

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062818.D
 Acq On : 31 May 2019 19:34
 Operator : FY/SY
 Sample : K2641-21
 Misc : 6.33q/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-053119-E

Quant Time: Jun 01 00:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	10556	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.81	114	9179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	3004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	86	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.09	65	1023	14.01	ug/l	0.03
Spiked Amount				50.000		
Recovery						28.02%
35) Dibromofluoromethane	4.32	113	2611	37.64	ug/l	-0.02
Spiked Amount				50.000		
Recovery						75.28%
50) Toluene-d8	7.73	98	3873	22.08	ug/l	0.00
Spiked Amount				50.000		
Recovery						44.16%
62) 4-Bromofluorobenzene	11.49	95	353	5.59	ug/l	-0.02
Spiked Amount				50.000		
Recovery						11.18%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	285	Below Cal		94
3) Chloromethane	1.11	50	530	4.852	ug/l	91
4) Vinyl Chloride	1.21	62	189	1.741	ug/l #	42
5) Bromomethane	1.42	94	452	7.302	ug/l	87
6) Chloroethane	1.45	64	92	2.267	ug/l #	36
7) Trichlorofluoromethane	1.46	101	192	1.250	ug/l	96
8) Diethyl Ether	1.82	74	312	10.321	ug/l	64
10) Methyl Iodide	2.06	142	212	1.094	ug/l #	1
11) Tert butyl alcohol	2.73	59	327	73.949	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	697	7.946	ug/l #	1
13) Acrolein	2.04	56	1052	607.202	ug/l	83
14) Allyl chloride	2.37	41	637	9.360	ug/l	90
15) Acrylonitrile	3.14	53	371	22.328	ug/l #	36
16) Acetone	2.36	43	353	21.129	ug/l #	52
17) Carbon Disulfide	1.94	76	309	1.205	ug/l #	69
18) Methyl Acetate	2.43	43	1622	55.557	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	1444	9.086	ug/l #	1
20) Methylene Chloride	2.36	84	220	Below Cal	#	34
21) trans-1,2-Dichloroethene	2.48	96	821	9.334	ug/l #	1
22) Diisopropyl ether	2.97	45	732	3.786	ug/l #	48
23) Vinyl Acetate	3.37	43	887	6.701	ug/l #	73
24) 1,1-Dichloroethane	3.04	63	306	2.120	ug/l #	88
25) 2-Butanone	4.47	43	1459	37.500	ug/l	100
26) 2,2-Dichloropropane	3.81	77	1040	12.688	ug/l #	50
28) Bromochloromethane	3.95	49	91	1.159	ug/l #	3
29) Tetrahydrofuran	4.10	42	448	30.106	ug/l	93
31) Cyclohexane	3.89	56	1369	7.005	ug/l #	34
32) 1,1,1-Trichloroethane	4.33	97	144	1.216	ug/l #	50
36) 1,1-Dichloropropene	4.50	75	237	2.805	ug/l #	12
37) Ethyl Acetate	4.36	43	936	28.977	ug/l #	38
38) Carbon Tetrachloride	4.21	117	273	4.780	ug/l #	19
39) Methylcyclohexane	5.65	83	1906	18.123	ug/l #	46
40) Benzene	4.84	78	315	1.281	ug/l #	1
41) Methacrylonitrile	4.97	41	884	49.228	ug/l #	50

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062818.D
 Acq On : 31 May 2019 19:34
 Operator : FY/SY
 Sample : K2641-21
 Misc : 6.33q/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-053119-E

Quant Time: Jun 01 00:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.19	62	569	12.165	ug/l	69
43) Isopropyl Acetate	7.12	43	673	15.772	ug/l #	78
44) Trichloroethene	5.72	130	300	4.322	ug/l	3
45) 1,2-Dichloropropane	6.43	63	270	4.375	ug/l #	1
46) Dibromomethane	6.30	93	97	2.692	ug/l #	29
47) Bromodichloromethane	6.61	83	284	3.870	ug/l #	75
48) Methyl methacrylate	6.92	41	737	33.514	ug/l #	29
49) 1,4-Dioxane	6.91	88	230	793.466	ug/l #	36
51) 4-Methyl-2-Pentanone	8.41	43	612	20.089	ug/l #	66
52) Toluene	7.85	92	156	1.178	ug/l #	1
53) t-1,3-Dichloropropene	8.48	75	344	5.657	ug/l	90
54) cis-1,3-Dichloropropene	7.46	75	237	2.693	ug/l #	1
55) 1,1,2-Trichloroethane	8.68	97	213	5.383	ug/l #	65
56) Ethyl methacrylate	8.78	69	1710	40.273	ug/l #	61
57) 1,3-Dichloropropane	9.03	76	205	3.172	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.48	63	121	8.154	ug/l #	51
59) 2-Hexanone	9.50	43	596	27.448	ug/l	66
60) Dibromochloromethane	8.78	129	104	2.123	ug/l	98
61) 1,2-Dibromoethane	9.16	107	410	9.976	ug/l #	46
64) Tetrachloroethene	8.32	164	76	3.292	ug/l #	1
65) Chlorobenzene	9.94	112	136	2.344	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.13	131	172	7.445	ug/l	92
67) Ethyl Benzene	10.06	91	348	3.496	ug/l #	68
68) m/p-Xylenes	10.28	106	150	3.938	ug/l	91
69) o-Xylene	10.77	106	60	1.556	ug/l	46
70) Styrene	10.91	104	169	2.973	ug/l #	34
71) Bromoform	10.88	173	79	7.128	ug/l #	28
73) Isopropylbenzene	11.24	105	165	27.497	ug/l #	44
74) N-amyl acetate	11.47	43	983	581.222	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.78	83	354	276.246	ug/l #	4
76) 1,2,3-Trichloropropane	11.93	75	588	692.228	ug/l	73
77) Bromobenzene	11.71	156	245	162.495	ug/l	84
78) n-propylbenzene	11.67	91	59	8.143	ug/l #	1
79) 2-Chlorotoluene	11.80	91	215	51.860	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.93	105	129	26.287	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	464	1290.242	ug/l #	60
82) 4-Chlorotoluene	12.03	91	61	14.972	ug/l #	37
83) tert-Butylbenzene	12.24	119	636	130.796	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.36	105	258	55.450	ug/l	82
85) sec-Butylbenzene	12.36	105	258	40.266	ug/l #	55
86) p-Isopropyltoluene	12.60	119	254	47.626	ug/l	83
87) 1,3-Dichlorobenzene	12.51	146	80	30.086	ug/l #	23
88) 1,4-Dichlorobenzene	12.66	146	206	83.013	ug/l #	23
89) n-Butylbenzene	12.93	91	141	26.282	ug/l #	24
90) Hexachloroethane	12.82	117	111	85.335	ug/l	73
91) 1,2-Dichlorobenzene	13.00	146	61	26.100	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	746	5343.382	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.20	180	61	38.013	ug/l #	20
94) Hexachlorobutadiene	14.21	225	200	180.154	ug/l #	19
95) Naphthalene	14.52	128	105	39.939	ug/l #	25

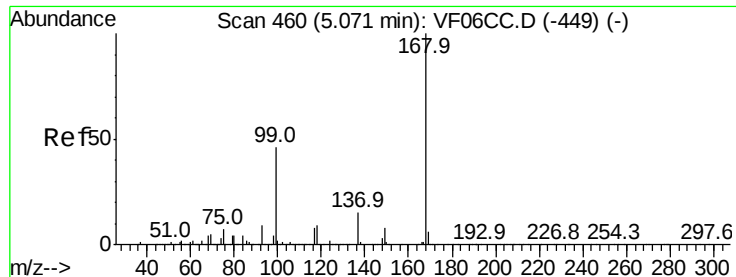
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053119\
Data File : VF062818.D
Acq On : 31 May 2019 19:34
Operator : FY/SY
Sample : K2641-21
Misc : 6.33g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

Quant Time: Jun 01 00:58:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.70	180	110	75.094	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

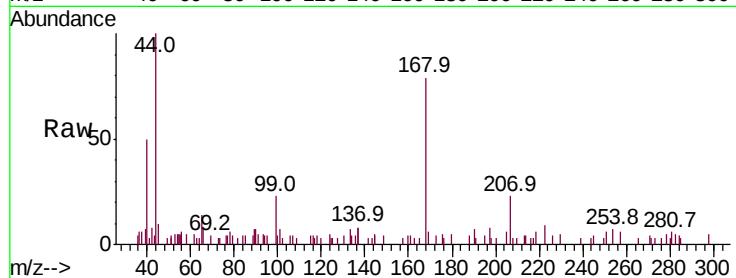
CL-02-053119-E

Tot Ion:168 Resp: 10556

Ion Ratio Lower Upper

168 100

99 29.5 39.1 58.7#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.09

3000

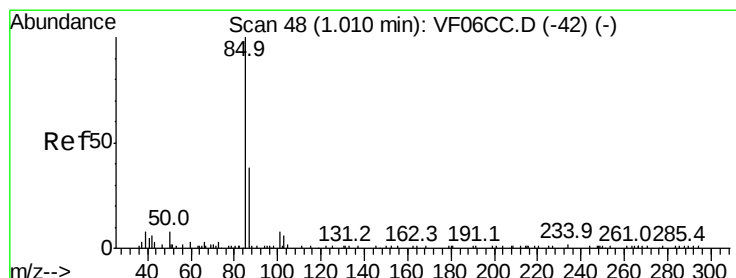
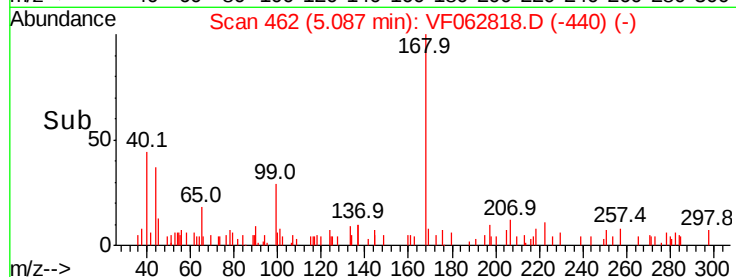
2000

1000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.94 min Scan# 41

Delta R.T. -0.07 min

Lab File: VF062818.D

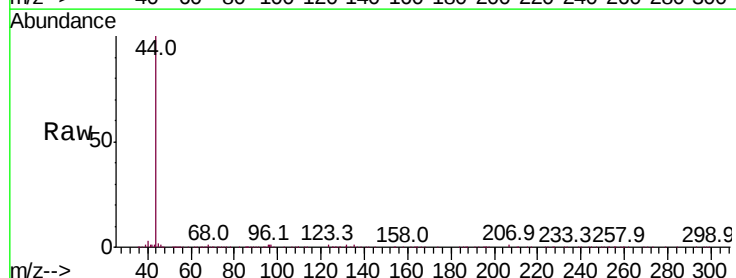
Acq: 31 May 2019 19:34

Tgt Ion: 85 Resp: 285

Ion Ratio Lower Upper

85 100

87 31.7 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

300

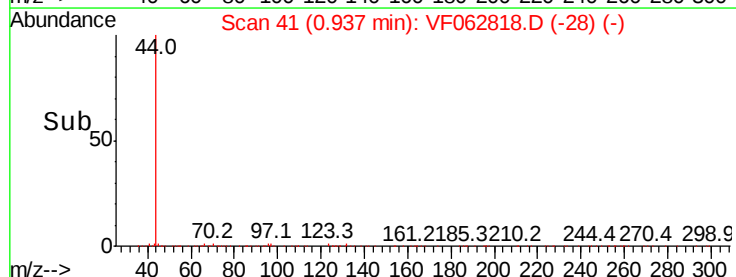
200

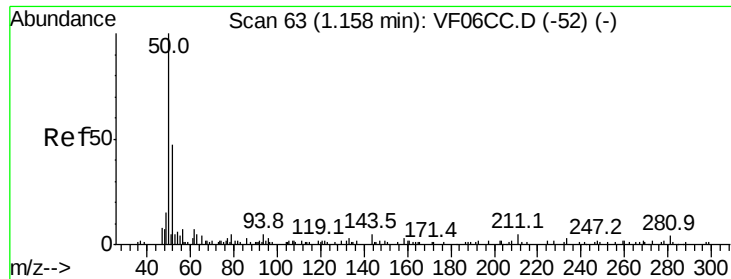
100

0

0.90 0.92 0.94 0.96

Time-->





#3

Chloromethane

Concen: 4.852 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.04 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

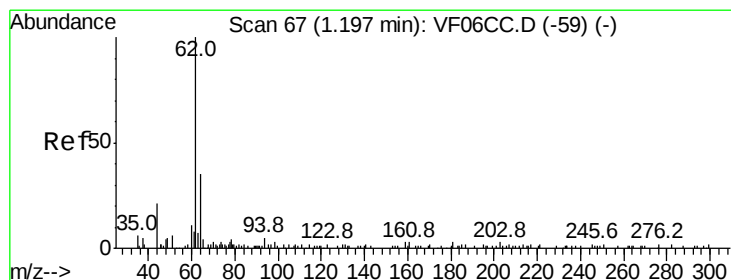
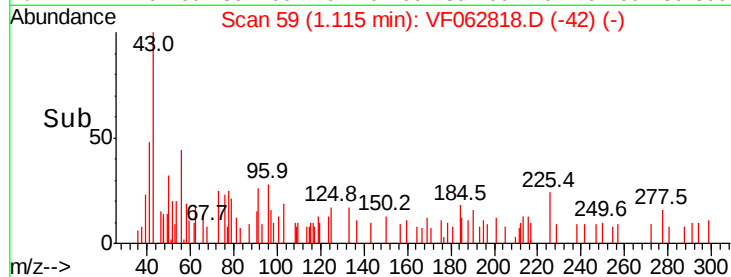
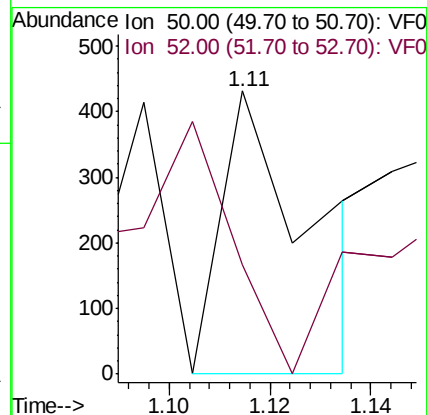
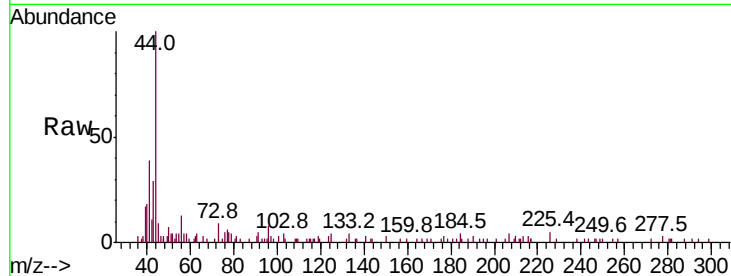
CL-02-053119-E

Tot Ion: 50 Resp: 530

Ion Ratio Lower Upper

50 100

52 38.7 27.0 40.4



#4

Vinyl Chloride

Concen: 1.741 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.01 min

Lab File: VF062818.D

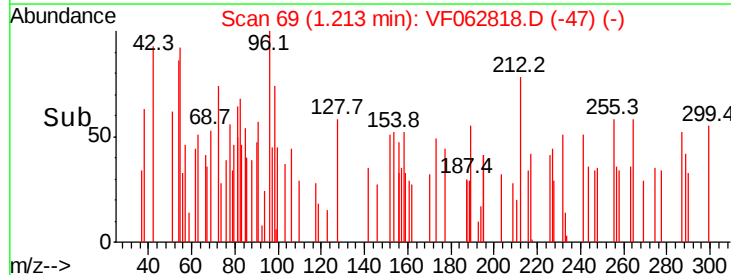
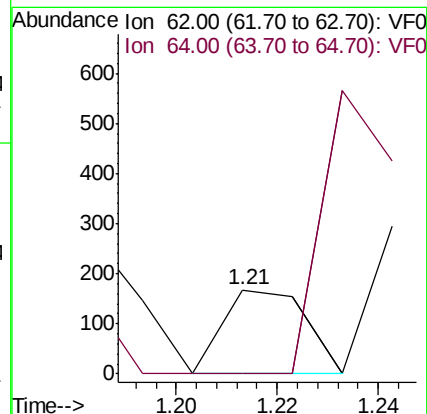
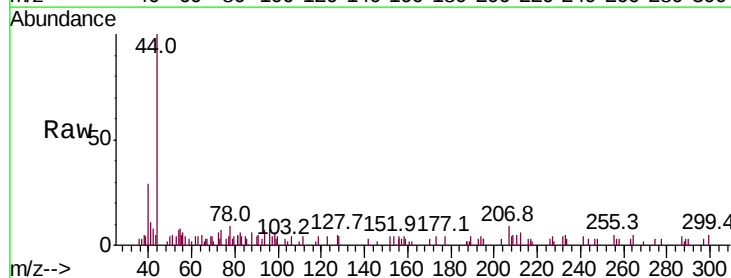
Acq: 31 May 2019 19:34

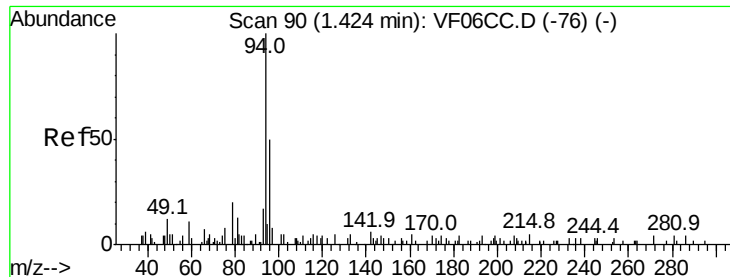
Tgt Ion: 62 Resp: 189

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#





#5

Bromomethane

Concen: 7.302 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

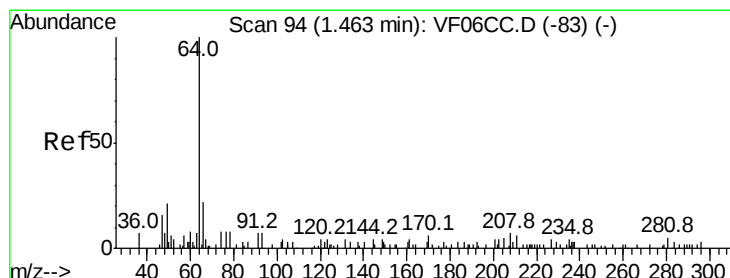
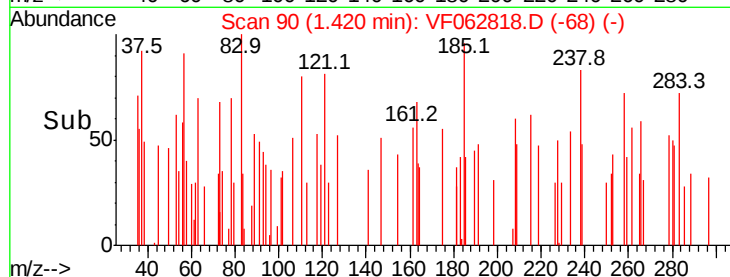
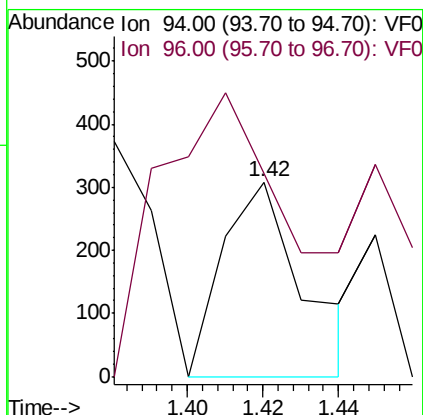
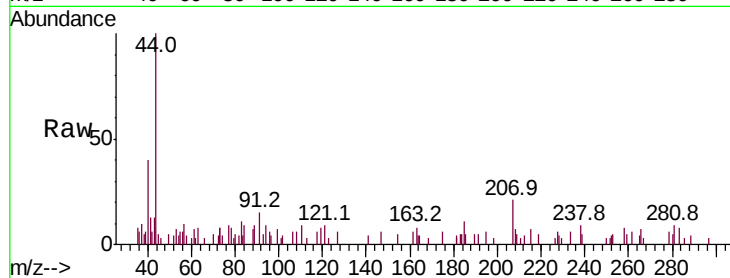
CL-02-053119-E

Tot Ion: 94 Resp: 452

Ion Ratio Lower Upper

94 100

96 104.5 73.8 110.6



#6

Chloroethane

Concen: 2.267 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062818.D

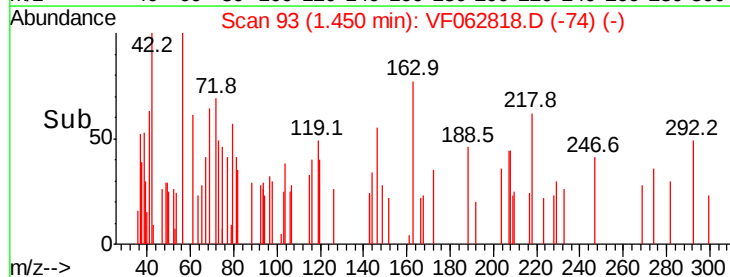
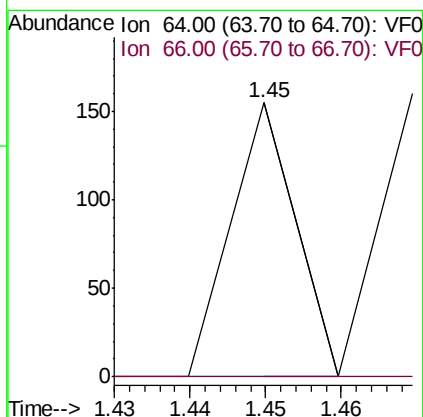
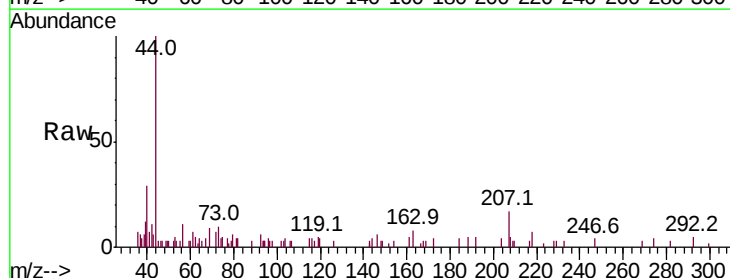
Acq: 31 May 2019 19:34

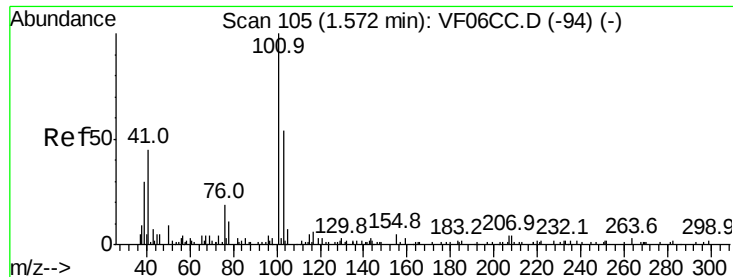
Tgt Ion: 64 Resp: 92

Ion Ratio Lower Upper

64 100

66 0.0 31.0 46.4#



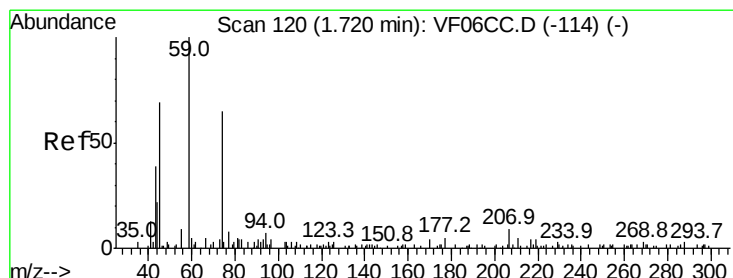
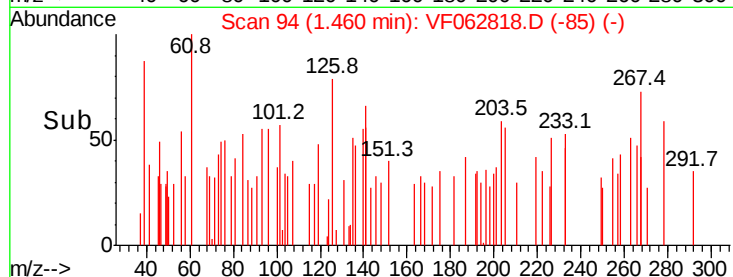
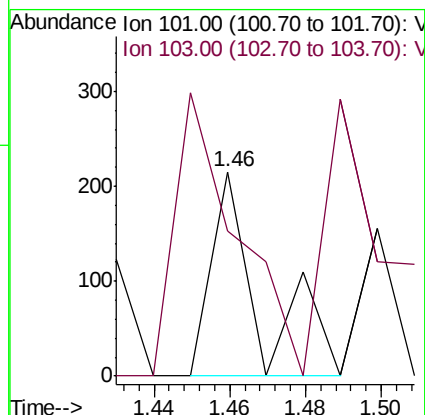
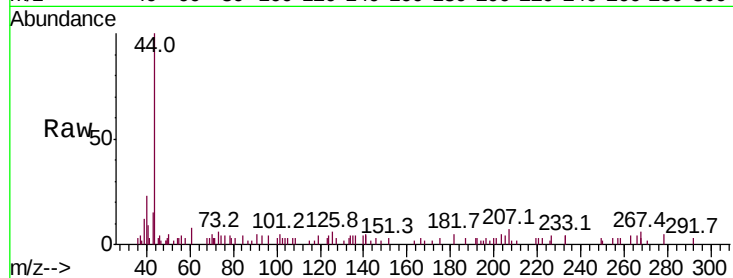


#7

Trichlorofluoromethane
Concen: 1.250 ug/l
RT: 1.46 min Scan# 94
Delta R.T. -0.11 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

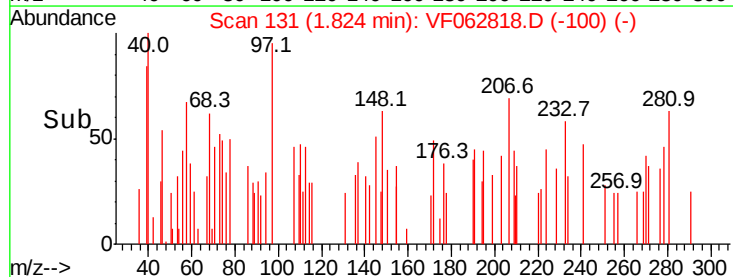
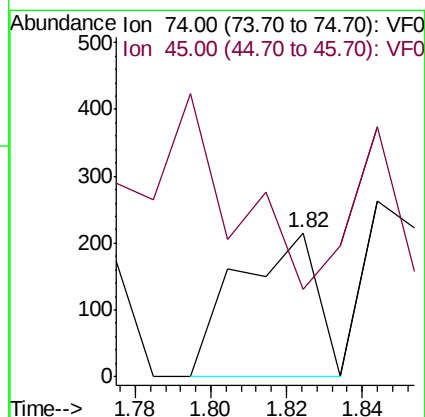
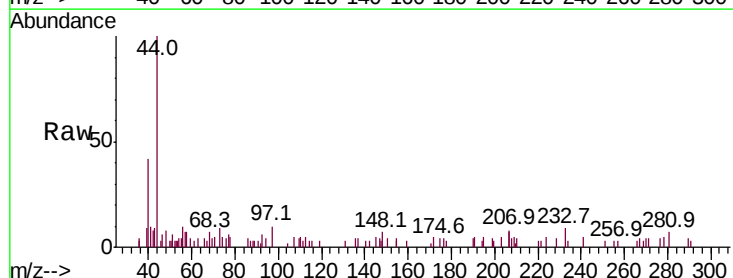
Tot Ion: 101 Resp: 192
Ion Ratio Lower Upper
101 100
103 71.2 54.6 82.0

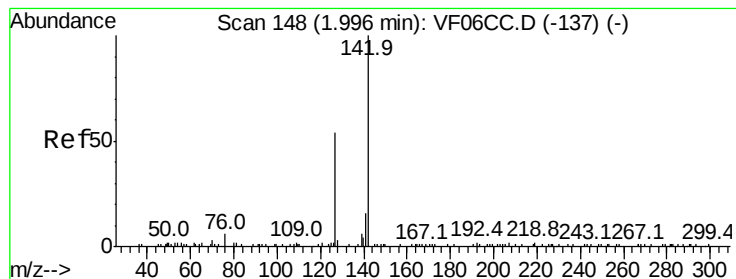


#8

Diethyl Ether
Concen: 10.321 ug/l
RT: 1.82 min Scan# 131
Delta R.T. 0.10 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 74 Resp: 312
Ion Ratio Lower Upper
74 100
45 60.5 47.5 142.5





#10

Methyl Iodide

Concen: 1.094 ug/l

RT: 2.06 min Scan# 155

Delta R.T. 0.04 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

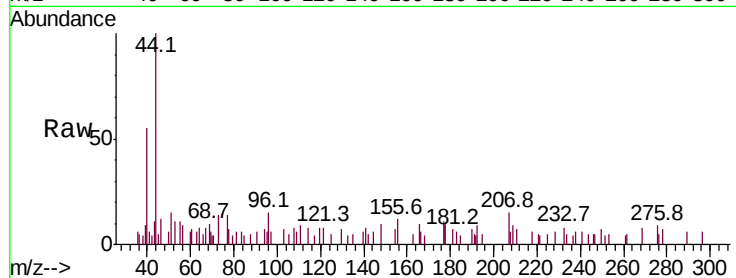
Tot Ion:142 Resp: 212

Ion Ratio Lower Upper

142 100

127 0.0 39.4 59.2#

141 145.5 10.6 15.8#



Abundance Ion 142.00 (141.70 to 142.70): V

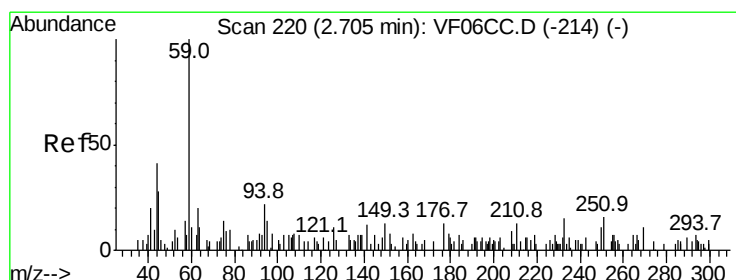
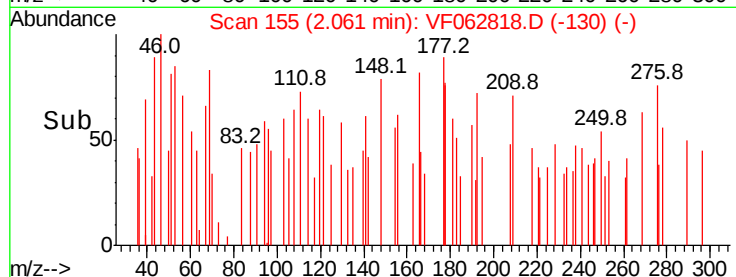
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

