

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062716.D
 Acq On : 22 May 2019 20:05
 Operator : FY/SY
 Sample : K3002-08RE
 Misc : 5.07g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 23 01:24:54 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	5.06	168	561	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	502	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	334	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.59	152	163	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	412	103.93	ug/l	-0.03
Spiked Amount			Recovery	=	207.86%	
35) Dibromofluoromethane	4.29	113	108	28.12	ug/l	-0.03
Spiked Amount			Recovery	=	56.24%	
50) Toluene-d8	7.70	98	96	10.47	ug/l	-0.02
Spiked Amount			Recovery	=	20.94%	
62) 4-Bromofluorobenzene	11.50	95	228	65.55	ug/l	0.00
Spiked Amount			Recovery	=	131.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	214	28.031	ug/l #	41
3) Chloromethane	1.15	50	885	125.896	ug/l #	55
4) Vinyl Chloride	1.18	62	474	73.254	ug/l #	41
5) Bromomethane	1.37	94	288	81.359	ug/l	90
6) Chloroethane	1.46	64	1406	591.636	ug/l	90
7) Trichlorofluoromethane	1.54	101	296	34.069	ug/l #	21
8) Diethyl Ether	1.74	74	190	110.388	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.89	101	86	15.545	ug/l #	23
10) Methyl Iodide	1.98	142	264	24.292	ug/l #	1
11) Tert butyl alcohol	2.68	59	377	1440.435	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	664	131.756	ug/l #	20
13) Acrolein	2.16	56	688	2518.253	ug/l	91
14) Allyl chloride	2.23	41	1654	362.629	ug/l #	44
15) Acrylonitrile	3.08	53	152	205.883	ug/l #	67
16) Acetone	2.36	43	987	959.680	ug/l #	47
17) Carbon Disulfide	1.91	76	208	13.925	ug/l #	1
18) Methyl Acetate	2.45	43	1055	652.778	ug/l #	23
19) Methyl tert-butyl Ether	2.60	73	1181	131.090	ug/l #	60
20) Methylene Chloride	2.32	84	344	66.730	ug/l #	57
21) trans-1,2-Dichloroethene	2.43	96	468	95.010	ug/l #	10
22) Diisopropyl ether	2.95	45	643	57.158	ug/l #	74
23) Vinyl Acetate	3.34	43	993	130.854	ug/l #	73
24) 1,1-Dichloroethane	3.01	63	305	36.958	ug/l #	11
25) 2-Butanone	4.52	43	1719	782.318	ug/l #	2
26) 2,2-Dichloropropane	3.80	77	1162	246.090	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	184	22.709	ug/l	65
28) Bromochloromethane	3.77	49	155	33.488	ug/l	88
29) Tetrahydrofuran	4.26	42	852	958.189	ug/l #	30
30) Chloroform	4.06	83	245	21.382	ug/l #	16
31) Cyclohexane	3.86	56	768	69.309	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	422	55.457	ug/l #	74
36) 1,1-Dichloropropene	4.49	75	527	102.451	ug/l #	40
37) Ethyl Acetate	4.27	43	827	393.756	ug/l #	43
38) Carbon Tetrachloride	4.16	117	115	29.726	ug/l #	10

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	130	21.003	ug/l #	1
40) Benzene	4.83	78	663	47.311	ug/l #	1
41) Methacrylonitrile	4.91	41	1661	1508.464	ug/l #	22
42) 1,2-Dichloroethane	5.17	62	548	196.098	ug/l	71
43) Isopropyl Acetate	7.12	43	1304	479.236	ug/l #	71
44) Trichloroethene	5.69	130	62	15.742	ug/l	1
45) 1,2-Dichloropropane	6.41	63	200	56.537	ug/l #	42
46) Dibromomethane	6.25	93	96	46.957	ug/l #	21
47) Bromodichloromethane	6.57	83	452	106.497	ug/l #	25
48) Methyl methacrylate	6.88	41	564	396.564	ug/l #	47
49) 1,4-Dioxane	6.85	88	63	3458.562	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	1753	942.521	ug/l #	61
52) Toluene	7.77	92	78	10.613	ug/l #	1
53) t-1,3-Dichloropropene	8.45	75	501	144.285	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	276	56.783	ug/l #	1
55) 1,1,2-Trichloroethane	8.55	97	232	106.616	ug/l #	52
56) Ethyl methacrylate	8.74	69	344	132.692	ug/l #	31
57) 1,3-Dichloropropane	8.97	76	335	90.383	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.38	63	230	272.560	ug/l #	61
59) 2-Hexanone	9.48	43	716	617.932	ug/l	91
60) Dibromochloromethane	8.80	129	87	30.676	ug/l	94
61) 1,2-Dibromoethane	9.11	107	182	78.744	ug/l #	3
64) Tetrachloroethene	8.27	164	241	91.080	ug/l #	30
65) Chlorobenzene	9.92	112	98	14.939	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.08	131	62	23.543	ug/l #	1
67) Ethyl Benzene	10.03	91	192	16.848	ug/l #	57
68) m/p-Xylenes	10.33	106	364	84.983	ug/l #	21
69) o-Xylene	10.96	106	171	38.760	ug/l	37
70) Styrene	10.91	104	80	11.930	ug/l #	33
71) Bromoform	10.84	173	160	121.307	ug/l #	27
73) Isopropylbenzene	11.17	105	334	28.590	ug/l #	45
74) N-amyl acetate	11.47	43	647	237.951	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.76	83	144	60.315	ug/l #	33
76) 1,2,3-Trichloropropane	11.93	75	349	222.474	ug/l	81
77) Bromobenzene	11.60	156	93	32.026	ug/l #	1
78) n-propylbenzene	11.67	91	372	26.906	ug/l #	1
79) 2-Chlorotoluene	11.80	91	62	7.957	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.99	105	264	28.182	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.84	75	332	476.118	ug/l	91
82) 4-Chlorotoluene	11.97	91	325	42.297	ug/l	75
83) tert-Butylbenzene	12.19	119	176	18.519	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.26	105	167	18.419	ug/l	76
85) sec-Butylbenzene	12.38	105	105	8.232	ug/l #	1
86) p-Isopropyltoluene	12.54	119	222	20.654	ug/l #	49
87) 1,3-Dichlorobenzene	12.51	146	132	25.125	ug/l #	23
88) 1,4-Dichlorobenzene	12.60	146	64	12.981	ug/l #	24
89) n-Butylbenzene	12.92	91	201	18.966	ug/l #	63
90) Hexachloroethane	12.82	117	143	55.459	ug/l	69
91) 1,2-Dichlorobenzene	13.05	146	70	14.947	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.68	75	189	663.585	ug/l #	1

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Quant Title : SW846 8260
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Response via : Initial Calibration

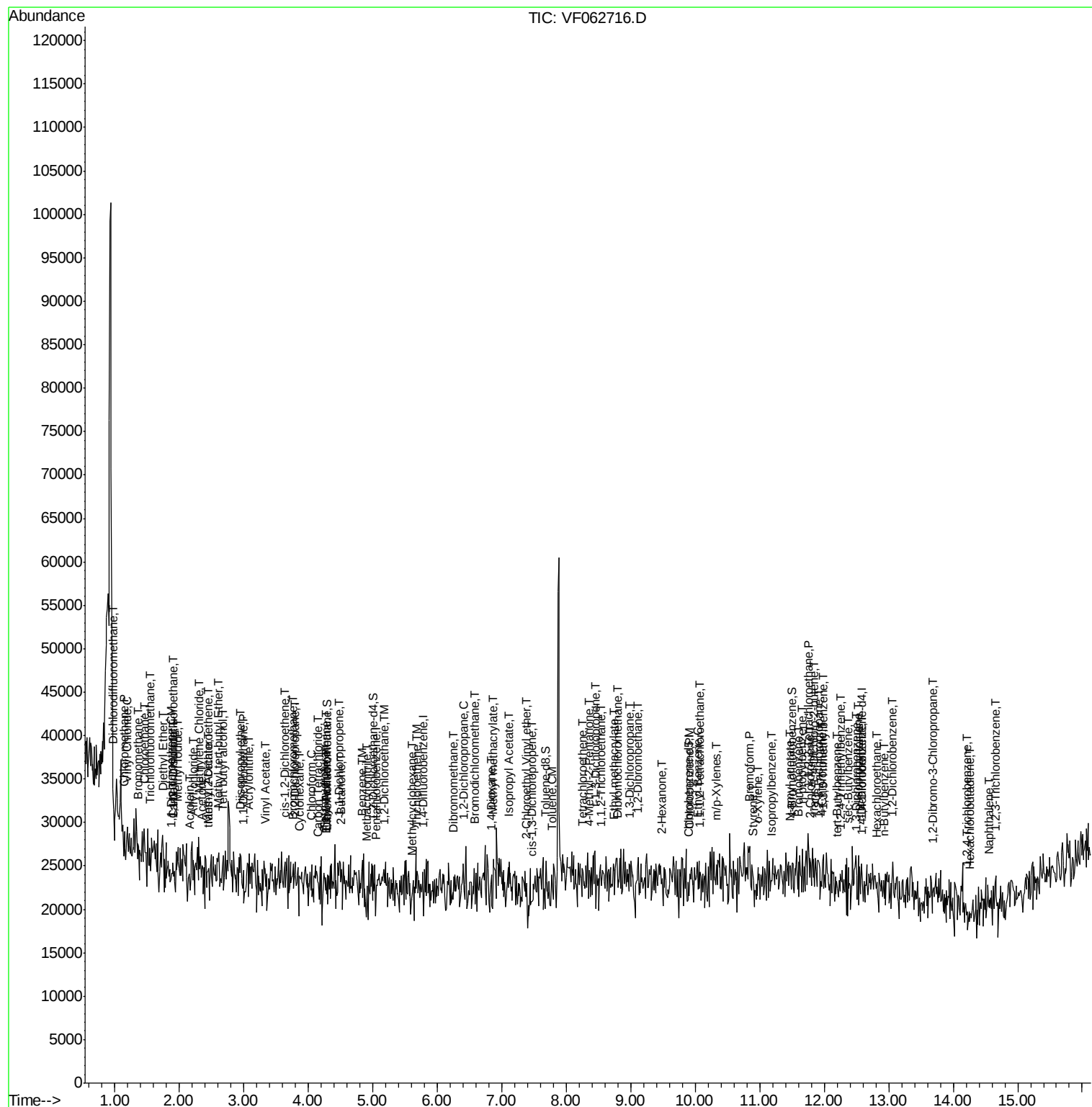
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	208	62.049	ug/l #	17
94) Hexachlorobutadiene	14.26	225	63	26.930	ug/l #	16
95) Naphthalene	14.56	128	79	12.972	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.67	180	60	18.896	ug/l #	1

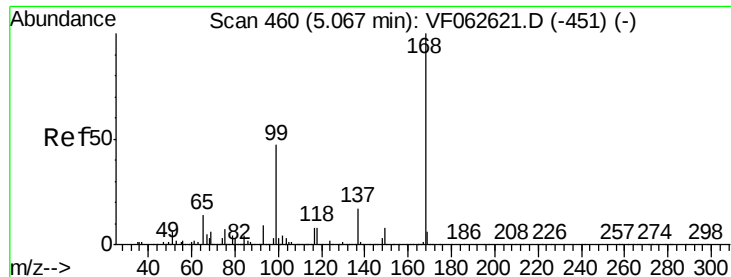
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

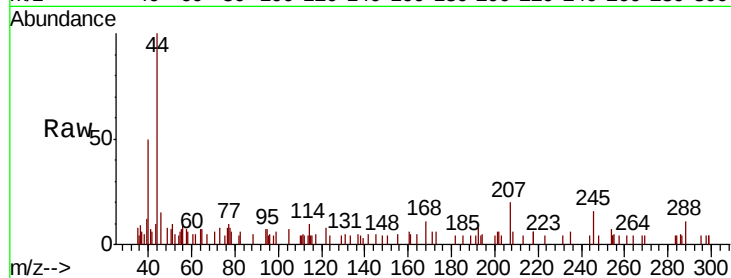
ClientSampled :

Tot Ion:168 Resp: 561

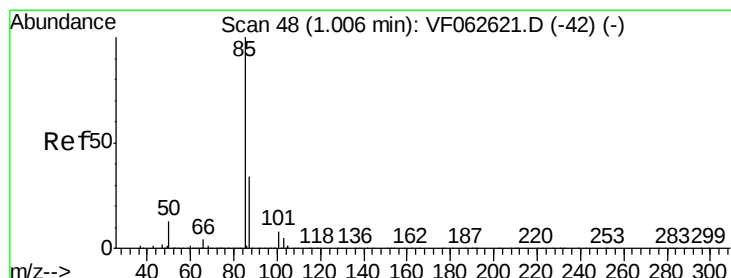
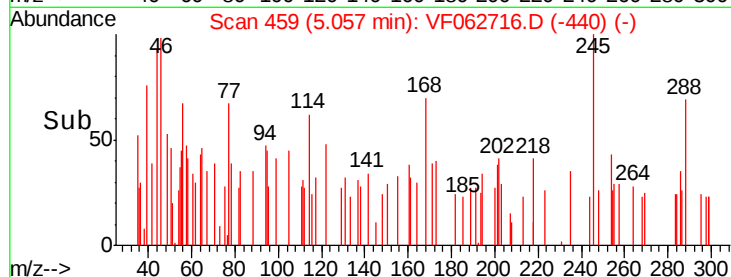
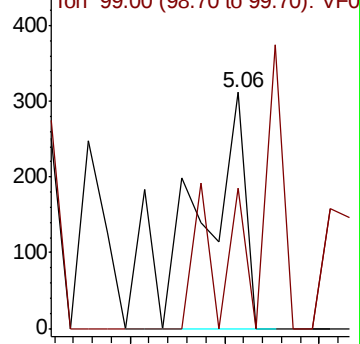
Ion Ratio Lower Upper

168 100

99 59.3 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 28.031 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF062716.D

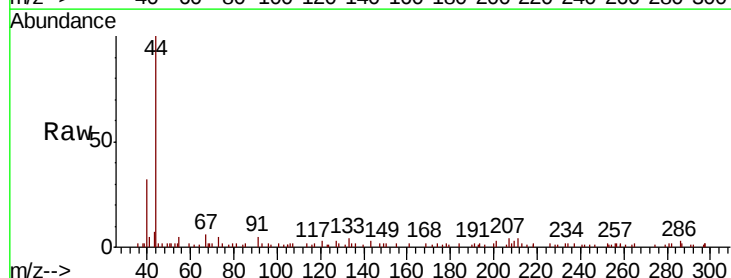
Acq: 22 May 2019 20:05

Tgt Ion: 85 Resp: 214

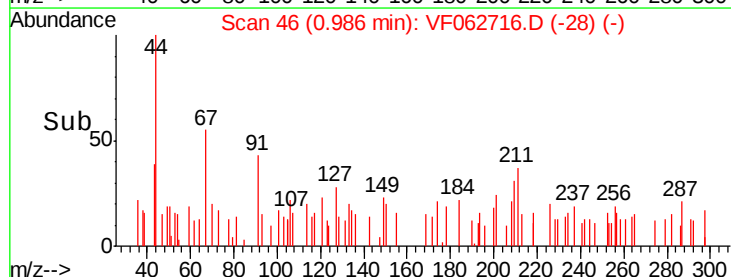
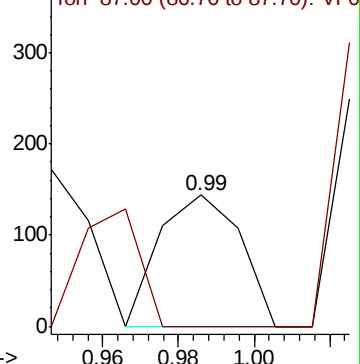
Ion Ratio Lower Upper

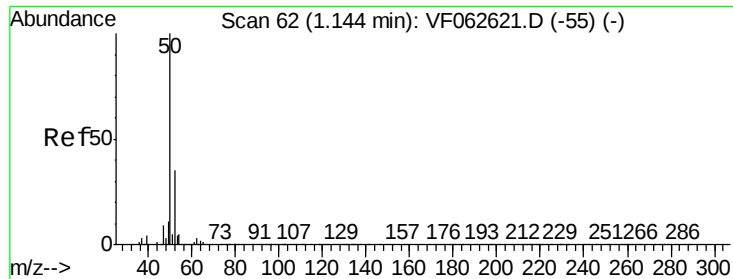
85 100

87 0.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 125.896 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

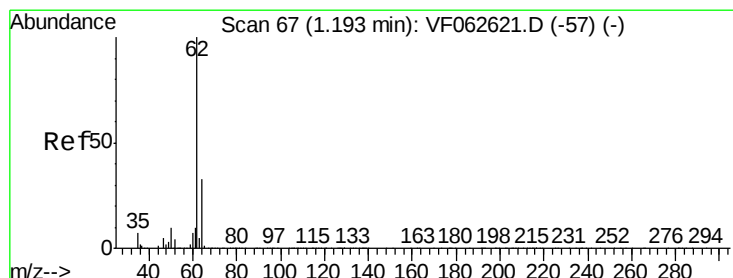
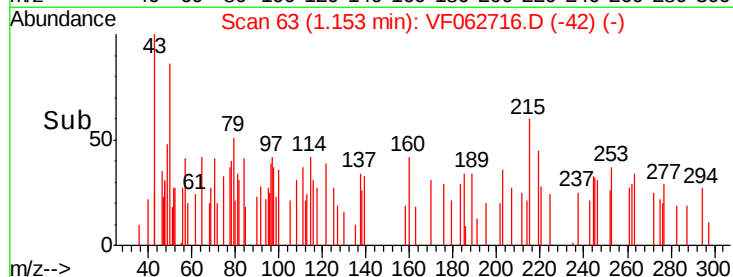
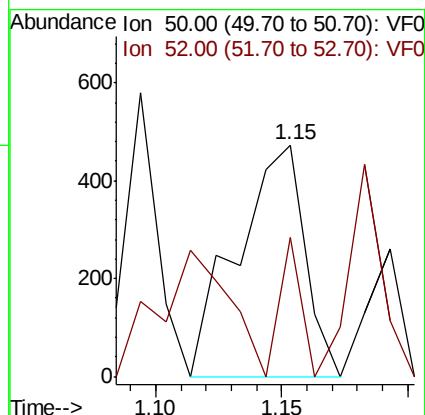
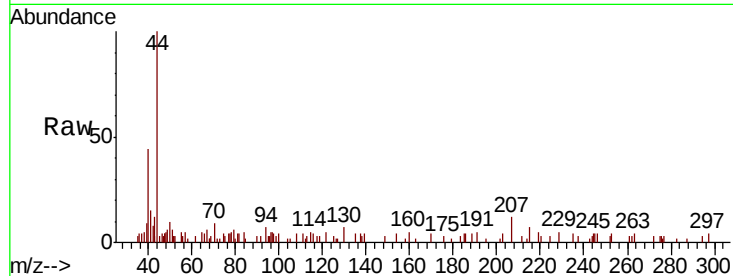
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 885

Ion Ratio Lower Upper

50 100

52 60.0 27.5 41.3#



#4

Vinyl Chloride

Concen: 73.254 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062716.D

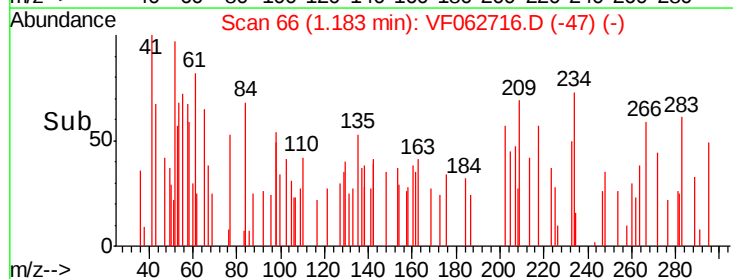
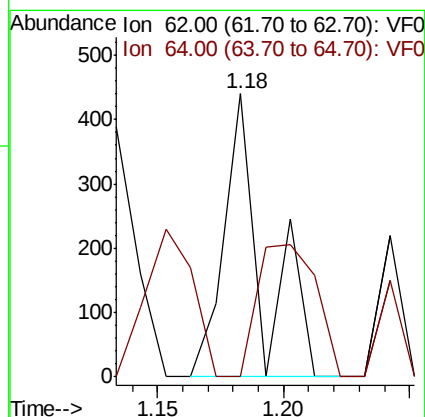
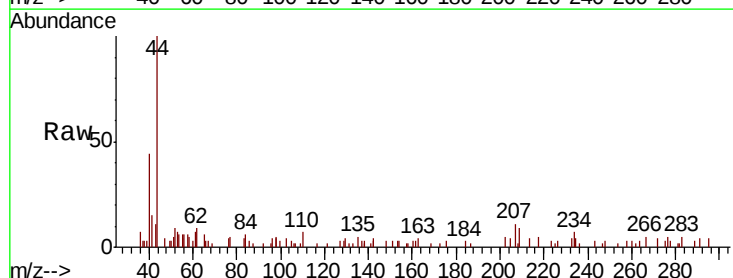
Acq: 22 May 2019 20:05

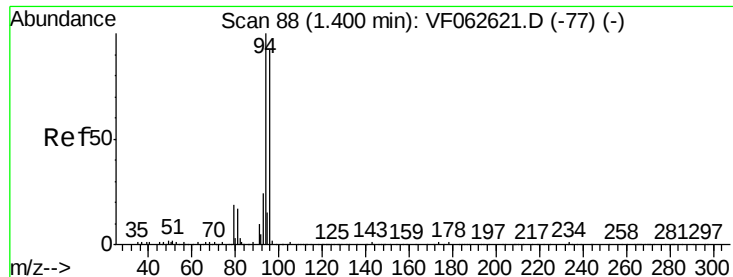
Tgt Ion: 62 Resp: 474

Ion Ratio Lower Upper

62 100

64 0.0 26.7 40.1#





#5

Bromomethane

Concen: 81.359 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

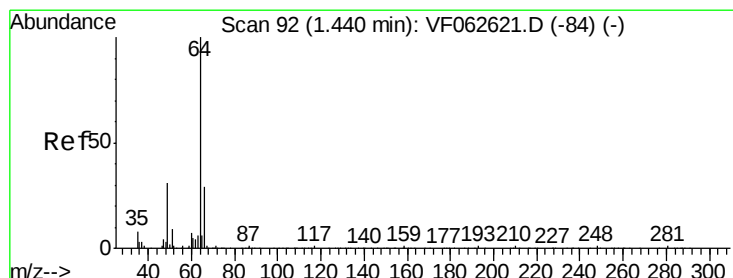
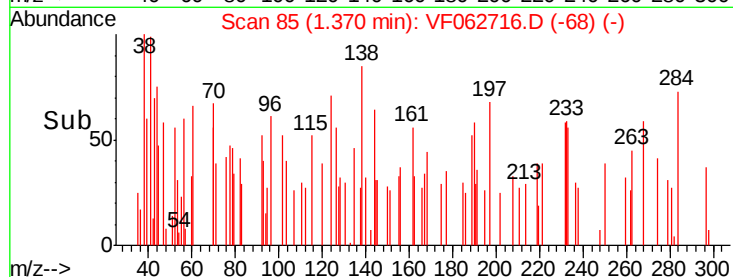
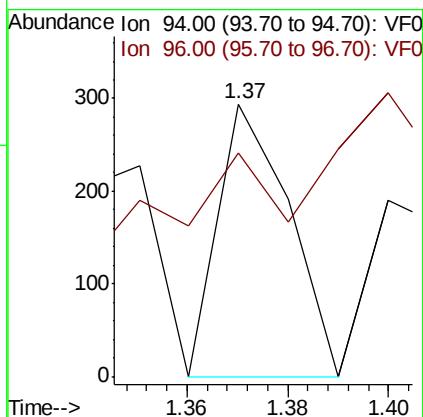
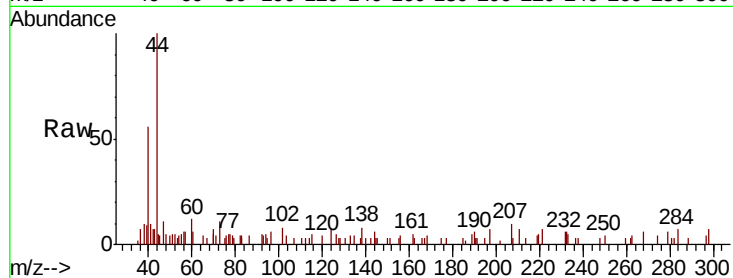
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 82.0 73.2 109.8



#6

Chloroethane

Concen: 591.636 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062716.D

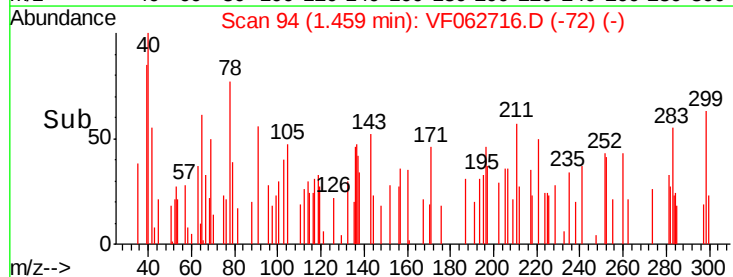
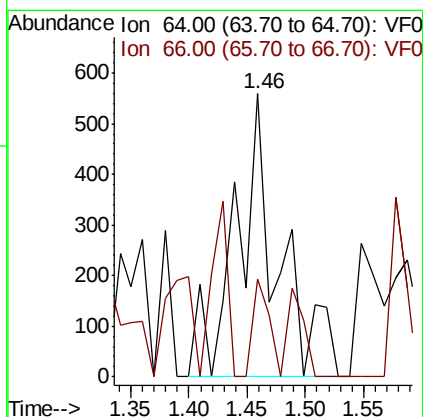
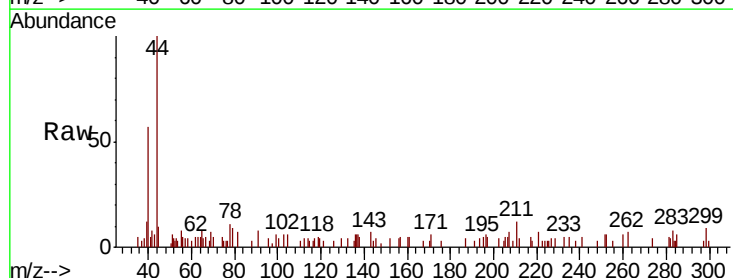
Acq: 22 May 2019 20:05

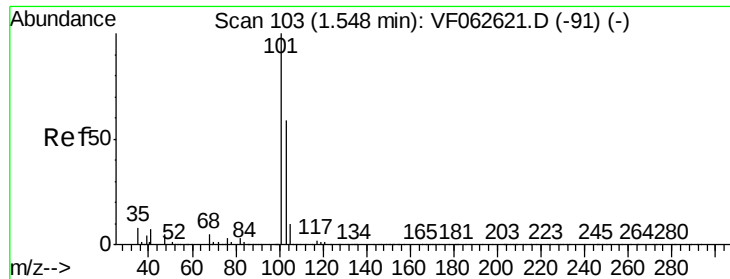
Tgt Ion: 64 Resp: 1406

Ion Ratio Lower Upper

64 100

66 34.5 23.4 35.2



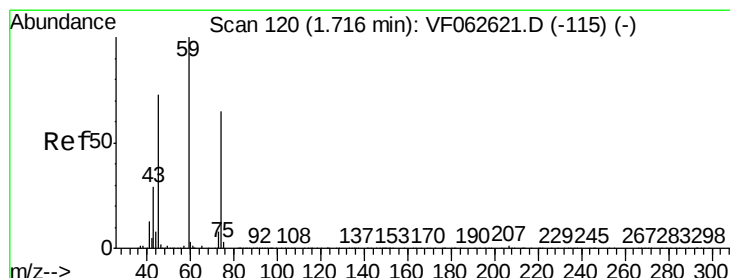
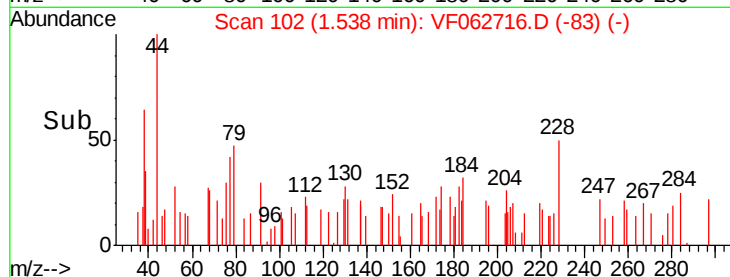
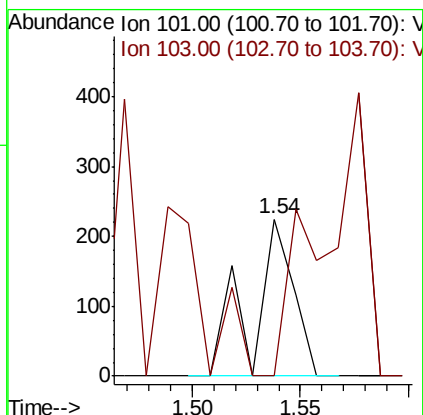
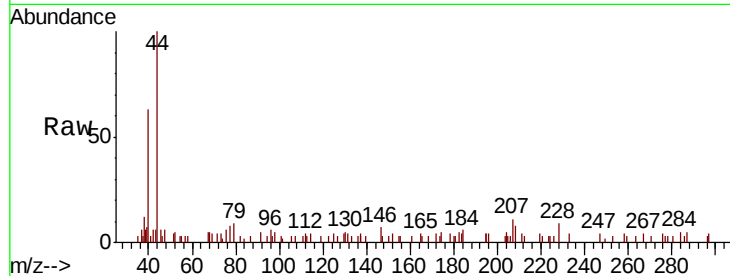


#7

Trichlorofluoromethane
 Concen: 34.069 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Instrument :
 MSVOA_F
 ClientSampled :

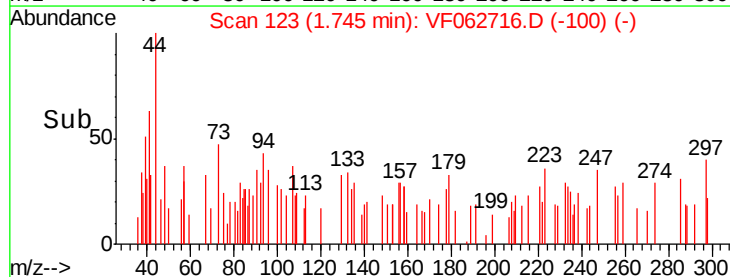
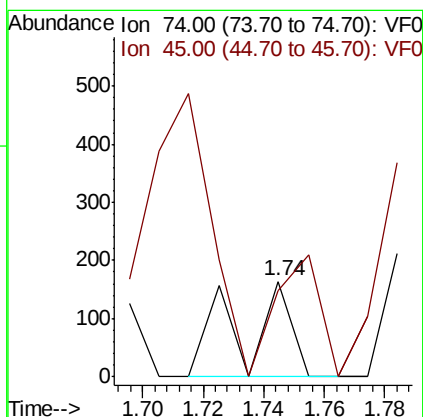
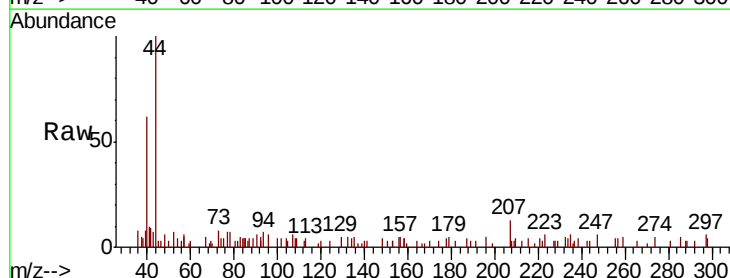
Tot Ion:101 Resp: 296
 Ion Ratio Lower Upper
 101 100
 103 0.0 47.3 70.9#

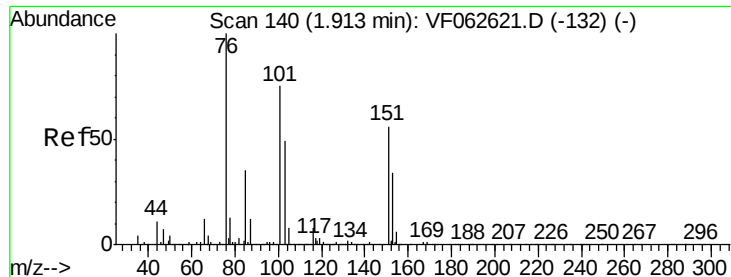


#8

Diethyl Ether
 Concen: 110.388 ug/l
 RT: 1.74 min Scan# 123
 Delta R.T. 0.03 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Tgt Ion: 74 Resp: 190
 Ion Ratio Lower Upper
 74 100
 45 90.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.545 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampled :

