

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062616.D
 Acq On : 15 May 2019 18:41
 Operator : FY/SY
 Sample : K2823-04
 Misc : 6.06g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 16 03:31:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	80	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.93	114	341	50.00	ug/l	0.12
63) Chlorobenzene-d5	10.12	117	509	50.00	ug/l	0.18
72) 1,4-Dichlorobenzene-d4	12.62	152	80	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.09	65	1021	1689.38	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	3378.76%	
35) Dibromofluoromethane	4.45	113	208	81.95	ug/l	0.11
Spiked Amount				50.000		
			Recovery	=	163.90%	
50) Toluene-d8	7.90	98	319	53.34	ug/l	0.16
Spiked Amount				50.000		
			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	11.75	95	254	121.61	ug/l	0.23
Spiked Amount				50.000		
			Recovery	=	243.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	472	740.692	ug/l	86
3) Chloromethane	1.18	50	402	440.628	ug/l #	17
4) Vinyl Chloride	1.18	62	539	593.607	ug/l #	42
5) Bromomethane	1.42	94	359	Below Cal		95
6) Chloroethane	1.44	64	151	437.904	ug/l #	1
7) Trichlorofluoromethane	1.69	101	166	133.428	ug/l	98
8) Diethyl Ether	1.76	74	189	677.701	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	1.92	101	347	408.898	ug/l #	1
10) Methyl Iodide	1.98	142	173	114.463	ug/l #	1
11) Tert butyl alcohol	2.72	59	256	7035.484	ug/l #	9
12) 1,1-Dichloroethene	1.89	96	833	1145.878	ug/l #	3
13) Acrolein	2.10	56	688	28530.142	ug/l	92
14) Allyl chloride	2.20	41	1084	1457.293	ug/l #	74
15) Acrylonitrile	3.12	53	586	4502.065	ug/l #	67
16) Acetone	2.26	43	863	7037.183	ug/l	89
17) Carbon Disulfide	1.93	76	86	58.024	ug/l #	1
18) Methyl Acetate	2.51	43	435	1913.712	ug/l	90
19) Methyl tert-butyl Ether	2.49	73	640	494.462	ug/l	93
20) Methylene Chloride	2.27	84	487	Below Cal	#	8
21) trans-1,2-Dichloroethene	2.45	96	296	404.031	ug/l #	26
22) Diisopropyl ether	2.96	45	840	485.684	ug/l #	69
23) Vinyl Acetate	3.39	43	1235	1305.510	ug/l #	15
24) 1,1-Dichloroethane	2.99	63	494	375.212	ug/l #	86
25) 2-Butanone	4.47	43	1645	5933.331	ug/l	99
26) 2,2-Dichloropropane	3.80	77	426	599.531	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	719	694.641	ug/l	20
28) Bromochloromethane	3.93	49	270	364.831	ug/l #	76
29) Tetrahydrofuran	4.52	42	762	6494.873	ug/l	96
30) Chloroform	4.07	83	228	144.320	ug/l	100
31) Cyclohexane	3.91	56	209	152.310	ug/l #	19
32) 1,1,1-Trichloroethane	4.28	97	147	138.044	ug/l #	64
36) 1,1-Dichloropropene	4.60	75	724	245.368	ug/l #	55
37) Ethyl Acetate	4.47	43	1645	1356.655	ug/l #	39
38) Carbon Tetrachloride	4.31	117	138	57.013	ug/l #	19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	328	94.942	ug/l	98
40) Benzene	4.95	78	615	73.263	ug/l #	56
41) Methacrylonitrile	5.09	41	561	817.020	ug/l #	42
42) 1,2-Dichloroethane	5.27	62	271	152.134	ug/l	71
43) Isopropyl Acetate	7.25	43	1845	1285.854	ug/l #	40
44) Trichloroethene	5.86	130	62	27.349	ug/l	45
45) 1,2-Dichloropropane	6.60	63	146	69.098	ug/l #	42
46) Dibromomethane	6.43	93	298	252.260	ug/l #	5
47) Bromodichloromethane	6.72	83	896	352.820	ug/l #	15
48) Methyl methacrylate	7.01	41	2511	3197.134	ug/l #	58
49) 1,4-Dioxane	7.02	88	72	6956.745	ug/l #	1
51) 4-Methyl-2-Pentanone	8.56	43	479	455.603	ug/l	97
52) Toluene	7.96	92	98	23.257	ug/l #	30
53) t-1,3-Dichloropropene	8.59	75	254	126.603	ug/l #	1
54) cis-1,3-Dichloropropene	7.67	75	95	33.508	ug/l #	1
55) 1,1,2-Trichloroethane	8.81	97	468	370.934	ug/l #	1
56) Ethyl methacrylate	8.99	69	571	412.927	ug/l #	1
57) 1,3-Dichloropropane	9.19	76	176	84.518	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.65	63	302	697.997	ug/l #	53
59) 2-Hexanone	9.95	43	905	1303.355	ug/l	79
60) Dibromochloromethane	8.97	129	71	44.292	ug/l	79
61) 1,2-Dibromoethane	9.35	107	64	50.577	ug/l #	3
64) Tetrachloroethene	8.33	164	290	86.221	ug/l #	1
65) Chlorobenzene	9.97	112	174	19.663	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.07	131	153	42.095	ug/l #	25
67) Ethyl Benzene	10.05	91	309	19.654	ug/l #	44
68) m/p-Xylenes	10.30	106	91	16.330	ug/l #	1
69) o-Xylene	10.92	106	195	33.358	ug/l	44
70) Styrene	10.92	104	442	49.761	ug/l #	1
71) Bromoform	10.90	173	67	39.150	ug/l #	29
73) Isopropylbenzene	11.21	105	278	51.683	ug/l #	48
74) N-amyl acetate	11.02	43	913	699.041	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	118	107.082	ug/l #	25
76) 1,2,3-Trichloropropane	11.82	75	368	520.914	ug/l	92
77) Bromobenzene	11.60	156	135	111.061	ug/l #	28
78) n-propylbenzene	11.71	91	86	13.442	ug/l #	52
79) 2-Chlorotoluene	11.77	91	443	125.463	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.93	105	130	30.875	ug/l #	54
81) trans-1,4-Dichloro-2-buten	11.94	75	192	637.641	ug/l #	1
82) 4-Chlorotoluene	12.00	91	455	131.789	ug/l #	40
83) tert-Butylbenzene	12.19	119	157	35.647	ug/l #	34
84) 1,2,4-Trimethylbenzene	12.28	105	67	16.199	ug/l #	27
85) sec-Butylbenzene	12.39	105	306	51.174	ug/l #	59
86) p-Isopropyltoluene	12.58	119	310	62.980	ug/l #	1
87) 1,3-Dichlorobenzene	12.49	146	60	25.237	ug/l #	23
88) 1,4-Dichlorobenzene	12.67	146	188	84.296	ug/l #	23
89) n-Butylbenzene	12.93	91	139	27.742	ug/l #	28
90) Hexachloroethane	13.00	117	443	351.355	ug/l #	21
91) 1,2-Dichlorobenzene	13.02	146	92	43.619	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	13.70	75	516	3812.100	ug/l #	1

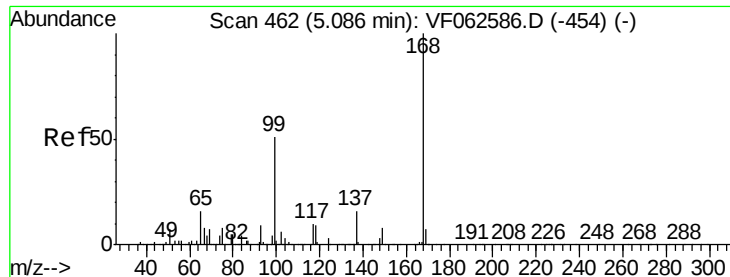
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Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	98	66.817	ug/l #	3
94) Hexachlorobutadiene	14.20	225	67	62.885	ug/l #	19
95) Naphthalene	14.47	128	264	110.587	ug/l #	32
96) 1,2,3-Trichlorobenzene	14.63	180	214	157.278	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

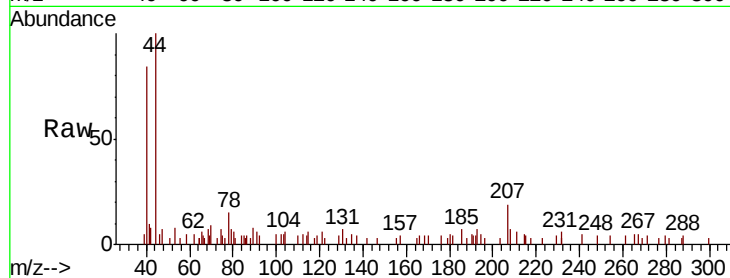
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 80

Ion Ratio Lower Upper

168 100

99 0.0 41.0 61.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

150

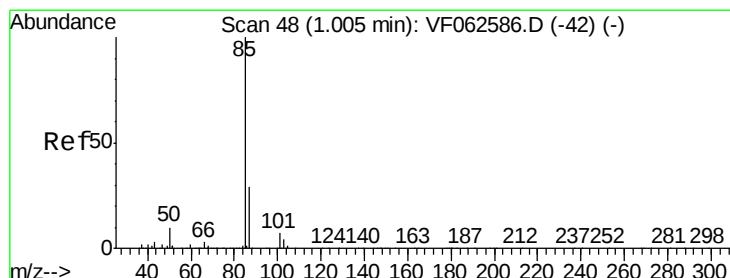
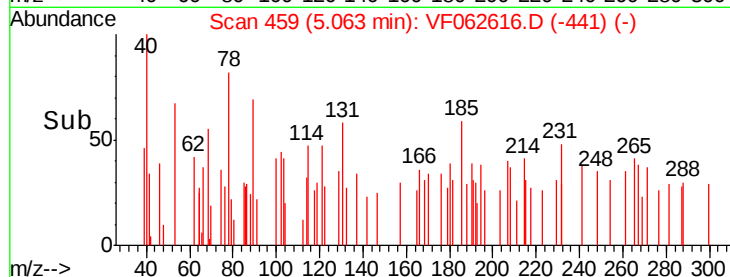
100

50

0

5.04 5.06 5.08

Time-->



#2

Dichlorodifluoromethane

Concen: 740.692 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.02 min

Lab File: VF062616.D

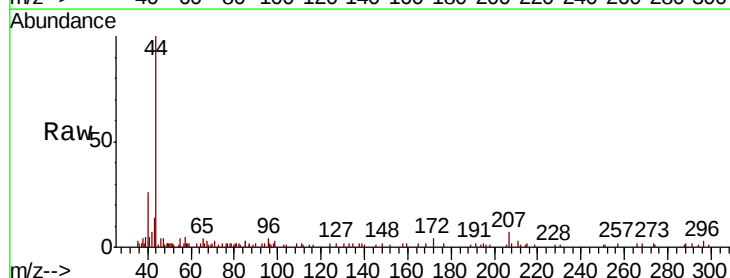
Acq: 15 May 2019 18:41

Tgt Ion: 85 Resp: 472

Ion Ratio Lower Upper

85 100

87 21.5 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

600

500

400

300

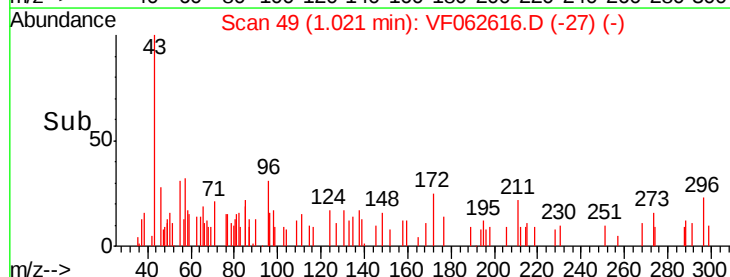
200

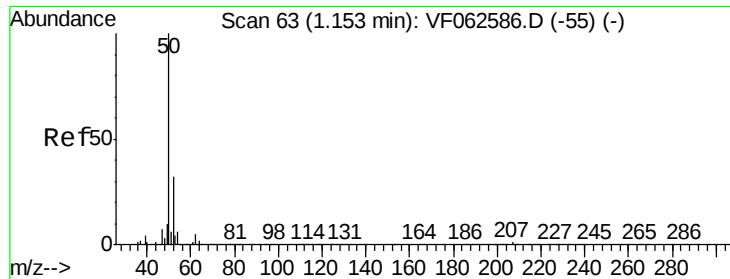
100

0

1.00 1.02 1.04

Time-->





#3

Chloromethane

Concen: 440.628 ug/l

RT: 1.18 min Scan# 65

Delta R.T. 0.03 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

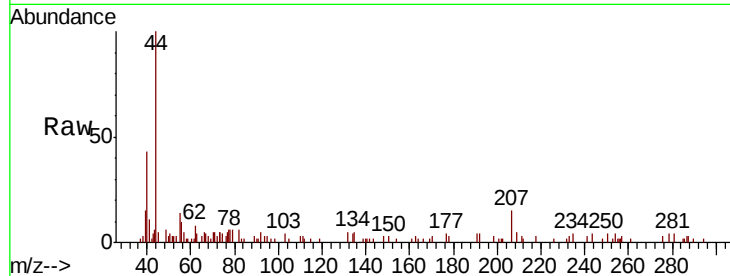
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 402

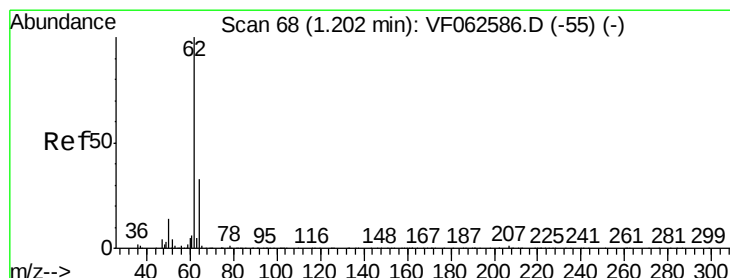
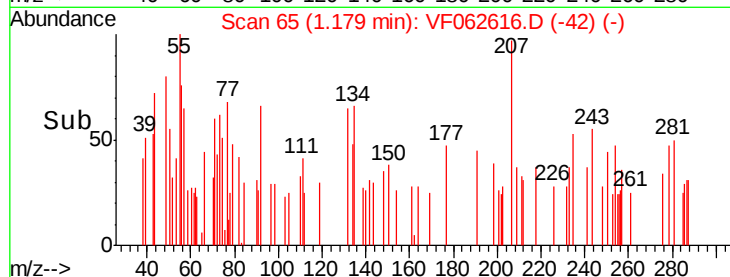
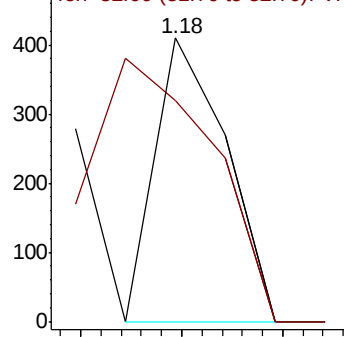
Ion Ratio Lower Upper

50 100

52 77.8 25.3 37.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 593.607 ug/l

RT: 1.18 min Scan# 65

Delta R.T. -0.02 min

Lab File: VF062616.D

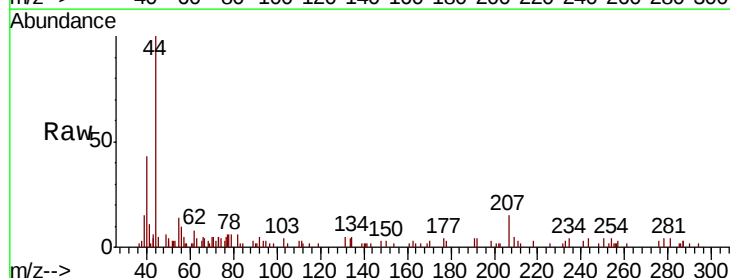
Acq: 15 May 2019 18:41

Tgt Ion: 62 Resp: 539

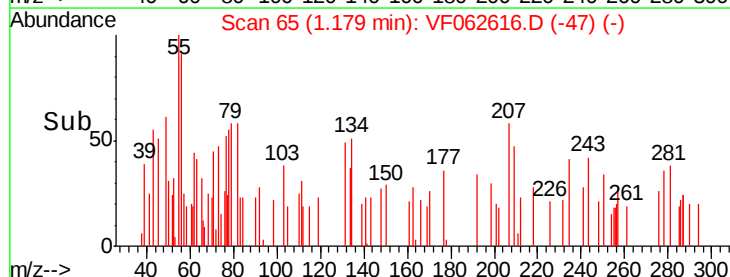
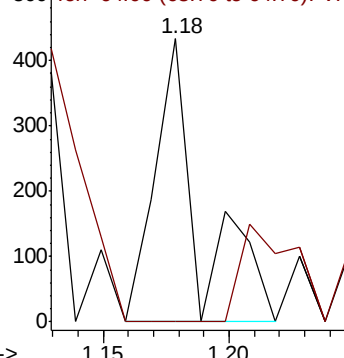
Ion Ratio Lower Upper

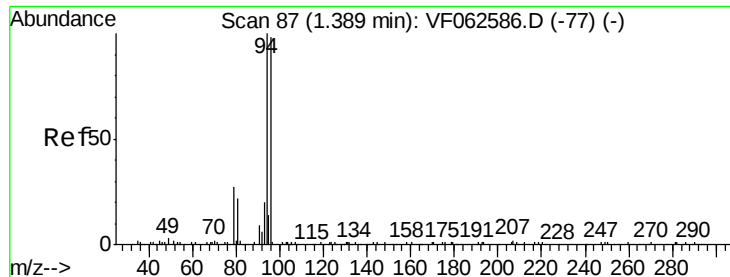
62 100

64 0.0 26.5 39.7#



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 89

Delta R.T. 0.03 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

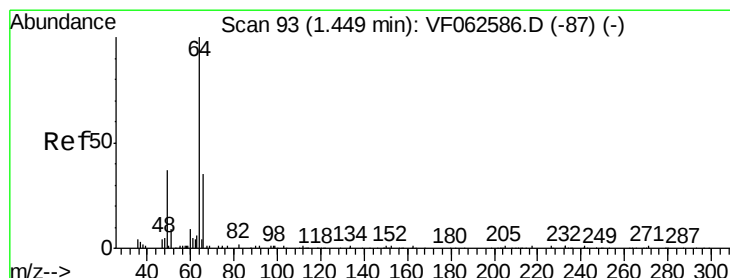
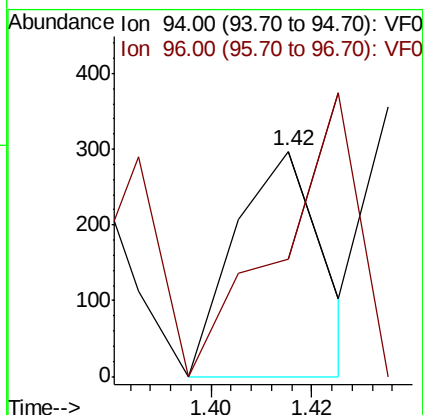
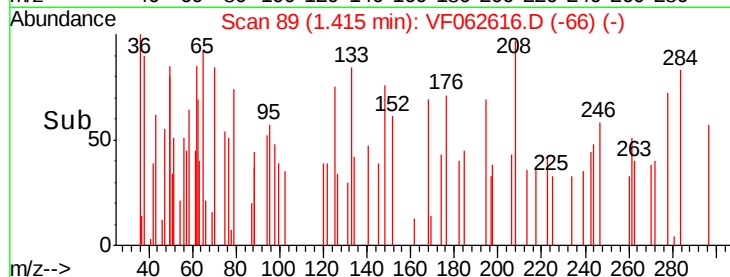
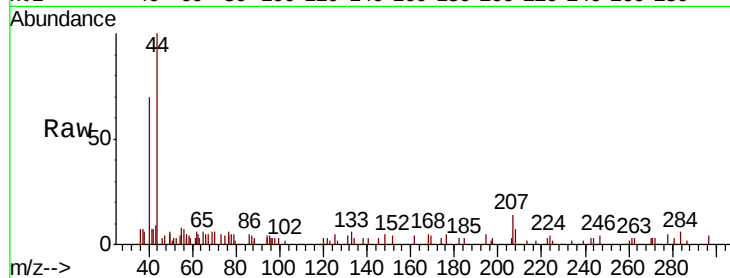
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 104.0 79.3 118.9



#6

Chloroethane

Concen: 437.904 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062616.D

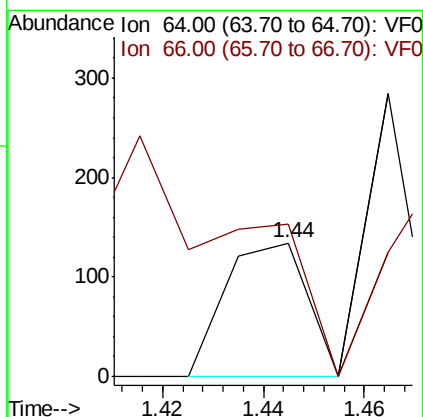
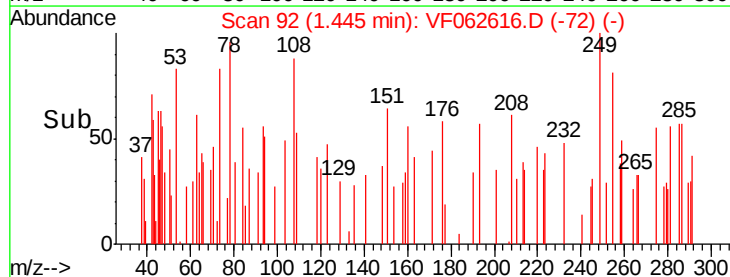
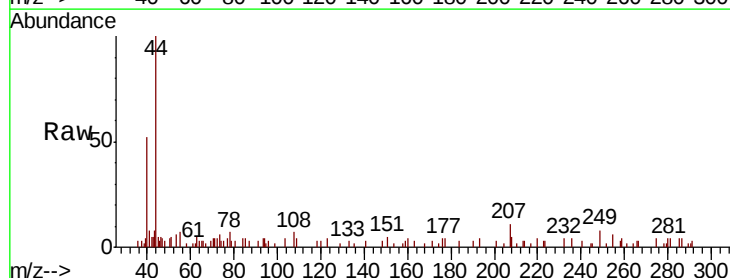
Acq: 15 May 2019 18:41

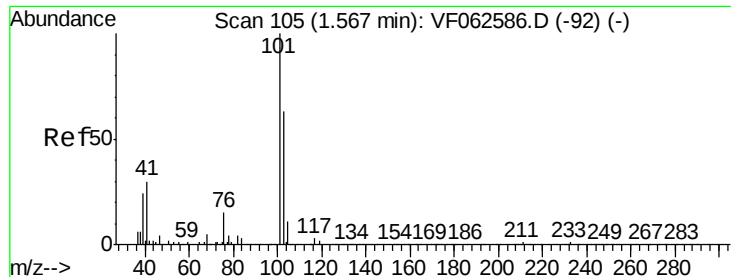
Tgt Ion: 64 Resp: 151

Ion Ratio Lower Upper

64 100

66 114.2 28.9 43.3#



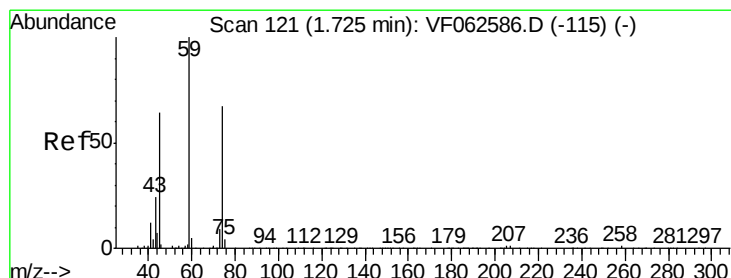
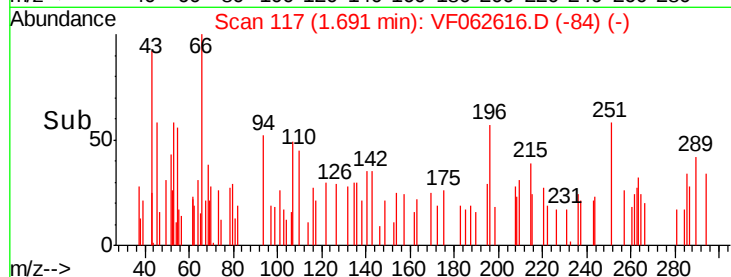
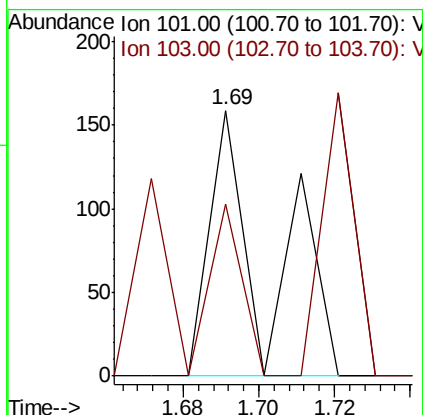
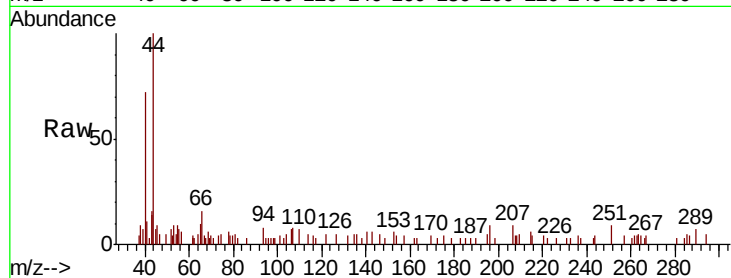


#7

Trichlorofluoromethane
Concen: 133.428 ug/l
RT: 1.69 min Scan# 117
Delta R.T. 0.12 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampleId :

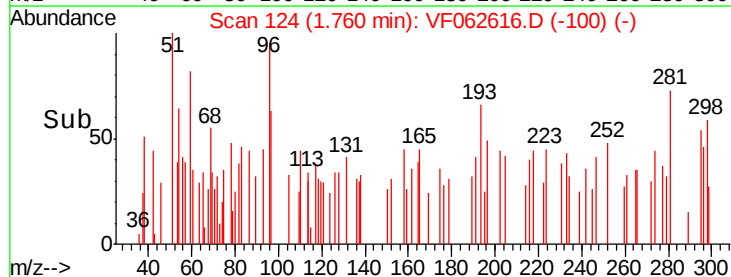
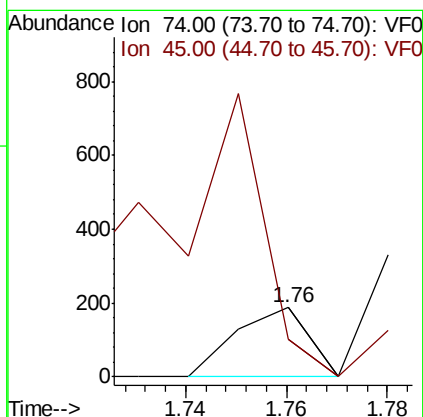
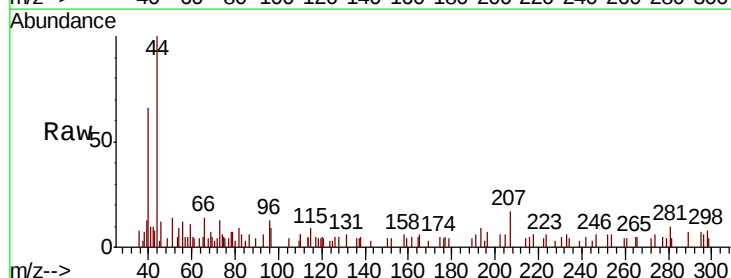
Tot Ion:101 Resp: 166
Ion Ratio Lower Upper
101 100
103 64.8 50.8 76.2

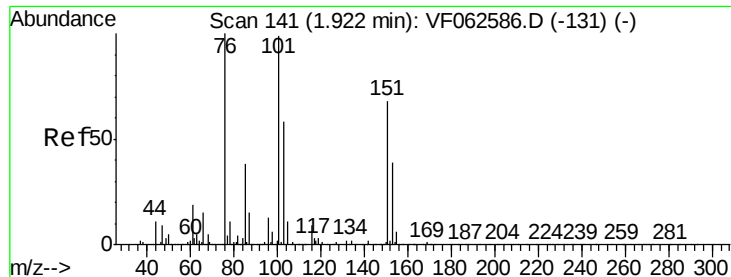


#8

Diethyl Ether
Concen: 677.701 ug/l
RT: 1.76 min Scan# 124
Delta R.T. 0.04 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 74 Resp: 189
Ion Ratio Lower Upper
74 100
45 53.7 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 408.898 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampled :

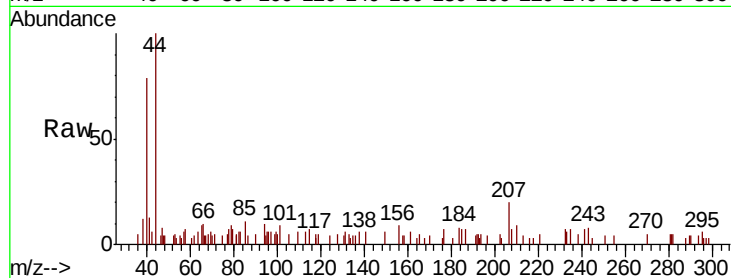
Tot Ion:101 Resp: 347

Ion Ratio Lower Upper

101 100

85 126.9 30.2 45.4#

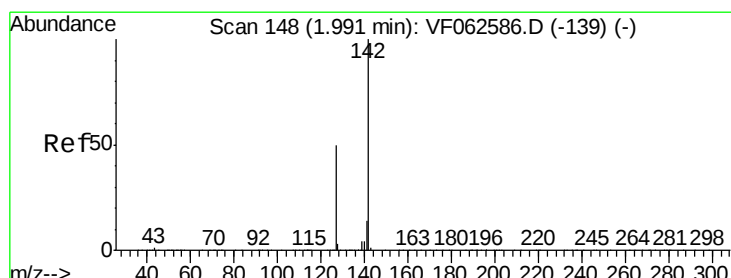
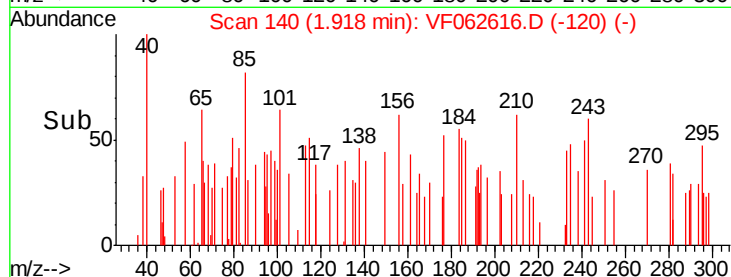
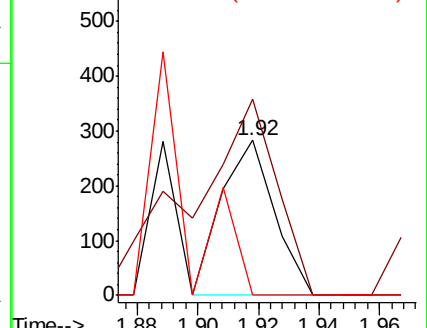
151 0.0 54.5 81.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 114.463 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

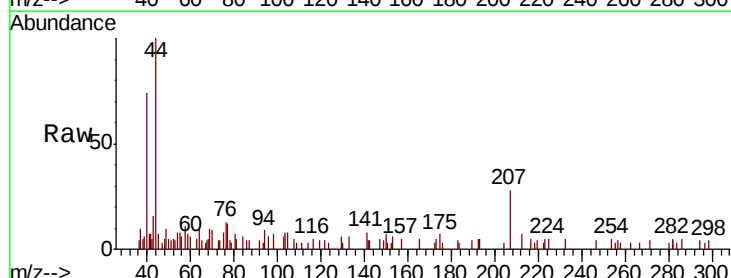
Tgt Ion:142 Resp: 173

Ion Ratio Lower Upper

142 100

127 0.0 40.2 60.4#

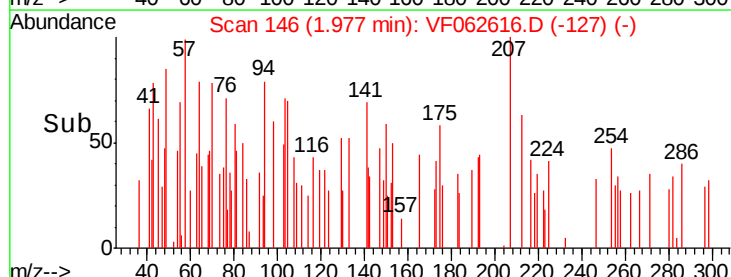
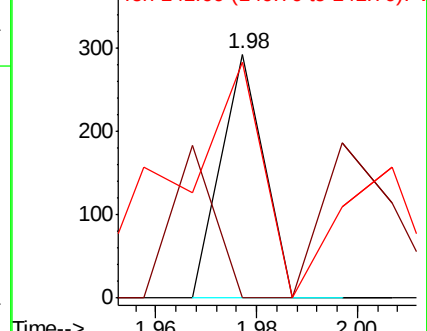
141 96.6 11.6 17.4#