2.06

2.02 2.04 2.06 2.08

Time-->



#11

Tert butyl alcohol

Concen: 73.949 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.01 min

Lab File: VF062818.D

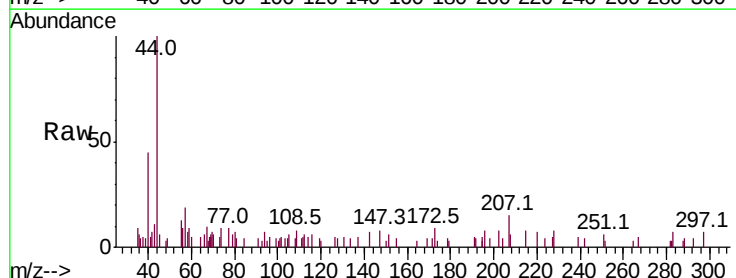
Acq: 31 May 2019 19:34

Tgt Ion: 59 Resp: 327

Ion Ratio Lower Upper

59 100

57 208.0 9.2 13.8#



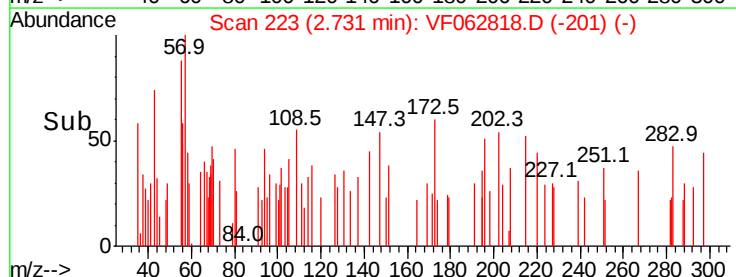
Abundance Ion 59.00 (58.70 to 59.70): VF0

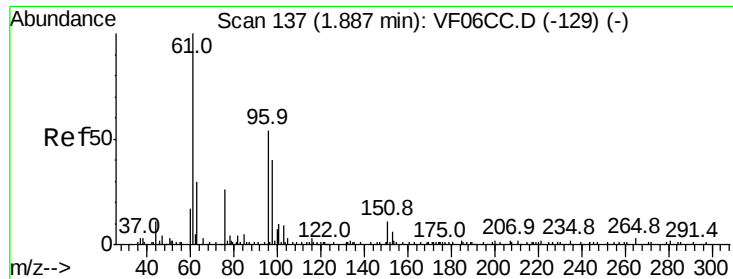
Ion 57.00 (56.70 to 57.70): VF0

2.73

2.68 2.70 2.72 2.74 2.76

Time-->





#12

1,1-Dichloroethene

Concen: 7.946 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

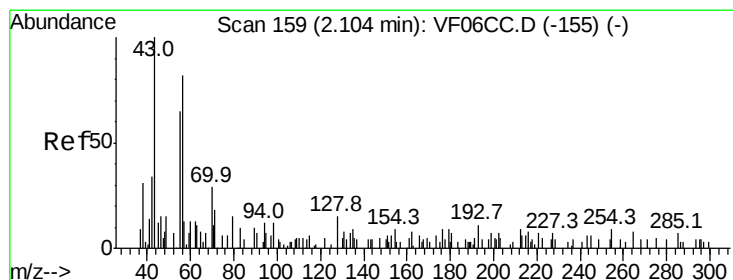
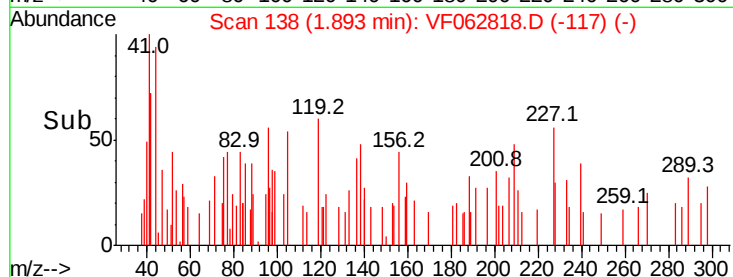
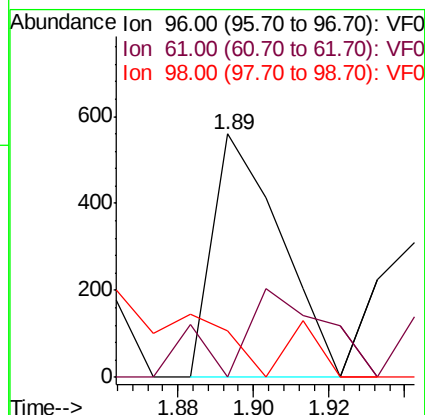
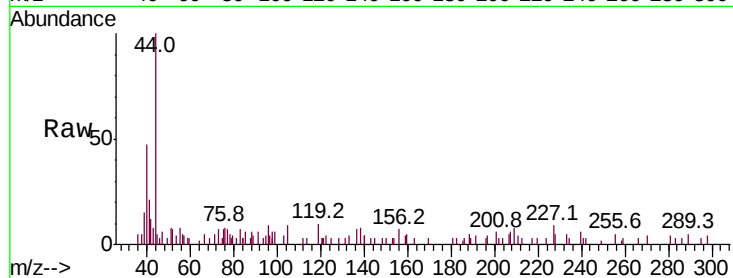
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

Tot Ion: 96 Resp: 697

Ion	Ratio	Lower	Upper
96	100		
61	0.0	139.4	209.2#
98	19.3	50.3	75.5#



#13

Acrolein

Concen: 607.202 ug/l

RT: 2.04 min Scan# 153

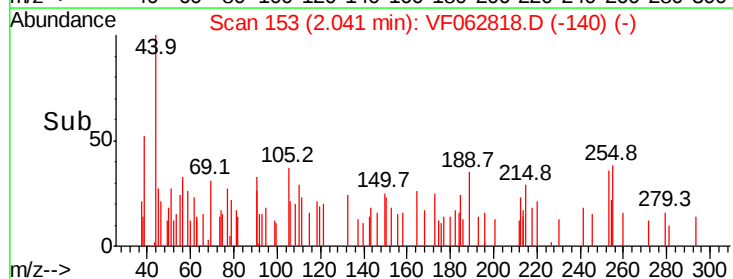
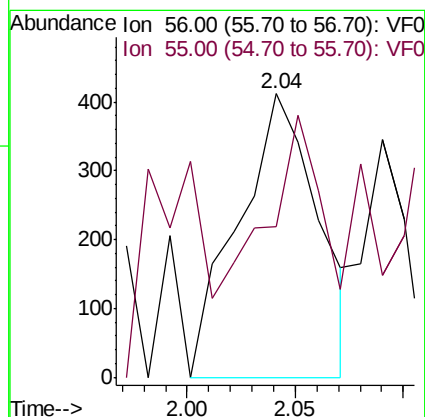
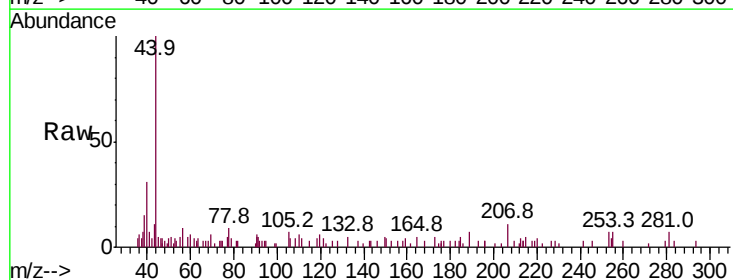
Delta R.T. -0.07 min

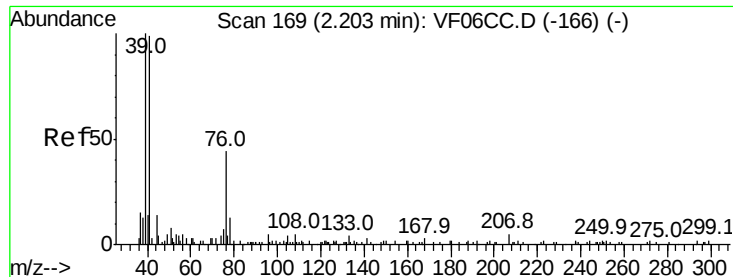
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Tgt Ion: 56 Resp: 1052

Ion	Ratio	Lower	Upper
56	100		
55	52.9	52.9	79.3

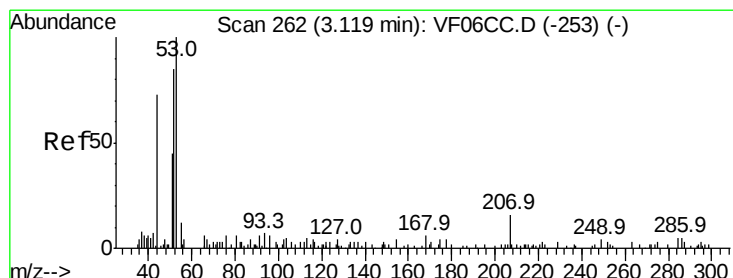
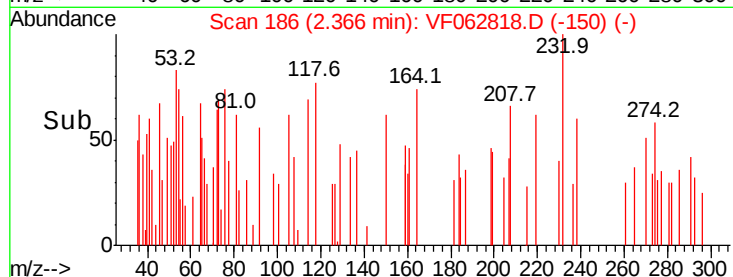
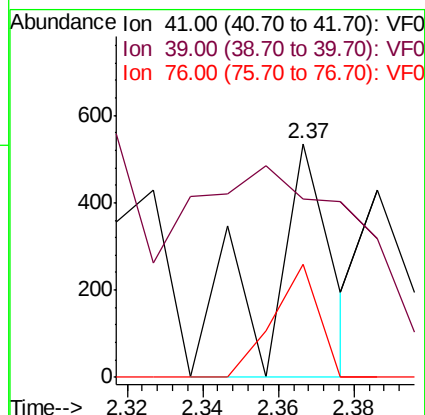
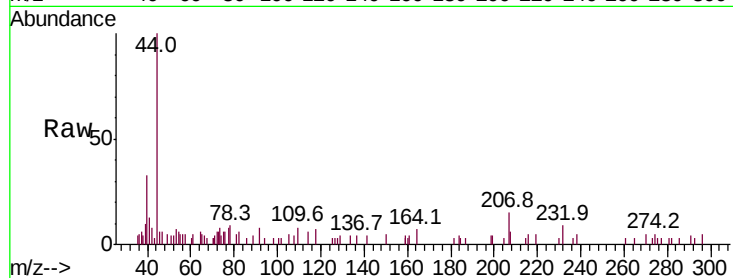




#14
Allvl chloride
Concen: 9.360 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.15 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

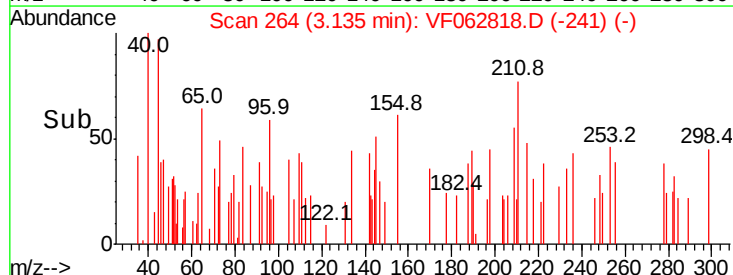
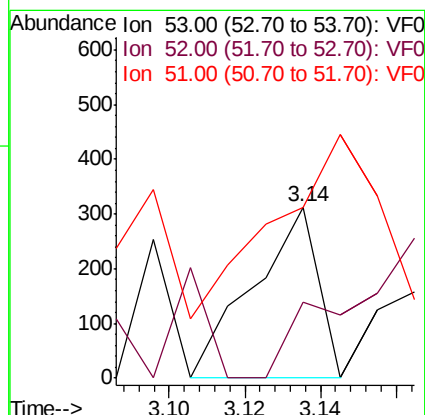
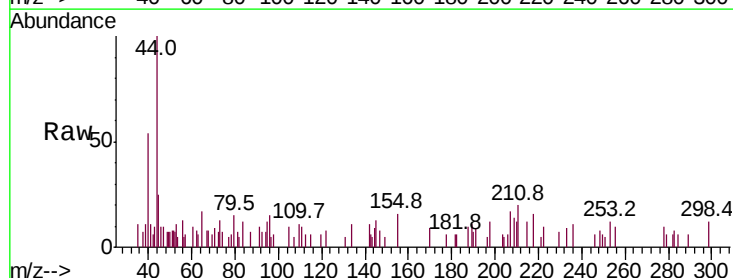
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

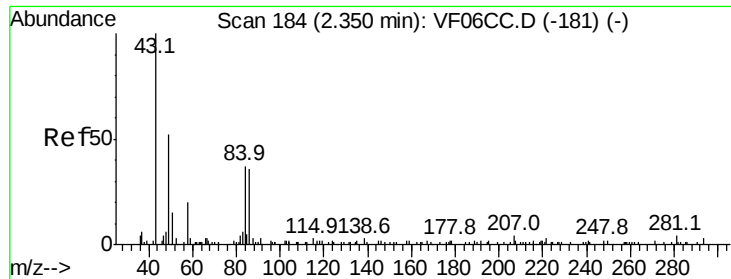
Tot Ion: 41 Resp: 637
Ion Ratio Lower Upper
41 100
39 76.3 71.9 107.9
76 48.1 39.6 59.4



#15
Acrylonitrile
Concen: 22.328 ug/l
RT: 3.14 min Scan# 264
Delta R.T. 0.02 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 53 Resp: 371
Ion Ratio Lower Upper
53 100
52 44.4 68.1 102.1#
51 100.0 27.7 41.5#





#16

Acetone

Concen: 21.129 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

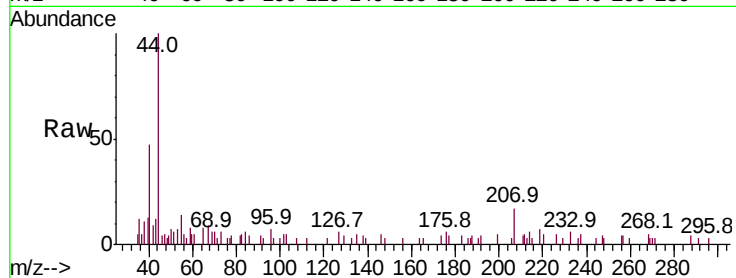
CL-02-053119-E

Tot Ion: 43 Resp: 353

Ion Ratio Lower Upper

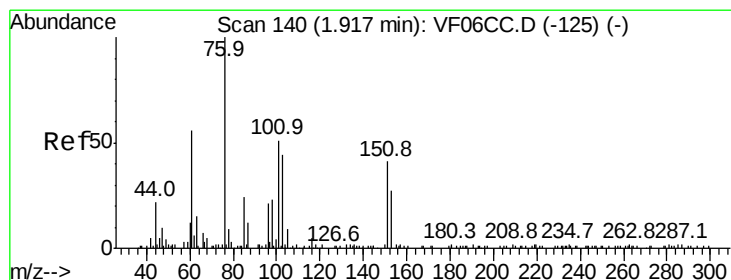
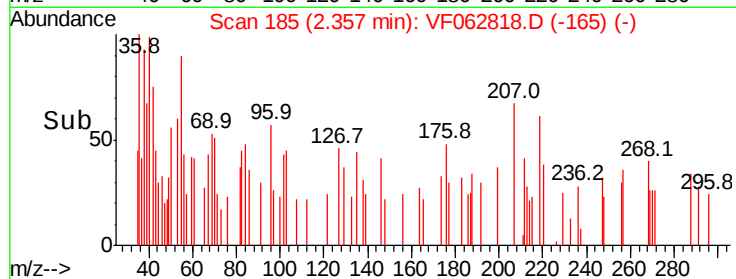
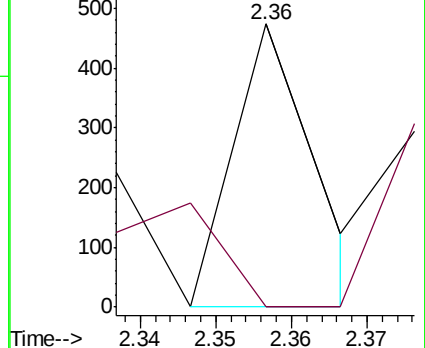
43 100

58 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 1.205 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF062818.D

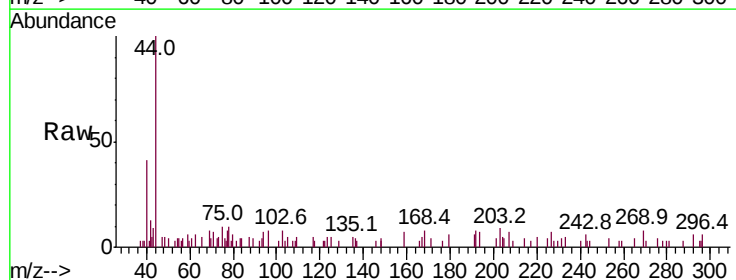
Acq: 31 May 2019 19:34

Tgt Ion: 76 Resp: 309

Ion Ratio Lower Upper

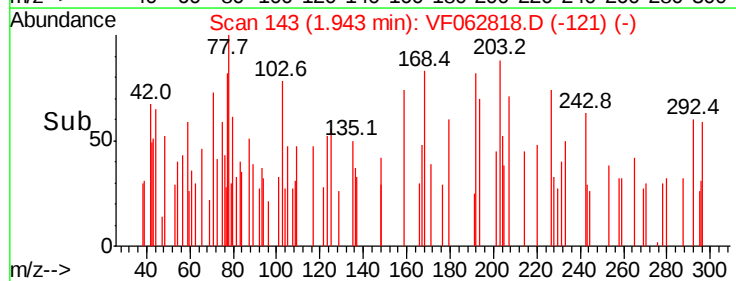
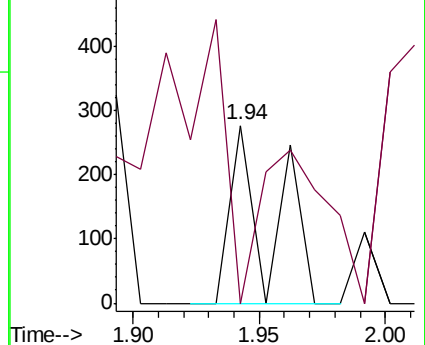
76 100

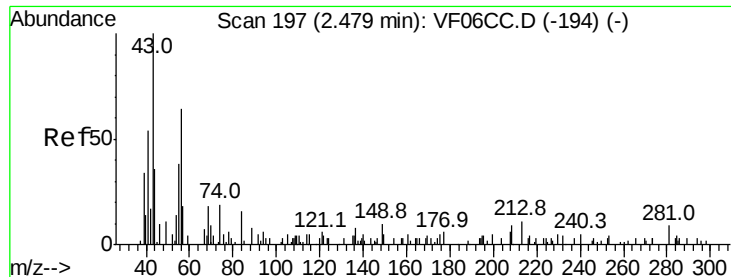
78 0.0 9.4 14.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

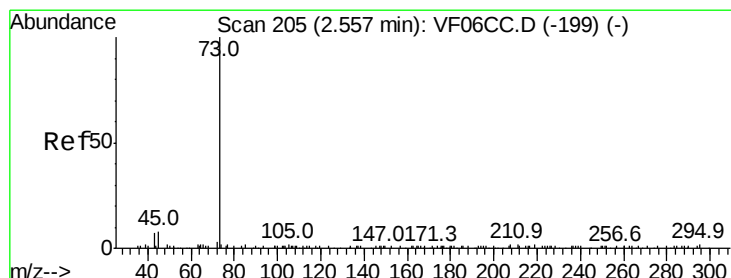
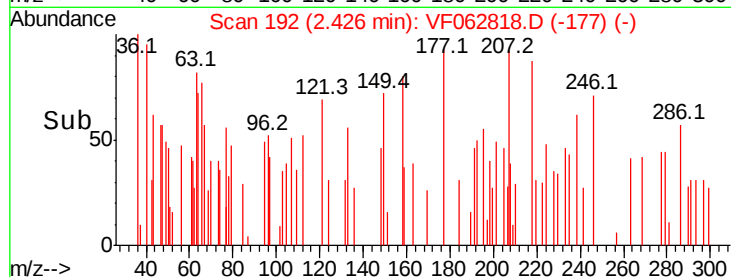
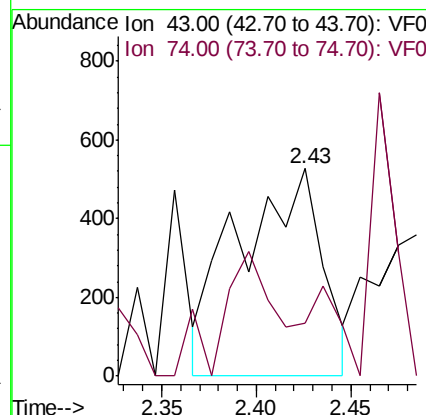
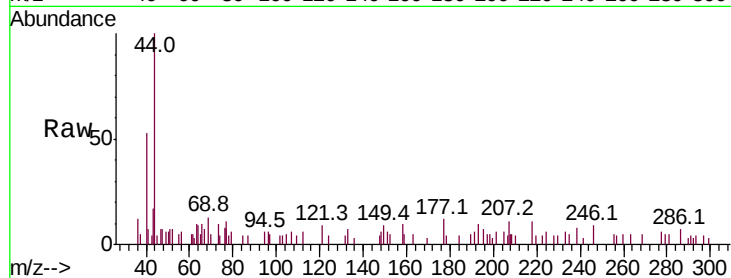




#18
Methyl Acetate
Concen: 55.557 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.06 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

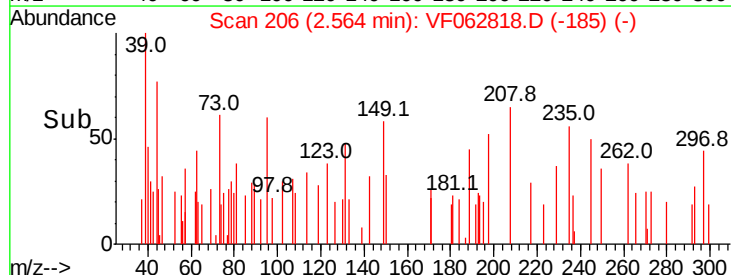
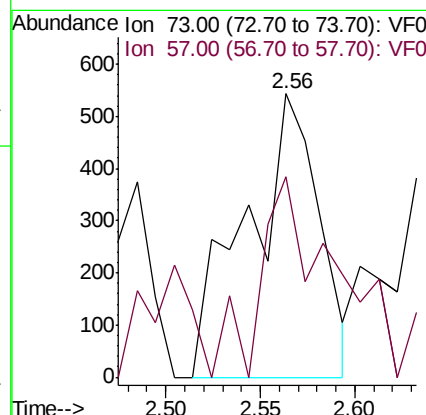
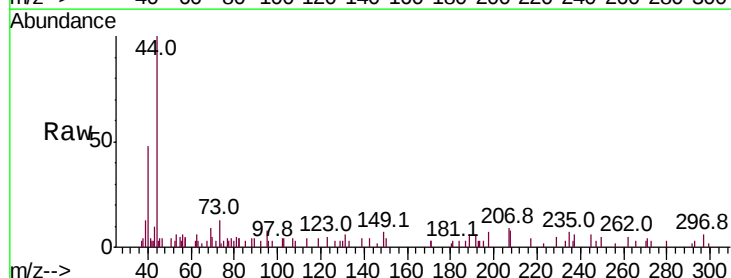
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

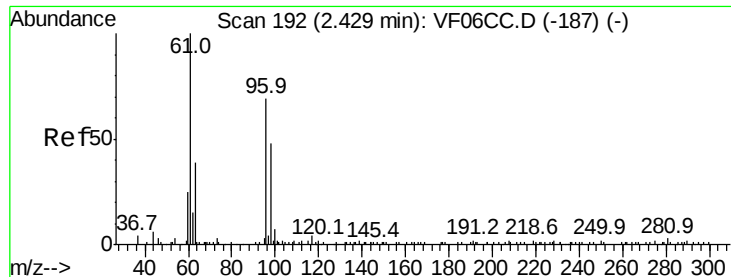
Tot Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
74 25.6 22.1 33.1



#19
Methyl tert-butyl Ether
Concen: 9.086 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 73 Resp: 1444
Ion Ratio Lower Upper
73 100
57 70.9 15.1 22.7#





#21

trans-1,2-Dichloroethene

Concen: 9.334 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.04 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

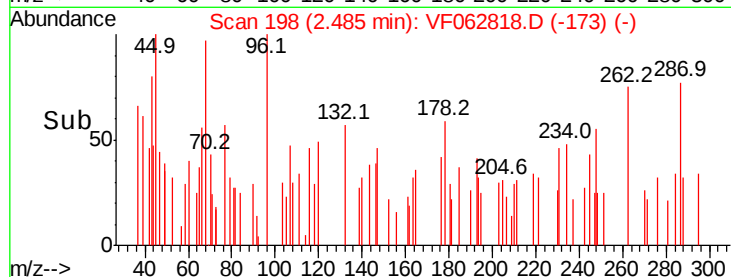
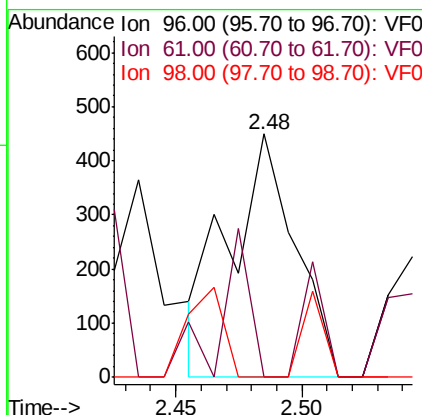
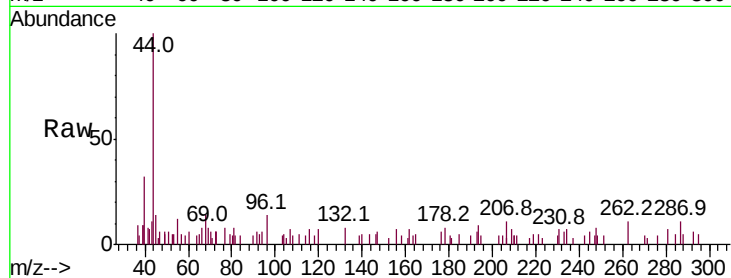
Tot Ion: 96 Resp: 821

Ion Ratio Lower Upper

96 100

61 0.0 105.0 157.6#

98 0.0 51.1 76.7#



#22

Diisopropyl ether

Concen: 3.786 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Tgt Ion: 45 Resp: 732

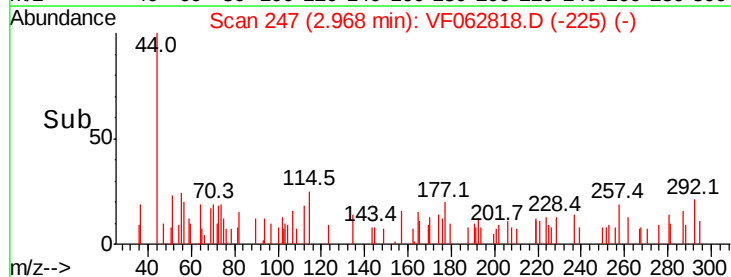
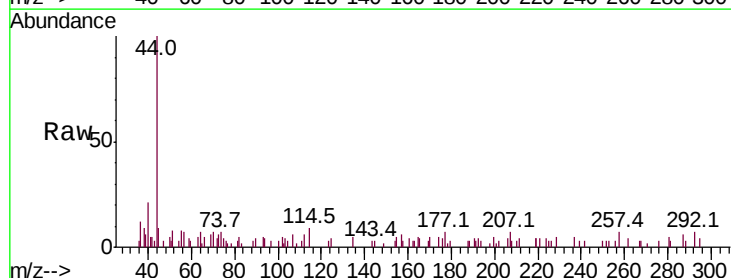
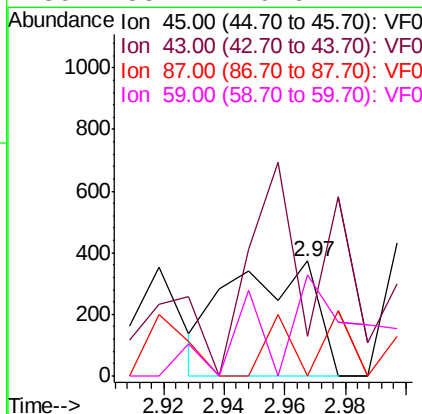
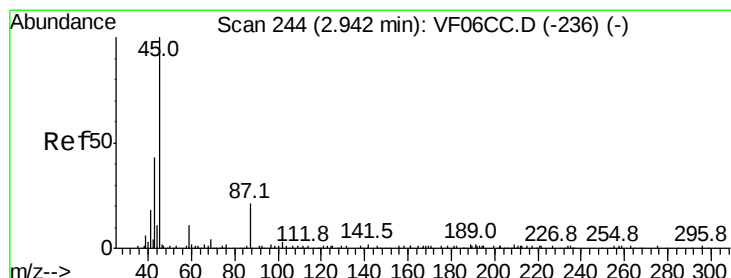
Ion Ratio Lower Upper

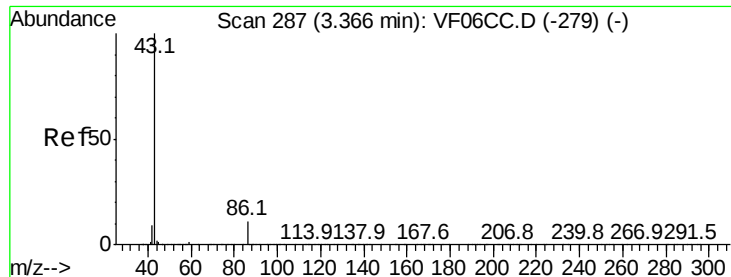
45 100

43 34.1 34.3 51.5#

87 0.0 19.0 28.4#

59 88.4 9.6 14.4#





#23

Vinyl Acetate

Concen: 6.701 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

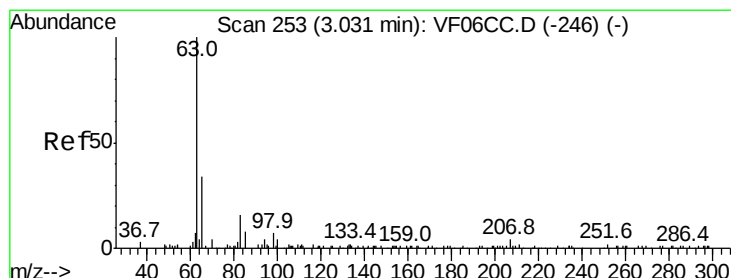
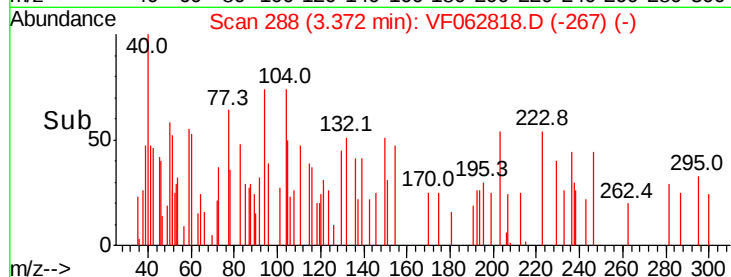
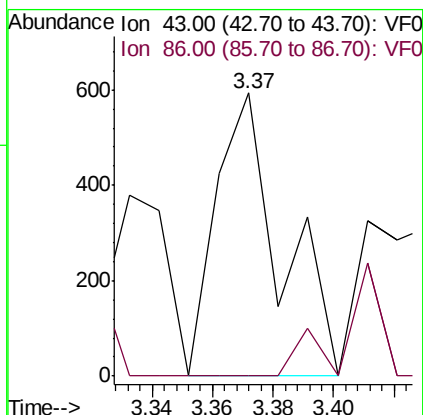
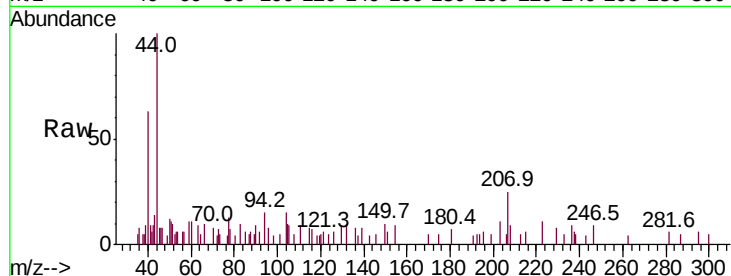
CL-02-053119-E