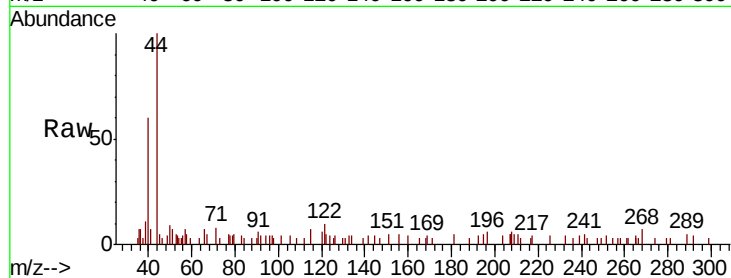
Tot Ion:101 Resp: 86

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

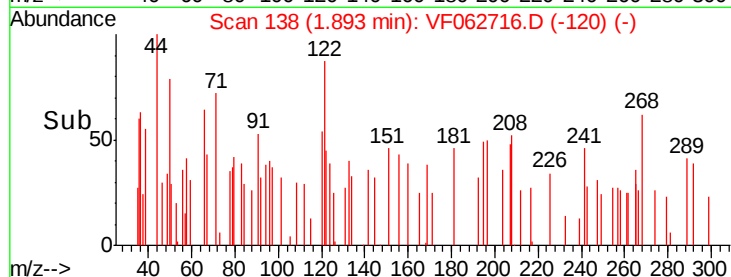
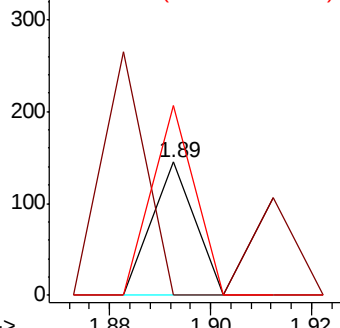
151 142.8 58.8 88.2#



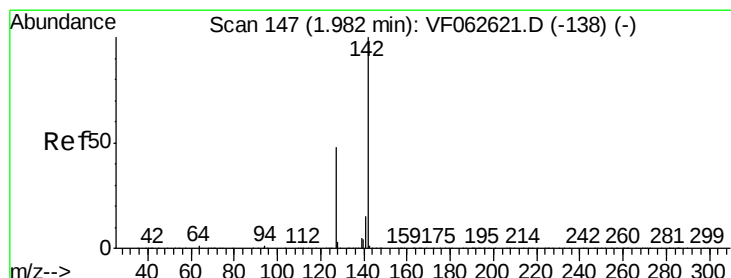
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



Time-->



#10

Methyl Iodide

Concen: 24.292 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

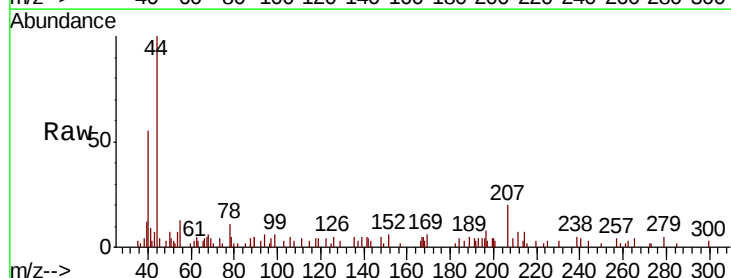
Tgt Ion:142 Resp: 264

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

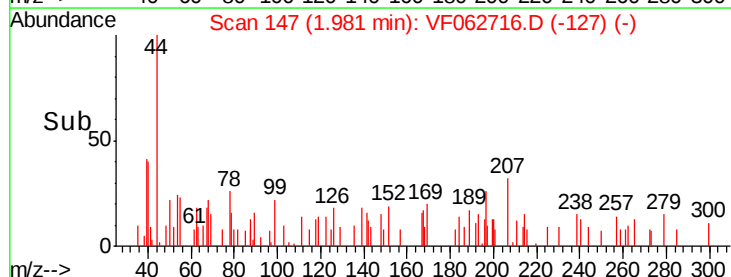
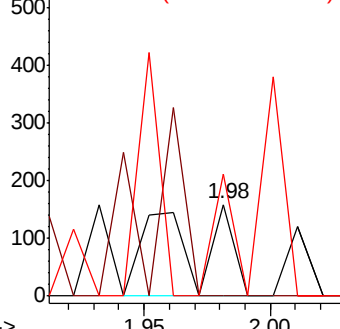
141 133.3 11.7 17.5#

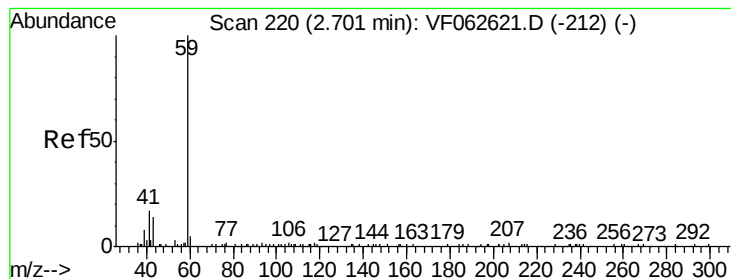


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



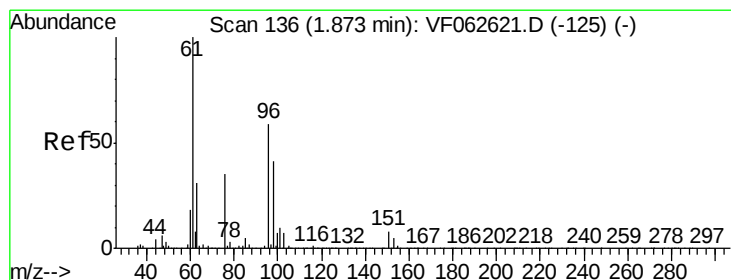
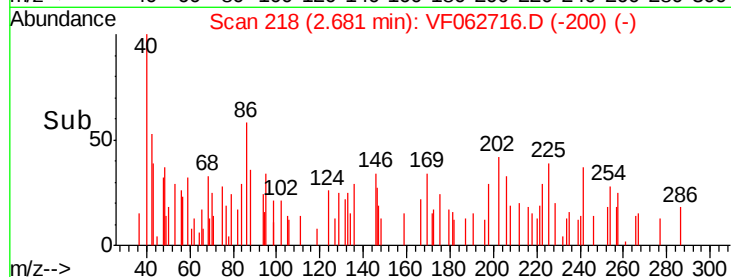
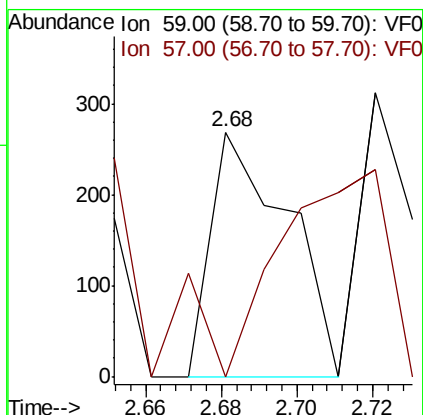
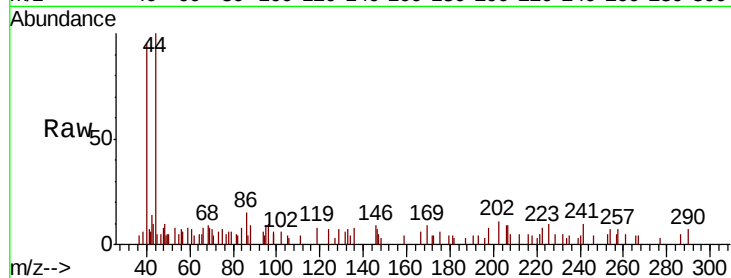


#11

Tert butyl alcohol
 Concen: 1440.435 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Instrument :
 MSVOA_F
 ClientSampled :

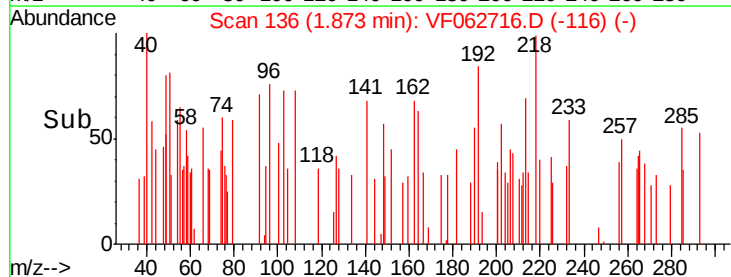
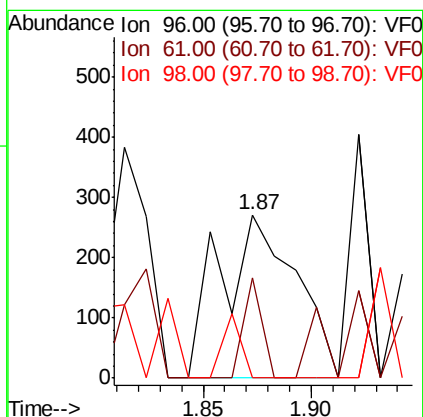
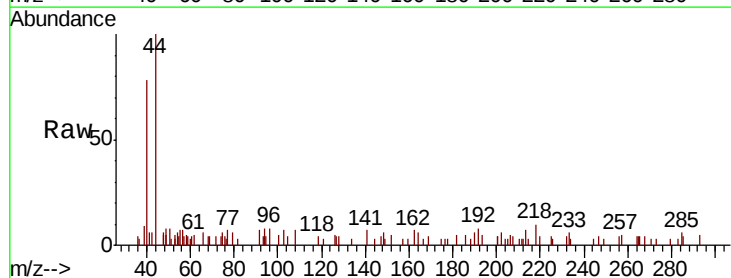
Tot Ion: 59 Resp: 377
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

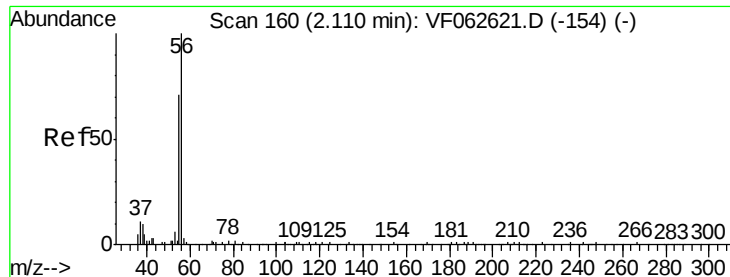


#12

1,1-Dichloroethene
 Concen: 131.756 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Tgt Ion: 96 Resp: 664
 Ion Ratio Lower Upper
 96 100
 61 61.6 134.3 201.5#
 98 0.0 55.0 82.6#

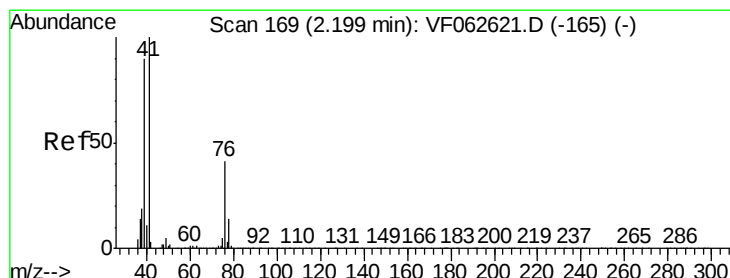
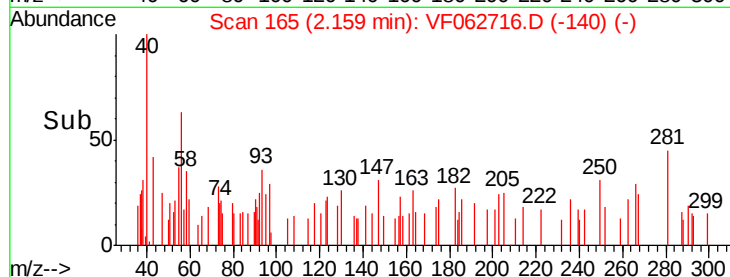
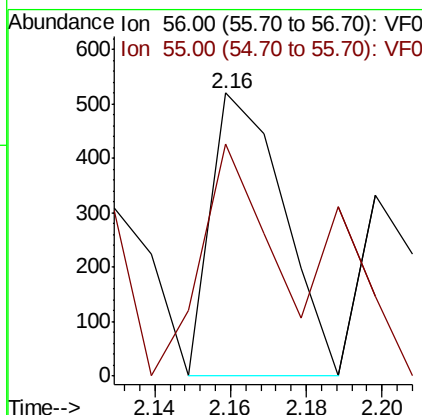
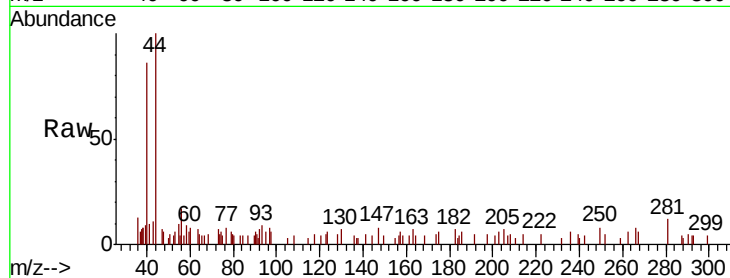




#13
Acrolein
Concen: 2518.253 ug/l
RT: 2.16 min Scan# 165
Delta R.T. 0.05 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

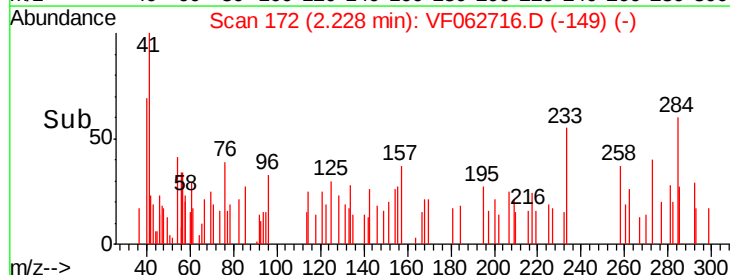
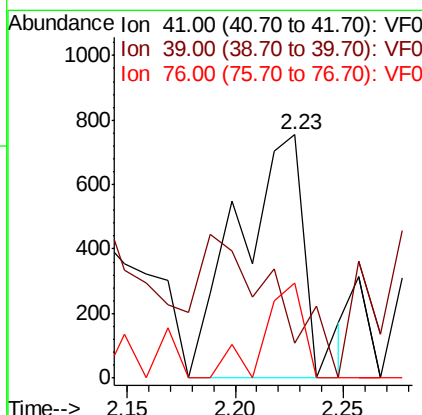
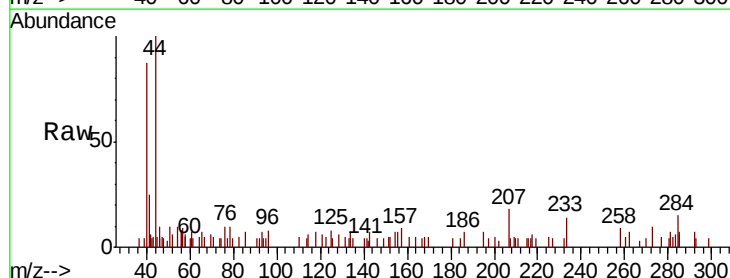
Instrument :
MSVOA_F
ClientSampled :

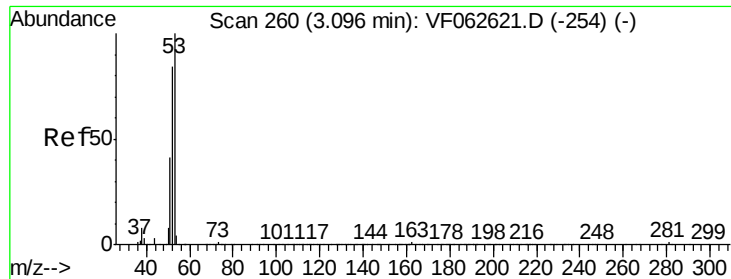
Tot Ion: 56 Resp: 688
Ion Ratio Lower Upper
56 100
55 81.9 59.4 89.0



#14
Allyl chloride
Concen: 362.629 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.03 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion: 41 Resp: 1654
Ion Ratio Lower Upper
41 100
39 14.4 72.0 108.0#
76 39.1 34.8 52.2





#15

Acrylonitrile

Concen: 205.883 ug/l

RT: 3.08 min Scan# 258

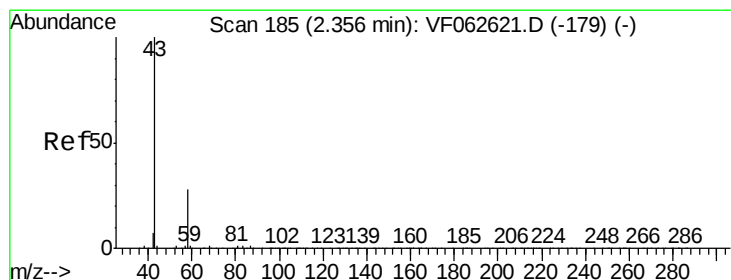
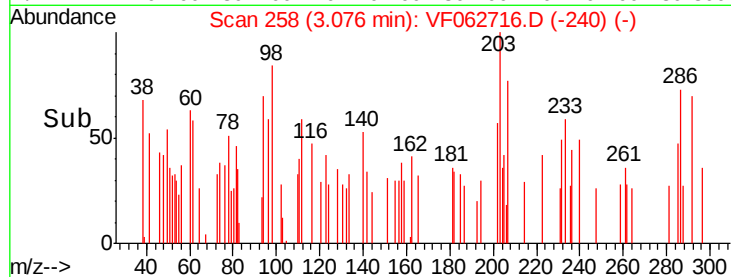
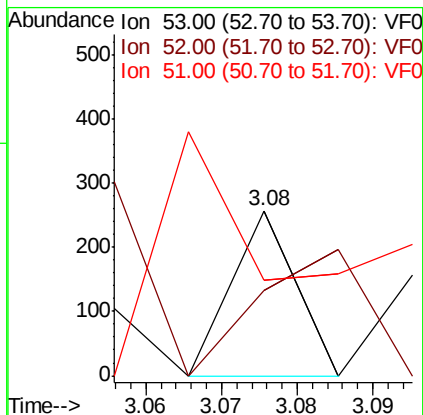
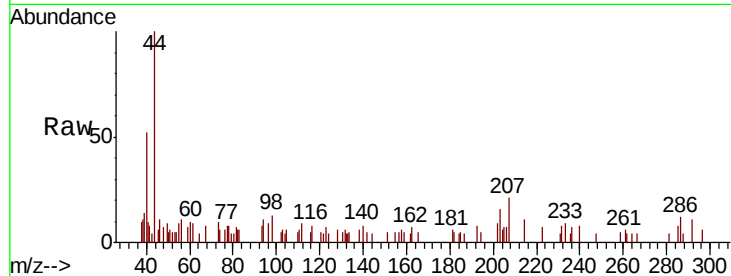
Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	152
Ion	Ratio	Lower	Upper
53	100		
52	51.8	67.3	100.9#
51	58.0	33.0	49.6#



#16

Acetone

Concen: 959.680 ug/l

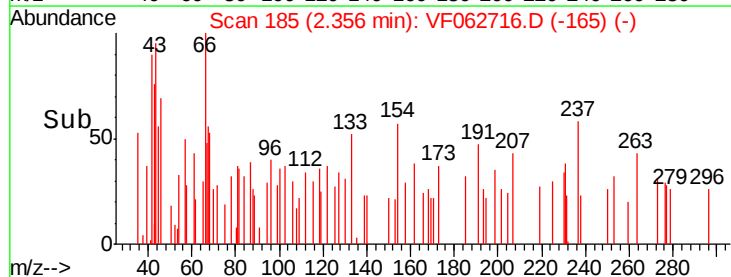
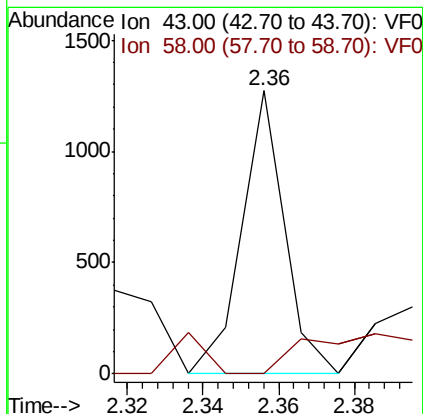
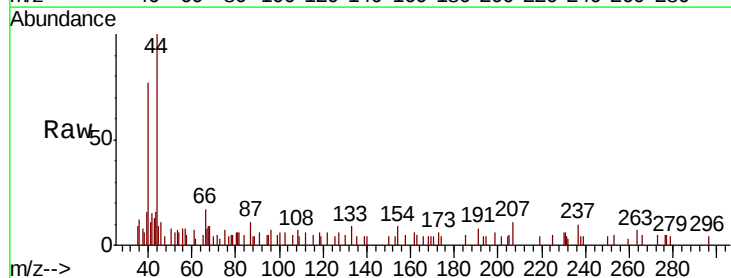
RT: 2.36 min Scan# 185

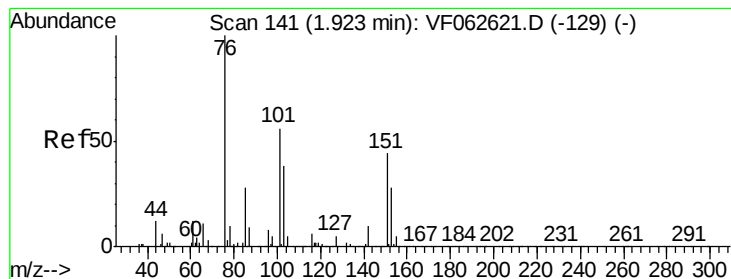
Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:	43	Resp:	987
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.6	33.8#





#17

Carbon Disulfide

Concen: 13.925 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

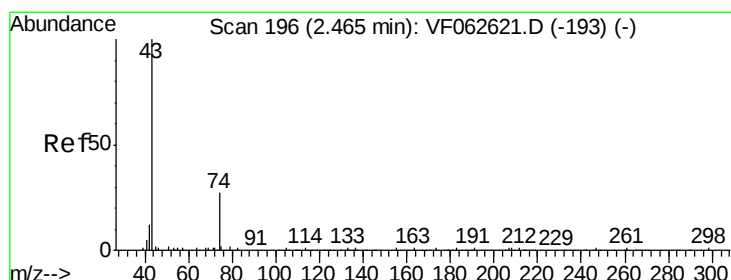
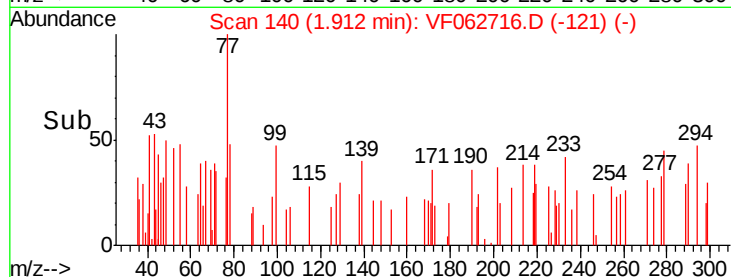
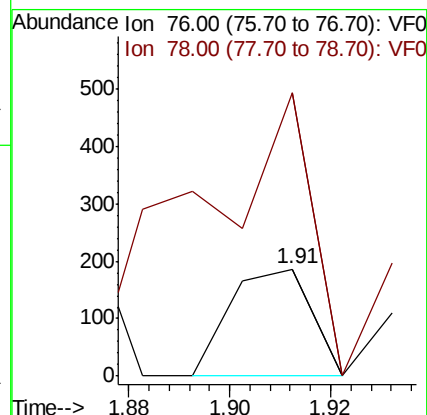
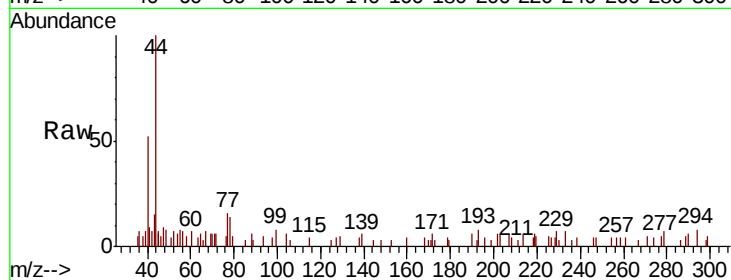
ClientSampled :

Tot Ion: 76 Resp: 208

Ion Ratio Lower Upper

76 100

78 265.1 8.4 12.6#



#18

Methyl Acetate

Concen: 652.778 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062716.D

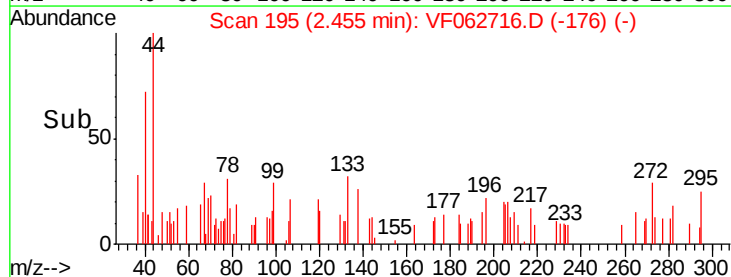
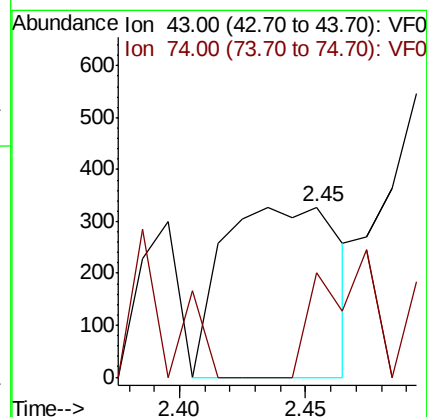
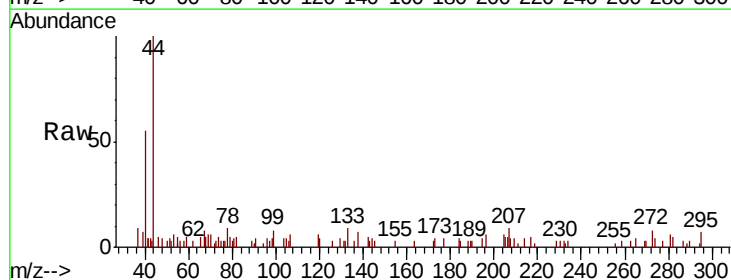
Acq: 22 May 2019 20:05

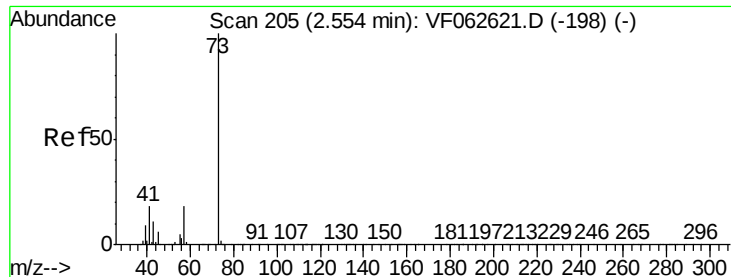
Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

74 61.3 18.9 28.3#



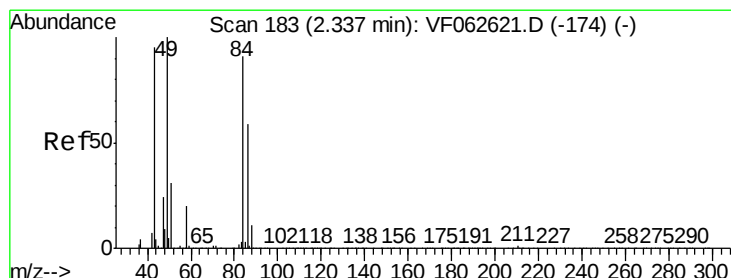
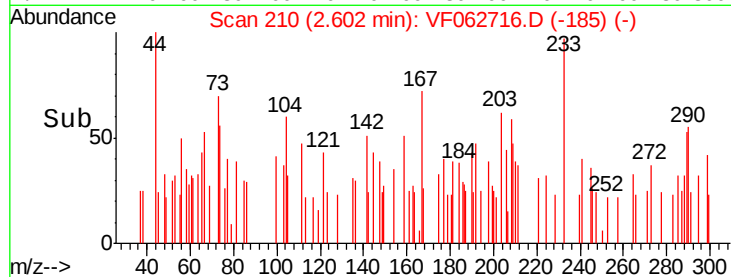
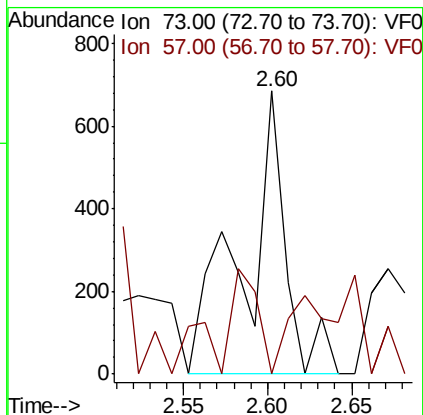
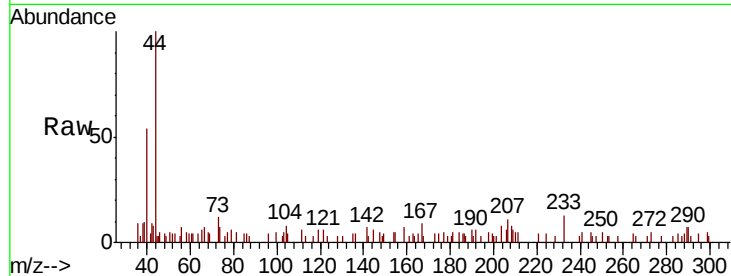


#19

Methyl tert-butyl Ether
 Concen: 131.090 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. 0.05 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Instrument :
 MSVOA_F
 ClientSampled :

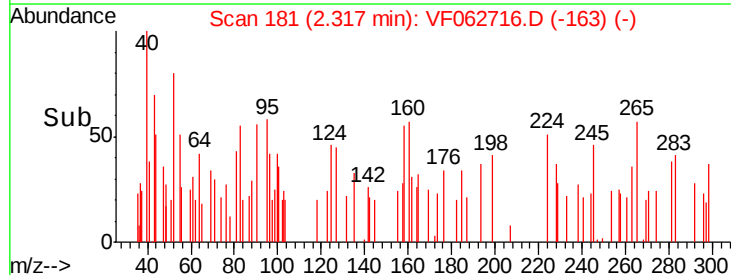
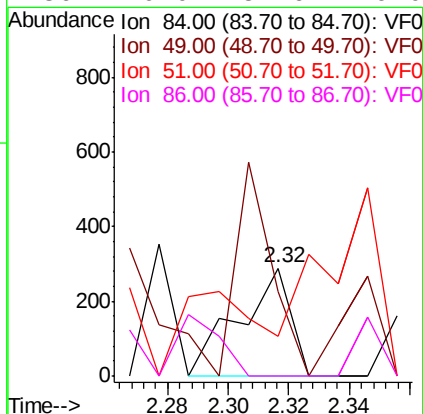
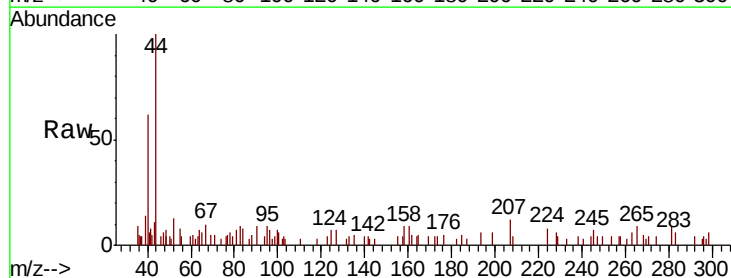
Tot Ion: 73 Resp: 1181
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.2 21.4#

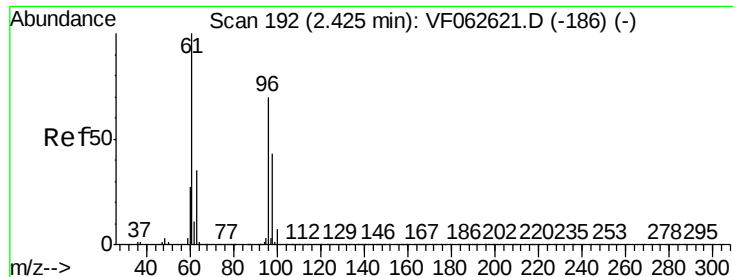


#20

Methylene Chloride
 Concen: 66.730 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Tgt Ion: 84 Resp: 344
 Ion Ratio Lower Upper
 84 100
 49 78.2 89.8 134.8#
 51 37.4 28.4 42.6
 86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 95.010 ug/l

