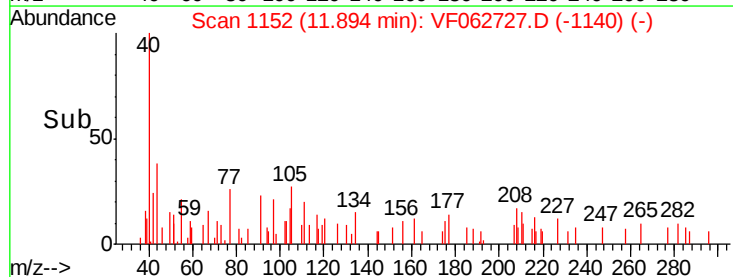
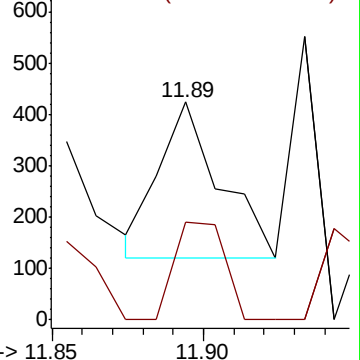
91 100

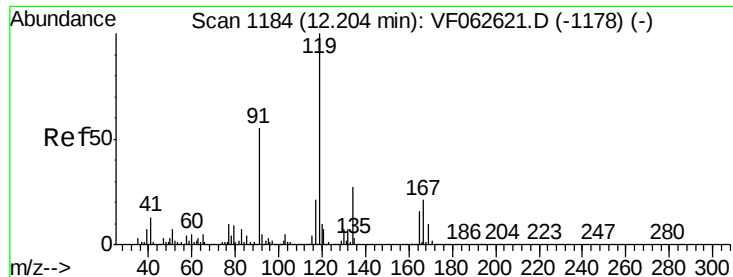
126 45.0 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

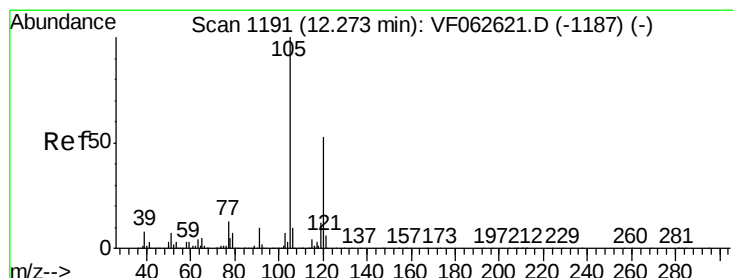
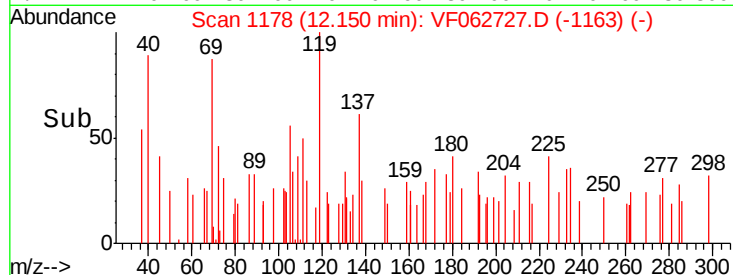
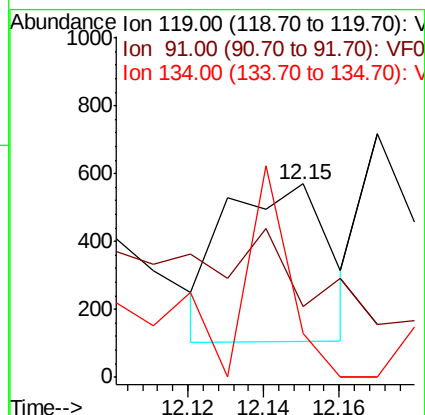
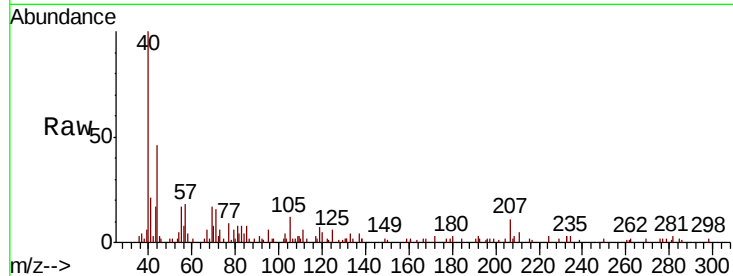




#83
tert-Butylbenzene
Concen: 33.355 ug/l
RT: 12.15 min Scan# 1178
Delta R.T. -0.05 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