Tot Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 2.120 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.00 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

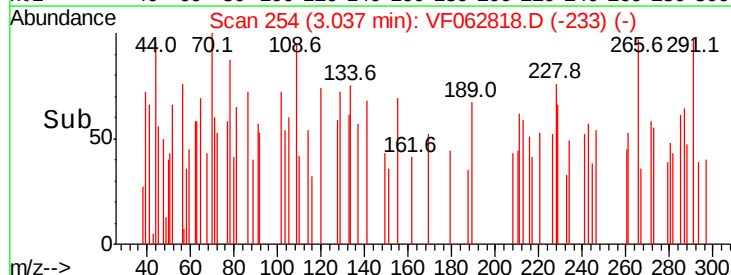
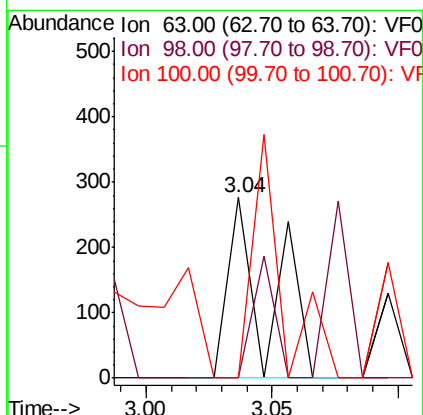
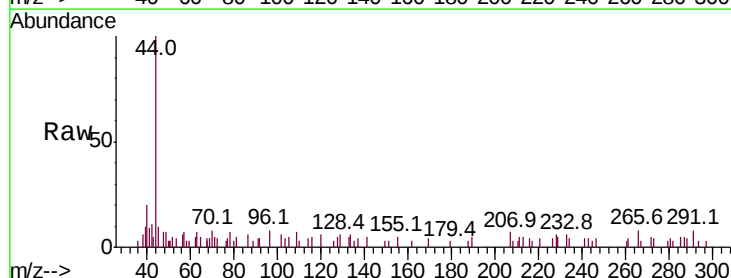
Tgt Ion: 63 Resp: 306

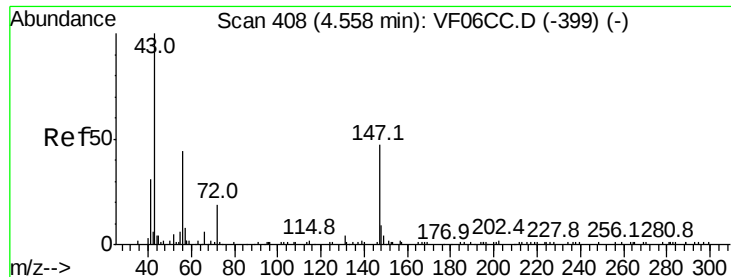
Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 0.0 1.5 4.5#

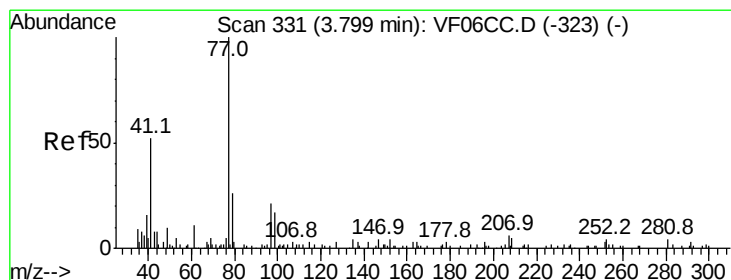
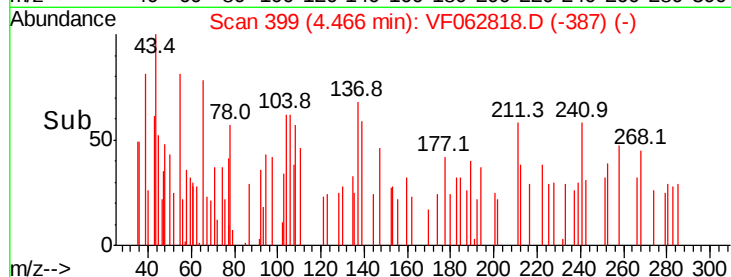
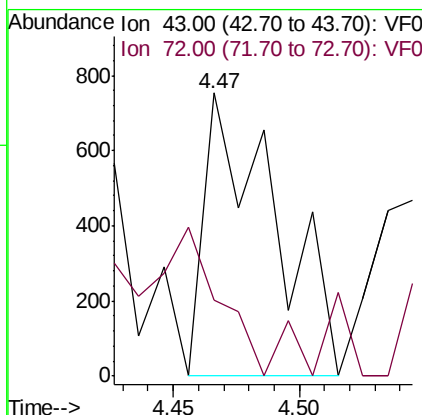
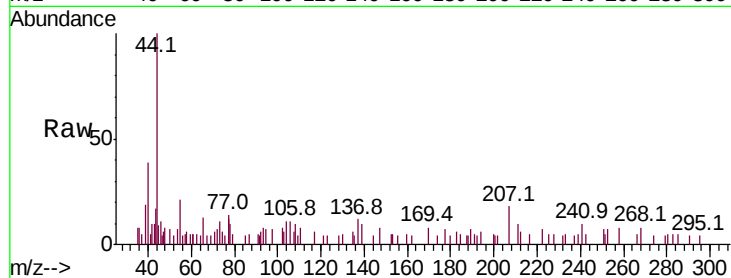




#25
2-Butanone
Concen: 37.500 ug/l
RT: 4.47 min Scan# 399
Delta R.T. -0.08 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

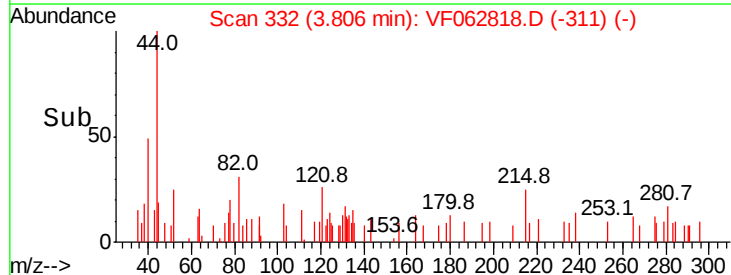
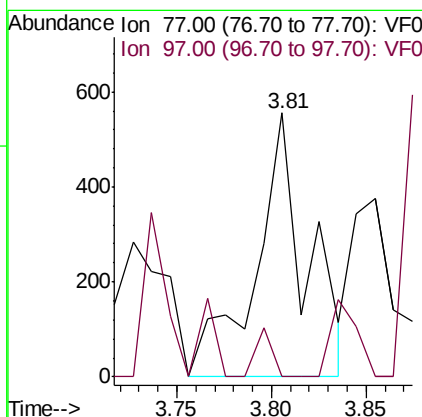
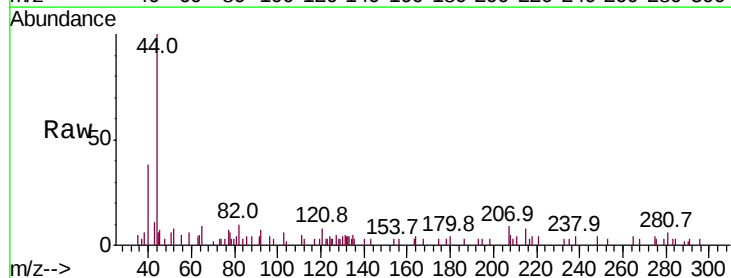
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

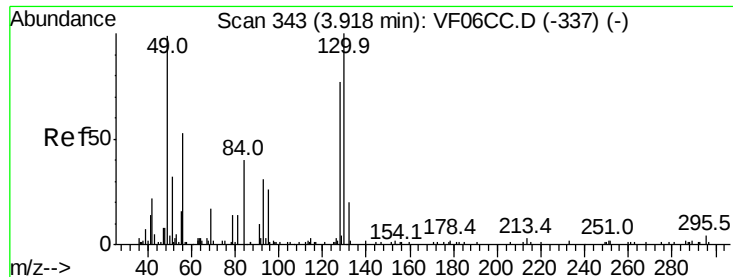
Tot Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
72 26.8 21.4 32.0



#26
2,2-Dichloropropane
Concen: 12.688 ug/l
RT: 3.81 min Scan# 332
Delta R.T. 0.00 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 77 Resp: 1040
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#





#28

Bromochloromethane

Concen: 1.159 ug/l

RT: 3.95 min Scan# 347

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

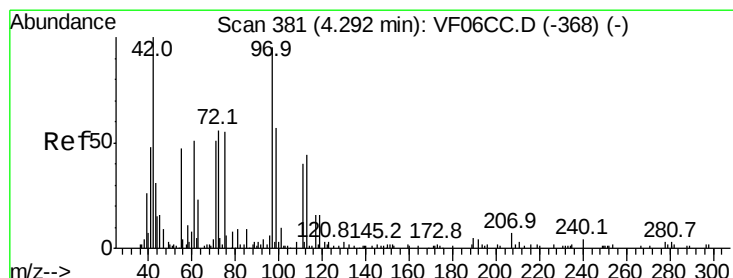
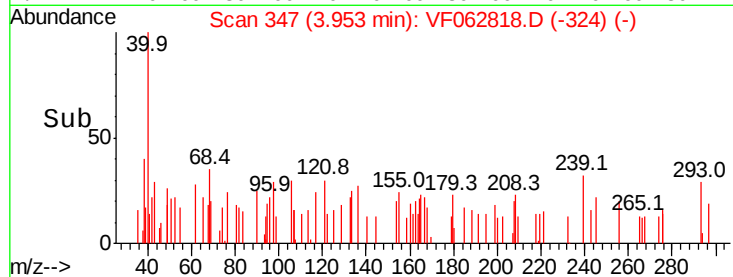
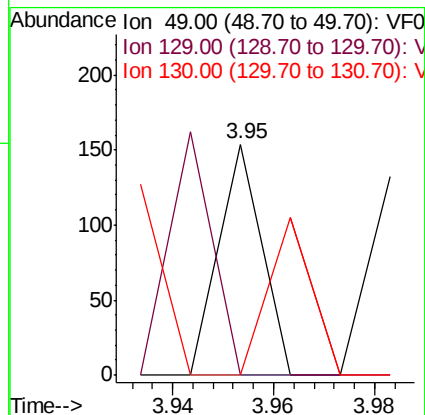
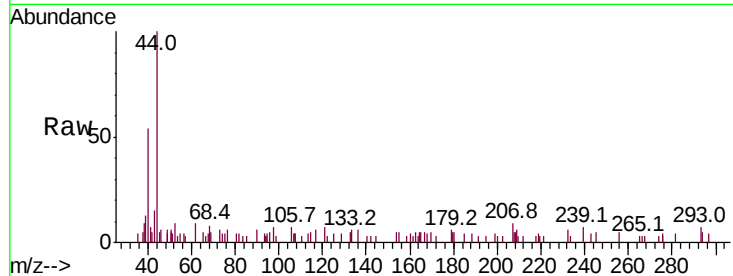
Tot Ion: 49 Resp: 91

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 0.0 79.2 118.8#



#29

Tetrahydrofuran

Concen: 30.106 ug/l

RT: 4.10 min Scan# 362

Delta R.T. -0.19 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

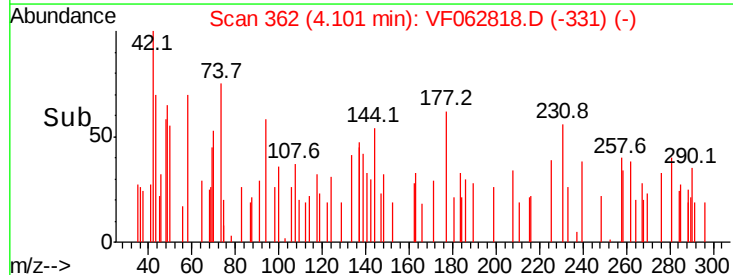
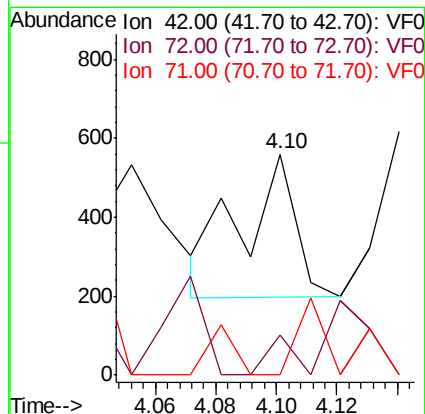
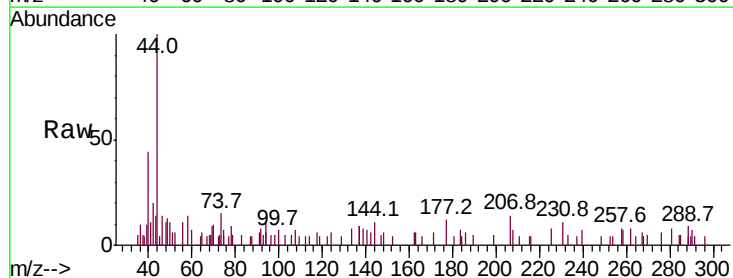
Tgt Ion: 42 Resp: 448

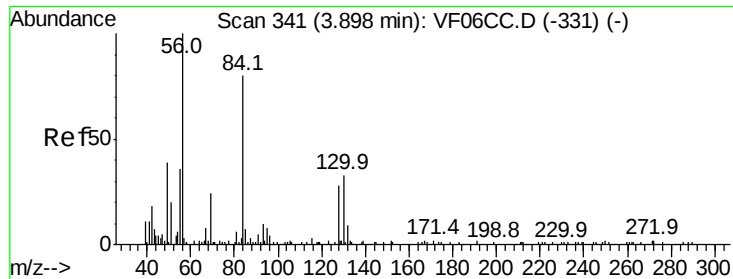
Ion Ratio Lower Upper

42 100

72 53.8 39.0 58.6

71 41.1 36.9 55.3





#31

Cyclohexane

Concen: 7.005 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

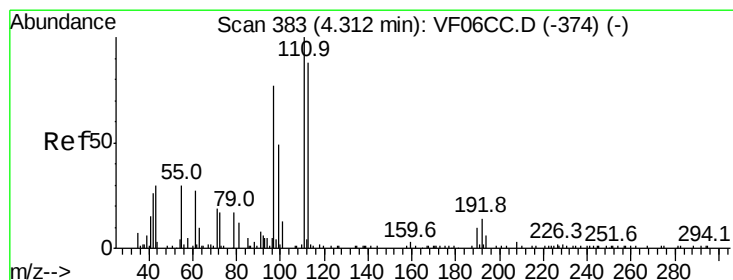
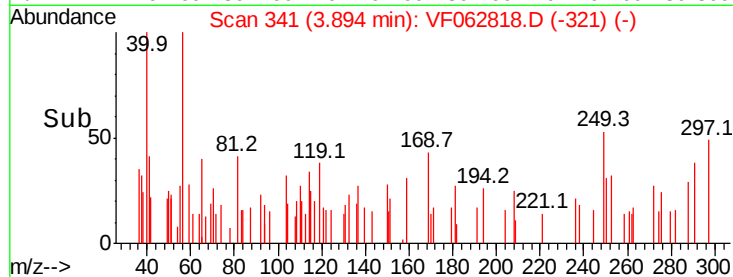
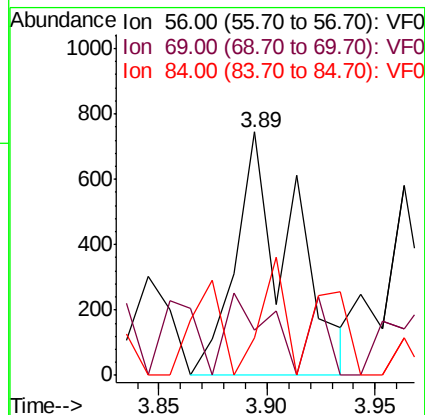
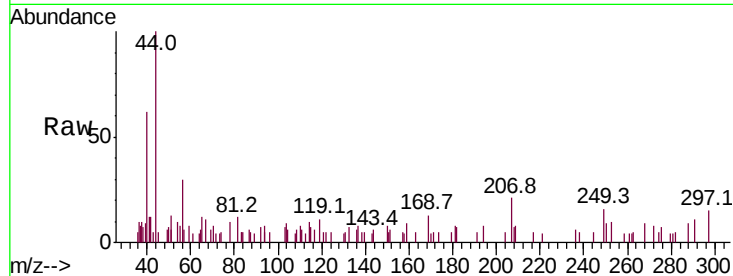
Tot Ion: 56 Resp: 1369

Ion Ratio Lower Upper

56 100

69 18.8 26.7 40.1#

84 15.7 74.3 111.5#



#32

1,1,1-Trichloroethane

Concen: 1.216 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

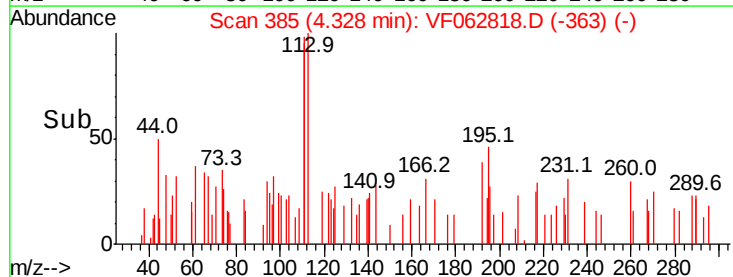
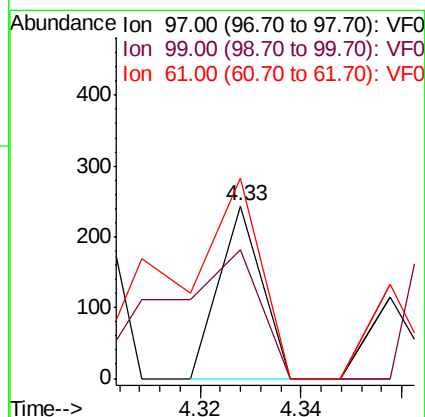
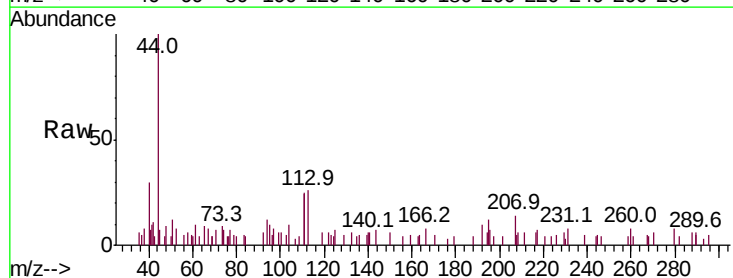
Tgt Ion: 97 Resp: 144

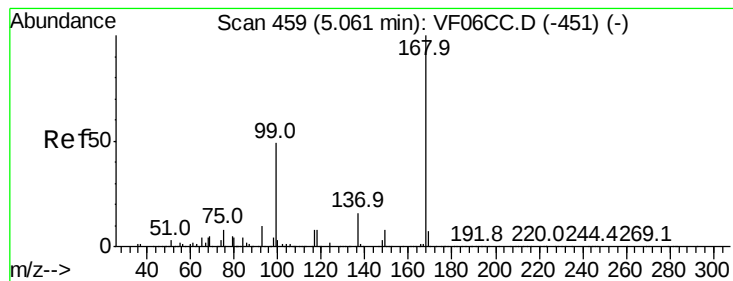
Ion Ratio Lower Upper

97 100

99 74.2 51.7 77.5

61 116.0 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 14.015 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.03 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

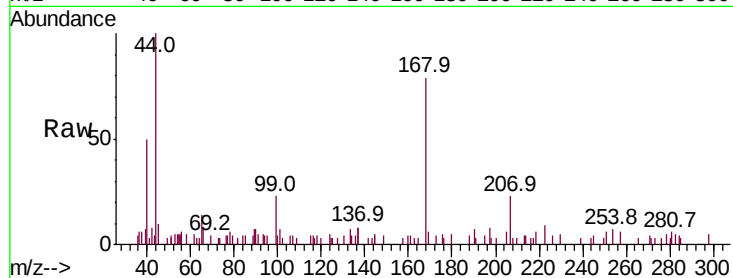
CL-02-053119-E

Tot Ion: 65 Resp: 1023

Ion Ratio Lower Upper

65 100

67 0.0 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.09

600

500

400

300

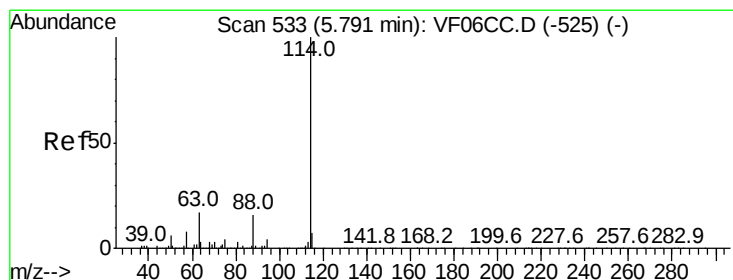
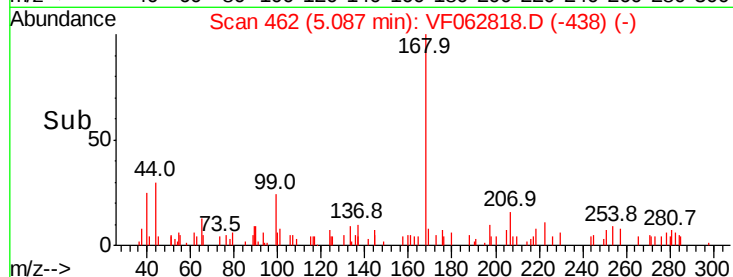
200

100

0

5.05 5.10 5.15

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

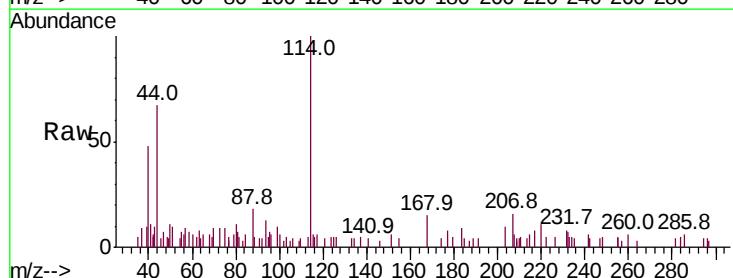
Tgt Ion: 114 Resp: 9179

Ion Ratio Lower Upper

114 100

63 8.4 0.0 34.2

88 23.0 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

4000

3000

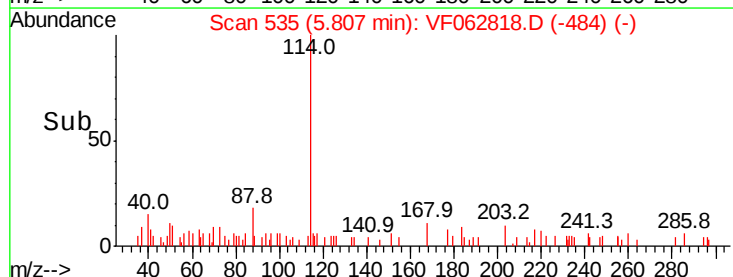
2000

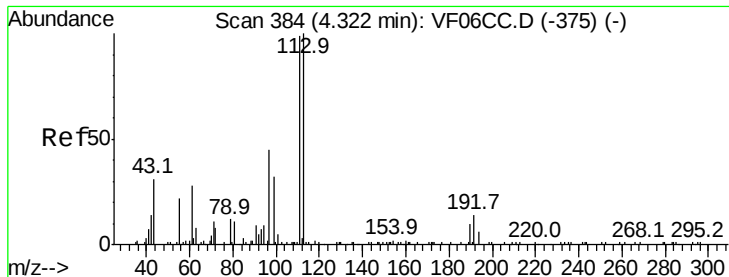
1000

0

5.70 5.80 5.90

Time-->

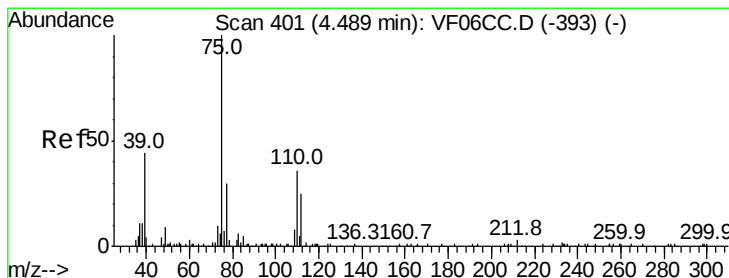
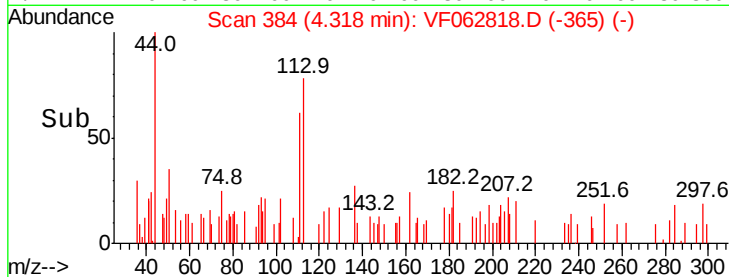
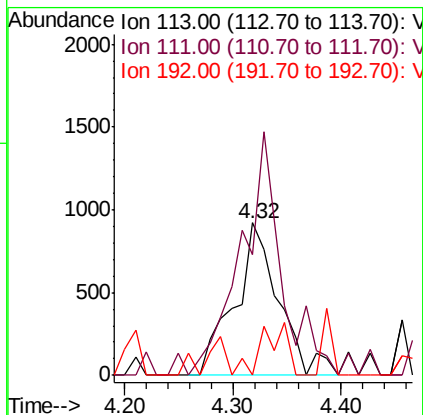
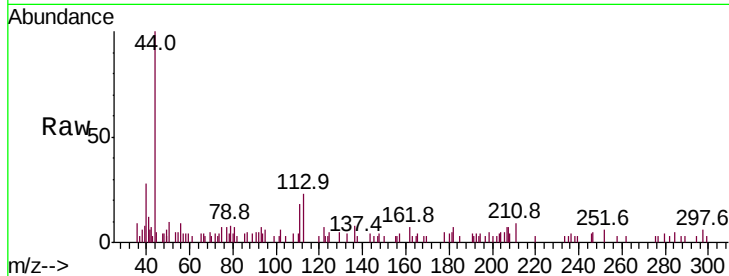




#35
 Dibromofluoromethane
 Concen: 37.643 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VF062818.D
 Acq: 31 May 2019 19:34

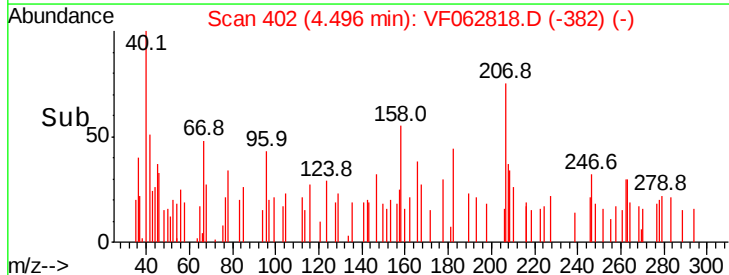
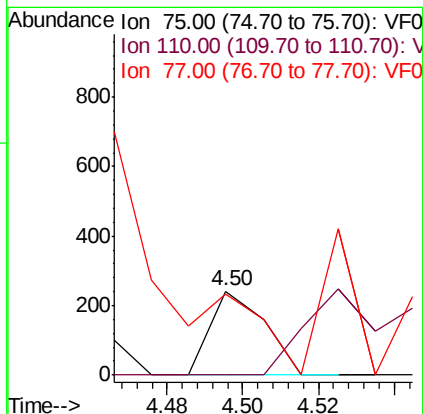
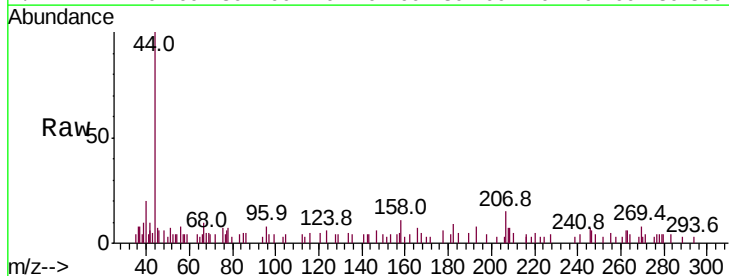
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-053119-E

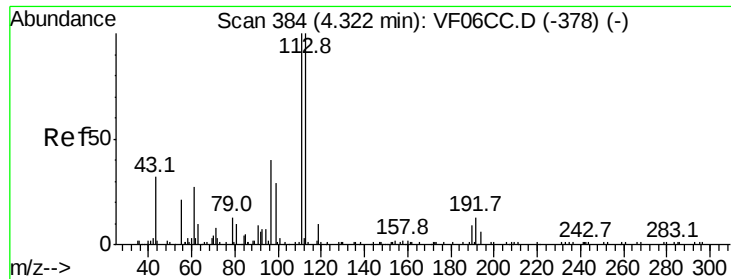
Tot Ion:113 Resp: 2611
 Ion Ratio Lower Upper
 113 100
 111 79.3 81.9 122.9#
 192 0.0 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 2.805 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VF062818.D
 Acq: 31 May 2019 19:34

Tgt Ion: 75 Resp: 237
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.4 58.1#
 77 96.7 25.4 38.2#

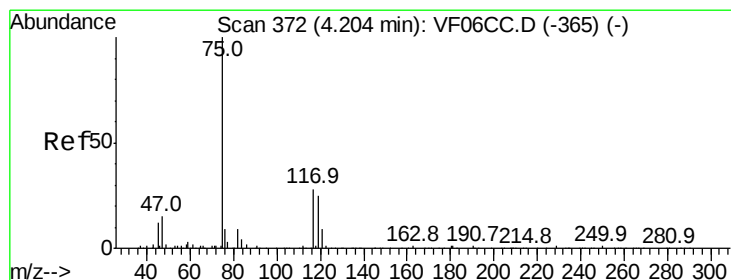
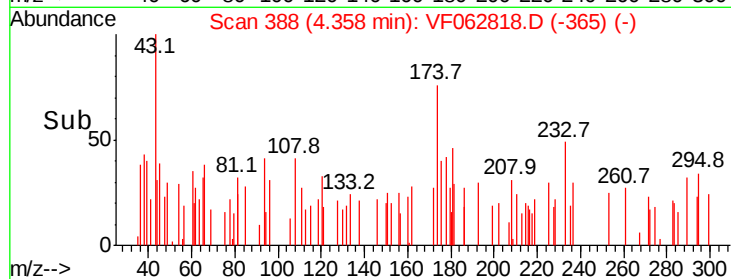
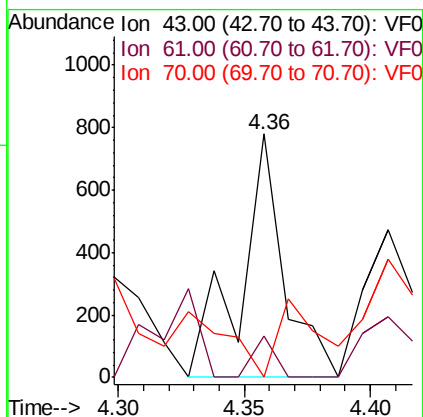
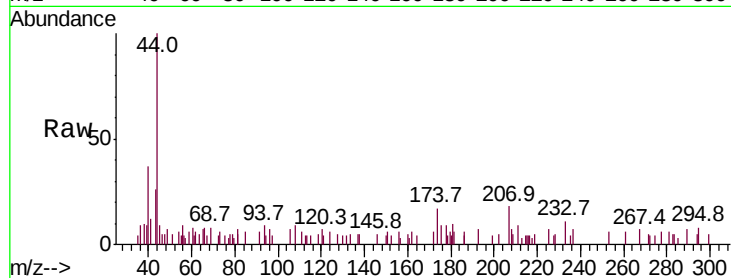