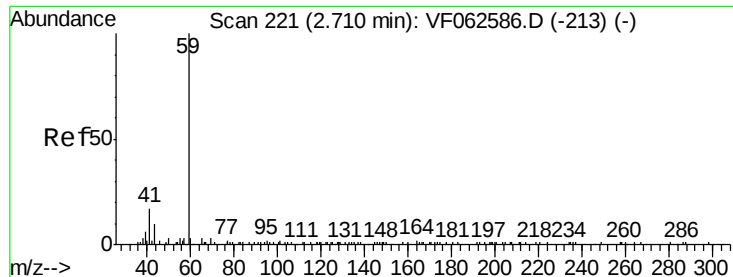


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

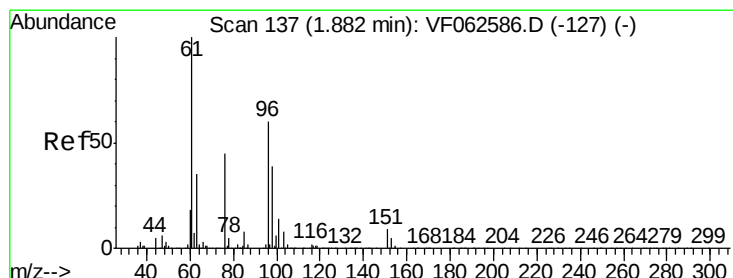
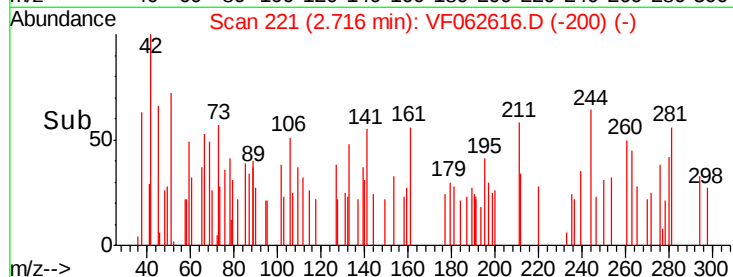
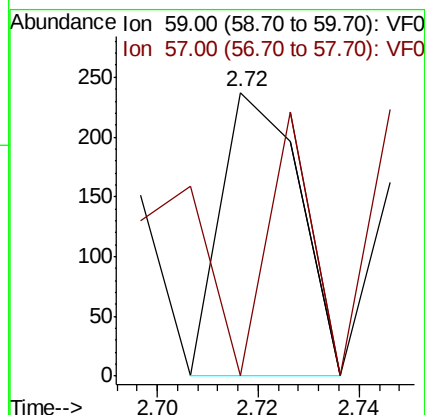
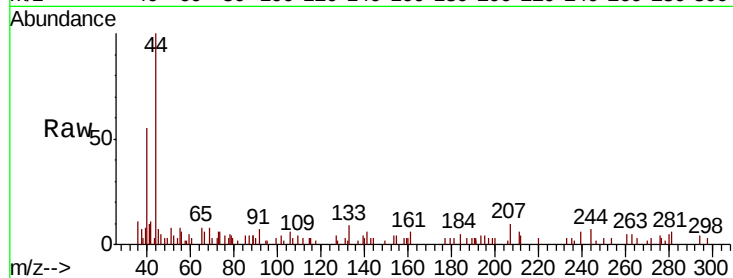




#11
Tert butyl alcohol
Concen: 7035.484 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

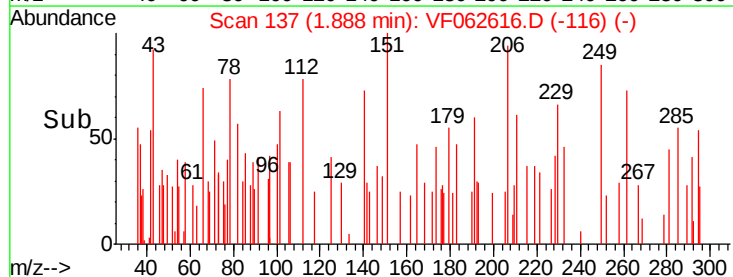
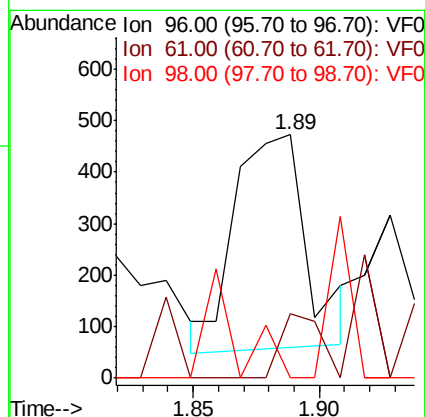
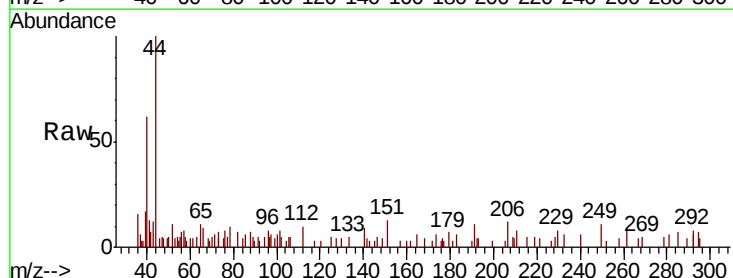
Instrument :
MSVOA_F
ClientSampled :

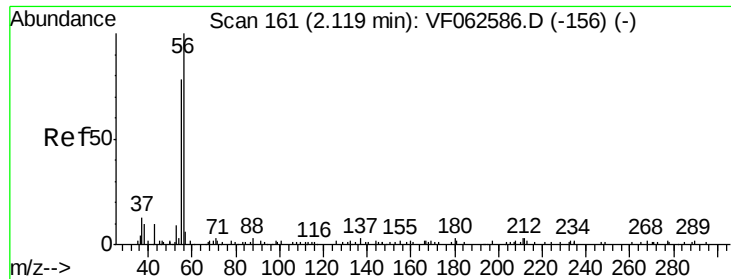
Tot Ion: 59 Resp: 256
Ion Ratio Lower Upper
59 100
57 43.9 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 1145.878 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 96 Resp: 833
Ion Ratio Lower Upper
96 100
61 26.6 132.0 198.0#
98 0.0 51.3 76.9#





#13

Acrolein

Concen: 28530.142 ug/l

RT: 2.10 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

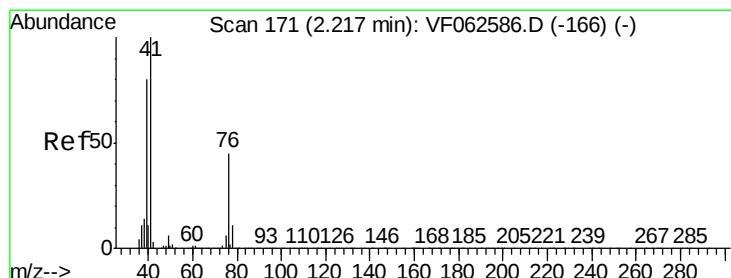
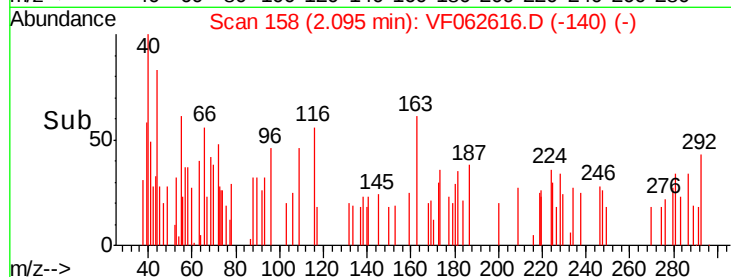
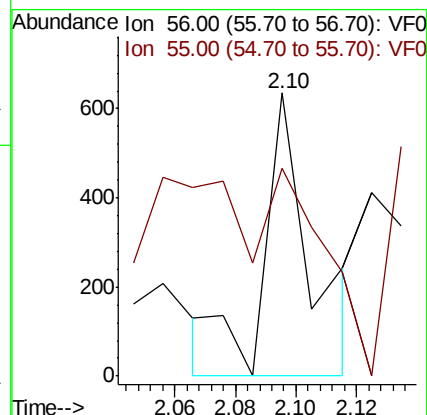
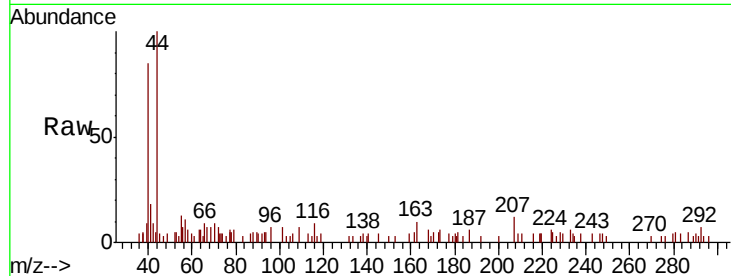
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 688

Ion Ratio Lower Upper

56 100

55 73.2 64.6 96.8



#14

Allyl chloride

Concen: 1457.293 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

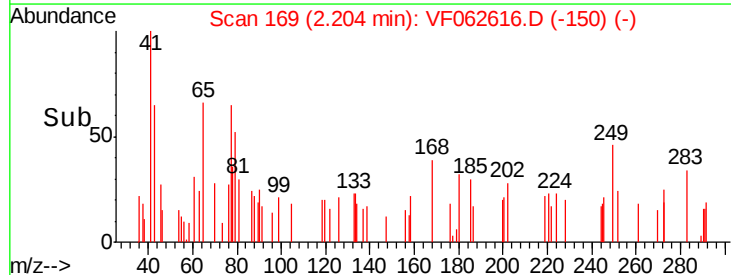
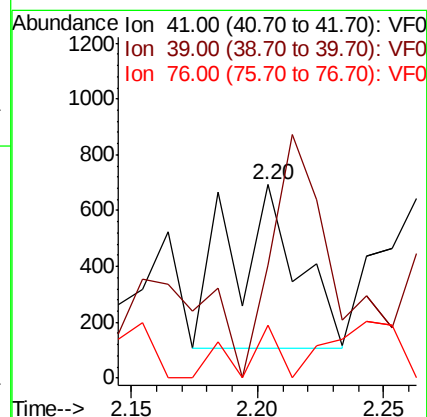
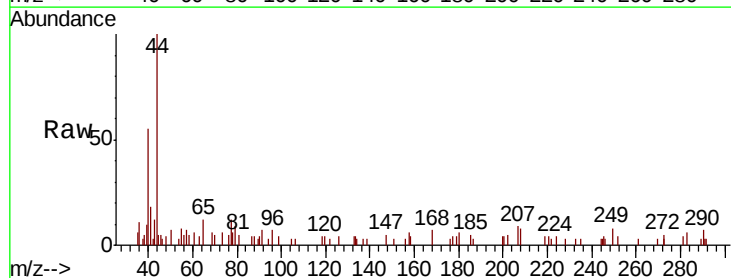
Tgt Ion: 41 Resp: 1084

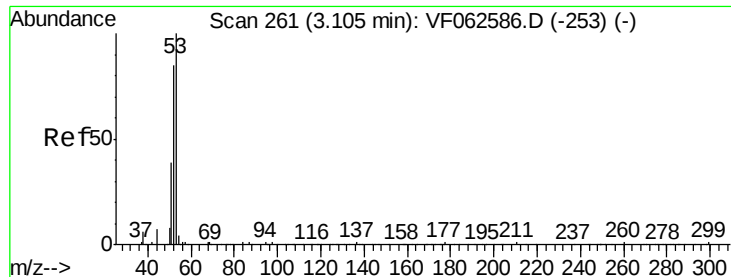
Ion Ratio Lower Upper

41 100

39 58.2 64.6 96.8#

76 27.5 36.1 54.1#





#15

Acrylonitrile

Concen: 4502.065 ug/l

RT: 3.12 min Scan# 262

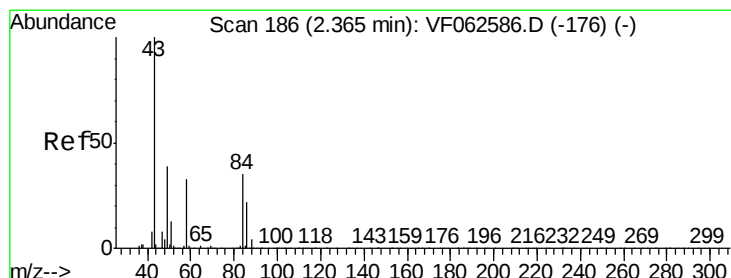
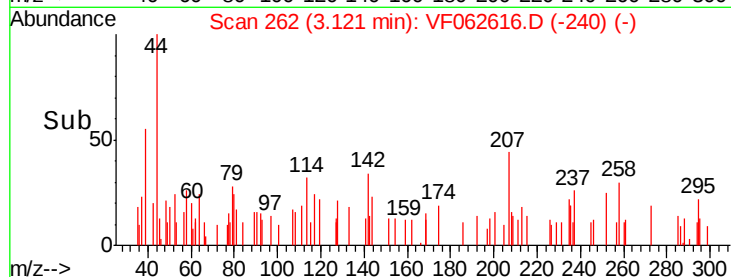
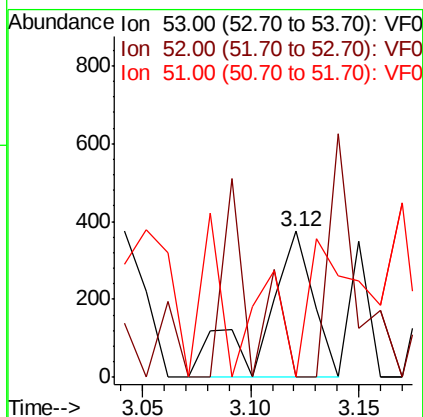
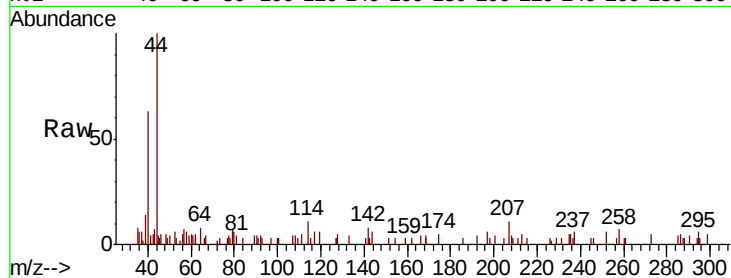
Delta R.T. 0.02 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	586
Ion	Ratio	Lower	Upper
53	100		
52	69.0	68.3	102.5
51	0.0	31.5	47.3#



#16

Acetone

Concen: 7037.183 ug/l

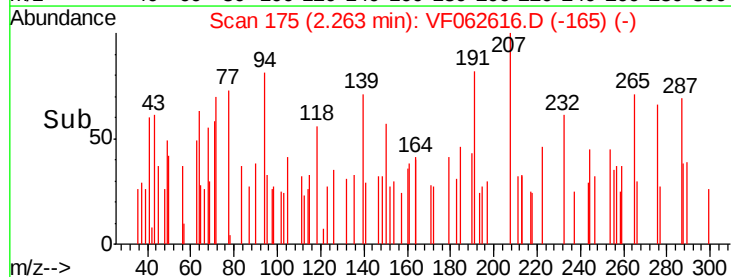
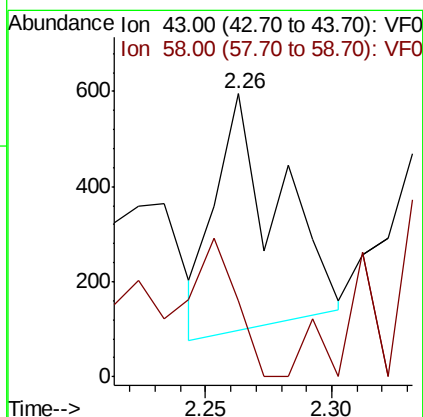
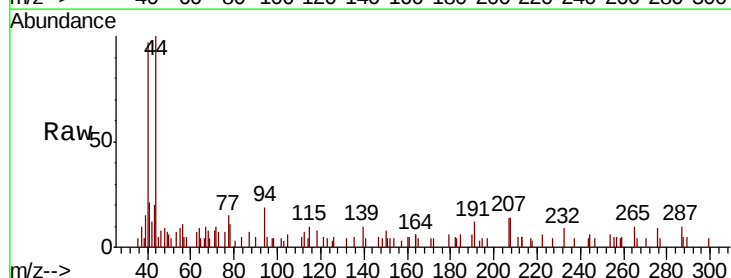
RT: 2.26 min Scan# 175

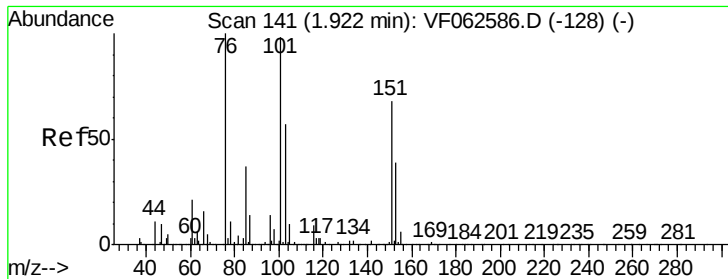
Delta R.T. -0.10 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	43	Resp:	863
Ion	Ratio	Lower	Upper
43	100		
58	26.9	26.7	40.1

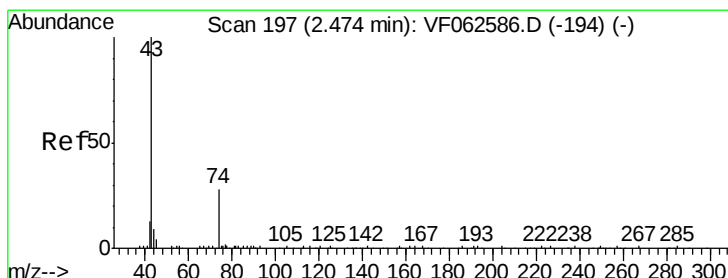
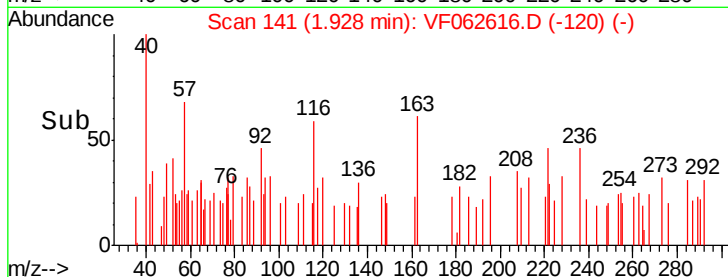
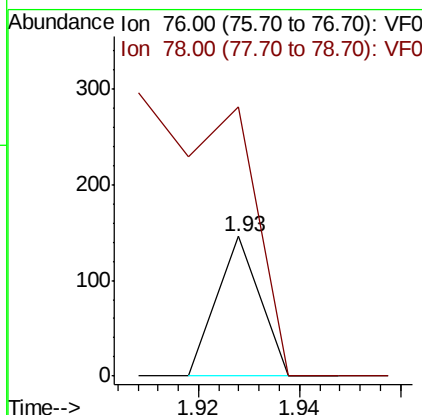
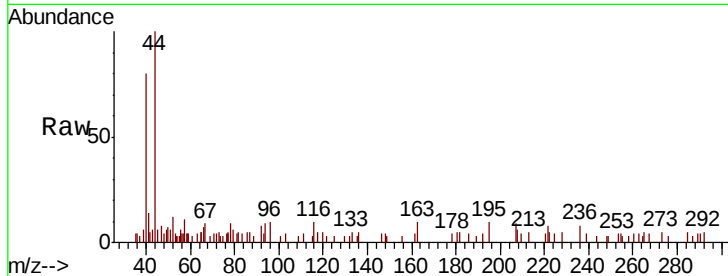




#17
Carbon Disulfide
Concen: 58.024 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

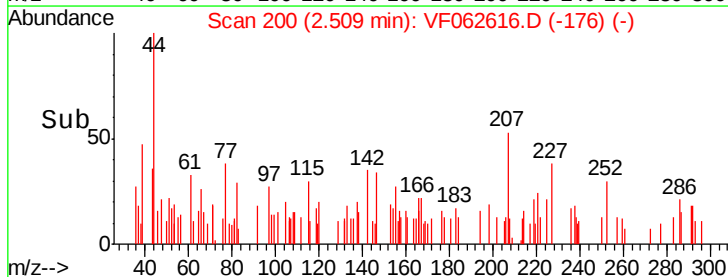
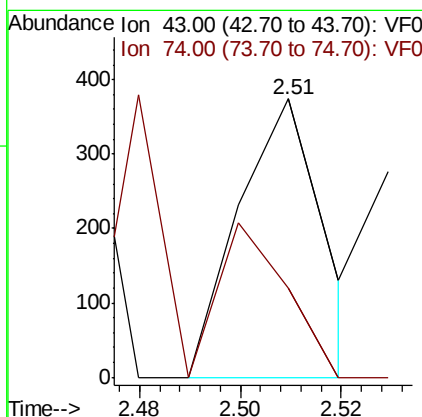
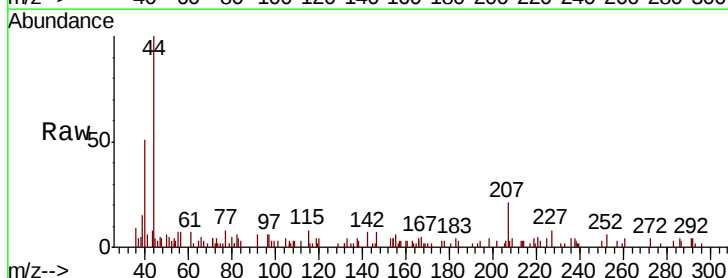
Instrument :
MSVOA_F
ClientSampled :

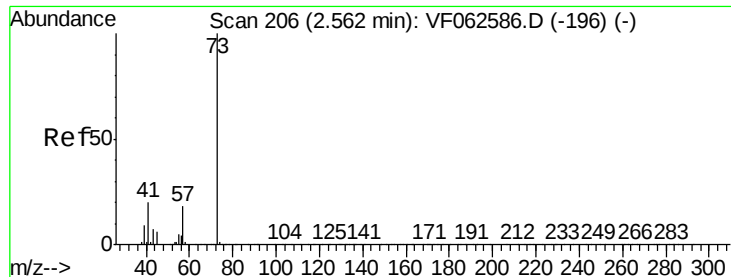
Tot Ion: 76 Resp: 86
Ion Ratio Lower Upper
76 100
78 193.2 9.0 13.4#



#18
Methyl Acetate
Concen: 1913.712 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
74 31.8 21.4 32.0

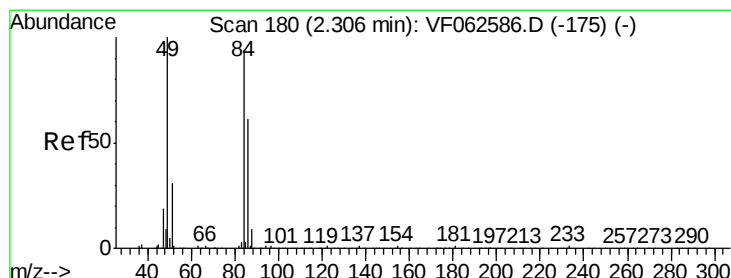
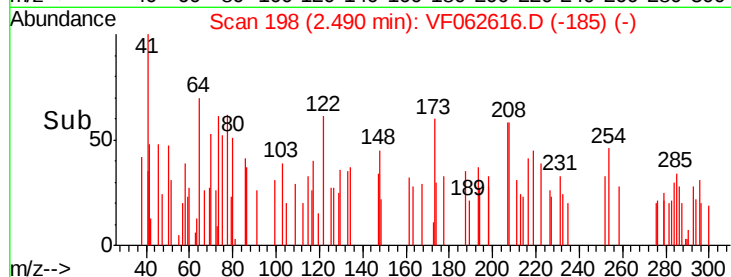
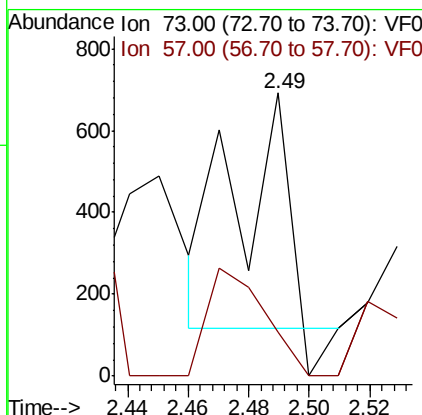
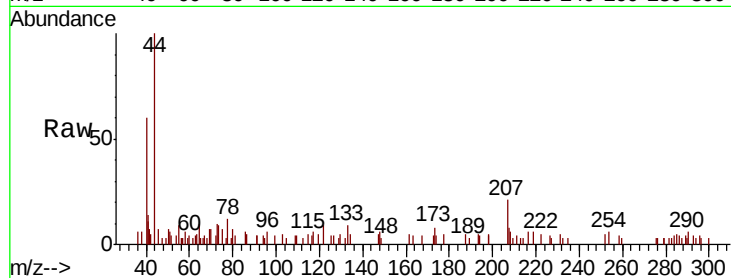




#19
Methvl tert-butvl Ether
Concen: 494.462 ug/l
RT: 2.49 min Scan# 198
Delta R.T. -0.07 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

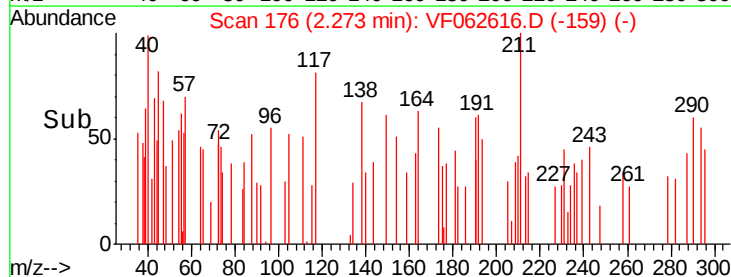
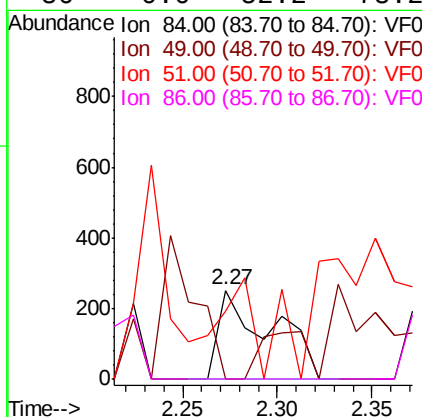
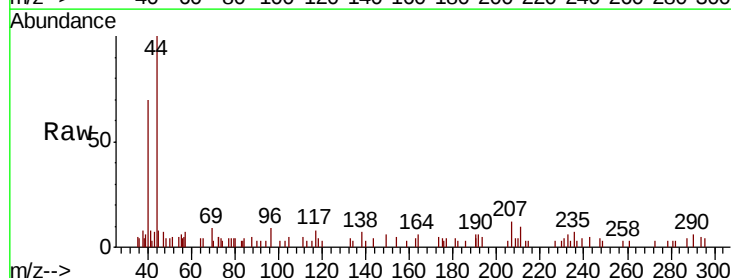
Instrument :
MSVOA_F
ClientSampled :

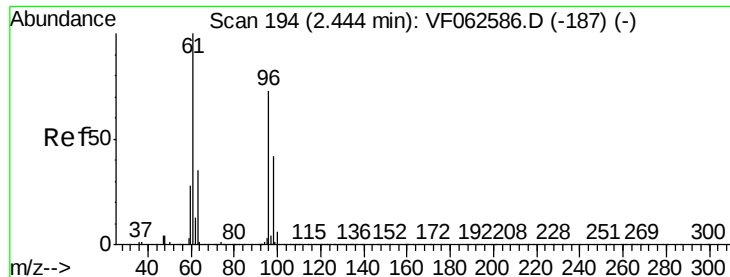
Tot Ion: 73 Resp: 640
Ion Ratio Lower Upper
73 100
57 15.3 14.6 22.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.03 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 84 Resp: 487
Ion Ratio Lower Upper
84 100
49 0.0 86.9 130.3#
51 75.8 27.0 40.6#
86 0.0 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 404.031 ug/l

RT: 2.45 min Scan# 194

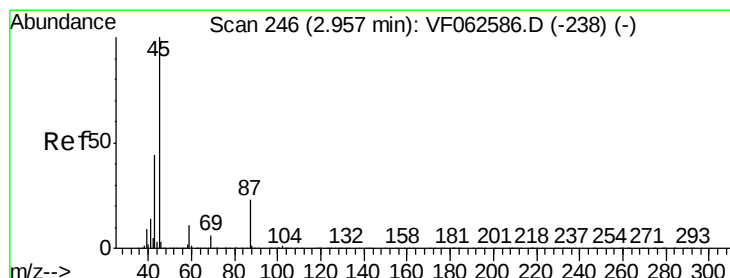
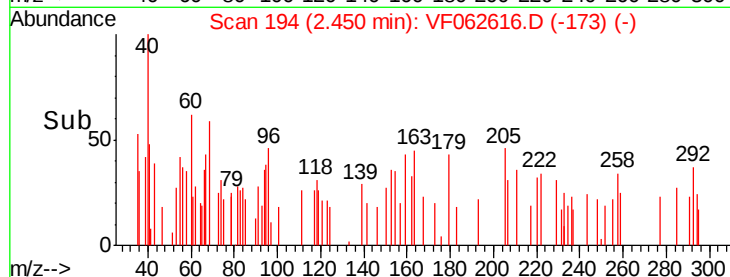
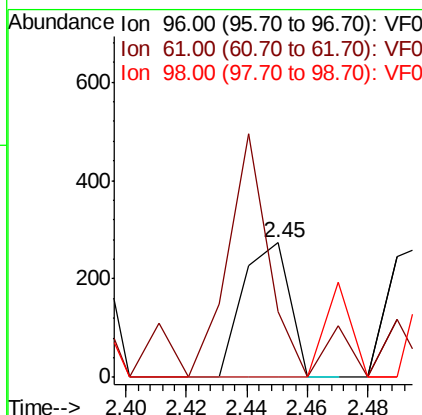
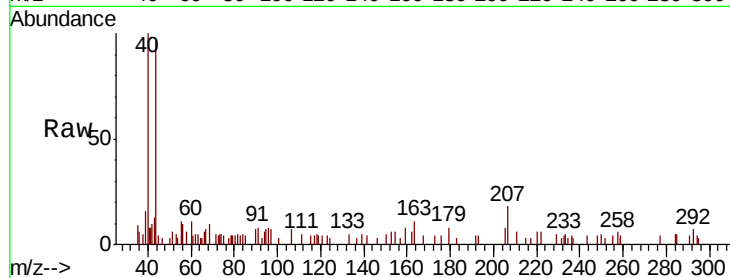
Delta R.T. 0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	296
Ion	Ratio	Lower	Upper
96	100		
61	49.1	109.2	163.8#
98	0.0	46.3	69.5#



#22

Diisopropyl ether

Concen: 485.684 ug/l

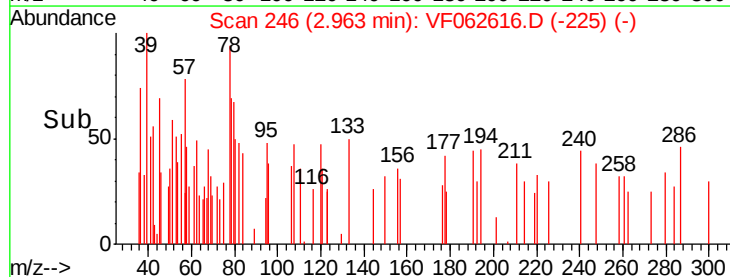
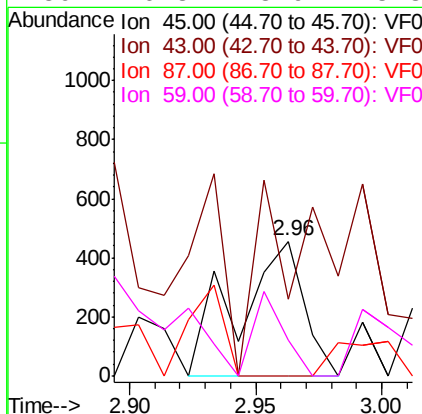
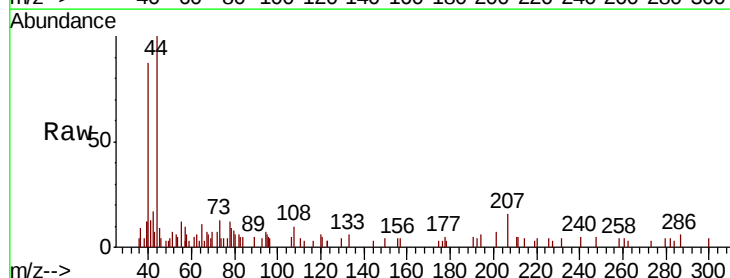
RT: 2.96 min Scan# 246

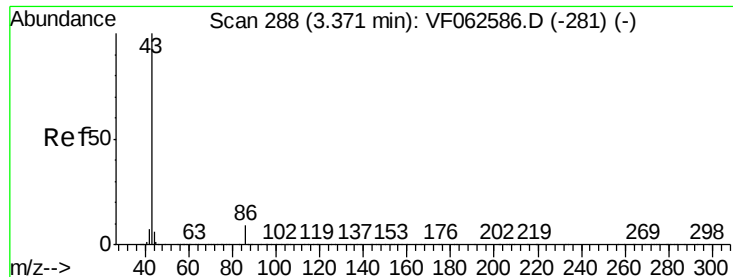
Delta R.T. 0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	45	Resp:	840
Ion	Ratio	Lower	Upper
45	100		
43	57.5	35.4	53.0#
87	0.0	18.4	27.6#
59	26.3	8.9	13.3#