RT: 2.43 min Scan# 193

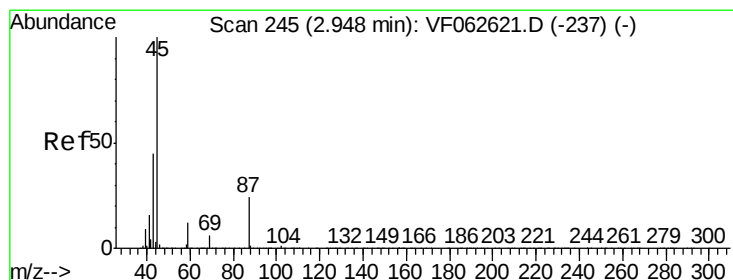
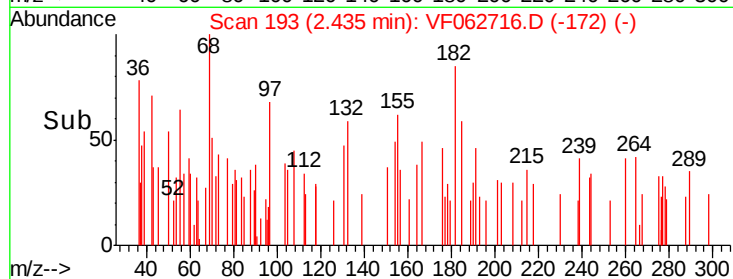
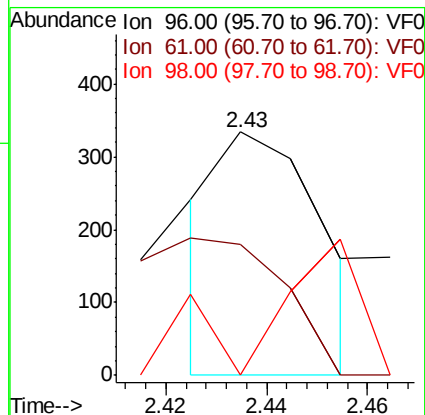
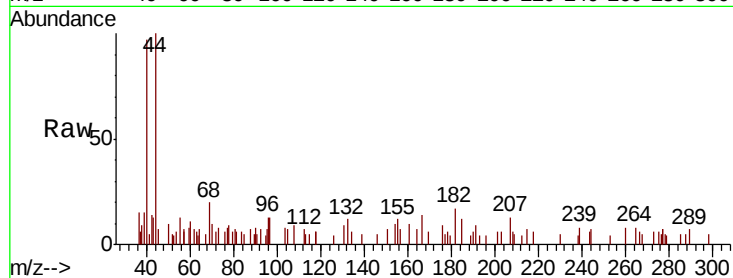
Delta R.T. 0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	468
Ion	Ratio	Lower	Upper
96	100		
61	26.9	114.6	171.8#
98	0.0	49.5	74.3#



#22

Diisopropyl ether

Concen: 57.158 ug/l

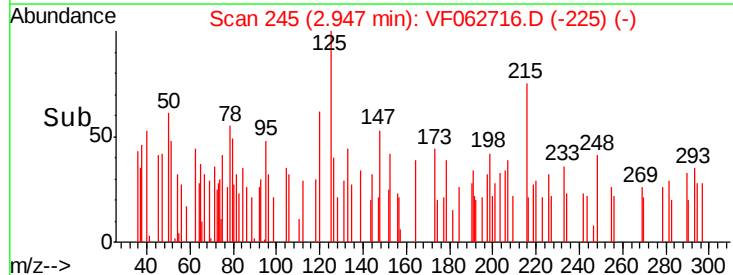
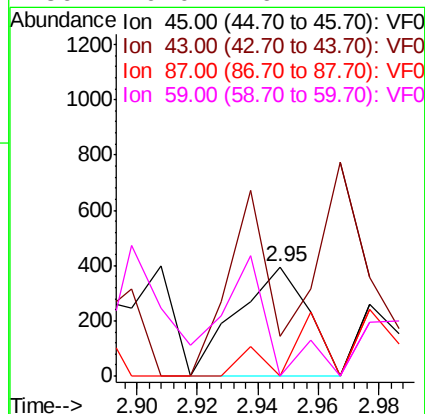
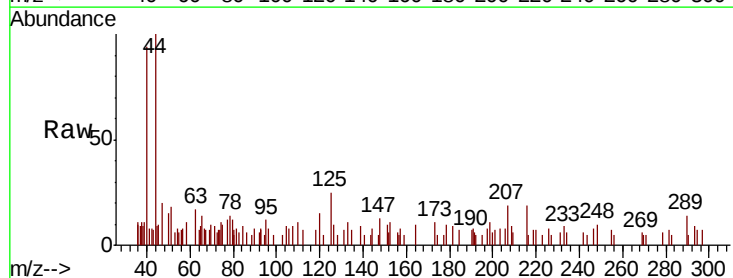
RT: 2.95 min Scan# 245

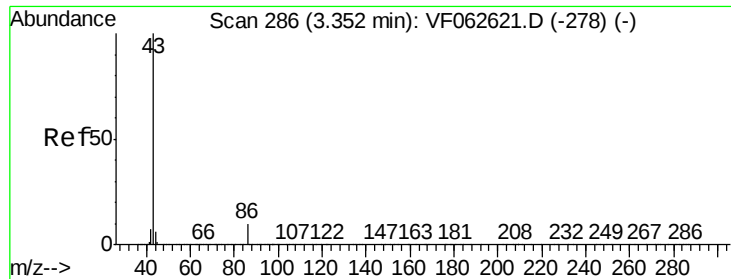
Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:	45	Resp:	643
Ion	Ratio	Lower	Upper
45	100		
43	36.8	36.4	54.6
87	0.0	19.3	28.9#
59	0.0	9.4	14.2#





#23

Vinyl Acetate

Concen: 130.854 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

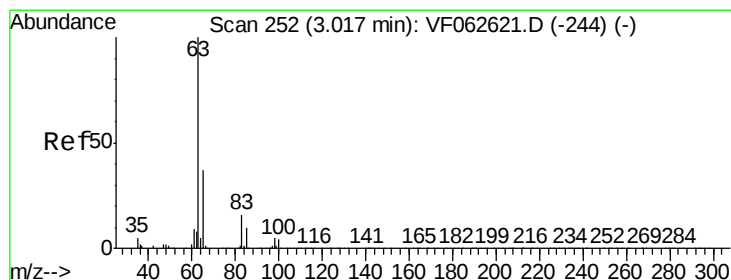
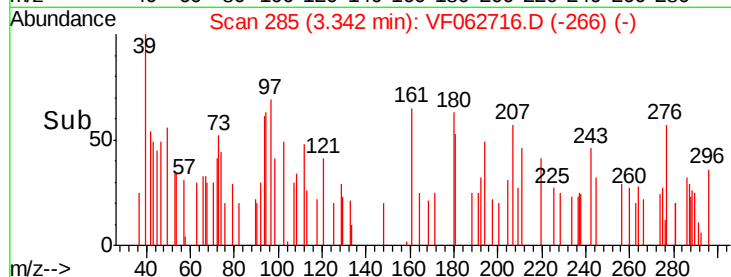
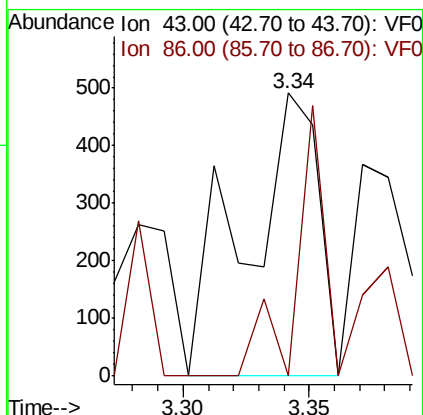
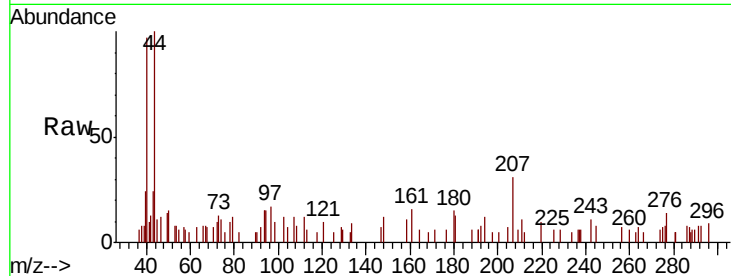
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 36.958 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

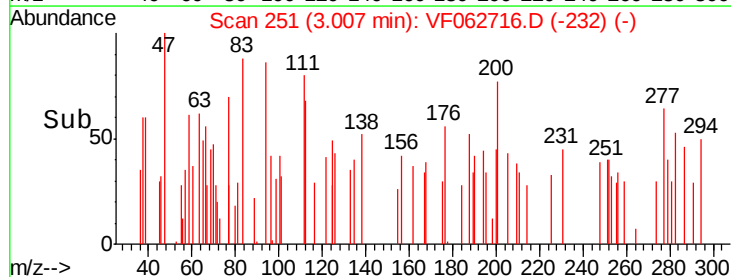
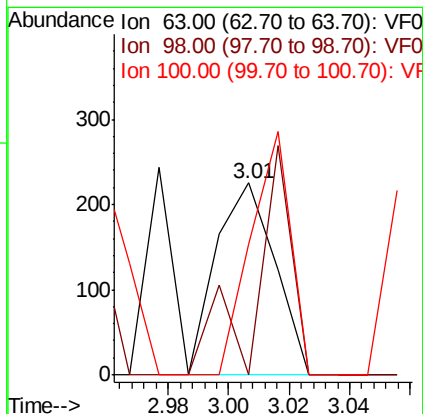
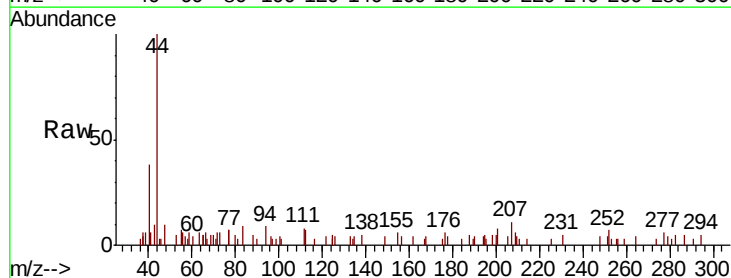
Tgt Ion: 63 Resp: 305

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 68.0 1.9 5.7#





#25

2-Butanone

Concen: 782.318 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

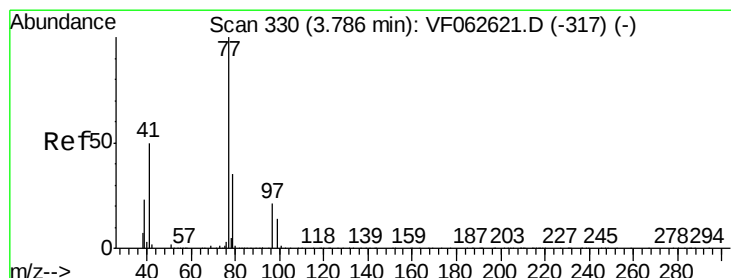
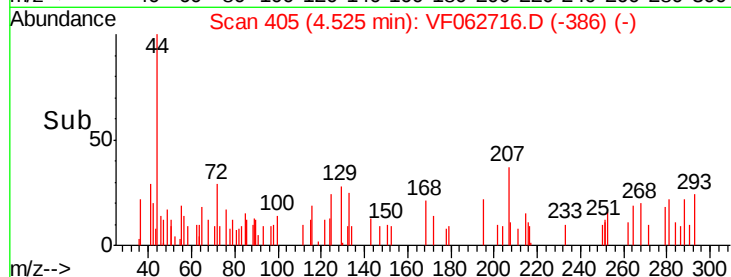
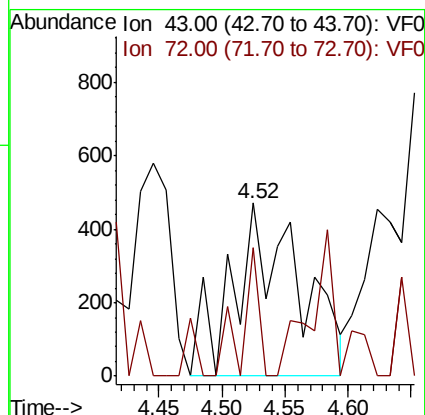
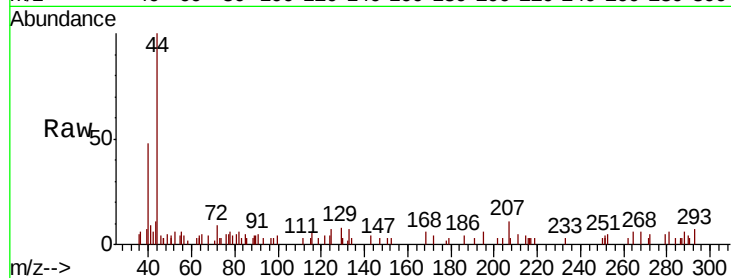
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

72 74.5 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 246.090 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062716.D

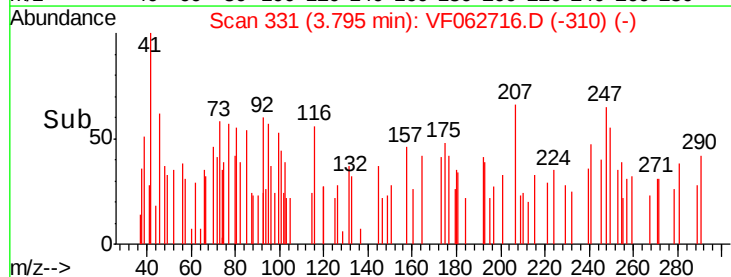
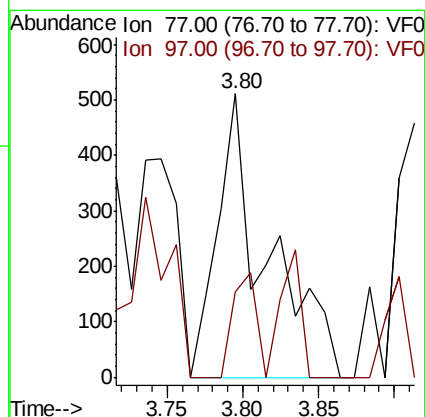
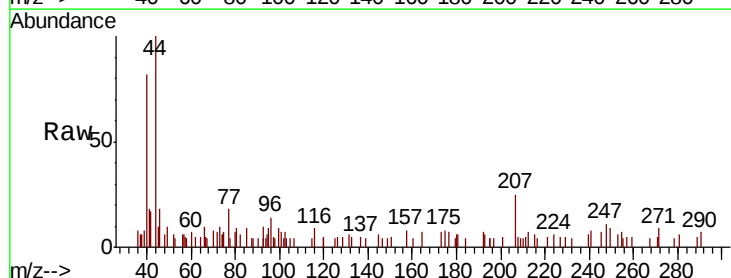
Acq: 22 May 2019 20:05

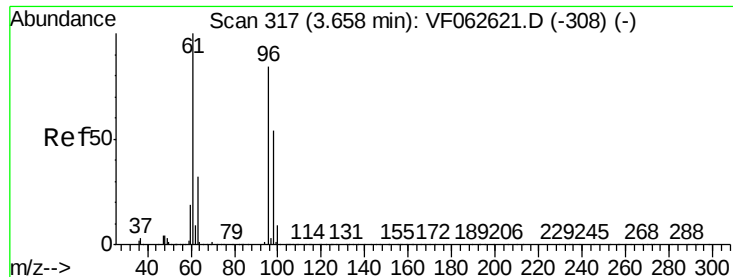
Tgt Ion: 77 Resp: 1162

Ion Ratio Lower Upper

77 100

97 29.9 14.1 42.4



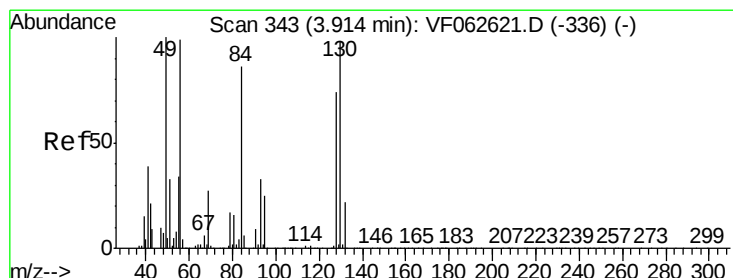
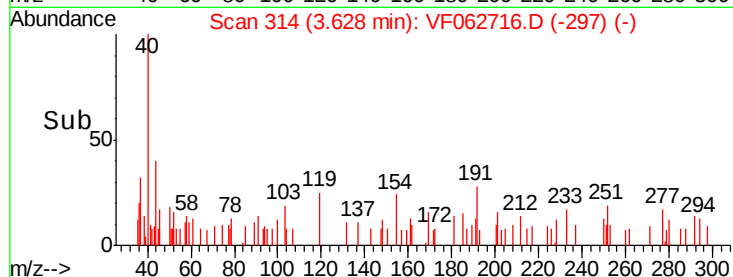
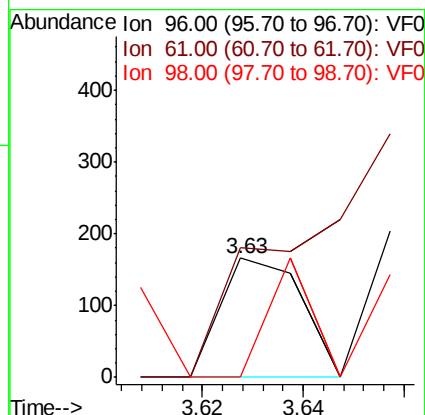
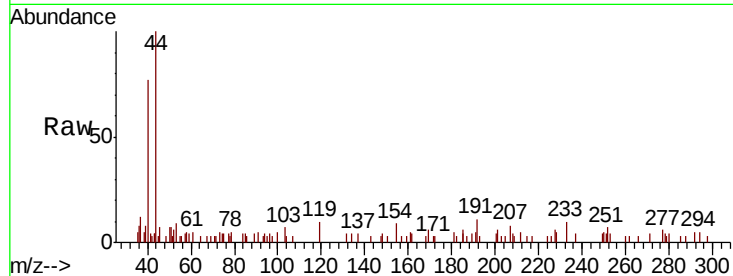


#27

cis-1,2-Dichloroethene
 Concen: 22.709 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.03 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Instrument :
 MSVOA_F
 ClientSampled :

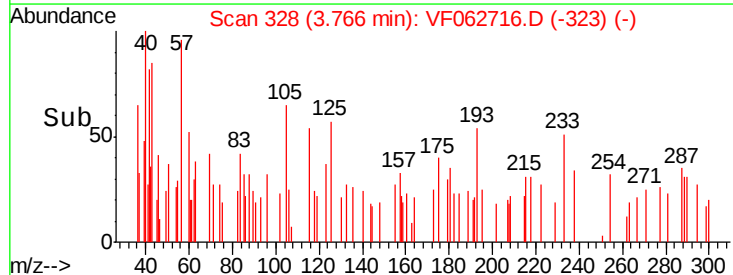
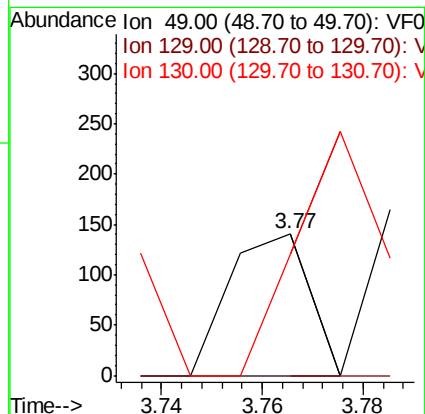
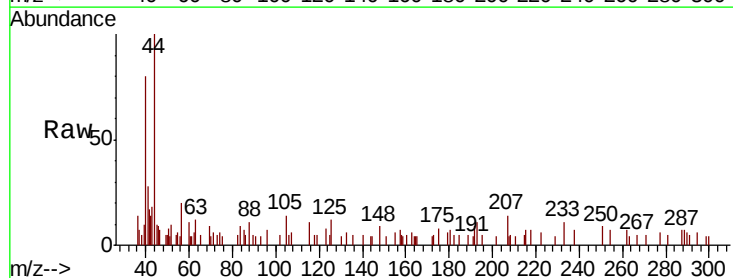
Tot Ion: 96 Resp: 184
 Ion Ratio Lower Upper
 96 100
 61 109.0 0.0 237.4
 98 0.0 0.0 129.0

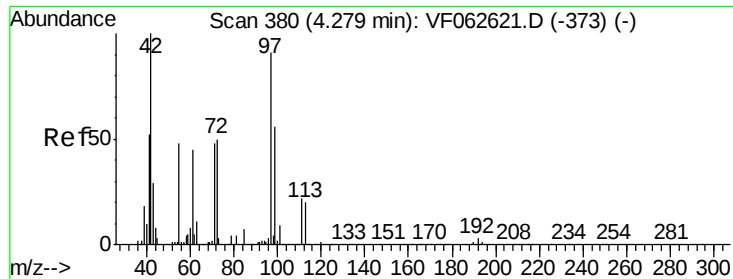


#28

Bromochloromethane
 Concen: 33.488 ug/l
 RT: 3.77 min Scan# 328
 Delta R.T. -0.15 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Tgt Ion: 49 Resp: 155
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 85.1 77.8 116.8

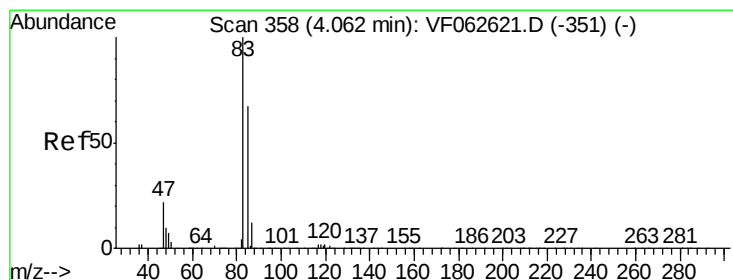
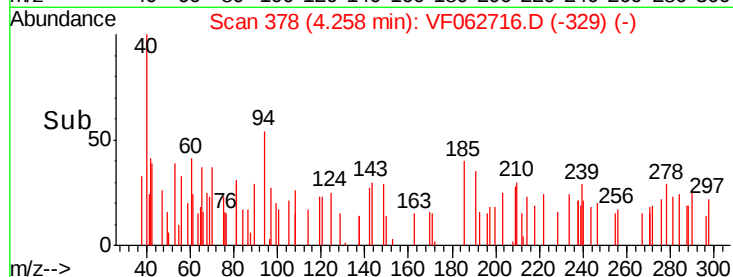
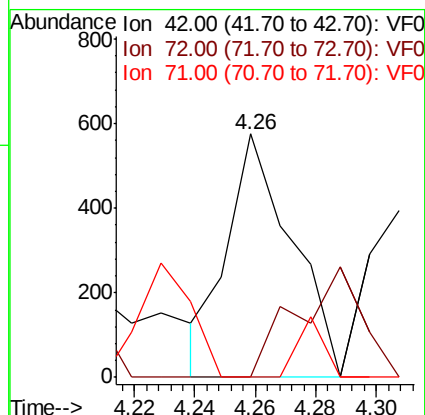
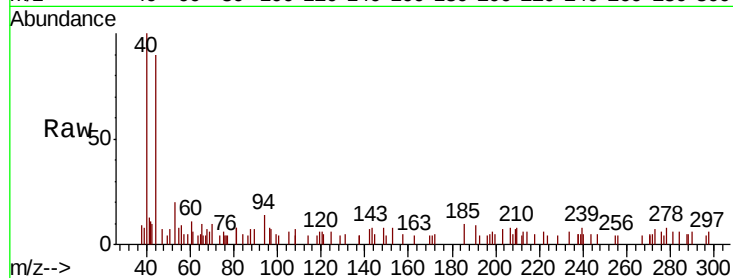




#29
Tetrahydrofuran
Concen: 958.189 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

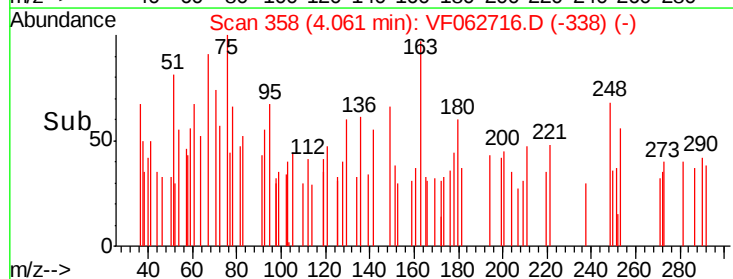
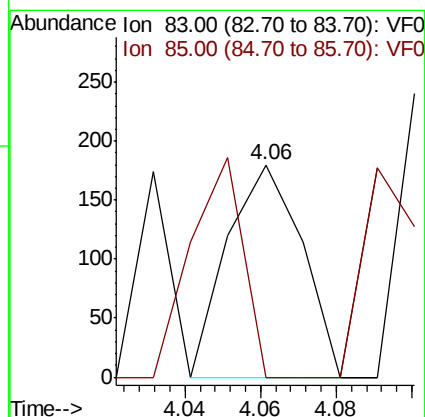
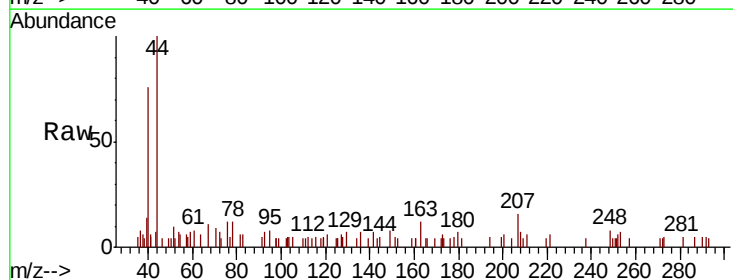
Instrument :
MSVOA_F
ClientSampleId :

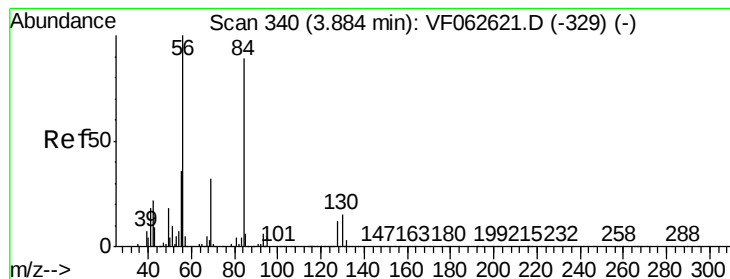
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.2#
71	0.0	35.8	53.6#



#30
Chloroform
Concen: 21.382 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	53.6	80.4#





#31

Cyclohexane

Concen: 69.309 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

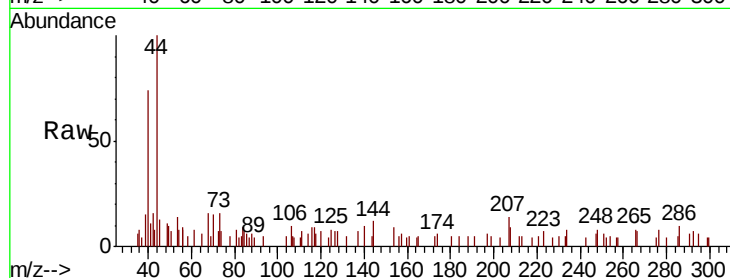
Tot Ion: 56 Resp: 768

Ion Ratio Lower Upper

56 100

69 26.3 25.3 37.9

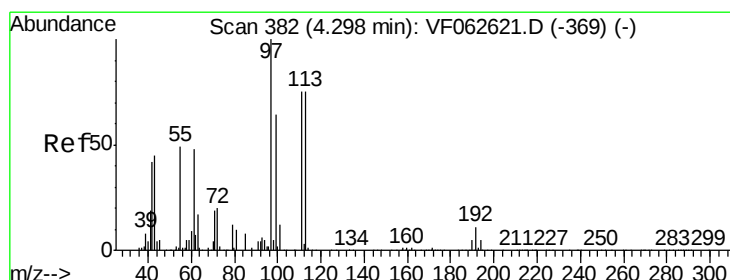
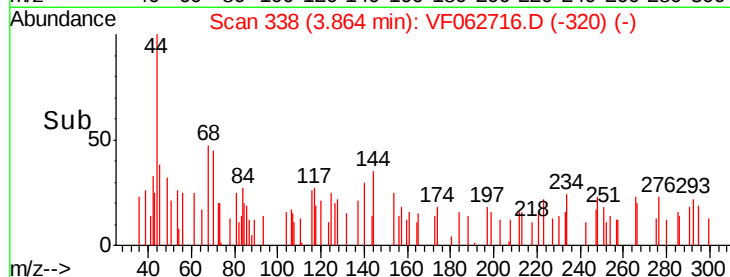
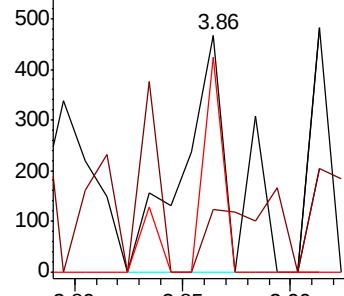
84 90.8 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 55.457 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

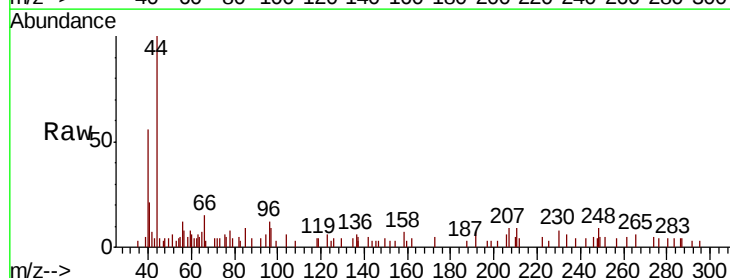
Tgt Ion: 97 Resp: 422

Ion Ratio Lower Upper

97 100

99 33.4 51.3 76.9#

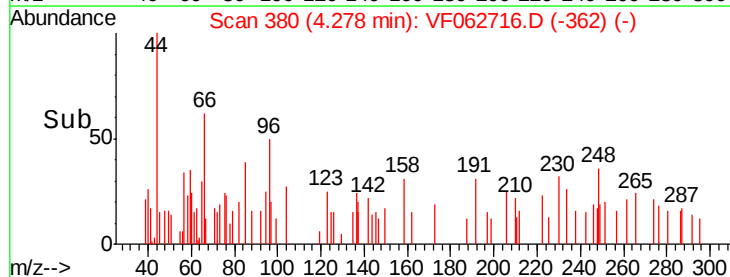
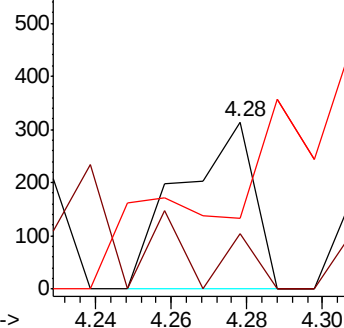
61 42.4 38.2 57.2

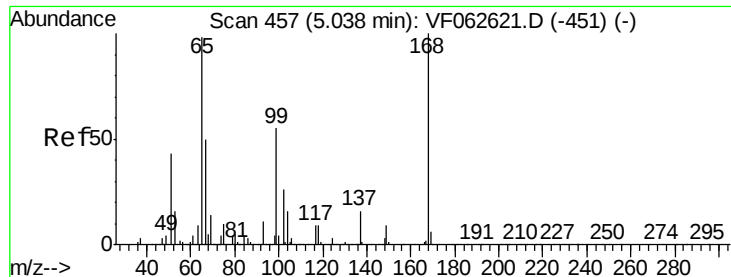


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 103.927 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

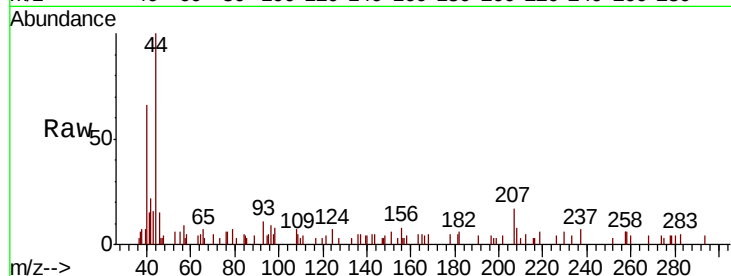
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 412

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

400

300

200

100

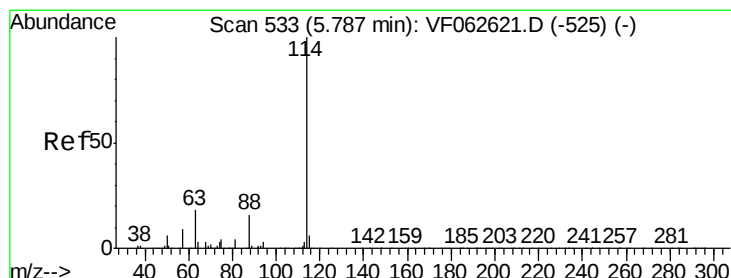
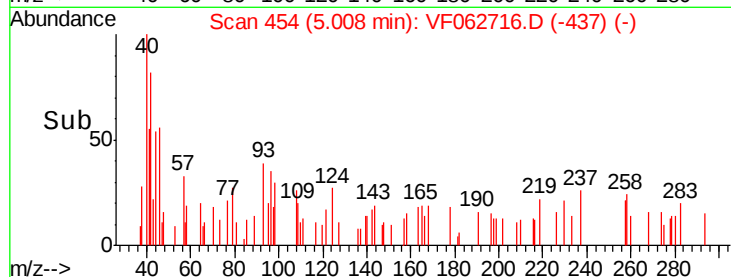
0

