

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021319\
 Data File : VF061630.D
 Acq On : 13 Feb 2019 19:29
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV021319

Quant Time: Feb 14 03:37:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	277251	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	402816	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	349581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	196865	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	106916	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	4.13	113	155615	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	7.56	98	489951	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
62) 4-Bromofluorobenzene	11.41	95	185126	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	160589	50.437	ug/l	99
3) Chloromethane	1.10	50	175150	52.430	ug/l	100
4) Vinyl Chloride	1.15	62	160996	51.841	ug/l	99
5) Bromomethane	1.33	94	117776	55.103	ug/l	97
6) Chloroethane	1.39	64	80111	52.345	ug/l	92
7) Trichlorofluoromethane	1.49	101	194986	52.056	ug/l	94
8) Diethyl Ether	1.63	74	50601	53.605	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	137530	50.896	ug/l	95
10) Methyl Iodide	1.90	142	212052	41.082	ug/l	96
11) Tert butyl alcohol	2.58	59	31119	264.473	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	119947	50.488	ug/l	94
13) Acrolein	2.01	56	41410	280.018	ug/l	93
14) Allyl chloride	2.10	41	184302	63.219	ug/l	95
15) Acrylonitrile	2.95	53	106555	255.308	ug/l	96
16) Acetone	2.24	43	101327	232.286	ug/l	97
17) Carbon Disulfide	1.84	76	391824	52.468	ug/l	100
18) Methyl Acetate	2.35	43	48217	49.066	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	217033	53.453	ug/l	97
20) Methylene Chloride	2.18	84	49492	19.643	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	130969	50.711	ug/l	99
22) Diisopropyl ether	2.81	45	370185	52.899	ug/l	99
23) Vinyl Acetate	3.19	43	940031	275.021	ug/l	99
24) 1,1-Dichloroethane	2.88	63	223889	52.867	ug/l	99
25) 2-Butanone	4.34	43	253859	266.425	ug/l	95
26) 2,2-Dichloropropane	3.60	77	96409	53.744	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	183645	54.174	ug/l	98
28) Bromochloromethane	3.72	49	105970	52.151	ug/l	95
29) Tetrahydrofuran	4.08	42	111052	256.429	ug/l	98
30) Chloroform	3.87	83	250794	52.074	ug/l	97
31) Cyclohexane	3.70	56	238164	51.949	ug/l	95
32) 1,1,1-Trichloroethane	4.11	97	170980	54.196	ug/l	95
36) 1,1-Dichloropropene	4.29	75	221651	55.546	ug/l	96
37) Ethyl Acetate	4.12	43	93822	50.621	ug/l #	82
38) Carbon Tetrachloride	4.00	117	157682	57.226	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	270101	57.234	ug/l	99
40) Benzene	4.64	78	580810	55.646	ug/l	98
41) Methacrylonitrile	4.76	41	51424	54.253	ug/l	95
42) 1,2-Dichloroethane	4.96	62	137991	55.269	ug/l	99
43) Isopropyl Acetate	6.97	43	118336	53.939	ug/l #	96
44) Trichloroethene	5.51	130	183390	54.334	ug/l	100
45) 1,2-Dichloropropane	6.25	63	139886	55.446	ug/l	95
46) Dibromomethane	6.09	93	86296	55.553	ug/l	89
47) Bromodichloromethane	6.40	83	179382	52.733	ug/l	98
48) Methyl methacrylate	6.72	41	77729	58.874	ug/l	93
49) 1,4-Dioxane	6.71	88	13354	1075.973	ug/l	91
51) 4-Methyl-2-Pentanone	8.27	43	418586	267.023	ug/l	98
52) Toluene	7.63	92	340765	53.832	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	152973	54.032	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	212045	56.230	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	104060	55.950	ug/l	96
56) Ethyl methacrylate	8.62	69	115153	55.611	ug/l	94
57) 1,3-Dichloropropane	8.86	76	164570	53.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	102335	286.436	ug/l	96
59) 2-Hexanone	9.50	43	295020	268.481	ug/l	95
60) Dibromochloromethane	8.72	129	145436	56.181	ug/l	96
61) 1,2-Dibromoethane	9.00	107	110500	54.777	ug/l	98
64) Tetrachloroethene	8.16	164	159954	55.978	ug/l	98
65) Chlorobenzene	9.81	112	393874	55.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	151403	54.467	ug/l	98
67) Ethyl Benzene	9.91	91	634890	53.818	ug/l	98
68) m/p-Xylenes	10.14	106	472293	104.609	ug/l	99
69) o-Xylene	10.72	106	268040	55.638	ug/l	99
70) Styrene	10.79	104	376880	55.299	ug/l	99
71) Bromoform	10.78	173	82773	54.837	ug/l	96
73) Isopropylbenzene	11.13	105	776669	55.411	ug/l	99
74) N-amyl acetate	11.38	43	186523	55.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	134856	53.704	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	87952	51.517	ug/l	99
77) Bromobenzene	11.50	156	190141	54.912	ug/l	95
78) n-propylbenzene	11.60	91	853830	53.085	ug/l	100
79) 2-Chlorotoluene	11.73	91	460026	51.069	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	592630	52.902	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	54591	66.698	ug/l	96
82) 4-Chlorotoluene	11.91	91	480132	51.352	ug/l	98
83) tert-Butylbenzene	12.13	119	661572	53.318	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	596774	53.621	ug/l	99
85) sec-Butylbenzene	12.31	105	848709	52.894	ug/l	98
86) p-Isopropyltoluene	12.47	119	710063	52.730	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	350488	51.920	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	356282	54.879	ug/l	98
89) n-Butylbenzene	12.84	91	684568	53.836	ug/l	99
90) Hexachloroethane	12.92	117	172544	55.094	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	326870	50.908	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21078	52.943	ug/l	99

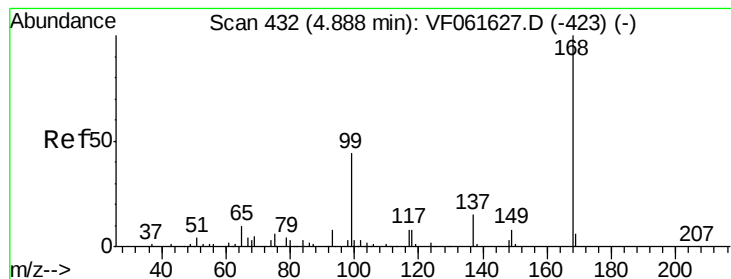
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QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	238154	51.747	ug/l	99
94) Hexachlorobutadiene	14.20	225	151573	53.326	ug/l	98
95) Naphthalene	14.46	128	435277	54.056	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	226600	53.643	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

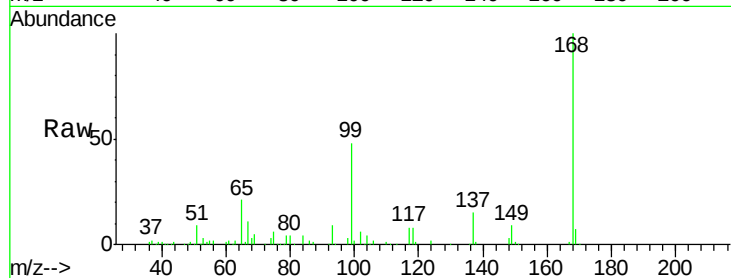
ICVVF021319

Tgt Ion:168 Resp: 277251

Ion Ratio Lower Upper

168 100

99 48.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

100000

80000

60000

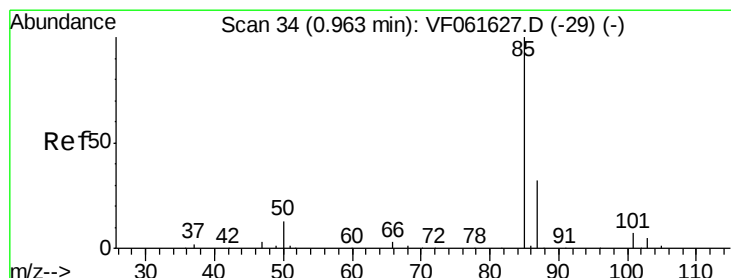
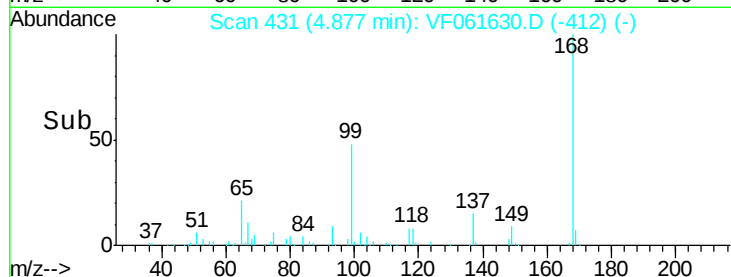
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 50.437 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061630.D