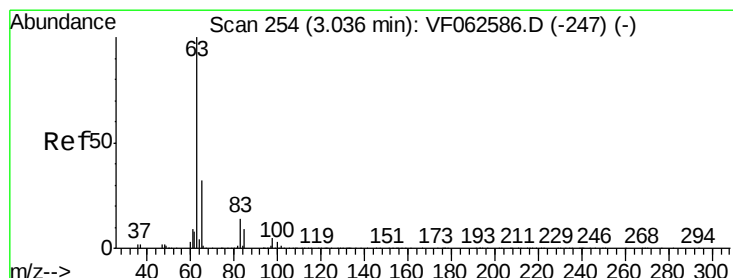
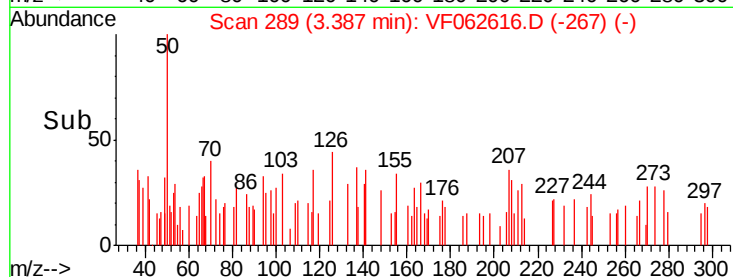
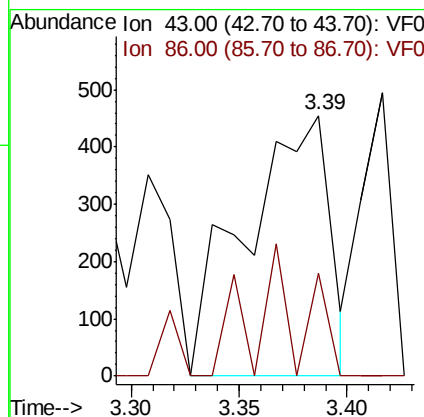
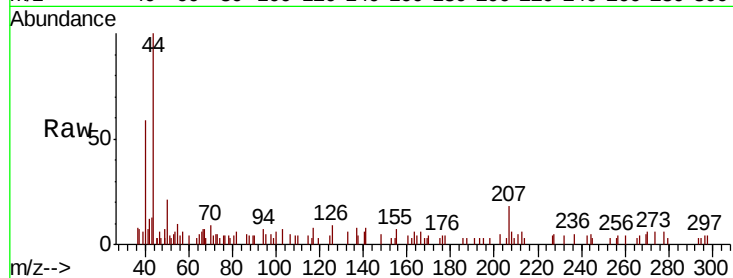




#23
 Vinyl Acetate
 Concen: 1305.510 ug/l
 RT: 3.39 min Scan# 289
 Delta R.T. 0.02 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

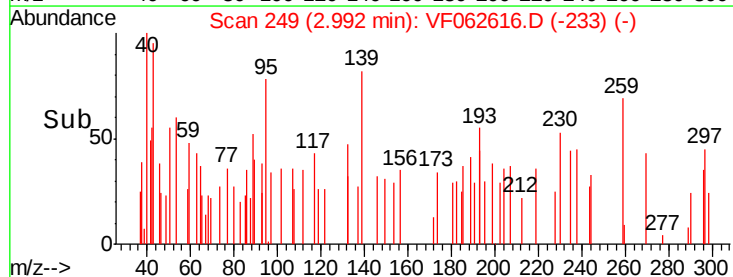
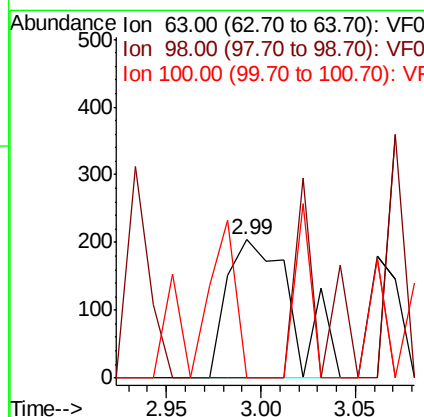
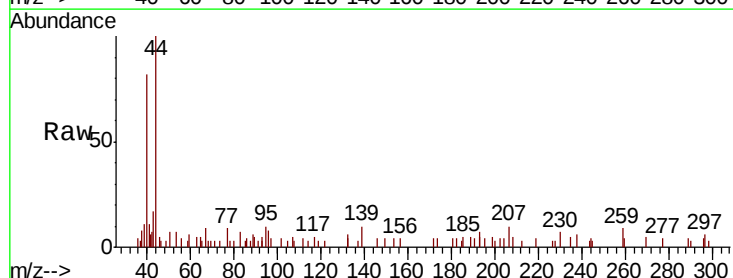
Instrument :
 MSVOA_F
 ClientSampled :

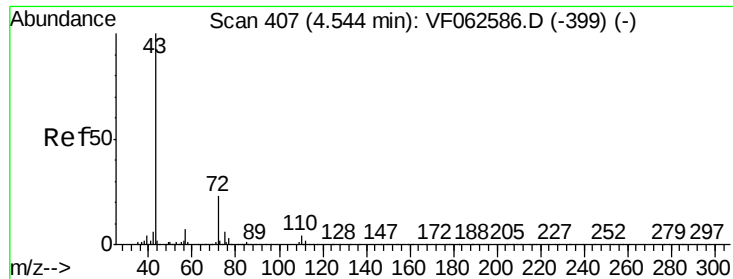
Tot Ion: 43 Resp: 1235
 Ion Ratio Lower Upper
 43 100
 86 39.6 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 375.212 ug/l
 RT: 2.99 min Scan# 249
 Delta R.T. -0.04 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Tgt Ion: 63 Resp: 494
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.6 7.8#
 100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 5933.331 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.07 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

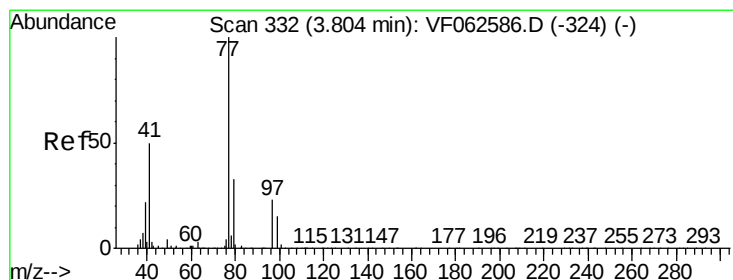
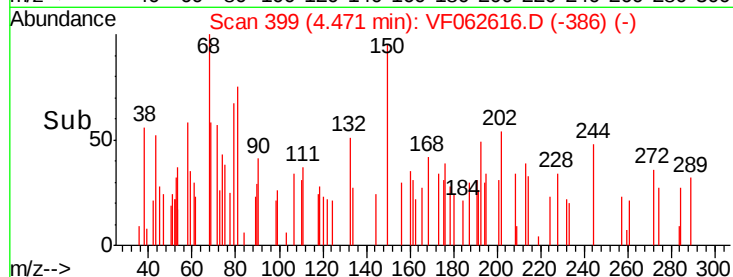
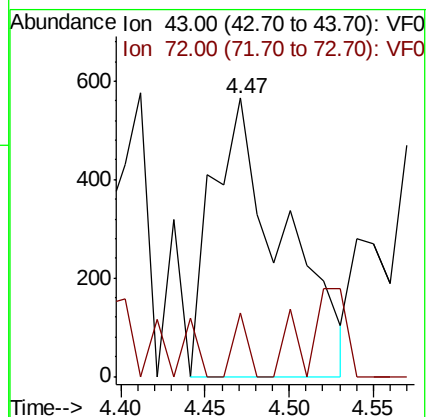
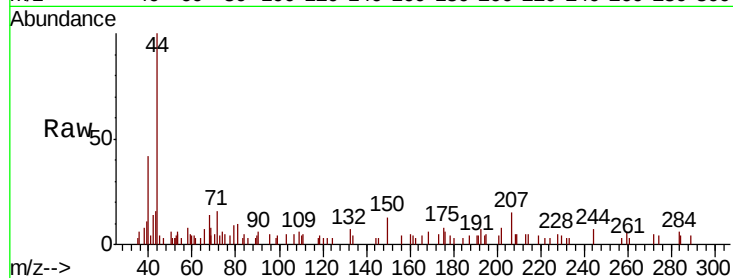
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1645

Ion Ratio Lower Upper

43 100

72 22.8 18.5 27.7



#26

2,2-Dichloropropane

Concen: 599.531 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF062616.D

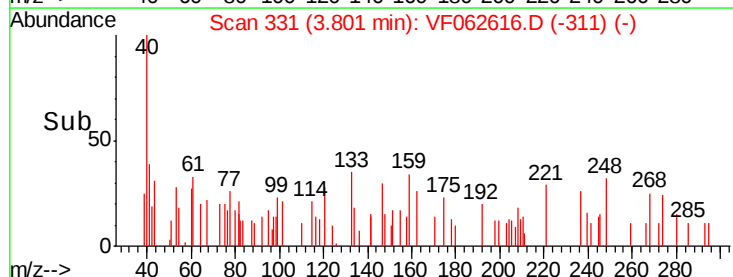
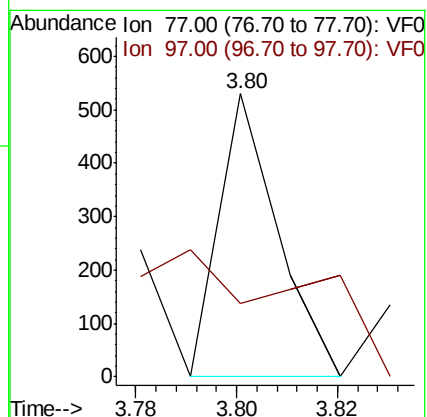
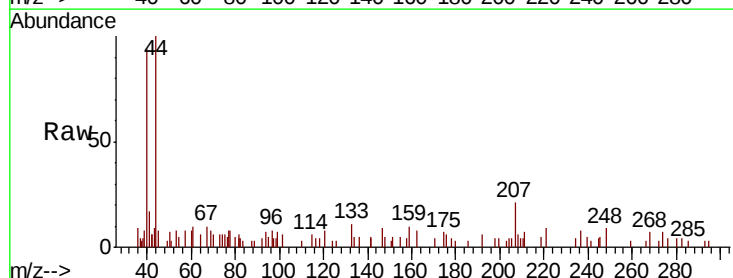
Acq: 15 May 2019 18:41

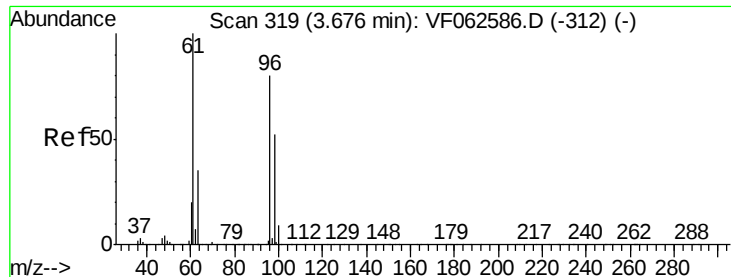
Tgt Ion: 77 Resp: 426

Ion Ratio Lower Upper

77 100

97 25.8 12.0 36.0



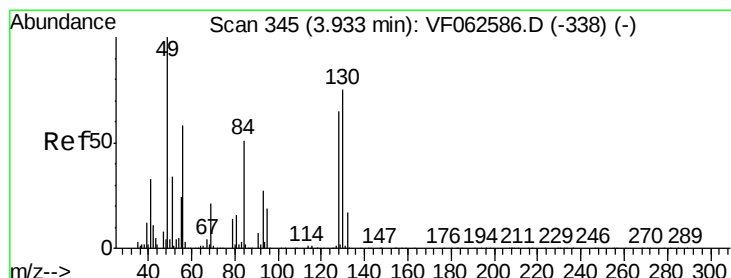
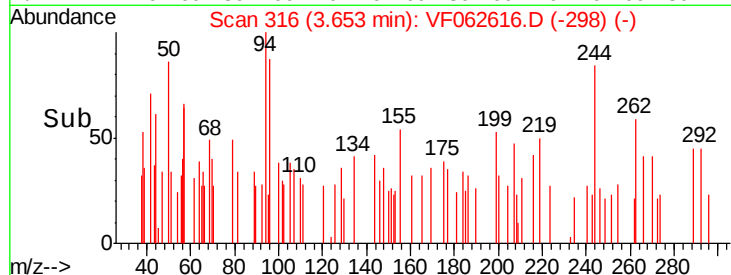
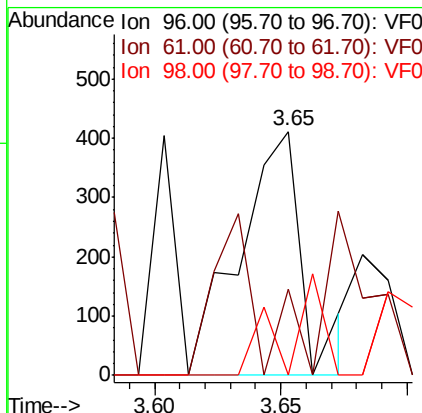
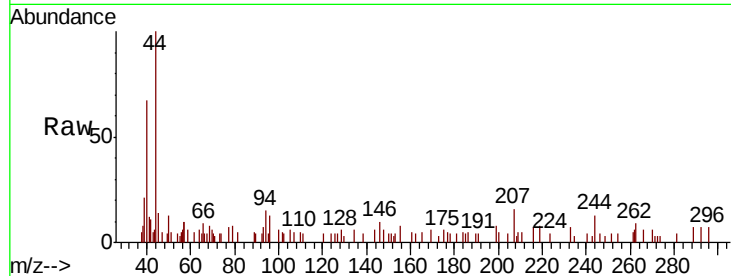


#27

cis-1,2-Dichloroethene
Concen: 694.641 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.02 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampled :

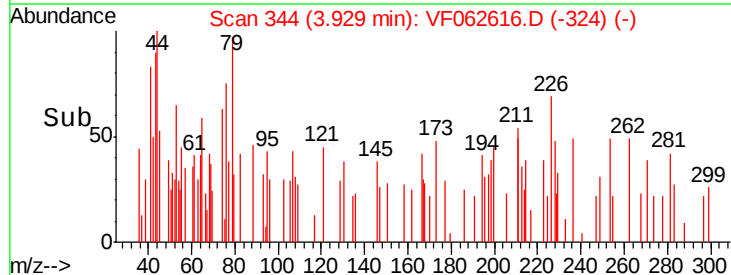
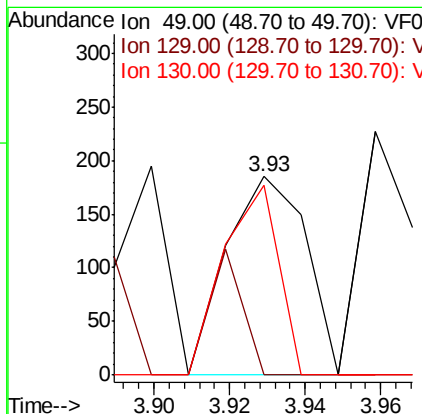
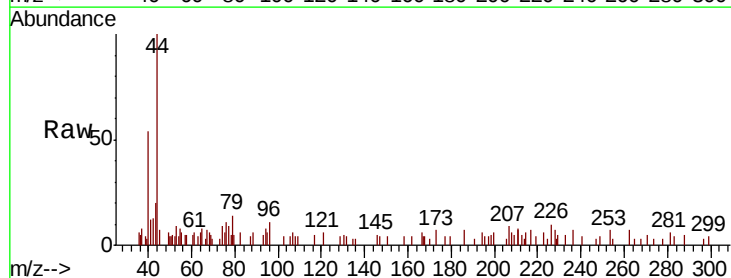
Tot Ion: 96 Resp: 719
Ion Ratio Lower Upper
96 100
61 35.5 0.0 251.4
98 0.0 0.0 129.8

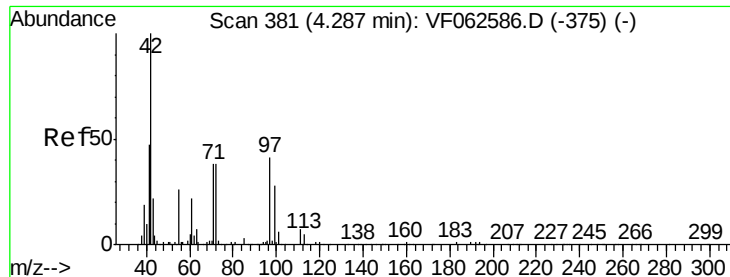


#28

Bromochloromethane
Concen: 364.831 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 49 Resp: 270
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 95.7 59.7 89.5#





#29

Tetrahydrofuran

Concen: 6494.873 ug/l

RT: 4.52 min Scan# 404

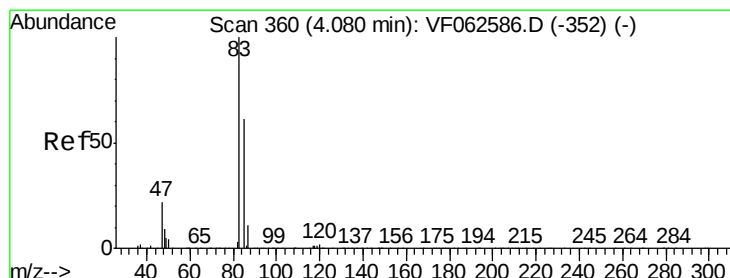
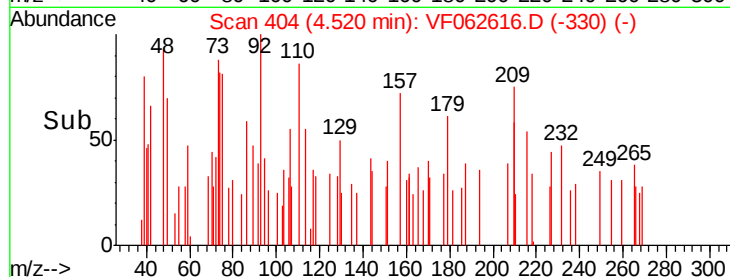
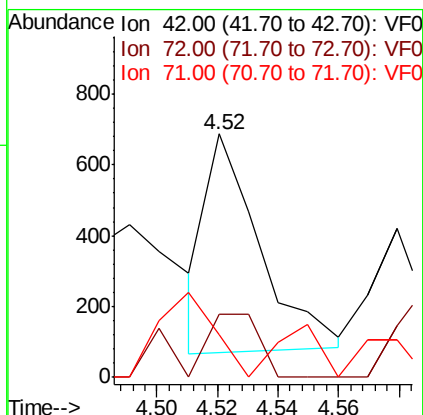
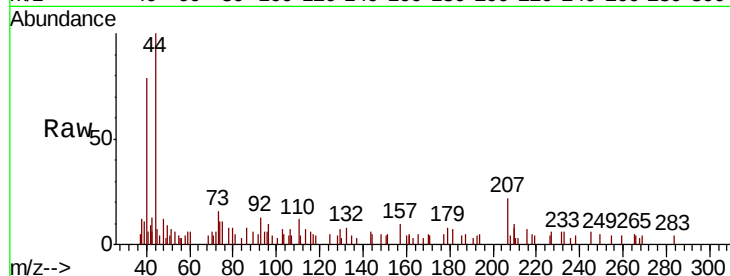
Delta R.T. 0.23 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	762
Ion	Ratio	Lower	Upper
42	100		
72	38.3	34.0	51.0
71	40.3	32.8	49.2



#30

Chloroform

Concen: 144.320 ug/l

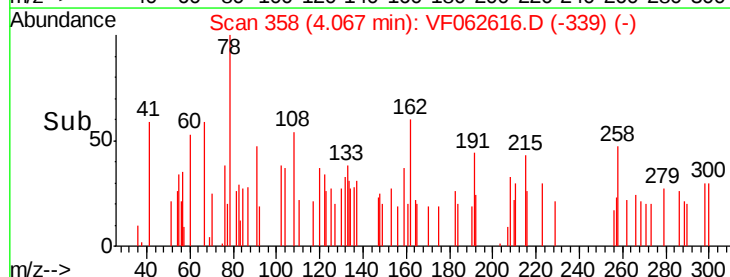
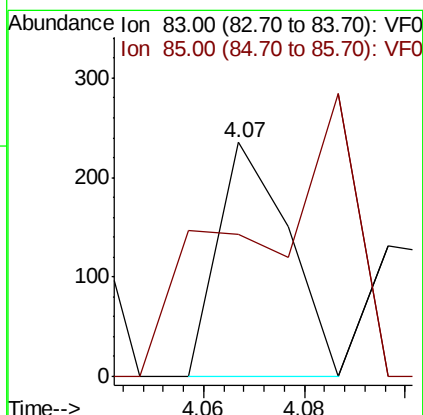
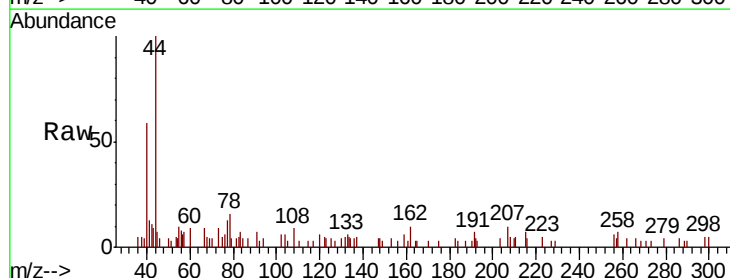
RT: 4.07 min Scan# 358

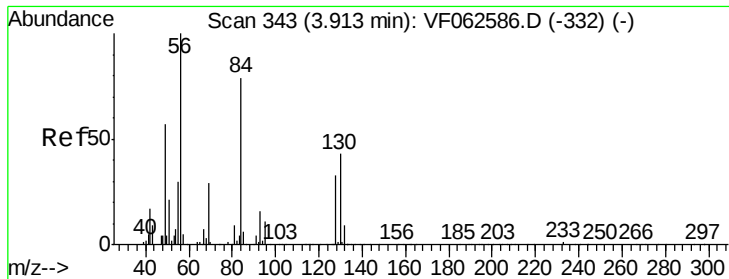
Delta R.T. -0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	83	Resp:	228
Ion	Ratio	Lower	Upper
83	100		
85	60.9	48.7	73.1

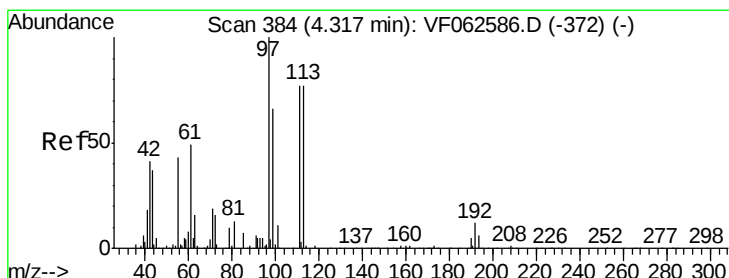
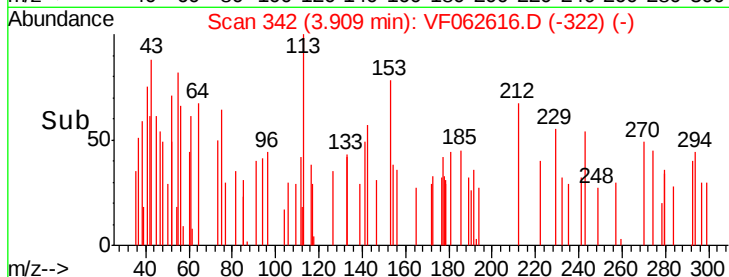
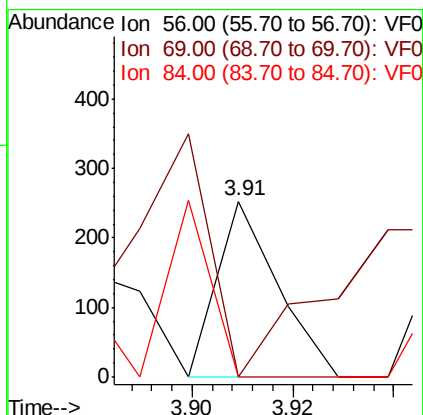
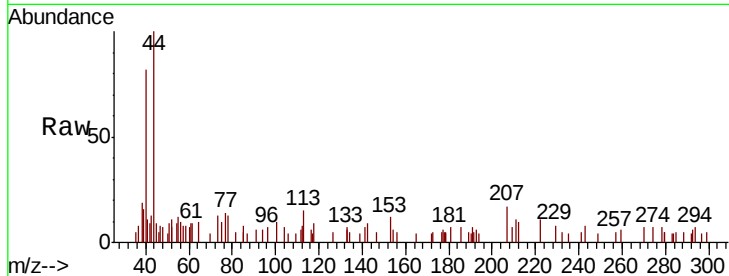




#31
Cyclohexane
Concen: 152.310 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

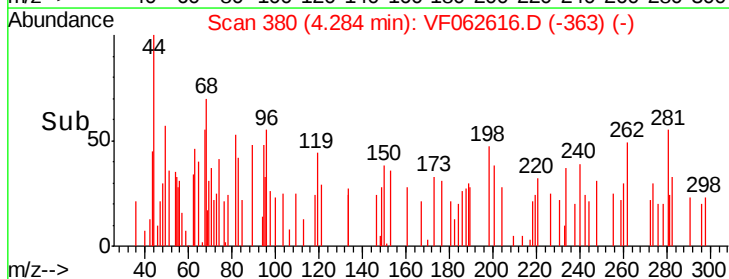
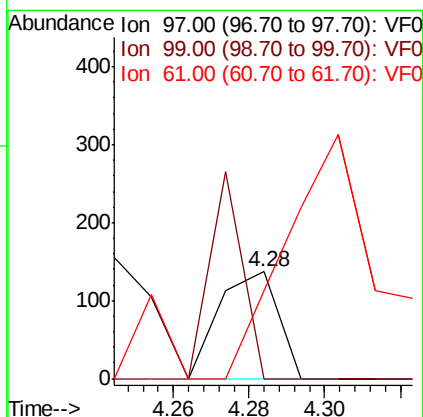
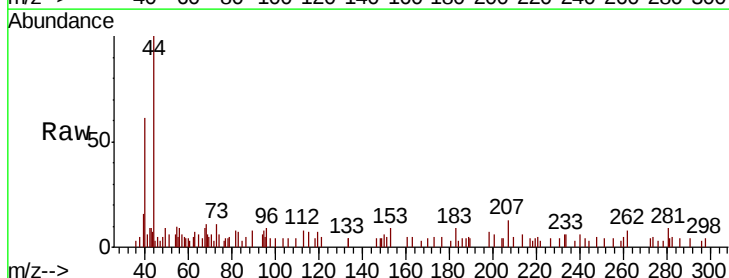
Instrument :
MSVOA_F
ClientSampleID :

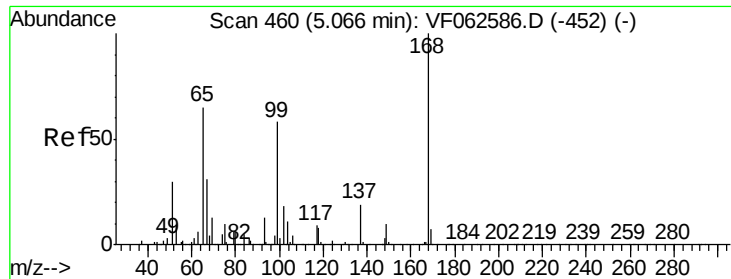
Tot Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
69 0.0 22.9 34.3#
84 0.0 63.4 95.2#



#32
1,1,1-Trichloroethane
Concen: 138.044 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 97 Resp: 147
Ion Ratio Lower Upper
97 100
99 87.6 53.4 80.0#
61 81.8 38.9 58.3#

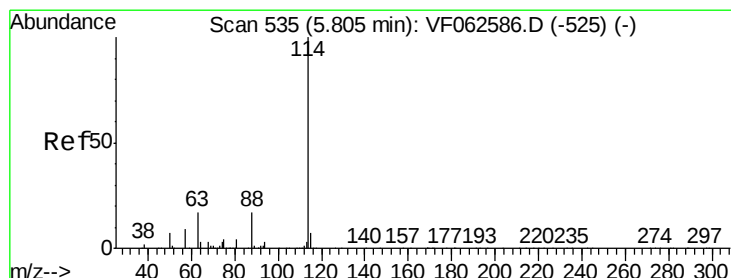
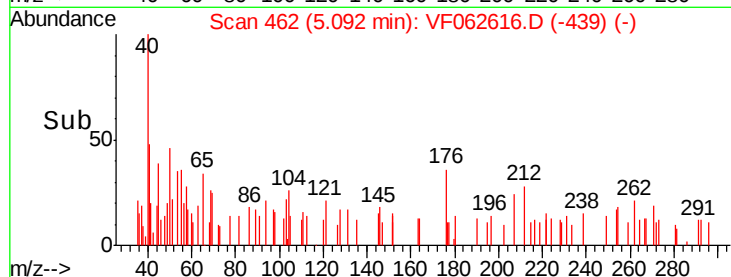
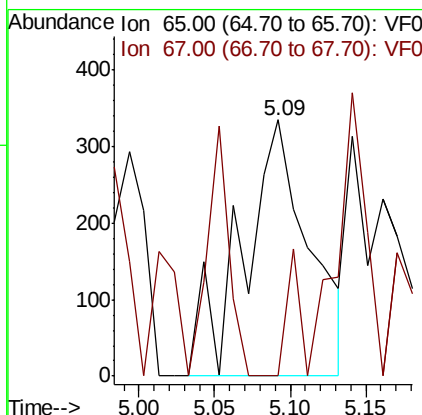
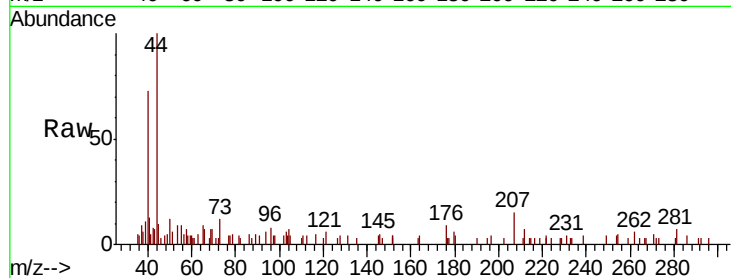




#33
 1,2-Dichloroethane-d4
 Concen: 1689.385 ug/l
 RT: 5.09 min Scan# 462
 Delta R.T. 0.03 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

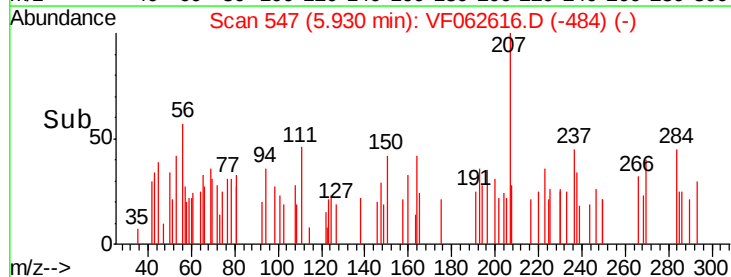
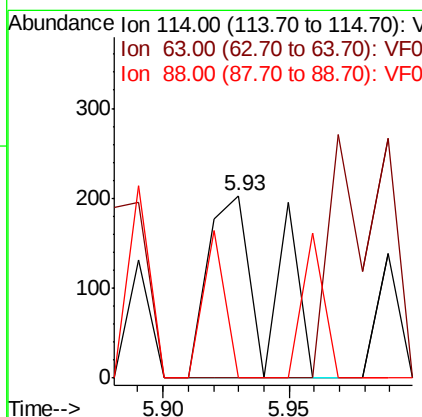
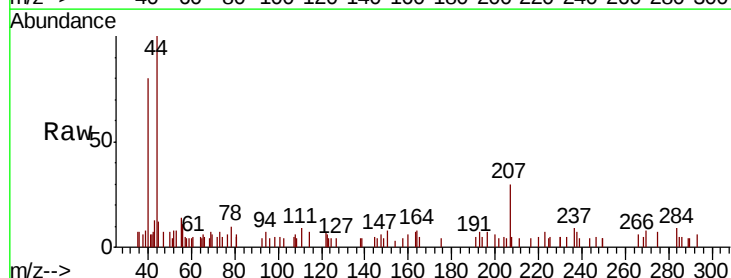
Instrument :
 MSVOA_F
 ClientSampled :

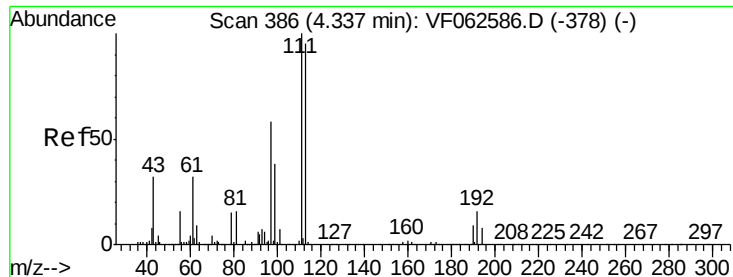
Tot Ion: 65 Resp: 1021
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.93 min Scan# 547
 Delta R.T. 0.12 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Tgt Ion:114 Resp: 341
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.6
 88 0.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 81.955 ug/l