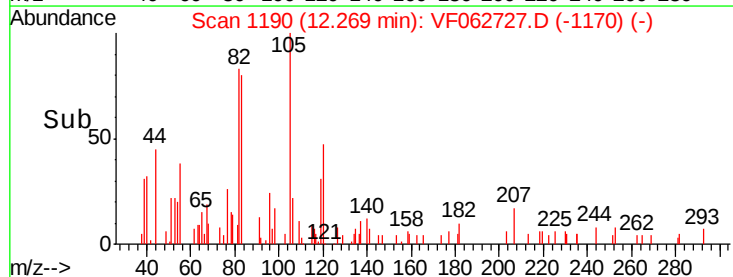
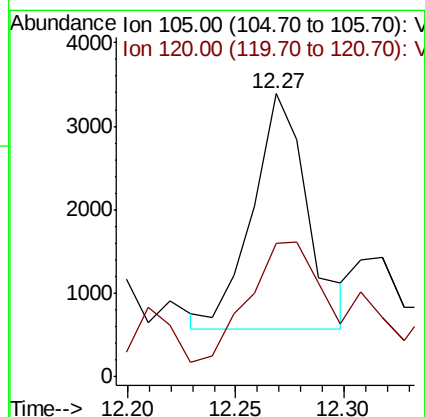
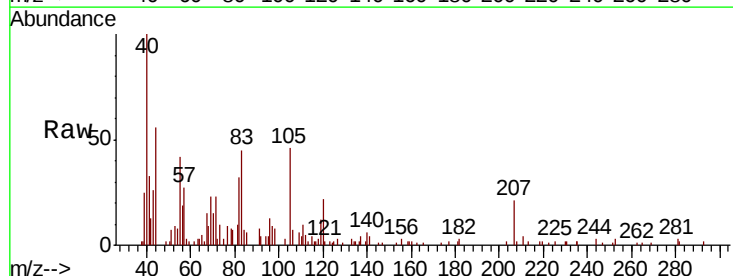
Instrument :
MSVOA_F
ClientSampleId :

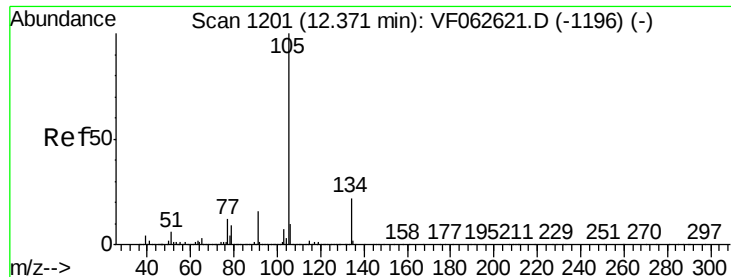
Tot Ion:119 Resp: 881
Ion Ratio Lower Upper
119 100
91 36.3 27.3 81.9
134 22.8 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 199.427 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062727.D
Acq: 23 May 2019 15:24

Tgt Ion:105 Resp: 5025
Ion Ratio Lower Upper
105 100
120 47.3 26.7 80.1

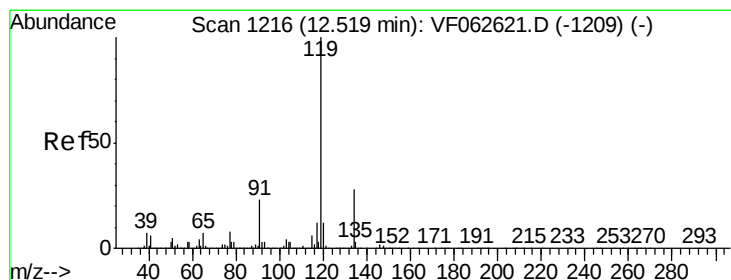
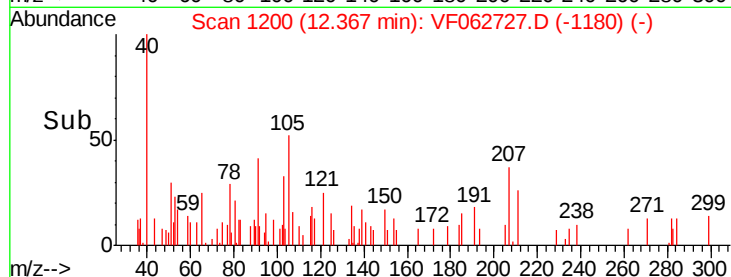
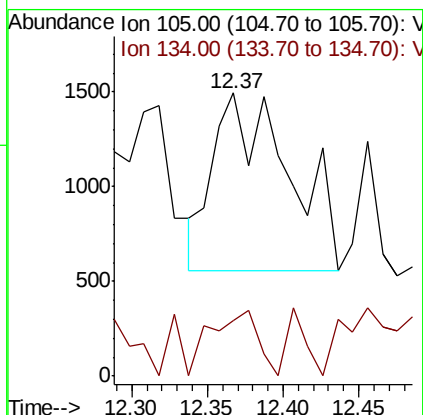
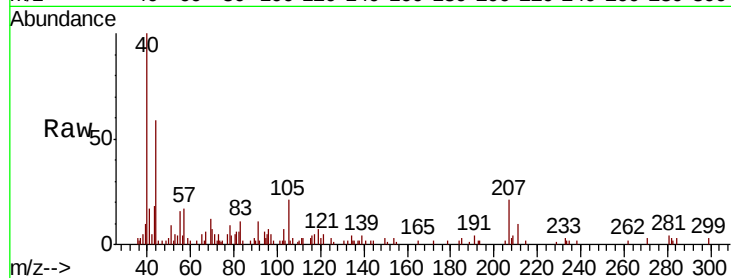