4.95

5.00

5.01

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

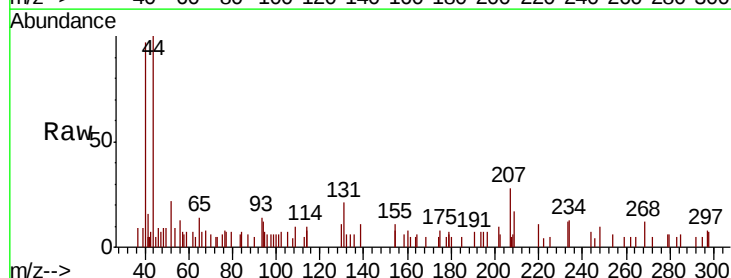
Tgt Ion: 114 Resp: 502

Ion Ratio Lower Upper

114 100

63 24.6 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

600

500

400

300

200

100

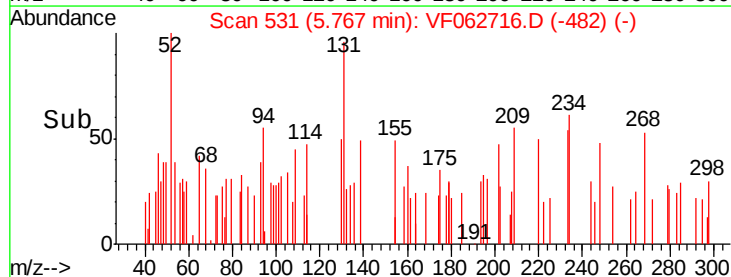
0

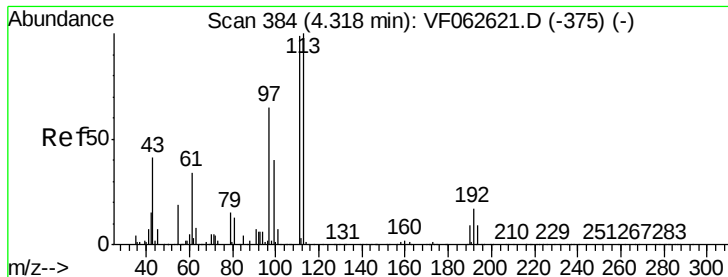
5.75

5.80

5.77

Time-->





#35

Dibromofluoromethane

Concen: 28.115 ug/l

RT: 4.29 min Scan# 381

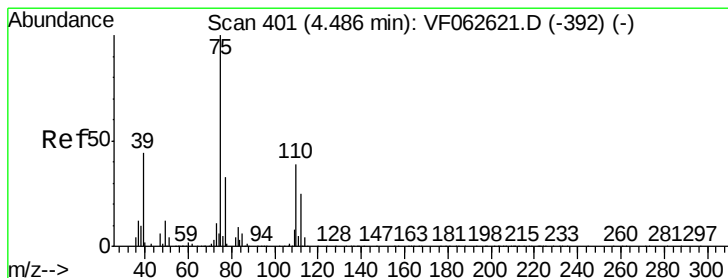
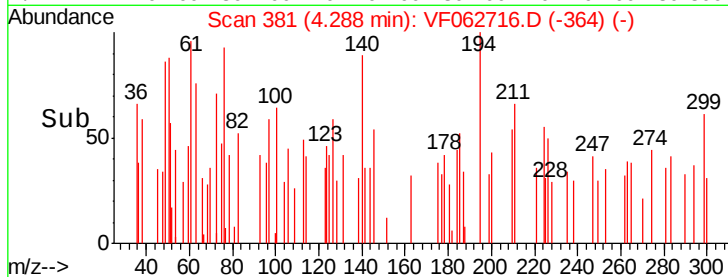
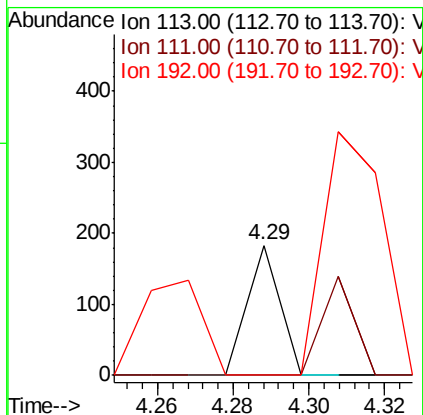
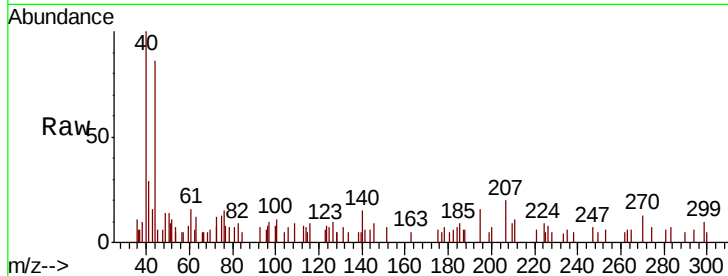
Delta R.T. -0.03 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	113	Resp:	108
Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.4	119.2#
192	0.0	13.4	20.2#



#36

1,1-Dichloropropene

Concen: 102.451 ug/l

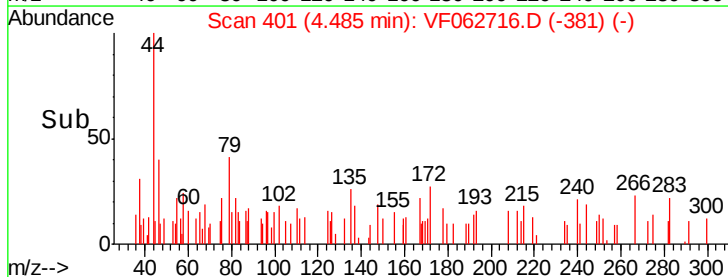
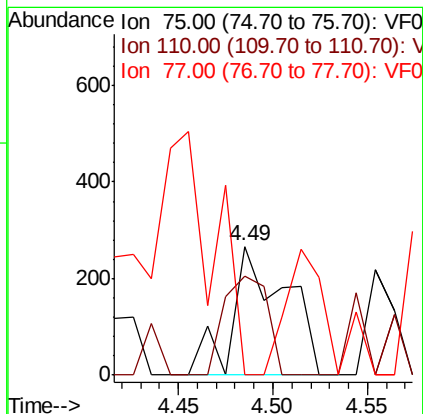
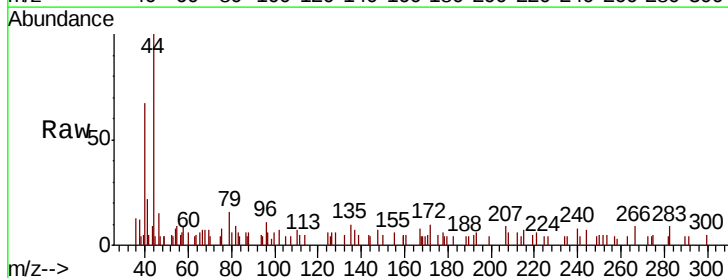
RT: 4.49 min Scan# 401

Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:	75	Resp:	527
Ion	Ratio	Lower	Upper
75	100		
110	77.4	19.7	59.1#
77	0.0	26.3	39.5#





#37

Ethyl Acetate

Concen: 393.756 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.04 min

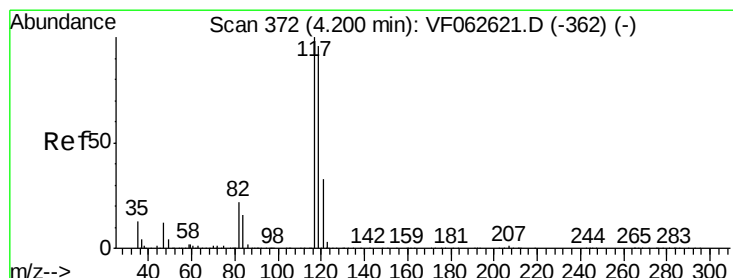
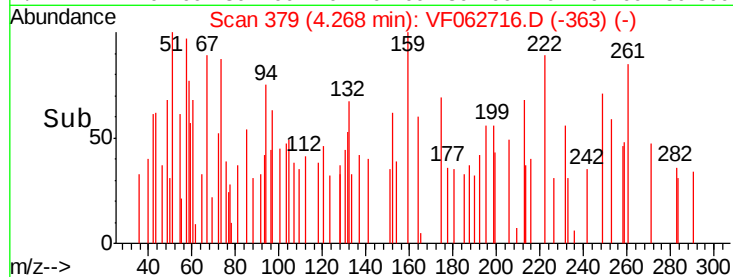
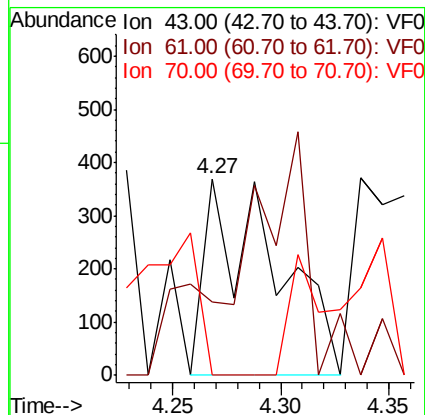
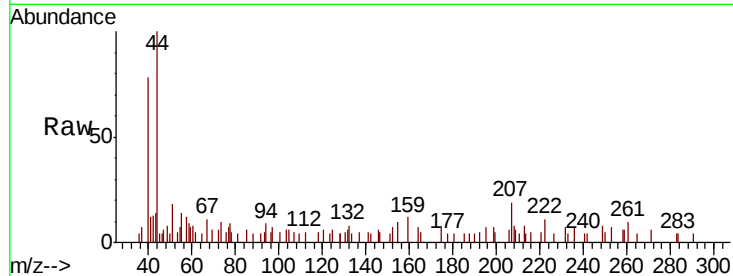
Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 827

Ion	Ratio	Lower	Upper
43	100		
61	37.0	76.9	115.3#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 29.726 ug/l

RT: 4.16 min Scan# 368

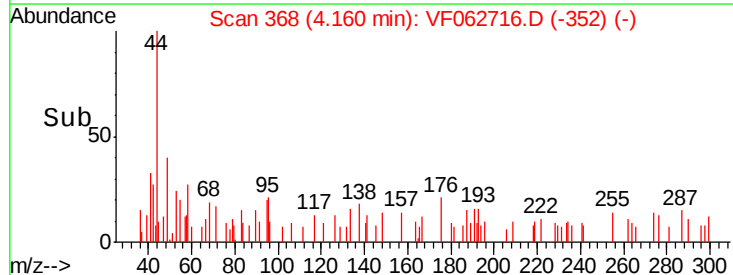
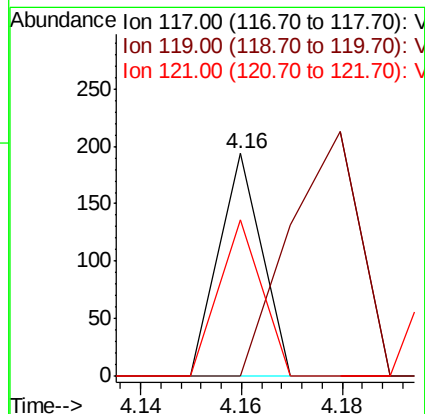
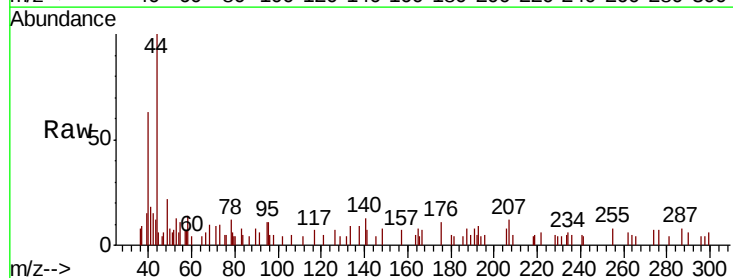
Delta R.T. -0.04 min

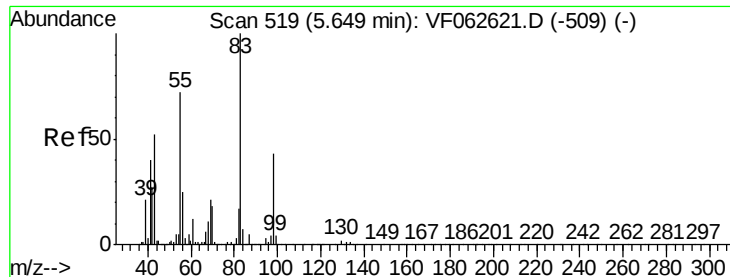
Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion: 117 Resp: 115

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.7	115.1#
121	70.1	26.6	40.0#

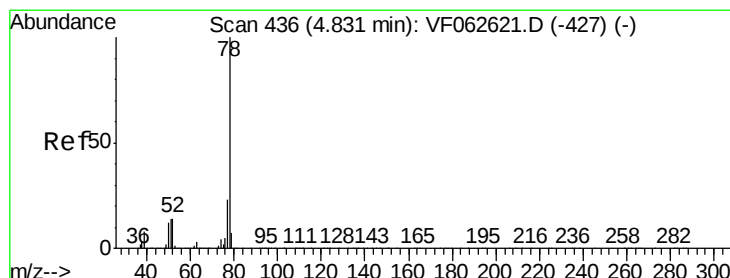
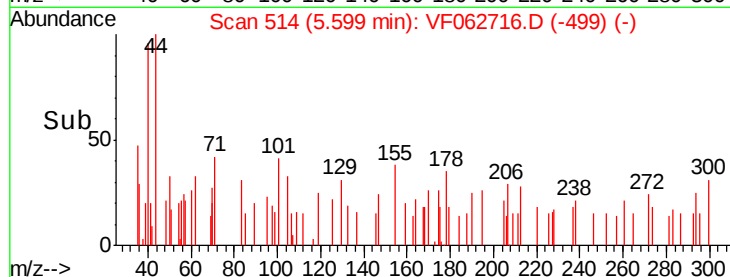
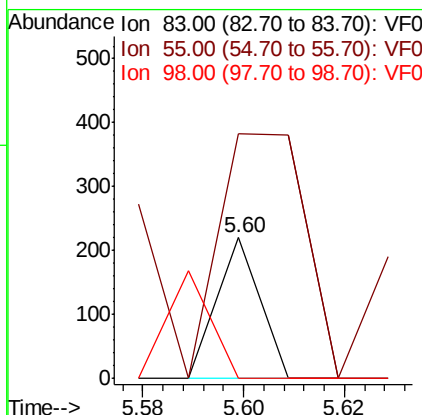
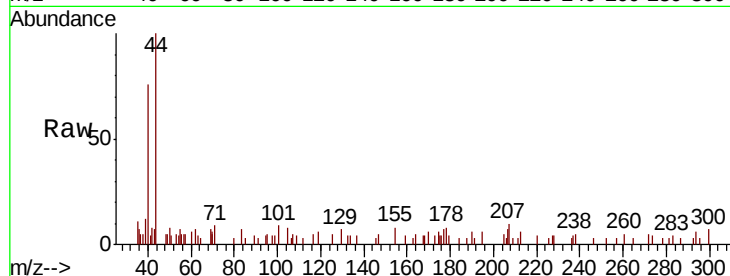




#39
Methylcyclohexane
Concen: 21.003 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.05 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

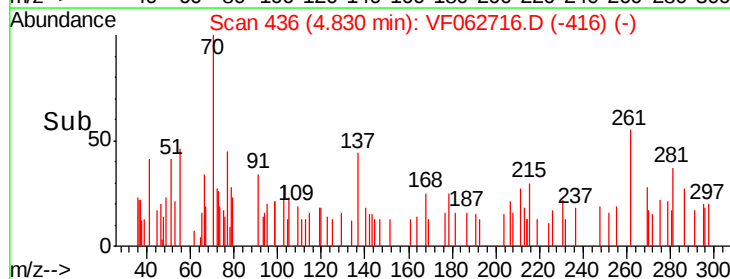
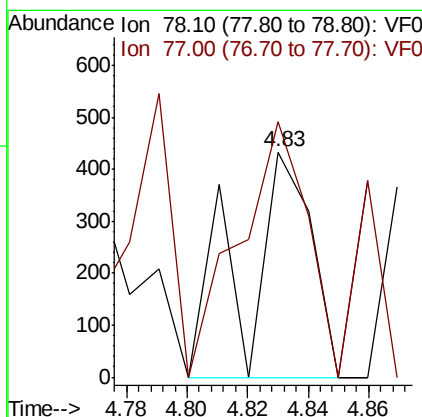
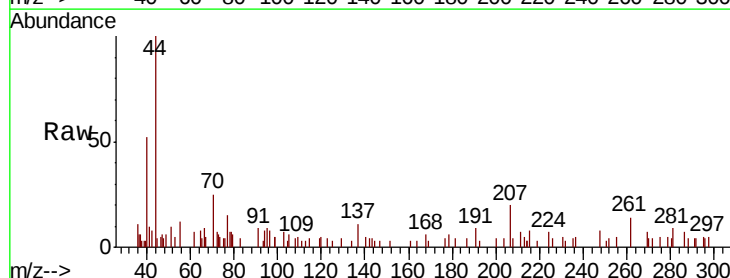
Instrument :
MSVOA_F
ClientSampleId :

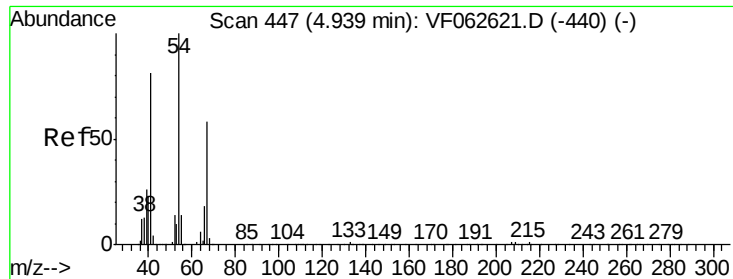
Tot Ion	83.00	Resp:	130
Ion	Ratio	Lower	Upper
83	100		
55	174.4	57.9	86.9#
98	0.0	34.6	52.0#



#40
Benzene
Concen: 47.311 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion	78	Resp:	663
Ion	Ratio	Lower	Upper
78	100		
77	113.4	18.2	27.2#

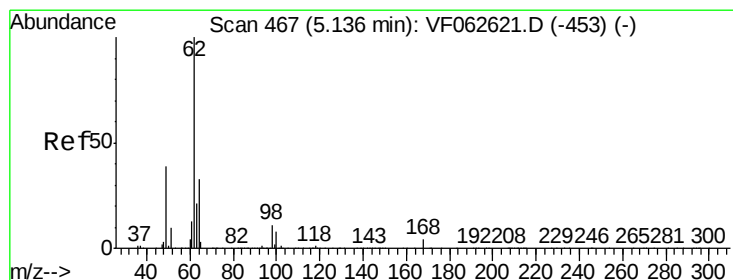
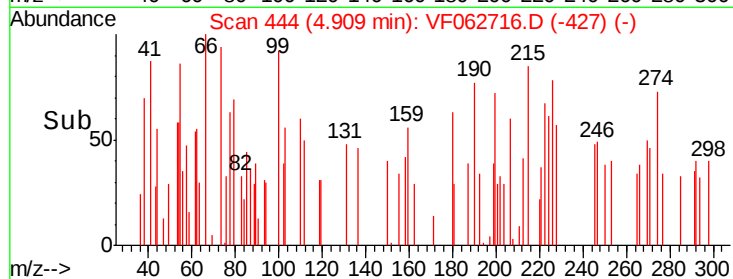
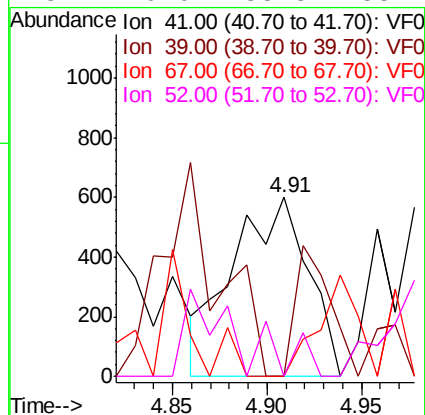
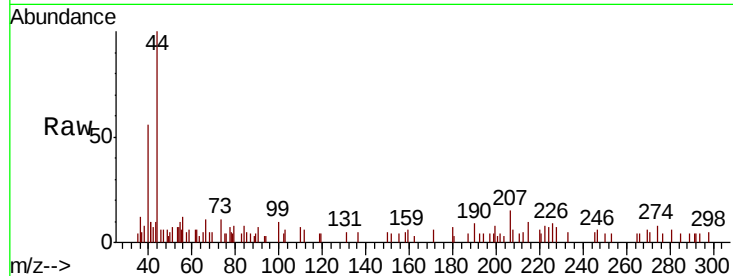




#41
Methacrylonitrile
Concen: 1508.464 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.03 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

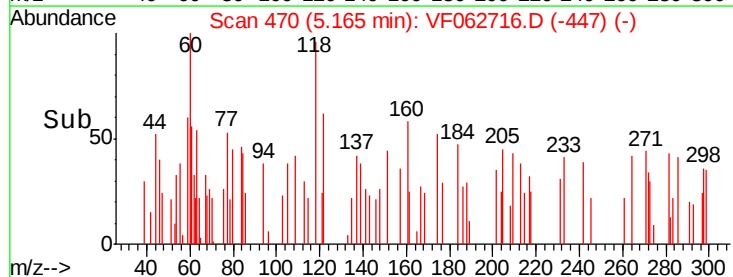
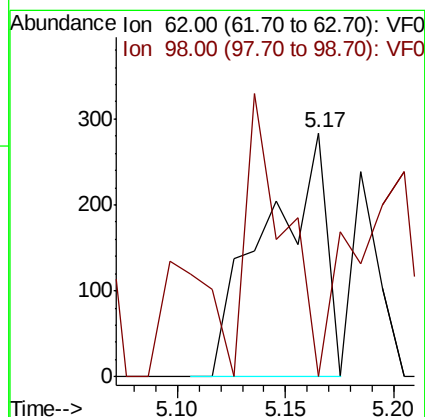
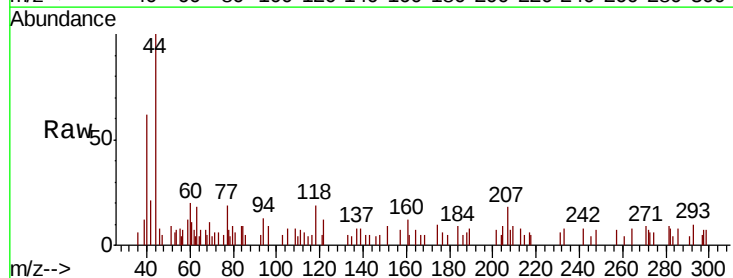
Instrument :
MSVOA_F
ClientSampled :

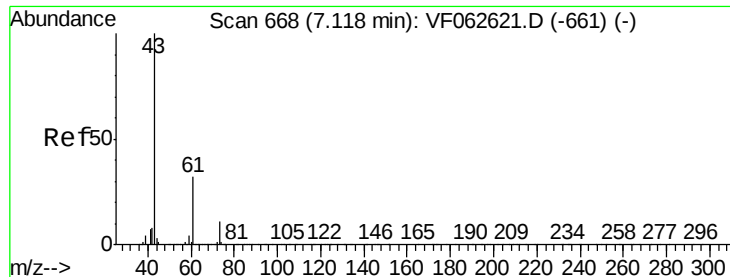
Tot Ion:	41	Resp:	1661
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.2	63.2#
67	0.0	56.4	84.6#
52	0.0	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 196.098 ug/l
RT: 5.17 min Scan# 470
Delta R.T. 0.03 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion:	62	Resp:	548
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6





#43

Isopropyl Acetate

Concen: 479.236 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampled :

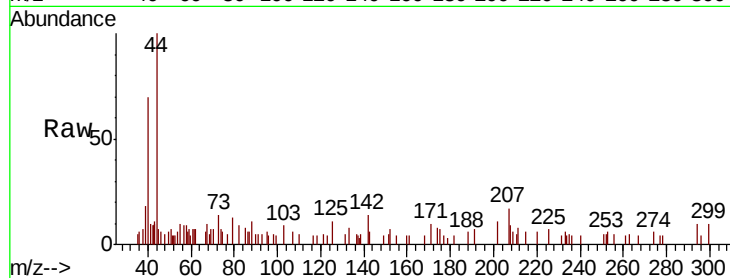
Tot Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

61 48.6 25.8 38.8#

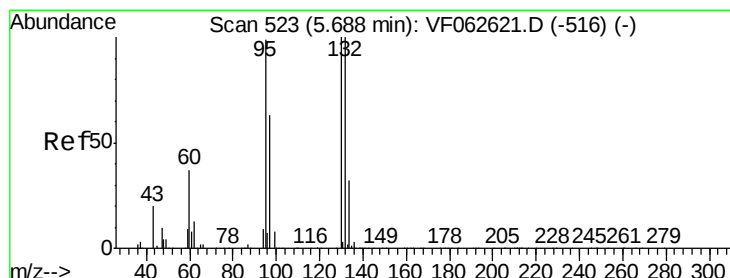
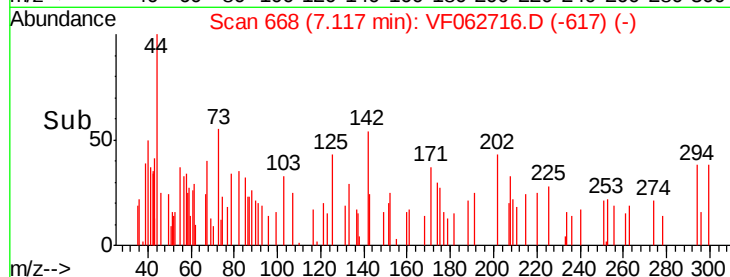
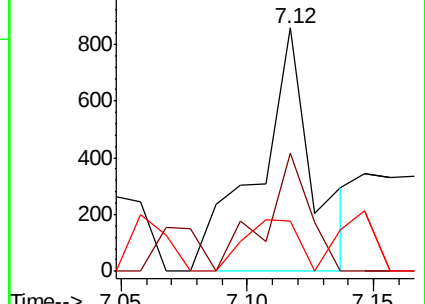
87 20.6 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 15.742 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.00 min

Lab File: VF062716.D

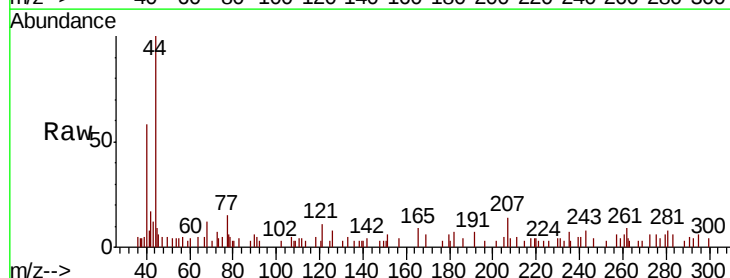
Acq: 22 May 2019 20:05

Tgt Ion: 130 Resp: 62

Ion Ratio Lower Upper

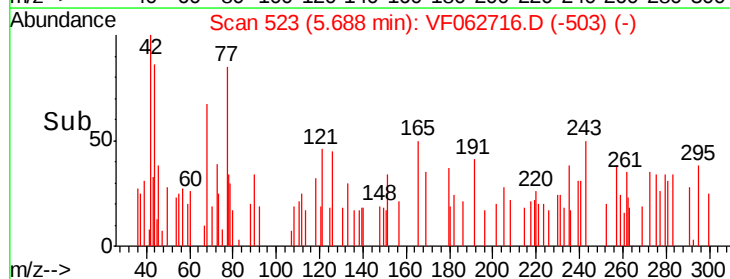
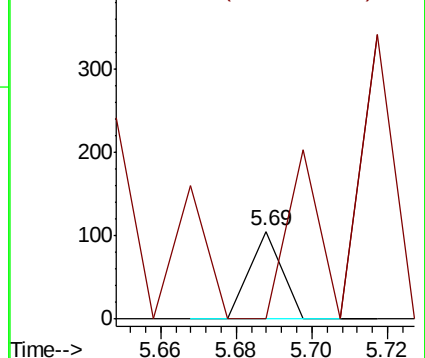
130 100

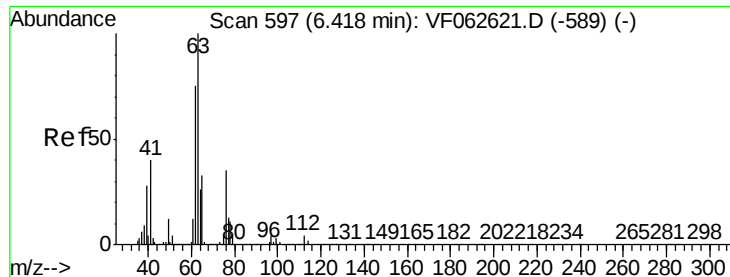
95 0.0 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 56.537 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

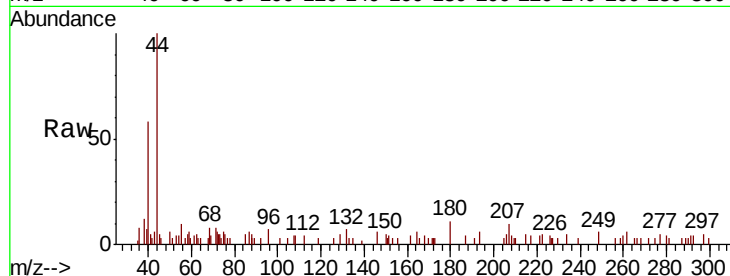
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 200

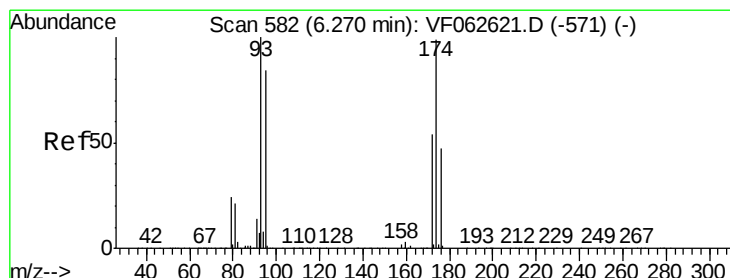
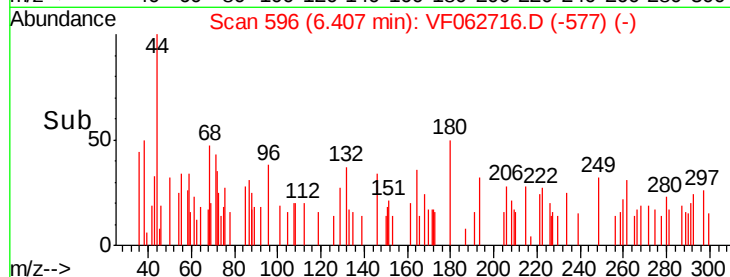
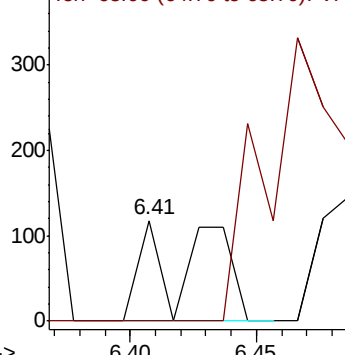
Ion Ratio Lower Upper

63 100

65 0.0 26.3 39.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.957 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

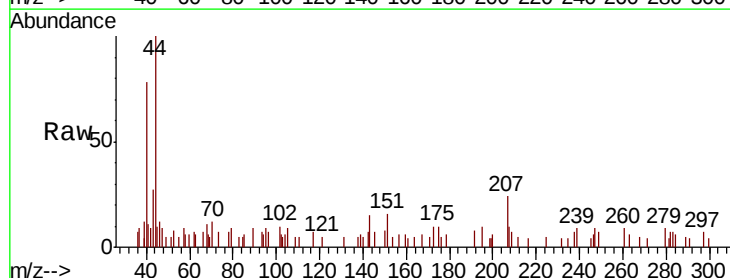
Tgt Ion: 93 Resp: 96

Ion Ratio Lower Upper

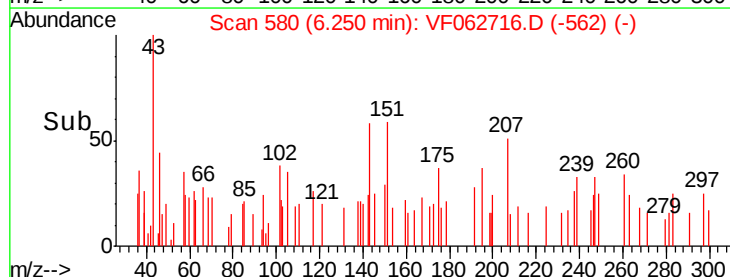
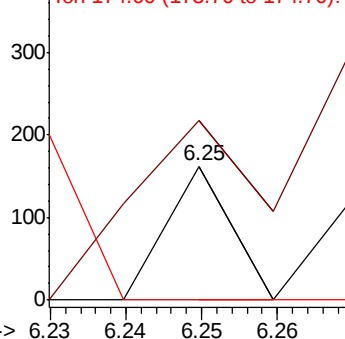
93 100