#37
Ethyl Acetate
Concen: 28.977 ug/l
RT: 4.36 min Scan# 388
Delta R.T. 0.02 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

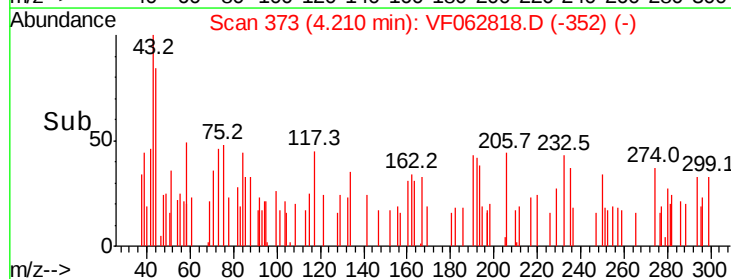
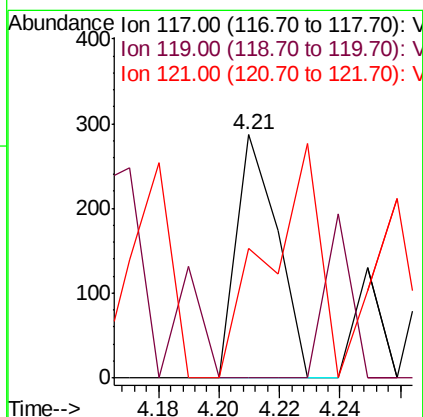
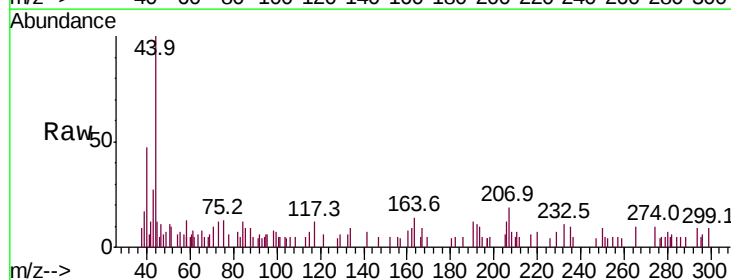
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

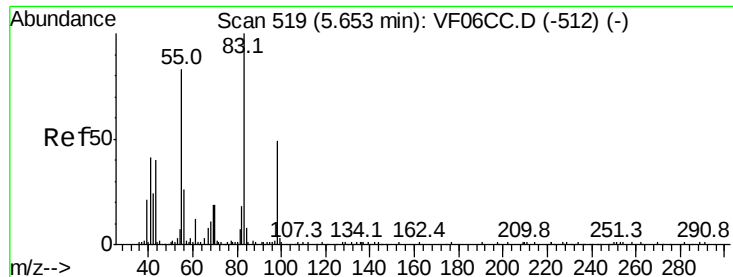
Tot Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
61 17.1 59.1 88.7#
70 0.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 4.780 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.00 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 117 Resp: 273
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 53.3 28.2 42.2#

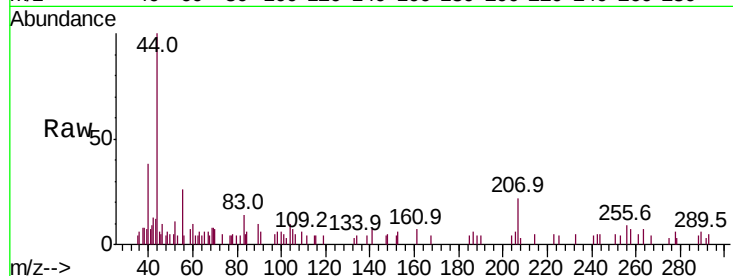




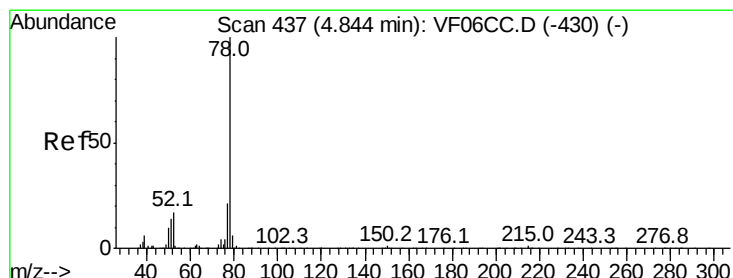
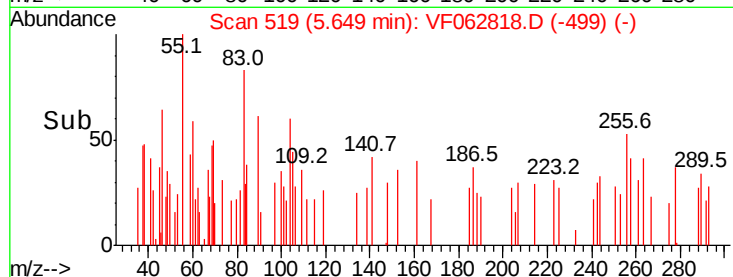
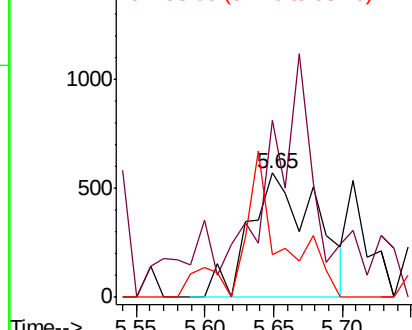
#39
Methylcyclohexane
Concen: 18.123 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

Tot Ion: 83 Resp: 1906
Ion Ratio Lower Upper
83 100
55 142.0 61.6 92.4#
98 33.8 37.4 56.2#

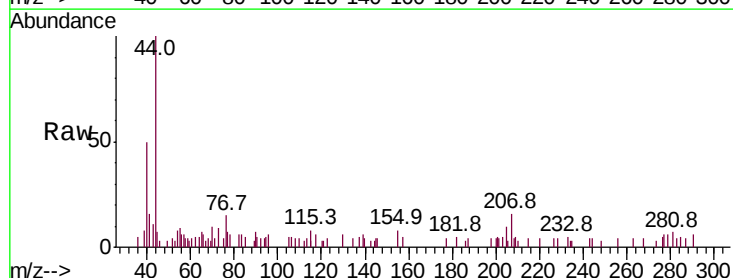


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

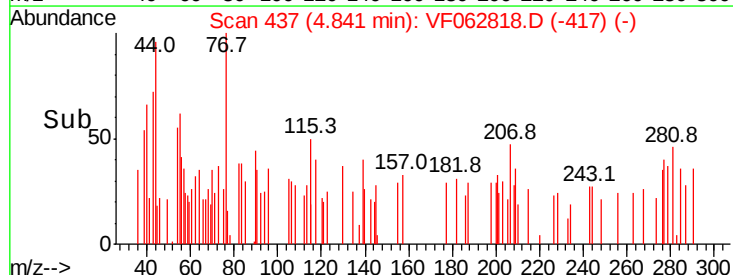
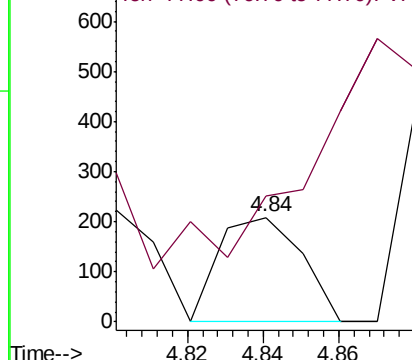


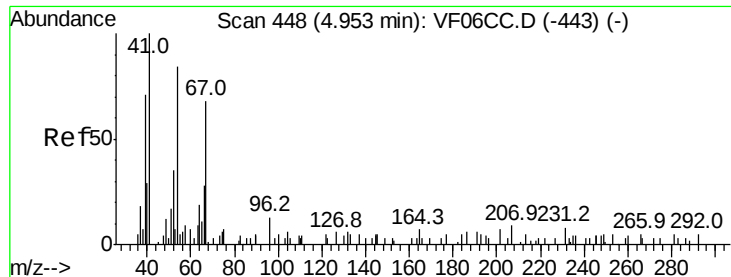
#40
Benzene
Concen: 1.281 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 78 Resp: 315
Ion Ratio Lower Upper
78 100
77 121.2 18.9 28.3#



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





#41

Methacrylonitrile

Concen: 49.228 ug/l

RT: 4.97 min Scan# 450

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

Tot Ion: 41 Resp: 884

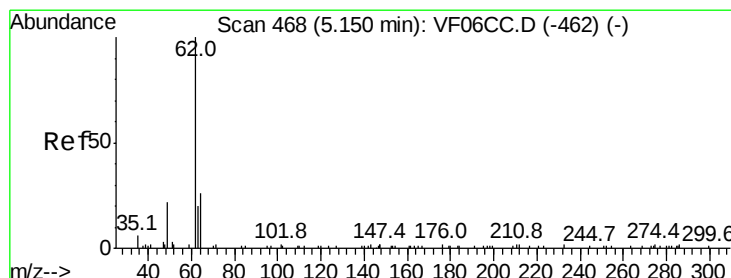
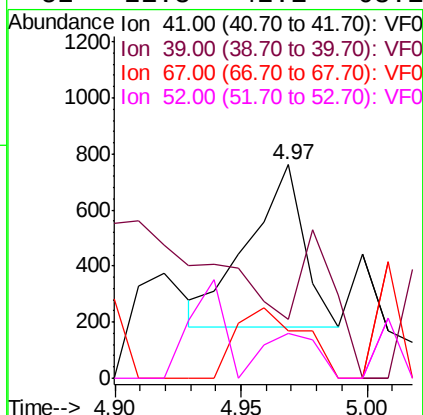
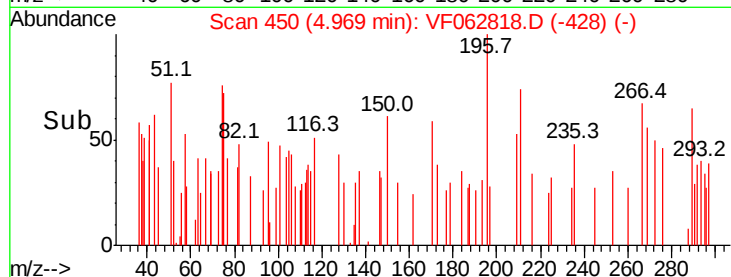
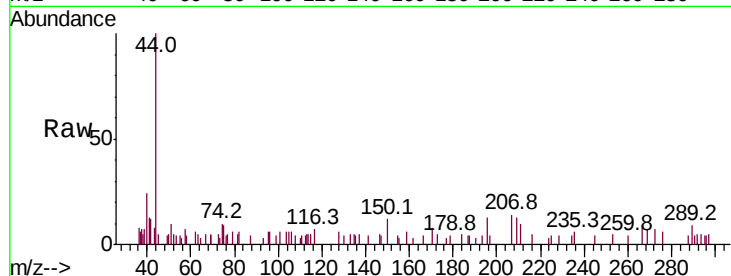
Ion Ratio Lower Upper

41 100

39 27.6 42.0 63.0#

67 22.3 61.4 92.0#

52 21.3 42.1 63.1#



#42

1,2-Dichloroethane

Concen: 12.165 ug/l

RT: 5.19 min Scan# 472

Delta R.T. 0.03 min

Lab File: VF062818.D

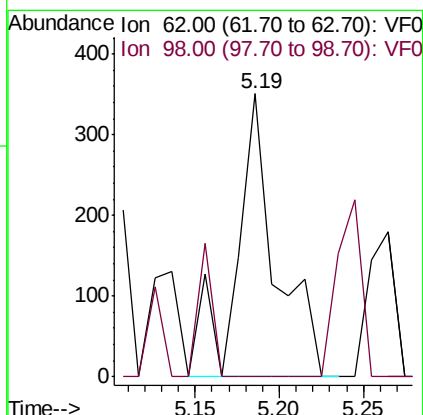
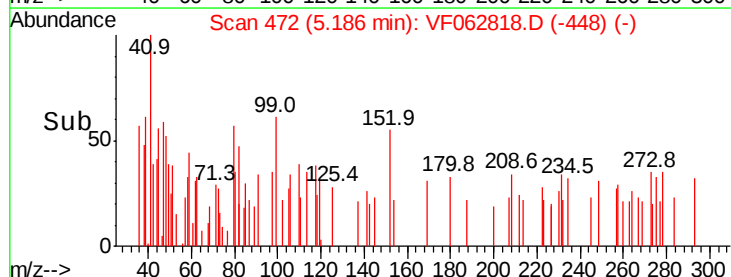
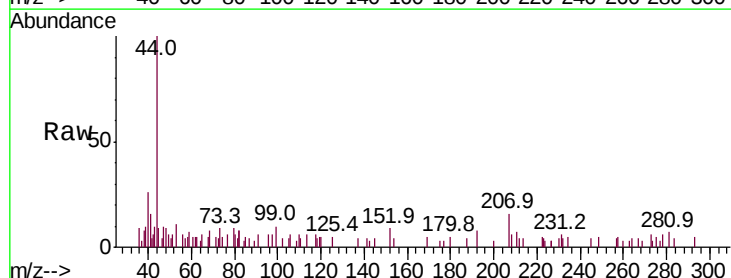
Acq: 31 May 2019 19:34

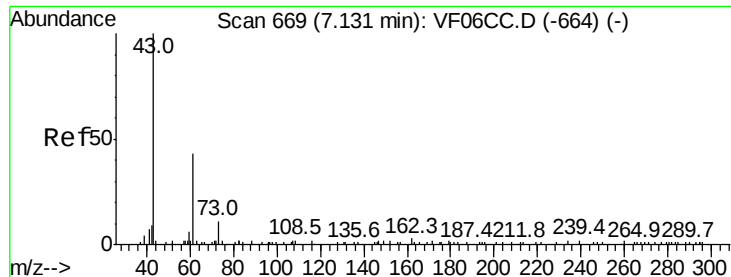
Tgt Ion: 62 Resp: 569

Ion Ratio Lower Upper

62 100

98 0.0 0.0 24.0





#43

Isopropyl Acetate

Concen: 15.772 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

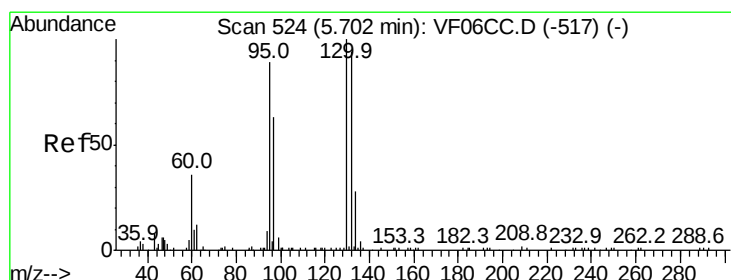
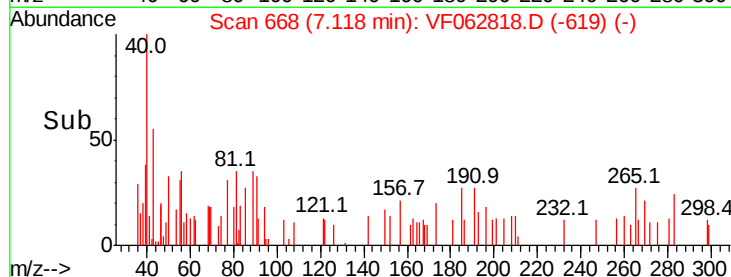
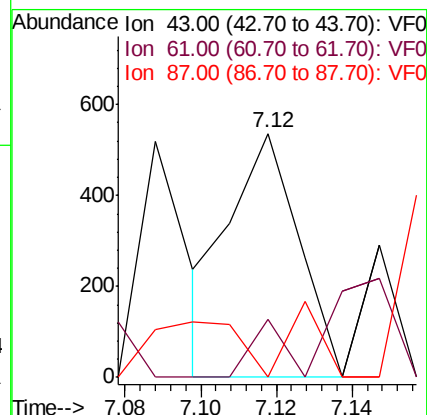
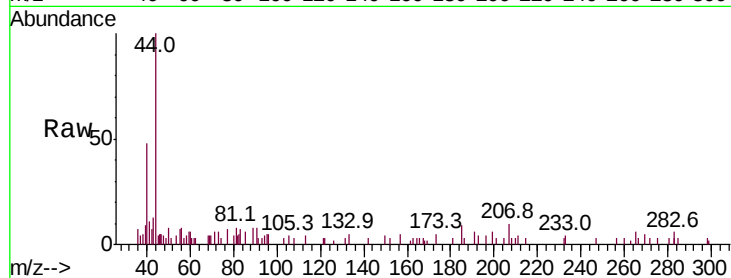
Tot Ion: 43 Resp: 673

Ion Ratio Lower Upper

43 100

61 24.1 29.8 44.6#

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 4.322 ug/l

RT: 5.72 min Scan# 526

Delta R.T. 0.01 min

Lab File: VF062818.D

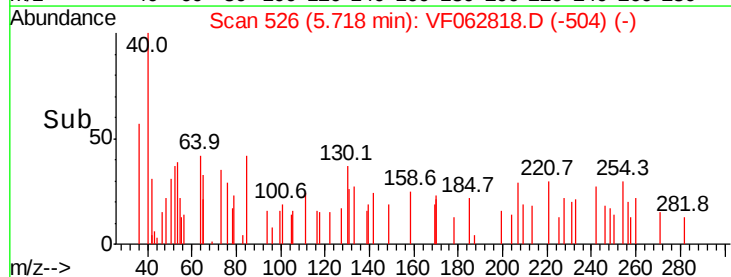
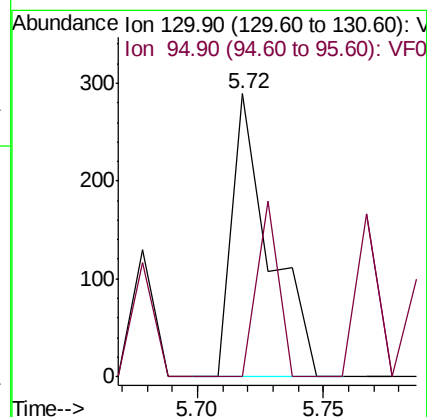
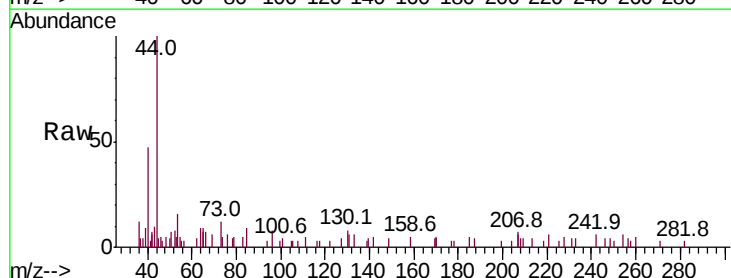
Acq: 31 May 2019 19:34

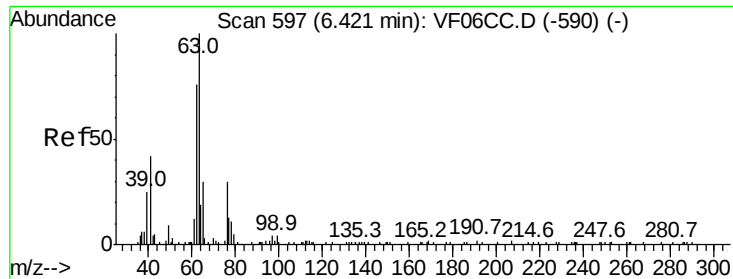
Tgt Ion:130 Resp: 300

Ion Ratio Lower Upper

130 100

95 0.0 0.0 188.2





#45

1,2-Dichloropropane

Concen: 4.375 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

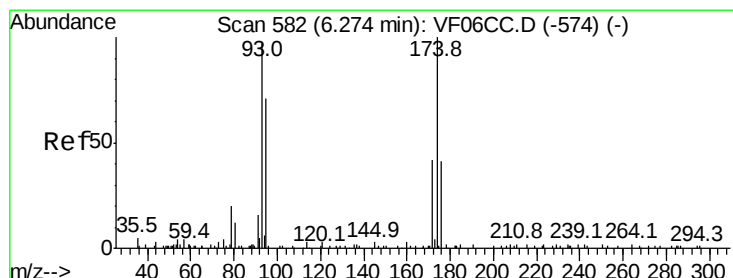
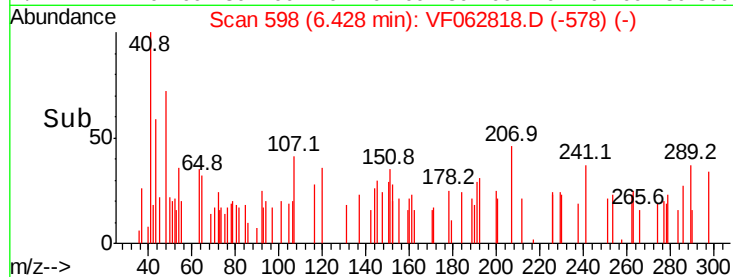
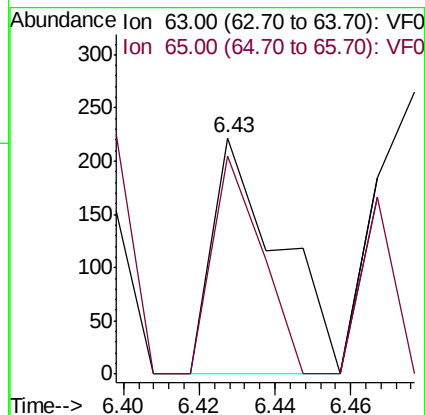
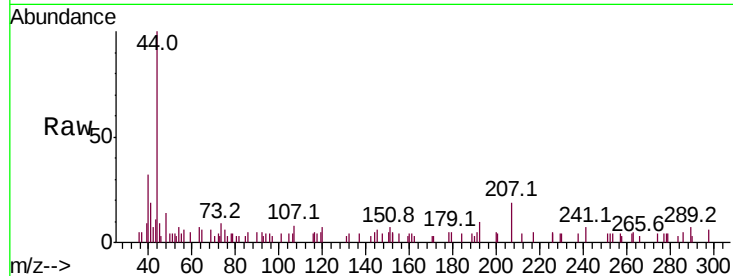
CL-02-053119-E

Tot Ion: 63 Resp: 270

Ion Ratio Lower Upper

63 100

65 92.3 24.2 36.2#



#46

Dibromomethane

Concen: 2.692 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

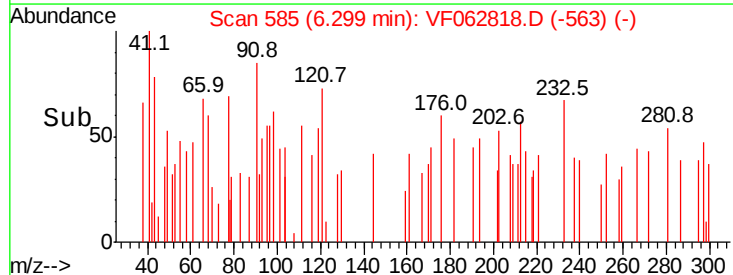
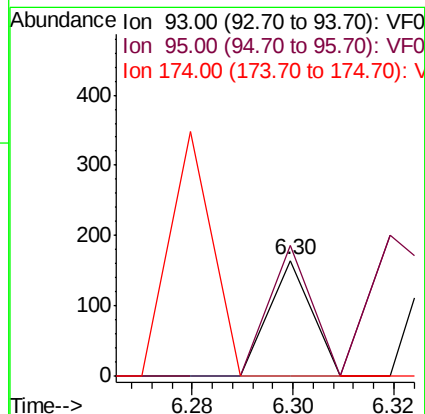
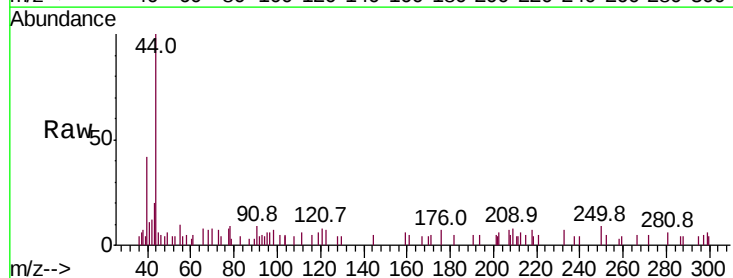
Tgt Ion: 93 Resp: 97

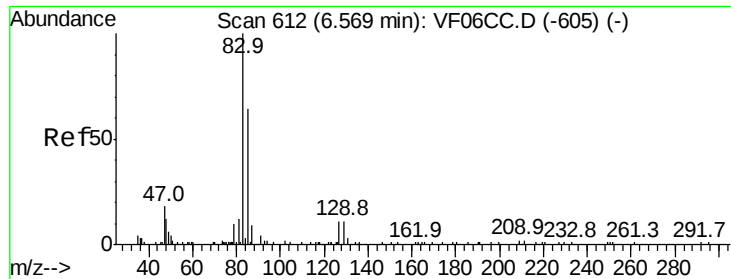
Ion Ratio Lower Upper

93 100

95 112.8 67.9 101.9#

174 0.0 85.0 127.4#





#47

Bromodichloromethane

Concen: 3.870 ug/l

RT: 6.61 min Scan# 616

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

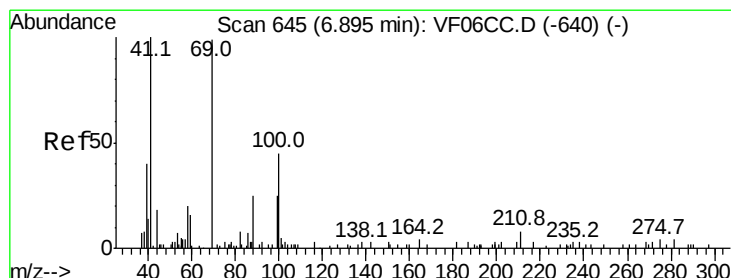
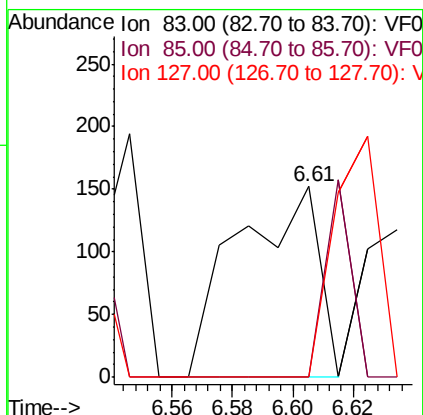
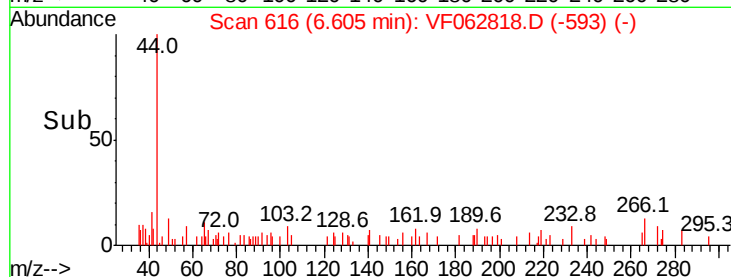
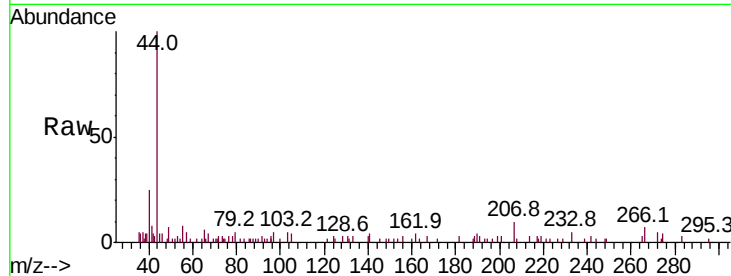
Tot Ion: 83 Resp: 284

Ion Ratio Lower Upper

83 100

85 88.2 54.2 81.4#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 33.514 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

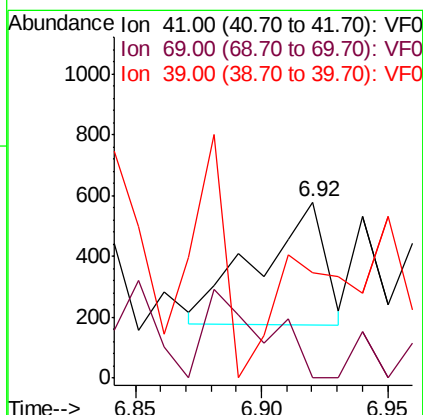
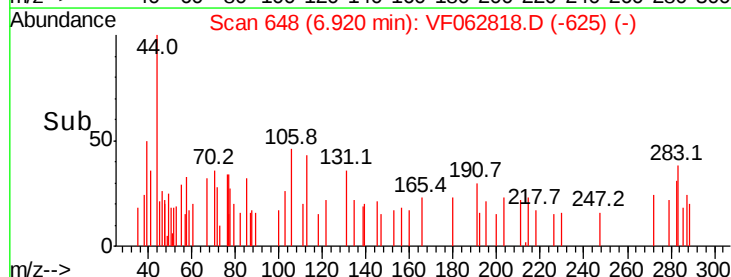
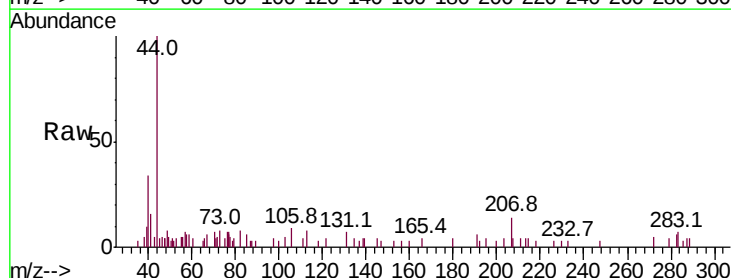
Tgt Ion: 41 Resp: 737