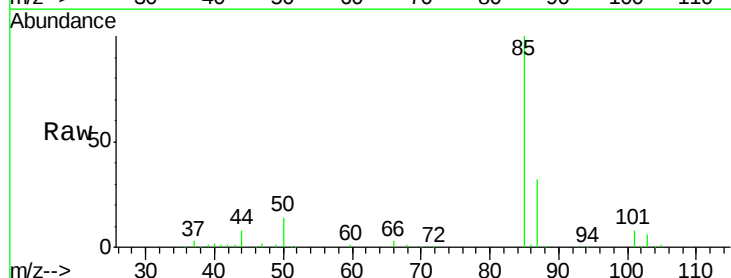
Acq: 13 Feb 2019 19:29

Tgt Ion: 85 Resp: 160589

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

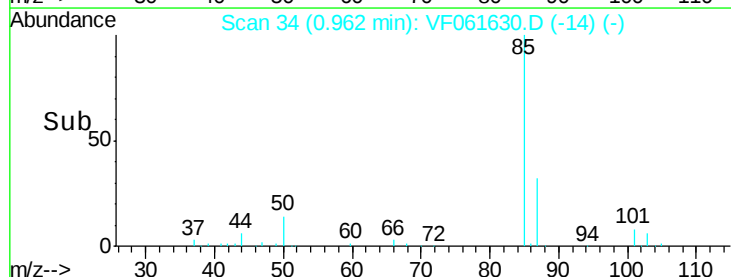
20000

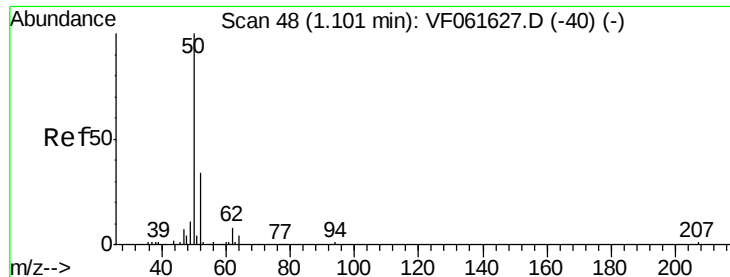
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 52.430 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

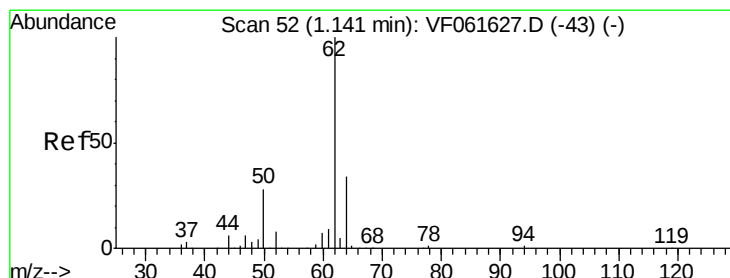
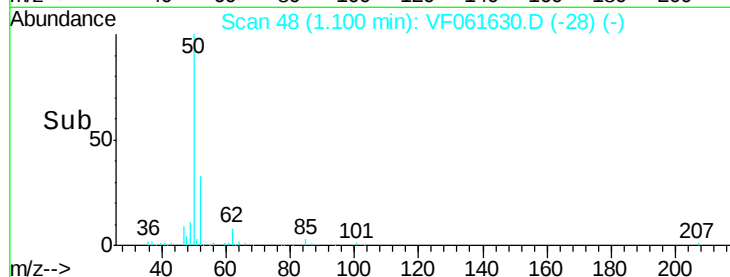
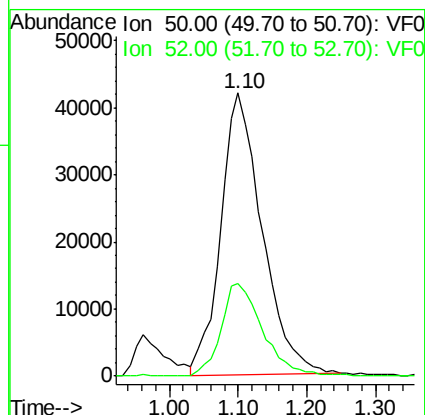
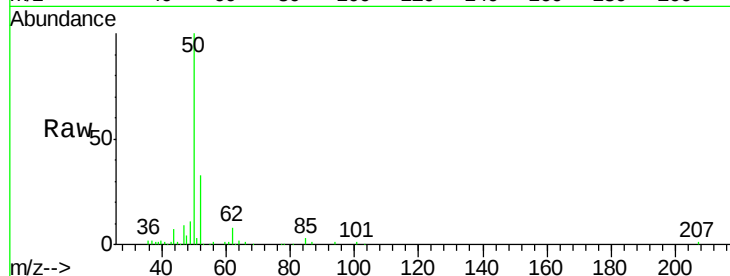
ICVVF021319

Tgt Ion: 50 Resp: 175150

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 51.841 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061630.D

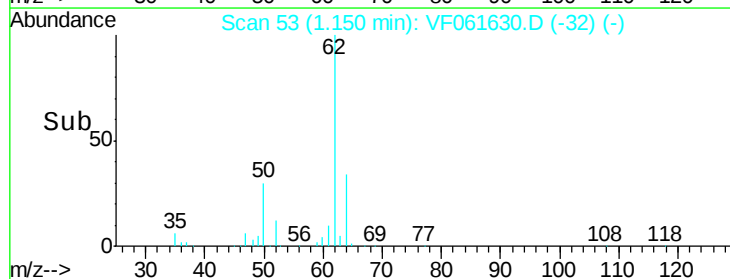
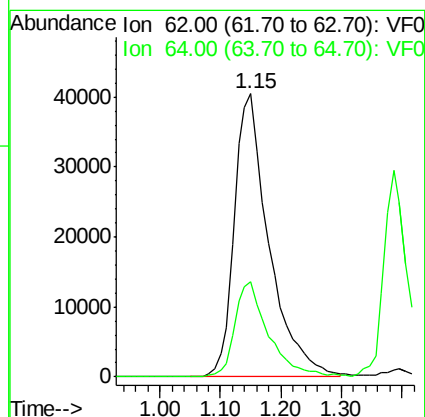
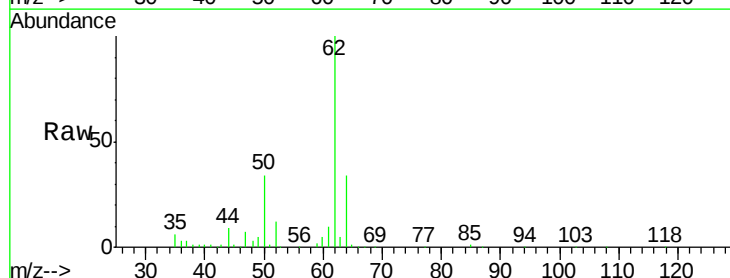
Acq: 13 Feb 2019 19:29

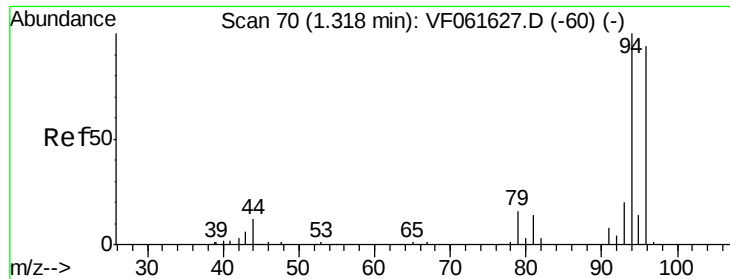
Tgt Ion: 62 Resp: 160996

Ion Ratio Lower Upper

62 100

64 33.7 27.5 41.3





#5

Bromomethane

Concen: 55.103 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

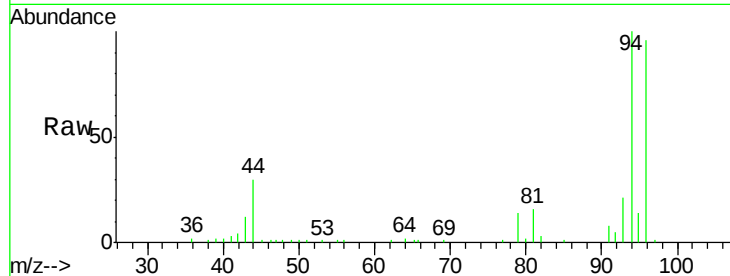
ICVVF021319

Tgt Ion: 94 Resp: 117776

Ion Ratio Lower Upper

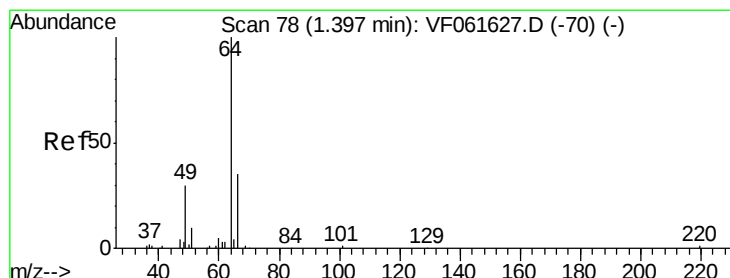
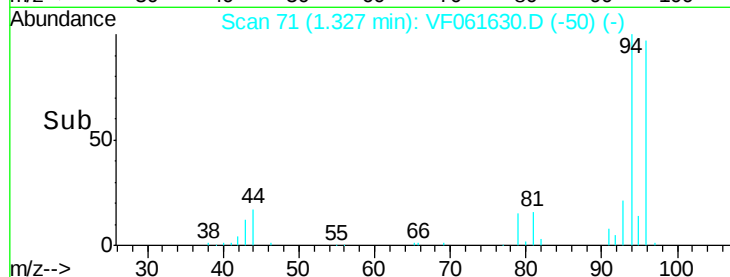
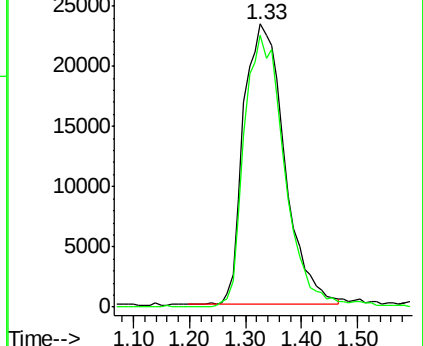
94 100

96 96.1 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 52.345 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061630.D