95 134.6 67.4 101.2#

174 0.0 79.4 119.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 106.497 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampleId :

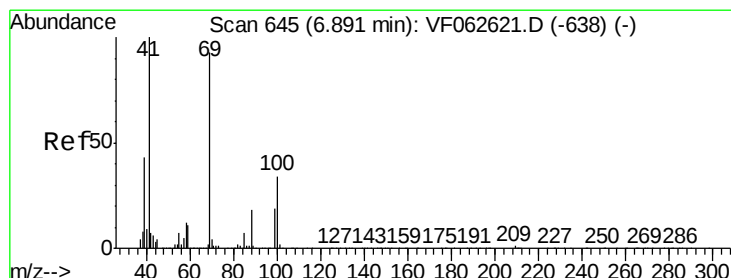
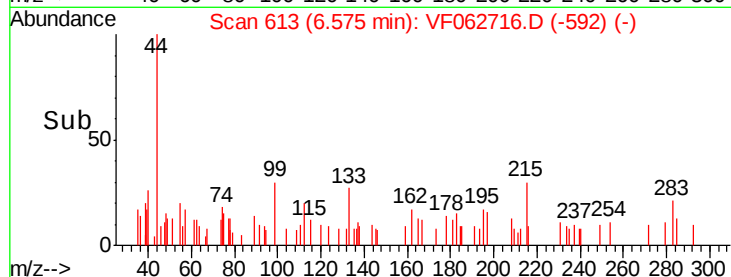
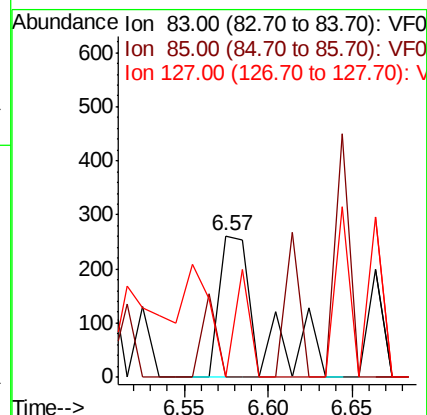
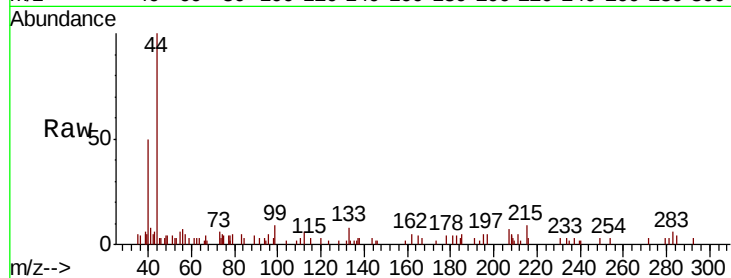
Tot Ion: 83 Resp: 452

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

127 0.0 7.7 11.5#



#48

Methyl methacrylate

Concen: 396.564 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

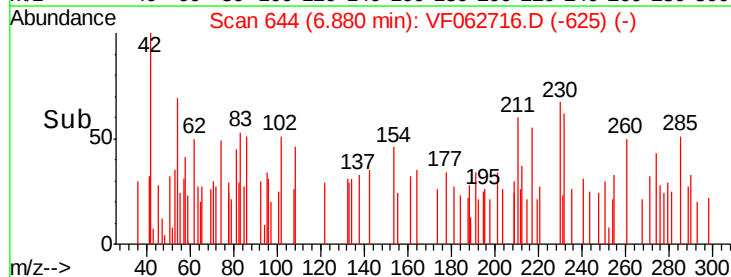
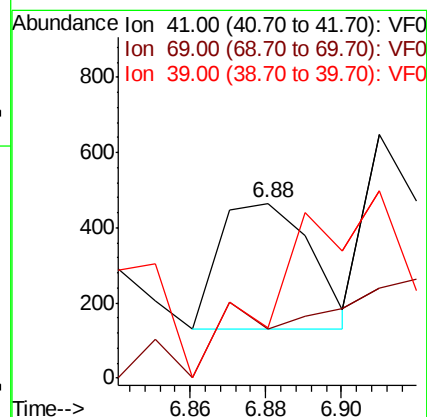
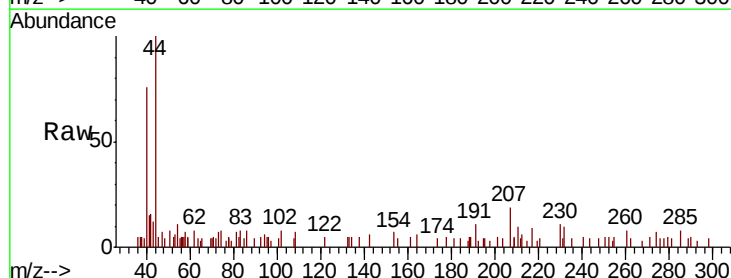
Tgt Ion: 41 Resp: 564

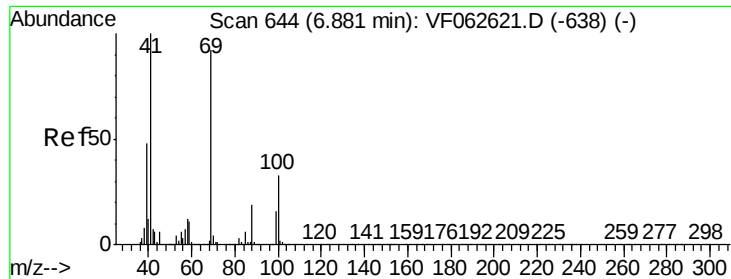
Ion Ratio Lower Upper

41 100

69 28.2 74.2 111.2#

39 29.0 34.2 51.4#

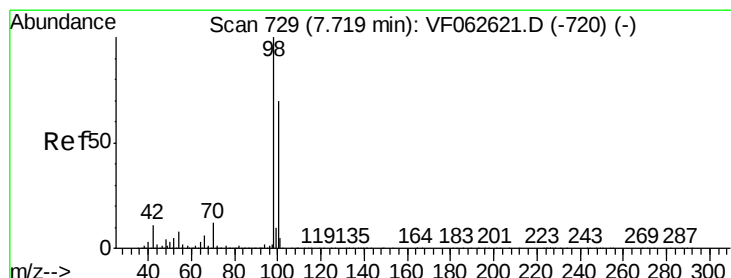
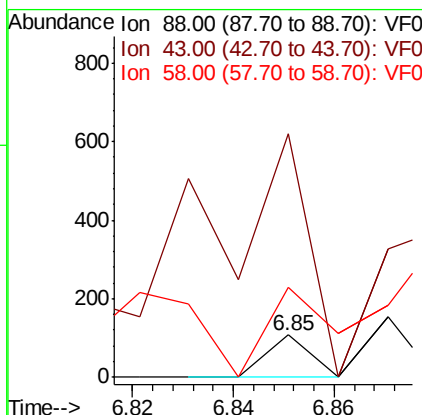
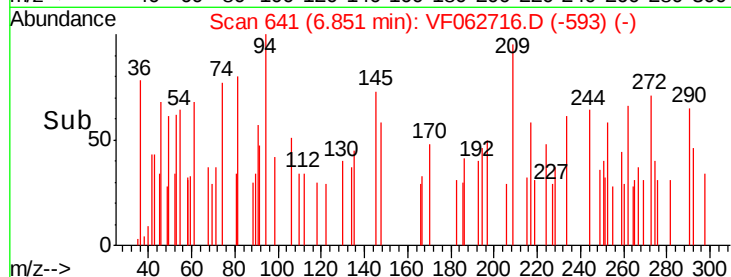
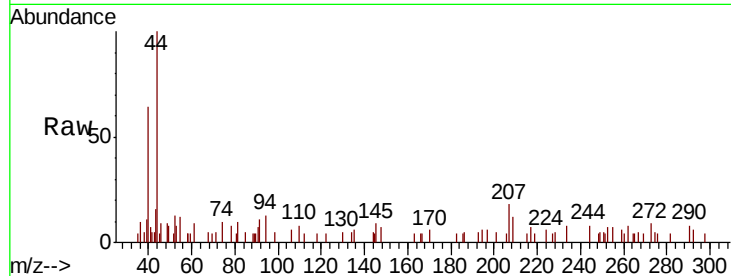




#49
1,4-Dioxane
Concen: 3458.562 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

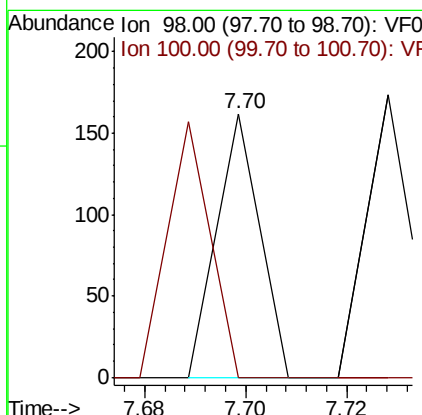
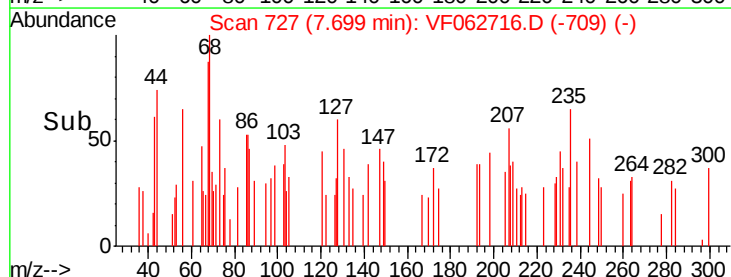
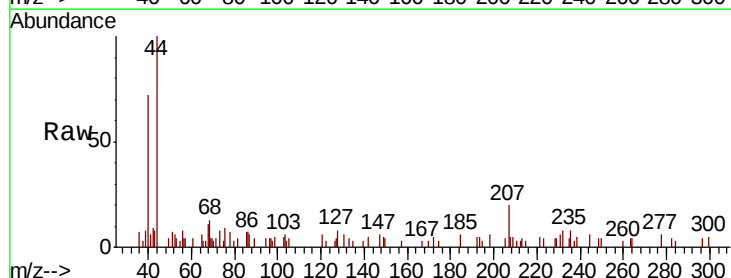
Instrument :
MSVOA_F
ClientSampled :

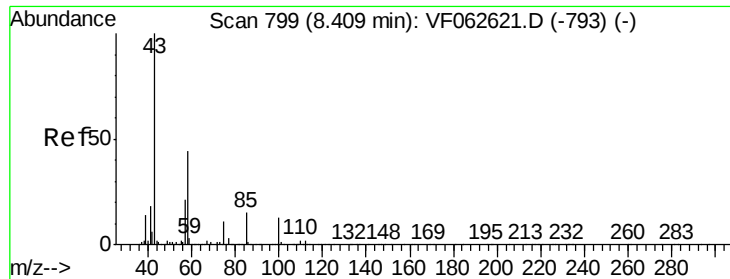
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 579.4 30.0 45.0#
58 213.1 51.1 76.7#



#50
Toluene-d8
Concen: 10.467 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion: 98 Resp: 96
Ion Ratio Lower Upper
98 100
100 0.0 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 942.521 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

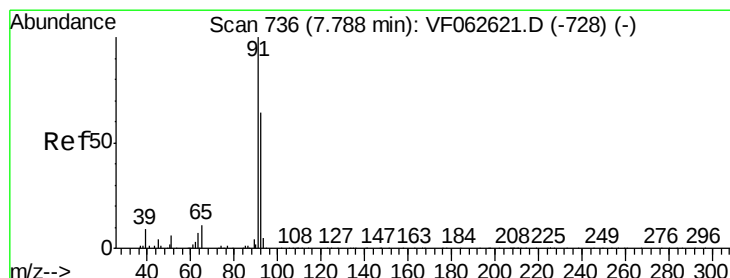
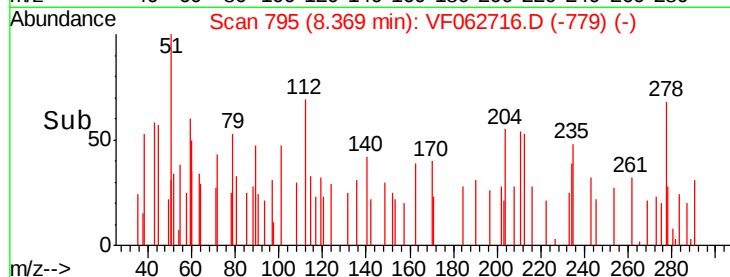
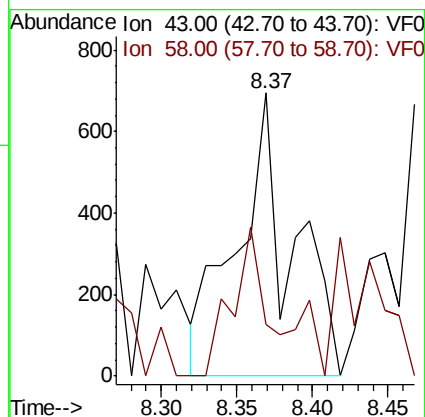
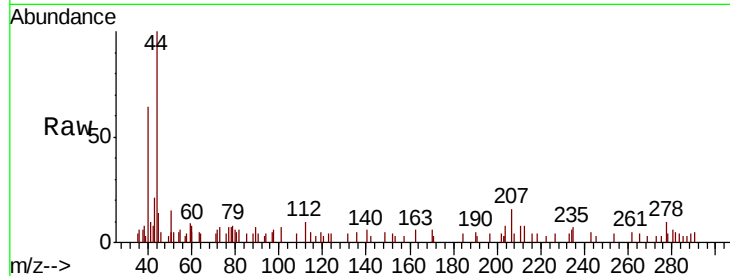
ClientSampled :

Tot Ion: 43 Resp: 1753

Ion Ratio Lower Upper

43 100

58 18.3 34.9 52.3#



#52

Toluene

Concen: 10.613 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062716.D

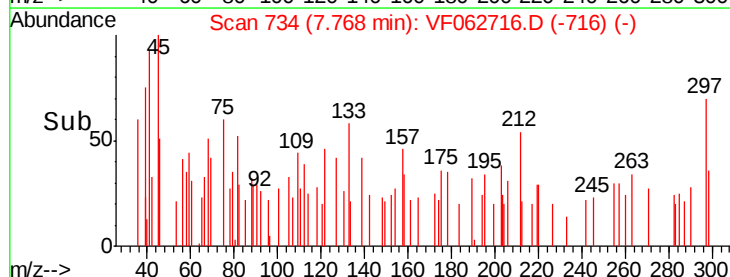
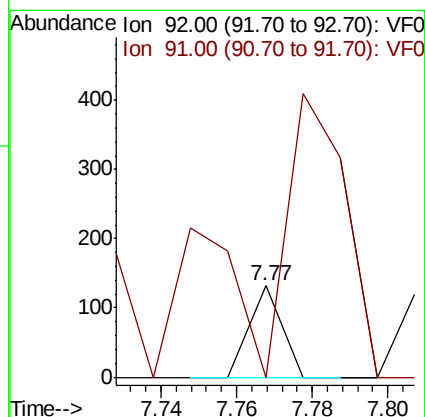
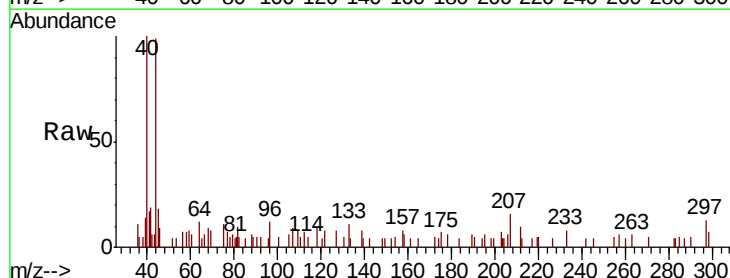
Acq: 22 May 2019 20:05

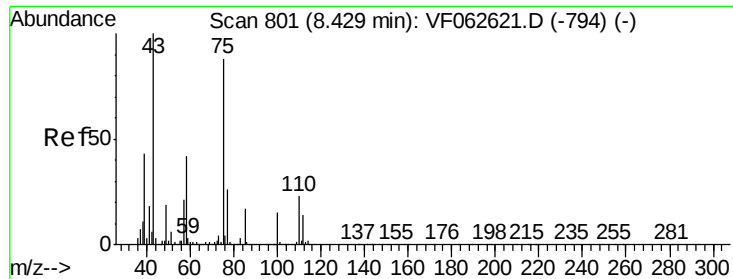
Tgt Ion: 92 Resp: 78

Ion Ratio Lower Upper

92 100

91 0.0 125.4 188.0#

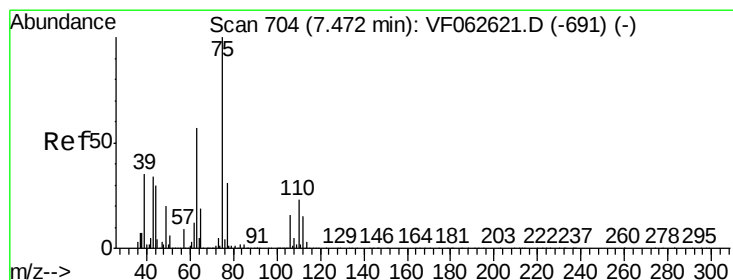
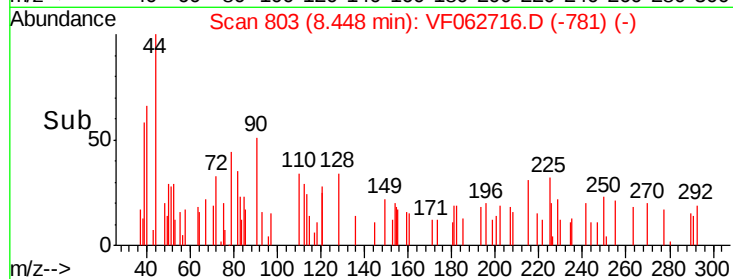
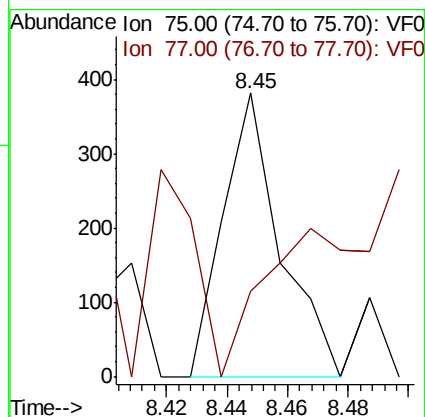
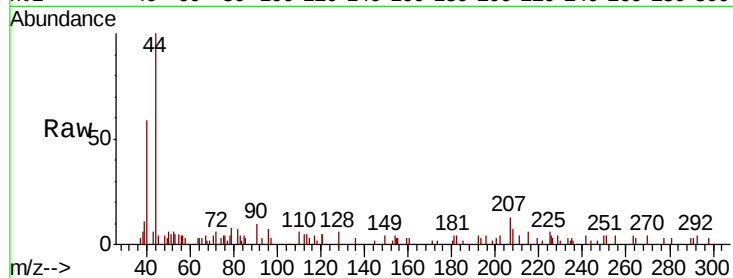




#53
 t-1,3-Dichloropropene
 Concen: 144.285 ug/l
 RT: 8.45 min Scan# 803
 Delta R.T. 0.02 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

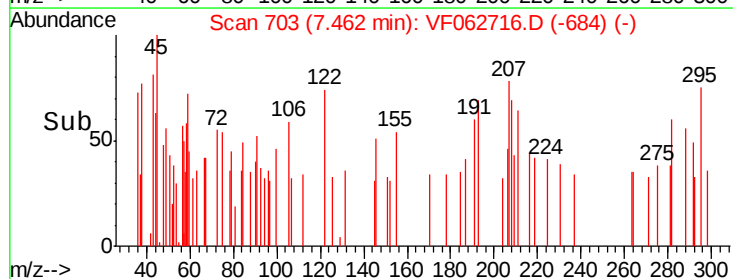
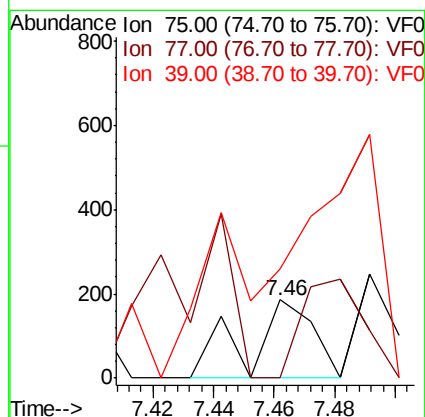
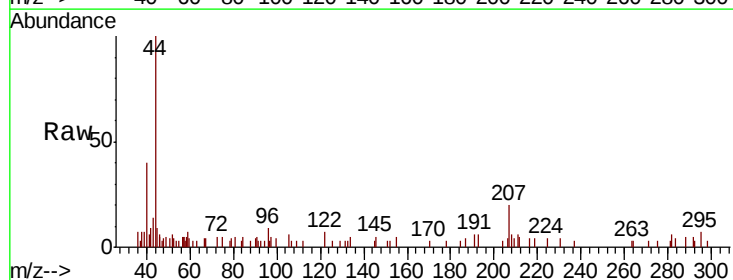
Instrument :
 MSVOA_F
 ClientSampled :

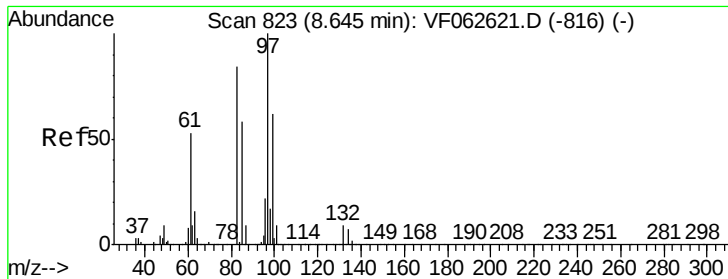
Tot Ion: 75 Resp: 501
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 56.783 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Tgt Ion: 75 Resp: 276
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 139.8 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 106.616 ug/l

RT: 8.55 min Scan# 813

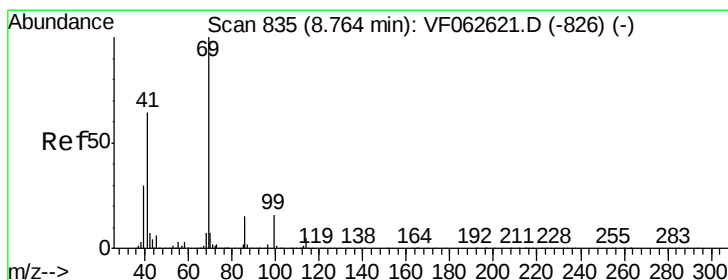
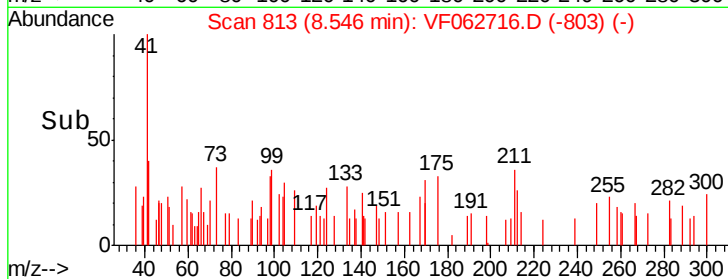
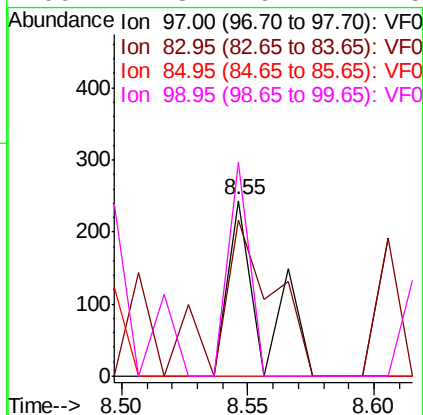
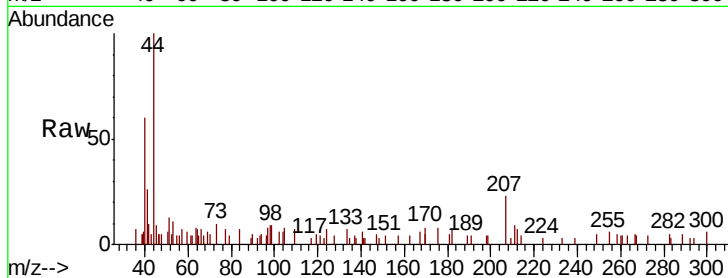
Delta R.T. -0.10 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	97	Resp:	232
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.3	100.9
85	0.0	46.6	69.8#
99	121.3	49.7	74.5#



#56

Ethyl methacrylate

Concen: 132.692 ug/l

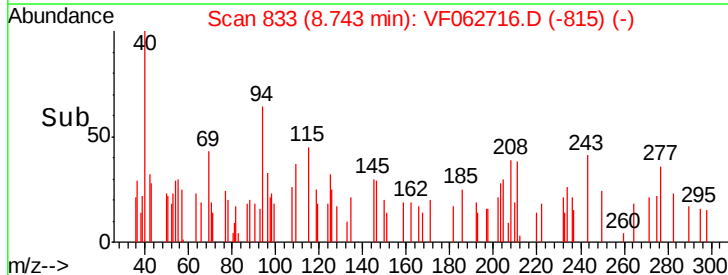
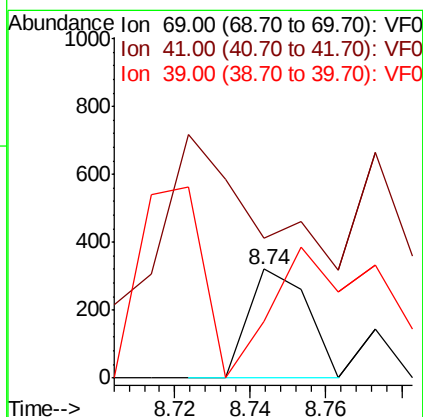
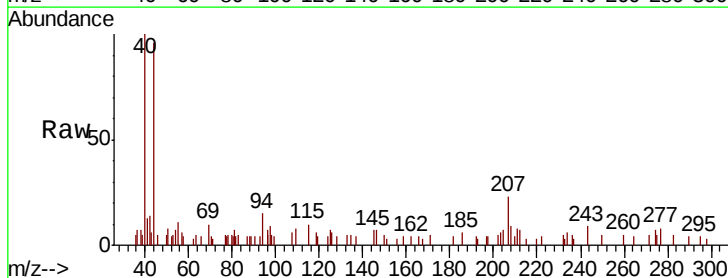
RT: 8.74 min Scan# 833

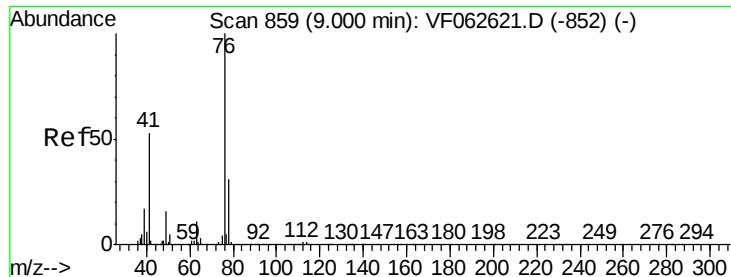
Delta R.T. -0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:	69	Resp:	344
Ion	Ratio	Lower	Upper
69	100		
41	128.4	51.4	77.2#
39	51.6	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 90.383 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.03 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

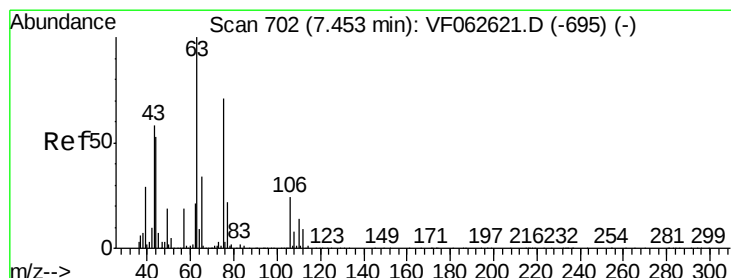
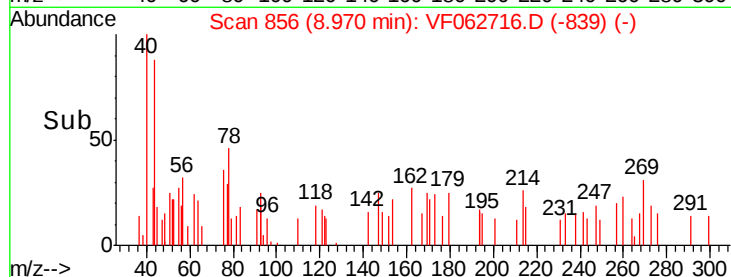
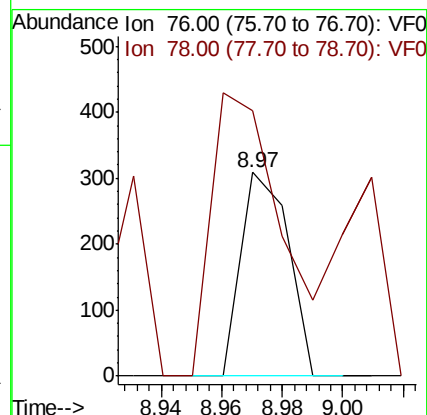
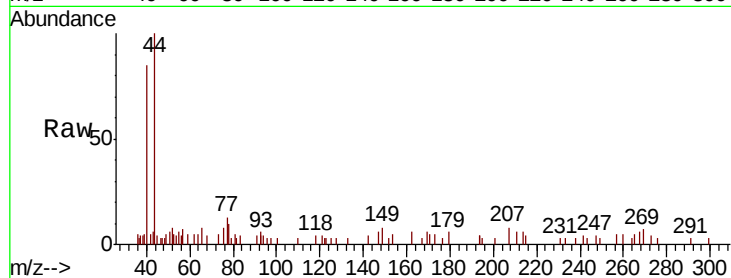
ClientSampled :

Tot Ion: 76 Resp: 335

Ion Ratio Lower Upper

76 100

78 130.1 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 272.560 ug/l

RT: 7.38 min Scan# 695

Delta R.T. -0.07 min

Lab File: VF062716.D

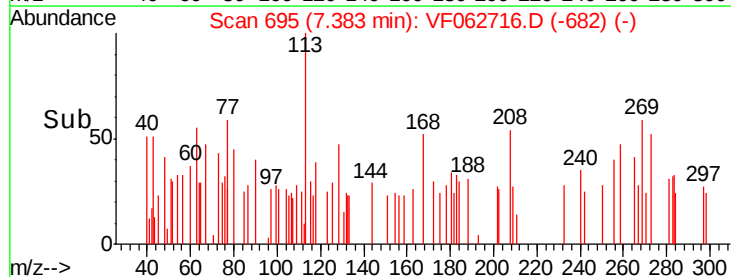
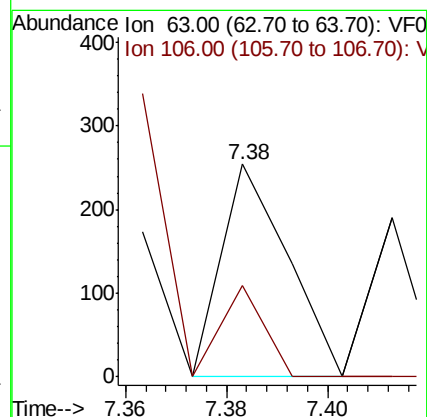
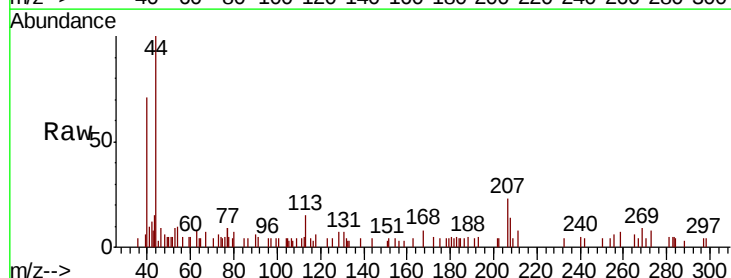
Acq: 22 May 2019 20:05