RT: 4.45 min Scan# 397

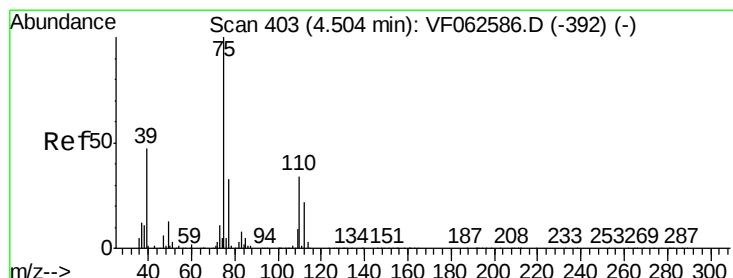
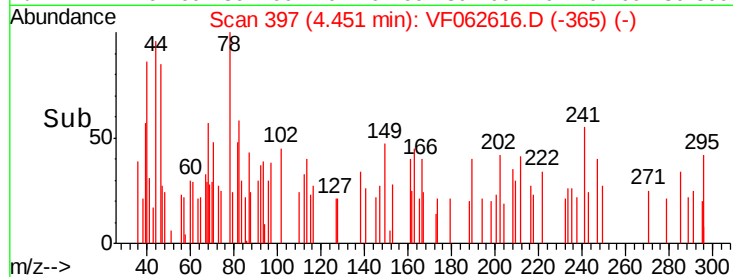
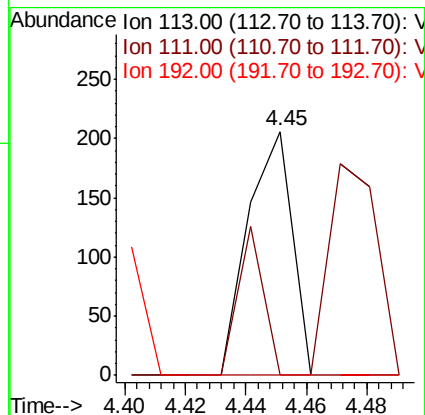
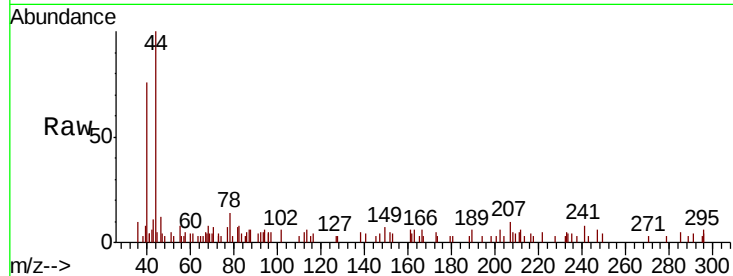
Delta R.T. 0.11 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	113	Resp:	208
Ion	Ratio	Lower	Upper
113	100		
111	0.0	83.9	125.9#
192	0.0	13.7	20.5#



#36

1,1-Dichloropropene

Concen: 245.368 ug/l

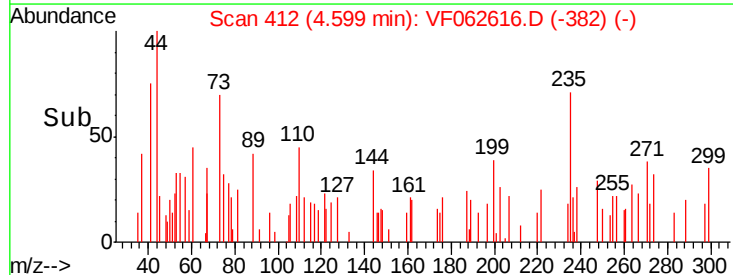
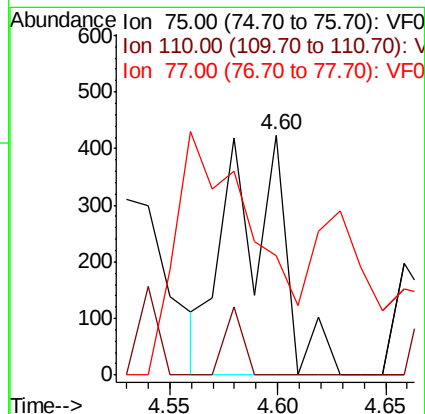
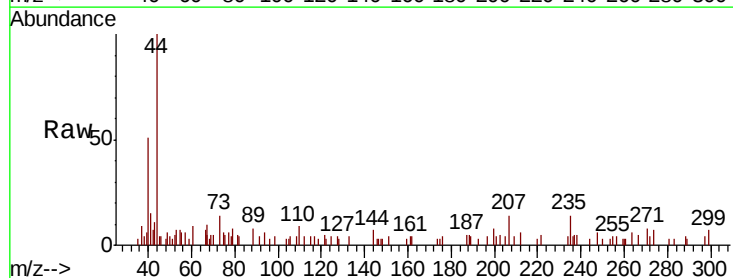
RT: 4.60 min Scan# 412

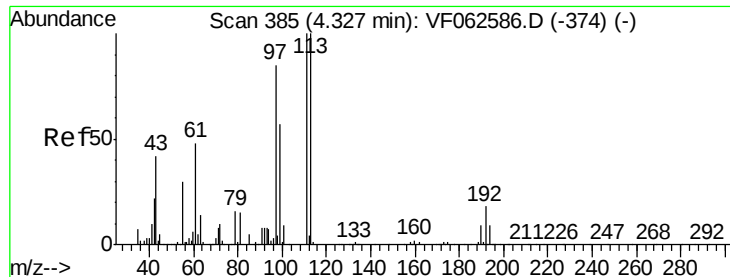
Delta R.T. 0.09 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	75	Resp:	724
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	51.7#
77	49.8	26.4	39.6#

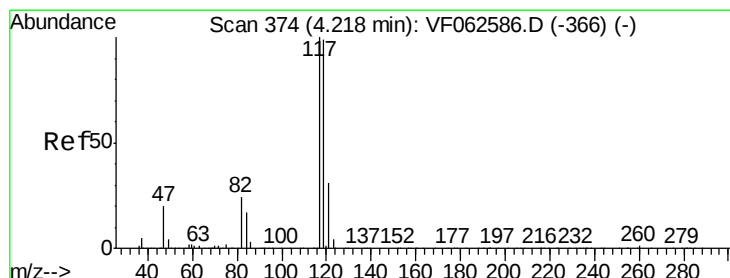
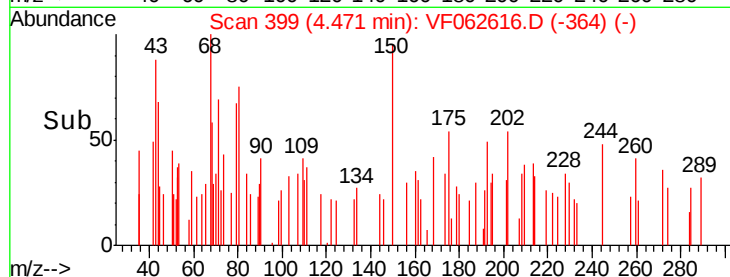
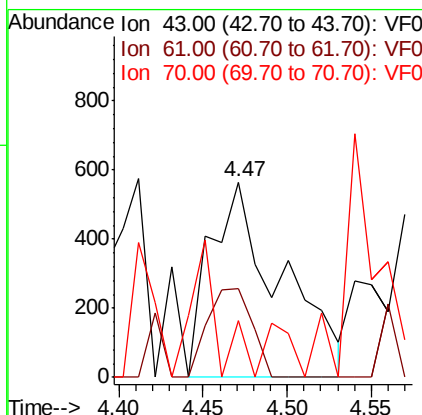
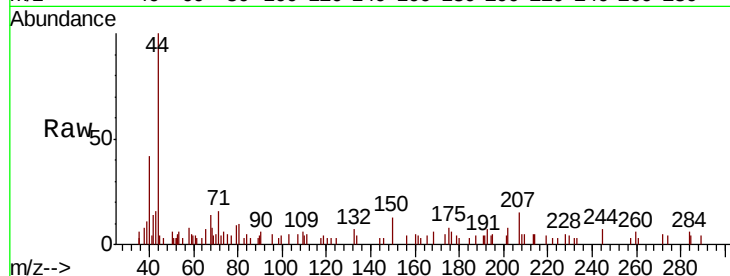




#37
Ethyl Acetate
Concen: 1356.655 ug/l
RT: 4.47 min Scan# 399
Delta R.T. 0.14 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

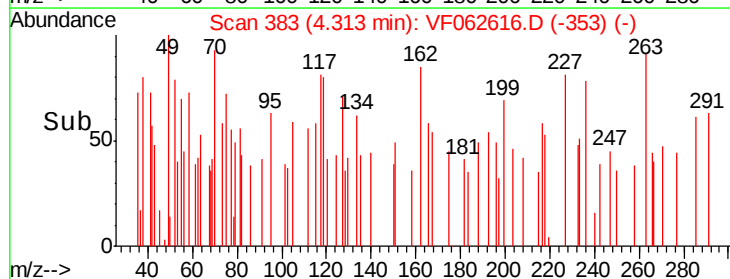
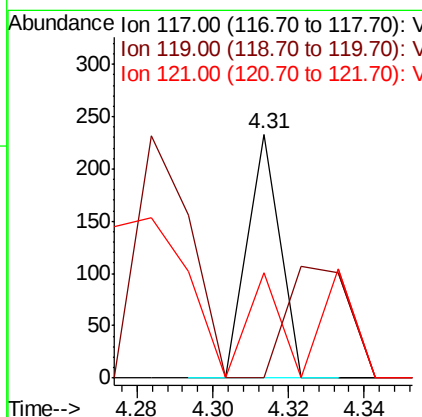
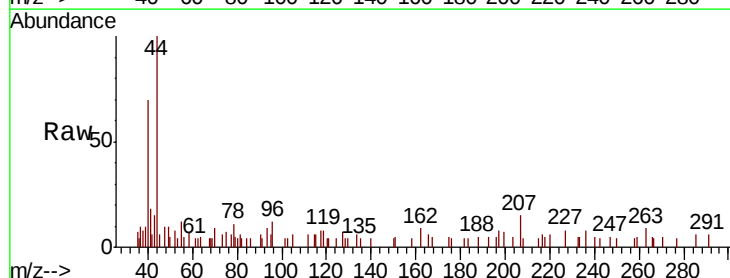
Instrument :
MSVOA_F
ClientSampled :

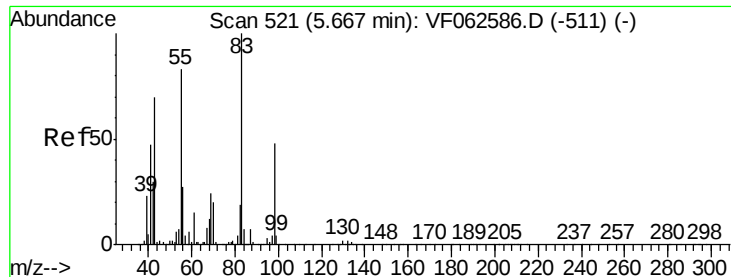
Tot Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
61 45.4 88.6 132.8#
70 29.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 57.013 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.09 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 117 Resp: 138
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 43.3 25.0 37.6#

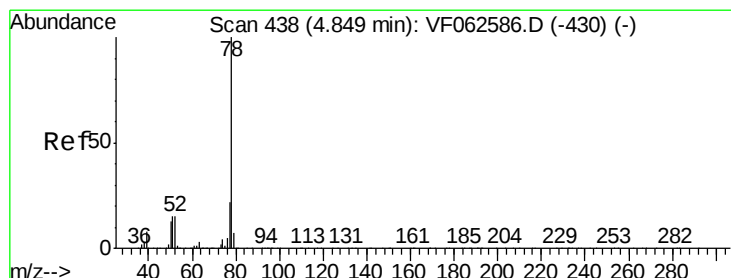
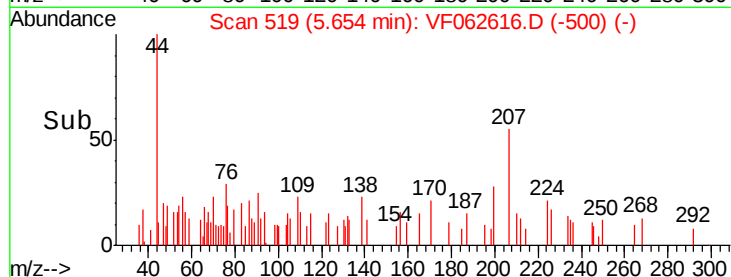
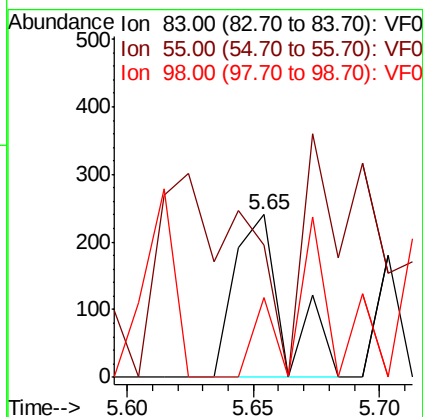
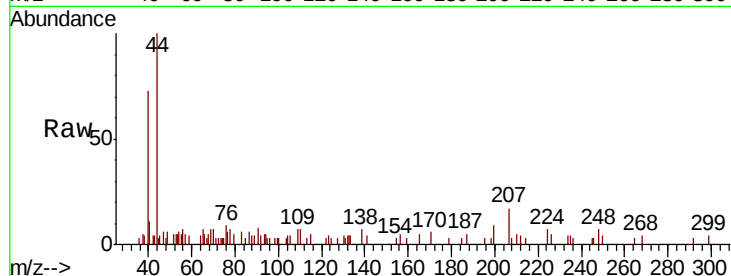




#39
Methvlcvclohexane
Concen: 94.942 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

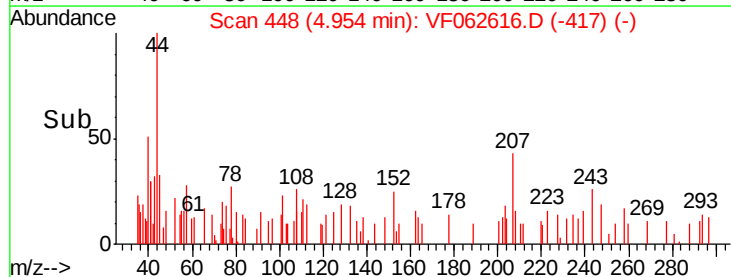
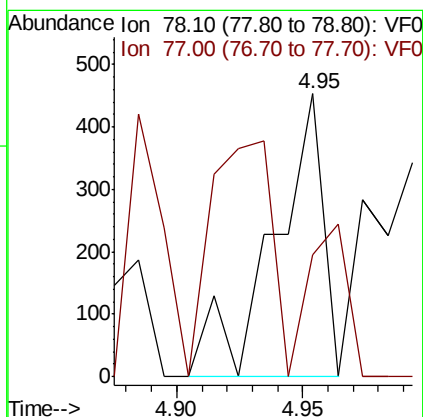
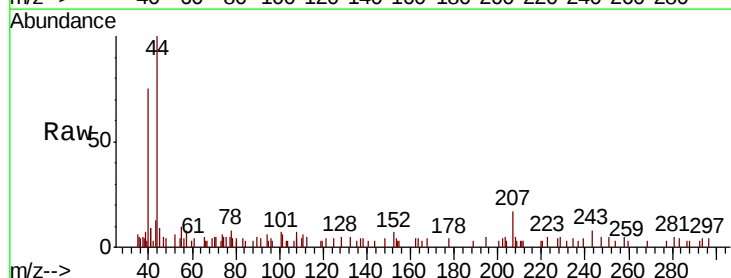
Instrument :
MSVOA_F
ClientSampled :

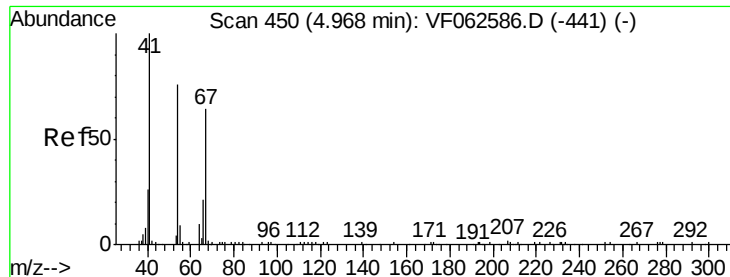
Tot Ion: 83 Resp: 328
Ion Ratio Lower Upper
83 100
55 81.3 66.6 100.0
98 48.8 38.3 57.5



#40
Benzene
Concen: 73.263 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.10 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 78 Resp: 615
Ion Ratio Lower Upper
78 100
77 43.3 17.7 26.5#

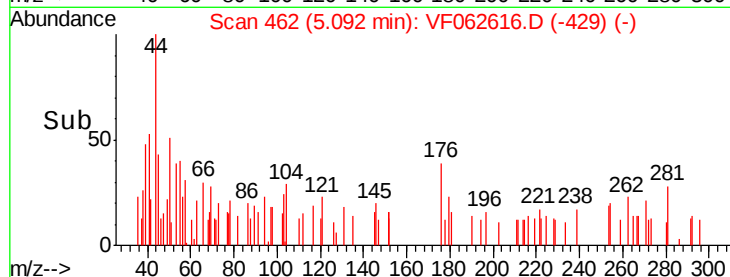
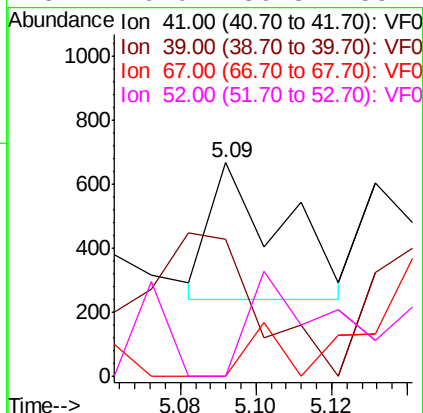
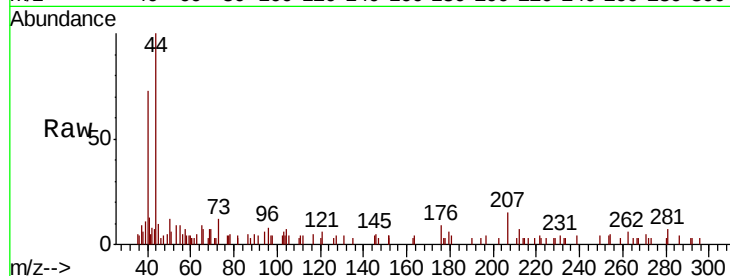




#41
Methacrylonitrile
Concen: 817.020 ug/l
RT: 5.09 min Scan# 462
Delta R.T. 0.12 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

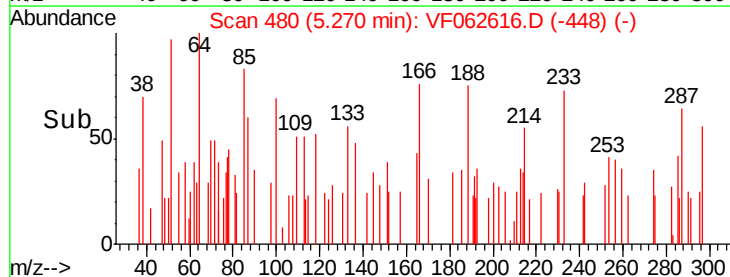
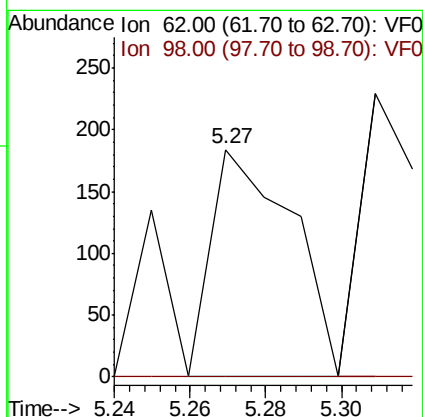
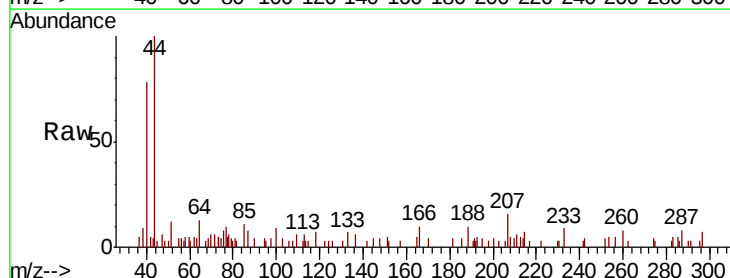
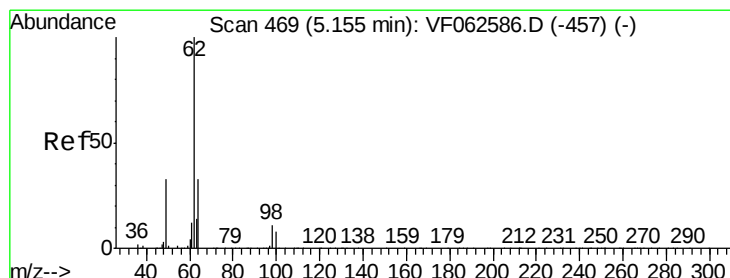
Instrument :
MSVOA_F
ClientSampled :

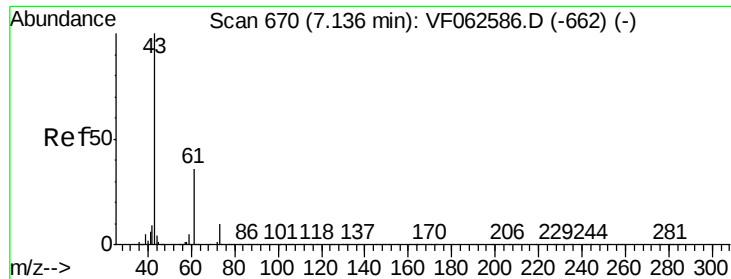
Tot Ion:	41	Resp:	561
Ion	Ratio	Lower	Upper
41	100		
39	64.0	40.8	61.2#
67	0.0	50.2	75.2#
52	0.0	36.8	55.2#



#42
1,2-Dichloroethane
Concen: 152.134 ug/l
RT: 5.27 min Scan# 480
Delta R.T. 0.11 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion:	62	Resp:	271
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.2



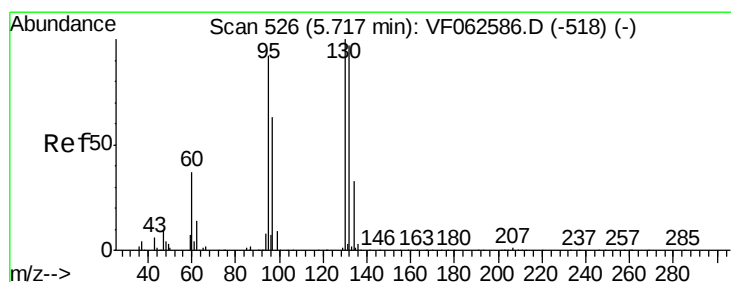
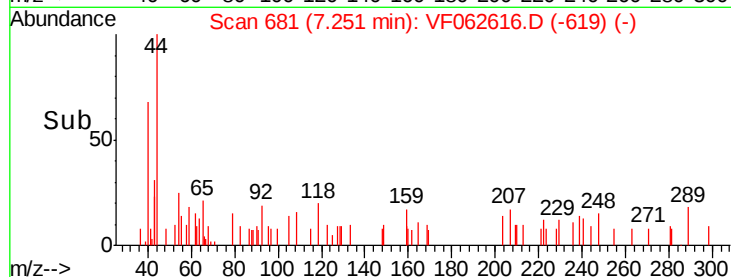
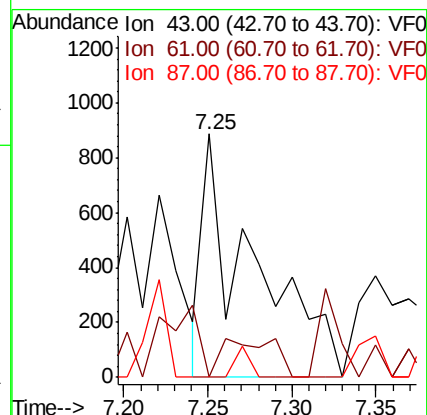
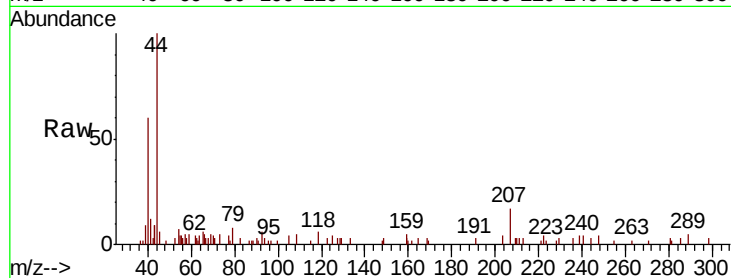


#43

Isopropyl Acetate
 Concen: 1285.854 ug/l
 RT: 7.25 min Scan# 681
 Delta R.T. 0.11 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Instrument :
 MSVOA_F
 ClientSampled :

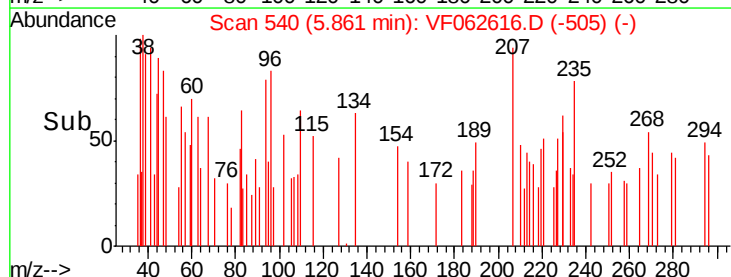
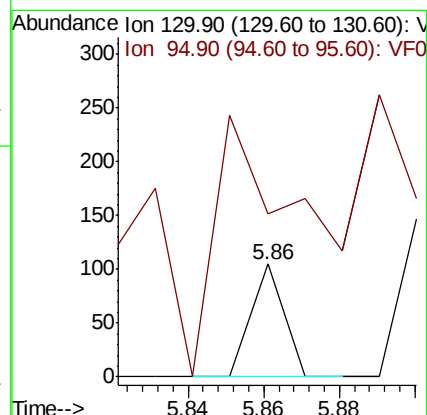
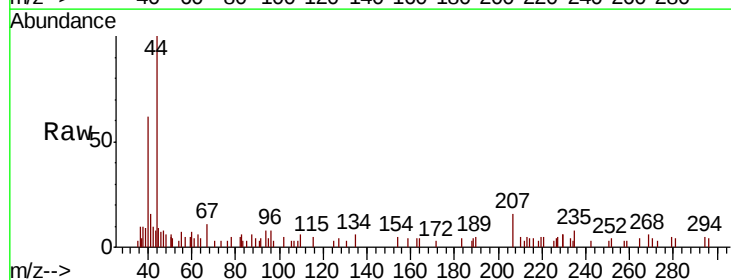
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.5	42.7#
87	11.5	0.4	0.6#

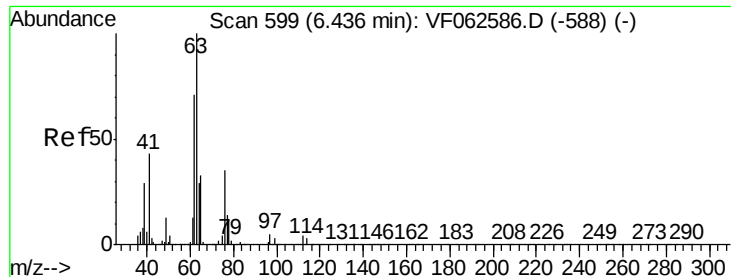


#44

Trichloroethene
 Concen: 27.349 ug/l
 RT: 5.86 min Scan# 540
 Delta R.T. 0.14 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	144.8	0.0	185.0





#45

1,2-Dichloropropane

Concen: 69.098 ug/l

RT: 6.60 min Scan# 615

Delta R.T. 0.16 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

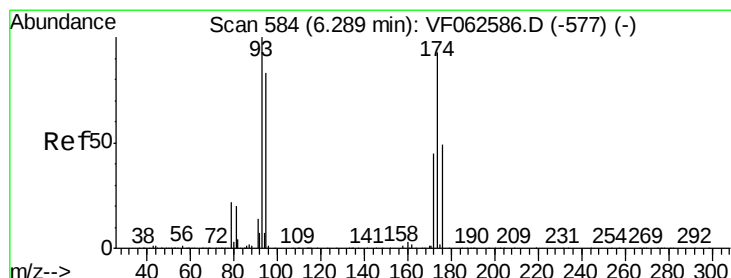
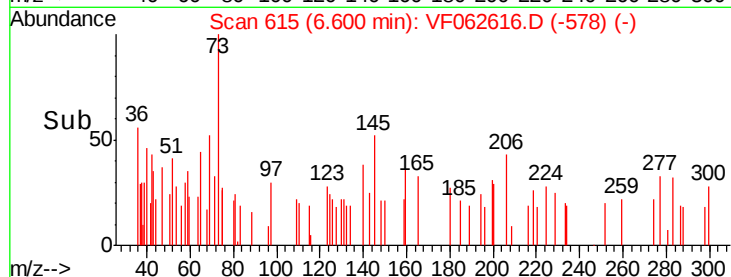
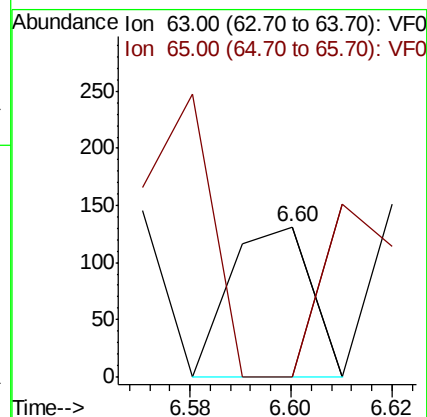
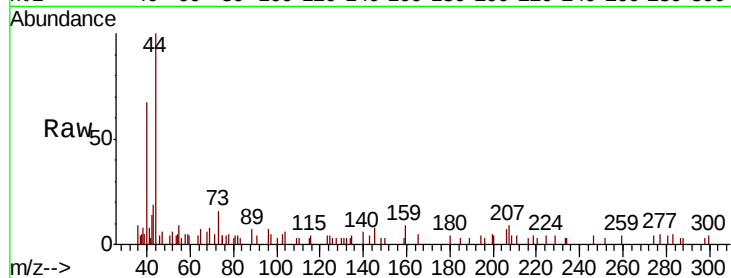
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 146

Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.4#



#46

Dibromomethane

Concen: 252.260 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.14 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

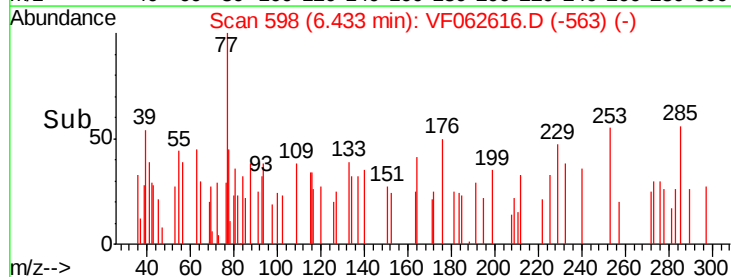
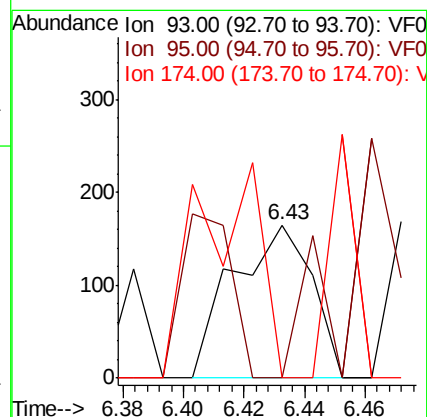
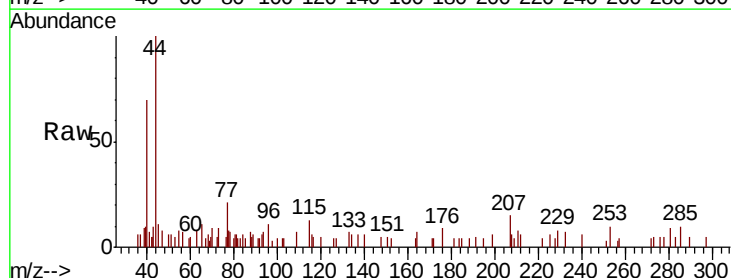
Tgt Ion: 93 Resp: 298

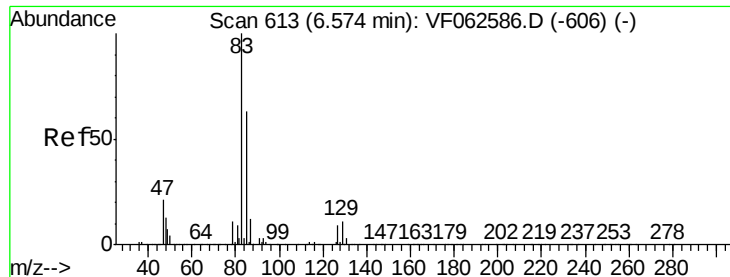
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.6 112.0#