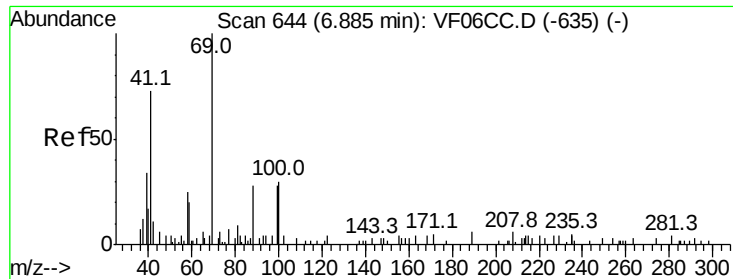
Ion Ratio Lower Upper

41 100

69 0.0 79.4 119.2#

39 59.9 39.8 59.6#





#49

1,4-Dioxane

Concen: 793.466 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

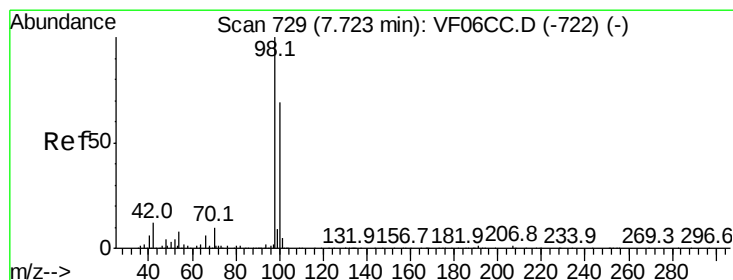
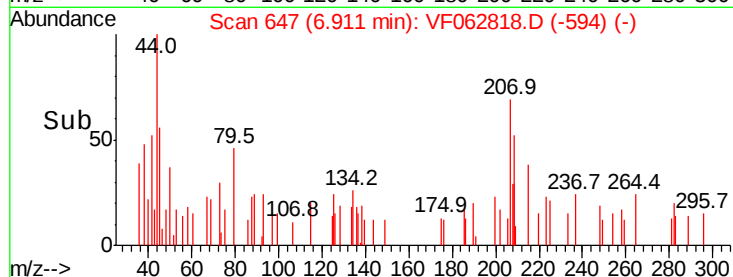
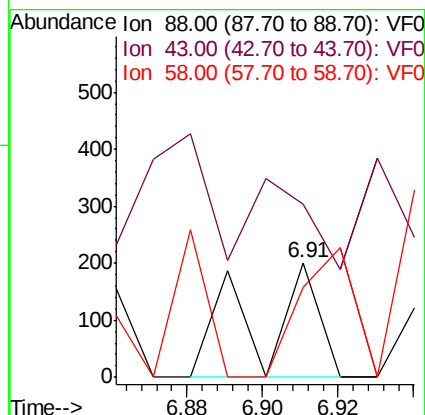
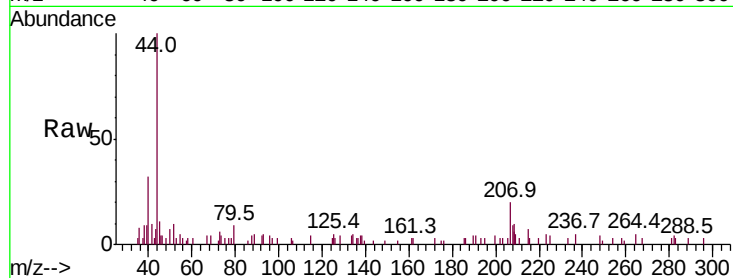
Tot Ion: 88 Resp: 230

Ion Ratio Lower Upper

88 100

43 151.2 34.8 52.2#

58 78.6 59.9 89.9



#50

Toluene-d8

Concen: 22.081 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062818.D

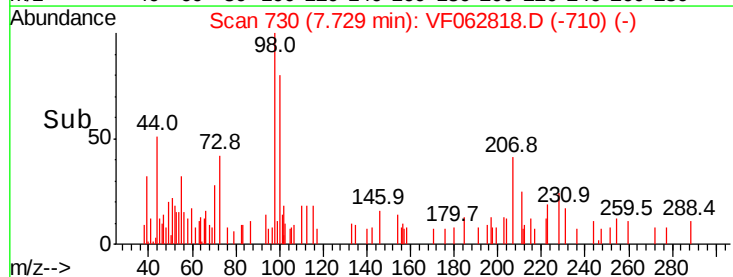
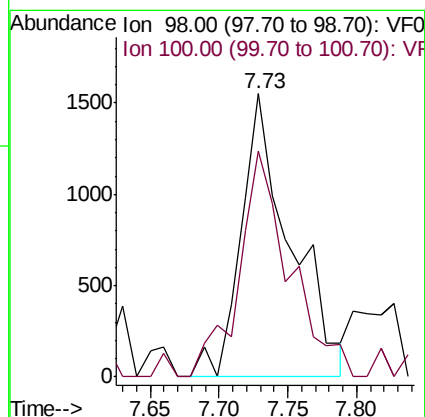
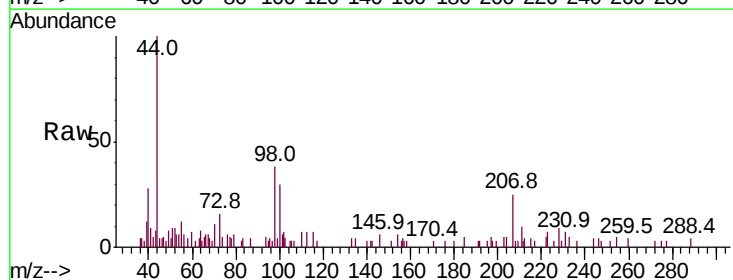
Acq: 31 May 2019 19:34

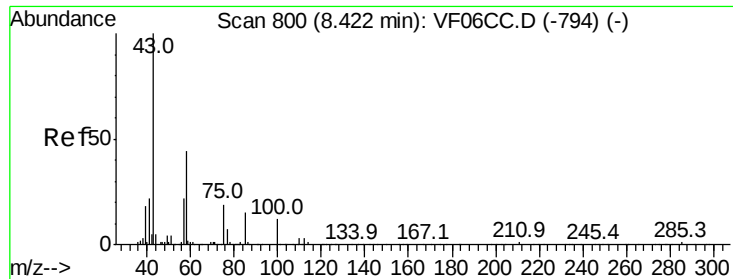
Tgt Ion: 98 Resp: 3873

Ion Ratio Lower Upper

98 100

100 79.6 59.8 89.8

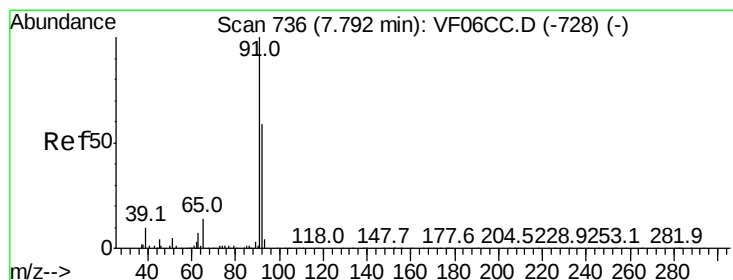
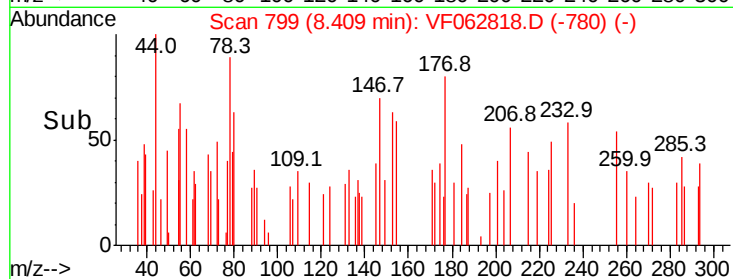
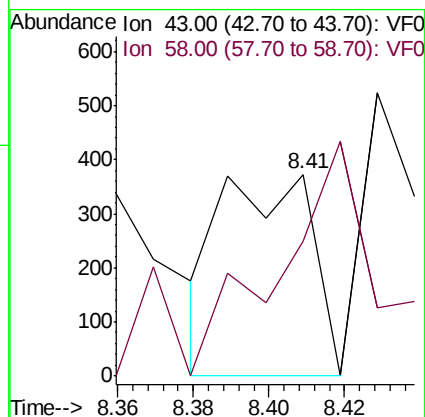
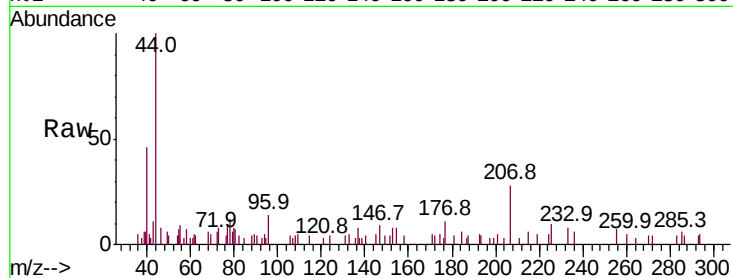




#51
4-Methyl-2-Pentanone
Concen: 20.089 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.02 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

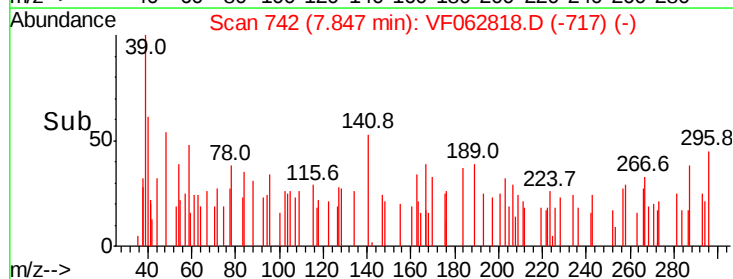
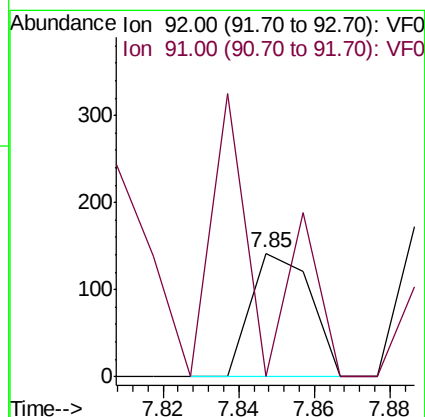
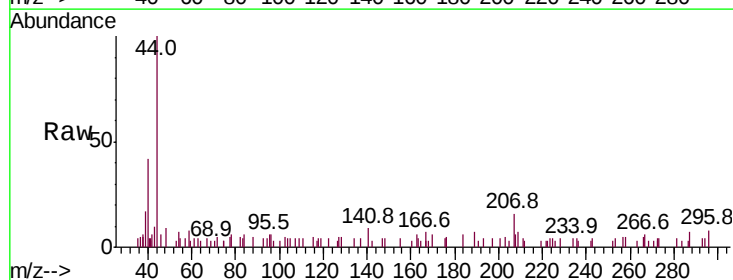
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

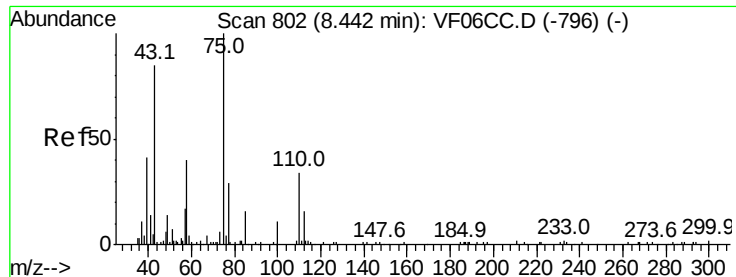
Tot Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 66.8 35.5 53.3#



#52
Toluene
Concen: 1.178 ug/l
RT: 7.85 min Scan# 742
Delta R.T. 0.04 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion: 92 Resp: 156
Ion Ratio Lower Upper
92 100
91 0.0 123.2 184.8#





#53

t-1,3-Dichloropropene

Concen: 5.657 ug/l

RT: 8.48 min Scan# 806

Delta R.T. 0.03 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

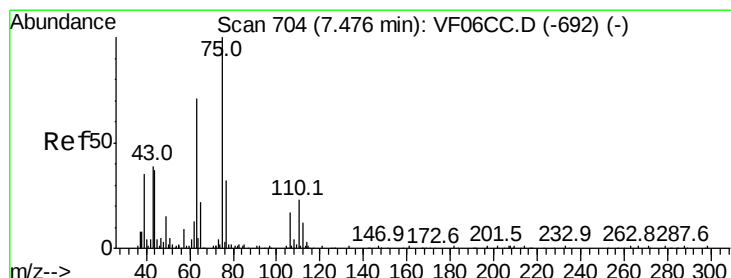
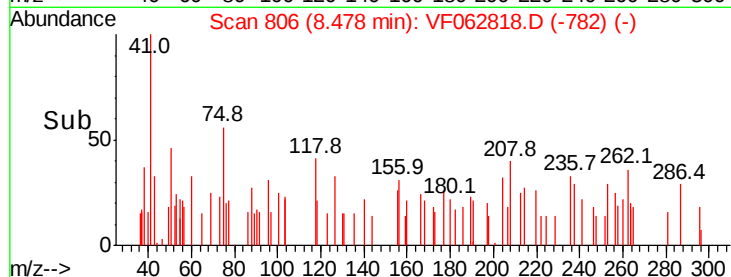
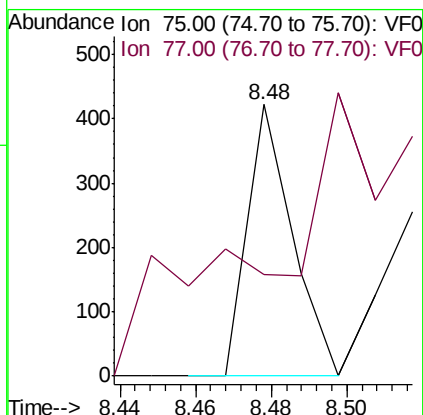
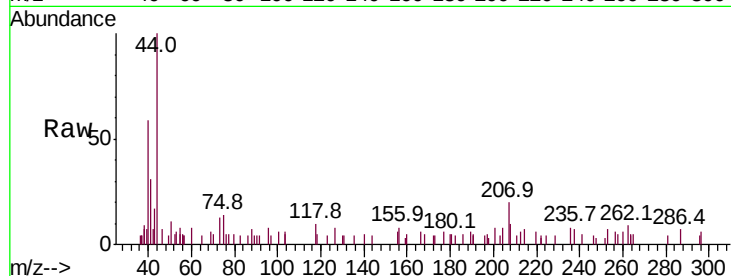
CL-02-053119-E

Tot Ion: 75 Resp: 344

Ion Ratio Lower Upper

75 100

77 37.4 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 2.693 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

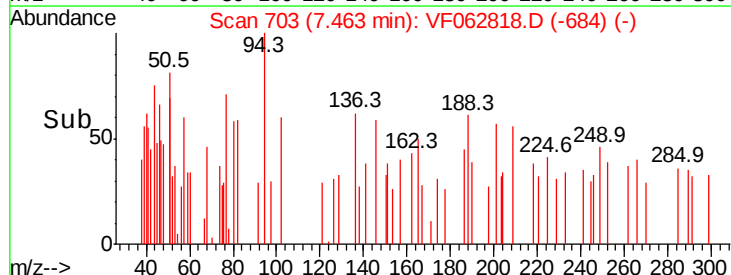
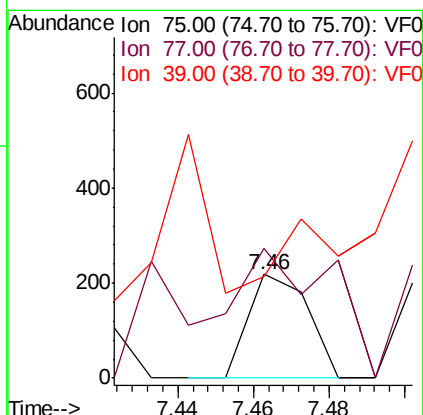
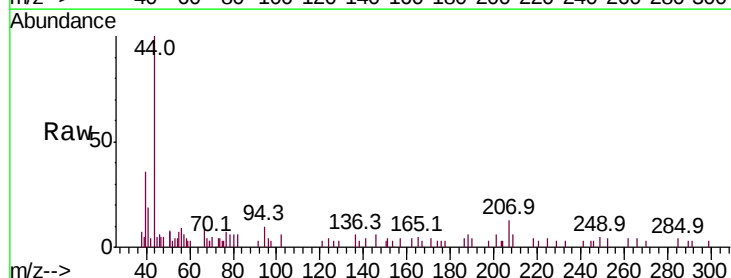
Tgt Ion: 75 Resp: 237

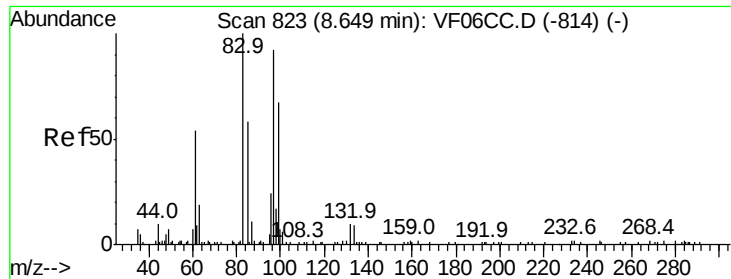
Ion Ratio Lower Upper

75 100

77 124.7 25.8 38.8#

39 98.2 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 5.383 ug/l

RT: 8.68 min Scan# 826

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

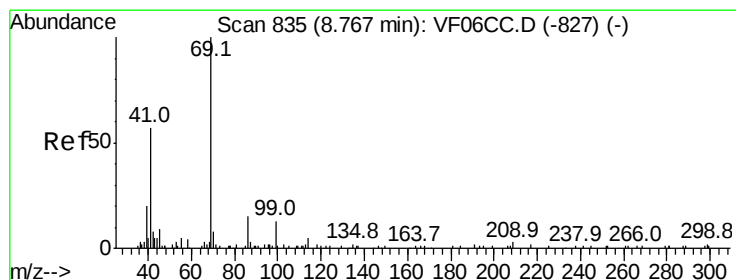
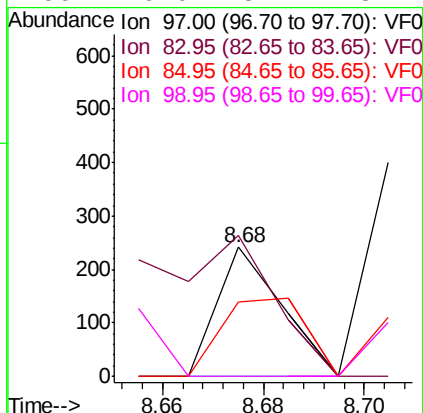
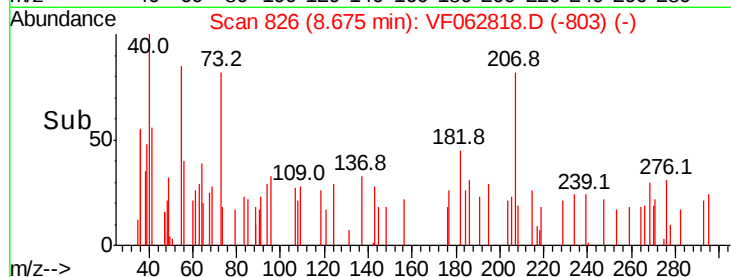
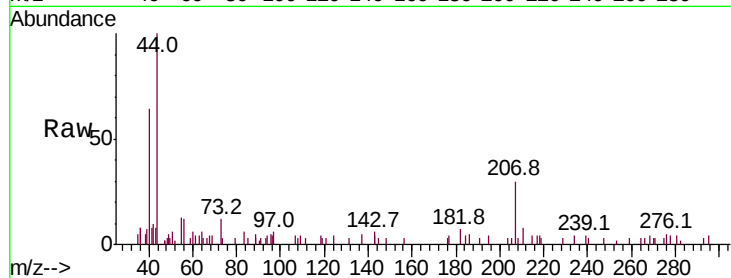
MSVOA_F

ClientSampleId :

CL-02-053119-E

Tot Ion: 97 Resp: 213

Ion	Ratio	Lower	Upper
97	100		
83	109.1	72.0	108.0#
85	57.0	47.5	71.3
99	0.0	54.1	81.1#



#56

Ethyl methacrylate

Concen: 40.273 ug/l

RT: 8.78 min Scan# 837

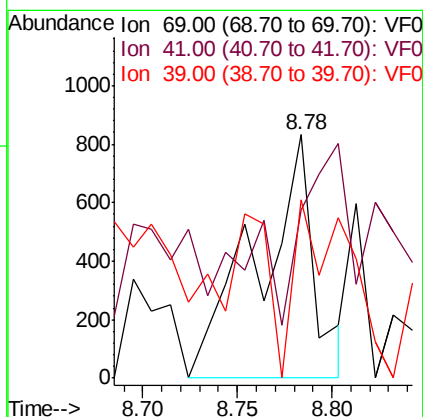
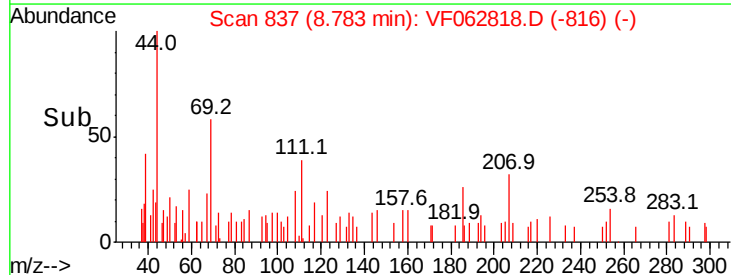
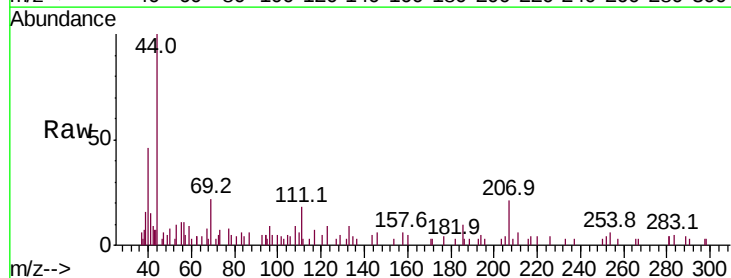
Delta R.T. 0.00 min

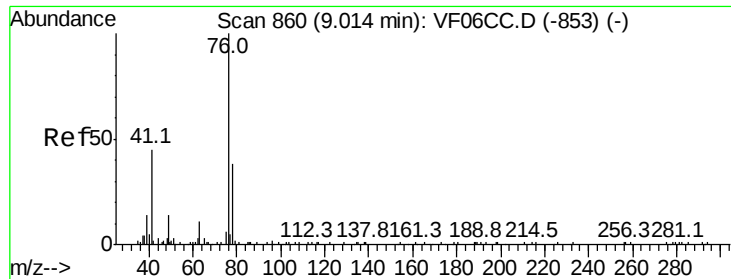
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Tgt Ion: 69 Resp: 1710

Ion	Ratio	Lower	Upper
69	100		
41	68.9	46.6	69.8
39	73.0	19.6	29.4#





#57

1,3-Dichloropropane

Concen: 3.172 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.01 min

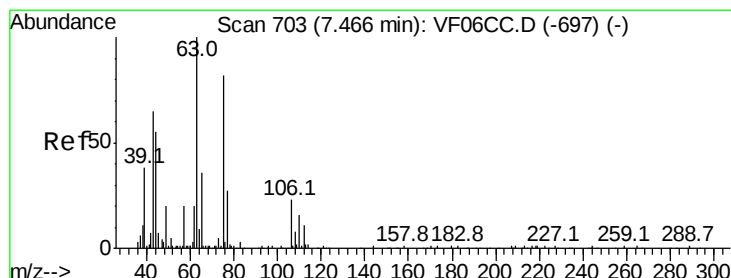
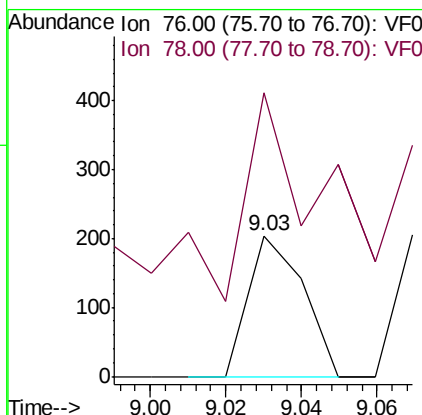
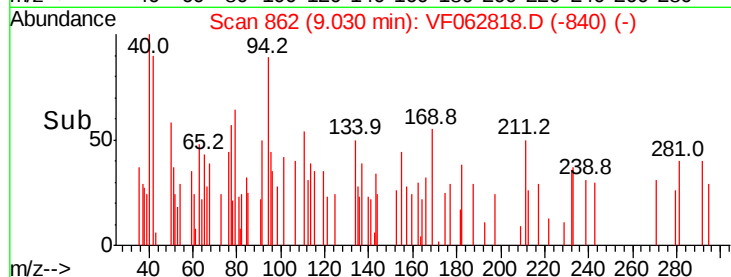
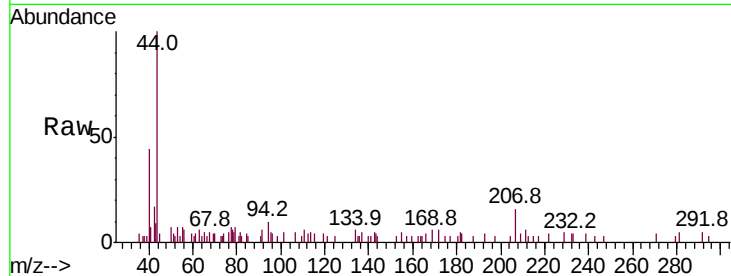
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

Tot Ion: 76 Resp: 205

Ion	Ratio	Lower	Upper
76	100		
78	201.5	26.8	40.2#



#58

2-Chloroethyl Vinyl ether

Concen: 8.154 ug/l

RT: 7.48 min Scan# 705

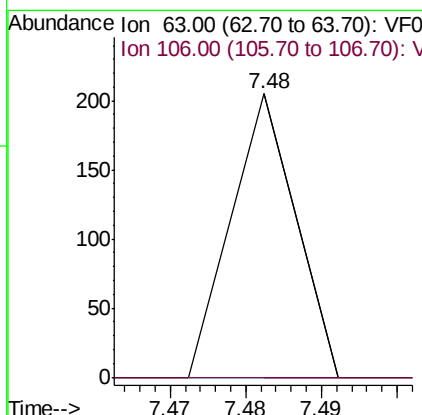
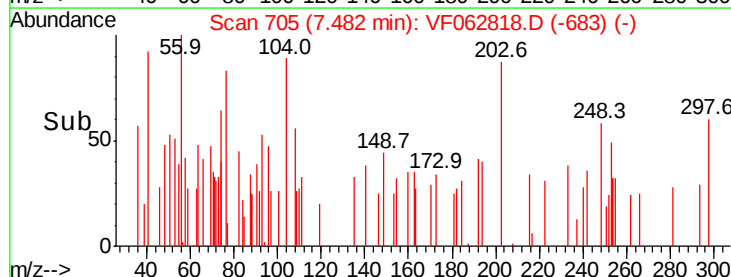
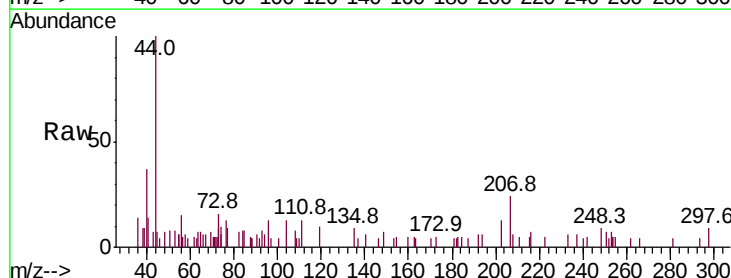
Delta R.T. 0.01 min

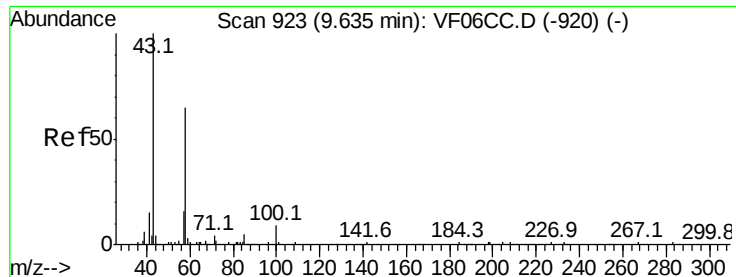
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Tgt Ion: 63 Resp: 121

Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.5	29.3#

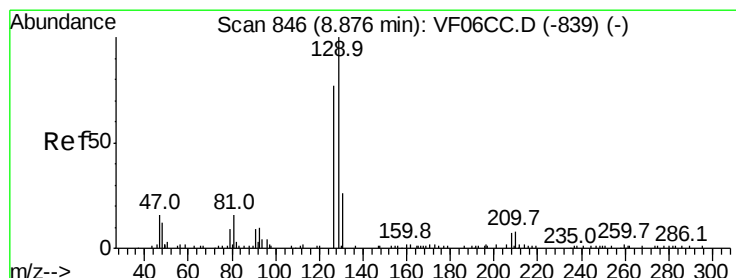
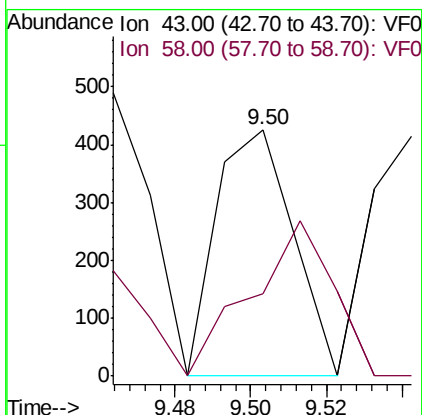
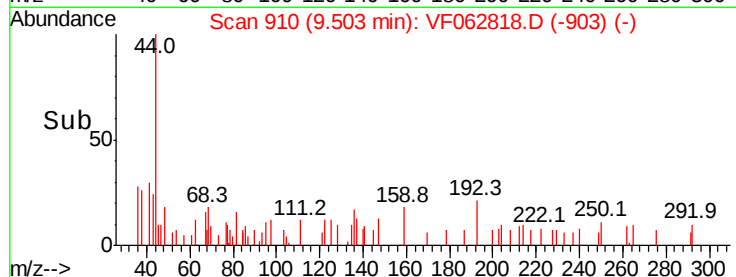
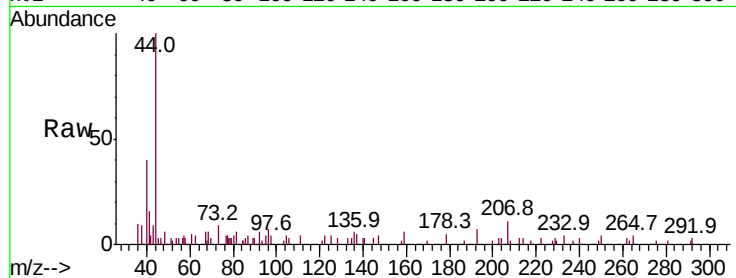




#59
2-Hexanone
Concen: 27.448 ug/l
RT: 9.50 min Scan# 910
Delta R.T. -0.13 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

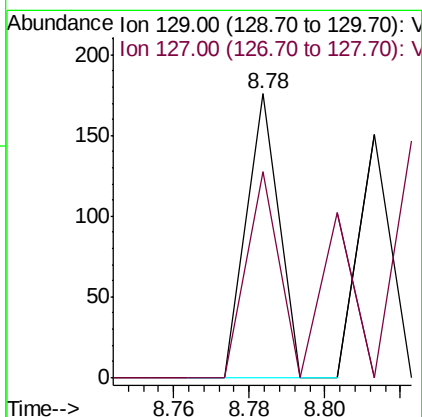
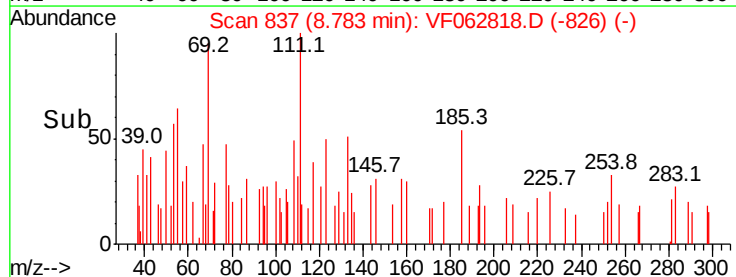
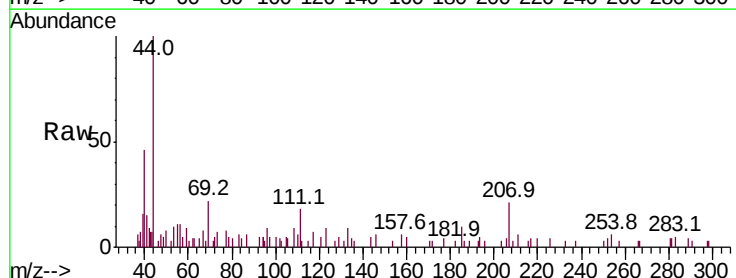
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