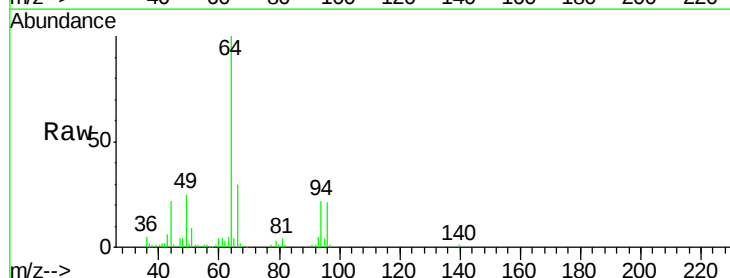
Acq: 13 Feb 2019 19:29

Tgt Ion: 64 Resp: 80111

Ion Ratio Lower Upper

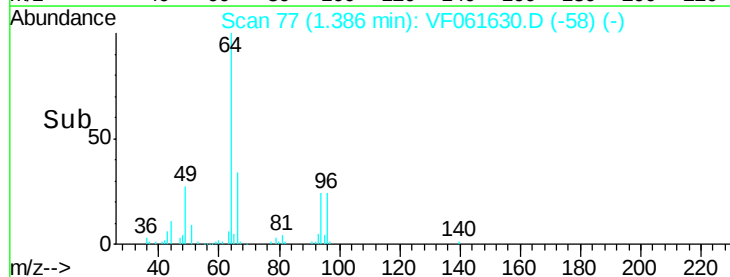
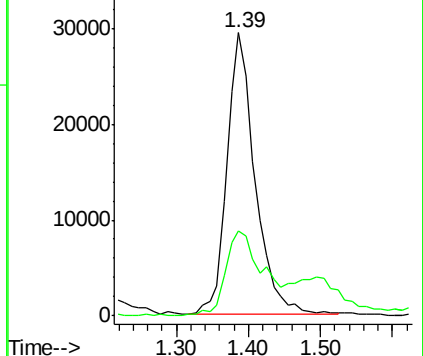
64 100

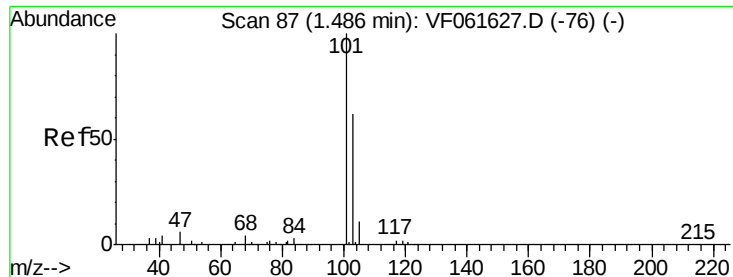
66 30.1 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 52.056 ug/l

RT: 1.49 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

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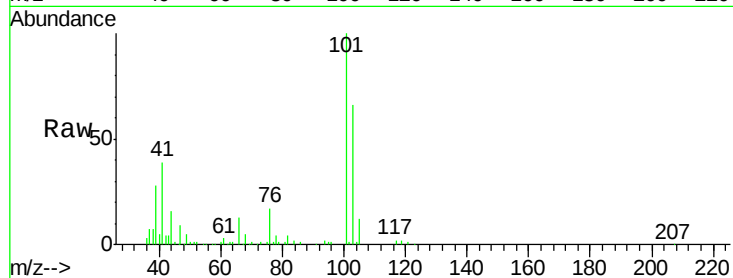
ICVVF021319

Tgt Ion:101 Resp: 194986

Ion Ratio Lower Upper

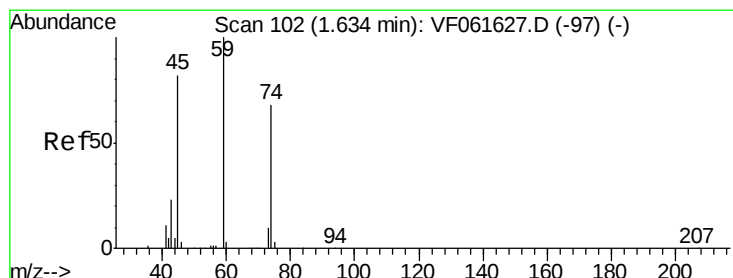
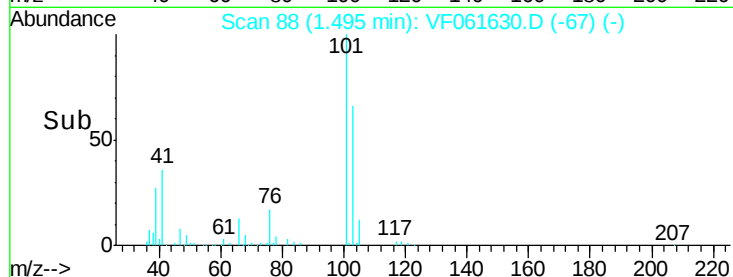
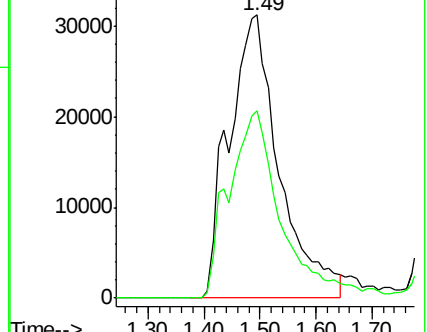
101 100

103 66.3 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.605 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061630.D

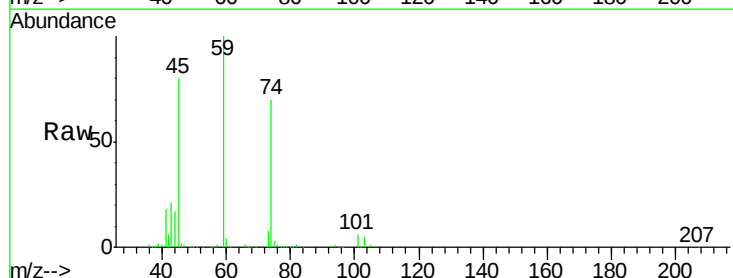
Acq: 13 Feb 2019 19:29

Tgt Ion: 74 Resp: 50601

Ion Ratio Lower Upper

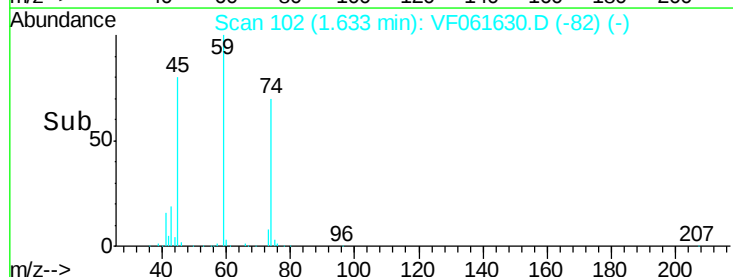
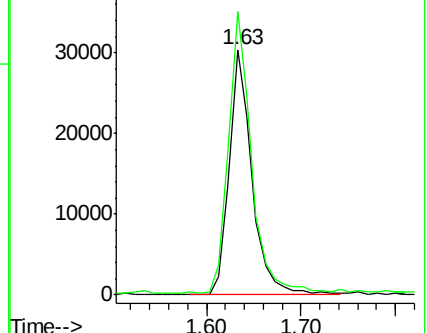
74 100

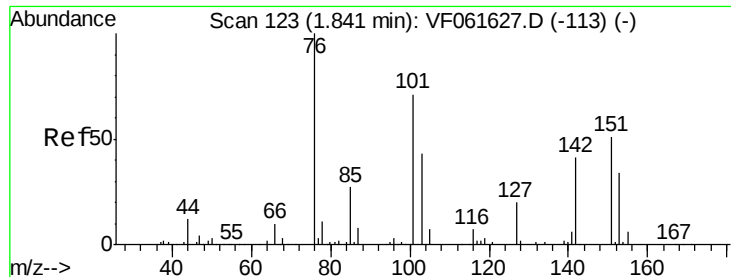
45 115.5 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.896 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061630.D

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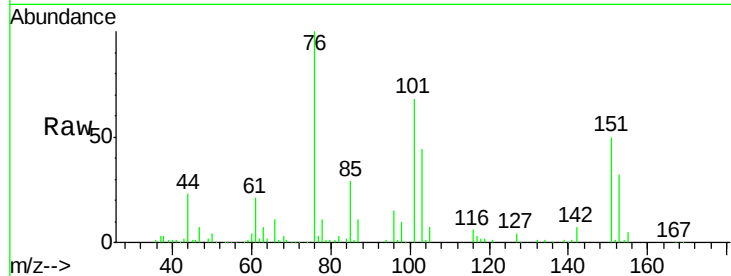
Tgt Ion:101 Resp: 137530

Ion Ratio Lower Upper

101 100

85 42.5 29.8 44.6

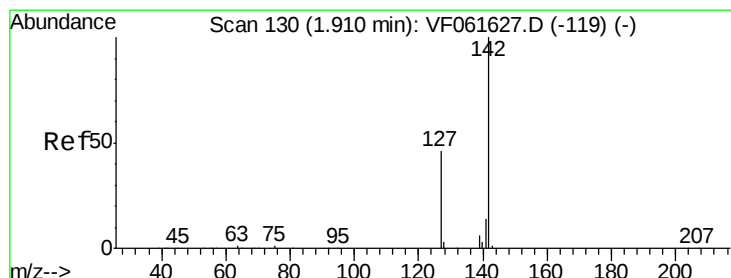
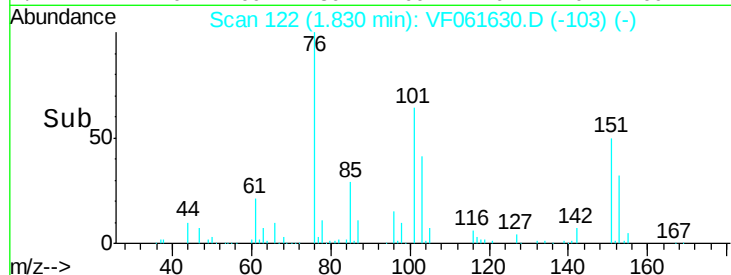
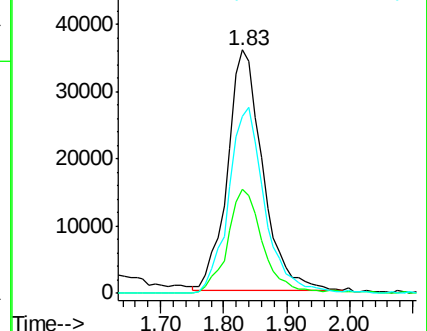
151 72.7 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 41.082 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