#85
 sec-Butylbenzene
 Concen: 92.140 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

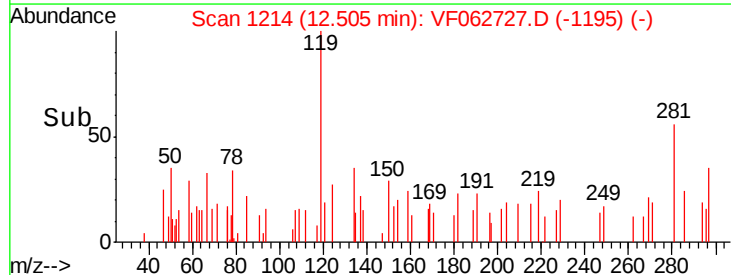
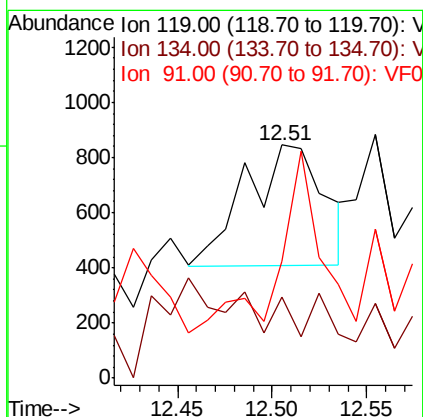
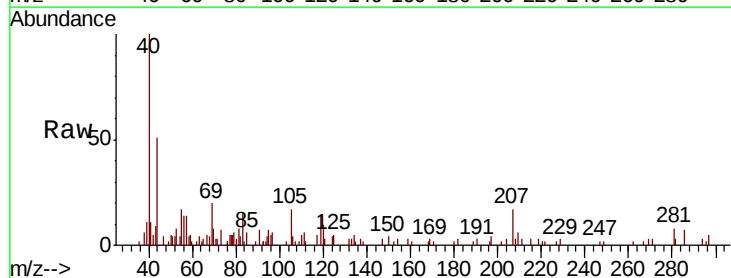
Instrument :
 MSVOA_F
 ClientSampleId :

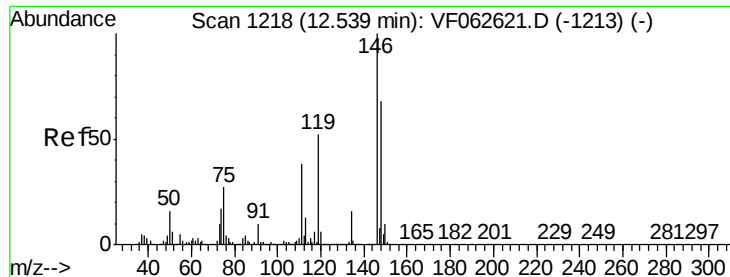
Tot Ion:105 Resp: 3266
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 42.514 ug/l
 RT: 12.51 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion:119 Resp: 1270
 Ion Ratio Lower Upper
 119 100
 134 34.6 14.1 42.3
 91 50.2 11.4 34.2#

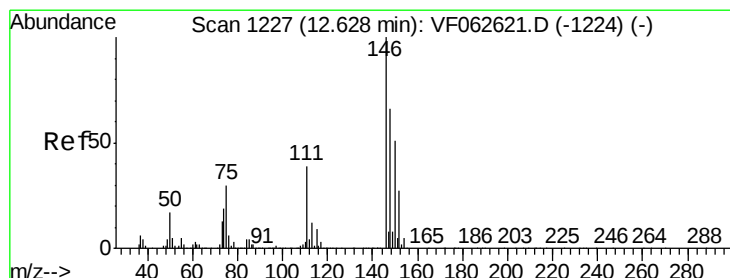
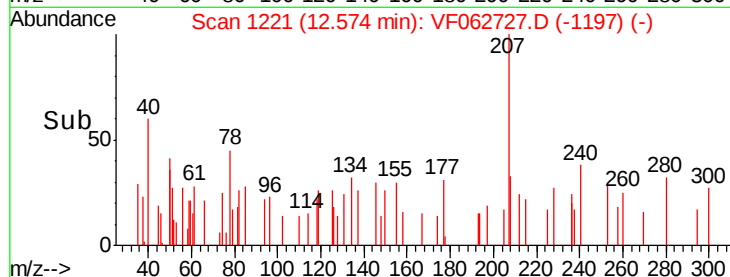
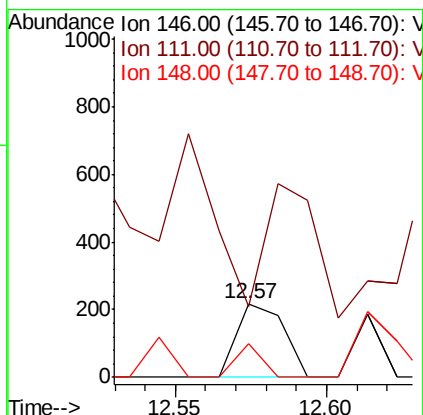
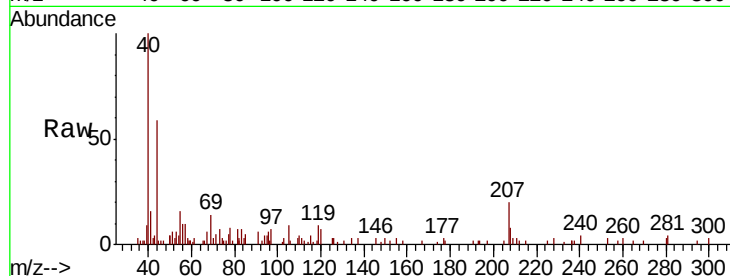