Tgt Ion: 63 Resp: 230

Ion Ratio Lower Upper

63 100

106 43.3 19.1 28.7#

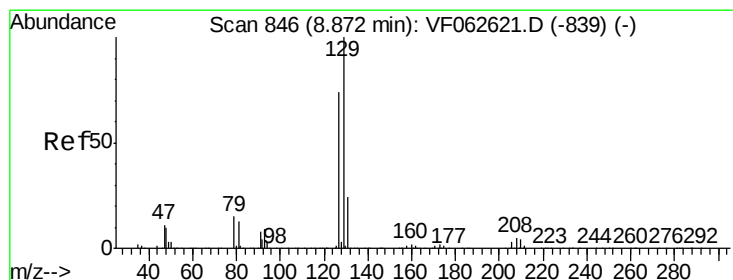
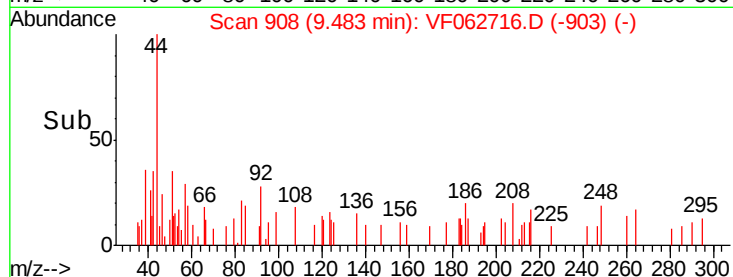
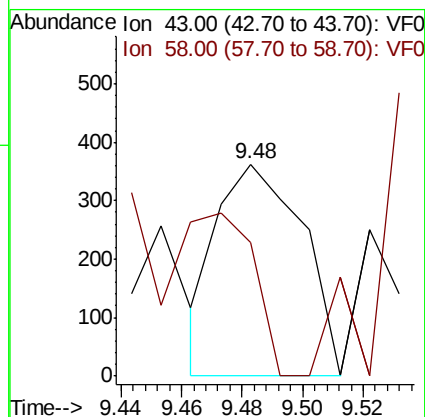
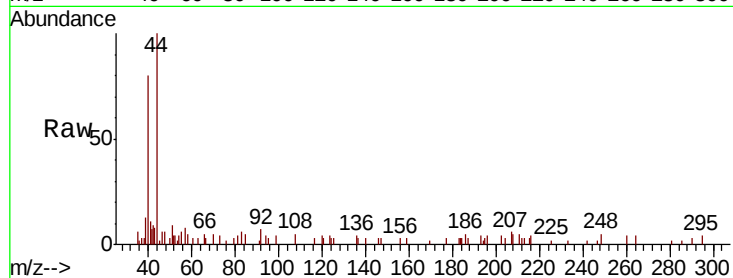




#59
2-Hexanone
Concen: 617.932 ug/l
RT: 9.48 min Scan# 908
Delta R.T. -0.15 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

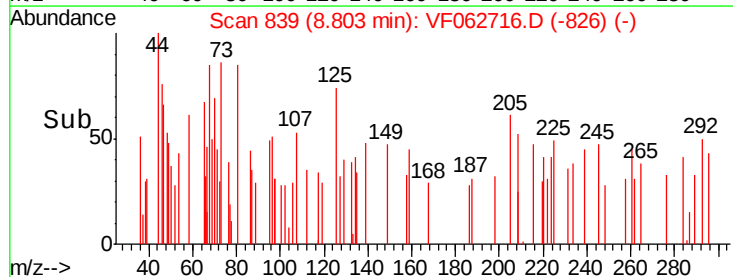
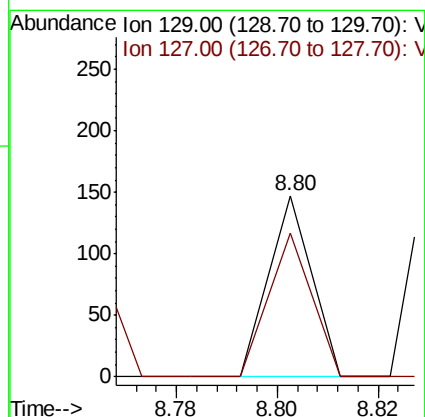
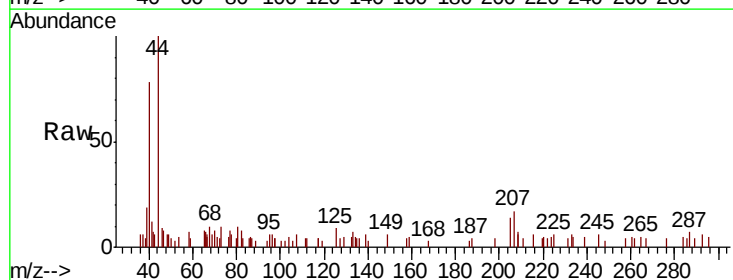
Instrument :
MSVOA_F
ClientSampleId :

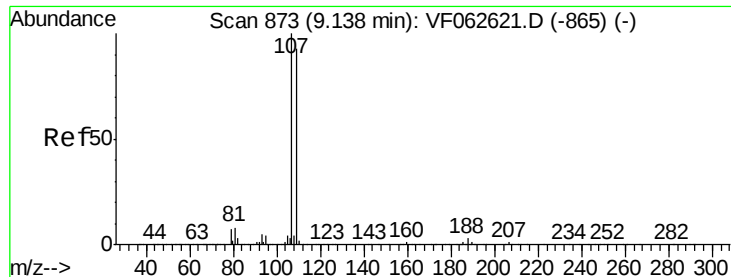
Tot Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 63.1 28.1 84.4



#60
Dibromochloromethane
Concen: 30.676 ug/l
RT: 8.80 min Scan# 839
Delta R.T. -0.07 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion: 129 Resp: 87
Ion Ratio Lower Upper
129 100
127 79.6 37.2 111.6





#61

1,2-Dibromoethane

Concen: 78.744 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.03 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

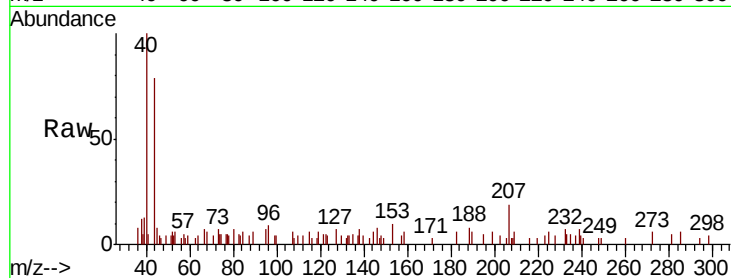
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 182

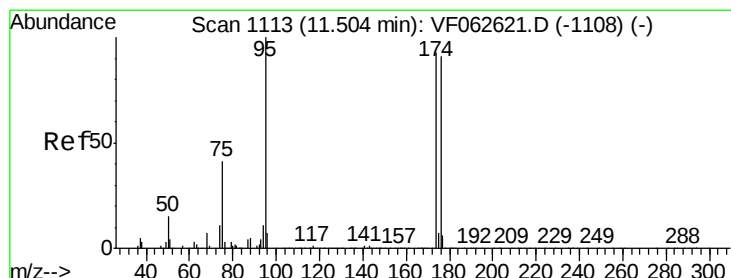
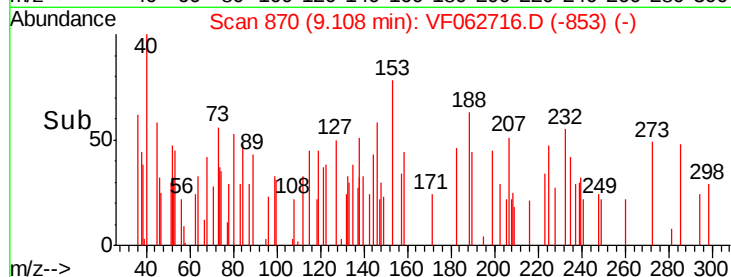
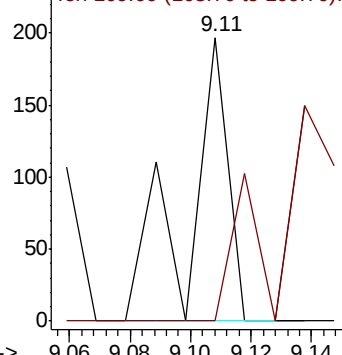
Ion Ratio Lower Upper

107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 65.545 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

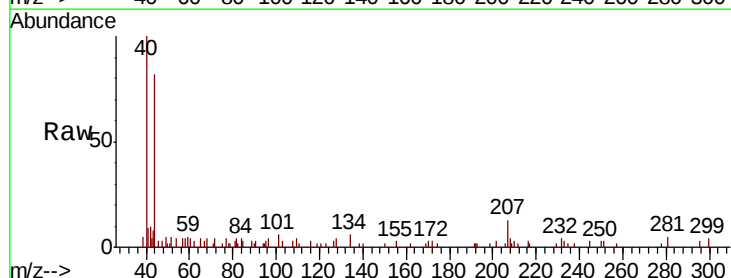
Tgt Ion: 95 Resp: 228

Ion Ratio Lower Upper

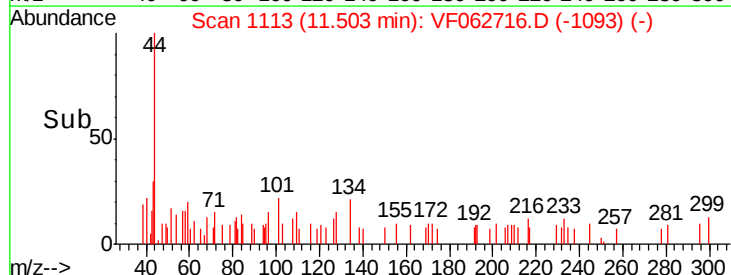
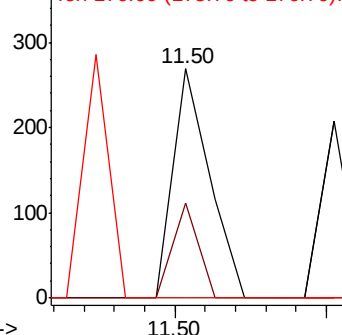
95 100

174 41.3 0.0 185.6

176 0.0 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

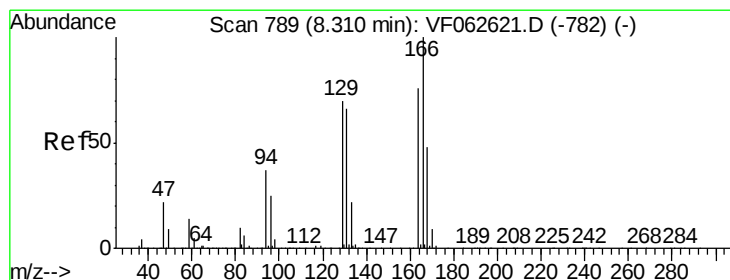
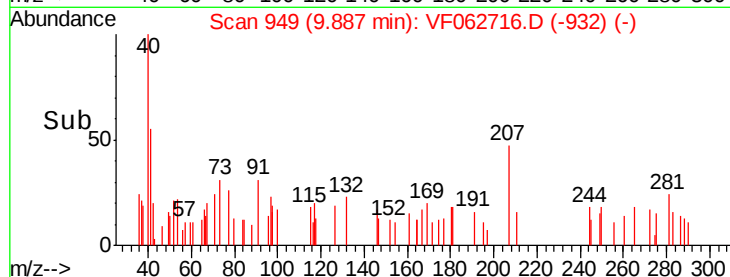
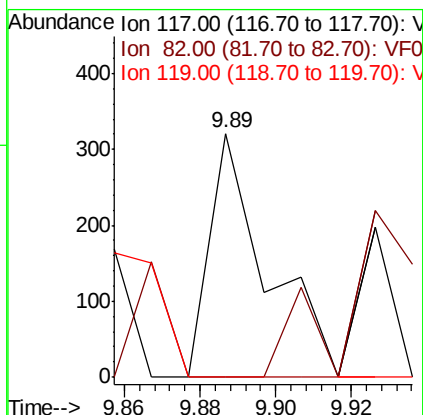
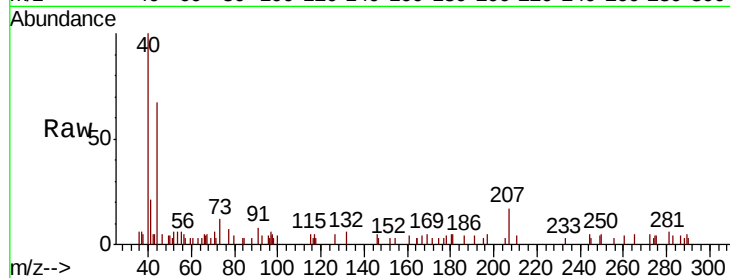




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.03 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

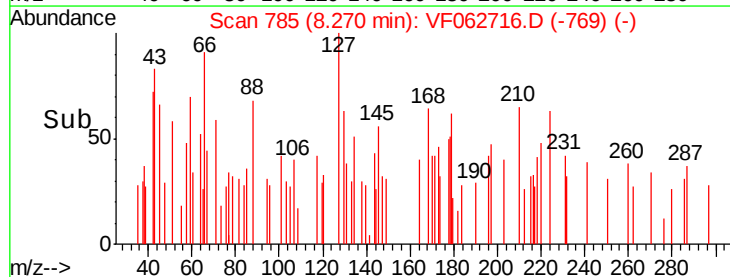
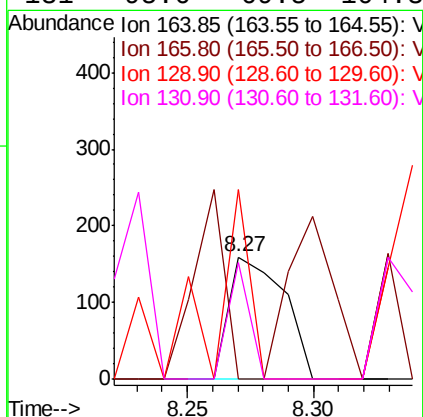
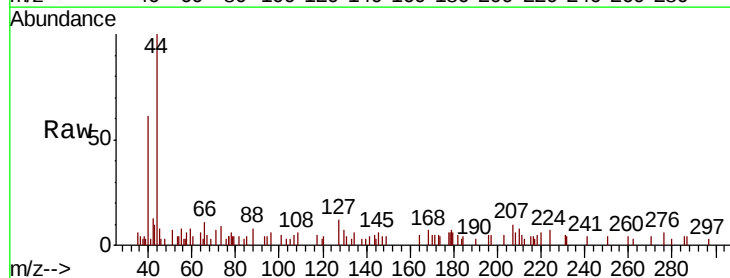
Instrument :
MSVOA_F
ClientSampled :

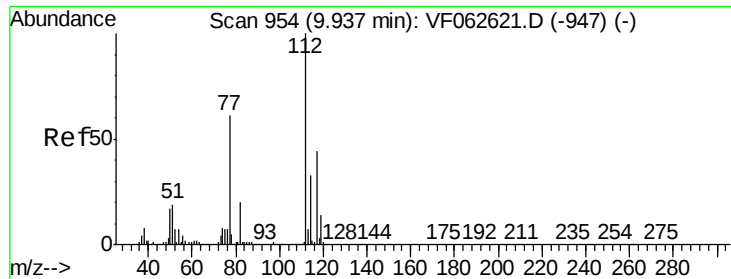
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.3	64.9#
119	0.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 91.080 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.04 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	156.0	73.8	110.6#
131	95.6	69.5	104.3

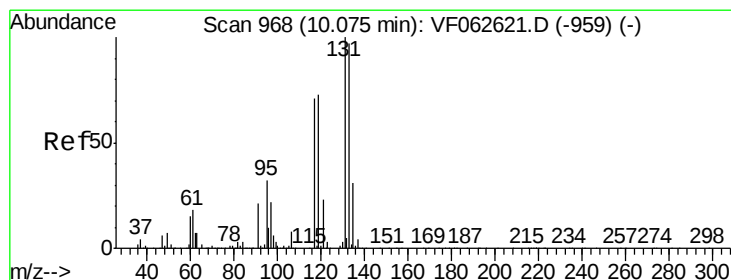
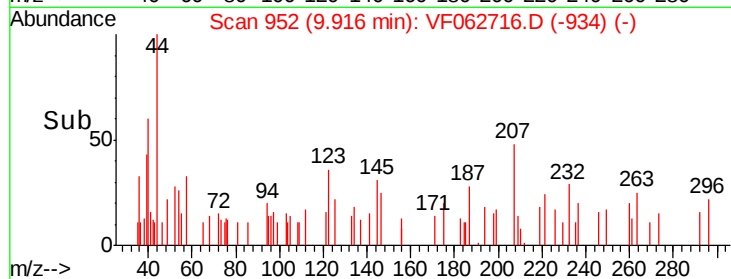
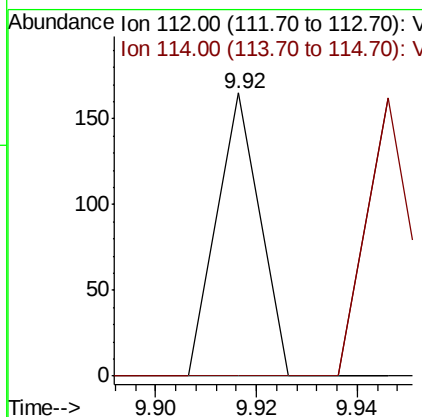
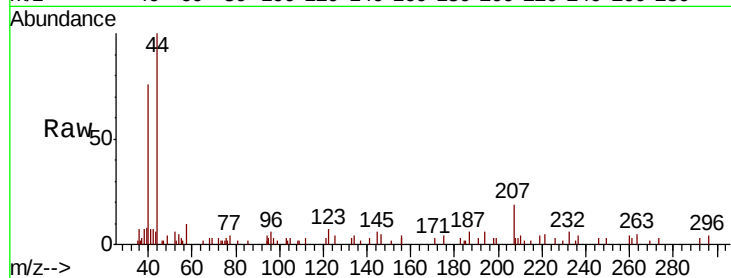




#65
Chlorobenzene
Concen: 14.939 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

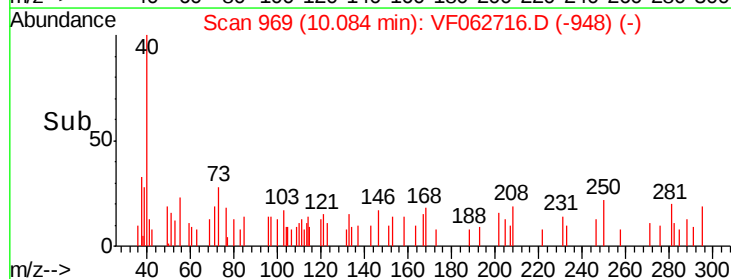
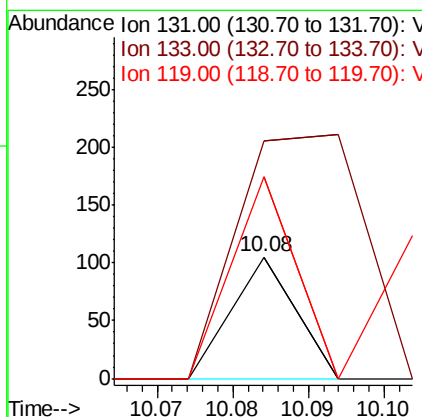
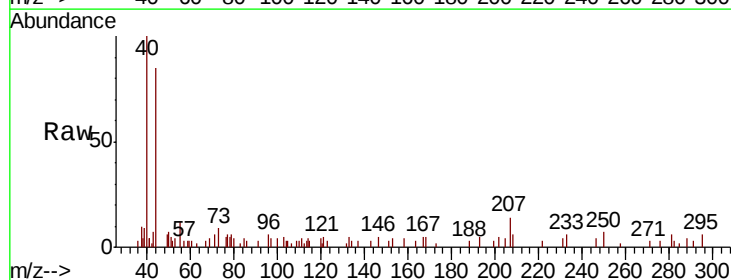
Instrument :
MSVOA_F
ClientSampleId :

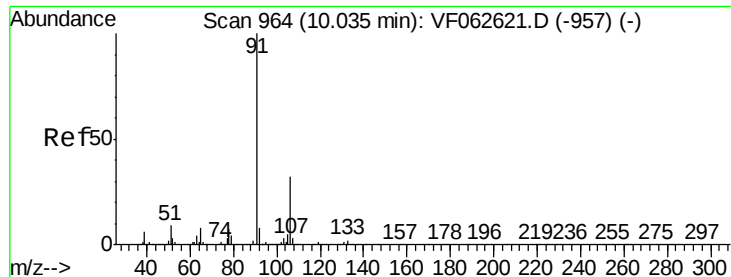
Tot Ion:112 Resp: 98
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 23.543 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion:131 Resp: 62
Ion Ratio Lower Upper
131 100
133 195.2 48.5 145.5#
119 165.7 36.8 110.4#





#67

Ethyl Benzene

Concen: 16.848 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

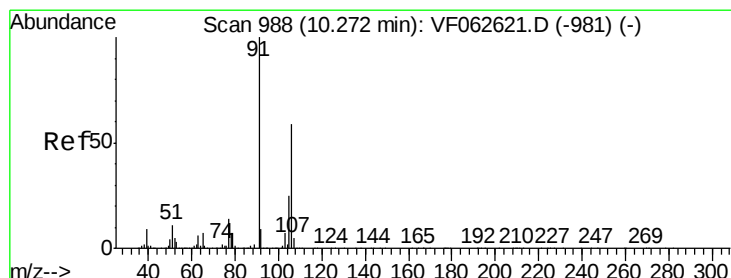
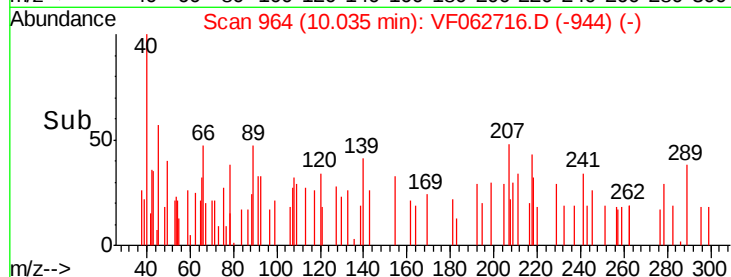
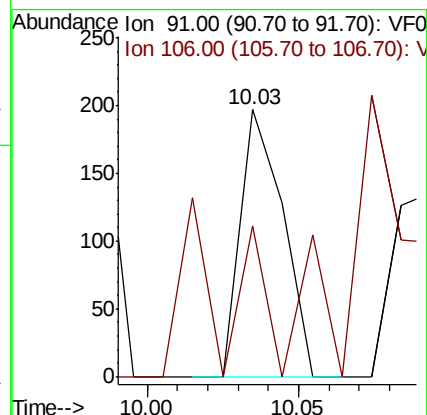
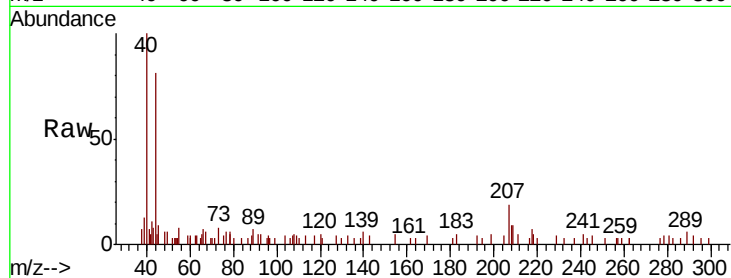
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 192

Ion Ratio Lower Upper

91 100

106 56.3 25.8 38.8#



#68

m/p-Xylenes

Concen: 84.983 ug/l

RT: 10.33 min Scan# 994

Delta R.T. 0.06 min

Lab File: VF062716.D

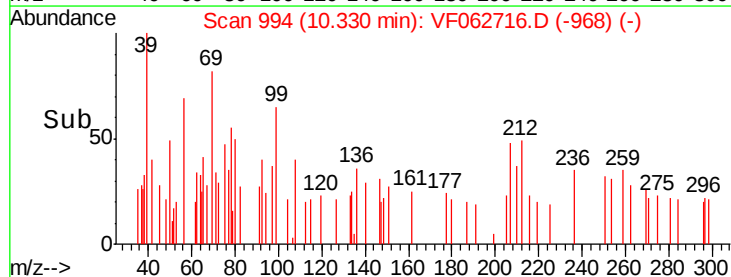
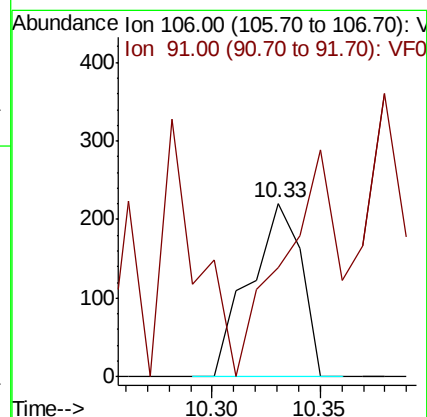
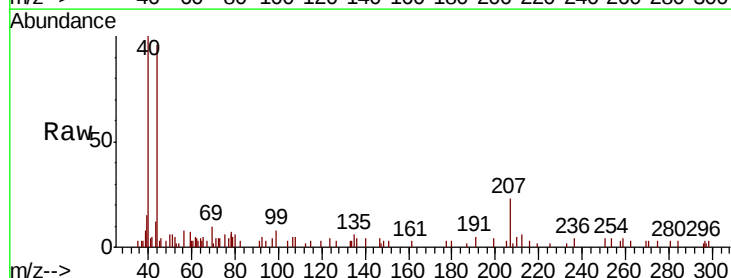
Acq: 22 May 2019 20:05

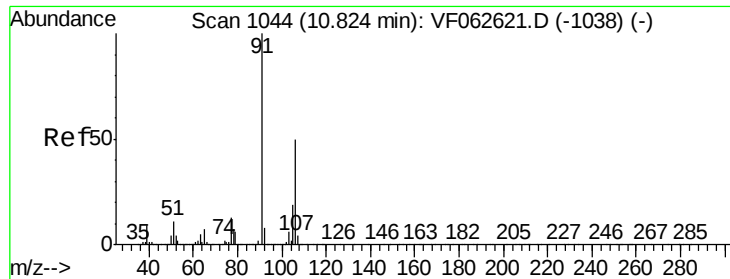
Tgt Ion: 106 Resp: 364

Ion Ratio Lower Upper

106 100

91 62.9 136.9 205.3#

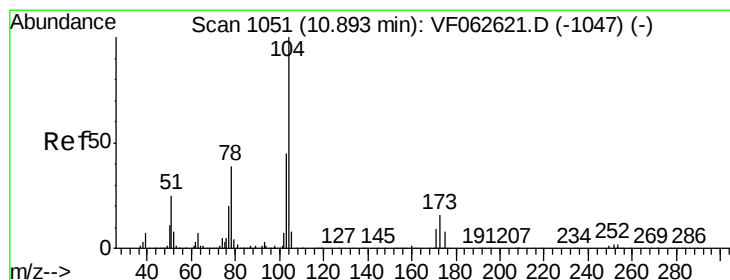
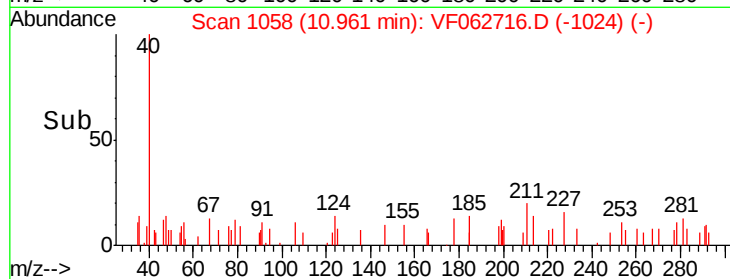
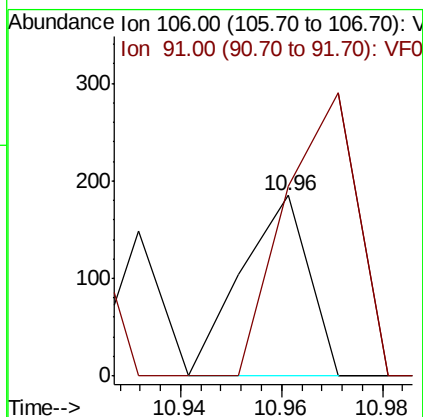
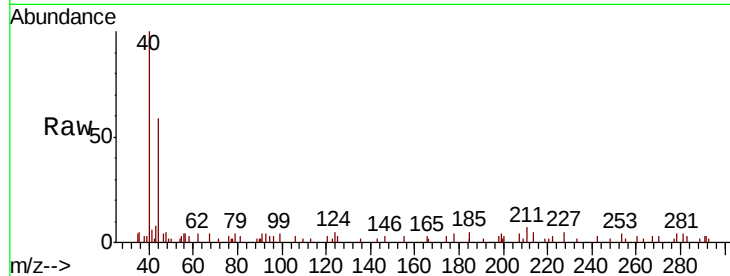




#69
o-Xylene
Concen: 38.760 ug/l
RT: 10.96 min Scan# 1058
Delta R.T. 0.14 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

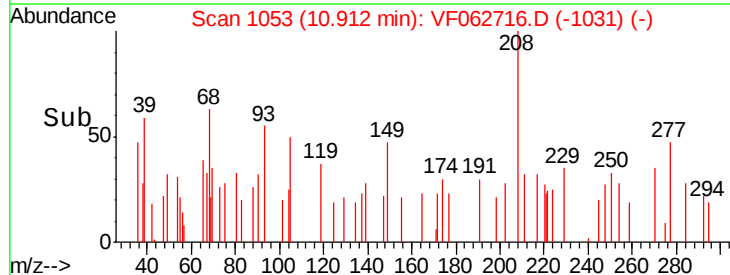
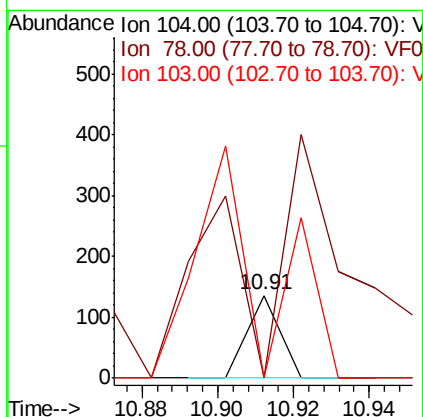
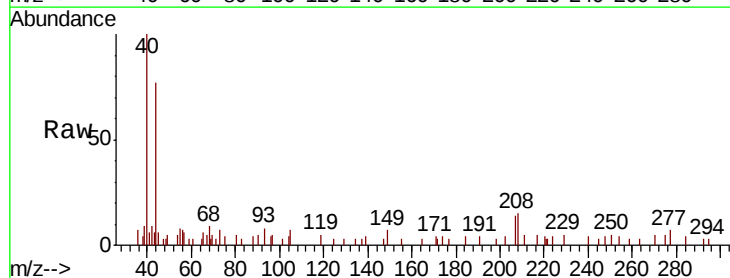
Instrument :
MSVOA_F
ClientSampleId :

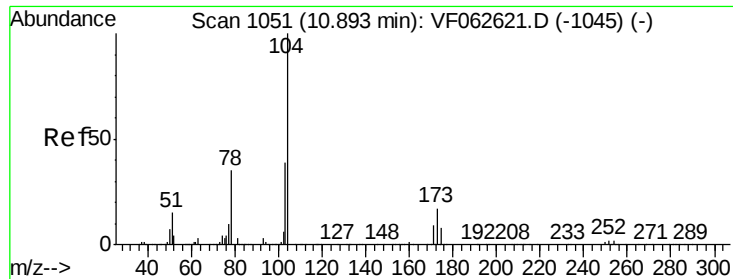
Tot Ion:106 Resp: 171
Ion Ratio Lower Upper
106 100
91 104.9 100.2 300.5



#70
Styrene
Concen: 11.930 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062716.D
Acq: 22 May 2019 20:05

Tgt Ion:104 Resp: 80
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 121.307 ug/l

RT: 10.84 min Scan# 1046

Delta R.T. -0.05 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

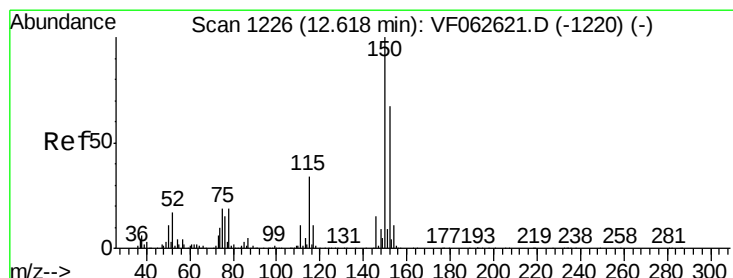
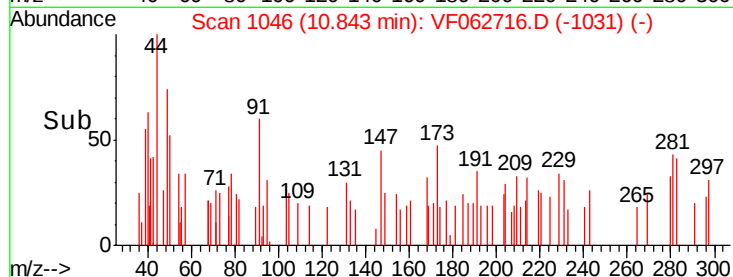
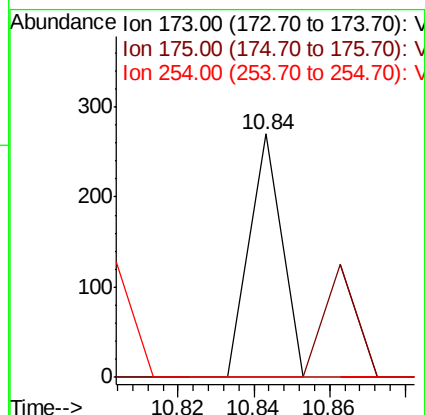
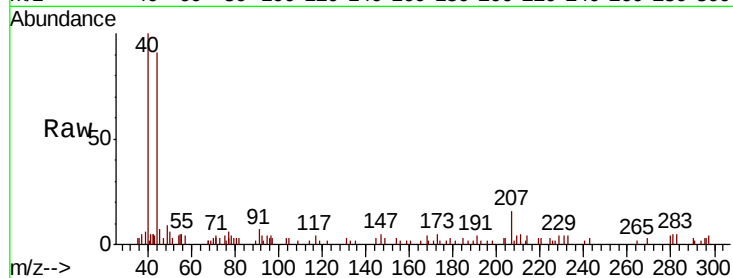
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:173 Resp: 160