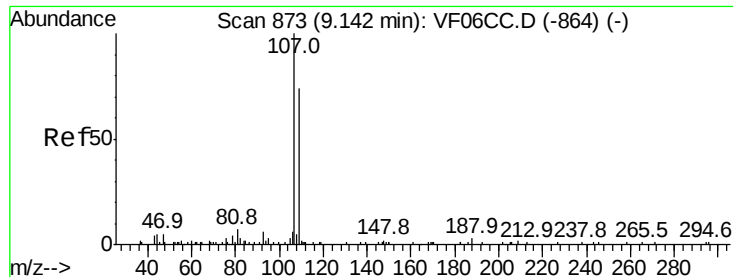
Tot Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
58 33.3 29.3 87.9



#60
Dibromochloromethane
Concen: 2.123 ug/l
RT: 8.78 min Scan# 837
Delta R.T. -0.09 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion:129 Resp: 104
Ion Ratio Lower Upper
129 100
127 72.7 37.1 111.3





#61

1,2-Dibromoethane

Concen: 9.976 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

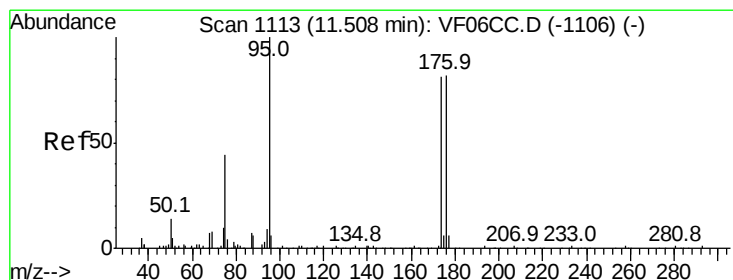
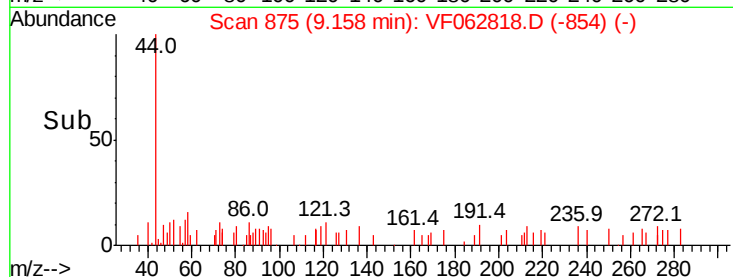
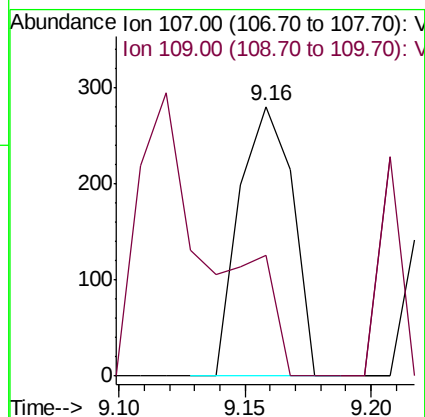
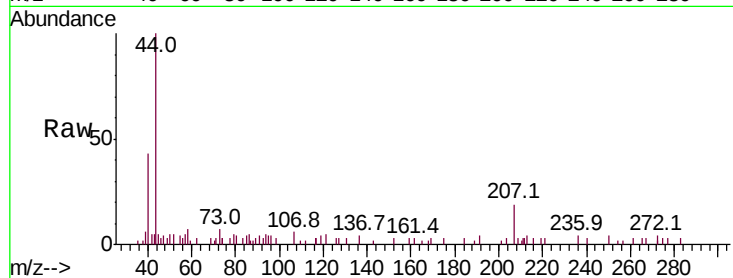
CL-02-053119-E

Tot Ion:107 Resp: 410

Ion Ratio Lower Upper

107 100

109 44.6 78.1 117.1#



#62

4-Bromofluorobenzene

Concen: 5.595 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

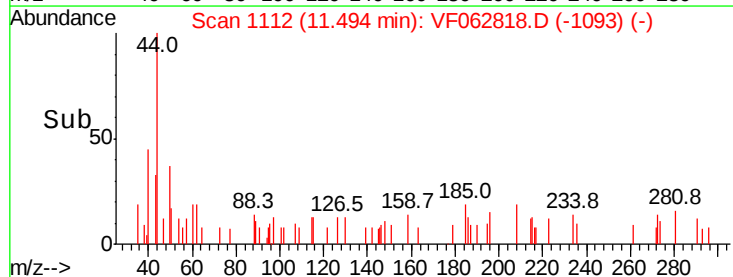
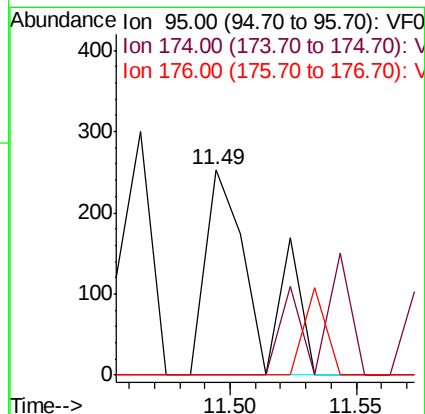
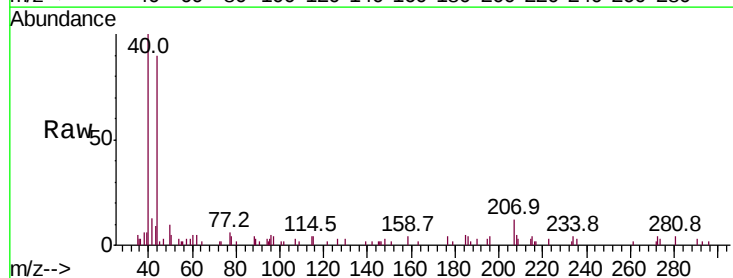
Tgt Ion: 95 Resp: 353

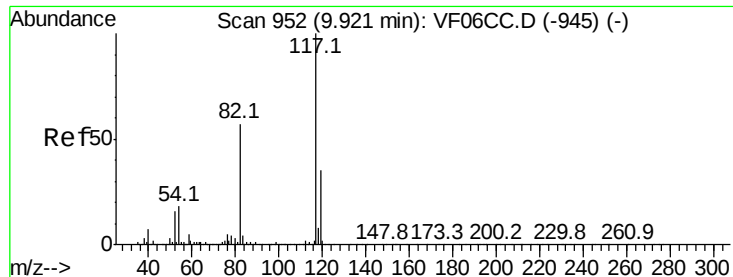
Ion Ratio Lower Upper

95 100

174 0.0 0.0 170.6

176 0.0 0.0 170.6

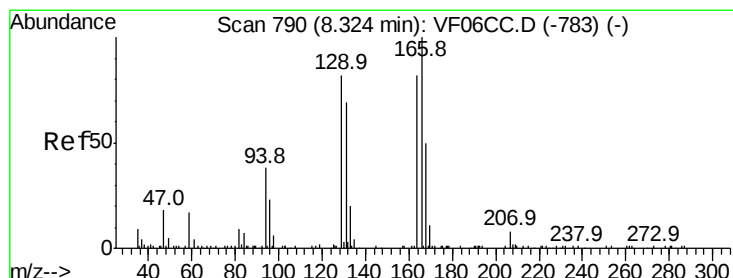
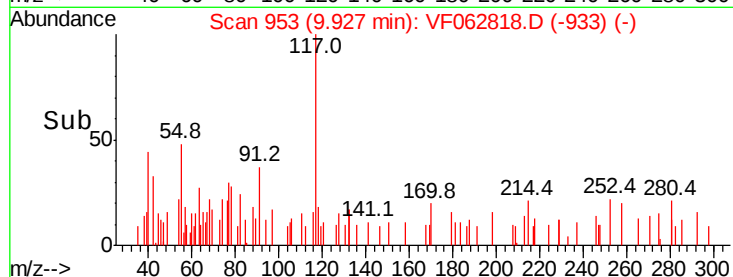
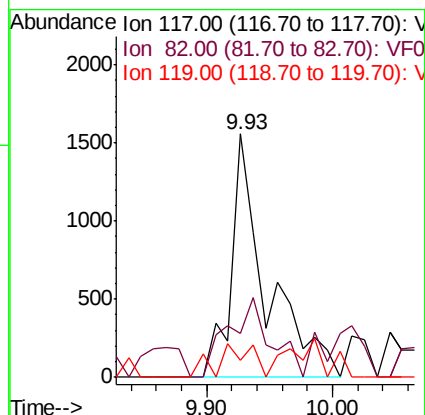
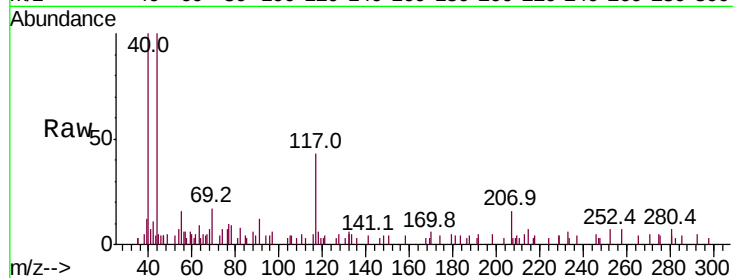




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

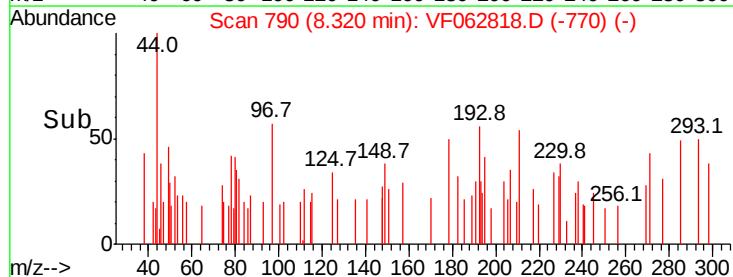
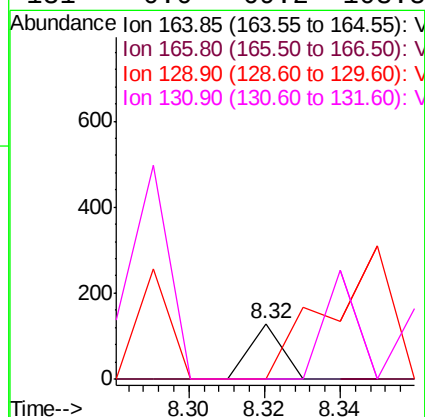
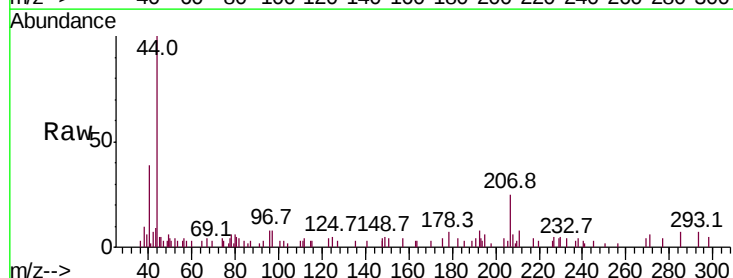
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

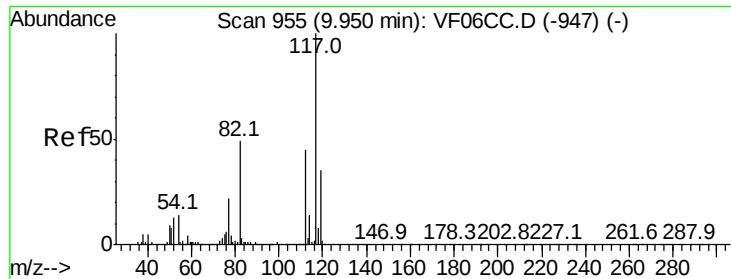
Tot Ion:117 Resp: 3004
Ion Ratio Lower Upper
117 100
82 18.2 42.4 63.6#
119 6.8 27.1 40.7#



#64
Tetrachloroethene
Concen: 3.292 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion:164 Resp: 76
Ion Ratio Lower Upper
164 100
166 0.0 99.1 148.7#
129 0.0 69.5 104.3#
131 0.0 69.2 103.8#





#65

Chlorobenzene

Concen: 2.344 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

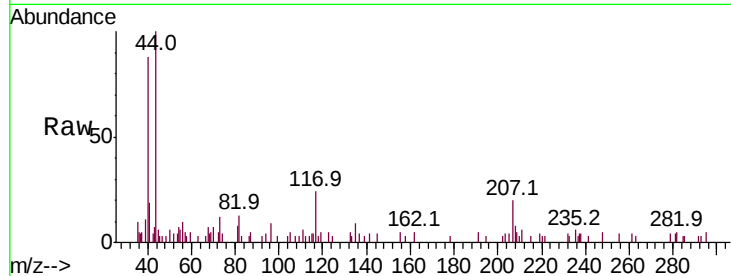
CL-02-053119-E

Tot Ion:112 Resp: 136

Ion Ratio Lower Upper

112 100

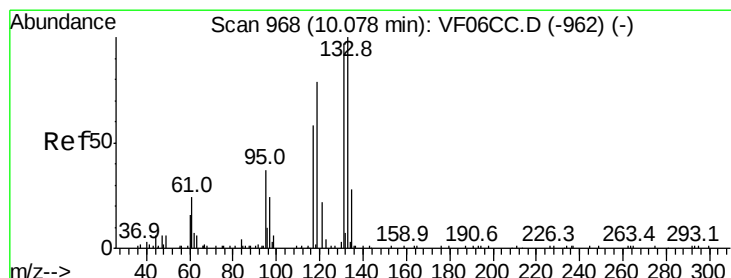
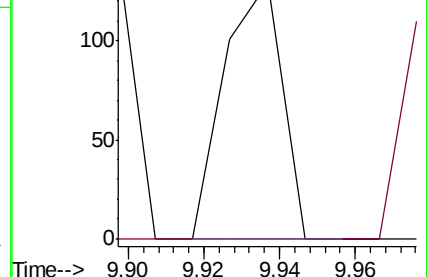
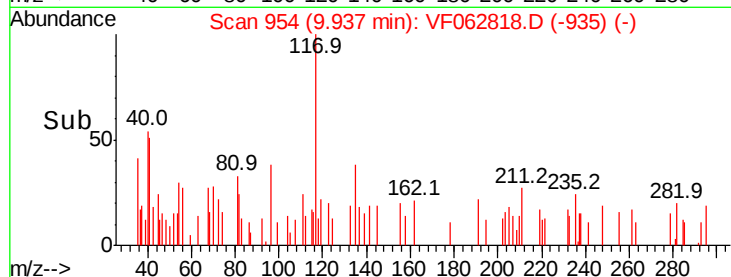
114 0.0 27.4 41.0#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 7.445 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.05 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

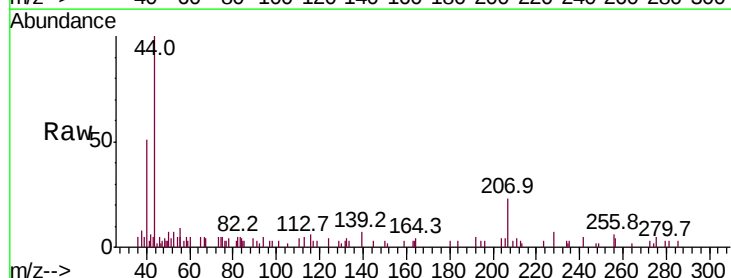
Tgt Ion:131 Resp: 172

Ion Ratio Lower Upper

131 100

133 86.0 48.9 146.7

119 79.3 38.0 114.0

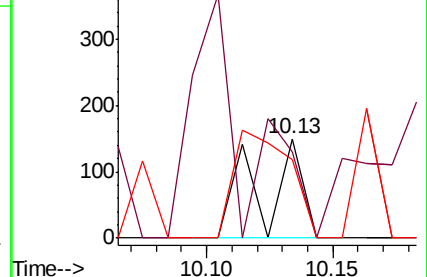
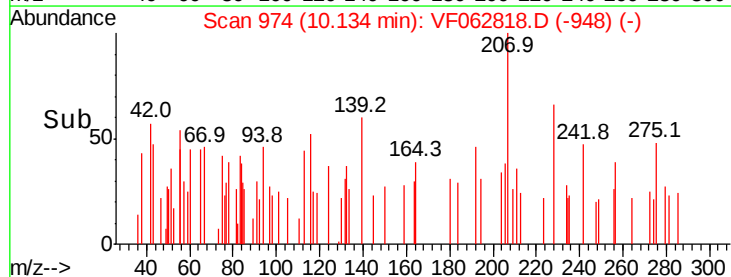


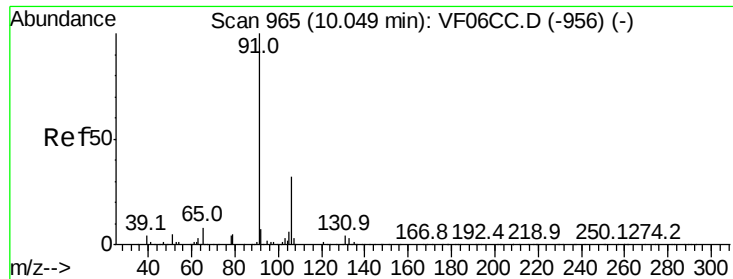
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

Time-->





#67

Ethyl Benzene

Concen: 3.496 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.00 min

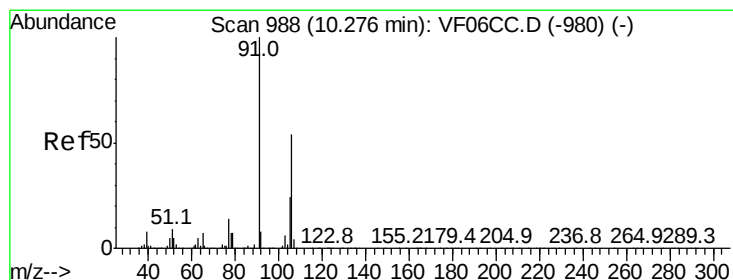
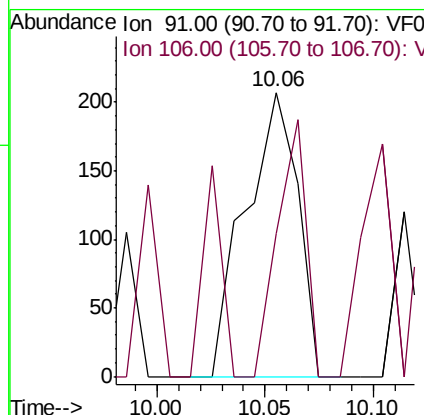
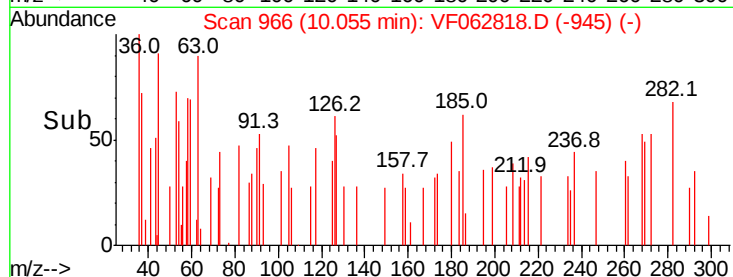
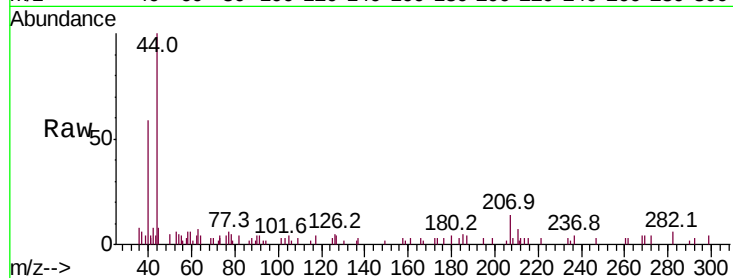
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

Tot Ion: 91 Resp: 348

Ion	Ratio	Lower	Upper
91	100		
106	50.2	26.0	39.0#



#68

m/p-Xylenes

Concen: 3.938 ug/l

RT: 10.28 min Scan# 989

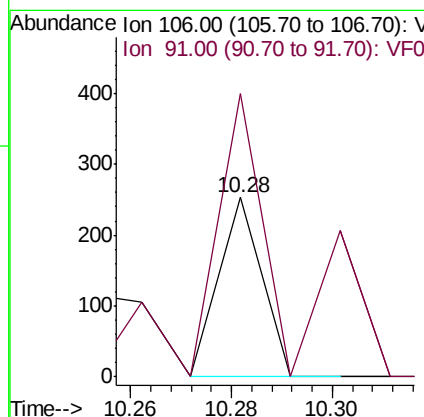
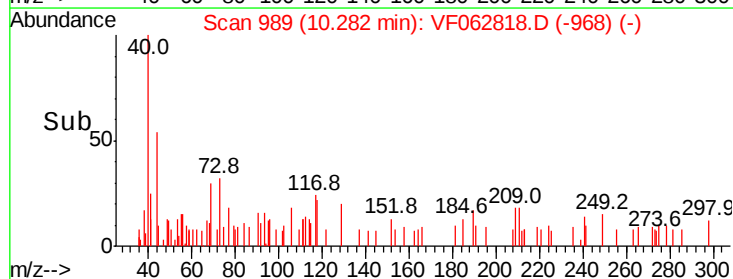
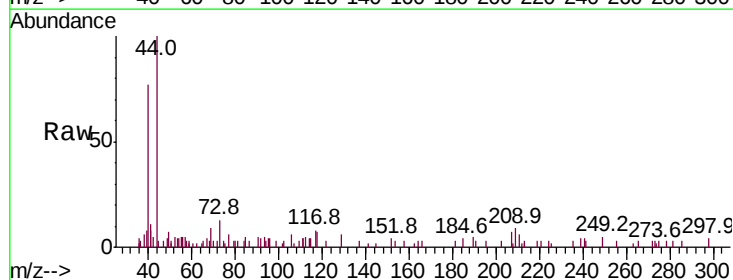
Delta R.T. 0.00 min

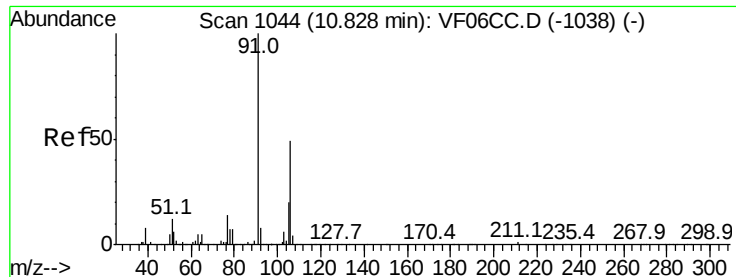
Lab File: VF062818.D

Acq: 31 May 2019 19:34

Tgt Ion: 106 Resp: 150

Ion	Ratio	Lower	Upper
106	100		
91	157.7	136.2	204.4

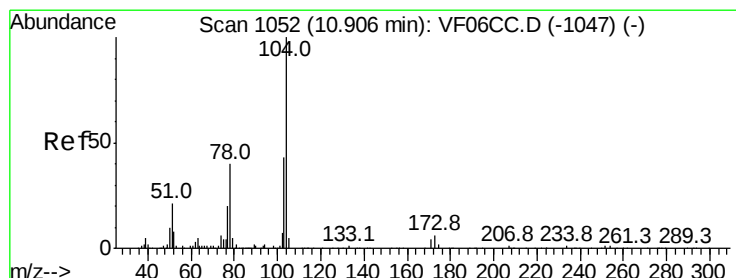
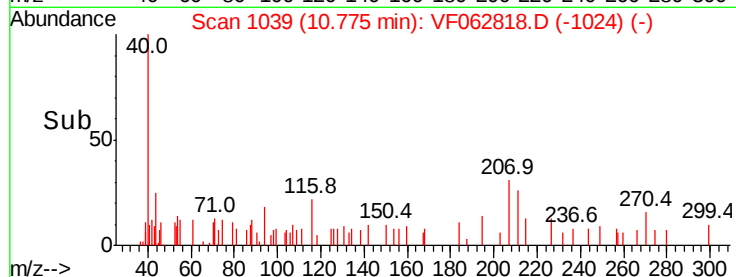
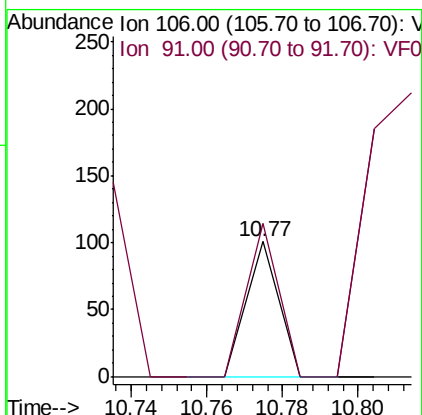
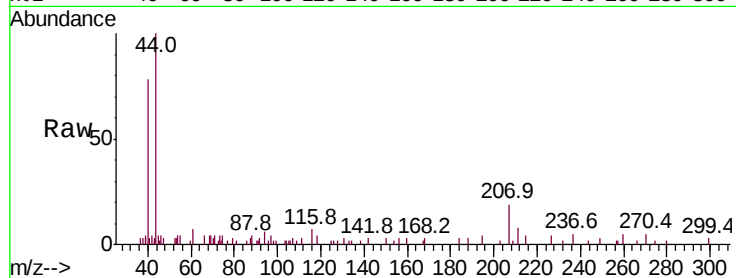




#69
o-Xylene
Concen: 1.556 ug/l
RT: 10.77 min Scan# 1039
Delta R.T. -0.06 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

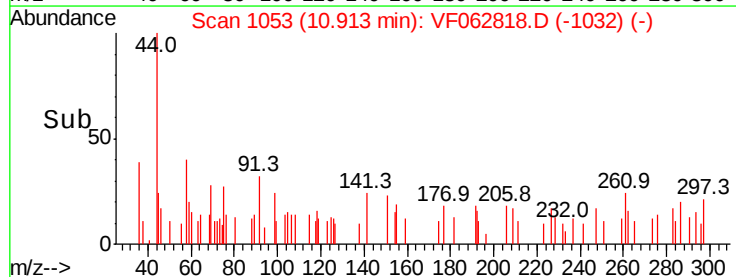
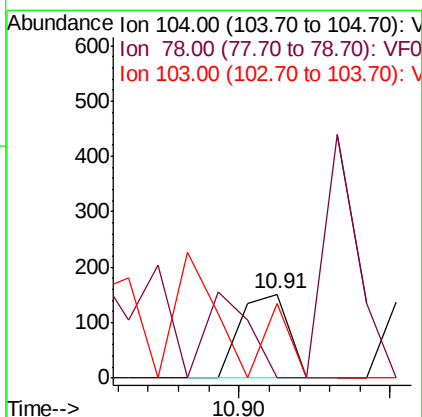
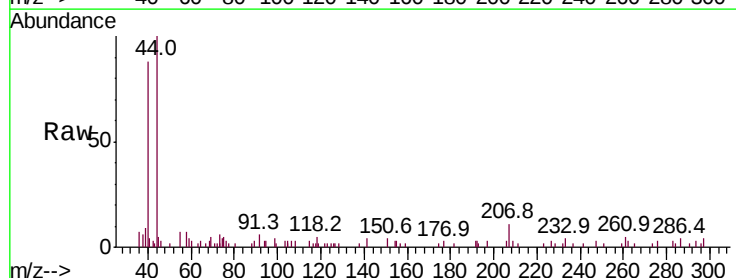
Instrument :
MSVOA_F
ClientSampleId :
CL-02-053119-E

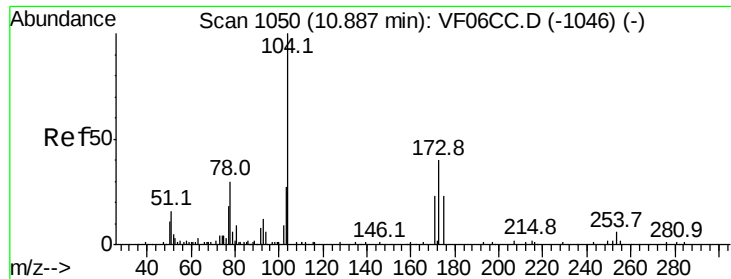
Tot Ion:106 Resp: 60
Ion Ratio Lower Upper
106 100
91 112.9 96.6 289.8



#70
Styrene
Concen: 2.973 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062818.D
Acq: 31 May 2019 19:34

Tgt Ion:104 Resp: 169
Ion Ratio Lower Upper
104 100
78 0.0 30.8 46.2#
103 88.7 35.8 53.6#





#71

Bromoform

Concen: 7.128 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

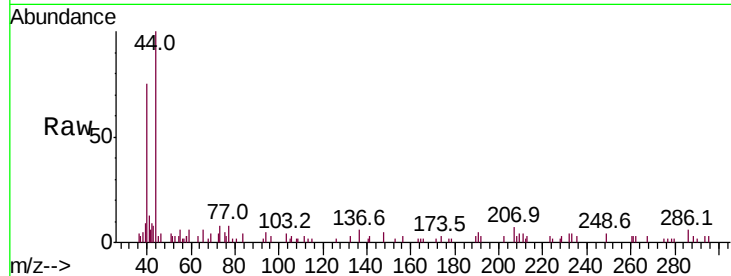
Tot Ion:173 Resp: 79

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

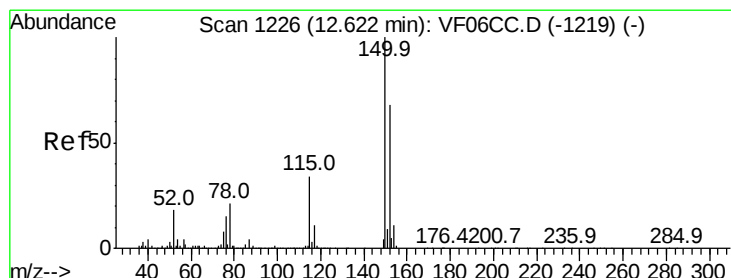
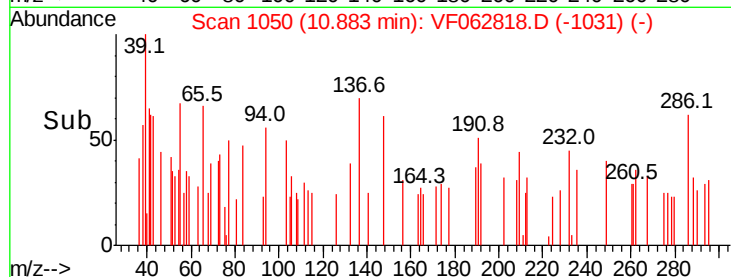
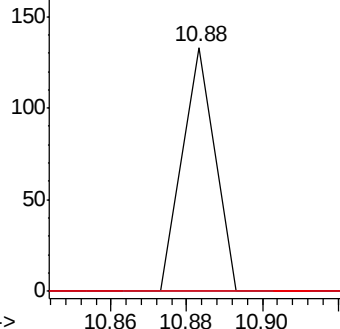
254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