#87
 1,3-Dichlorobenzene
 Concen: 16.232 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.04 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

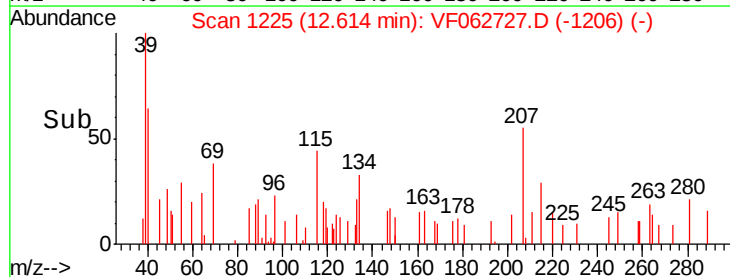
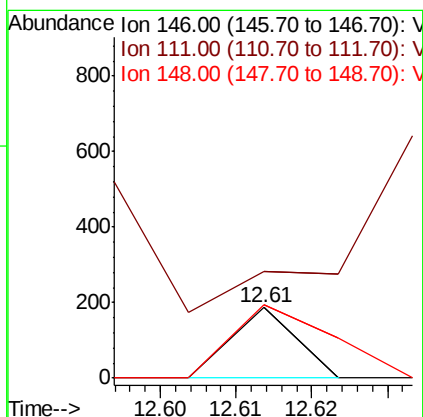
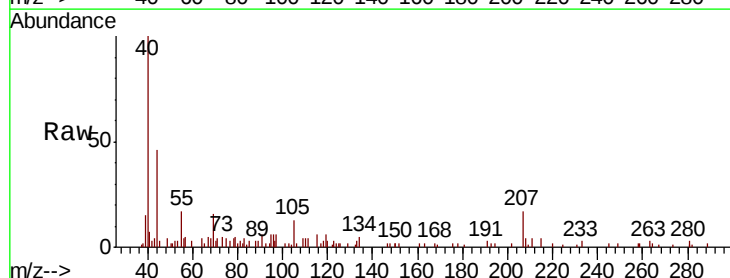
Instrument :
 MSVOA_F
 ClientSampleId :

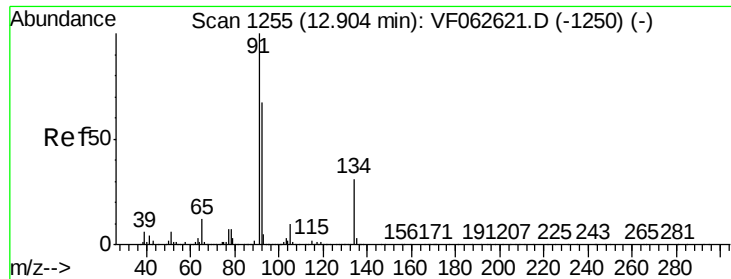
Tot Ion:146 Resp: 237
 Ion Ratio Lower Upper
 146 100
 111 96.3 18.9 56.9#
 148 46.5 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 8.101 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062727.D
 Acq: 23 May 2019 15:24

Tgt Ion:146 Resp: 111
 Ion Ratio Lower Upper
 146 100
 111 151.3 19.4 58.2#
 148 103.7 33.2 99.6#