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: 12.59 min Scan# 1223

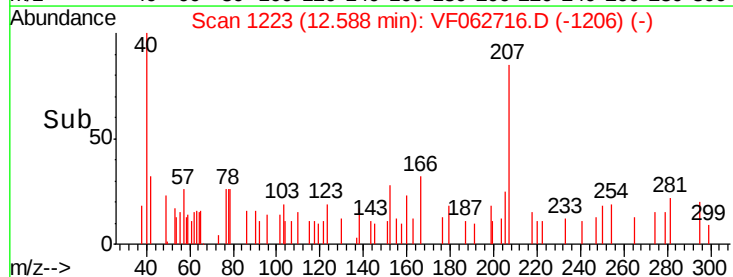
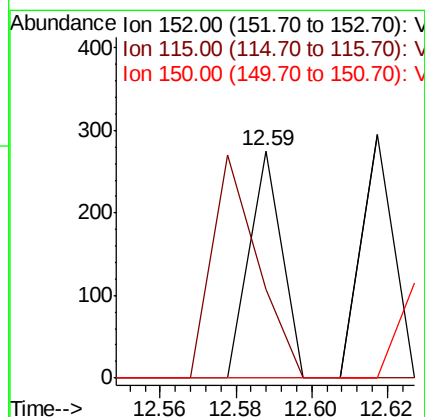
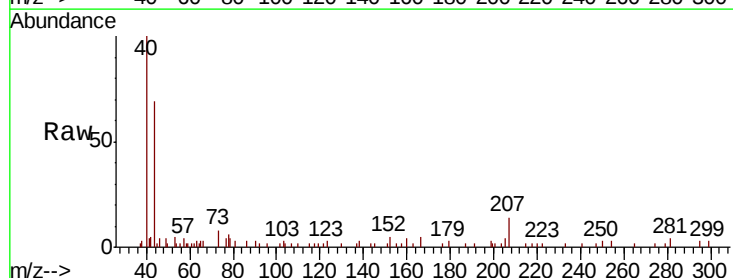
Delta R.T. -0.03 min

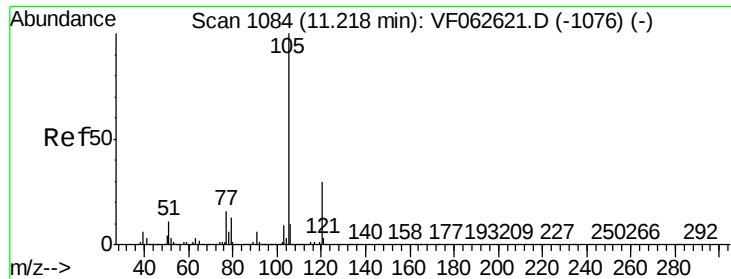
Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:152 Resp: 163

Ion	Ratio	Lower	Upper
152	100		
115	39.3	25.2	75.6
150	0.0	0.0	306.2





#73

Isopropylbenzene

Concen: 28.590 ug/l

RT: 11.17 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

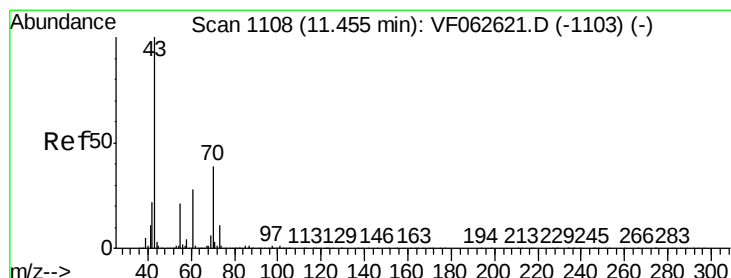
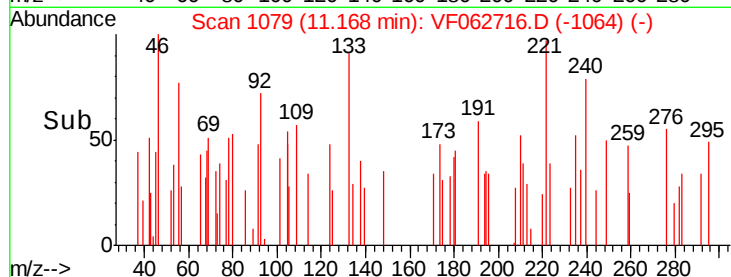
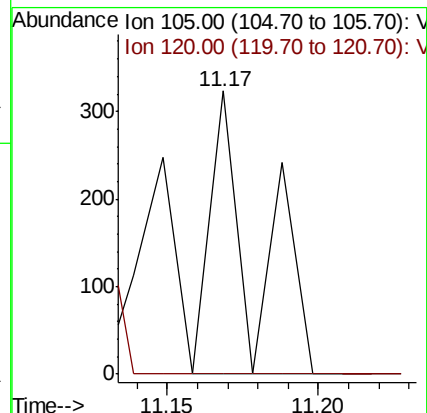
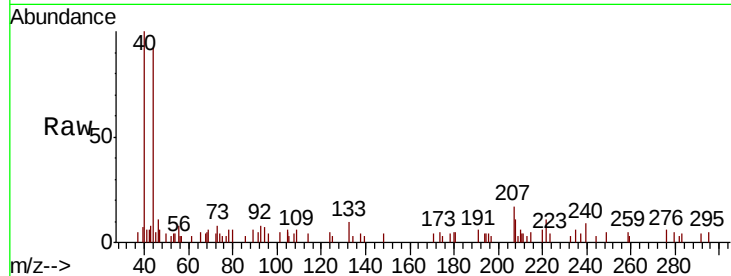
ClientSampled :

Tot Ion:105 Resp: 334

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



#74

N-ethyl acetate

Concen: 237.951 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion: 43 Resp: 647

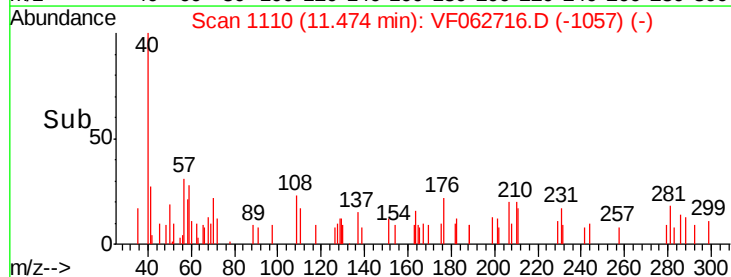
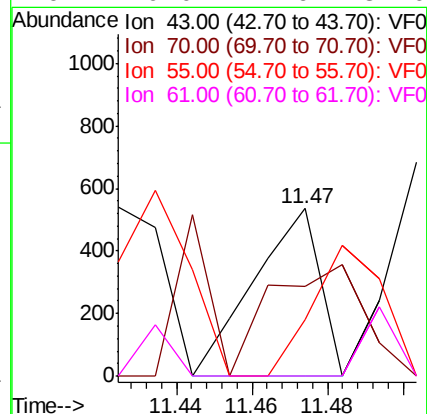
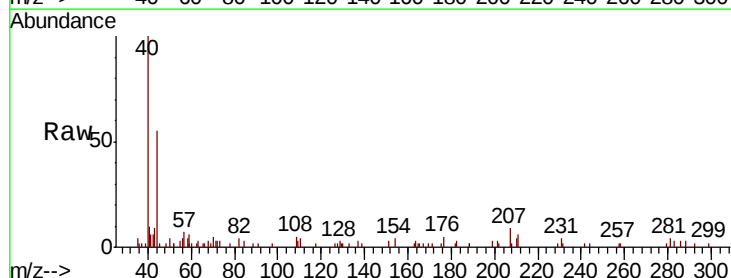
Ion Ratio Lower Upper

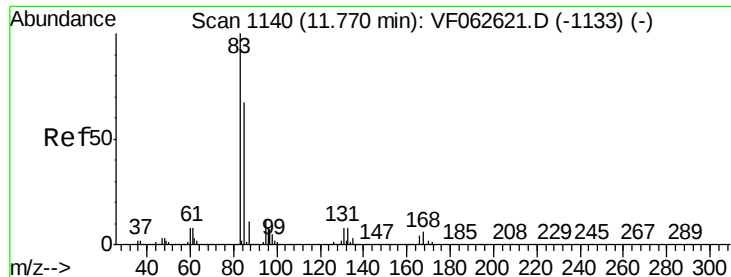
43 100

70 53.6 30.9 46.3#

55 33.8 17.0 25.4#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 60.315 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062716.D

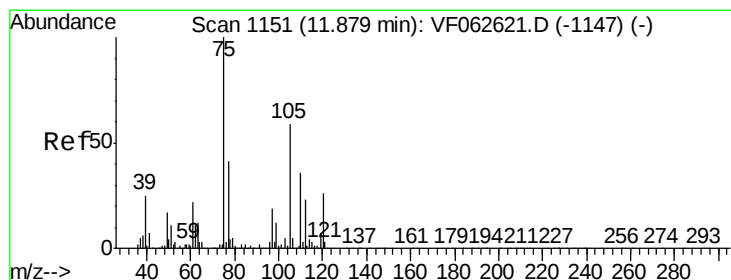
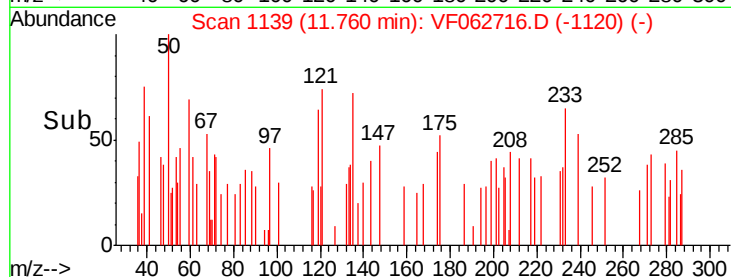
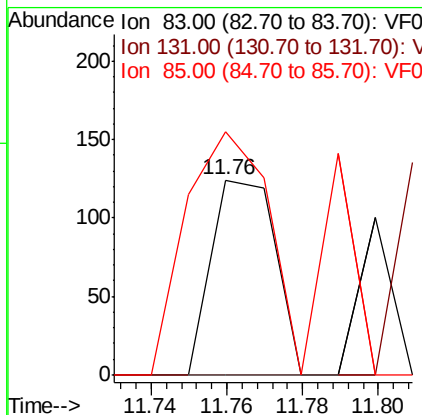
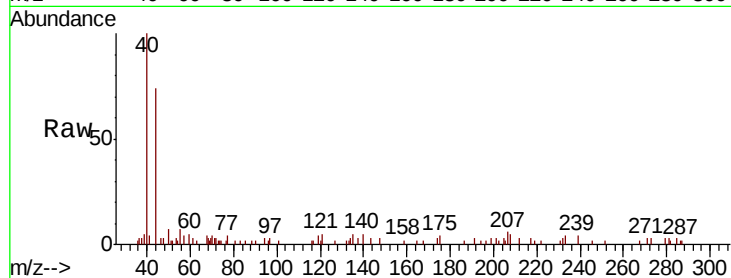
Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	83	Resp:	144
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.0#
85	125.0	33.5	100.5#



#76

1,2,3-Trichloropropane

Concen: 222.474 ug/l

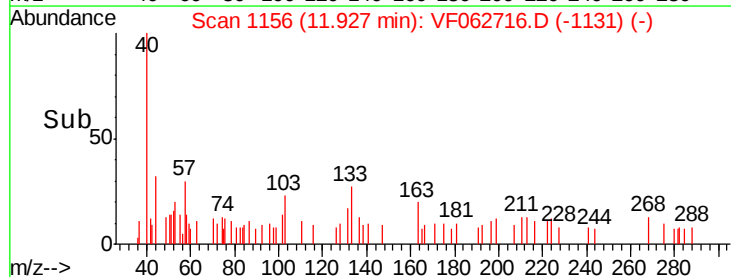
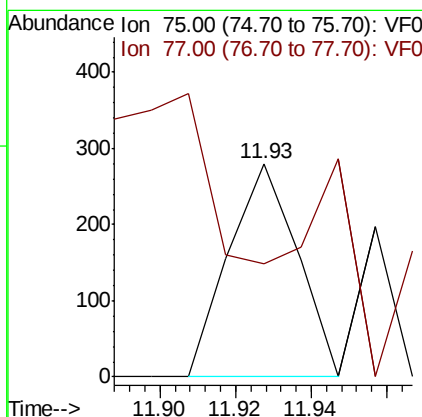
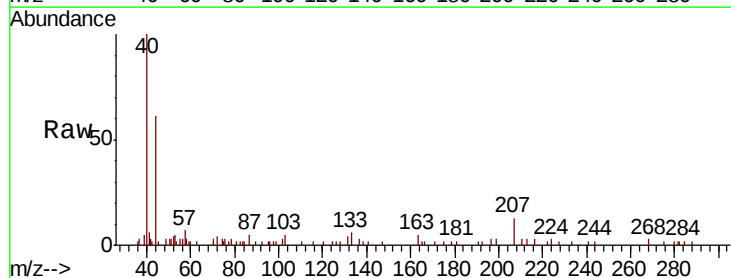
RT: 11.93 min Scan# 1156

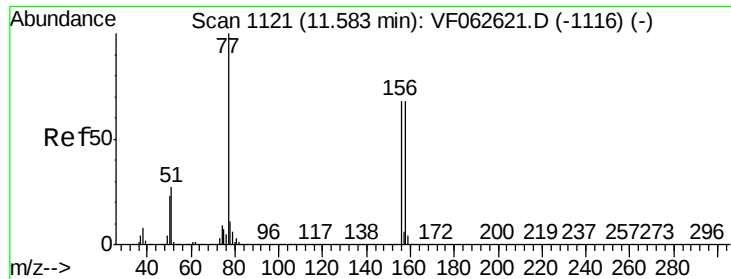
Delta R.T. 0.05 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:	75	Resp:	349
Ion	Ratio	Lower	Upper
75	100		
77	53.2	20.6	61.8





#77

Bromobenzene

Concen: 32.026 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

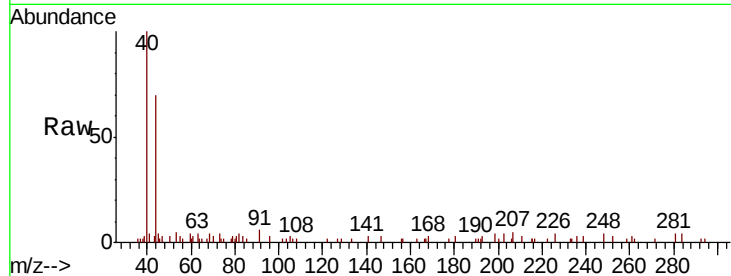
Tot Ion:156 Resp: 93

Ion Ratio Lower Upper

156 100

77 0.0 73.6 220.8#

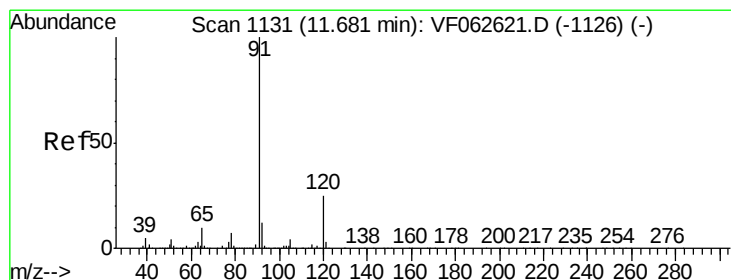
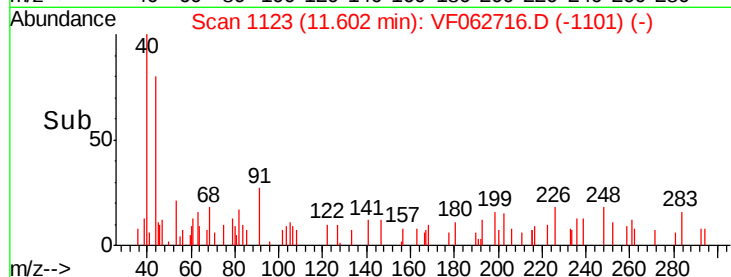
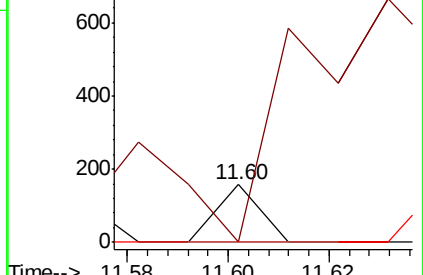
158 0.0 49.6 148.8#



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: 26.906 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062716.D

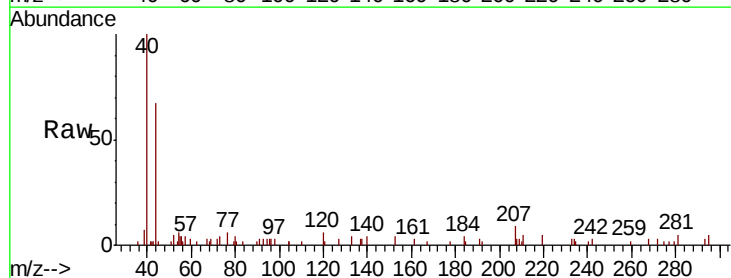
Acq: 22 May 2019 20:05

Tgt Ion: 91 Resp: 372

Ion Ratio Lower Upper

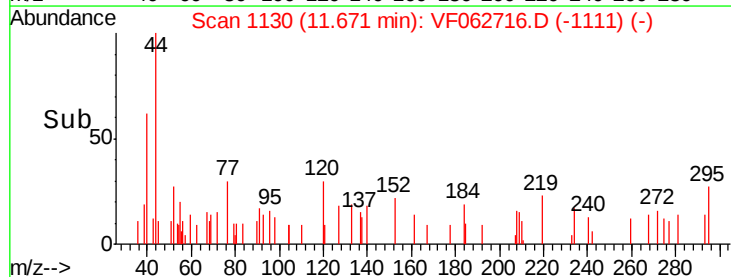
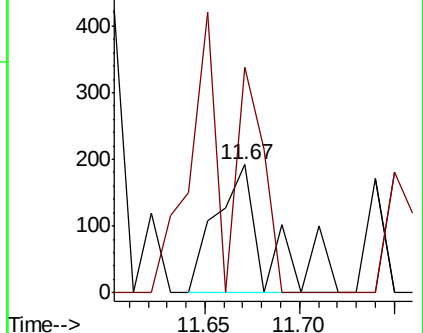
91 100

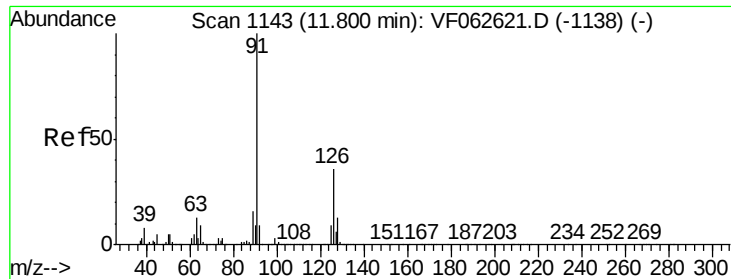
120 176.0 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 7.957 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

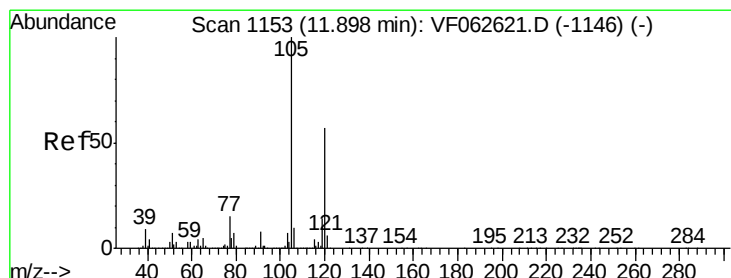
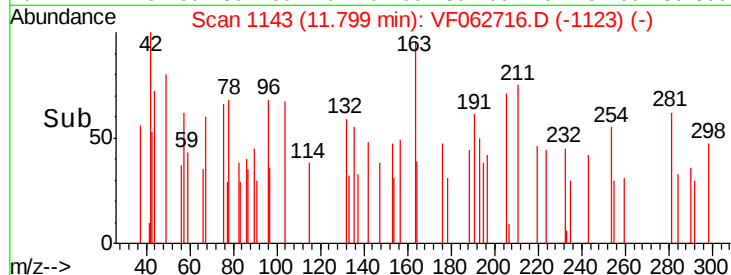
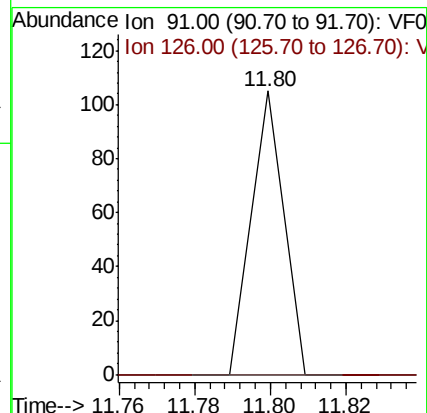
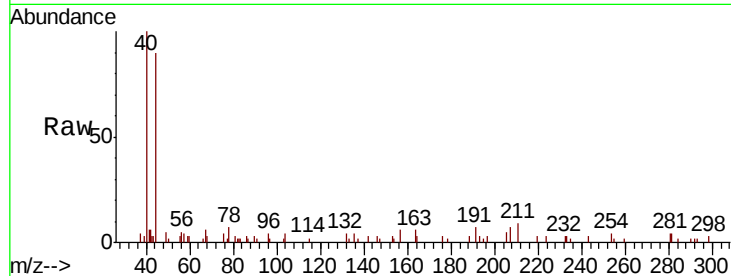
ClientSampleId :

Tot Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 28.182 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.09 min

Lab File: VF062716.D

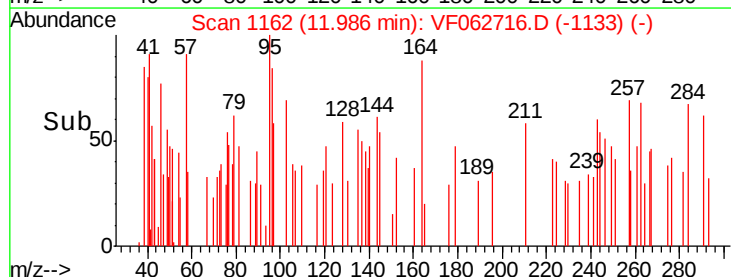
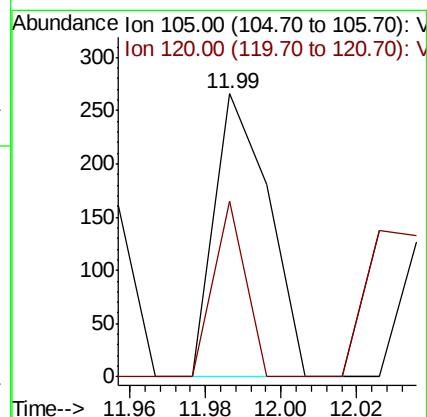
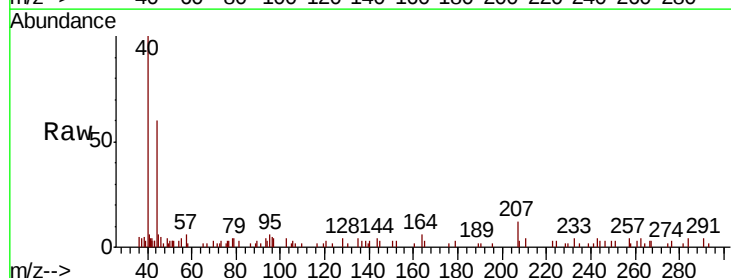
Acq: 22 May 2019 20:05

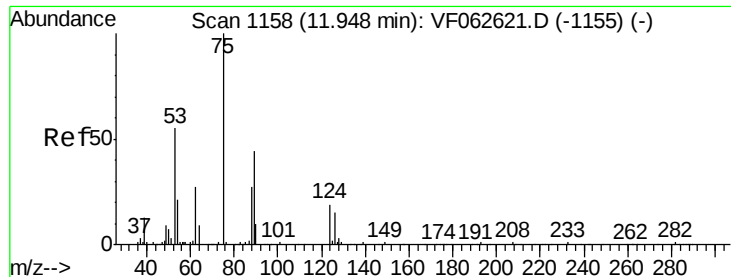
Tgt Ion:105 Resp: 264

Ion Ratio Lower Upper

105 100

120 62.0 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 476.118 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. -0.11 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

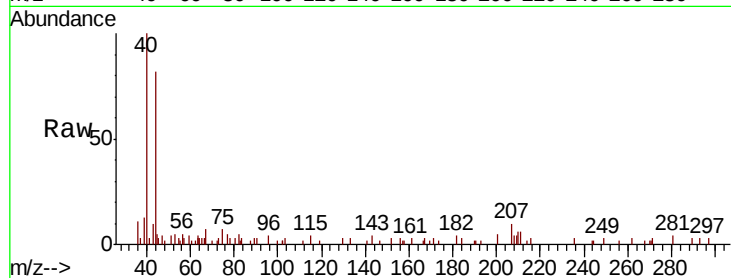
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 332

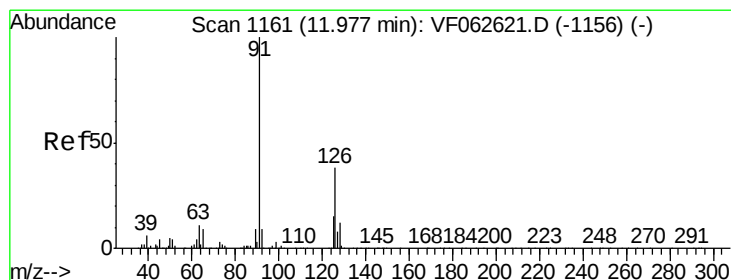
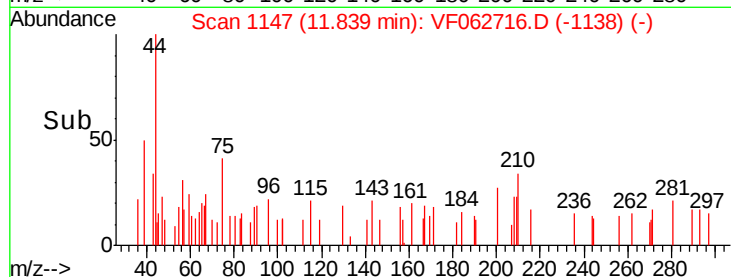
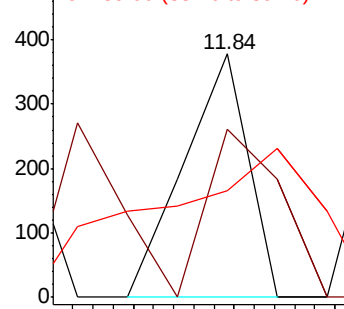
Ion	Ratio	Lower	Upper
75	100		
53	69.3	46.9	70.3
89	43.9	36.4	54.6



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: 42.297 ug/l

RT: 11.97 min Scan# 1160

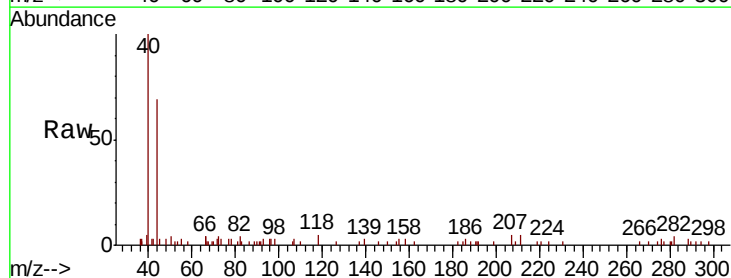
Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

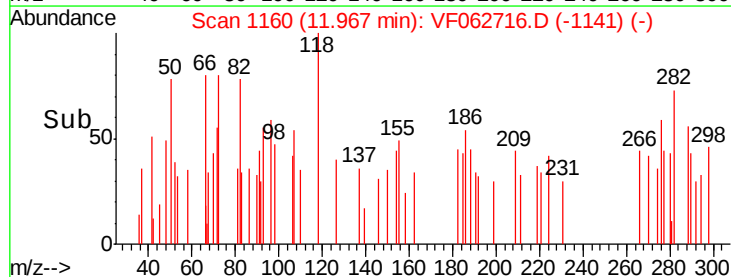
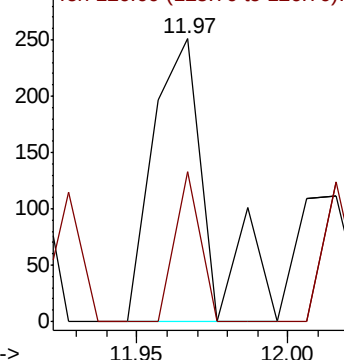
Tgt Ion: 91 Resp: 325

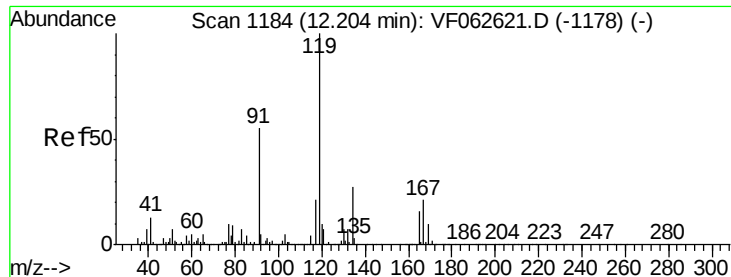
Ion	Ratio	Lower	Upper
91	100		
126	53.0	19.1	57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 18.519 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062716.D

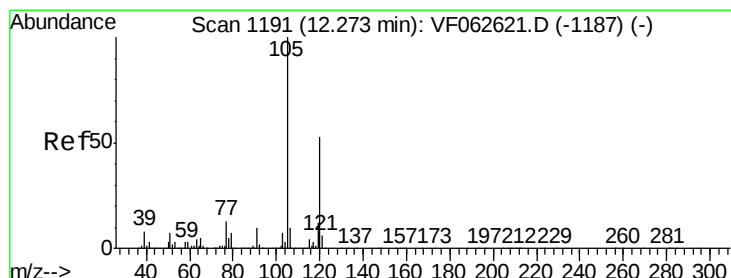
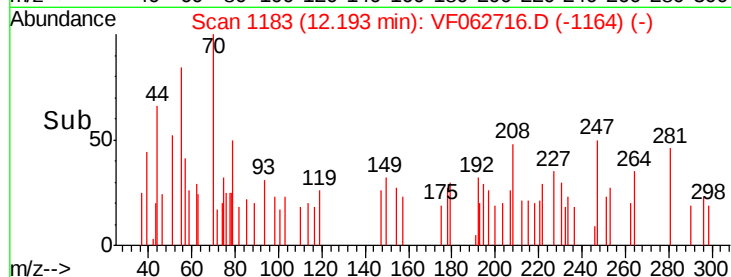
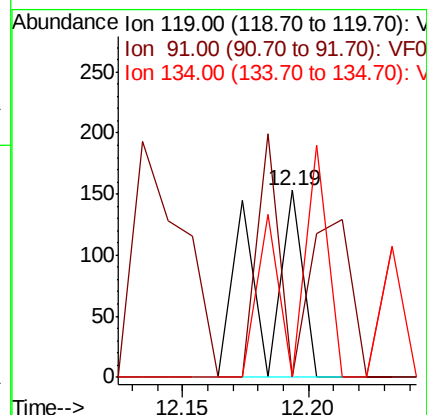
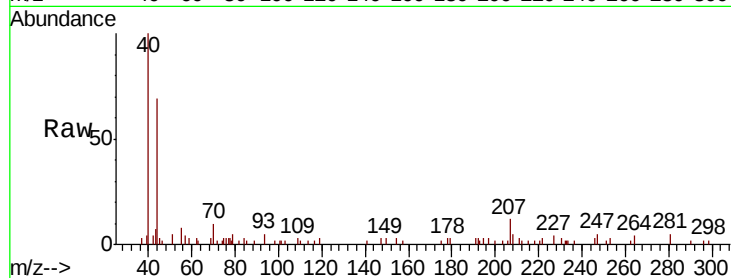
Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	119	Resp:	176
Ion	Ratio	Lower	Upper
119	100		
91	0.0	27.3	81.9#
134	0.0	13.6	40.7#