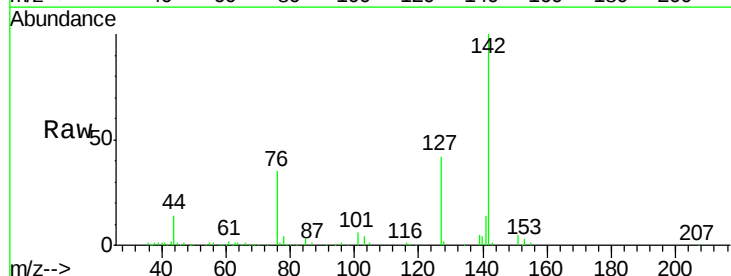
Tgt Ion:142 Resp: 212052

Ion Ratio Lower Upper

142 100

127 42.2 36.6 55.0

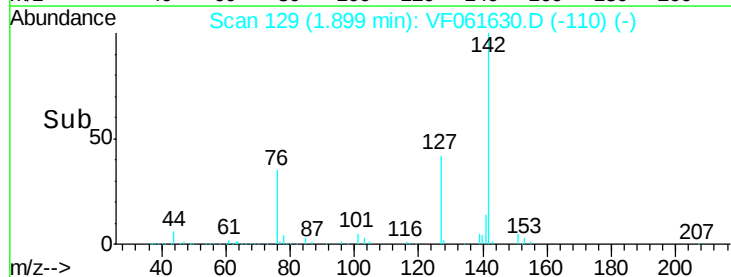
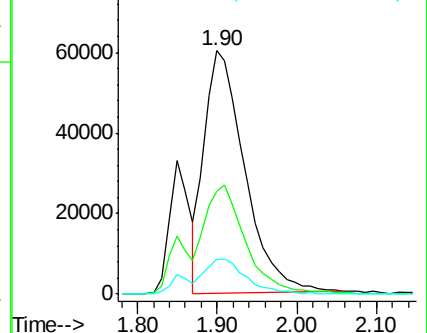
141 14.2 11.0 16.6

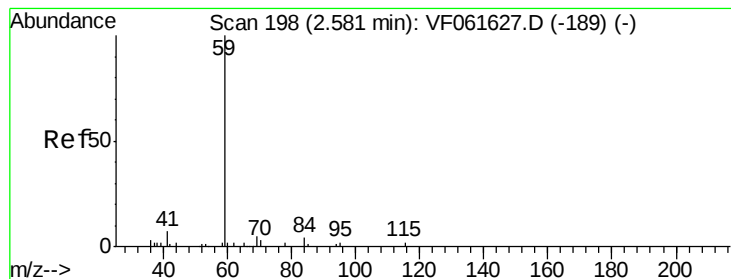


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 264.473 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

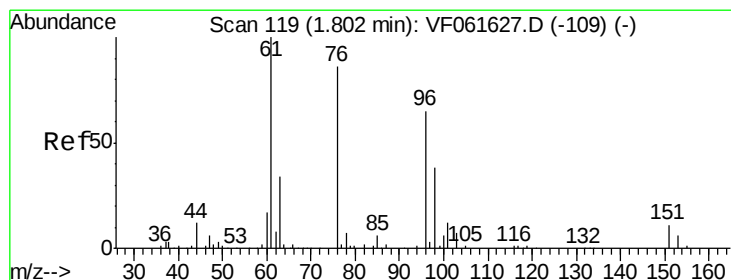
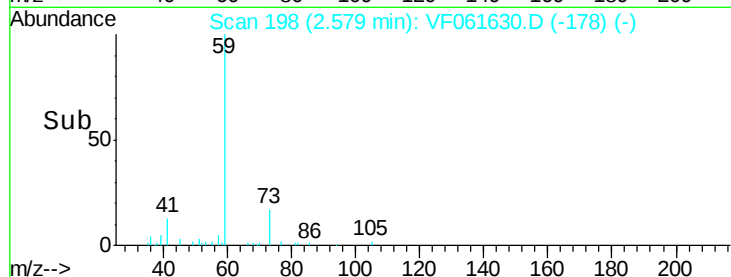
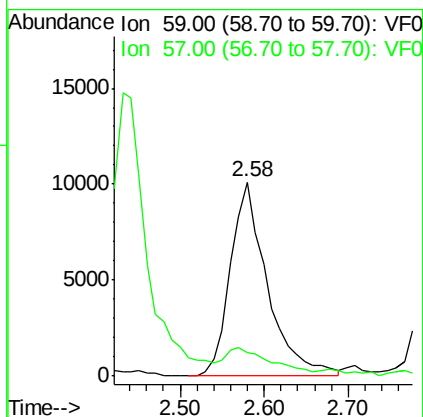
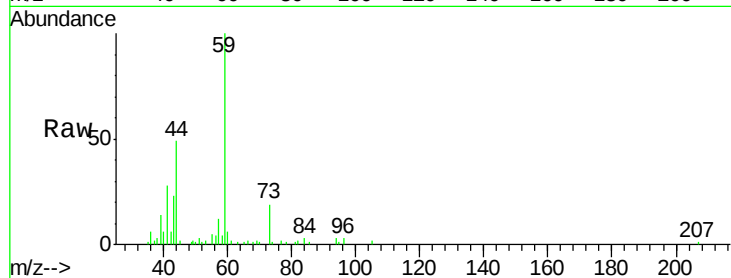
ICVVF021319

Tgt Ion: 59 Resp: 31119

Ion Ratio Lower Upper

59 100

57 11.9 12.5 18.7#



#12

1,1-Dichloroethene

Concen: 50.488 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

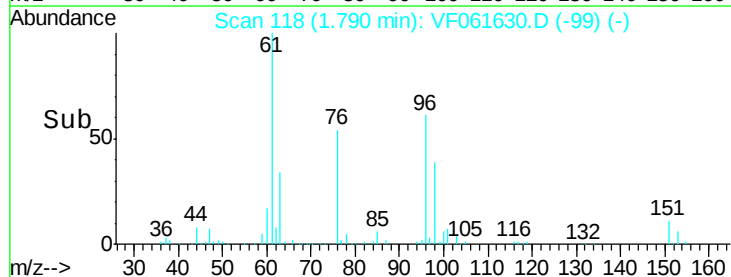
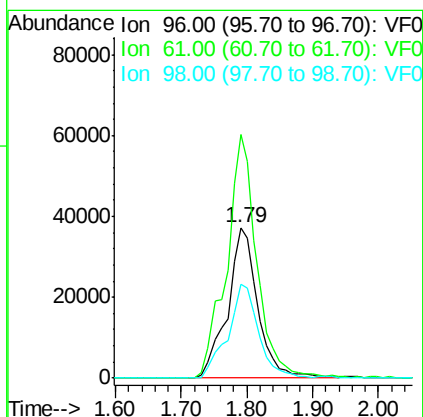
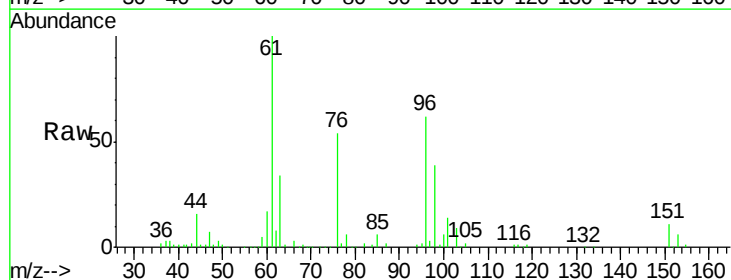
Tgt Ion: 96 Resp: 119947