#89

n-Butylbenzene

Concen: 23.563 ug/l

RT: 12.88 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

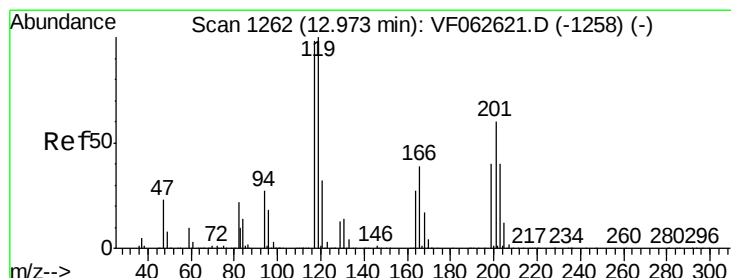
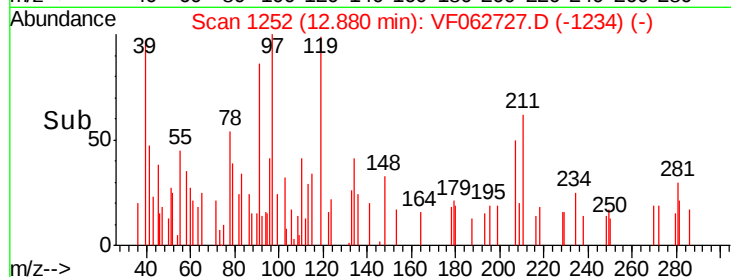
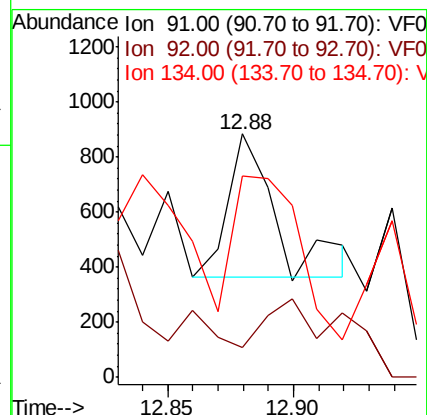
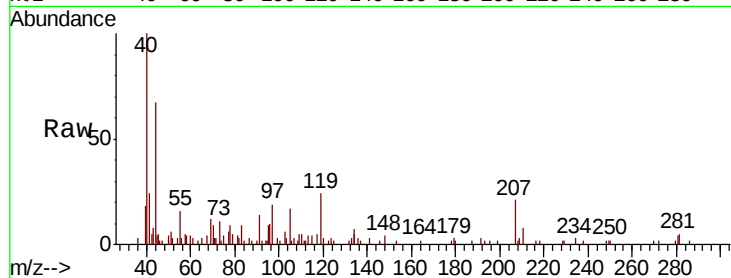
Tot Ion: 91 Resp: 694

Ion Ratio Lower Upper

91 100

92 12.2 33.3 99.8#

134 82.7 15.4 46.4#



#90

Hexachloroethane

Concen: 79.263 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062727.D

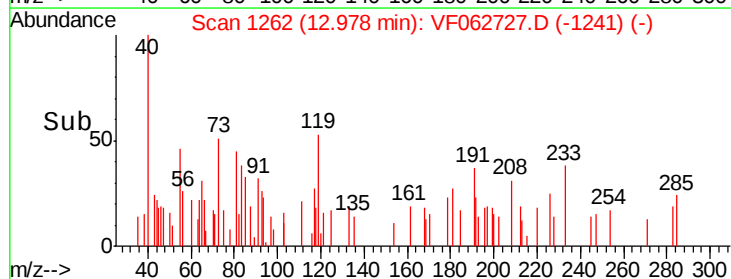
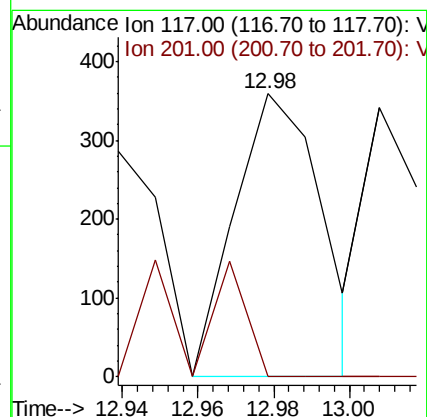
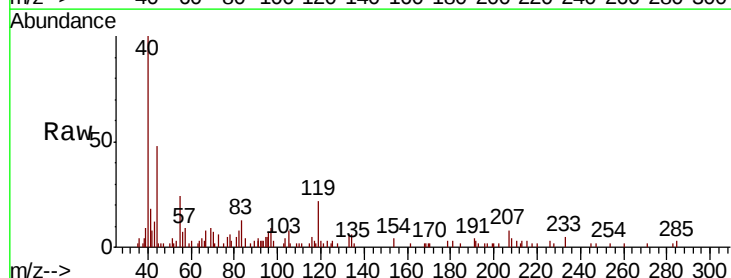
Acq: 23 May 2019 15:24

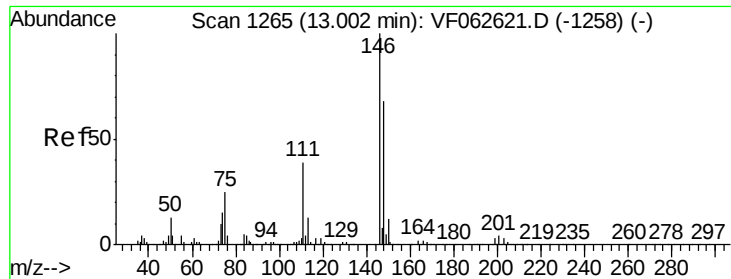
Tgt Ion: 117 Resp: 568

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 16.750 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062727.D