#47

Bromodichloromethane

Concen: 352.820 ug/l

RT: 6.72 min Scan# 627

Delta R.T. 0.14 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampleId :

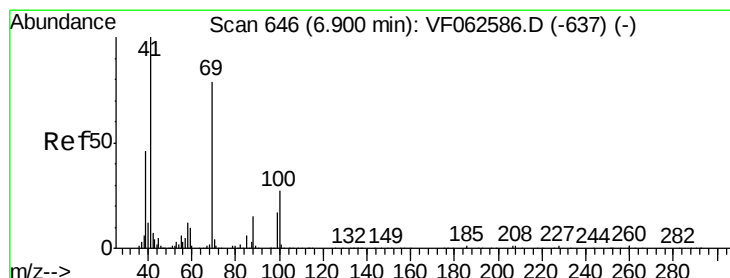
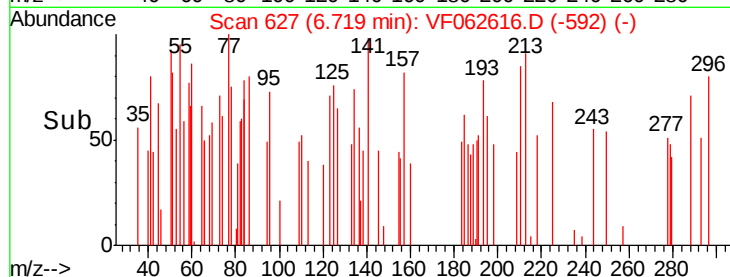
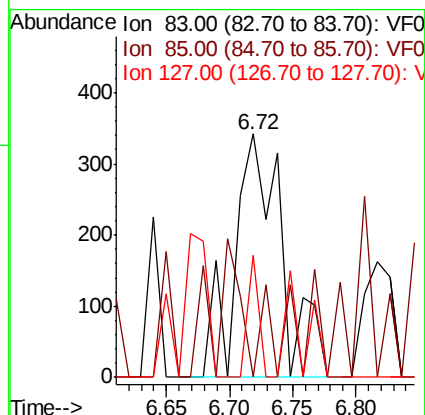
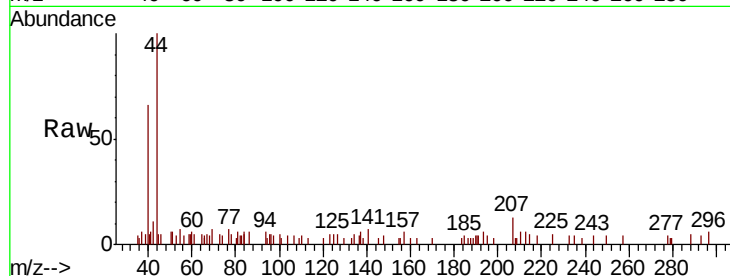
Tot Ion: 83 Resp: 896

Ion Ratio Lower Upper

83 100

85 0.0 50.3 75.5#

127 50.3 7.2 10.8#



#48

Methyl methacrylate

Concen: 3197.134 ug/l

RT: 7.01 min Scan# 657

Delta R.T. 0.11 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

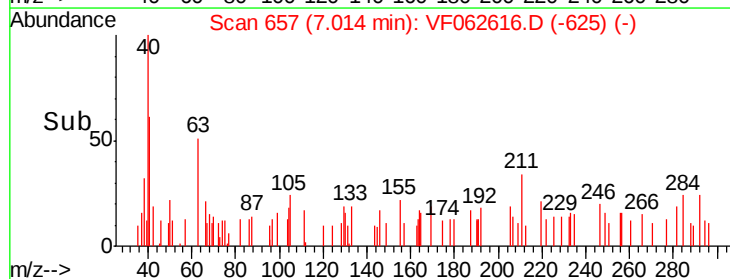
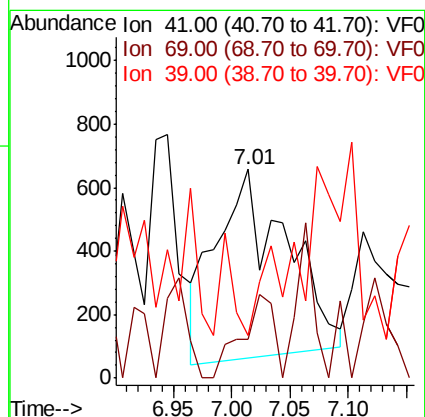
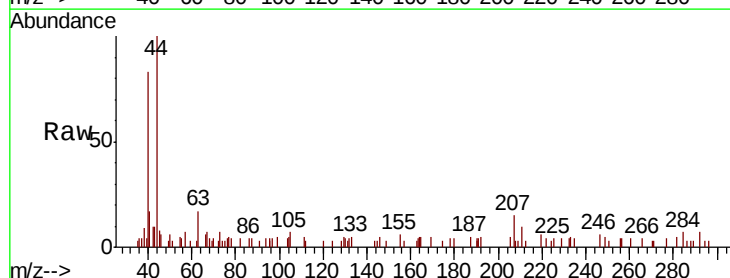
Tgt Ion: 41 Resp: 2511

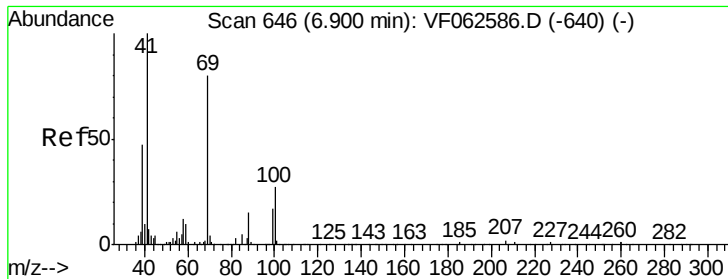
Ion Ratio Lower Upper

41 100

69 40.9 63.0 94.6#

39 20.4 37.6 56.4#





#49

1,4-Dioxane

Concen: 6956.745 ug/l

RT: 7.02 min Scan# 658

Delta R.T. 0.12 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampled :

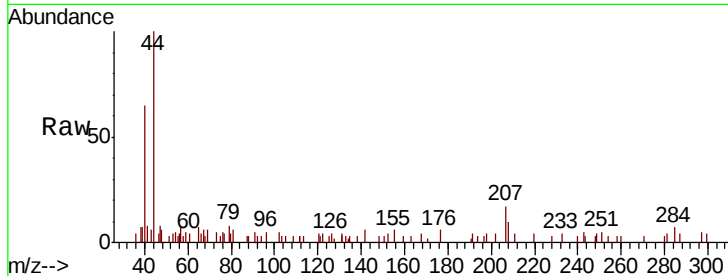
Tot Ion: 88 Resp: 72

Ion Ratio Lower Upper

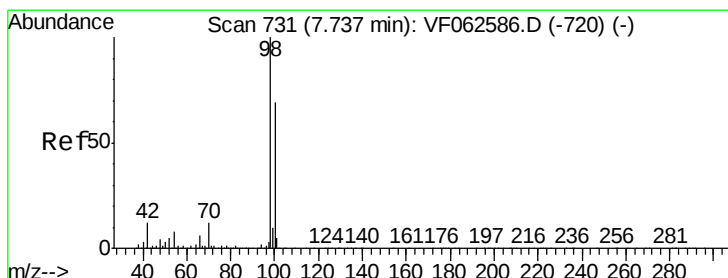
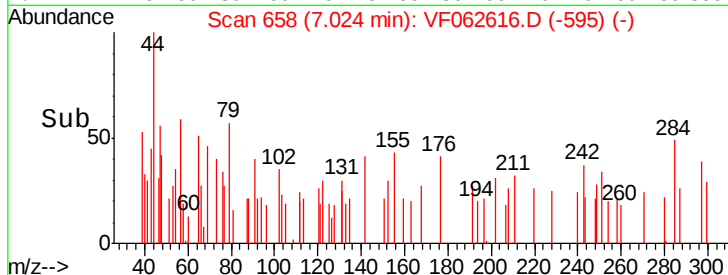
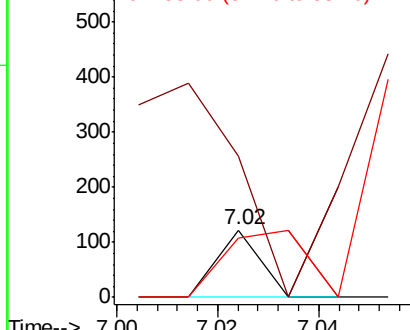
88 100

43 210.7 28.8 43.2#

58 88.5 60.6 90.8



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



#50

Toluene-d8

Concen: 53.340 ug/l

RT: 7.90 min Scan# 747

Delta R.T. 0.16 min

Lab File: VF062616.D

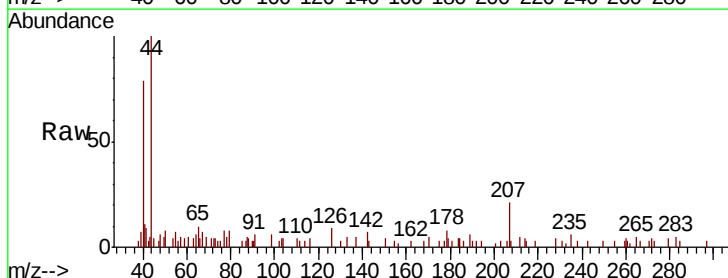
Acq: 15 May 2019 18:41

Tgt Ion: 98 Resp: 319

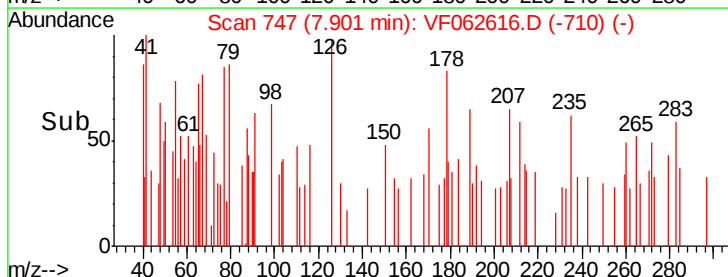
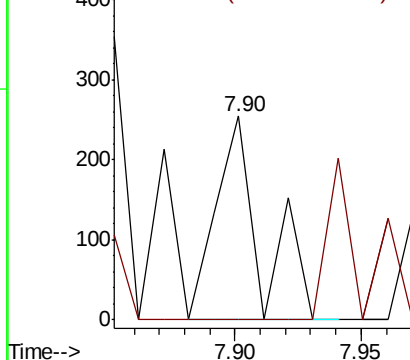
Ion Ratio Lower Upper

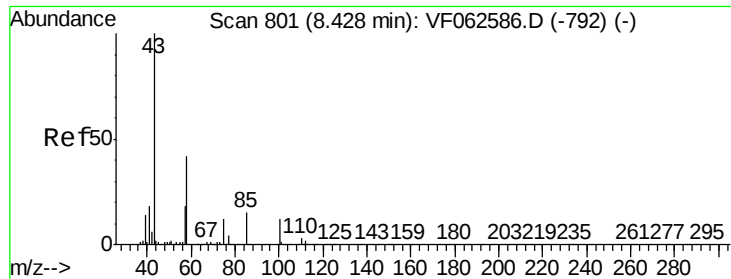
98 100

100 0.0 55.4 83.0#



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





#51

4-Methyl-2-Pentanone

Concen: 455.603 ug/l

RT: 8.56 min Scan# 814

Delta R.T. 0.13 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

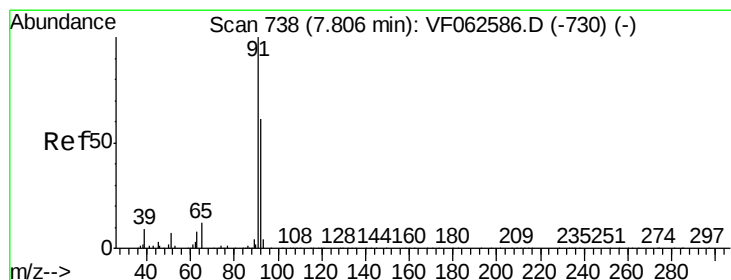
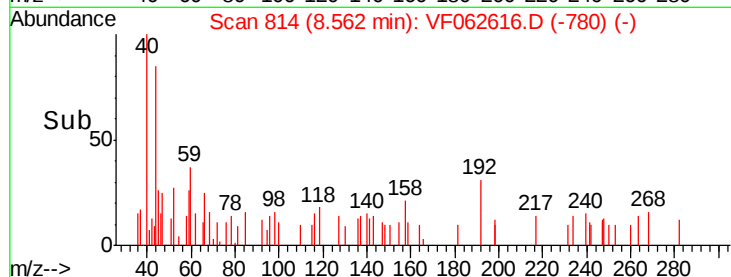
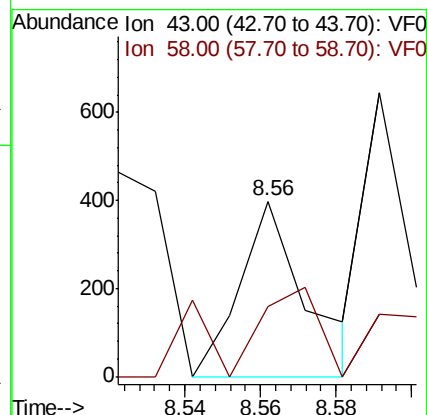
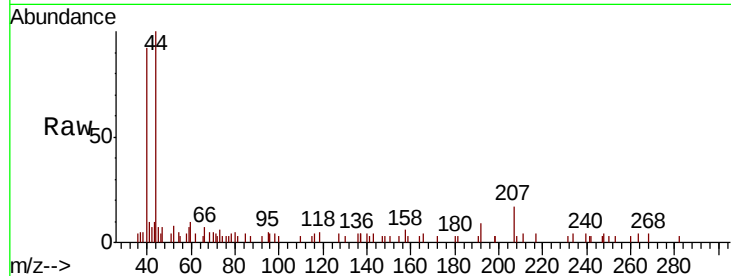
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

58 40.2 33.6 50.4



#52

Toluene

Concen: 23.257 ug/l

RT: 7.96 min Scan# 753

Delta R.T. 0.15 min

Lab File: VF062616.D

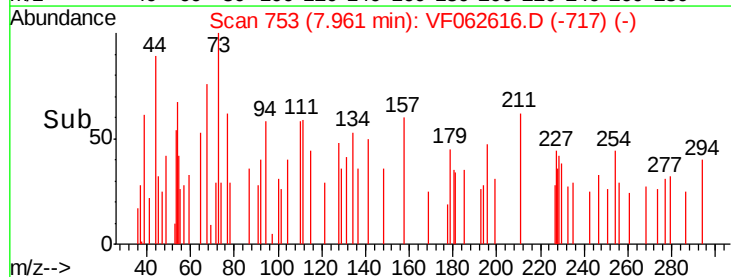
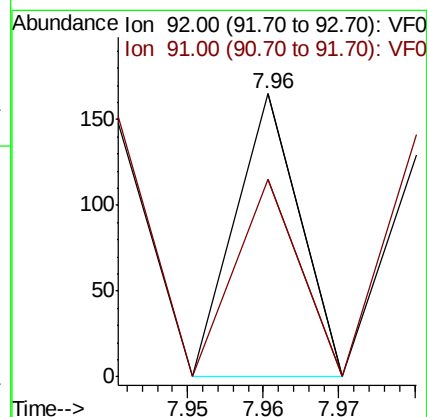
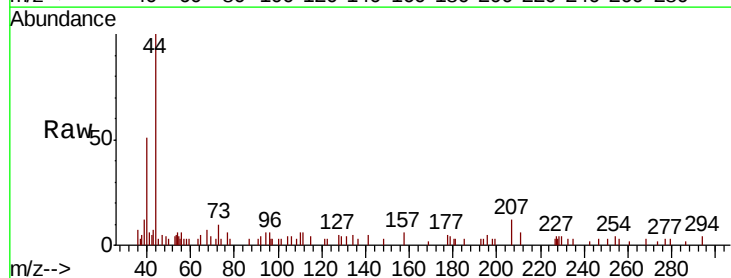
Acq: 15 May 2019 18:41

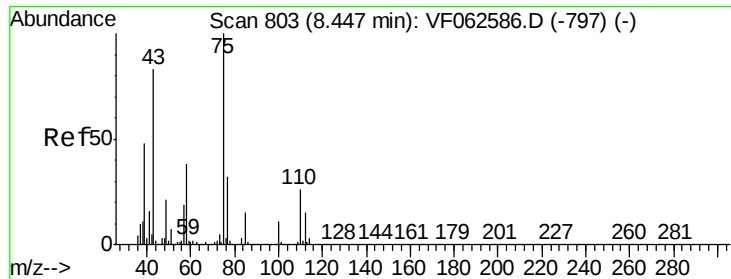
Tgt Ion: 92 Resp: 98

Ion Ratio Lower Upper

92 100

91 69.7 131.0 196.4#





#53

t-1,3-Dichloropropene

Concen: 126.603 ug/l

RT: 8.59 min Scan# 817

Delta R.T. 0.14 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

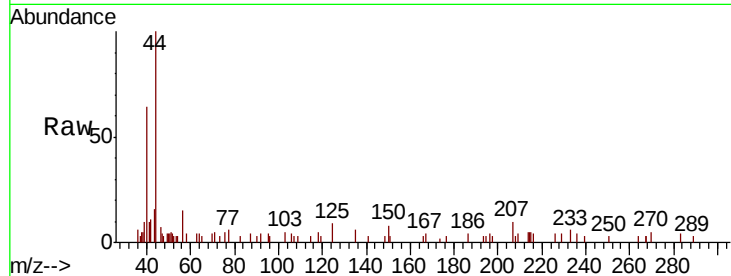
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 254

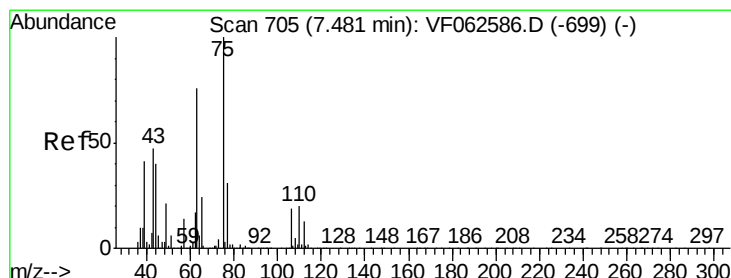
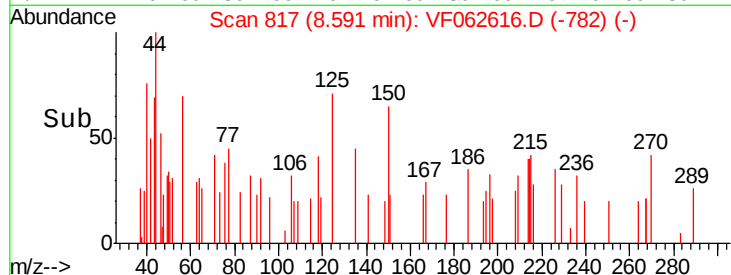
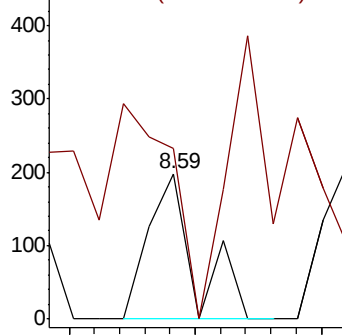
Ion Ratio Lower Upper

75 100

77 117.7 25.7 38.5#



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



#54

cis-1,3-Dichloropropene

Concen: 33.508 ug/l

RT: 7.67 min Scan# 724

Delta R.T. 0.19 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

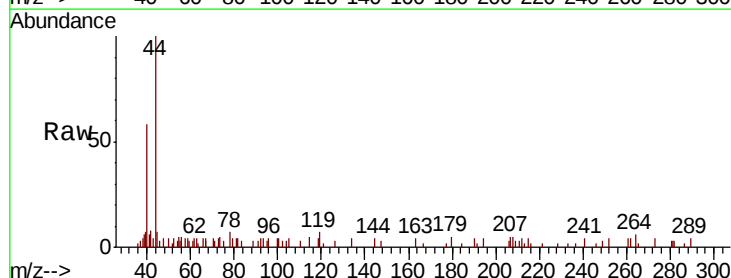
Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

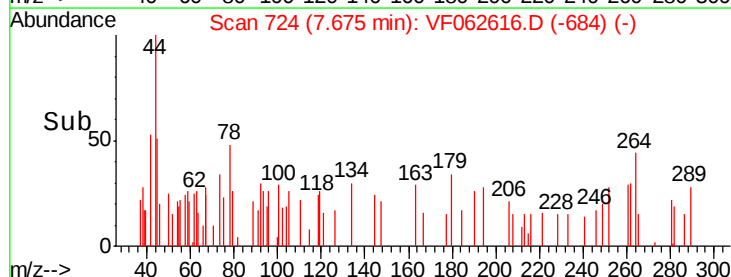
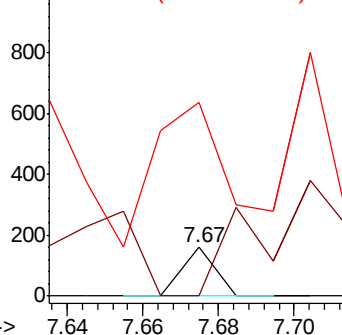
75 100

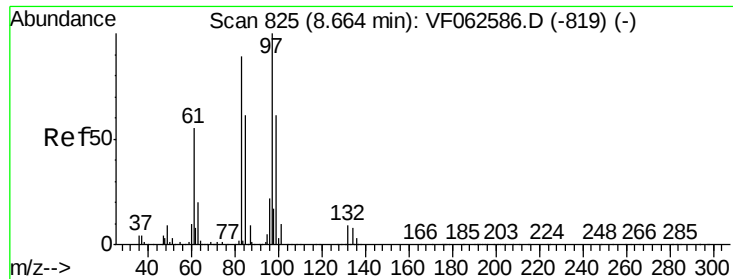
77 0.0 25.0 37.6#

39 396.3 32.8 49.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 370.934 ug/l

RT: 8.81 min Scan# 839

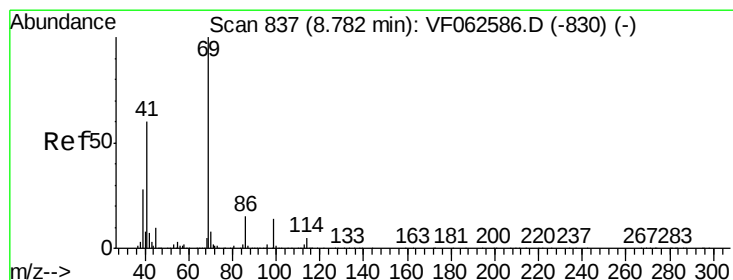
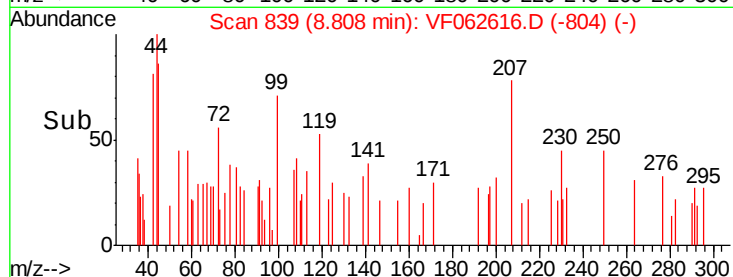
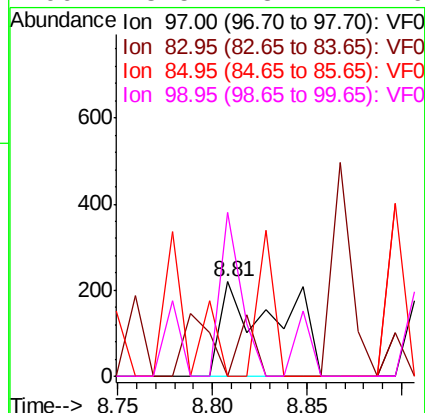
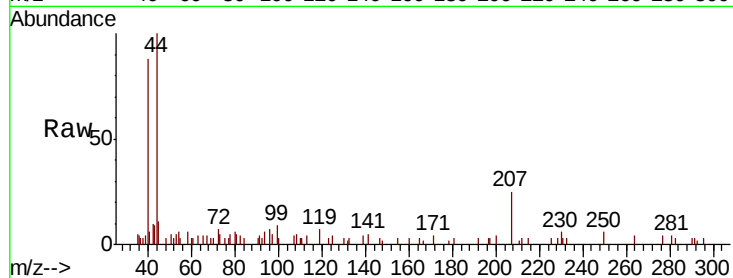
Delta R.T. 0.14 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	468
Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.3	106.9#
85	0.0	48.9	73.3#
99	173.5	48.4	72.6#



#56

Ethyl methacrylate

Concen: 412.927 ug/l

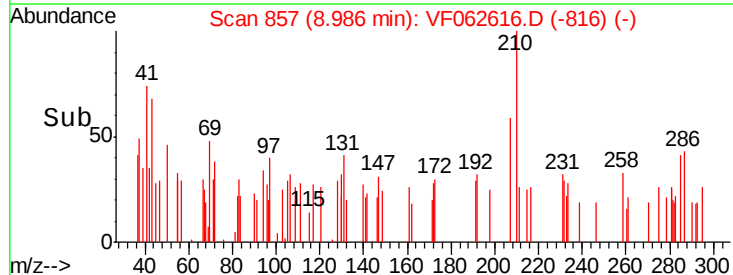
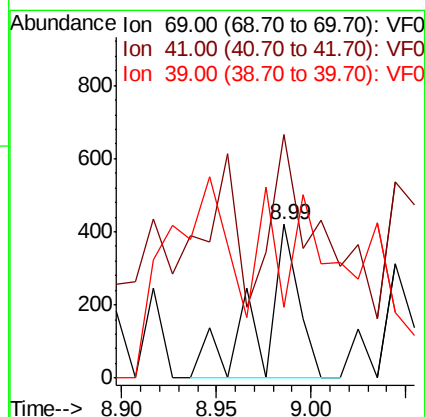
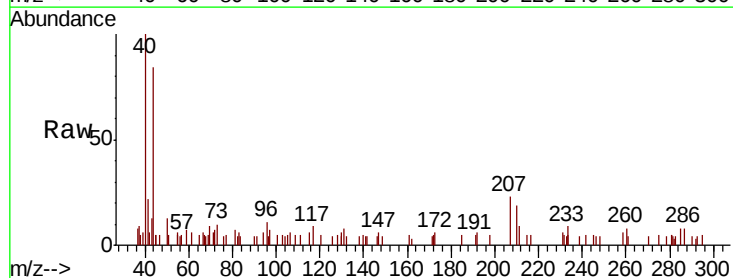
RT: 8.99 min Scan# 857

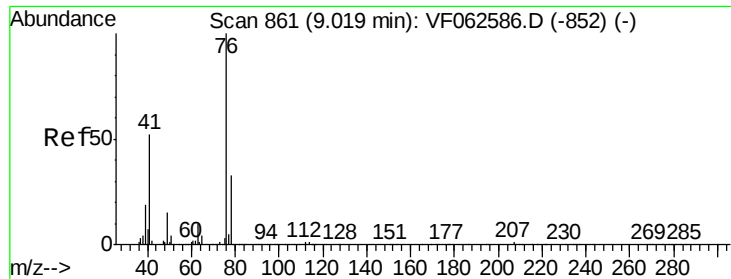
Delta R.T. 0.20 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	69	Resp:	571
Ion	Ratio	Lower	Upper
69	100		
41	158.6	48.1	72.1#
39	46.0	22.5	33.7#





#57

1,3-Dichloropropane

Concen: 84.518 ug/l

RT: 9.19 min Scan# 878

Delta R.T. 0.17 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

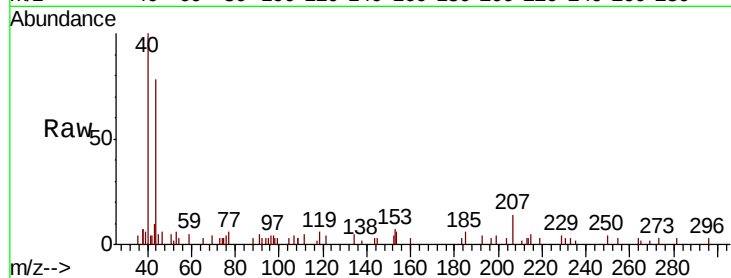
ClientSampleId :

Tot Ion: 76 Resp: 176

Ion Ratio Lower Upper

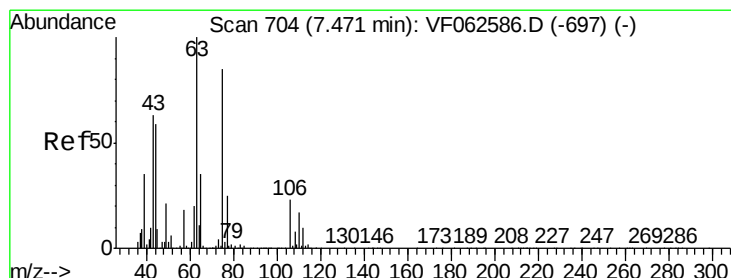
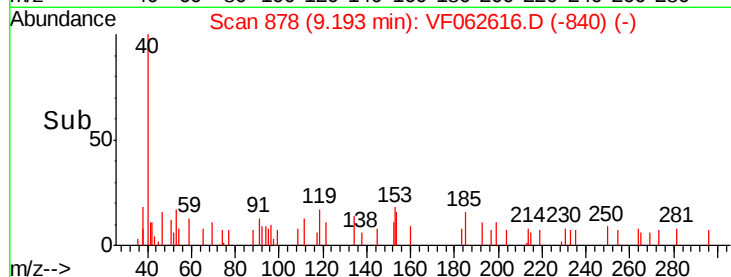
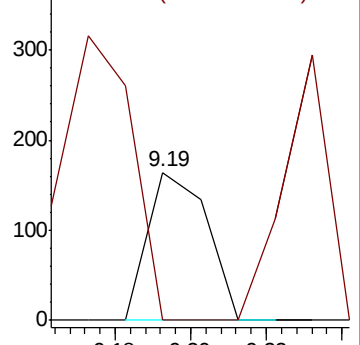
76 100

78 0.0 26.4 39.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 697.997 ug/l

RT: 7.65 min Scan# 722

Delta R.T. 0.18 min

Lab File: VF062616.D

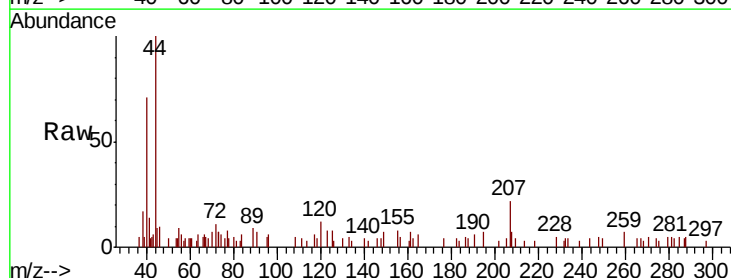
Acq: 15 May 2019 18:41

Tgt Ion: 63 Resp: 302

Ion Ratio Lower Upper

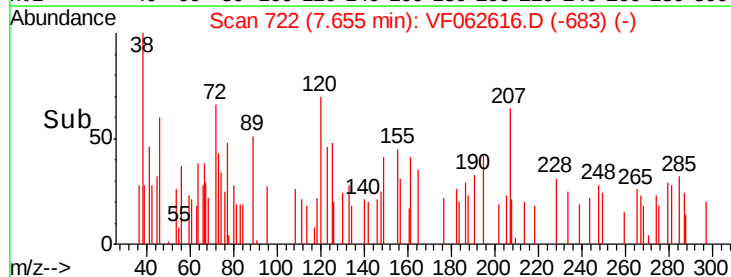
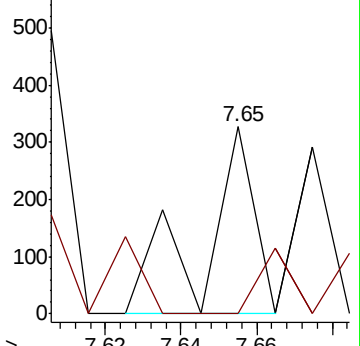
63 100

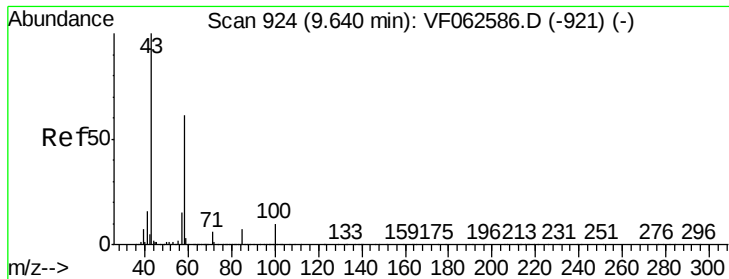
106 0.0 18.0 27.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