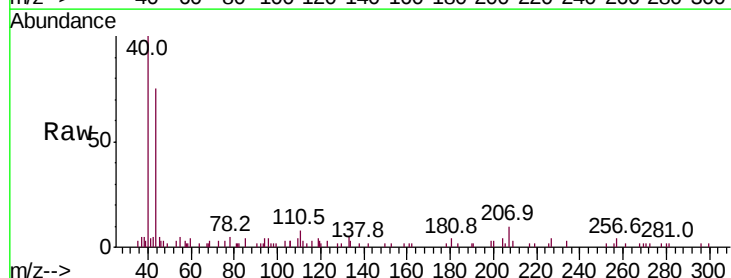
Tgt Ion:152 Resp: 86

Ion Ratio Lower Upper

152 100

115 0.0 24.6 74.0#

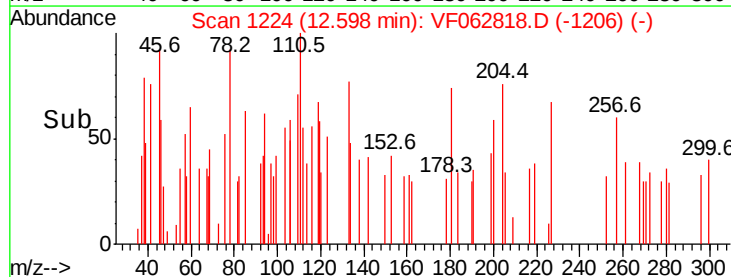
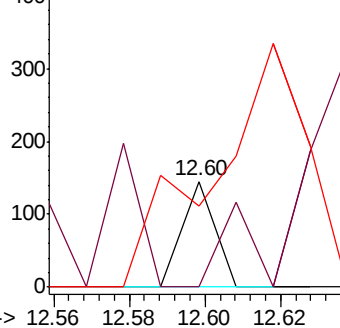
150 77.2 0.0 290.6

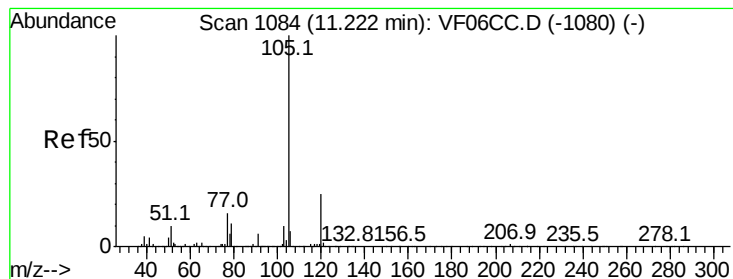


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 27.497 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

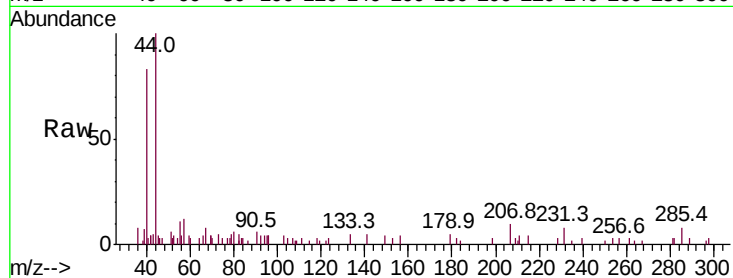
CL-02-053119-E

Tot Ion:105 Resp: 165

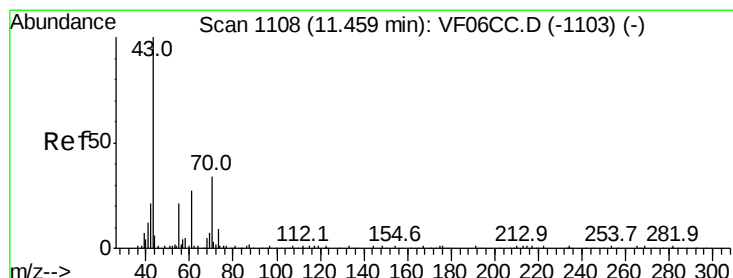
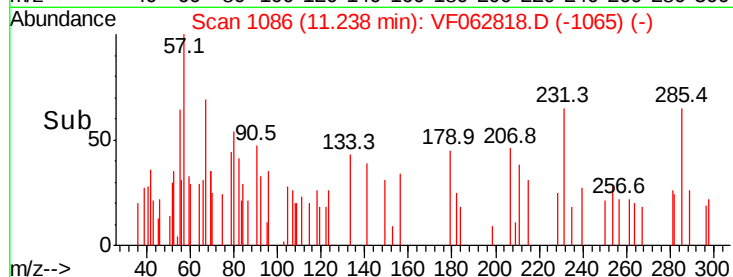
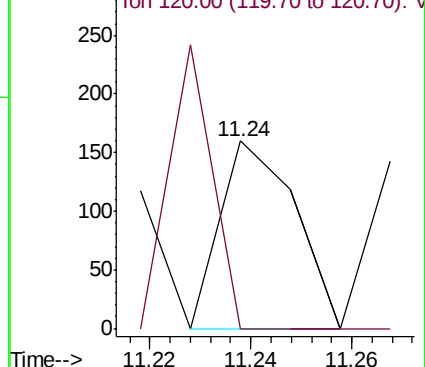
Ion Ratio Lower Upper

105 100

120 0.0 15.1 45.3#



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 581.222 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Tgt Ion: 43 Resp: 983

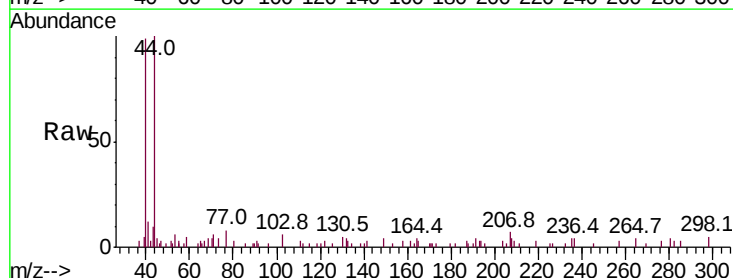
Ion Ratio Lower Upper

43 100

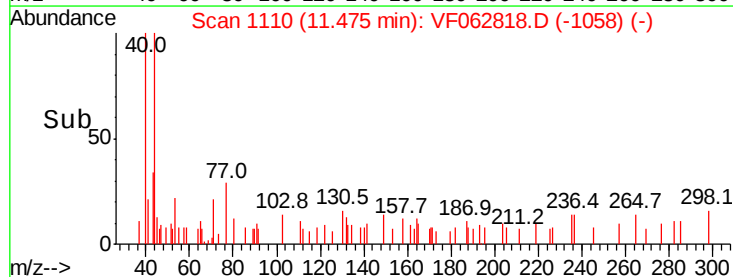
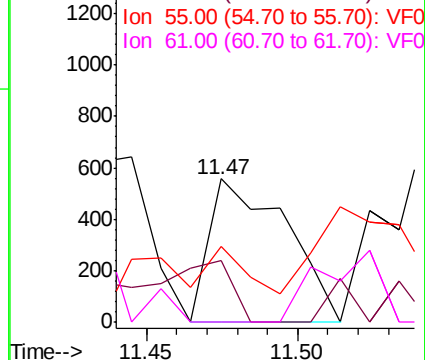
70 43.0 32.9 49.3

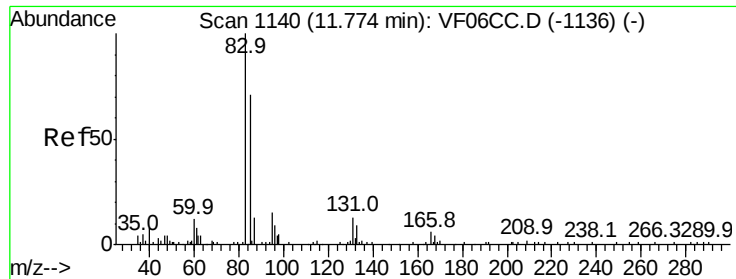
55 52.7 17.3 25.9#

61 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 276.246 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

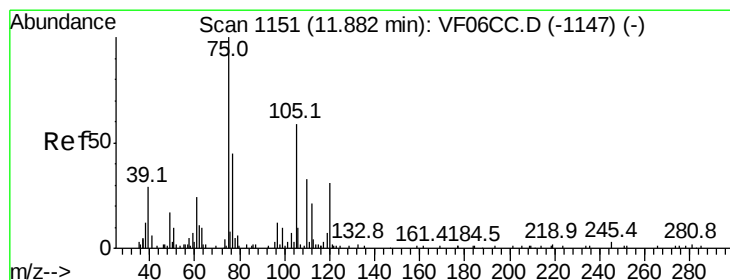
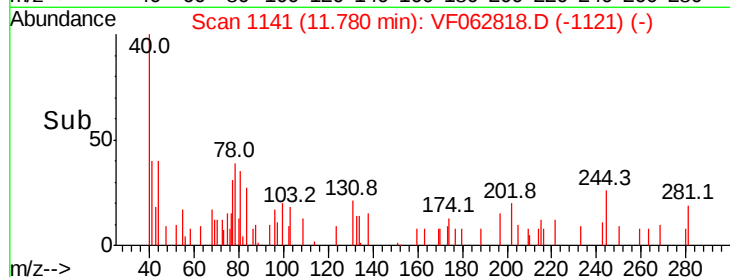
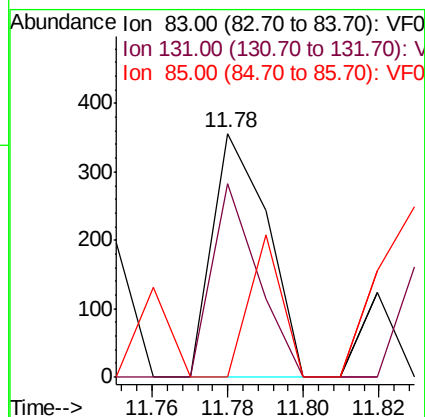
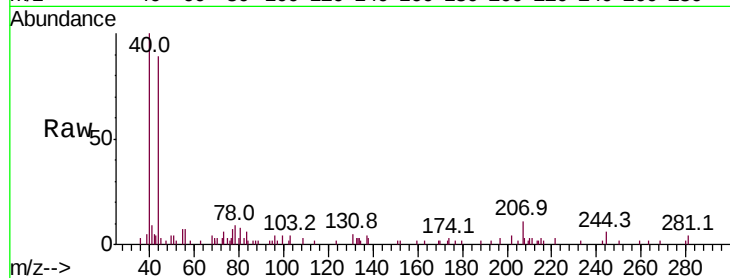
Tot Ion: 83 Resp: 354

Ion Ratio Lower Upper

83 100

131 79.2 4.9 14.7#

85 0.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 692.228 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.04 min

Lab File: VF062818.D

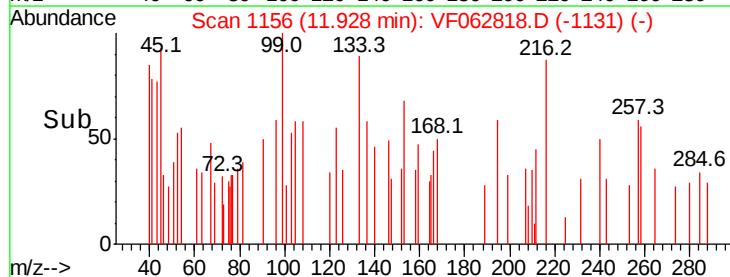
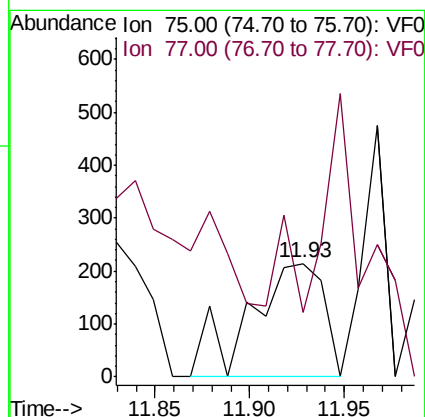
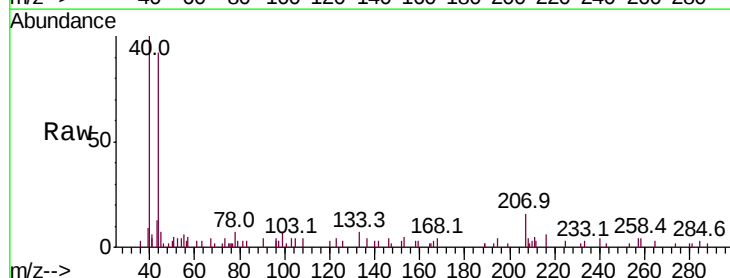
Acq: 31 May 2019 19:34

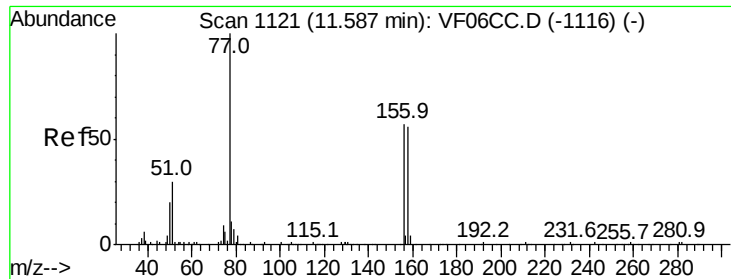
Tgt Ion: 75 Resp: 588

Ion Ratio Lower Upper

75 100

77 57.0 20.1 60.2





#77

Bromobenzene

Concen: 162.495 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. 0.11 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

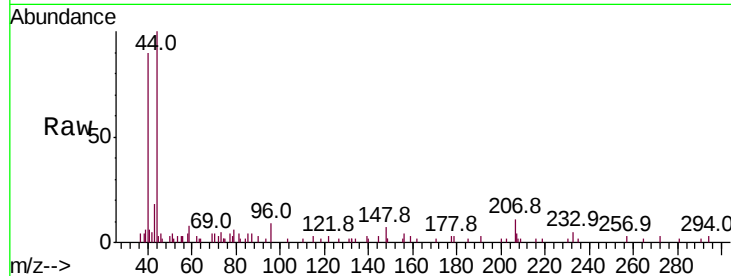
Tot Ion:156 Resp: 245

Ion Ratio Lower Upper

156 100

77 104.4 64.2 192.6

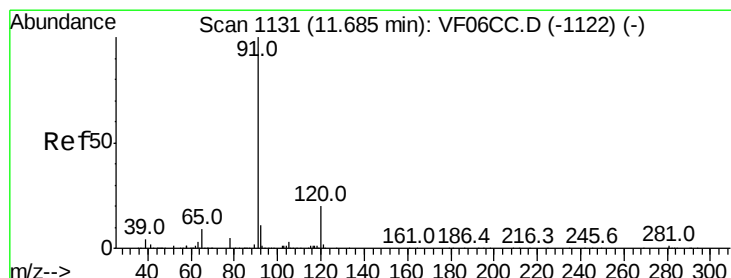
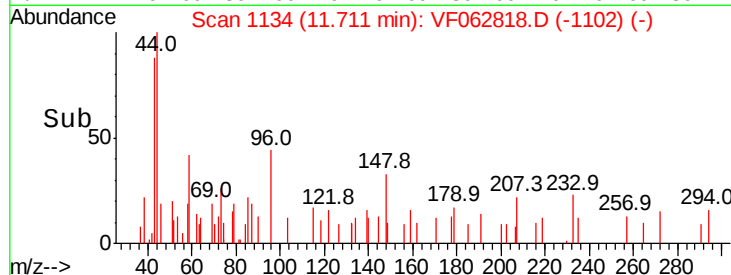
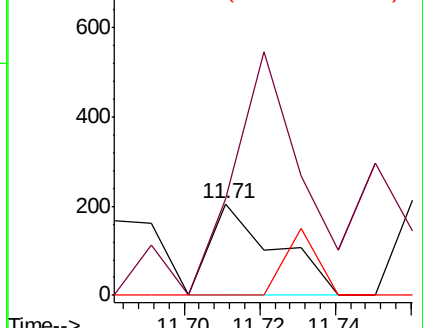
158 89.8 50.3 151.0



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: 8.143 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062818.D

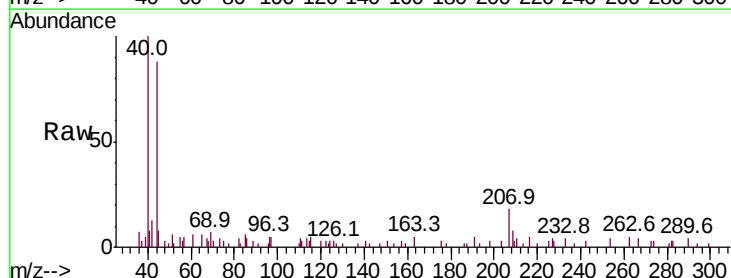
Acq: 31 May 2019 19:34

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

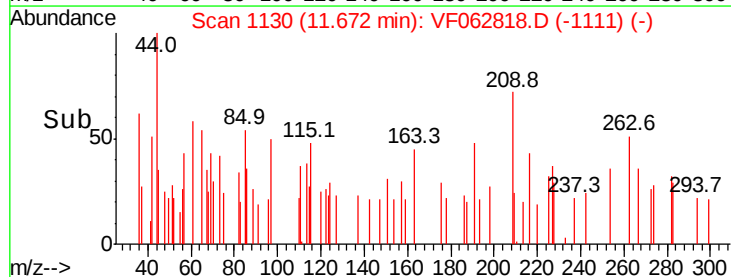
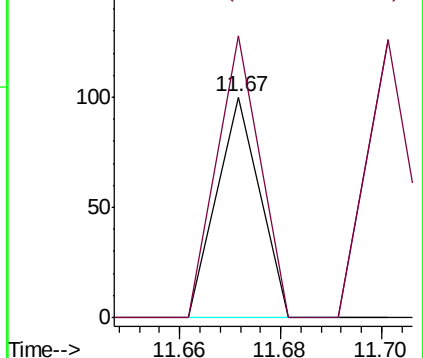
91 100

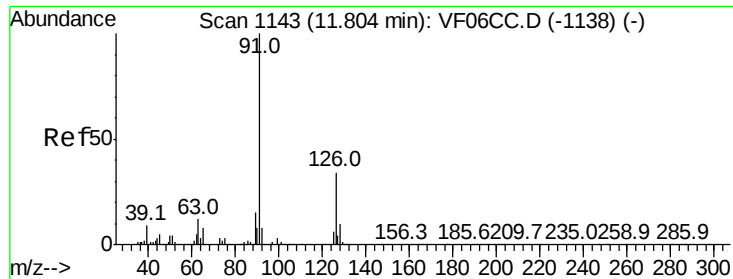
120 128.0 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

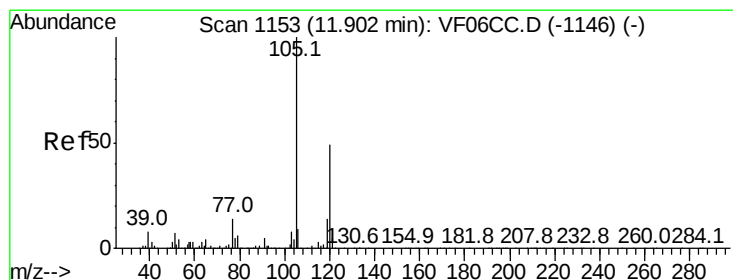
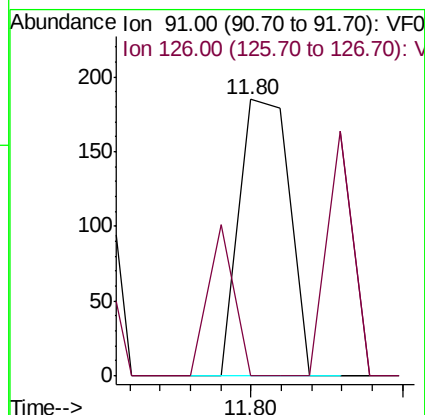
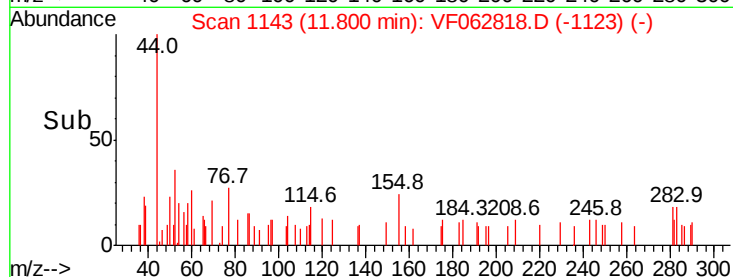
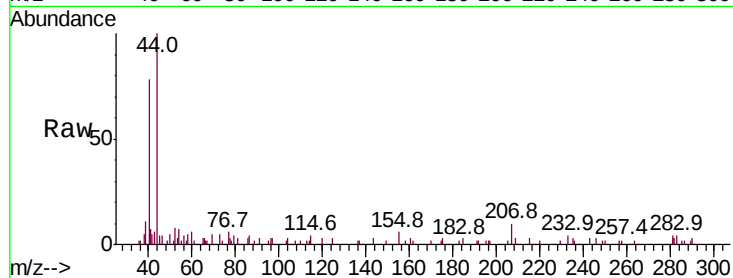




#79
 2-Chlorotoluene
 Concen: 51.860 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062818.D
 Acq: 31 May 2019 19:34

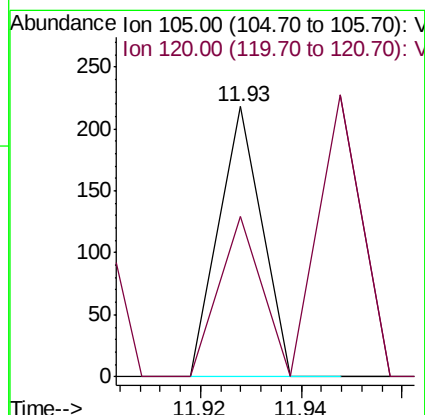
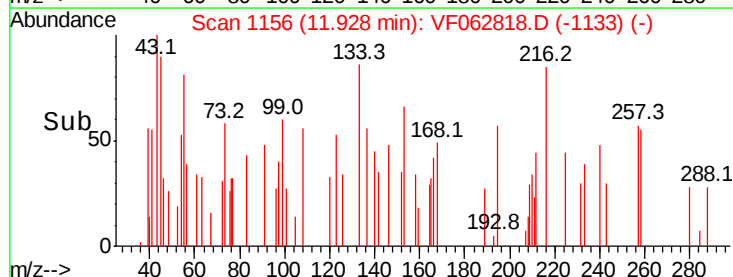
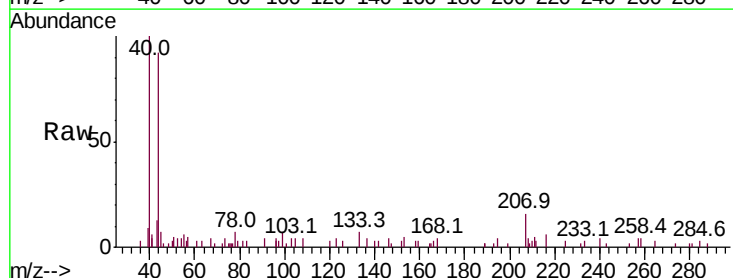
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-053119-E

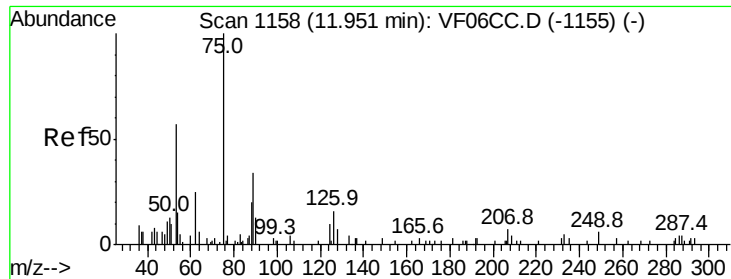
Tot Ion: 91 Resp: 215
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 26.287 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.02 min
 Lab File: VF062818.D
 Acq: 31 May 2019 19:34

Tgt Ion:105 Resp: 129
 Ion Ratio Lower Upper
 105 100
 120 59.2 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 1290.242 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

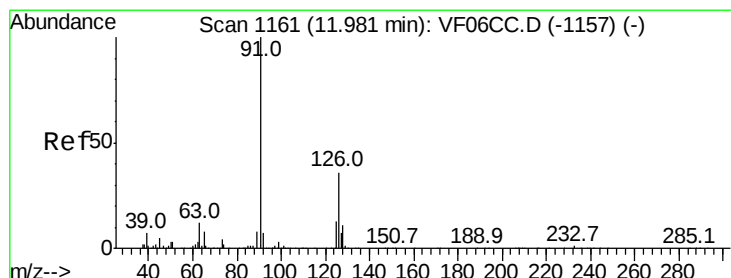
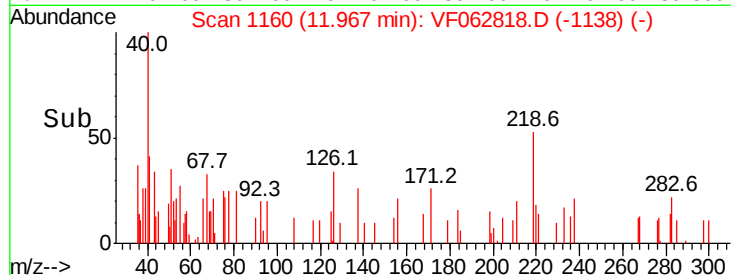
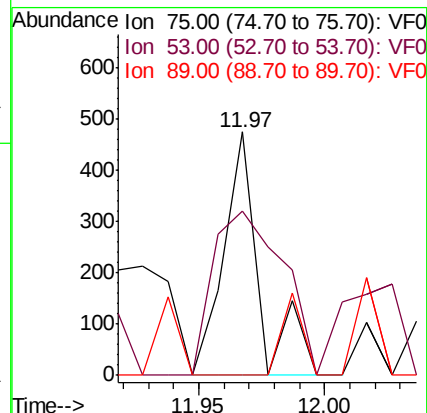
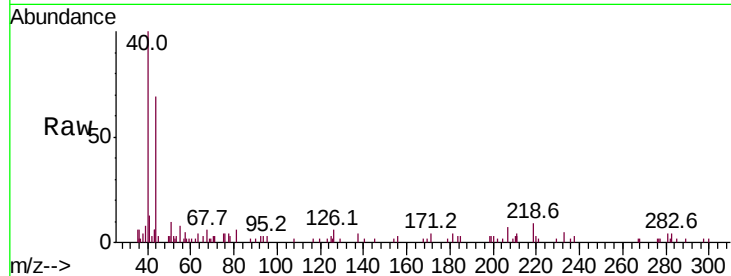
Tot Ion: 75 Resp: 464

Ion Ratio Lower Upper

75 100

53 67.3 43.5 65.3#

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 14.972 ug/l

RT: 12.03 min Scan# 1166

Delta R.T. 0.04 min

Lab File: VF062818.D

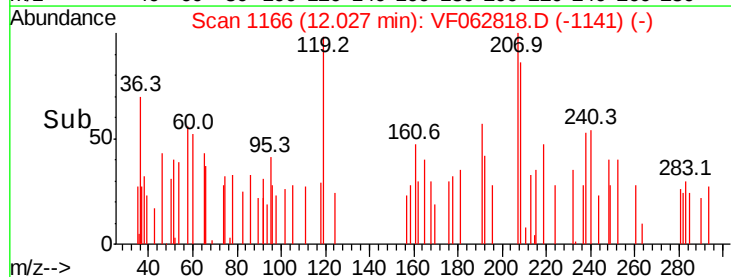
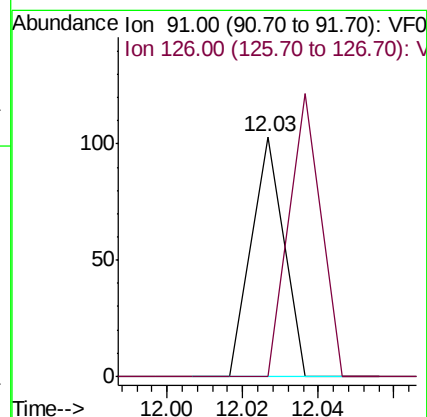
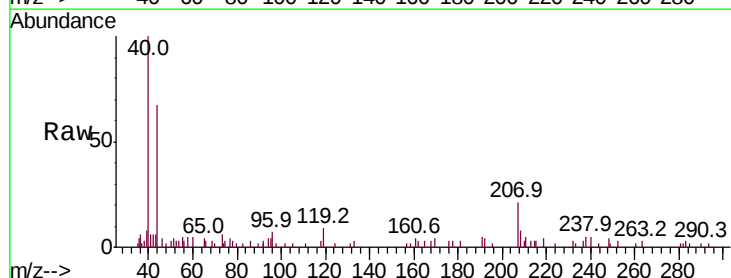
Acq: 31 May 2019 19:34

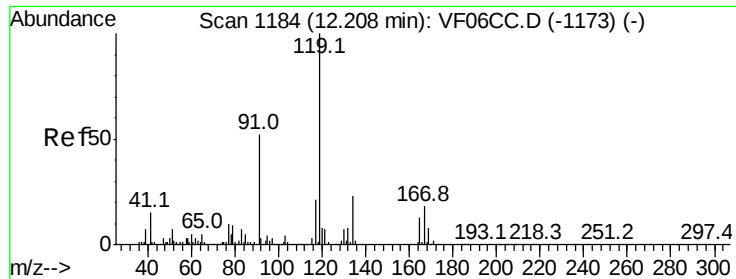
Tgt Ion: 91 Resp: 61

Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.1#





#83

tert-Butylbenzene

Concen: 130.796 ug/l

RT: 12.24 min Scan# 1188

Delta R.T. 0.03 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

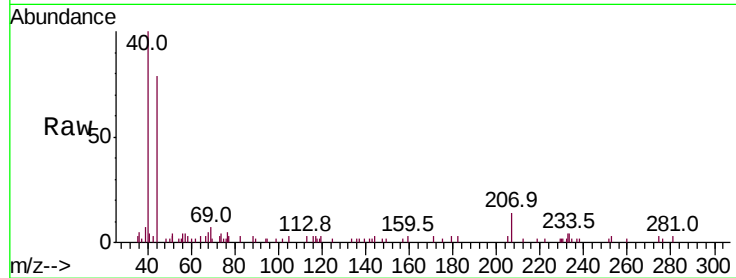
Tot Ion:119 Resp: 636

Ion Ratio Lower Upper

119 100

91 0.0 28.9 86.7#

134 0.0 14.3 42.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.24

300

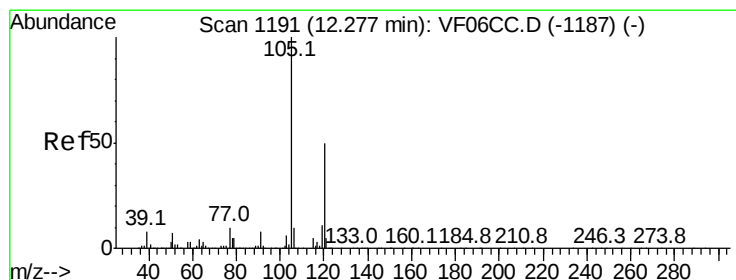
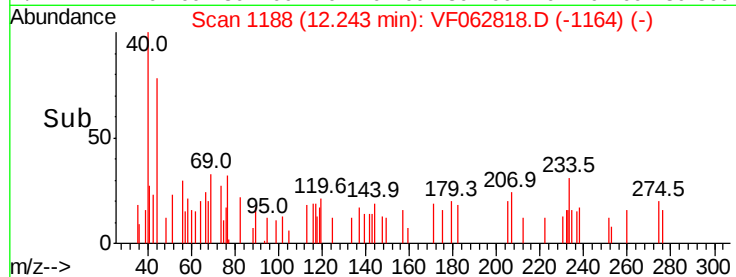
200

100

0

12.20 12.25

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 55.450 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.08 min