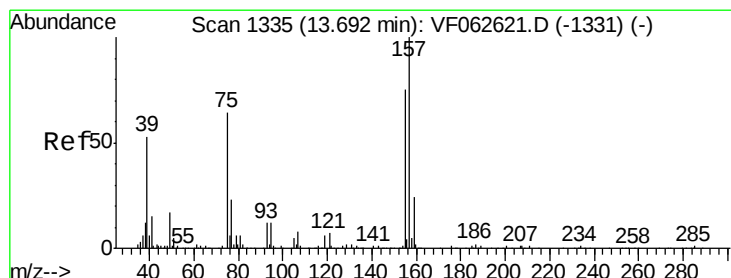
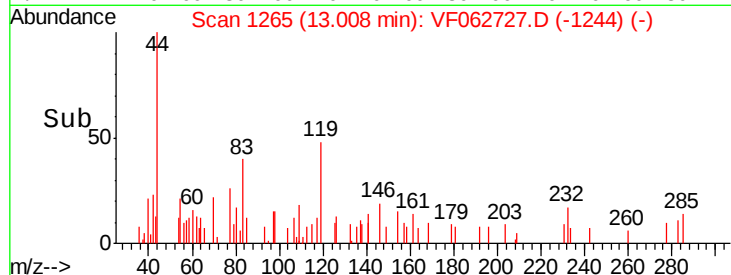
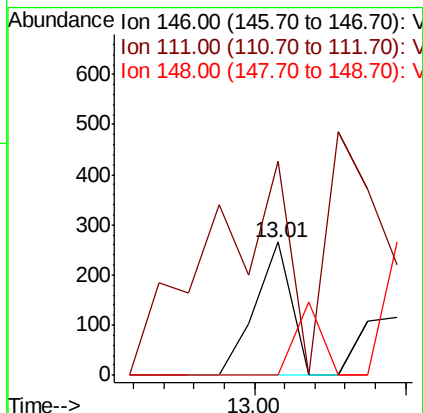
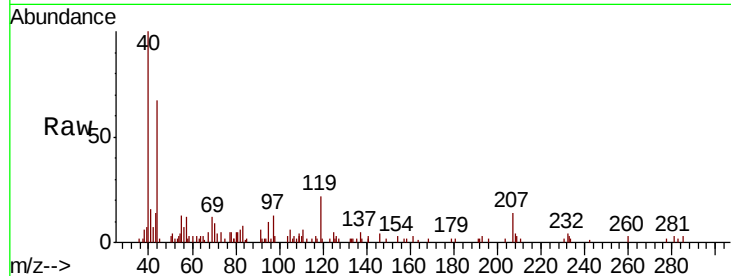
Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	218
Ion	Ratio	Lower	Upper
146	100		
111	160.9	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 880.556 ug/l

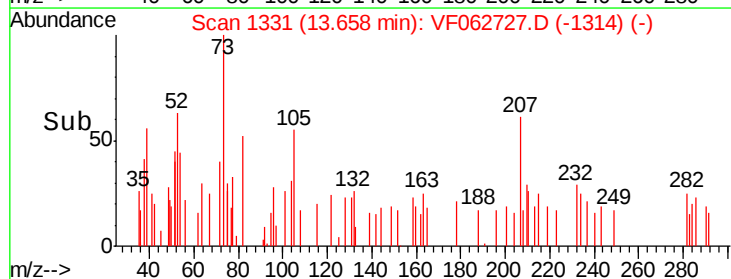
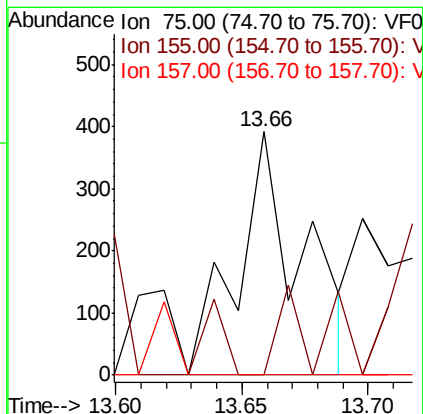
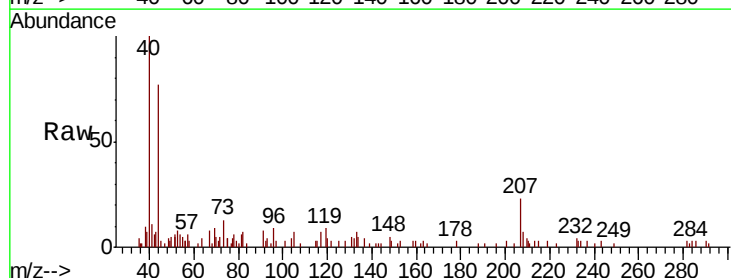
RT: 13.66 min Scan# 1331