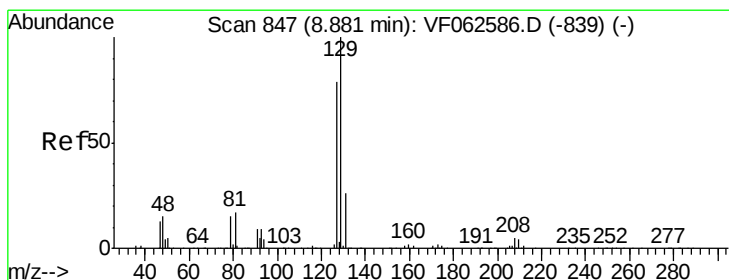
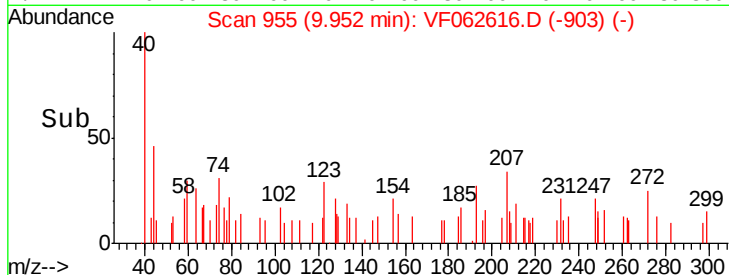
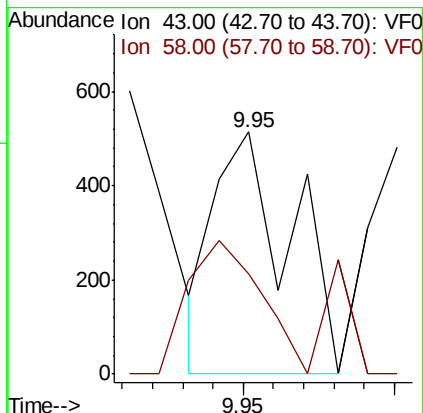
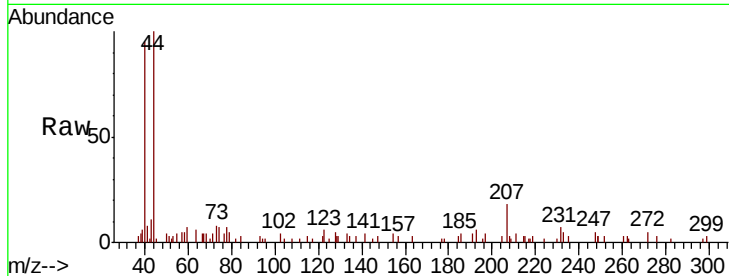




#59
2-Hexanone
Concen: 1303.355 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.31 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

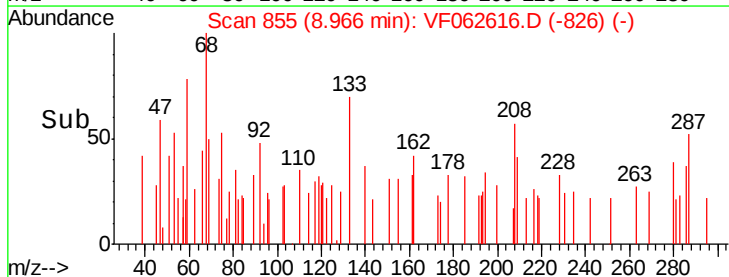
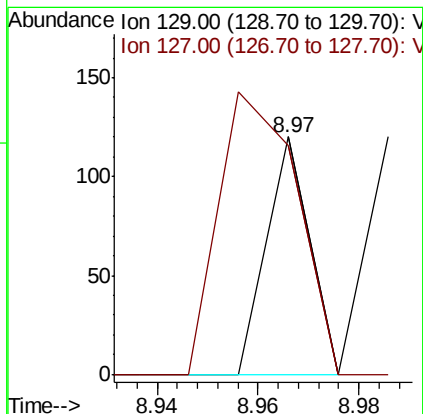
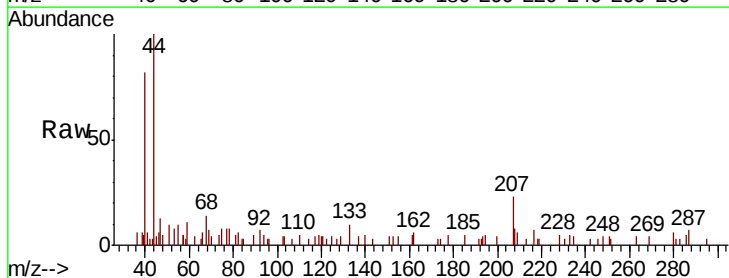
Instrument :
MSVOA_F
ClientSampleId :

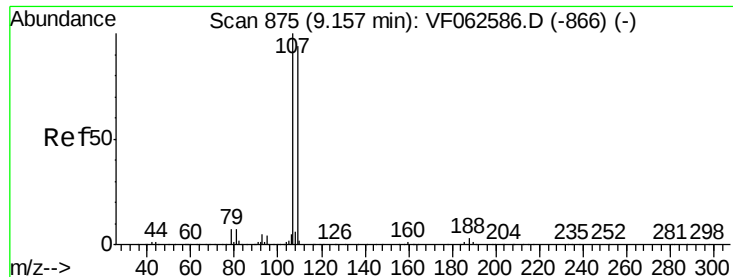
Tot Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 41.6 28.7 86.3



#60
Dibromochloromethane
Concen: 44.292 ug/l
RT: 8.97 min Scan# 855
Delta R.T. 0.09 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion: 129 Resp: 71
Ion Ratio Lower Upper
129 100
127 96.7 39.3 117.9





#61

1,2-Dibromoethane

Concen: 50.577 ug/l

RT: 9.35 min Scan# 894

Delta R.T. 0.19 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

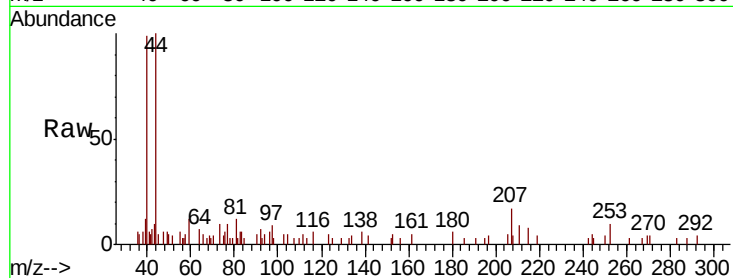
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 107 Resp: 64

Ion Ratio Lower Upper

107 100

109 0.0 74.9 112.3#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150

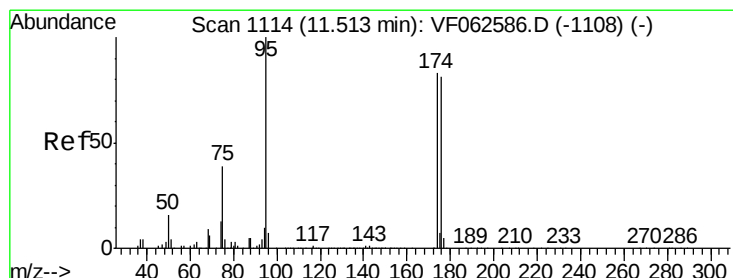
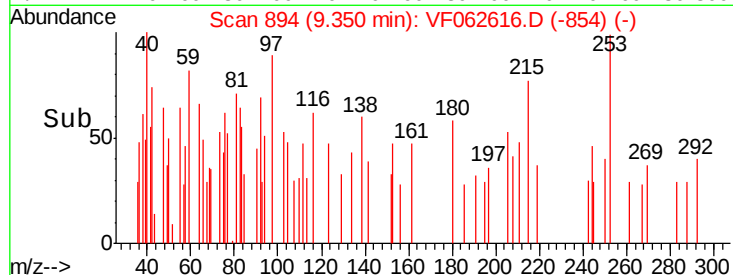
100

50

0

9.34 9.35 9.36

Time-->



#62

4-Bromofluorobenzene

Concen: 121.610 ug/l

RT: 11.75 min Scan# 1137

Delta R.T. 0.23 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

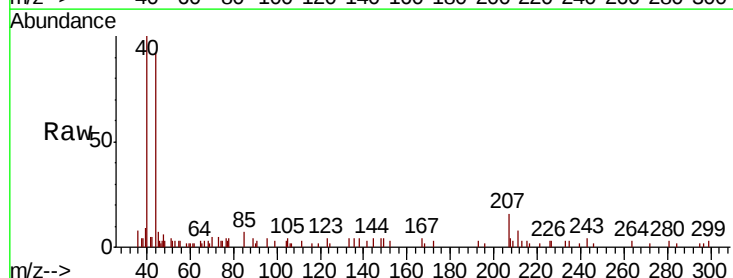
Tgt Ion: 95 Resp: 254

Ion Ratio Lower Upper

95 100

174 0.0 0.0 166.6

176 0.0 0.0 161.8



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

250

200

150

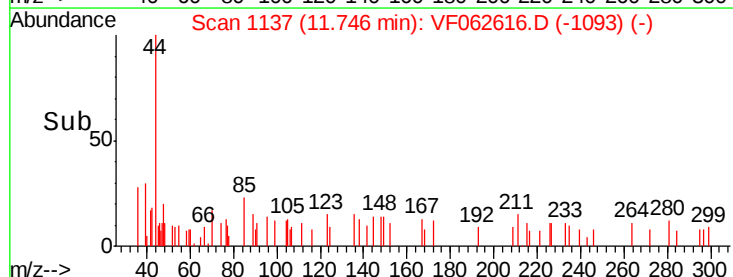
100

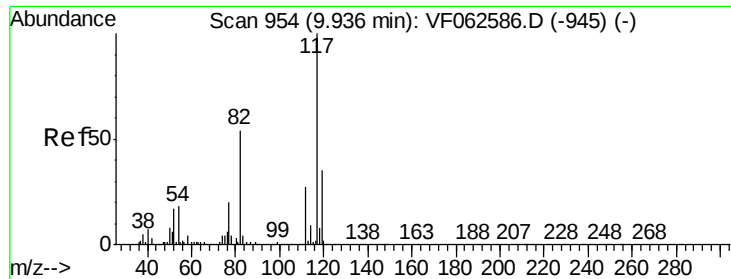
50

0

11.72 11.74 11.76 11.78

Time-->

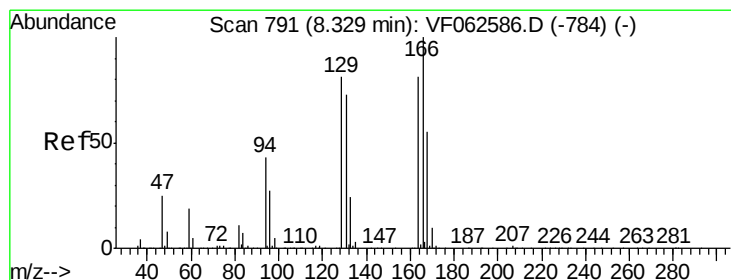
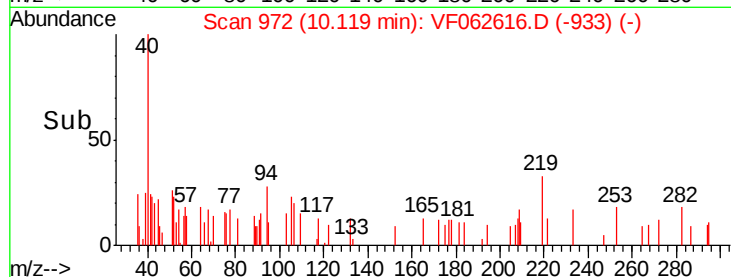
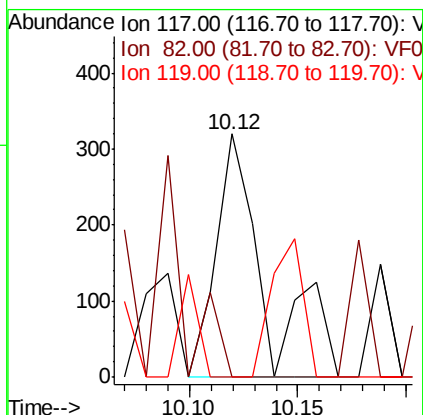
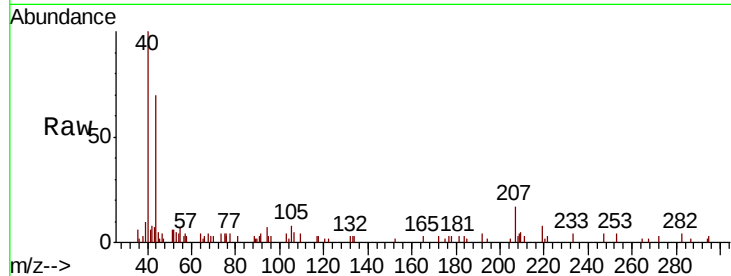




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 972
Delta R.T. 0.18 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

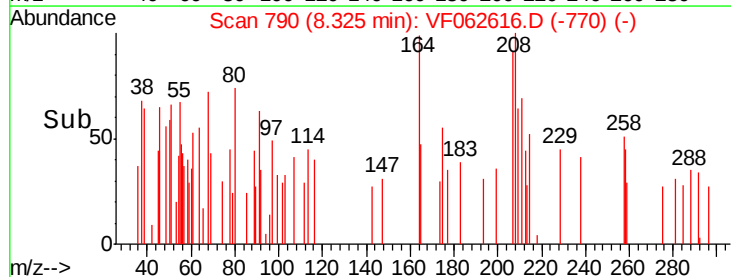
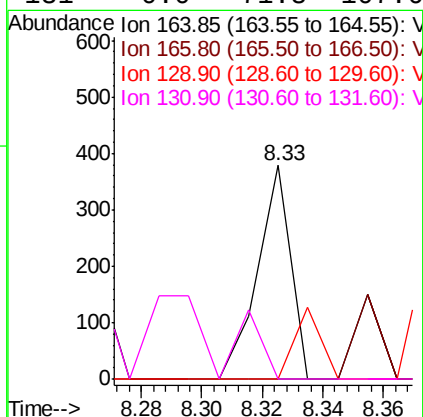
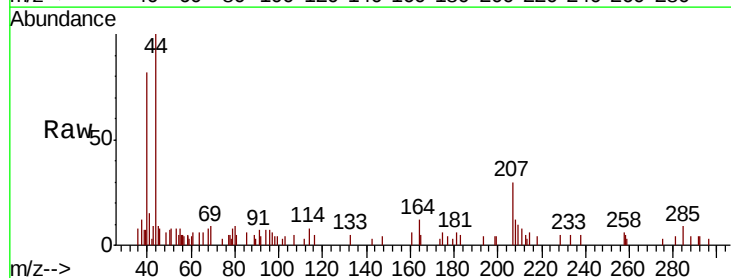
Instrument :
MSVOA_F
ClientSampleId :

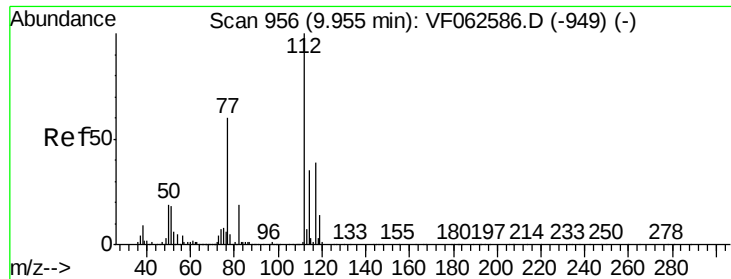
Tot Ion:117 Resp: 509
Ion Ratio Lower Upper
117 100
82 0.0 43.4 65.0#
119 0.0 27.7 41.5#



#64
Tetrachloroethene
Concen: 86.221 ug/l
RT: 8.33 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion:164 Resp: 290
Ion Ratio Lower Upper
164 100
166 0.0 98.6 148.0#
129 0.0 80.2 120.4#
131 0.0 71.8 107.6#

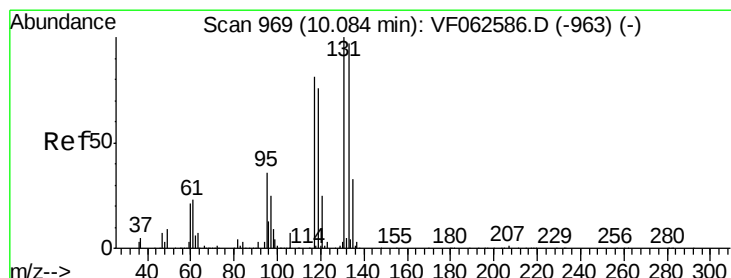
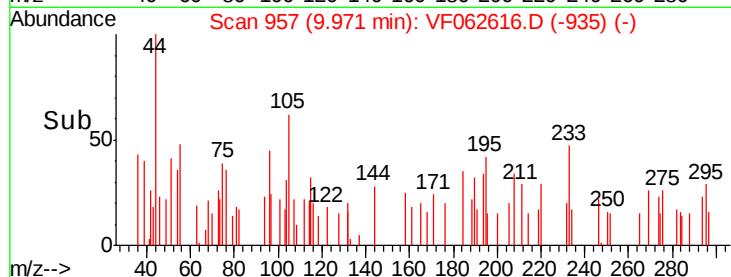
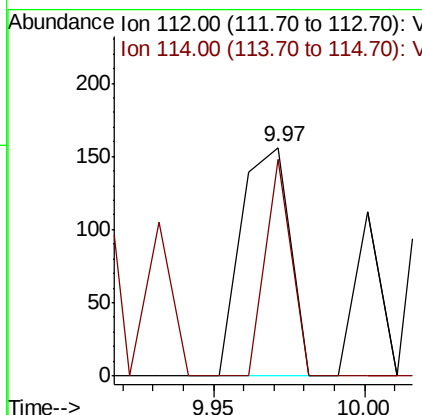
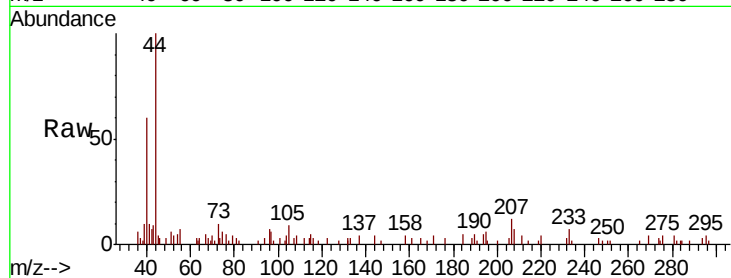




#65
Chlorobenzene
Concen: 19.663 ug/l
RT: 9.97 min Scan# 957
Delta R.T. 0.02 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

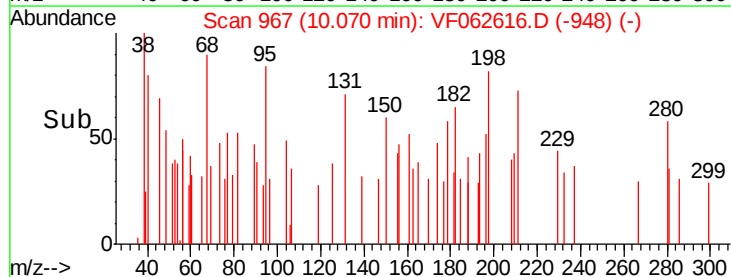
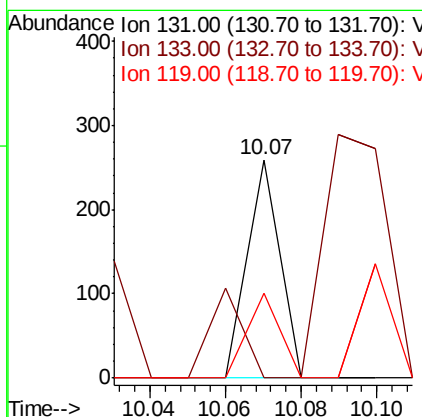
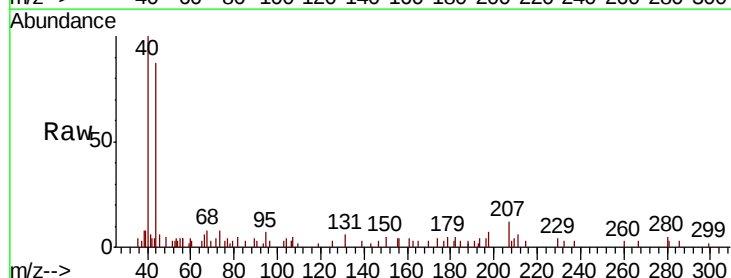
Instrument :
MSVOA_F
ClientSampled :

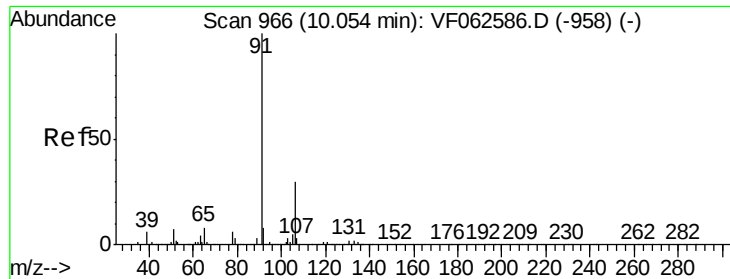
Tot Ion:112 Resp: 174
Ion Ratio Lower Upper
112 100
114 94.9 27.9 41.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 42.095 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion:131 Resp: 153
Ion Ratio Lower Upper
131 100
133 0.0 48.4 145.3#
119 38.6 38.5 115.5





#67

Ethyl Benzene

Concen: 19.654 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

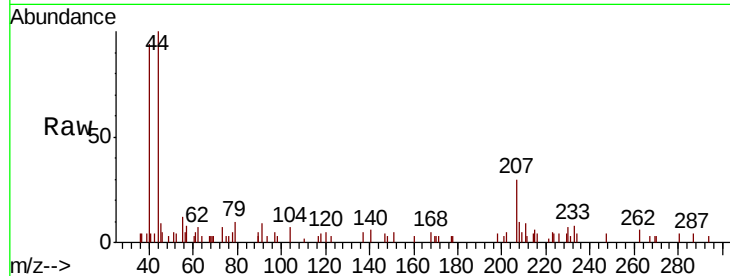
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 309

Ion Ratio Lower Upper

91 100

106 0.0 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

400

300

200

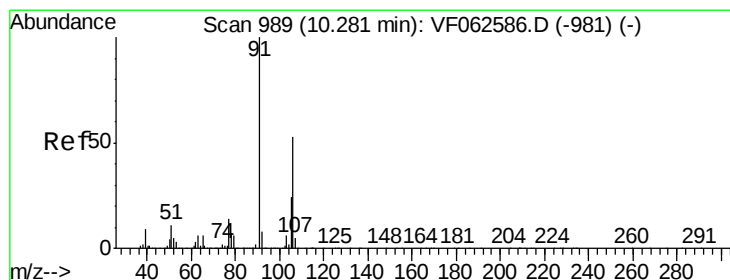
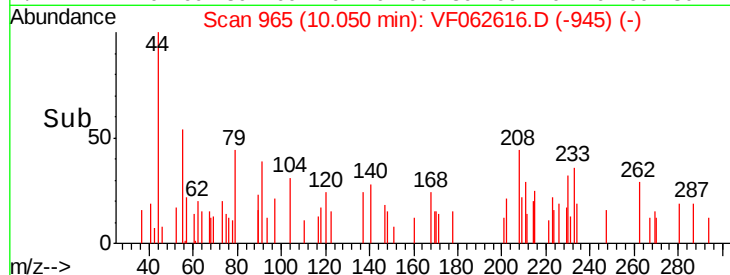
100

0

10.00

10.05

Time-->



#68

m/p-Xylenes

Concen: 16.330 ug/l

RT: 10.30 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF062616.D

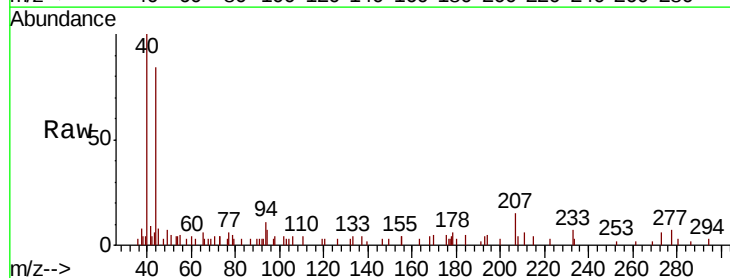
Acq: 15 May 2019 18:41

Tgt Ion: 106 Resp: 91

Ion Ratio Lower Upper

106 100

91 0.0 150.5 225.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200

150

100

50

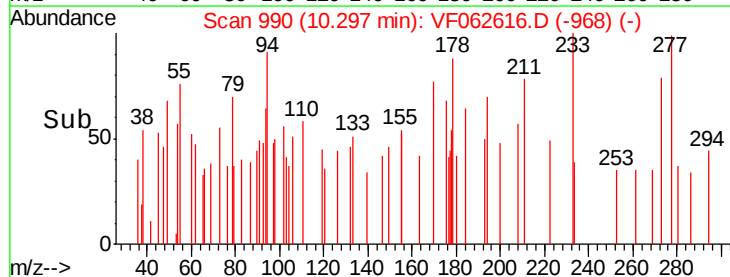
0

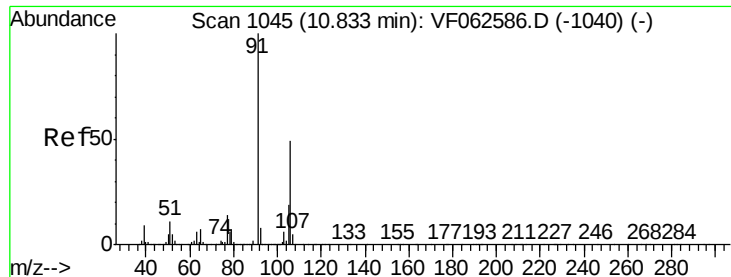
10.28

10.30

10.32

Time-->

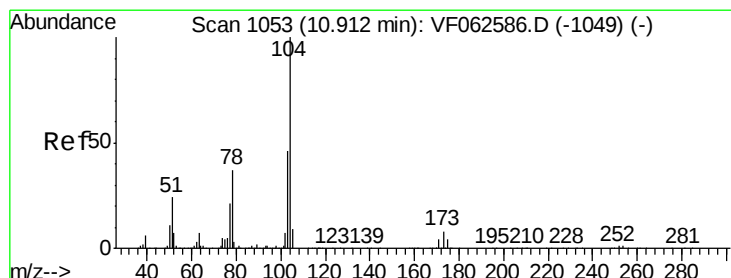
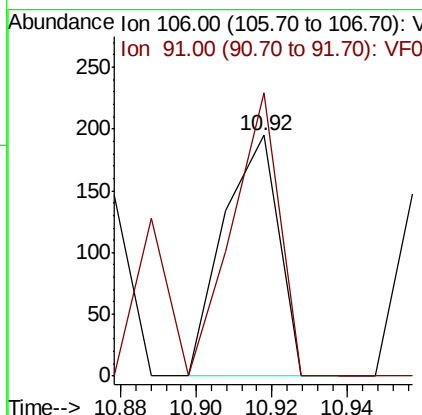
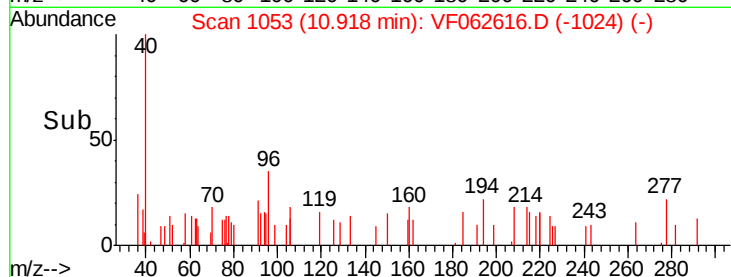
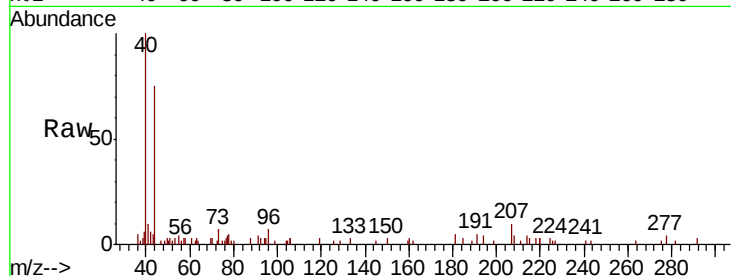




#69
o-Xylene
Concen: 33.358 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.09 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

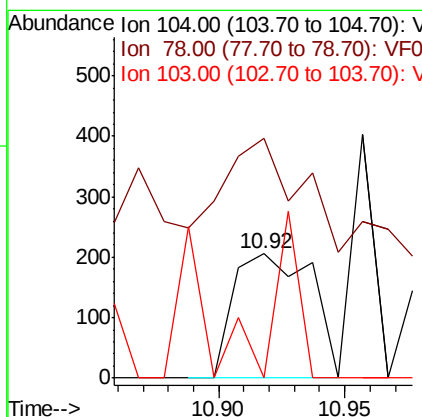
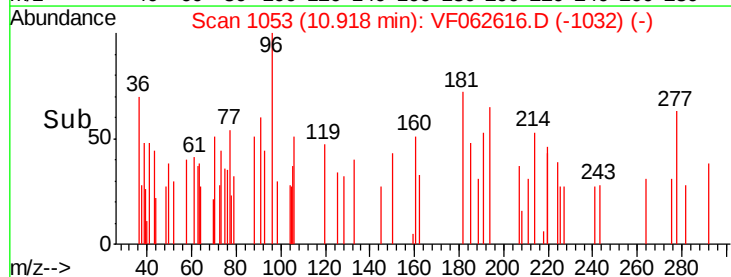
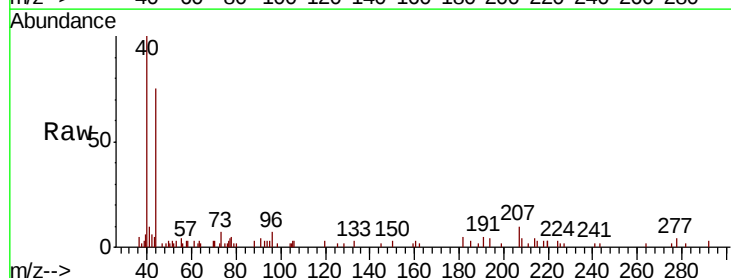
Instrument :
MSVOA_F
ClientSampled :

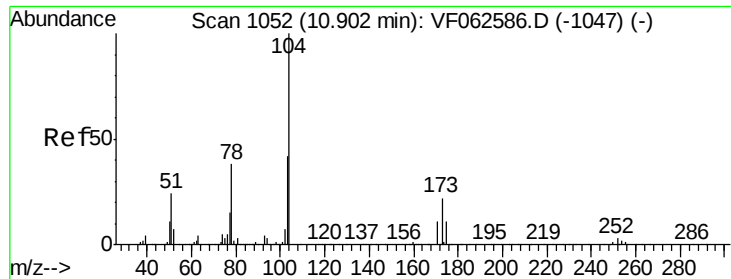
Tot Ion:106 Resp: 195
Ion Ratio Lower Upper
106 100
91 117.4 102.0 305.9



#70
Styrene
Concen: 49.761 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion:104 Resp: 442
Ion Ratio Lower Upper
104 100
78 192.7 30.2 45.2#
103 0.0 37.0 55.6#





#71

Bromoform

Concen: 39.150 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

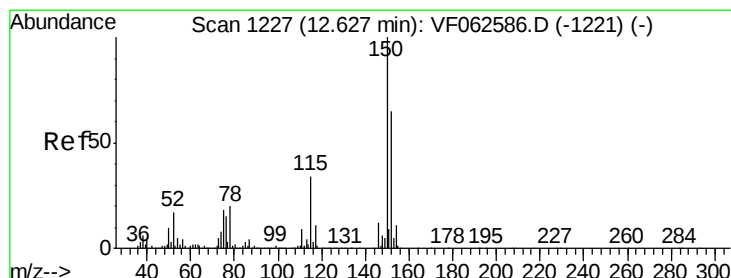
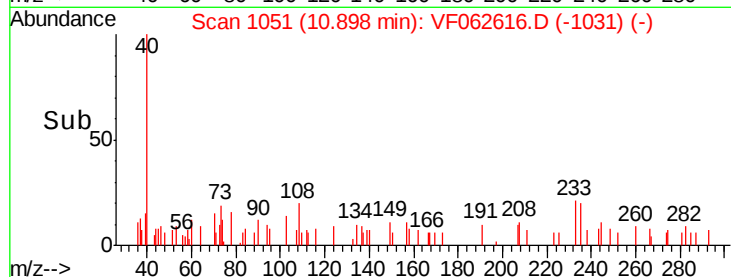
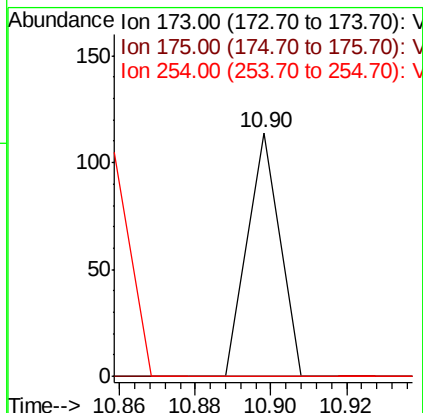
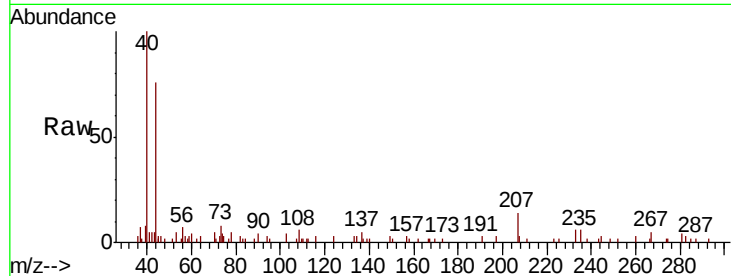
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:173 Resp: 67