Lab File: VF062818.D

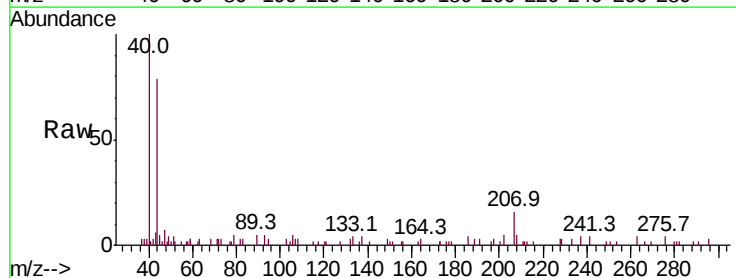
Acq: 31 May 2019 19:34

Tgt Ion:105 Resp: 258

Ion Ratio Lower Upper

105 100

120 41.3 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.36

300

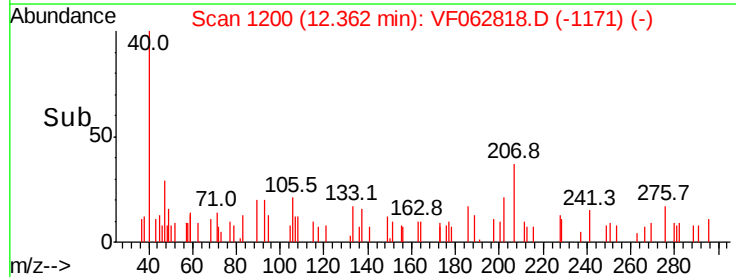
200

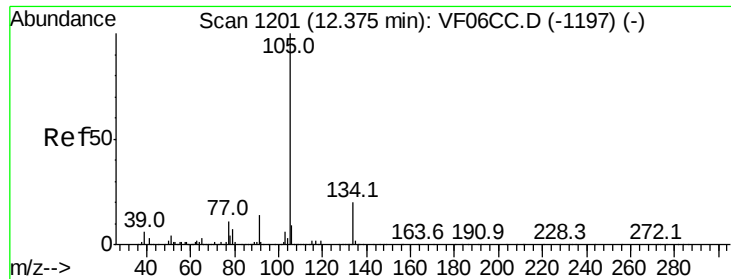
100

0

12.34 12.38

Time-->





#85

sec-Butylbenzene

Concen: 40.266 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

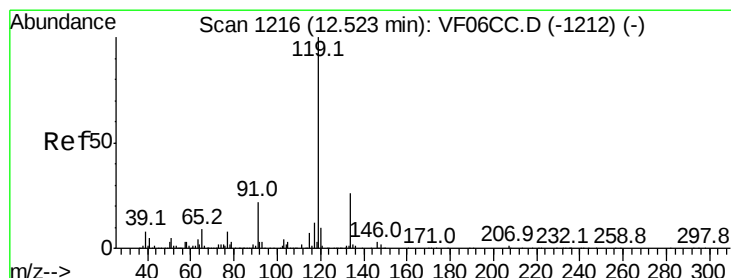
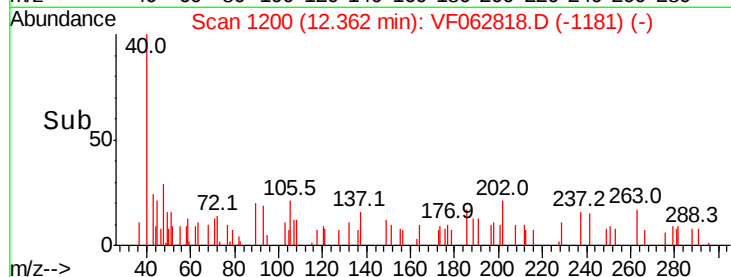
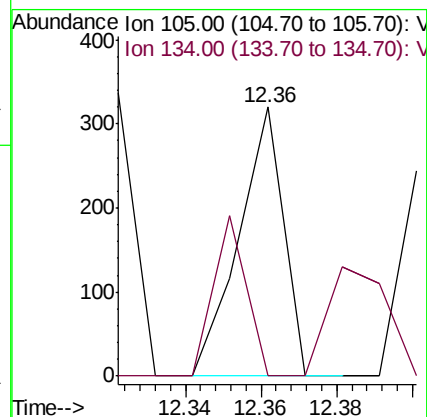
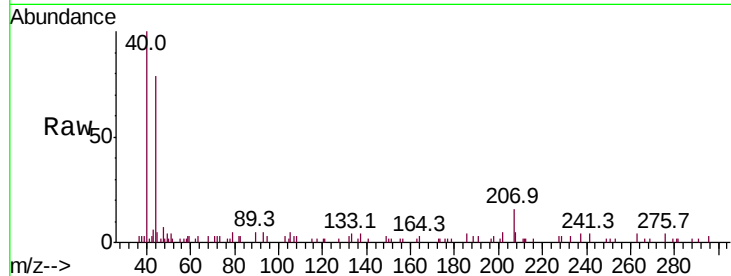
CL-02-053119-E

Tot Ion:105 Resp: 258

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 47.626 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. 0.06 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

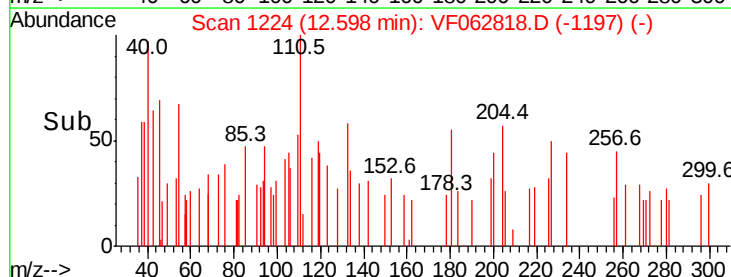
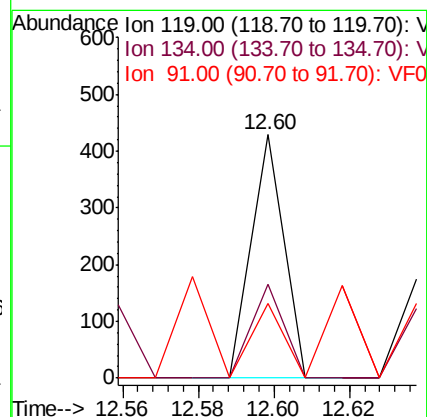
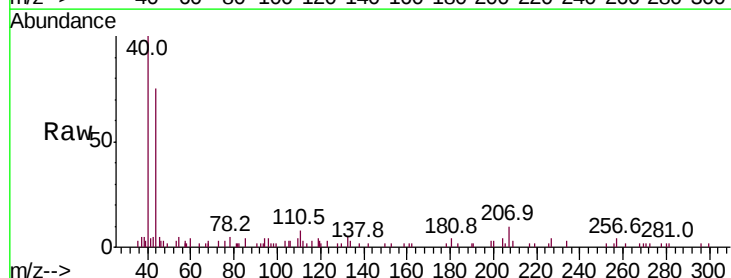
Tgt Ion:119 Resp: 254

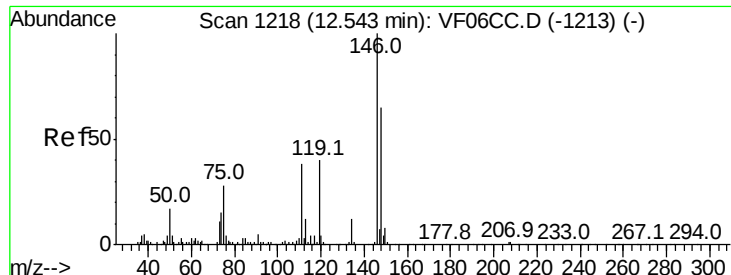
Ion Ratio Lower Upper

119 100

134 38.7 15.5 46.5

91 30.8 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 30.086 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.04 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

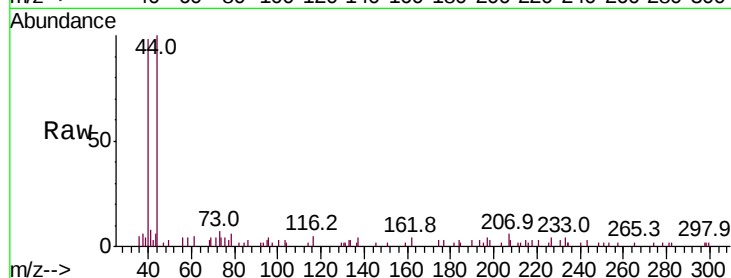
Tot Ion:146 Resp: 80

Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.8#

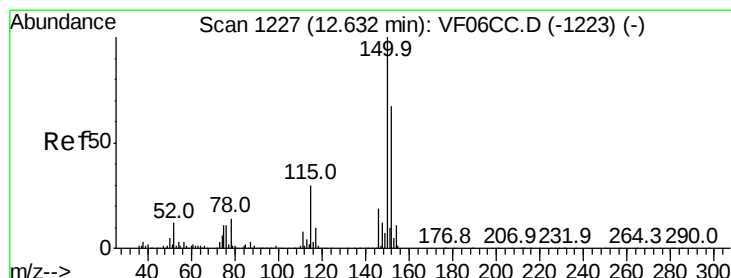
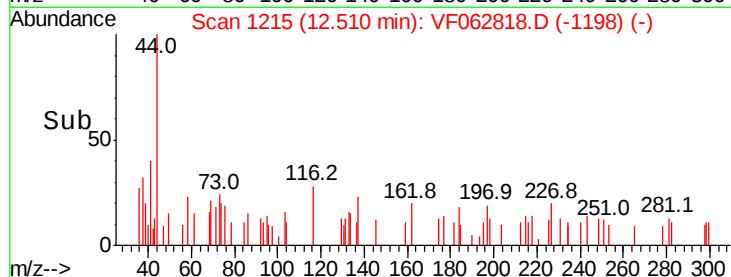
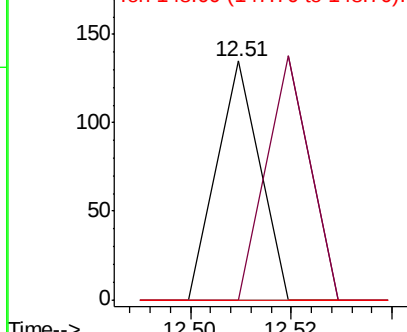
148 0.0 34.2 102.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 83.013 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

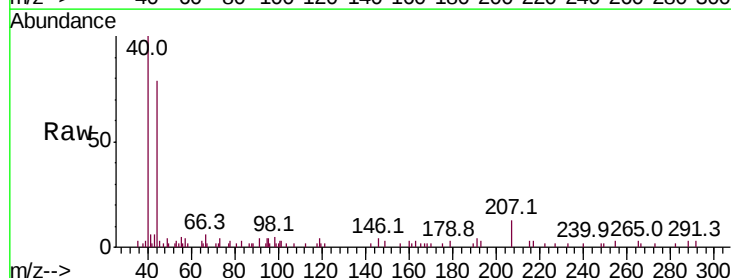
Tgt Ion:146 Resp: 206

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

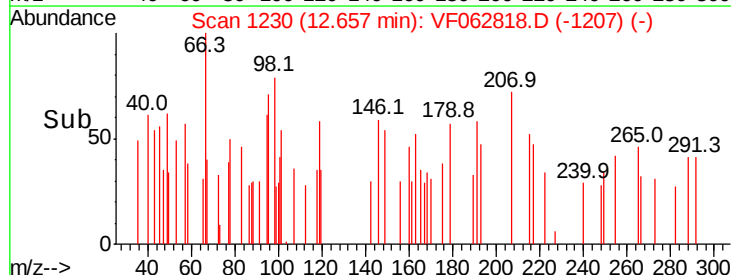
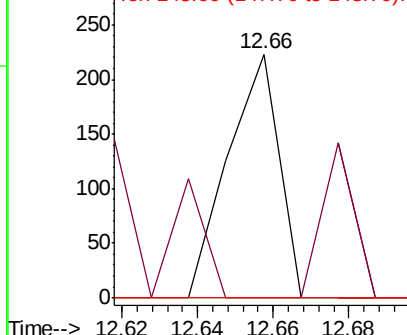
148 0.0 34.0 101.8#

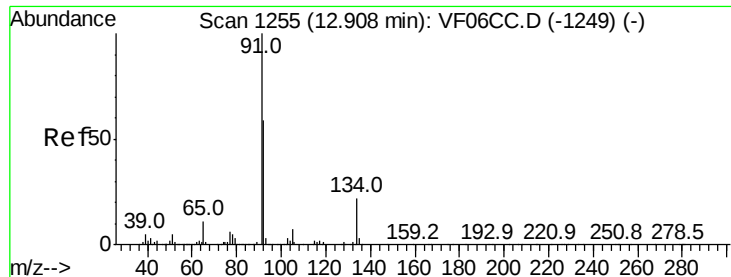


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 26.282 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

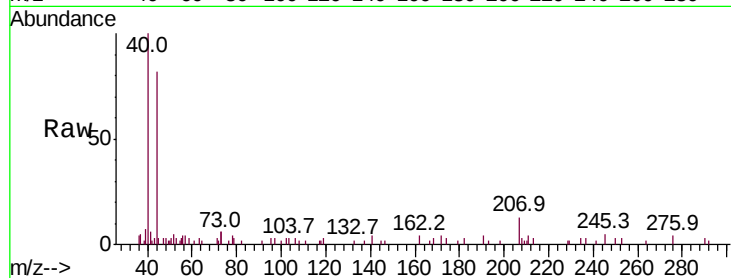
Tot Ion: 91 Resp: 141

Ion Ratio Lower Upper

91 100

92 0.0 34.2 102.6#

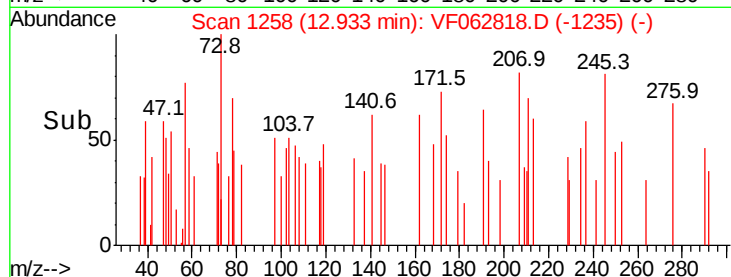
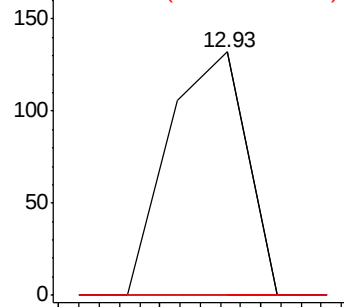
134 0.0 15.8 47.3#



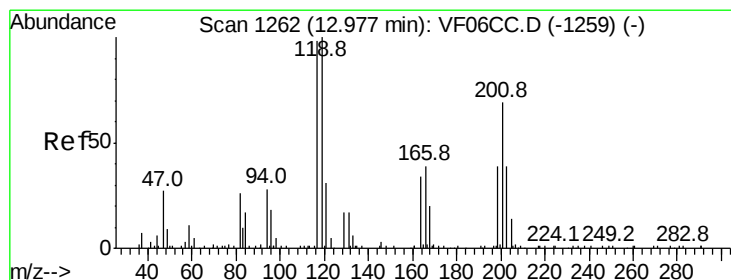
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->



#90

Hexachloroethane

Concen: 85.335 ug/l

RT: 12.82 min Scan# 1247

Delta R.T. -0.16 min

Lab File: VF062818.D

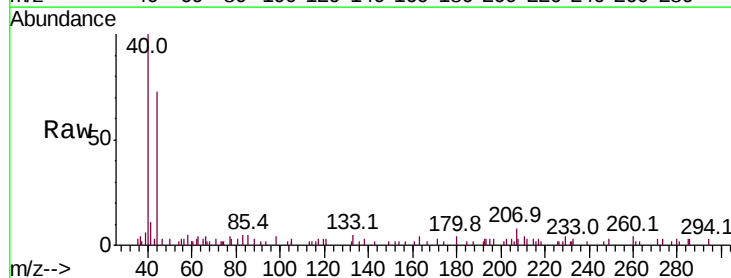
Acq: 31 May 2019 19:34

Tgt Ion: 117 Resp: 111

Ion Ratio Lower Upper

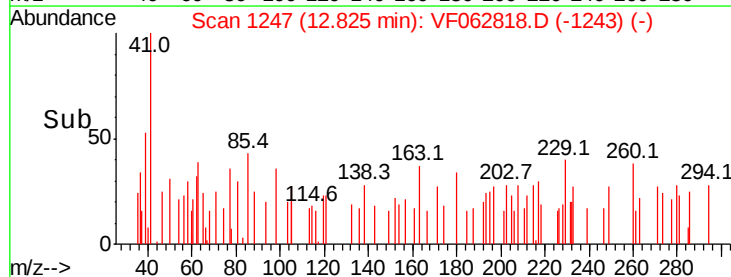
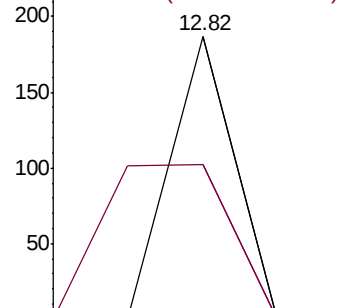
117 100

201 54.5 38.9 116.7

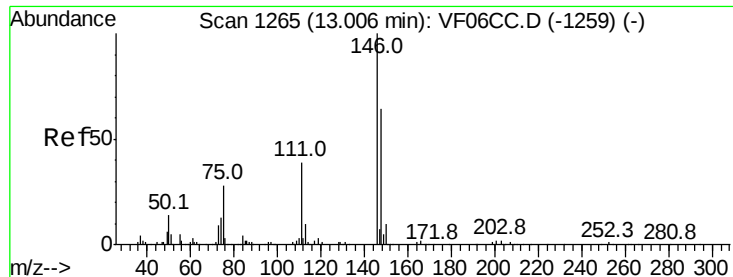


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



Time-->



#91

1,2-Dichlorobenzene

Concen: 26.100 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

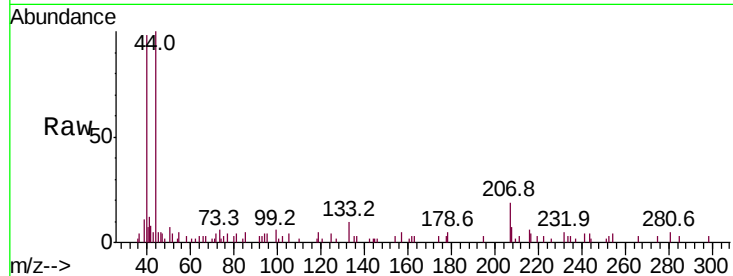
Tot Ion:146 Resp: 61

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

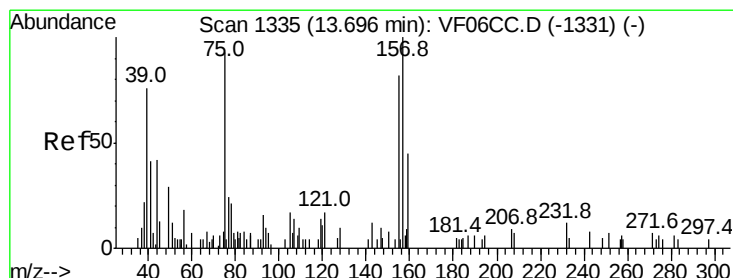
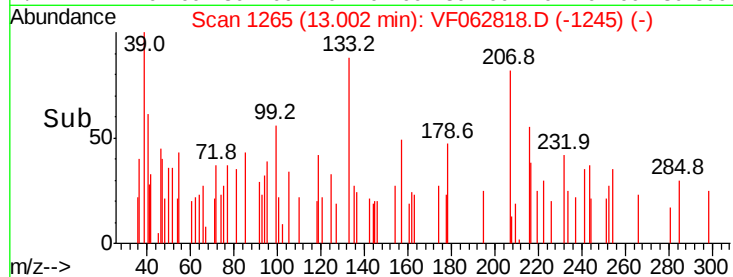
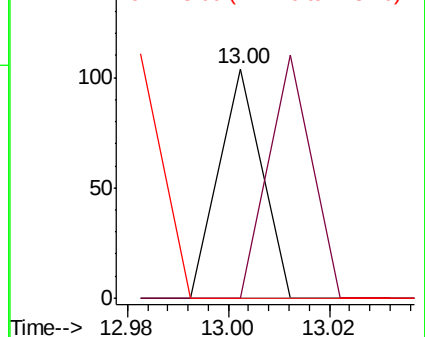
148 0.0 34.1 102.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5343.382 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

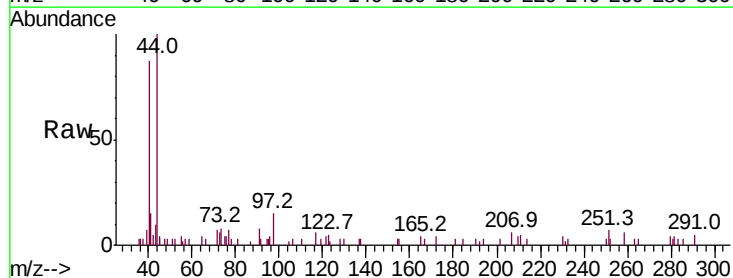
Tgt Ion: 75 Resp: 746

Ion Ratio Lower Upper

75 100

155 33.7 51.7 155.1#

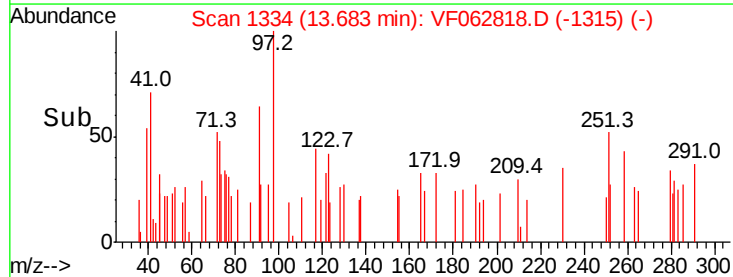
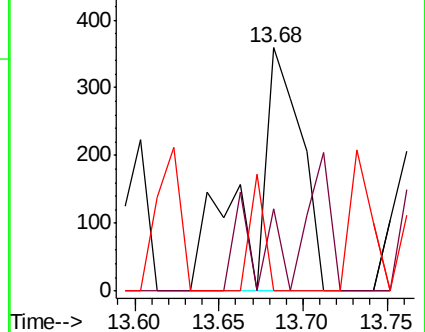
157 0.0 66.8 200.6#

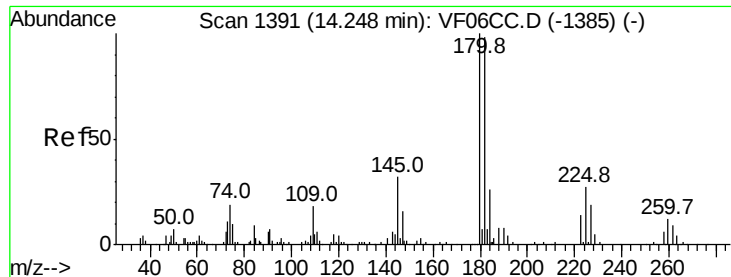


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

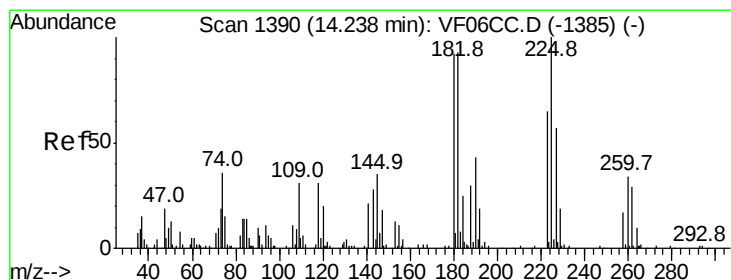
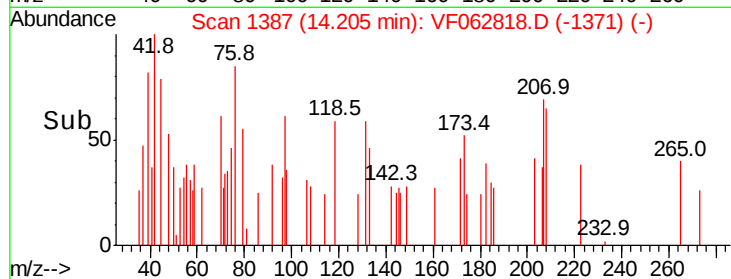
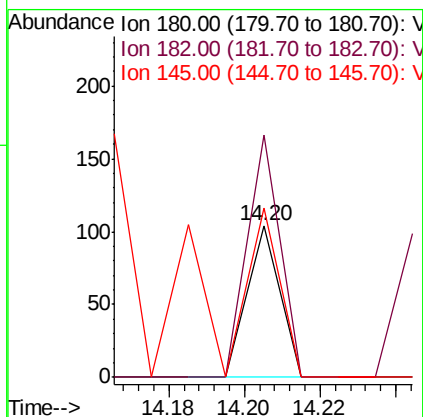
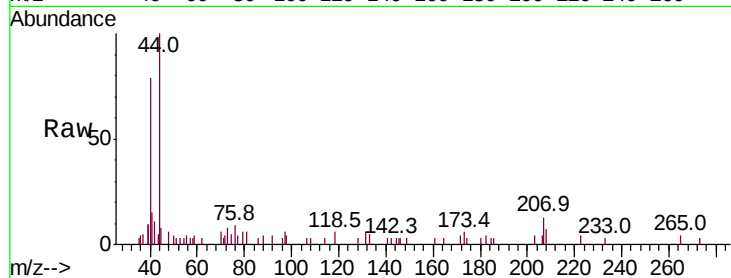




#93
 1,2,4-Trichlorobenzene
 Concen: 38.013 ug/l
 RT: 14.20 min Scan# 1387
 Delta R.T. -0.05 min
 Lab File: VF062818.D
 Acq: 31 May 2019 19:34

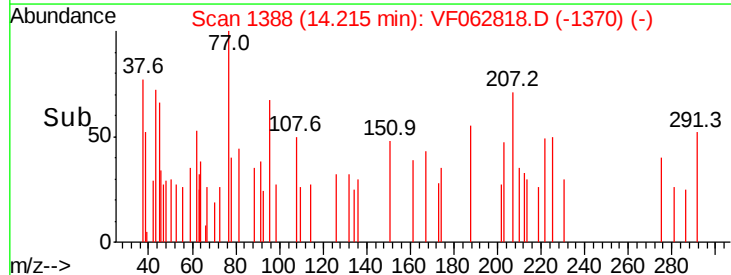
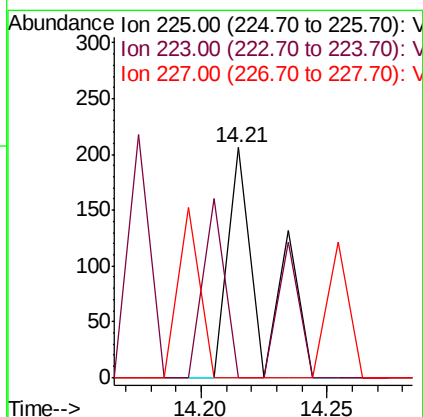
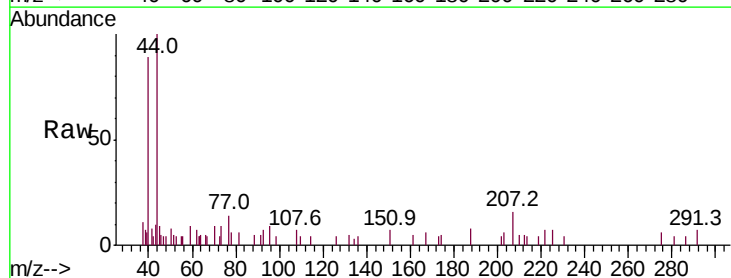
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-053119-E

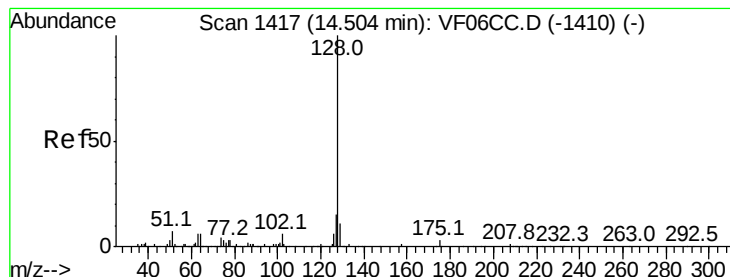
Tot Ion:180 Resp: 61
 Ion Ratio Lower Upper
 180 100
 182 159.6 50.3 150.9#
 145 111.5 15.4 46.2#



#94
 Hexachlorobutadiene
 Concen: 180.154 ug/l
 RT: 14.21 min Scan# 1388
 Delta R.T. -0.03 min
 Lab File: VF062818.D
 Acq: 31 May 2019 19:34

Tgt Ion:225 Resp: 200
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.8 92.4#
 227 0.0 31.9 95.5#





#95

Naphthalene

Concen: 39.939 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

CL-02-053119-E

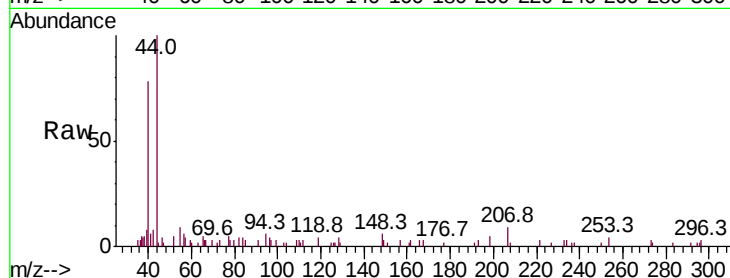
Tot Ion:128 Resp: 105

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

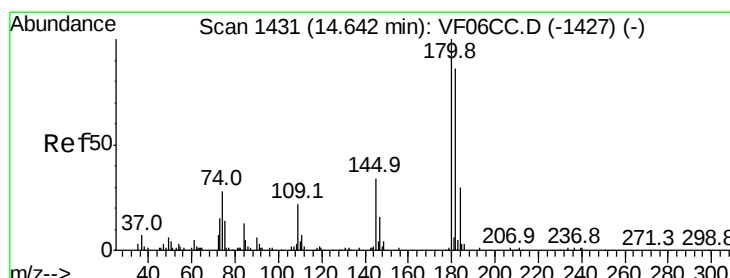
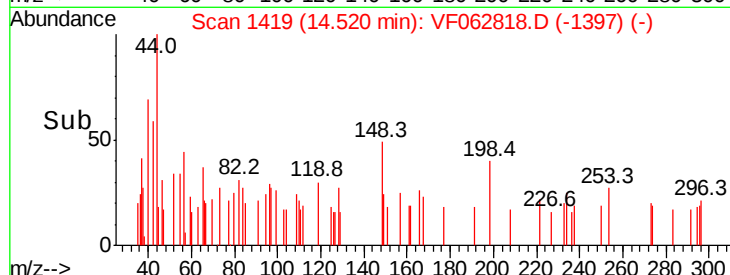
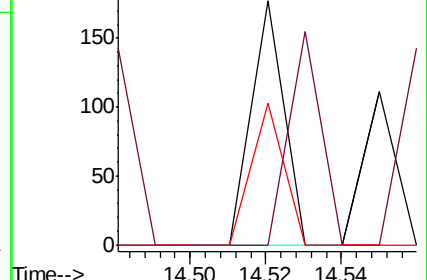
129 58.2 9.4 14.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 75.094 ug/l

RT: 14.70 min Scan# 1437

Delta R.T. 0.05 min

Lab File: VF062818.D

Acq: 31 May 2019 19:34

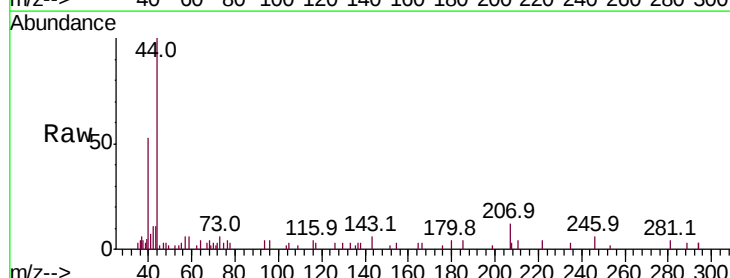
Tgt Ion:180 Resp: 110

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

145 0.0 15.7 47.0#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