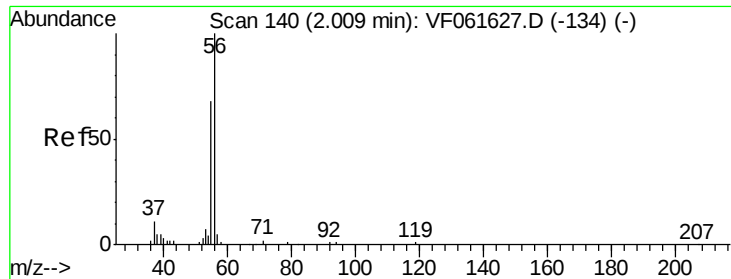
Ion Ratio Lower Upper

96 100

61 162.0 122.6 184.0

98 62.7 47.2 70.8





#13

Acrolein

Concen: 280.018 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

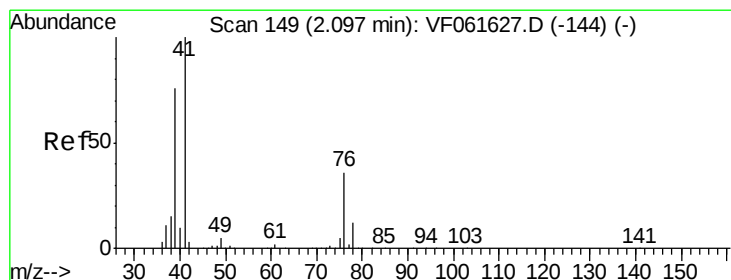
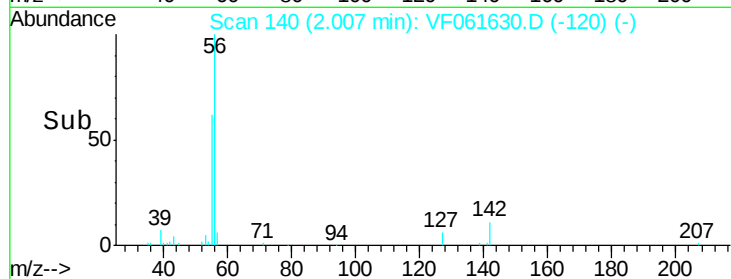
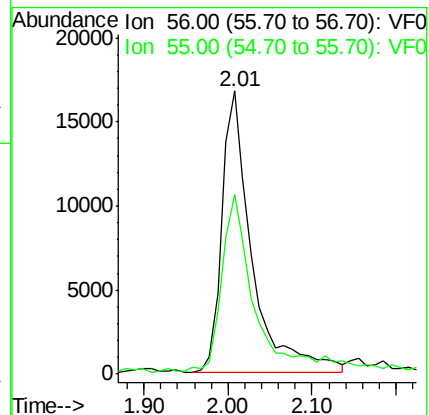
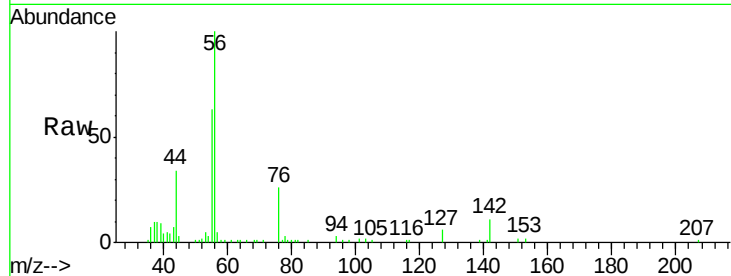
ICVVF021319

Tgt Ion: 56 Resp: 41410

Ion Ratio Lower Upper

56 100

55 63.4 55.0 82.6



#14

Allyl chloride

Concen: 63.219 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

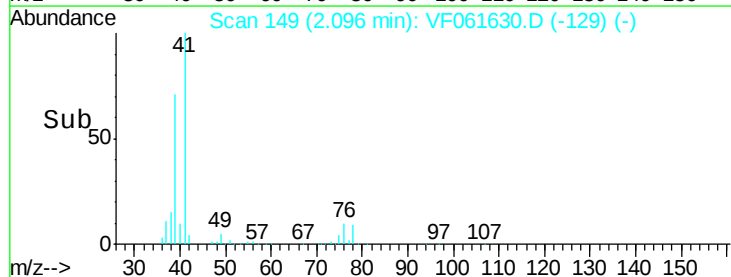
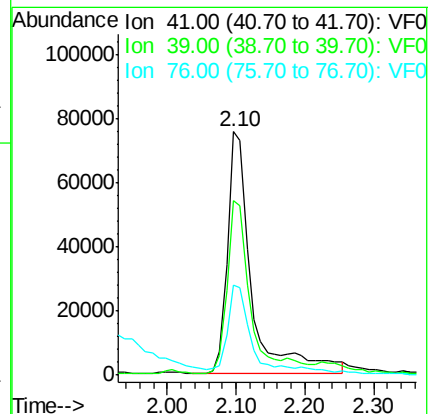
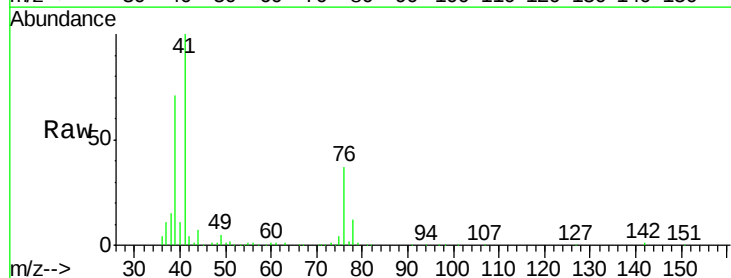
Tgt Ion: 41 Resp: 184302

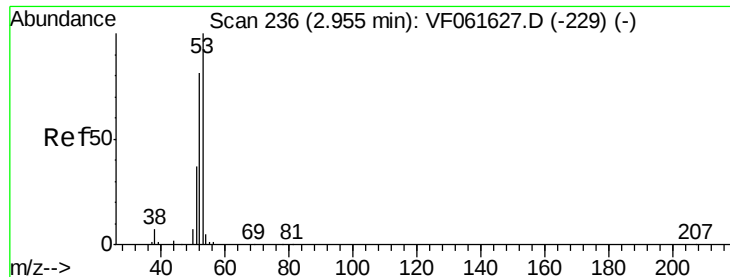
Ion Ratio Lower Upper

41 100

39 71.4 61.6 92.4

76 37.0 30.3 45.5





#15

Acrylonitrile

Concen: 255.308 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

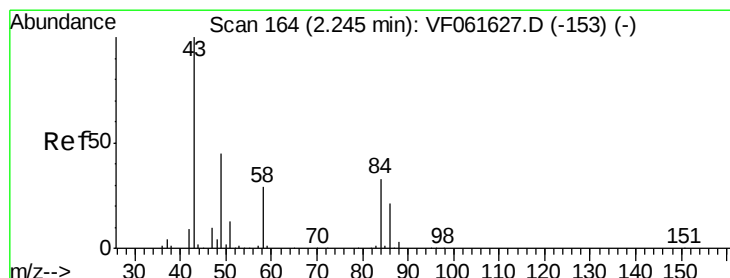
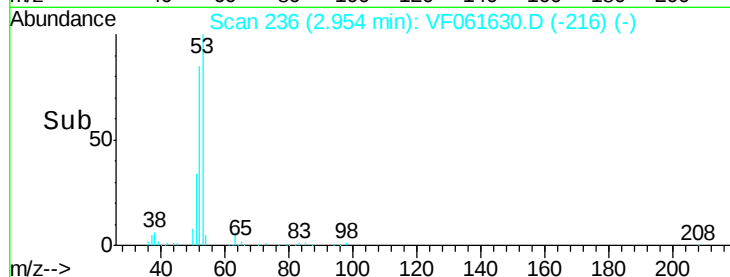
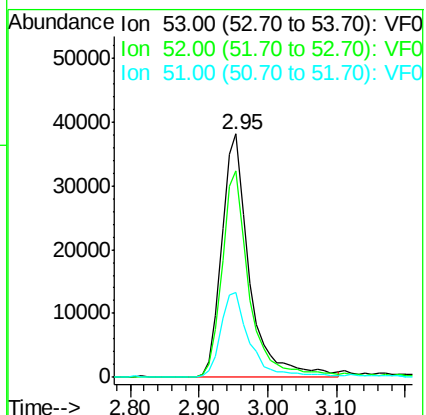
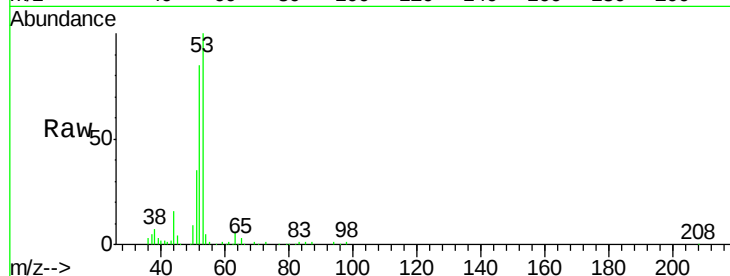
Tgt Ion: 53 Resp: 106555

Ion Ratio Lower Upper

53 100

52 84.6 64.6 97.0

51 34.7 29.8 44.8



#16

Acetone

Concen: 232.286 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061630.D

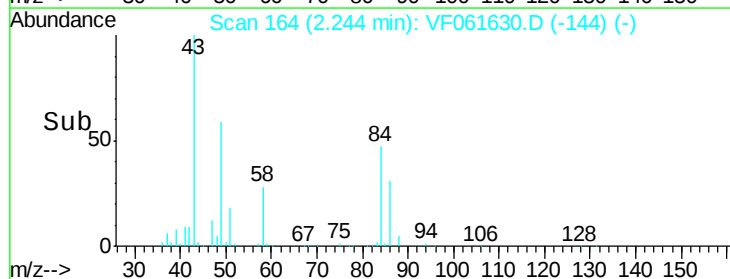
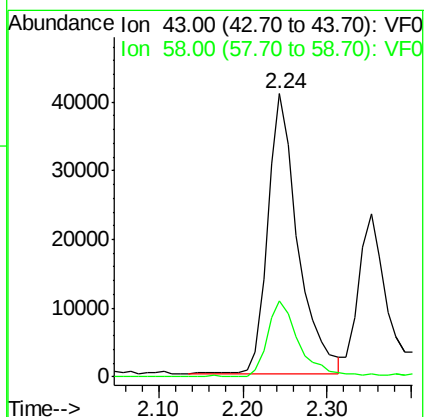
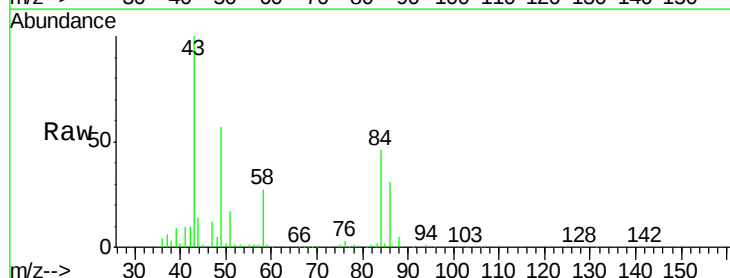
Acq: 13 Feb 2019 19:29