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.1	72.3#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

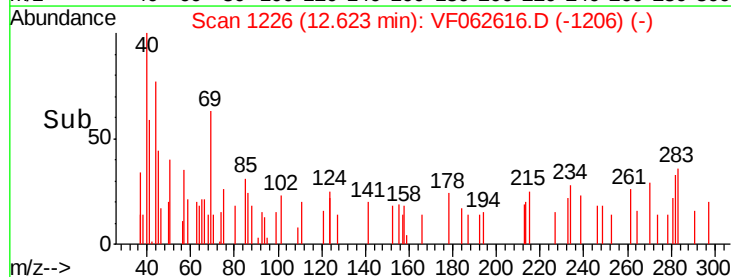
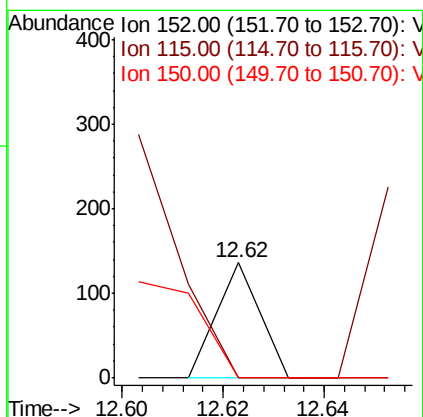
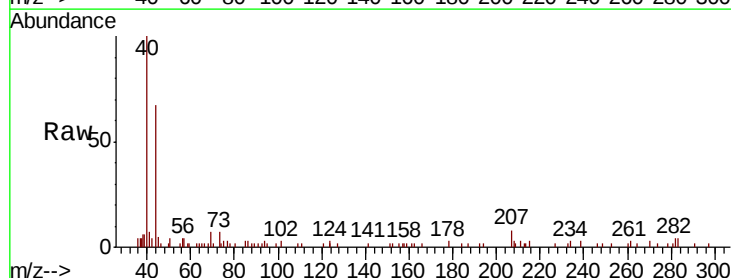
Delta R.T. -0.00 min

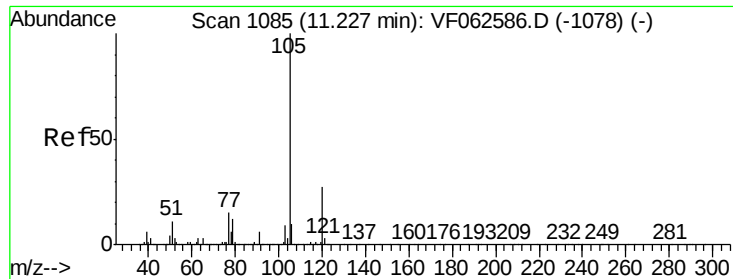
Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:152 Resp: 80

Ion	Ratio	Lower	Upper
152	100		
115	0.0	26.2	78.6#
150	0.0	0.0	316.0





#73

Isopropylbenzene

Concen: 51.683 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

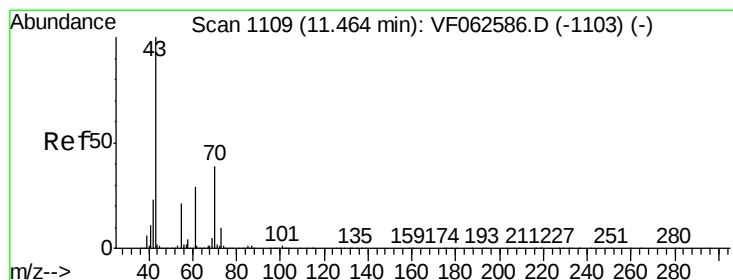
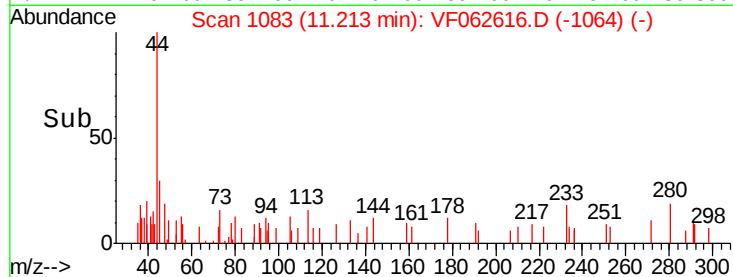
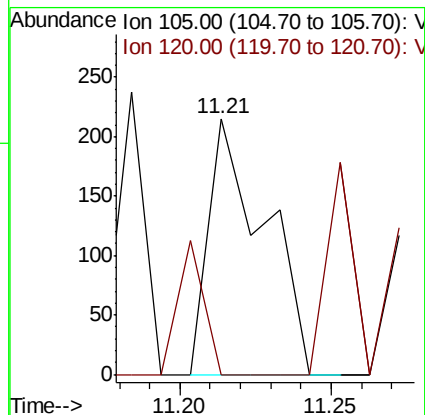
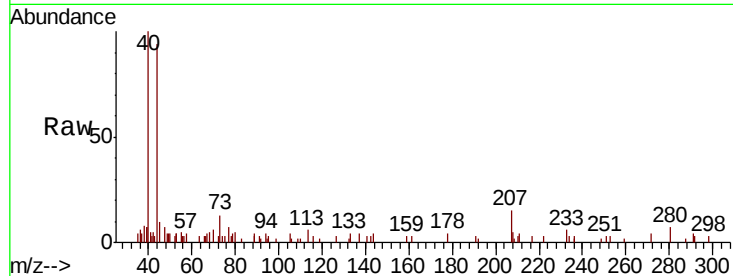
ClientSampleId :

Tot Ion:105 Resp: 278

Ion Ratio Lower Upper

105 100

120 0.0 13.5 40.4#



#74

N-ethyl acetate

Concen: 699.041 ug/l

RT: 11.02 min Scan# 1063

Delta R.T. -0.45 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion: 43 Resp: 913

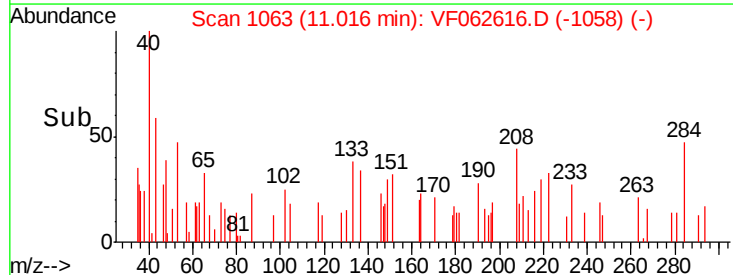
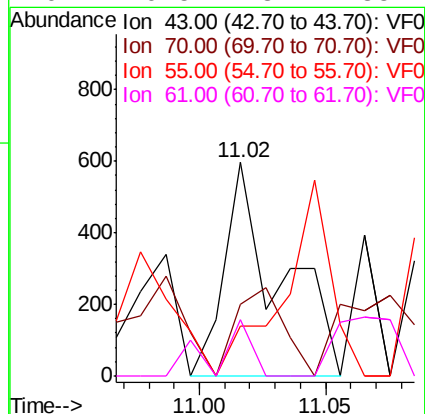
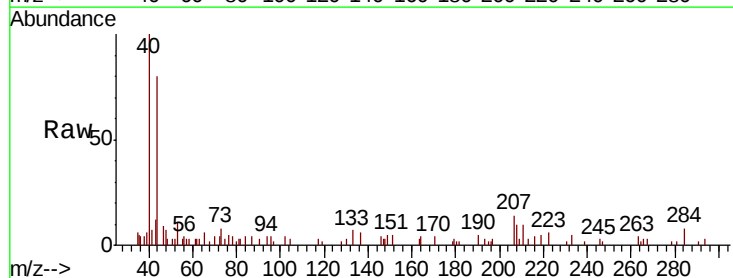
Ion Ratio Lower Upper

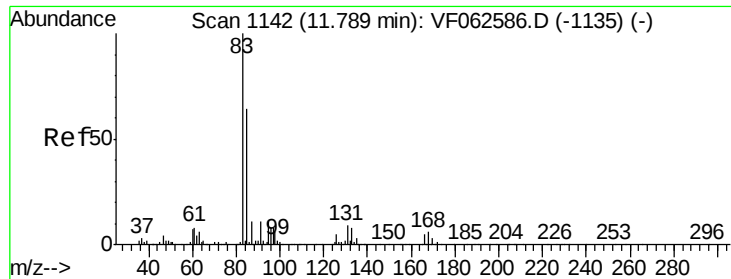
43 100

70 33.5 31.0 46.4

55 23.6 16.7 25.1

61 26.5 23.4 35.2





#75

1,1,2,2-Tetrachloroethane

Concen: 107.082 ug/l

RT: 11.79 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampled :

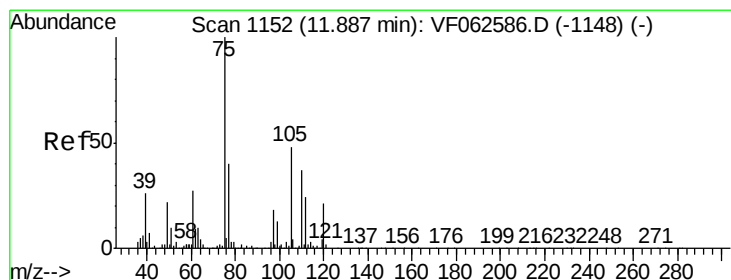
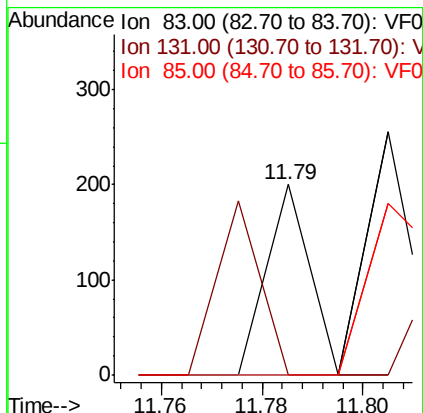
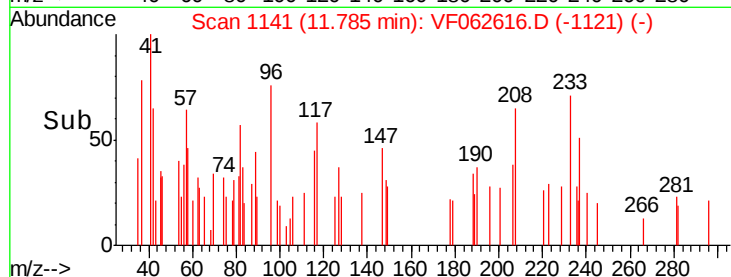
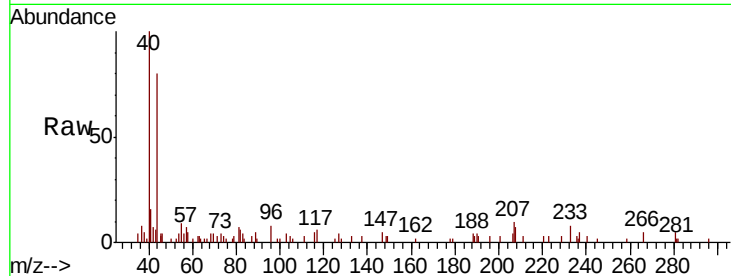
Tot Ion: 83 Resp: 118

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 520.914 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.06 min

Lab File: VF062616.D

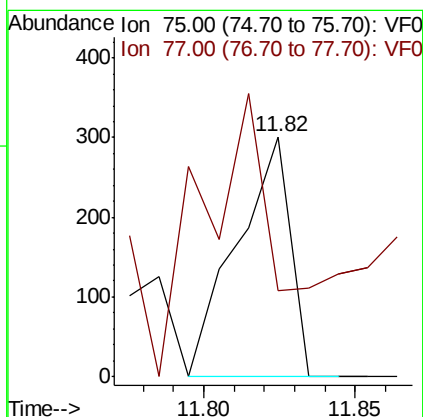
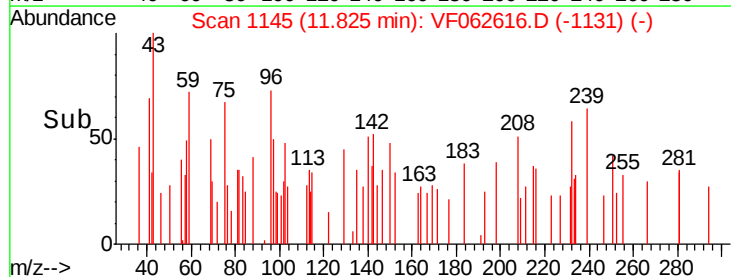
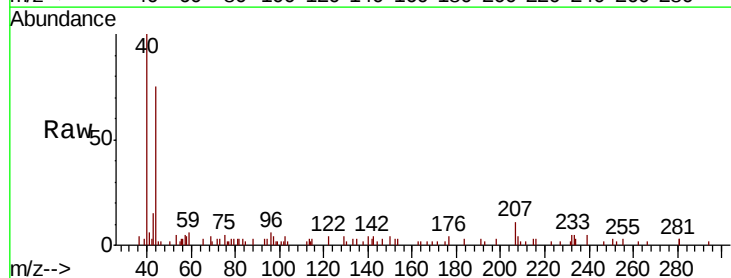
Acq: 15 May 2019 18:41

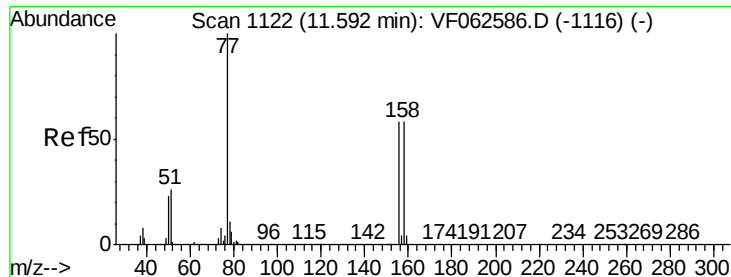
Tgt Ion: 75 Resp: 368

Ion Ratio Lower Upper

75 100

77 35.9 20.4 61.3





#77

Bromobenzene

Concen: 111.061 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampled :

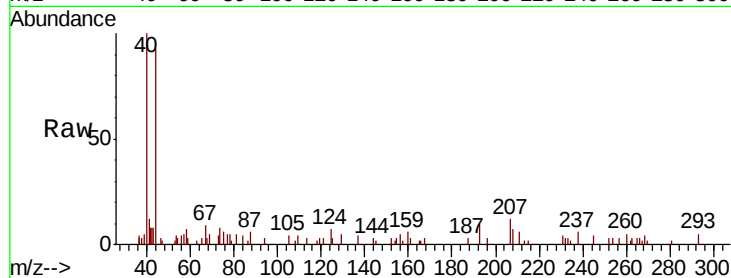
Tot Ion:156 Resp: 135

Ion Ratio Lower Upper

156 100

77 96.9 86.5 259.5

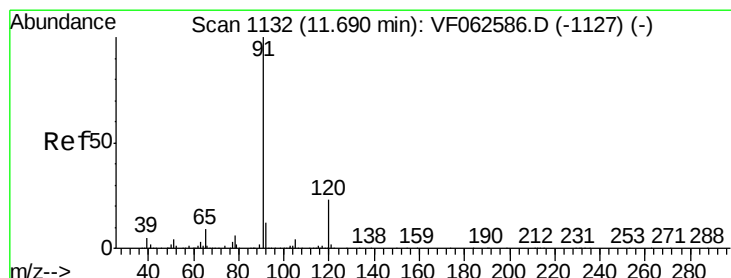
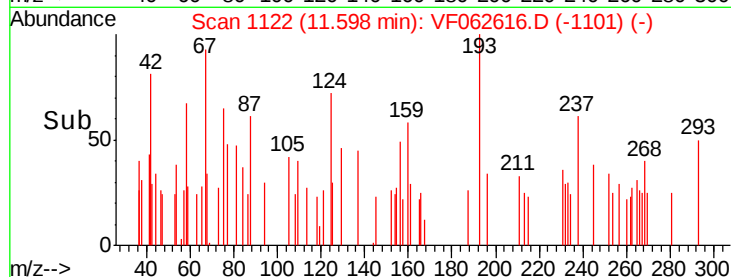
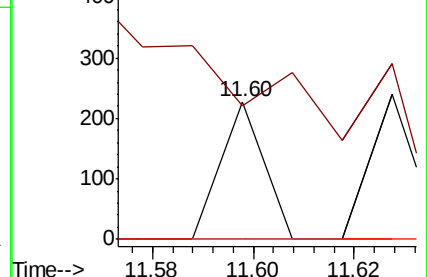
158 0.0 50.3 150.9#



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: 13.442 ug/l

RT: 11.71 min Scan# 1133

Delta R.T. 0.02 min

Lab File: VF062616.D

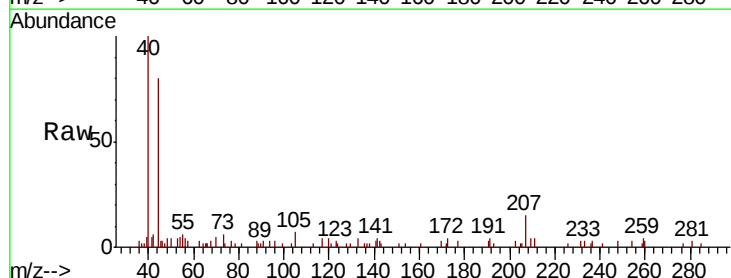
Acq: 15 May 2019 18:41

Tgt Ion: 91 Resp: 86

Ion Ratio Lower Upper

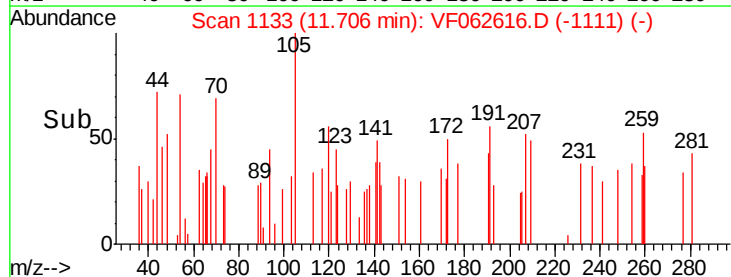
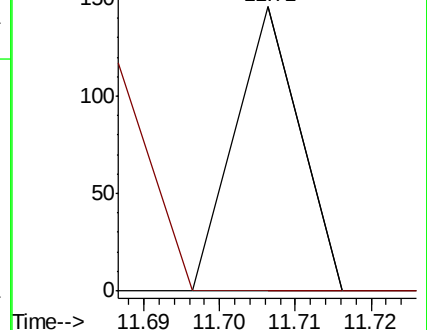
91 100

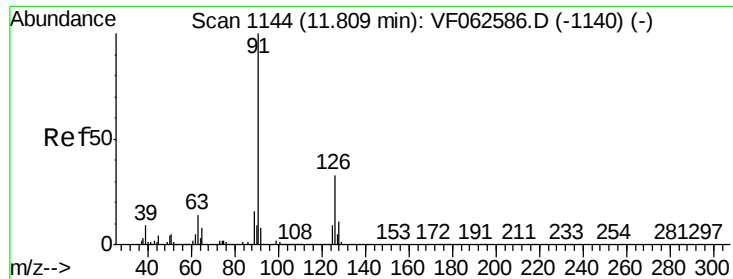
120 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

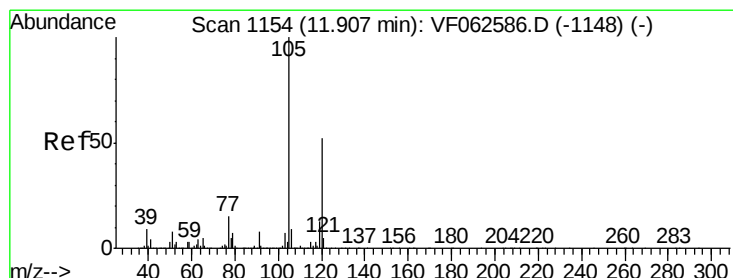
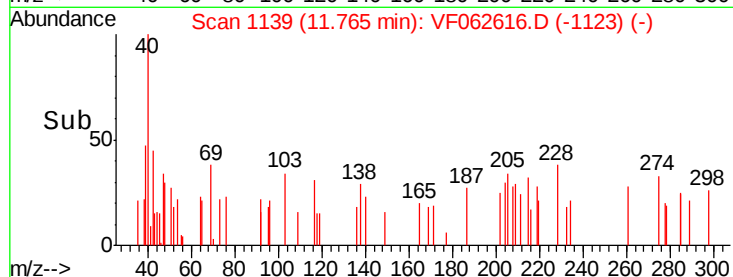
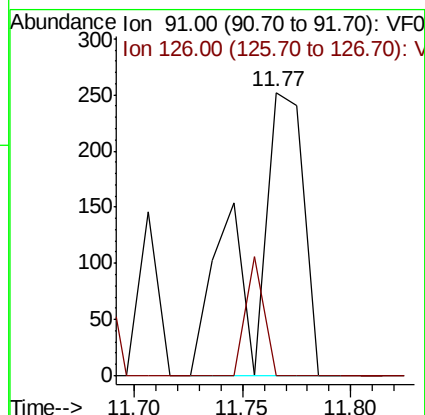
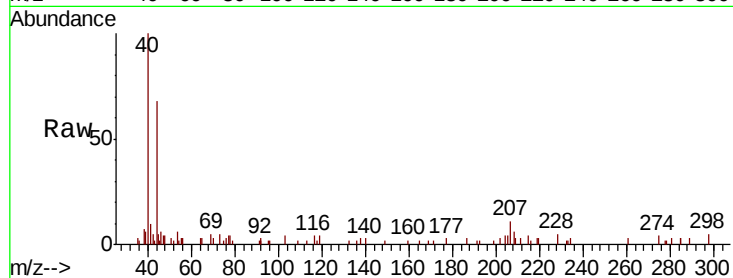




#79
 2-Chlorotoluene
 Concen: 125.463 ug/l
 RT: 11.77 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

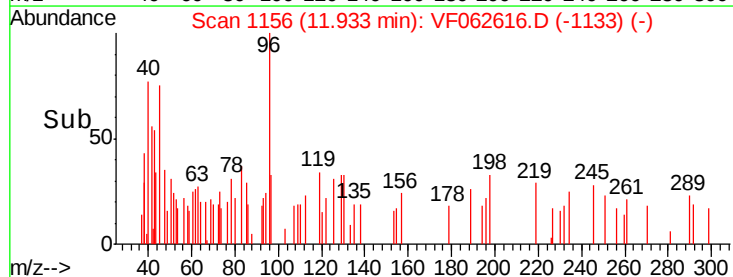
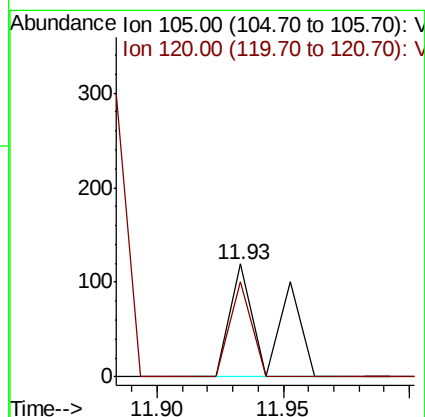
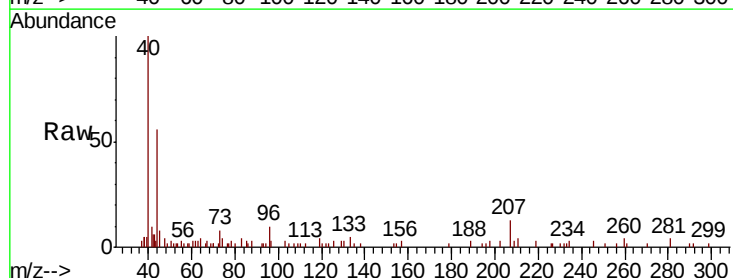
Instrument :
 MSVOA_F
 ClientSampleId :

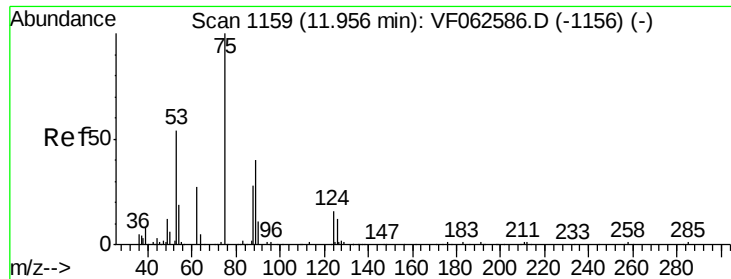
Tot Ion: 91 Resp: 443
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 30.875 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.03 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Tgt Ion:105 Resp: 130
 Ion Ratio Lower Upper
 105 100
 120 84.0 25.9 77.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 637.641 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampleId :

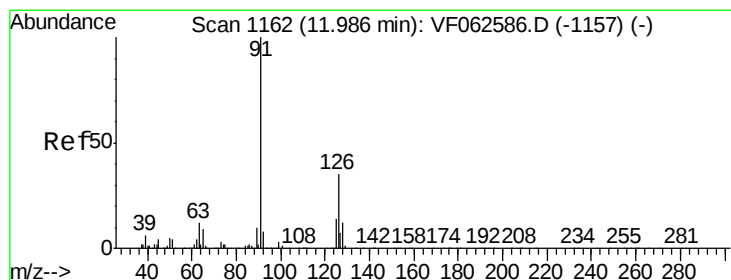
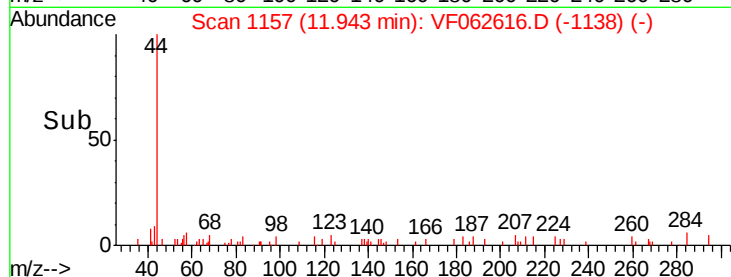
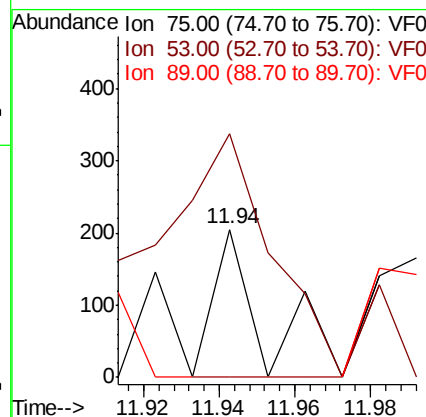
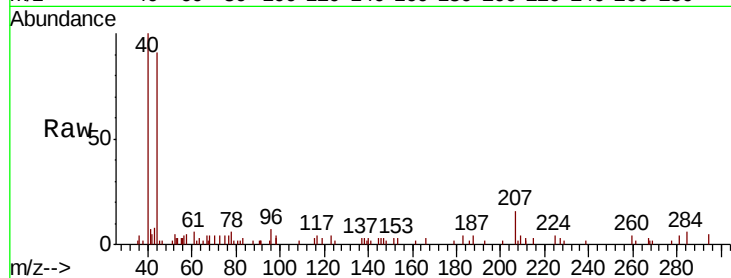
Tot Ion: 75 Resp: 192

Ion Ratio Lower Upper

75 100

53 164.4 46.6 70.0#

89 0.0 33.8 50.8#



#82

4-Chlorotoluene

Concen: 131.789 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VF062616.D

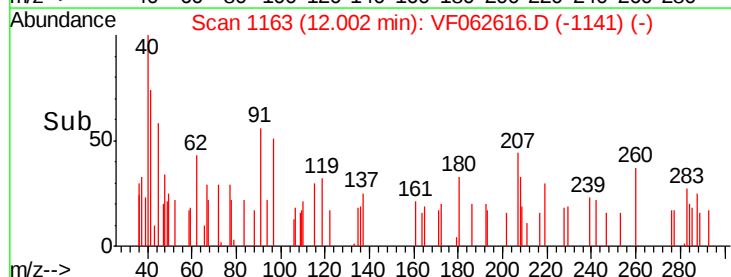
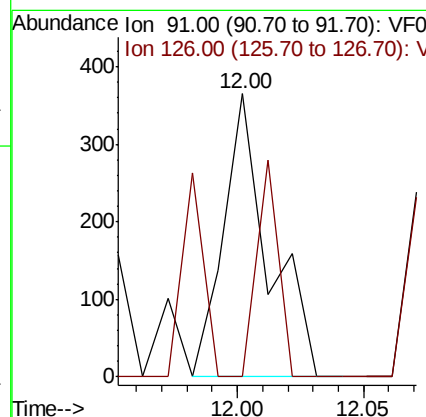
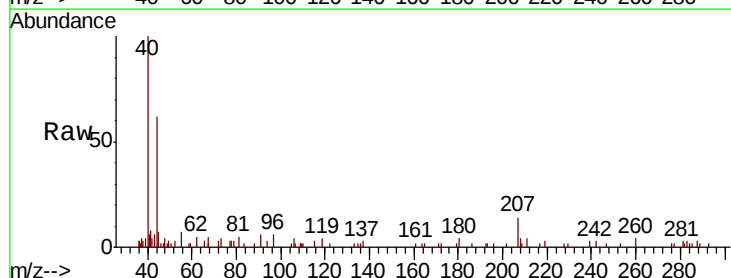
Acq: 15 May 2019 18:41

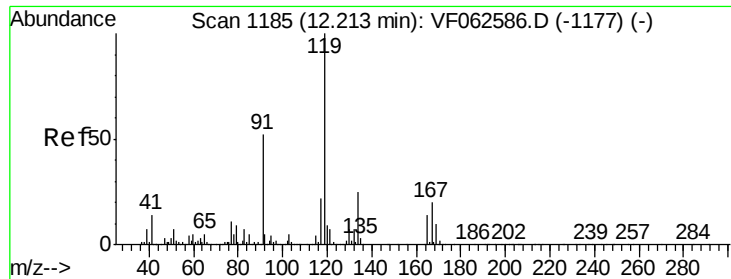
Tgt Ion: 91 Resp: 455

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#





#83

tert-Butylbenzene

Concen: 35.647 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062616.D

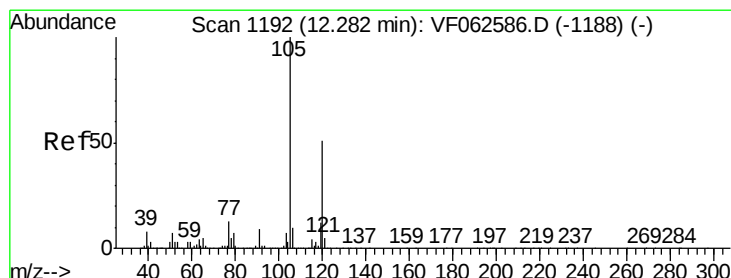
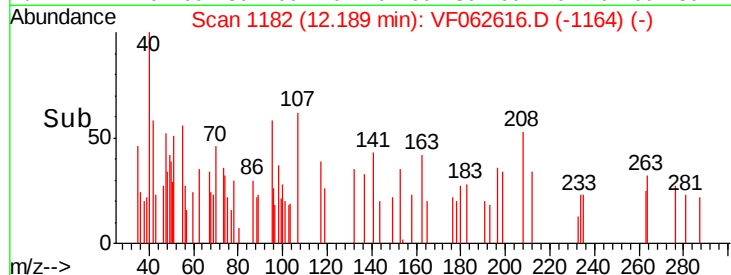
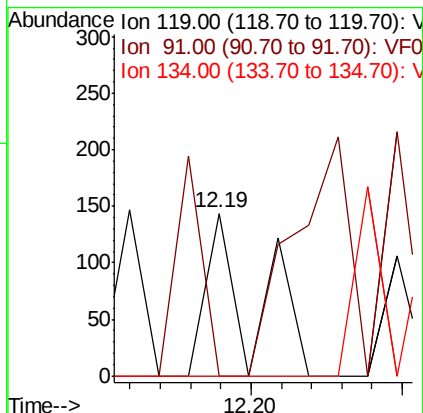
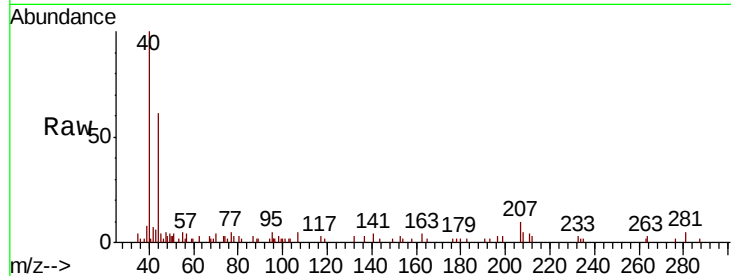
Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	119	Resp:	157
Ion	Ratio	Lower	Upper
119	100		
91	0.0	26.0	78.0#
134	0.0	12.6	37.8#