#84

1,2,4-Trimethylbenzene

Concen: 18.419 ug/l

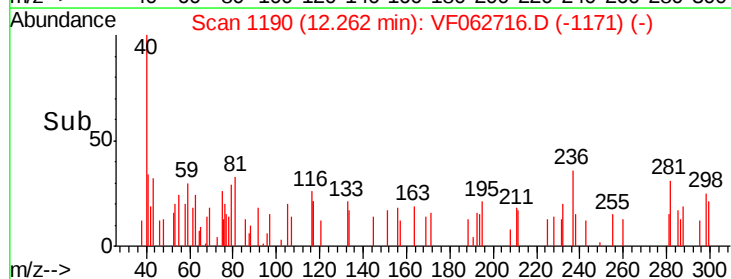
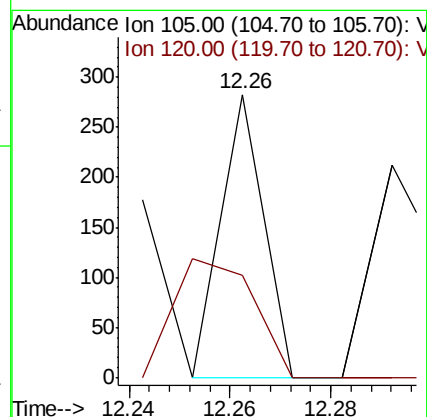
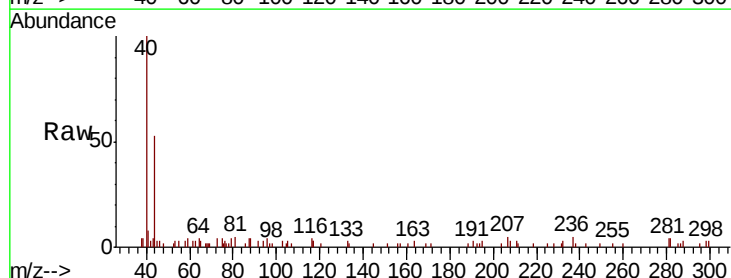
RT: 12.26 min Scan# 1190

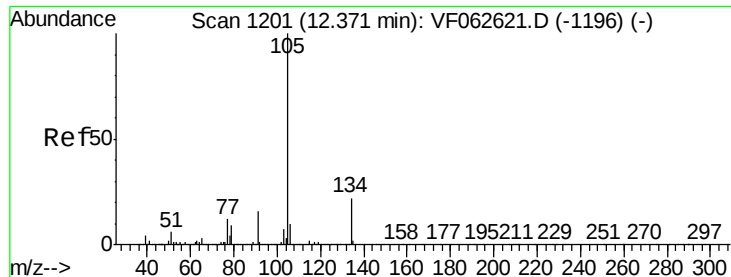
Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:	105	Resp:	167
Ion	Ratio	Lower	Upper
105	100		
120	36.0	26.7	80.1





#85

sec-Butylbenzene

Concen: 8.232 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

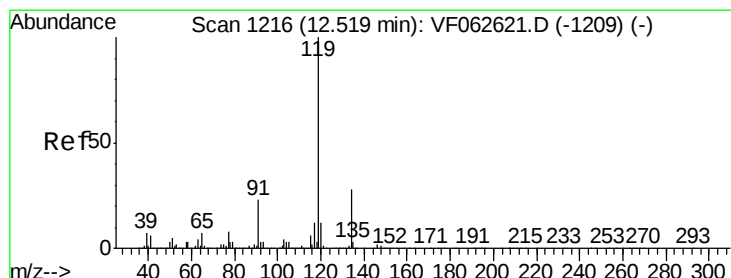
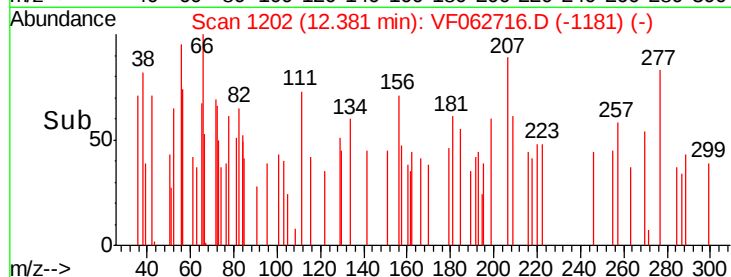
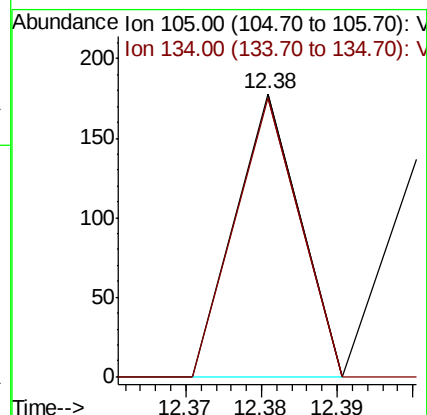
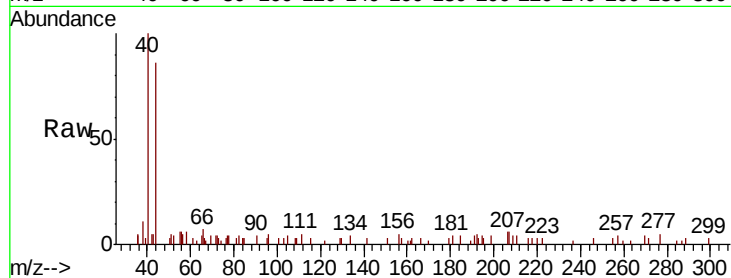
ClientSampled :

Tot Ion:105 Resp: 105

Ion Ratio Lower Upper

105 100

134 98.3 10.8 32.4#



#86

p-Isopropyltoluene

Concen: 20.654 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

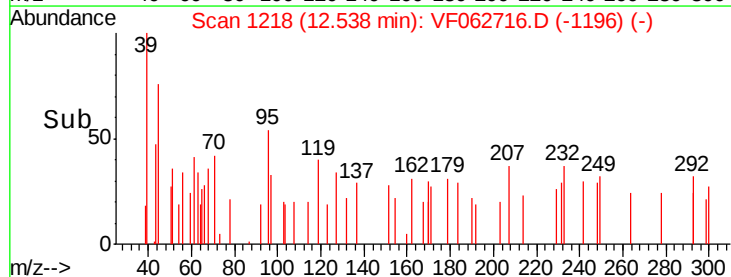
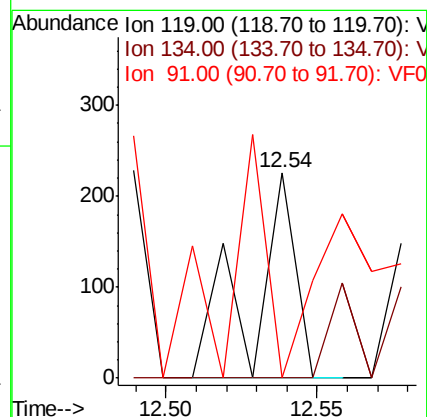
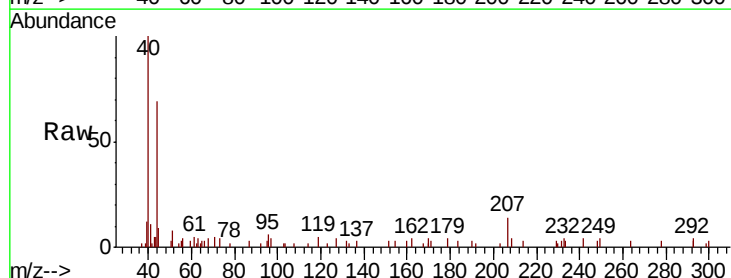
Tgt Ion:119 Resp: 222

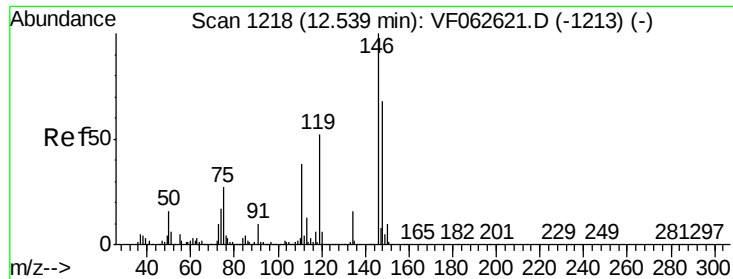
Ion Ratio Lower Upper

119 100

134 0.0 14.1 42.3#

91 0.0 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 25.125 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

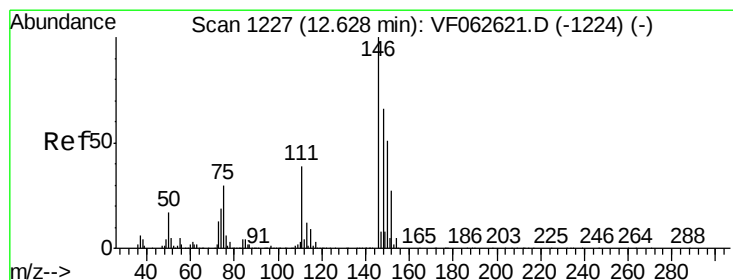
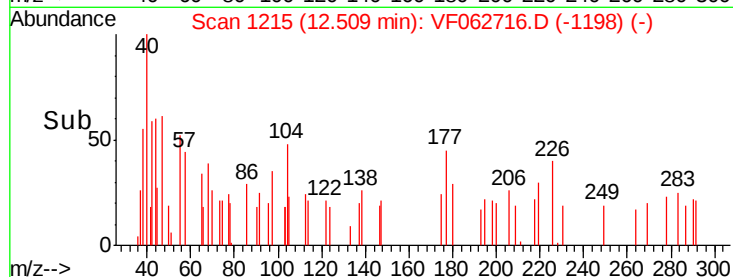
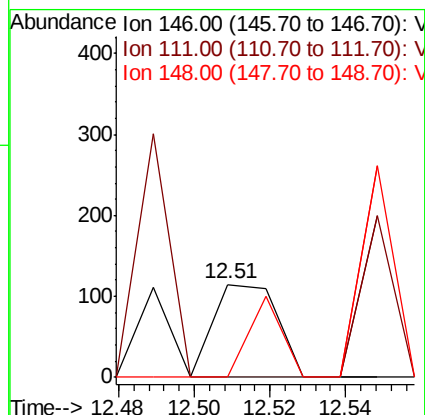
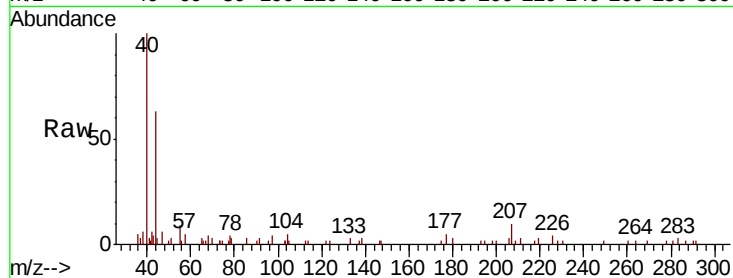
Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:146 Resp: 132

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 12.981 ug/l

RT: 12.60 min Scan# 1224

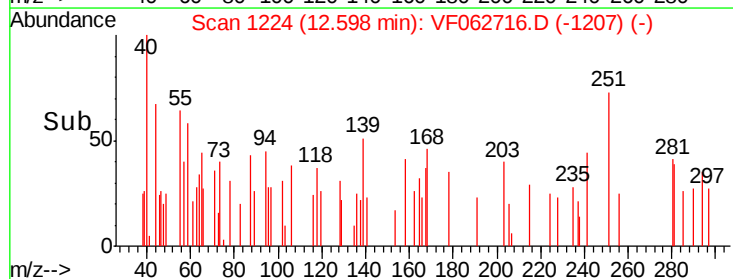
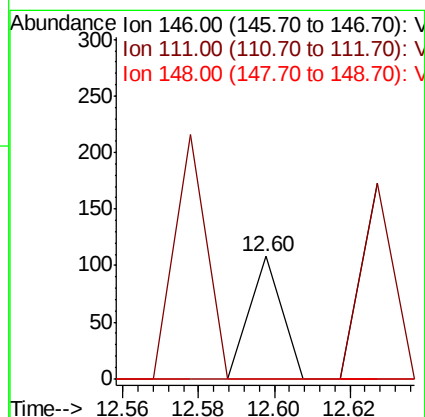
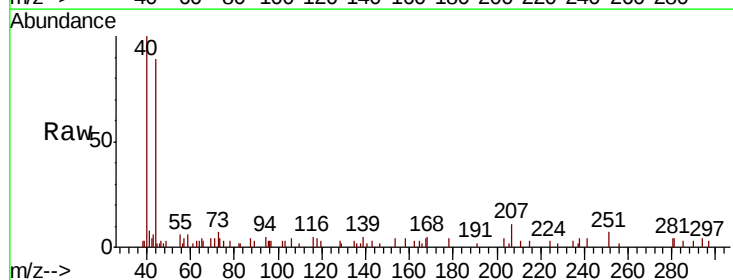
Delta R.T. -0.03 min

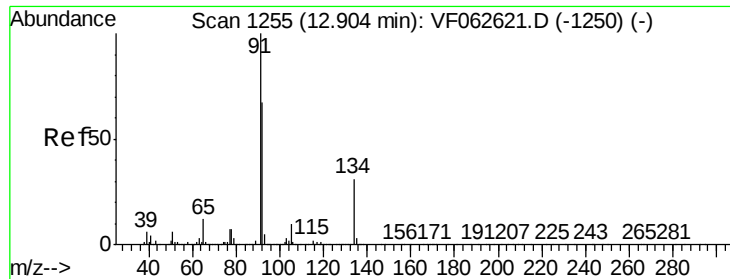
Lab File: VF062716.D

Acq: 22 May 2019 20:05

Tgt Ion:146 Resp: 64

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 18.966 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

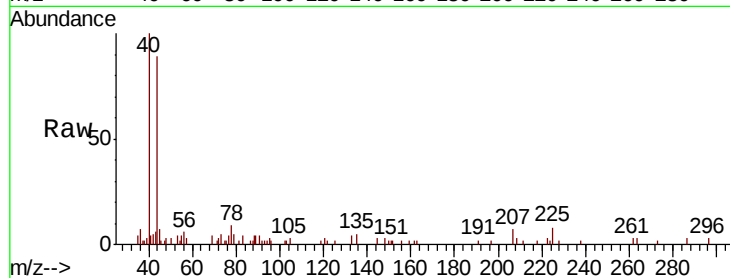
Tot Ion: 91 Resp: 201

Ion Ratio Lower Upper

91 100

92 44.5 33.3 99.8

134 0.0 15.4 46.4#



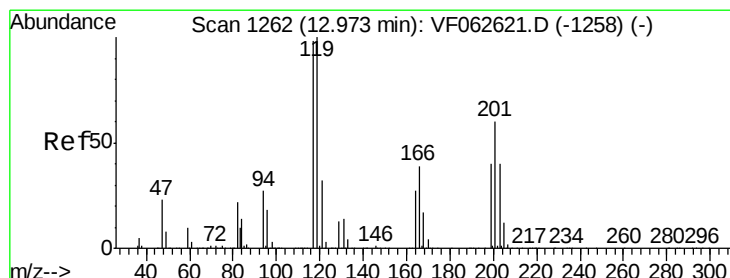
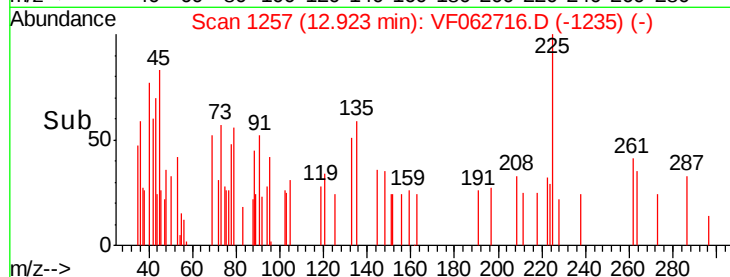
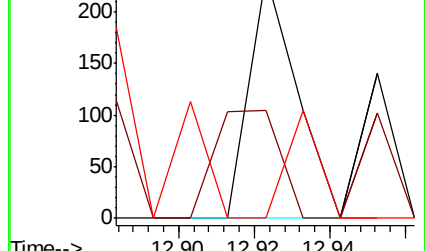
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.92

12.94



#90

Hexachloroethane

Concen: 55.459 ug/l

RT: 12.82 min Scan# 1247

Delta R.T. -0.15 min

Lab File: VF062716.D

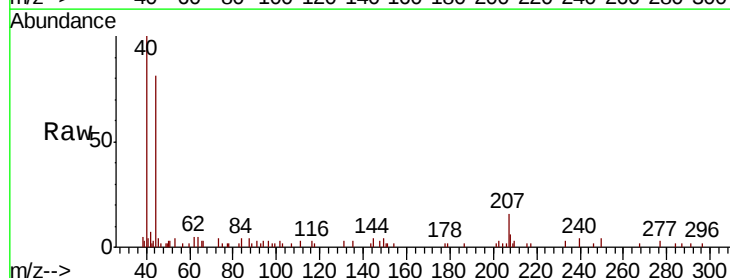
Acq: 22 May 2019 20:05

Tgt Ion: 117 Resp: 143

Ion Ratio Lower Upper

117 100

201 85.3 30.7 92.1

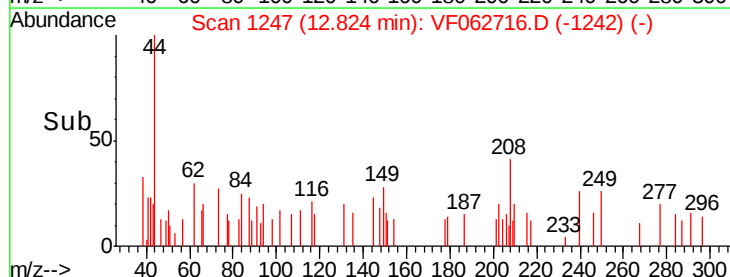
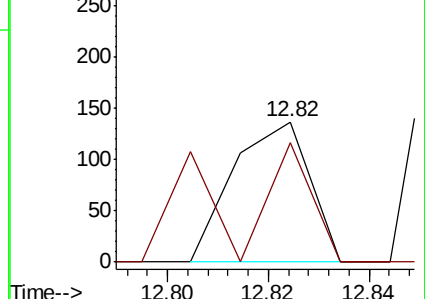


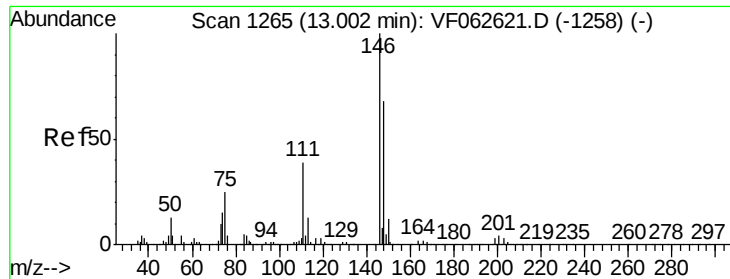
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.82

12.84





#91

1,2-Dichlorobenzene

Concen: 14.947 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. 0.05 min

Lab File: VF062716.D

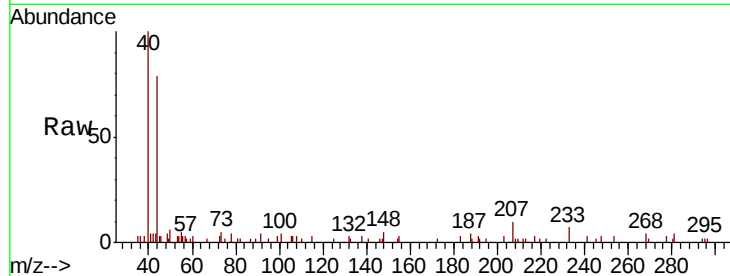
Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

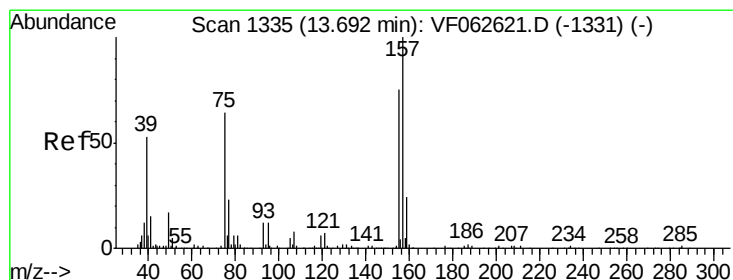
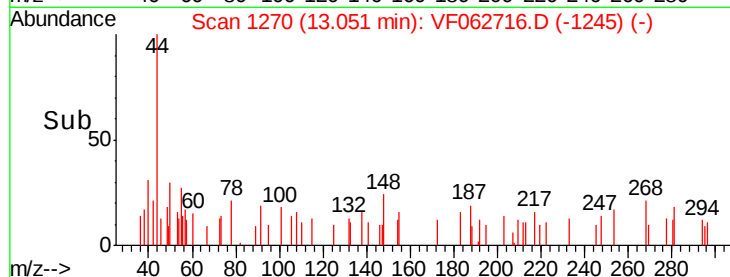
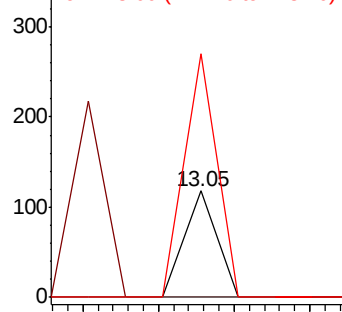
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.3#
148	228.8	34.1	102.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 663.585 ug/l

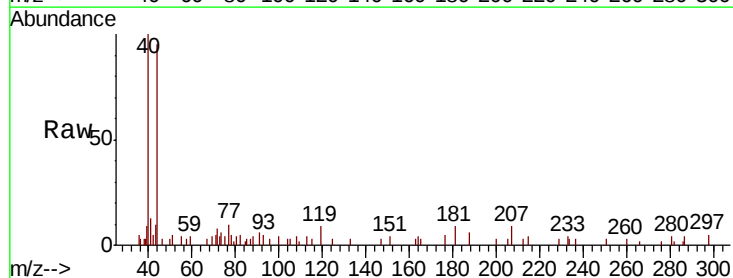
RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

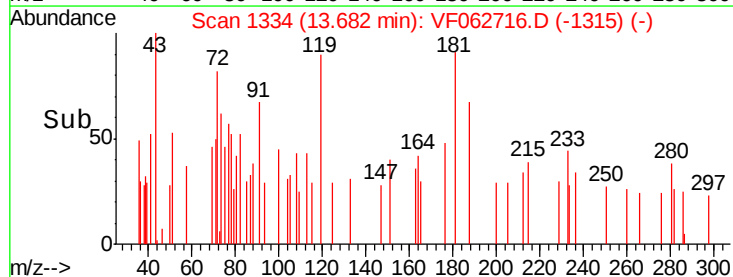
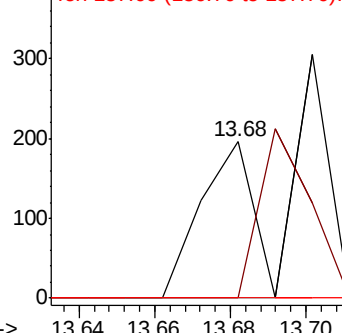
Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	0.0	77.8	233.4#

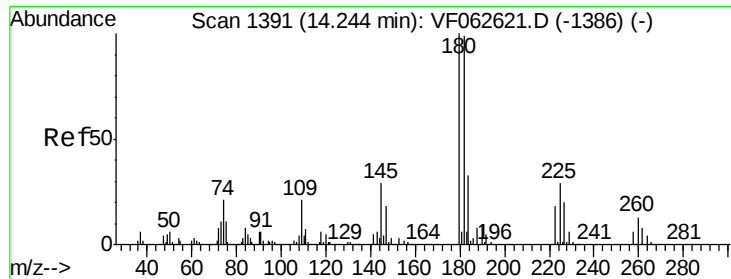


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

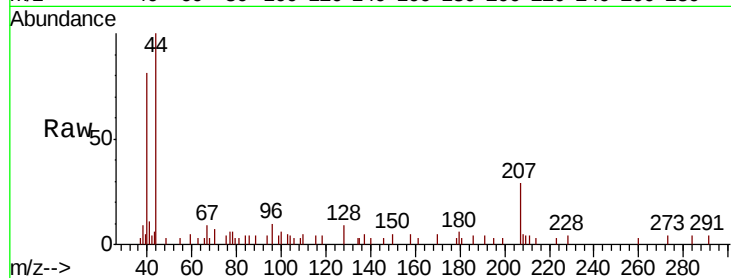




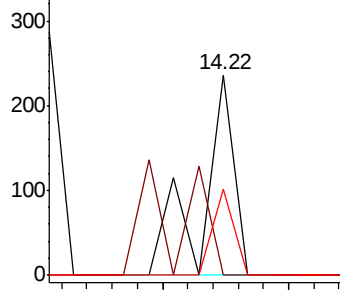
#93
 1,2,4-Trichlorobenzene
 Concen: 62.049 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

Instrument :
 MSVOA_F
 ClientSampled :

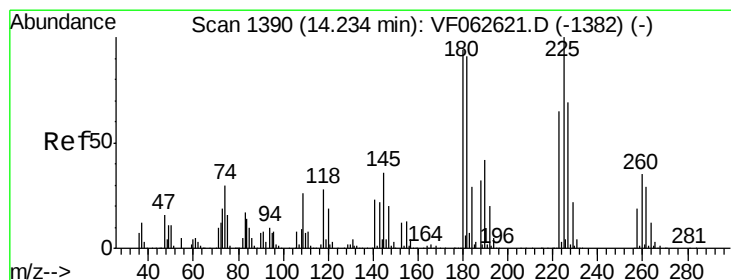
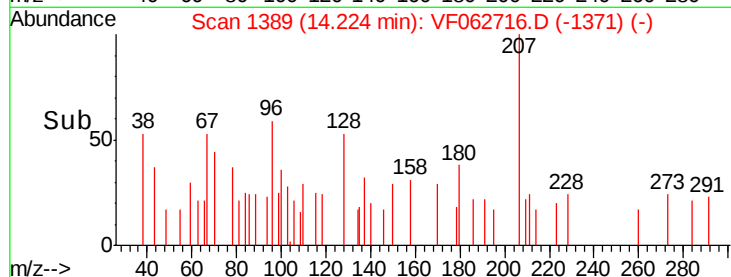
Tot Ion:180 Resp: 208
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 43.2 14.6 44.0



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

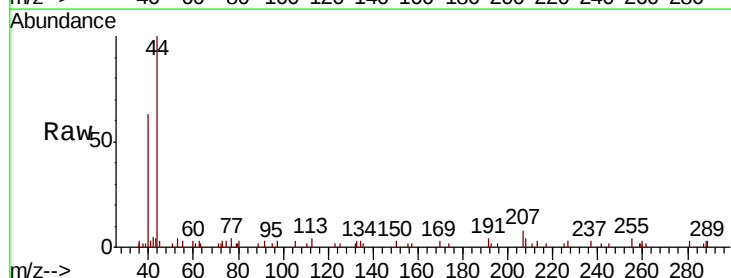


Time-->

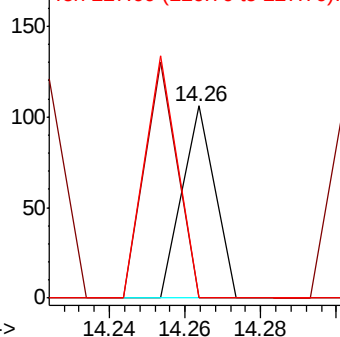


#94
 Hexachlorobutadiene
 Concen: 26.930 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.03 min
 Lab File: VF062716.D
 Acq: 22 May 2019 20:05

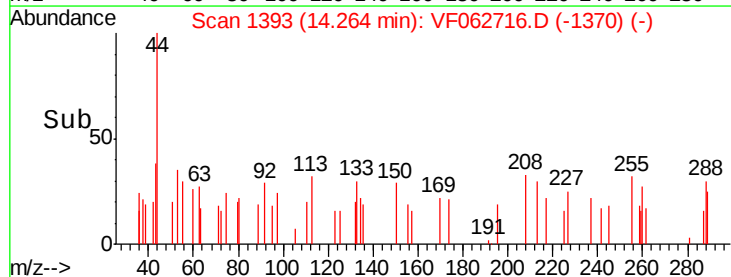
Tgt Ion:225 Resp: 63
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#

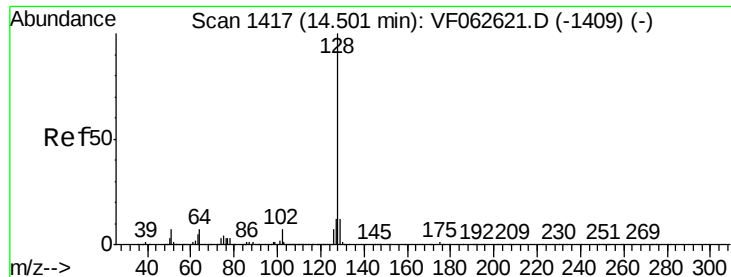


Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



Time-->





#95

Naphthalene

Concen: 12.972 ug/l

RT: 14.56 min Scan# 1423

Delta R.T. 0.06 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

Instrument :

MSVOA_F

ClientSampleId :

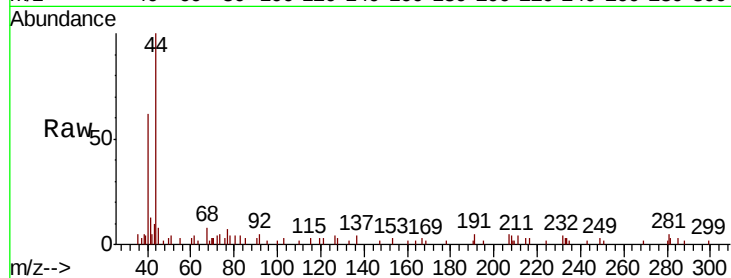
Tot Ion:128 Resp: 79

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

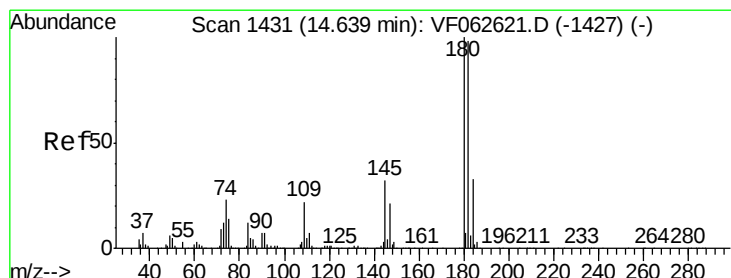
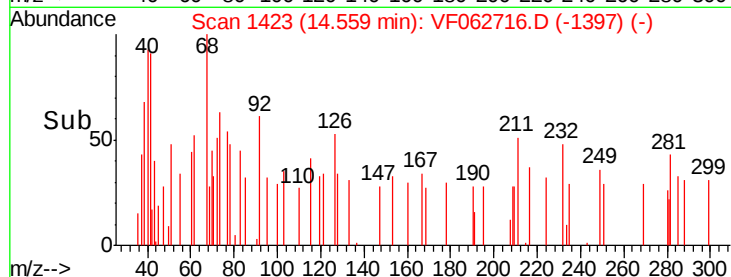
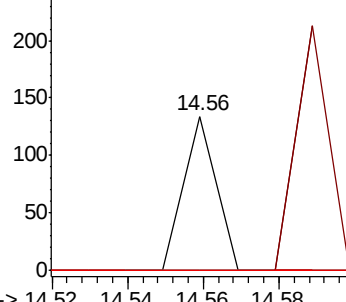
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.896 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.03 min

Lab File: VF062716.D

Acq: 22 May 2019 20:05

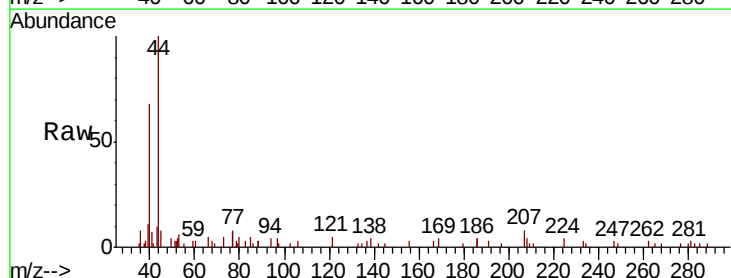
Tgt Ion:180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 115.7 16.1 48.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