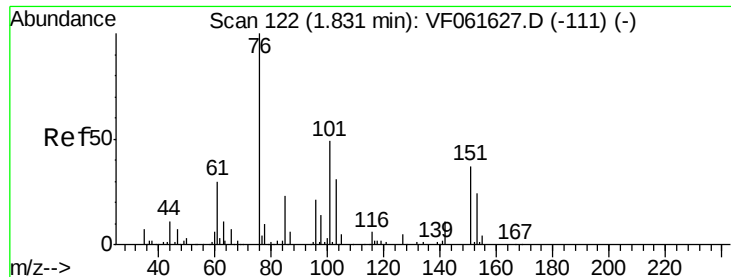
Tgt Ion: 43 Resp: 101327

Ion Ratio Lower Upper

43 100

58 27.1 22.9 34.3

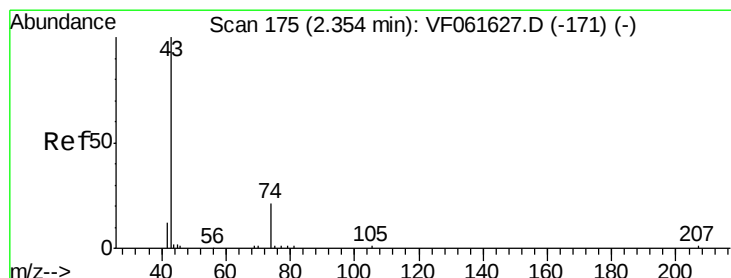
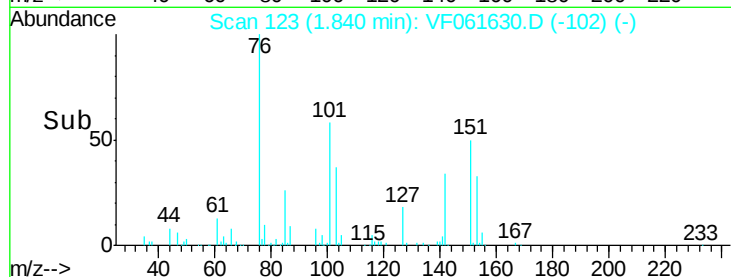
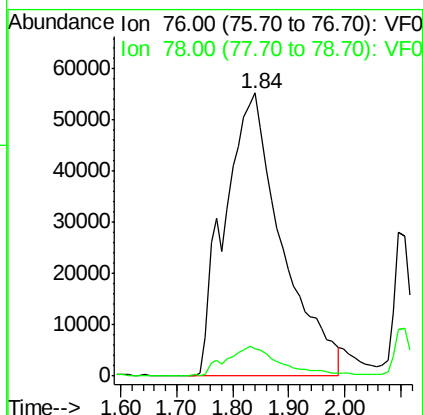
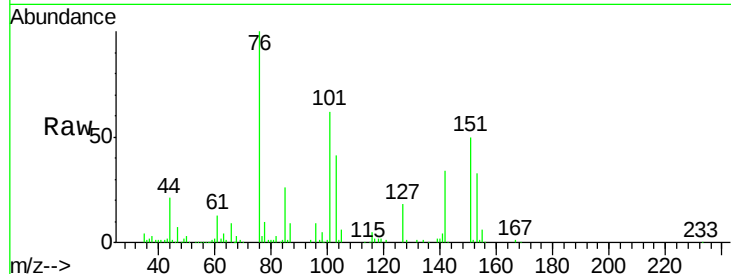




#17
Carbon Disulfide
Concen: 52.468 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

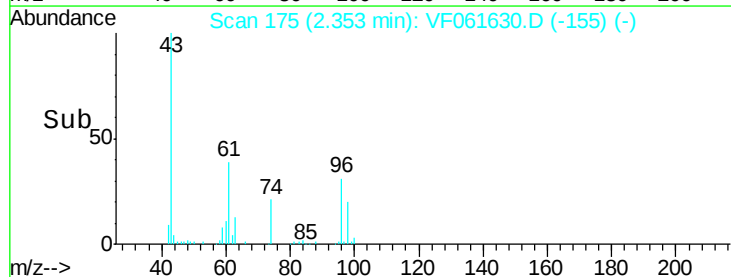
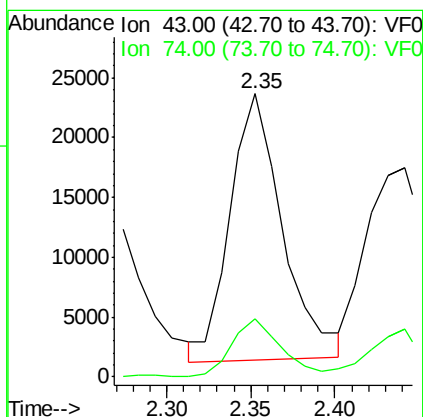
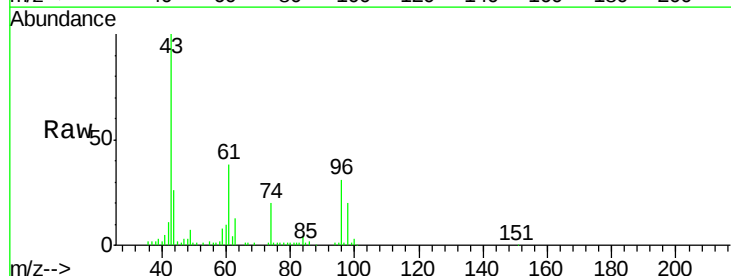
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

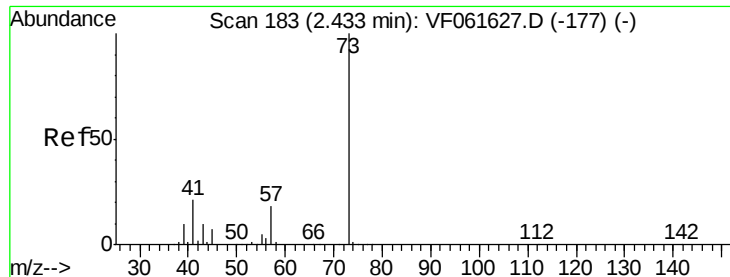
Tgt Ion: 76 Resp: 391824
Ion Ratio Lower Upper
76 100
78 9.7 7.9 11.9



#18
Methyl Acetate
Concen: 49.066 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 43 Resp: 48217
Ion Ratio Lower Upper
43 100
74 20.4 14.6 21.8





#19

Methyl tert-butyl Ether

Concen: 53.453 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

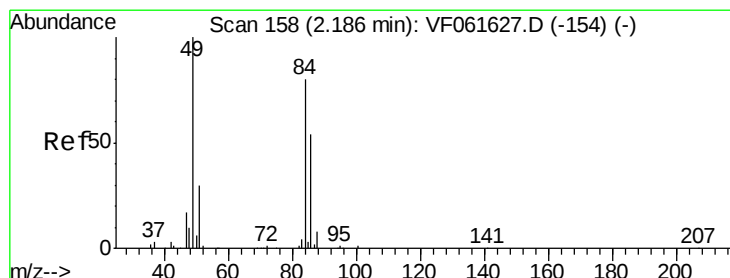
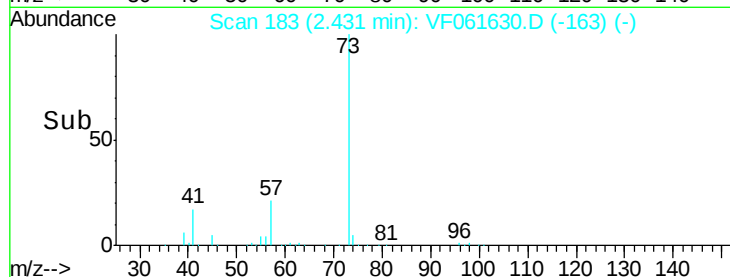
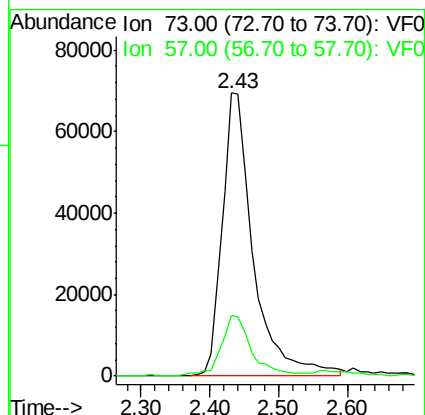
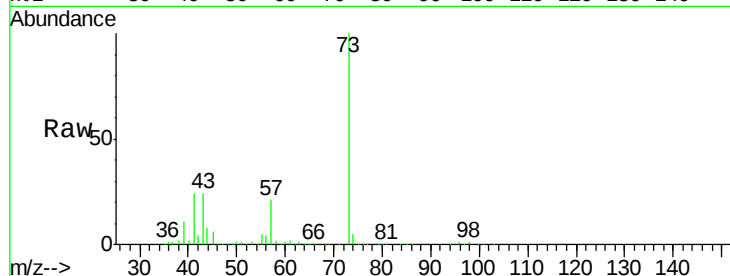
ICVVF021319

Tgt Ion: 73 Resp: 217033

Ion Ratio Lower Upper

73 100

57 21.2 15.8 23.8



#20

Methylene Chloride

Concen: 19.643 ug/l

RT: 2.18 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion: 84 Resp: 49492