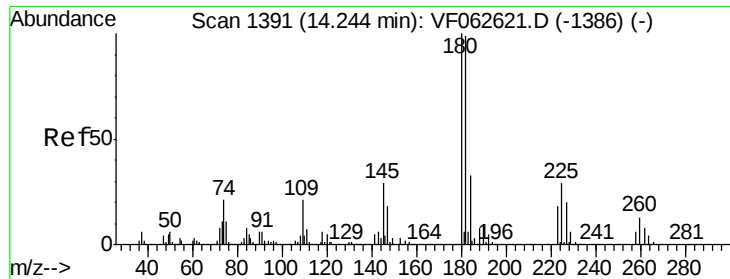
Delta R.T. -0.03 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:	75	Resp:	697
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	0.0	77.8	233.4#





#93

1,2,4-Trichlorobenzene

Concen: 6.548 ug/l

RT: 14.22 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VF062727.D

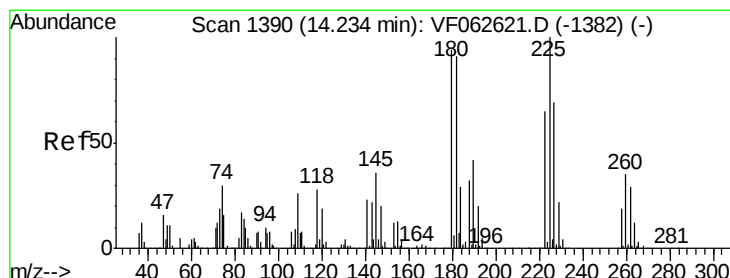
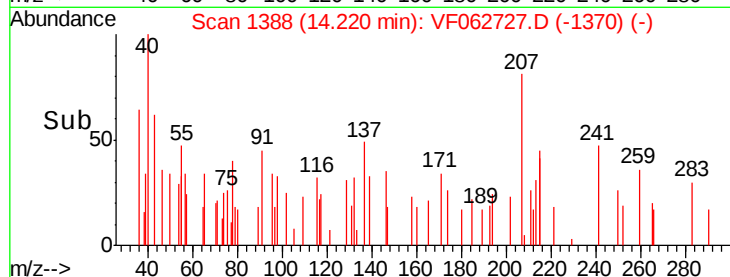
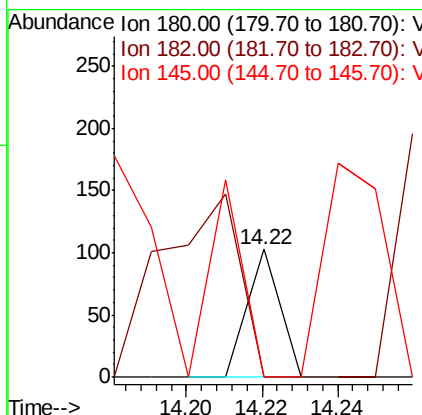
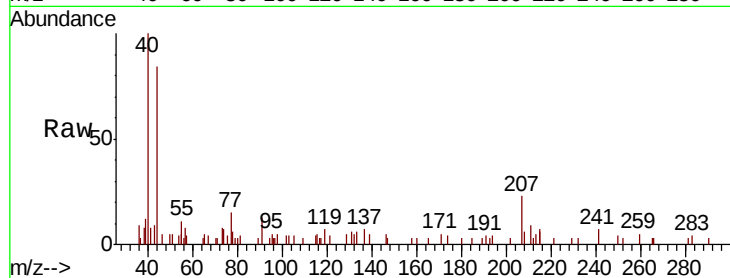
Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.6	44.0#



#94

Hexachlorobutadiene

Concen: 16.150 ug/l

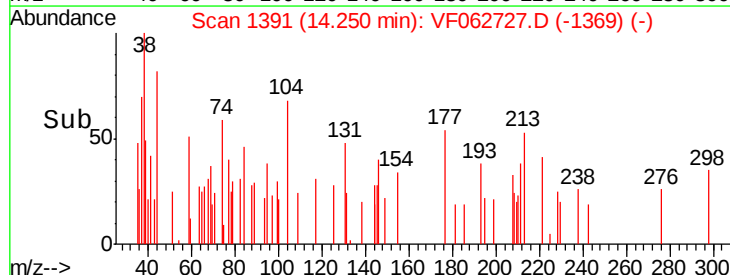
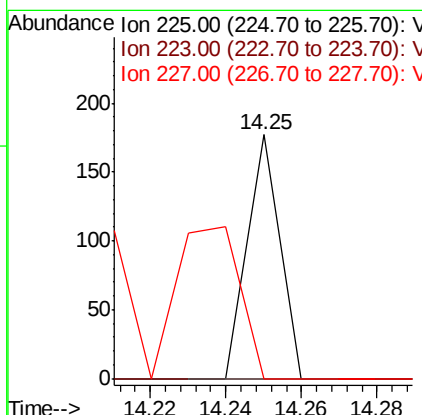
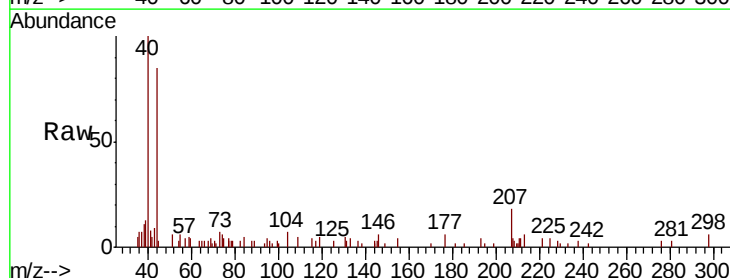
RT: 14.25 min Scan# 1391