#84

1,2,4-Trimethylbenzene

Concen: 16.199 ug/l

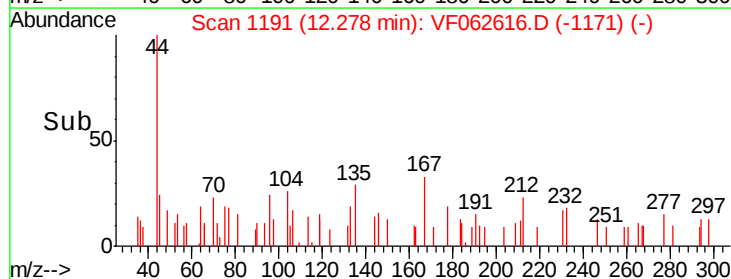
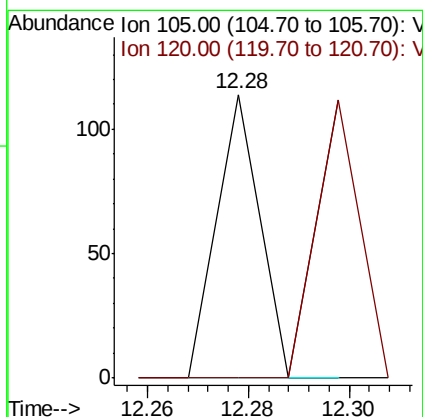
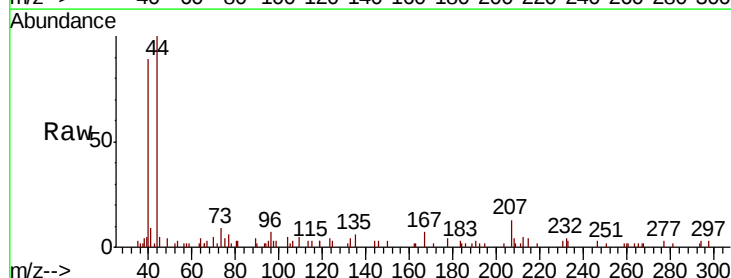
RT: 12.28 min Scan# 1191

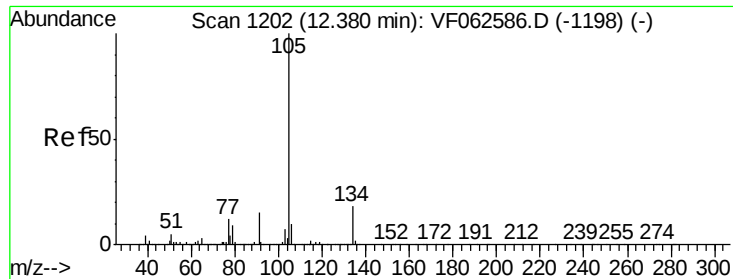
Delta R.T. -0.00 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	105	Resp:	67
Ion	Ratio	Lower	Upper
105	100		
120	0.0	25.4	76.0#

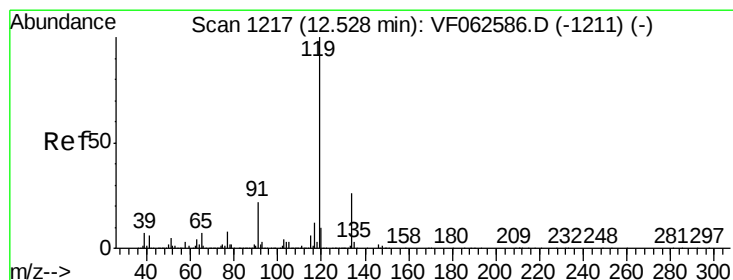
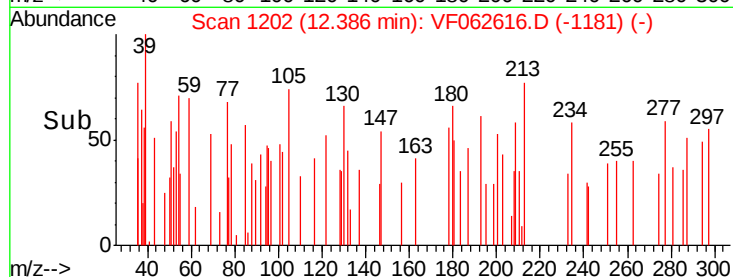
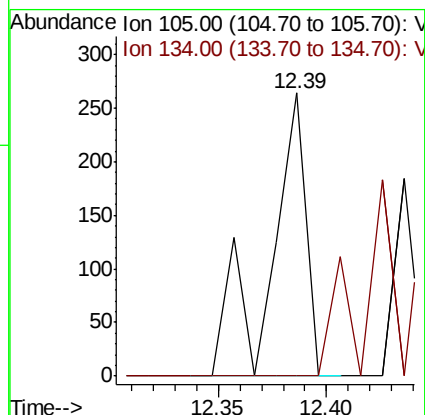
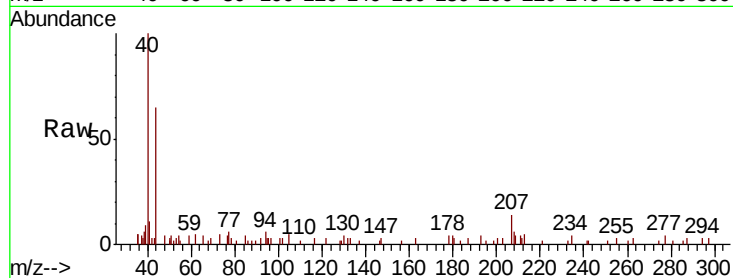




#85
 sec-Butylbenzene
 Concen: 51.174 ug/l
 RT: 12.39 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

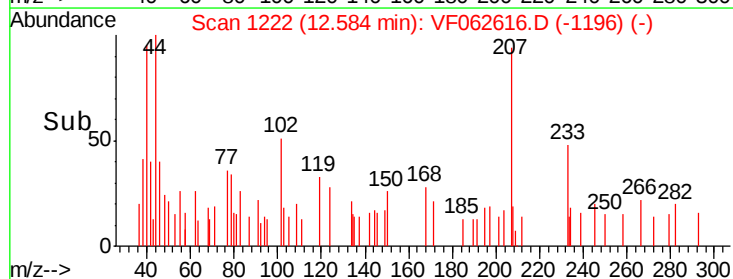
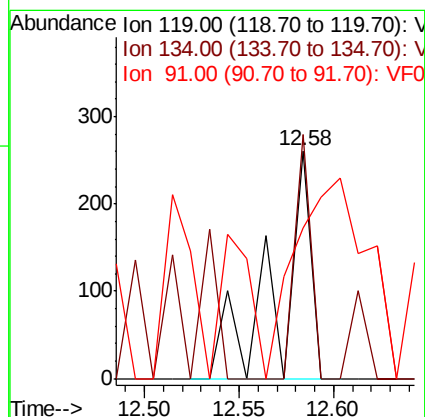
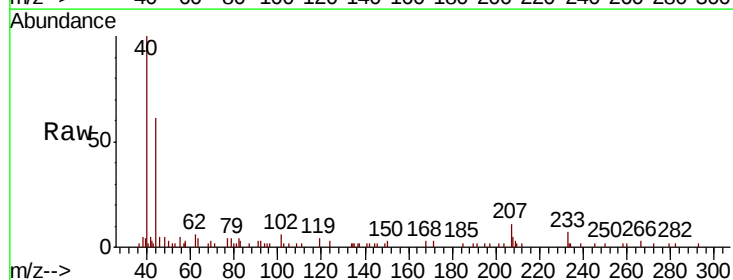
Instrument :
 MSVOA_F
 ClientSampleId :

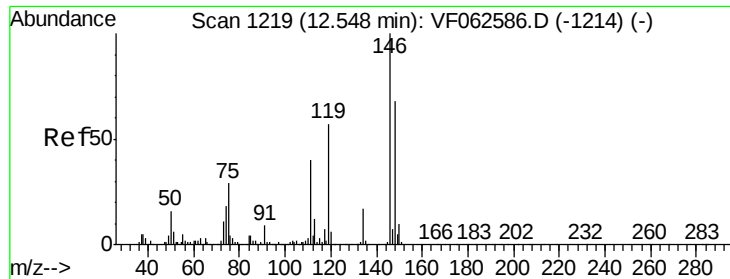
Tot Ion:105 Resp: 306
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.7#



#86
 p-Isopropyltoluene
 Concen: 62.980 ug/l
 RT: 12.58 min Scan# 1222
 Delta R.T. 0.06 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Tgt Ion:119 Resp: 310
 Ion Ratio Lower Upper
 119 100
 134 106.9 13.0 39.0#
 91 66.3 10.9 32.9#

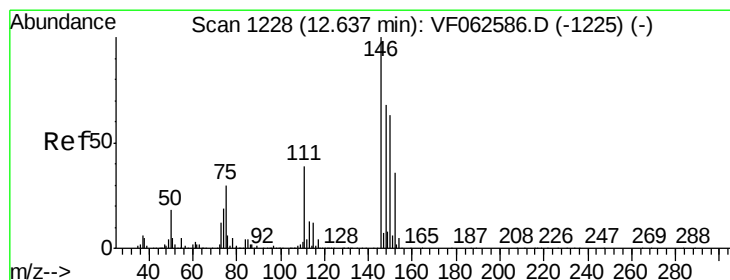
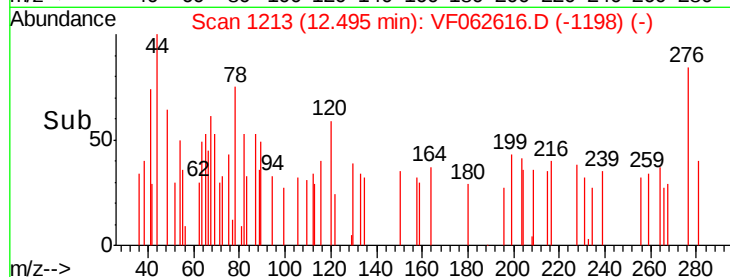
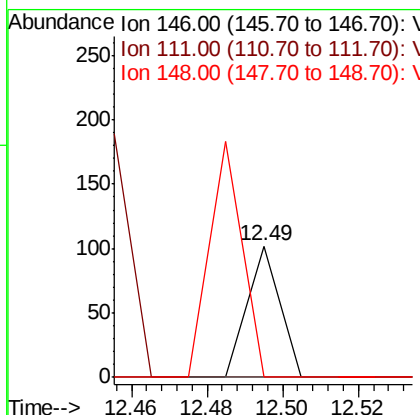
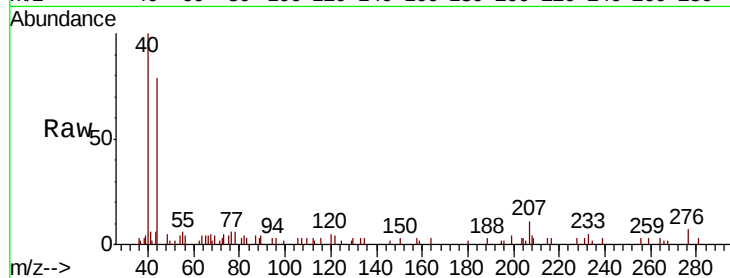




#87
 1,3-Dichlorobenzene
 Concen: 25.237 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. -0.05 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

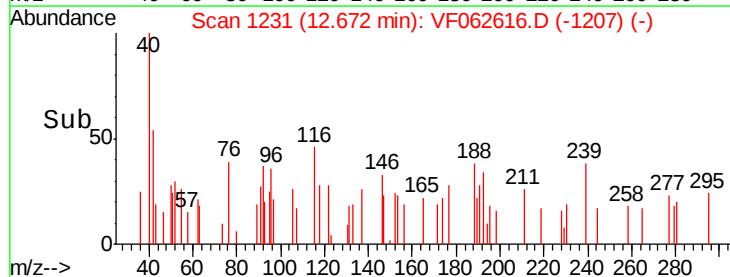
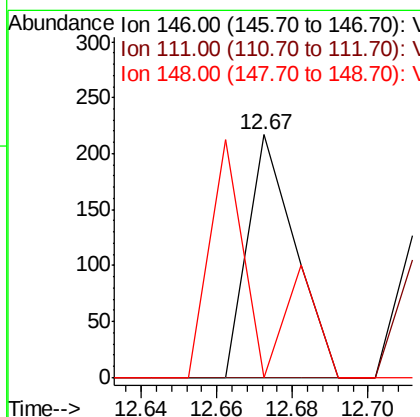
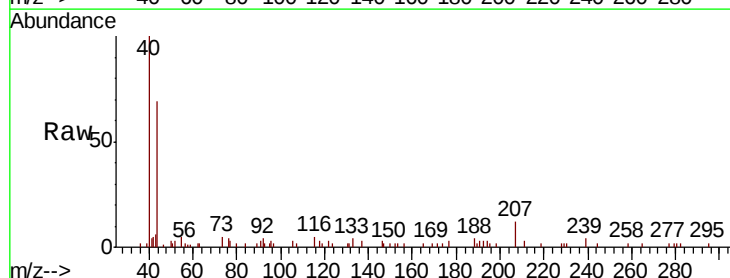
Instrument :
 MSVOA_F
 ClientSampled :

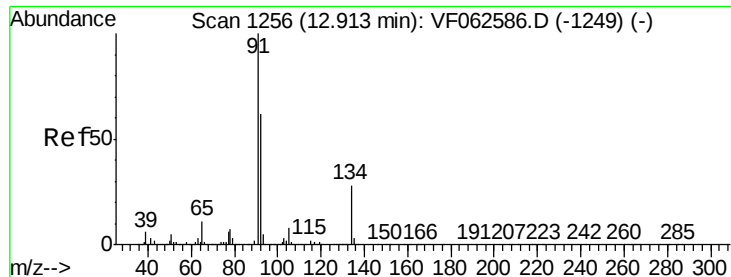
Tot Ion:146 Resp: 60
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.1 60.2#
 148 0.0 34.0 101.8#



#88
 1,4-Dichlorobenzene
 Concen: 84.296 ug/l
 RT: 12.67 min Scan# 1231
 Delta R.T. 0.04 min
 Lab File: VF062616.D
 Acq: 15 May 2019 18:41

Tgt Ion:146 Resp: 188
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 0.0 34.2 102.5#





#89

n-Butylbenzene

Concen: 27.742 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampled :

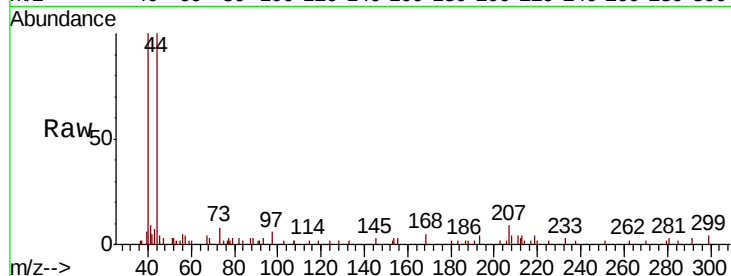
Tot Ion: 91 Resp: 139

Ion Ratio Lower Upper

91 100

92 0.0 30.9 92.8#

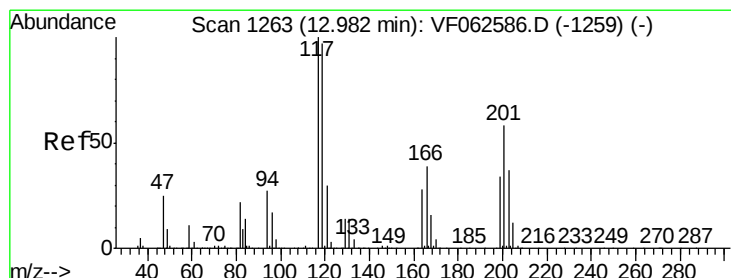
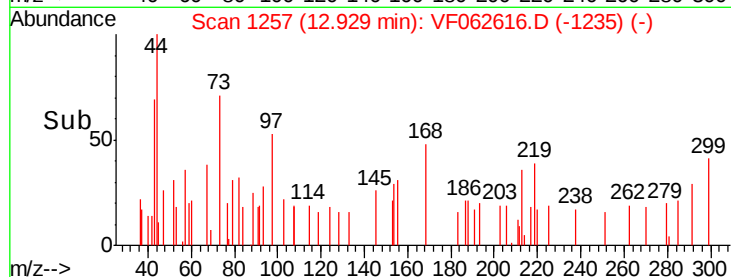
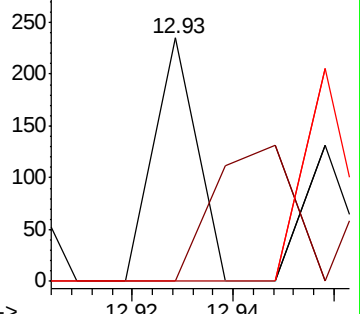
134 0.0 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 351.355 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VF062616.D

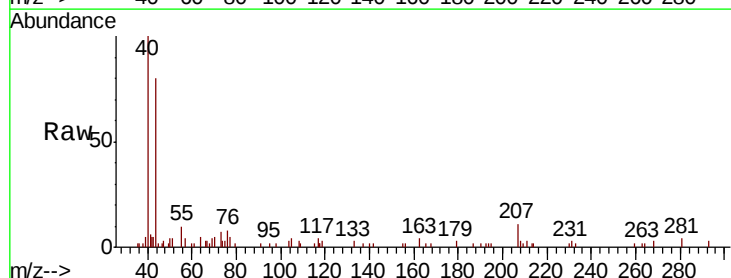
Acq: 15 May 2019 18:41

Tgt Ion: 117 Resp: 443

Ion Ratio Lower Upper

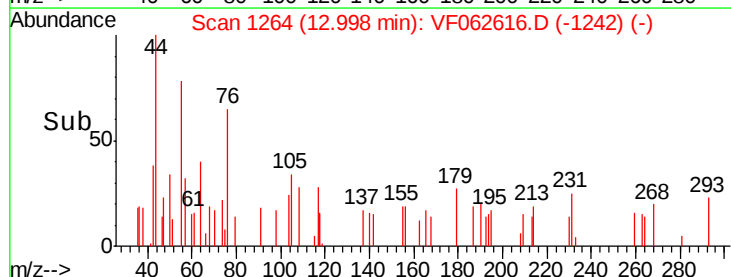
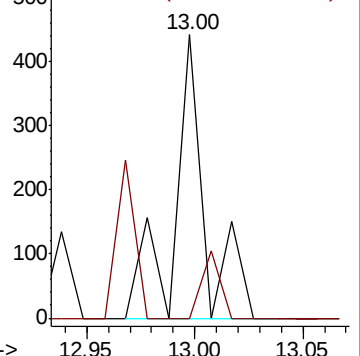
117 100

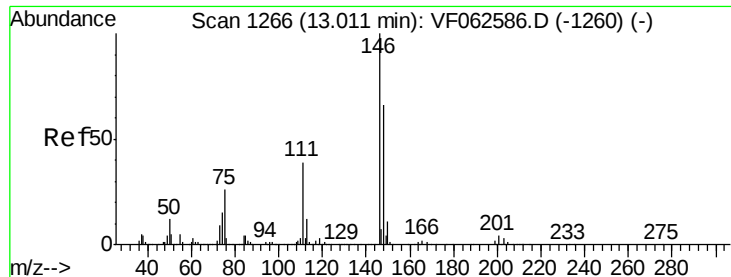
201 0.0 29.7 89.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 43.619 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062616.D

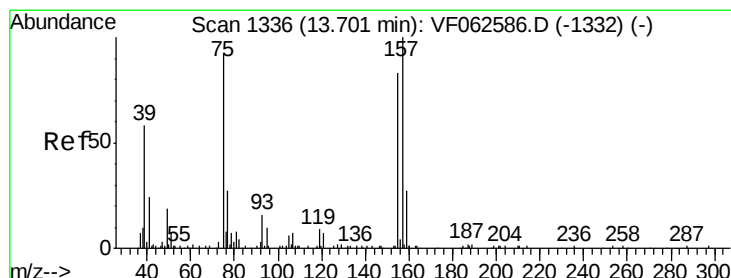
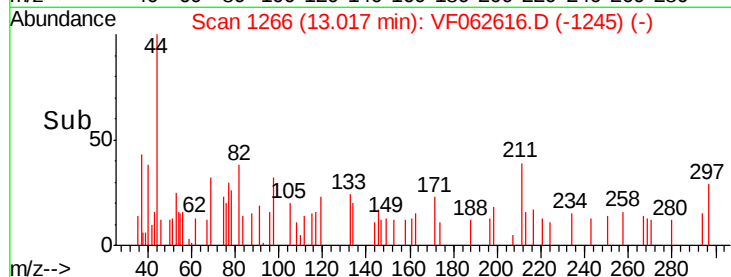
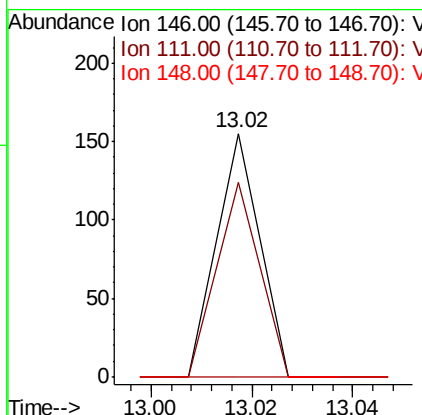
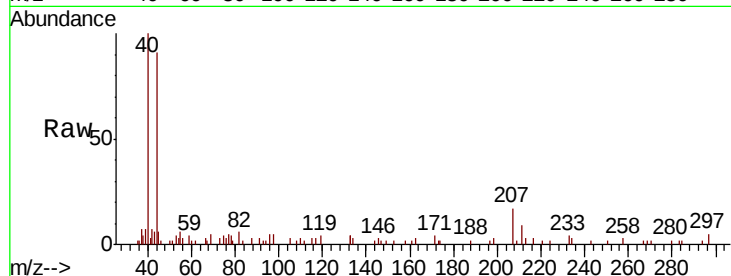
Acq: 15 May 2019 18:41

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	92
Ion	Ratio	Lower	Upper
146	100		
111	46.6	19.4	58.2
148	0.0	33.1	99.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3812.100 ug/l

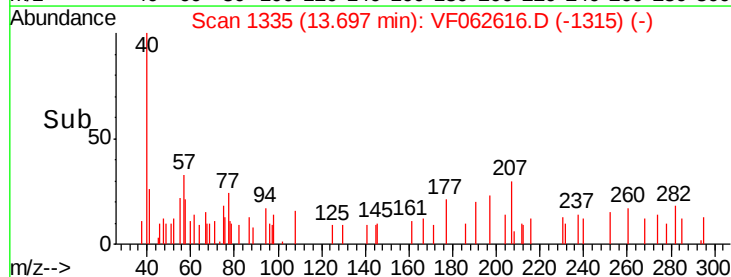
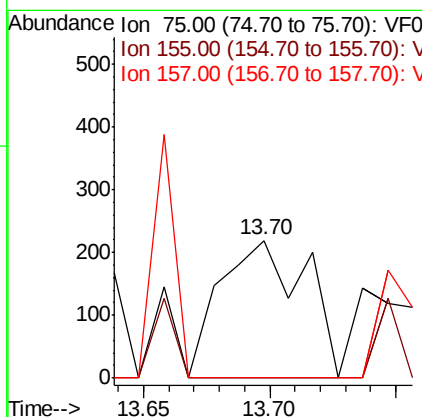
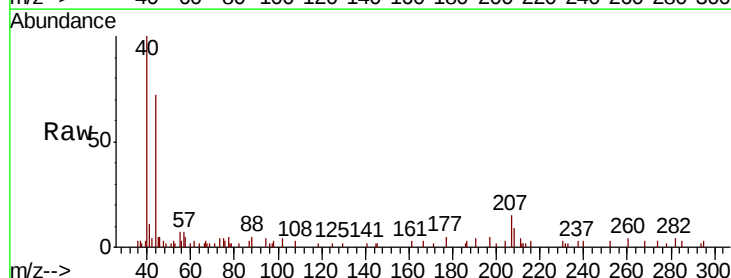
RT: 13.70 min Scan# 1335

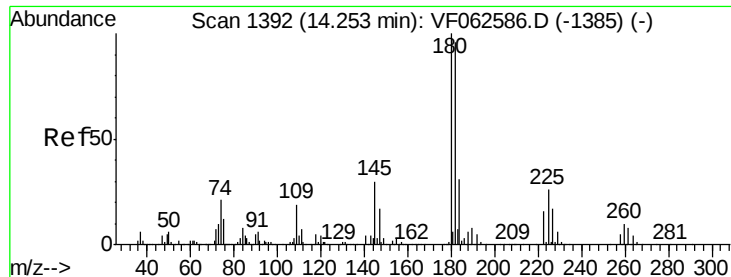
Delta R.T. -0.00 min

Lab File: VF062616.D

Acq: 15 May 2019 18:41

Tgt Ion:	75	Resp:	516
Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.8	134.4#
157	0.0	54.1	162.3#

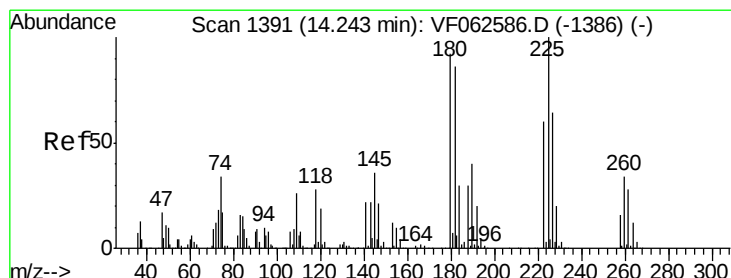
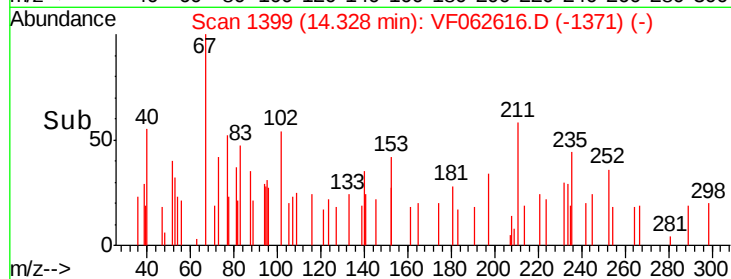
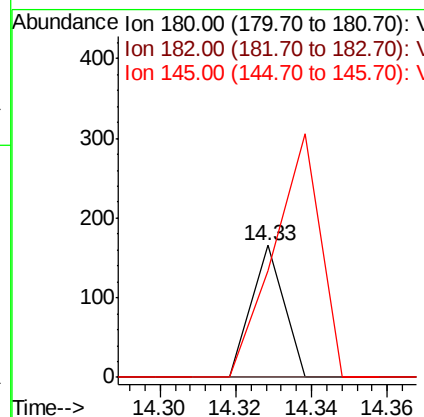
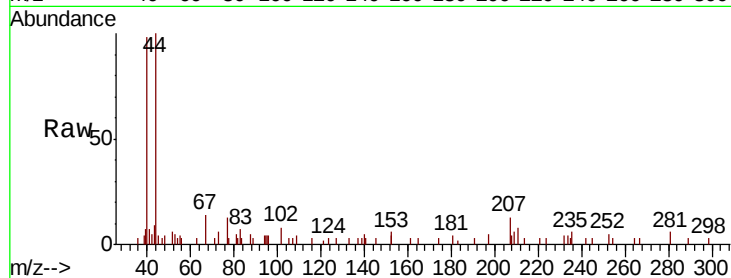




#93
1,2,4-Trichlorobenzene
Concen: 66.817 ug/l
RT: 14.33 min Scan# 1399
Delta R.T. 0.08 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

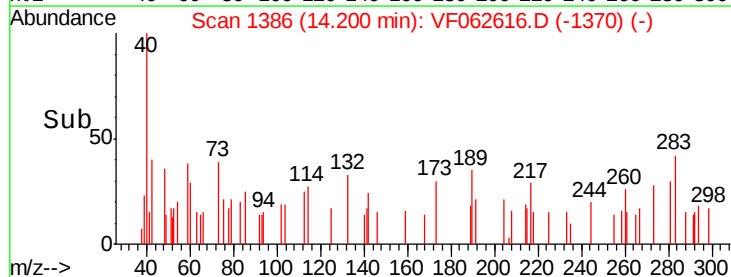
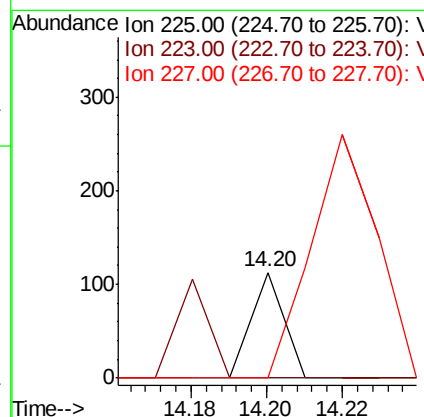
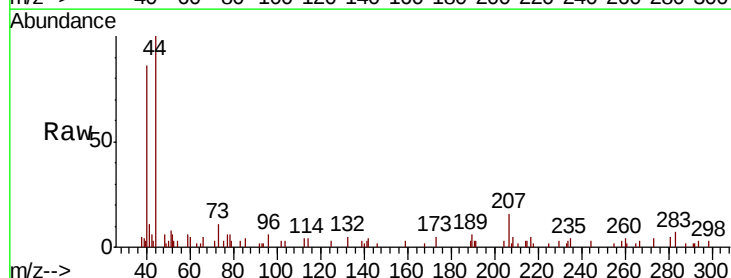
Instrument :
MSVOA_F
ClientSampled :

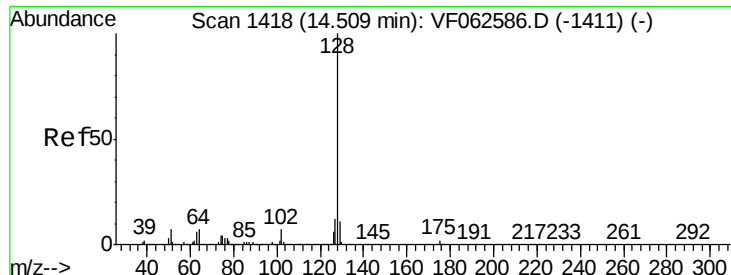
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.8#
145	80.7	14.8	44.4#



#94
Hexachlorobutadiene
Concen: 62.885 ug/l
RT: 14.20 min Scan# 1386
Delta R.T. -0.04 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	29.9	89.7#
227	0.0	31.9	95.9#

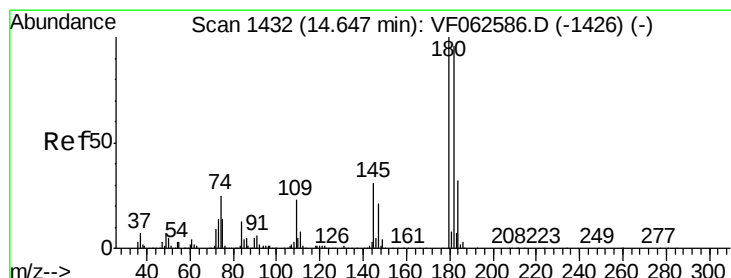
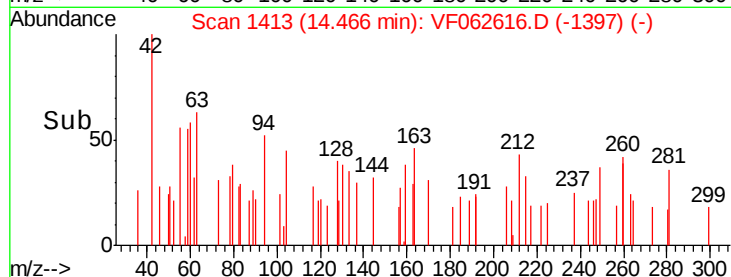
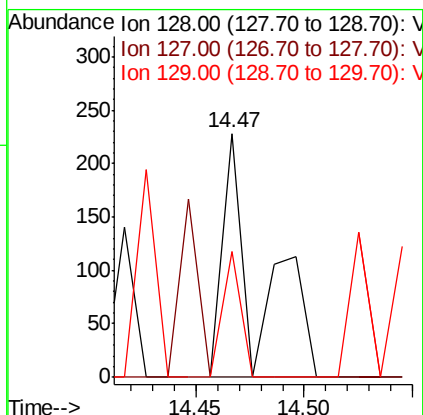
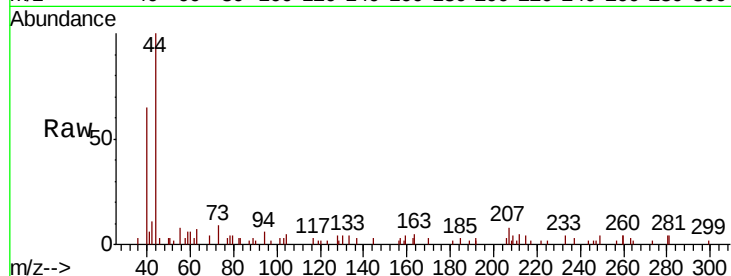




#95
Naphthalene
Concen: 110.587 ug/l
RT: 14.47 min Scan# 1413
Delta R.T. -0.04 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.5	14.3#
129	51.8	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 157.278 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062616.D
Acq: 15 May 2019 18:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	15.6	46.7#