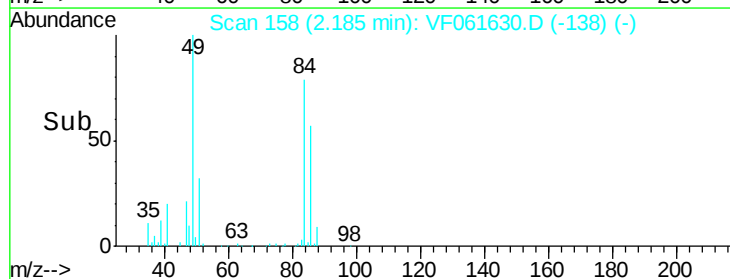
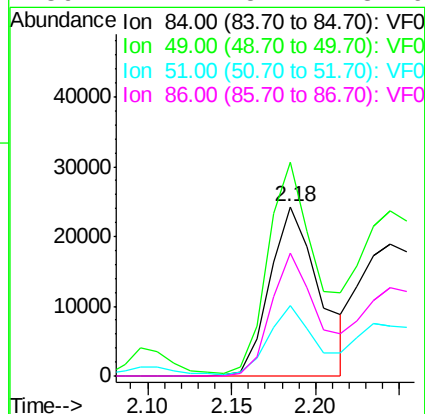
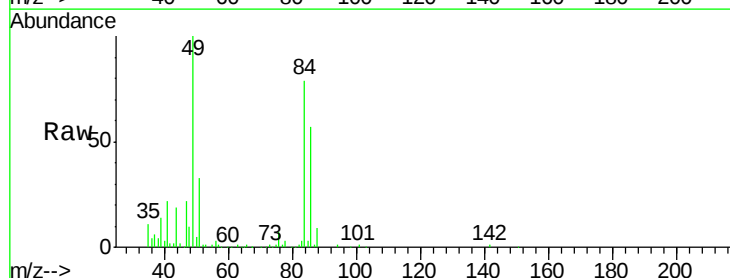
Ion Ratio Lower Upper

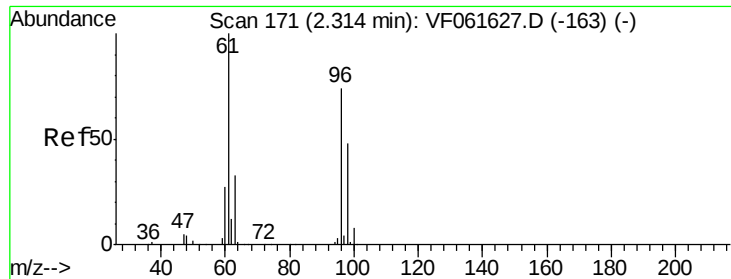
84 100

49 126.4 101.8 152.8

51 41.3 31.1 46.7

86 72.4 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 50.711 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

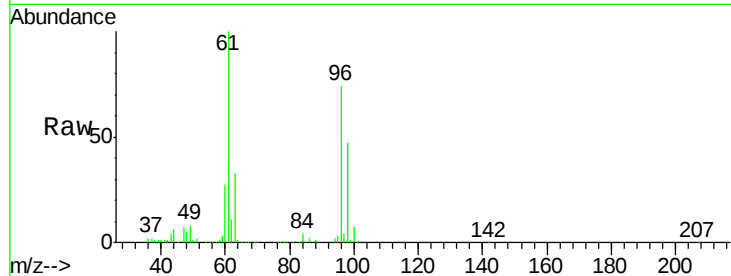
Tgt Ion: 96 Resp: 130969

Ion Ratio Lower Upper

96 100

61 135.3 108.2 162.4

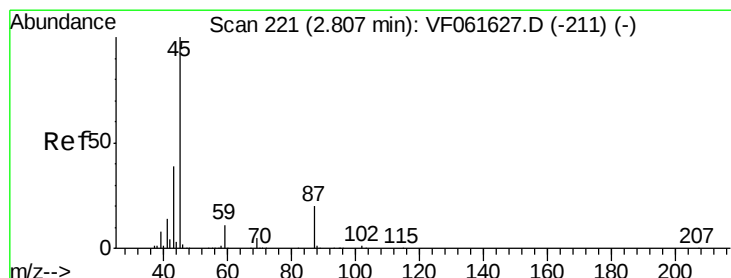
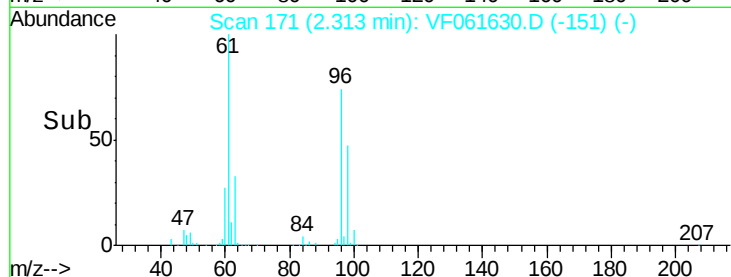
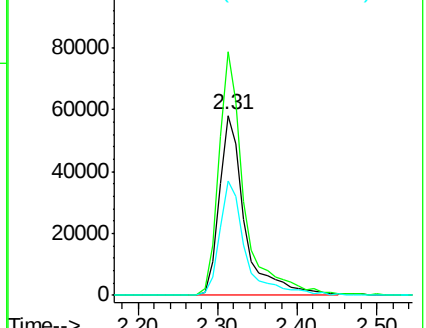
98 63.5 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 52.899 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion: 45 Resp: 370185

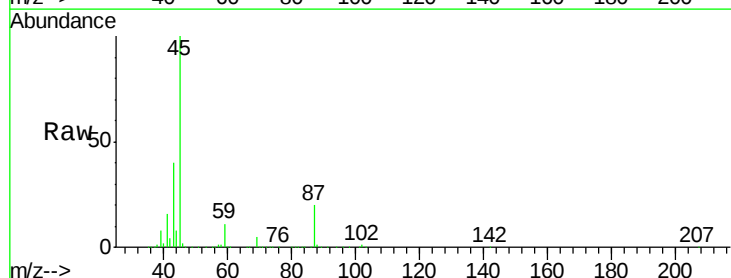
Ion Ratio Lower Upper

45 100

43 40.2 31.4 47.2

87 20.1 16.3 24.5

59 10.7 8.7 13.1

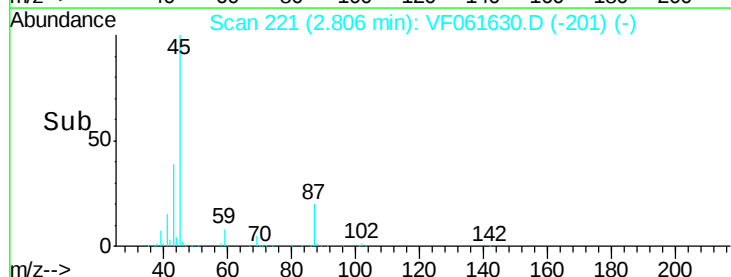
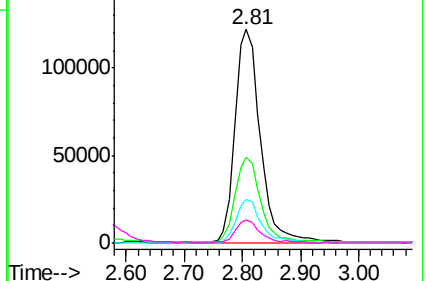


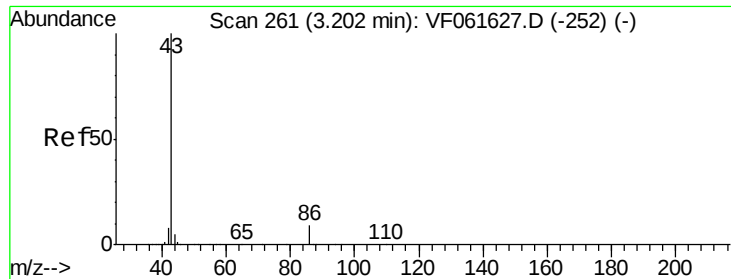
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 275.021 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

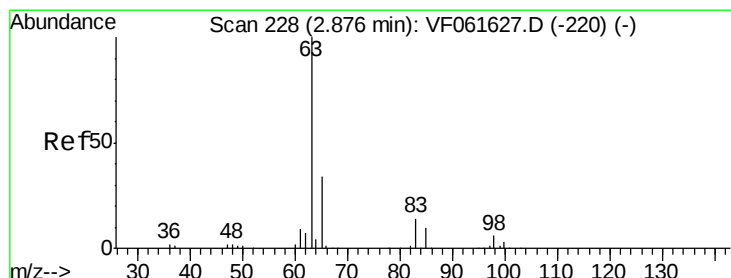
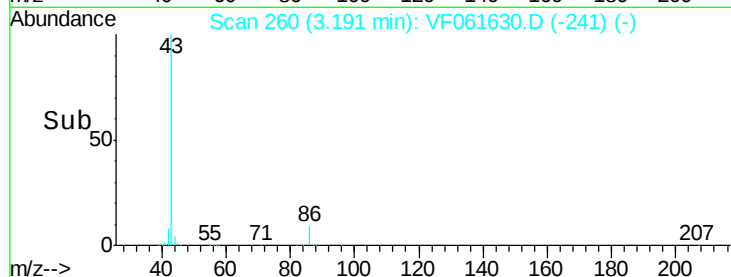
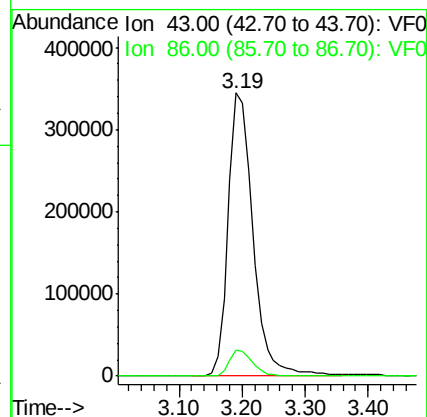
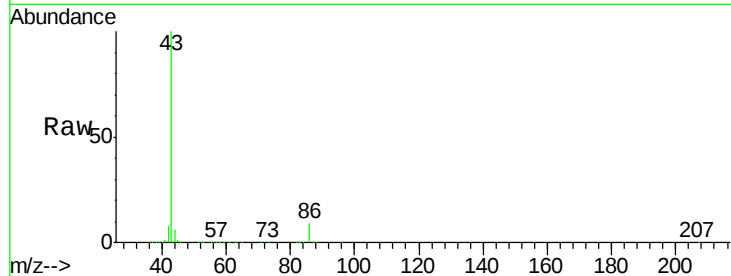
ICVVF021319