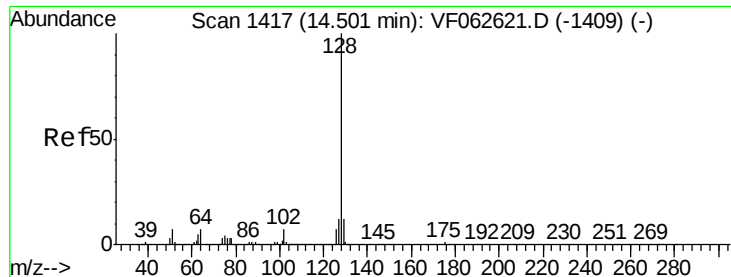
Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.5	97.4#
227	0.0	34.5	103.5#





#95

Naphthalene

Concen: 23.575 ug/l

RT: 14.52 min Scan# 1418

Delta R.T. 0.02 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Instrument :

MSVOA_F

ClientSampled :

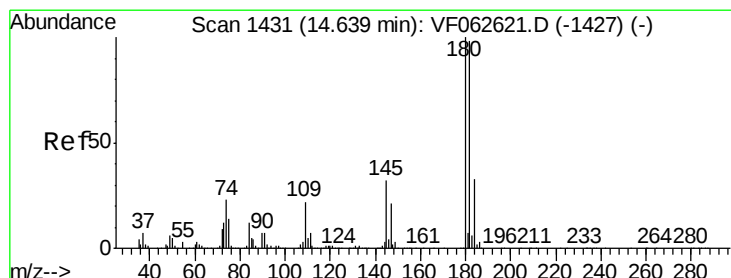
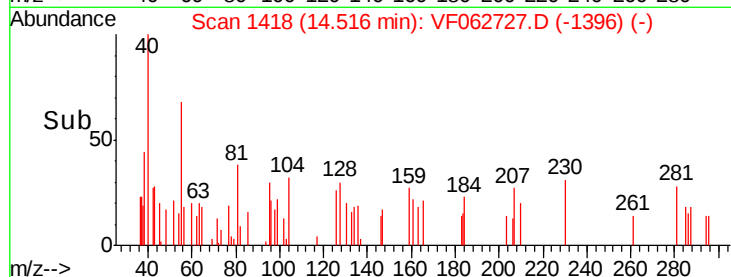
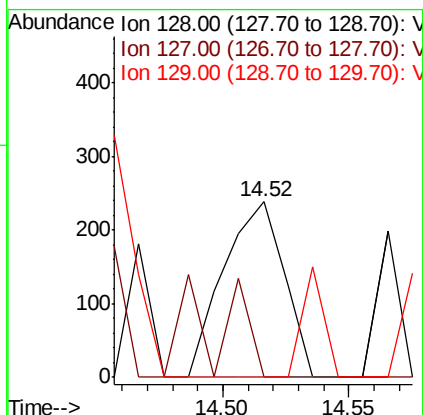
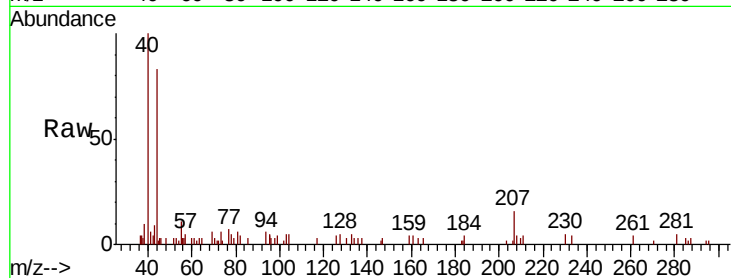
Tot Ion:128 Resp: 399

Ion Ratio Lower Upper

128 100

127 100.0 9.7 14.5#

129 0.0 9.3 13.9#



#96

1,2,3-Trichlorobenzene

Concen: 7.593 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062727.D

Acq: 23 May 2019 15:24

Tgt Ion:180 Resp: 67

Ion Ratio Lower Upper

180 100

182 105.3 48.9 146.7

145 0.0 16.1 48.2#