Tgt Ion: 43 Resp: 940031

Ion Ratio Lower Upper

43 100

86 9.0 7.5 11.3



#24

1,1-Dichloroethane

Concen: 52.867 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

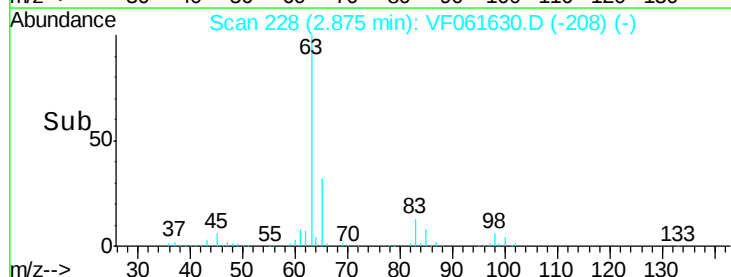
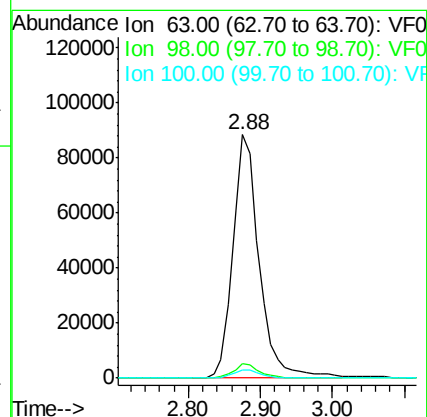
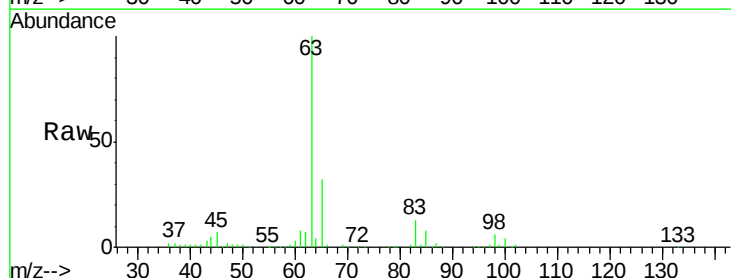
Tgt Ion: 63 Resp: 223889

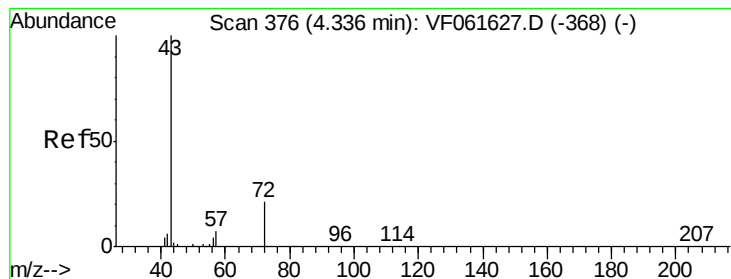
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 266.425 ug/l

RT: 4.34 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

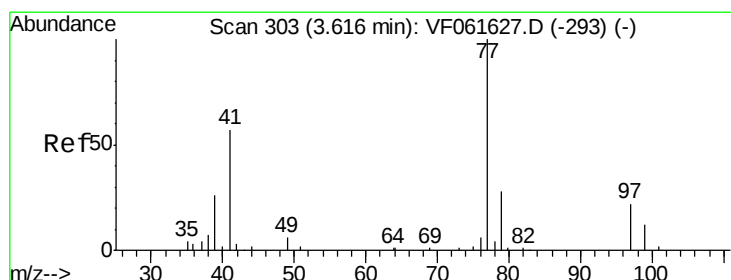
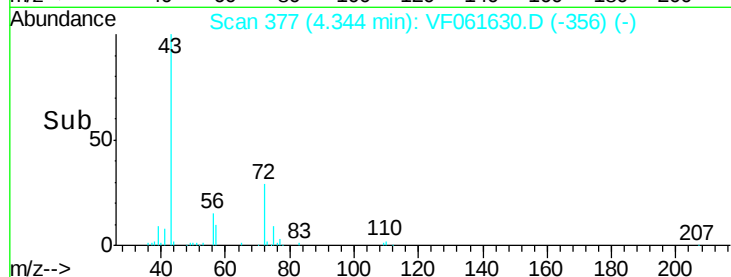
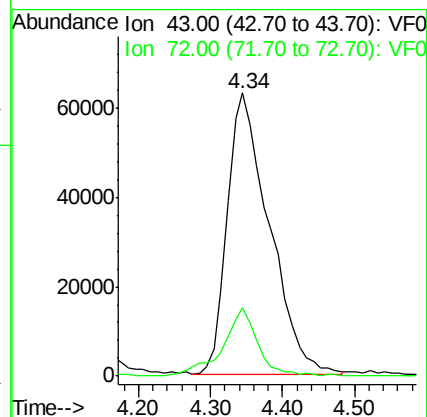
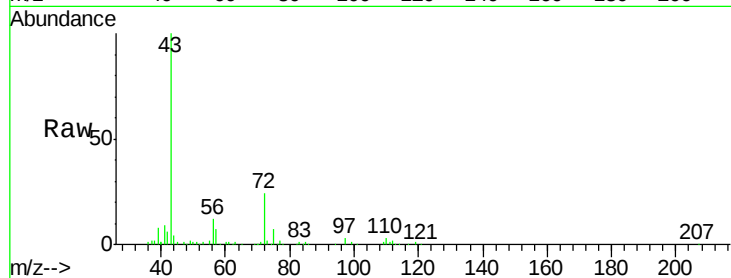
ICVVF021319

Tgt Ion: 43 Resp: 253859

Ion Ratio Lower Upper

43 100

72 23.9 17.1 25.7



#26

2,2-Dichloropropane

Concen: 53.744 ug/l

RT: 3.60 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061630.D

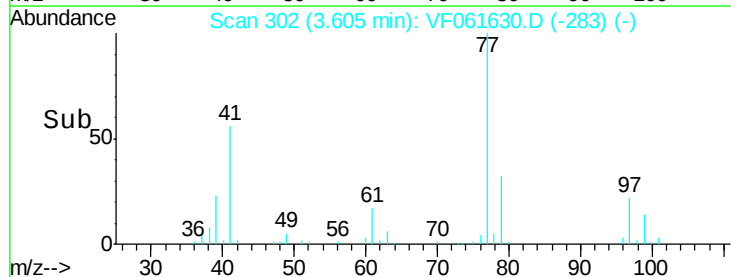
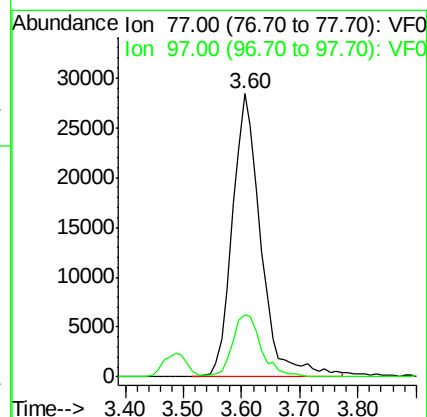
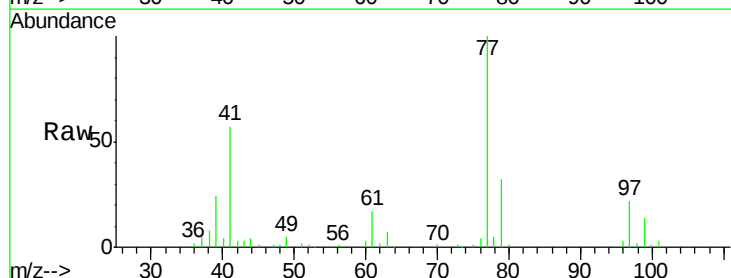
Acq: 13 Feb 2019 19:29

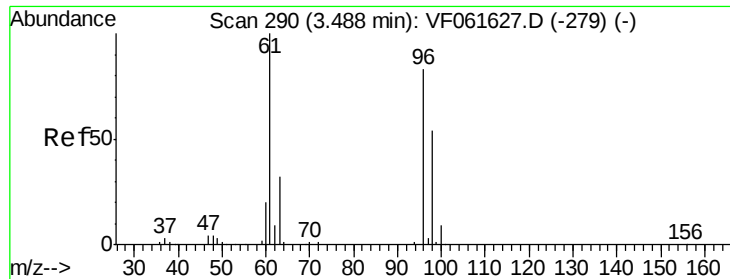
Tgt Ion: 77 Resp: 96409

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0



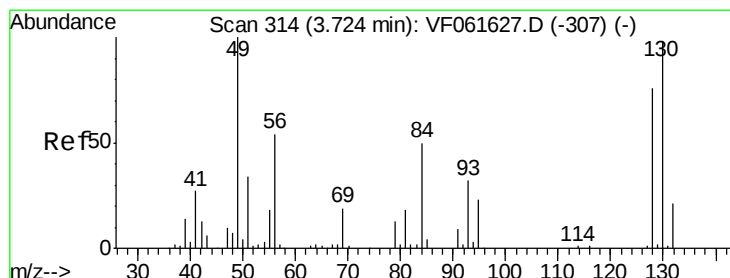
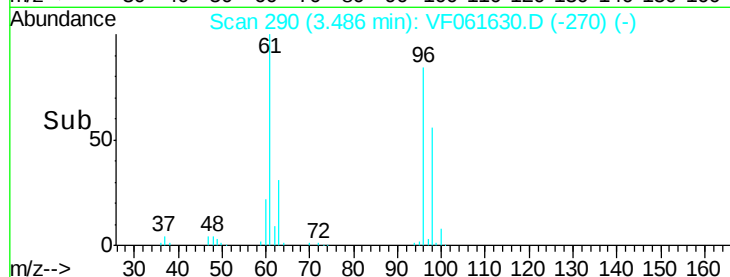
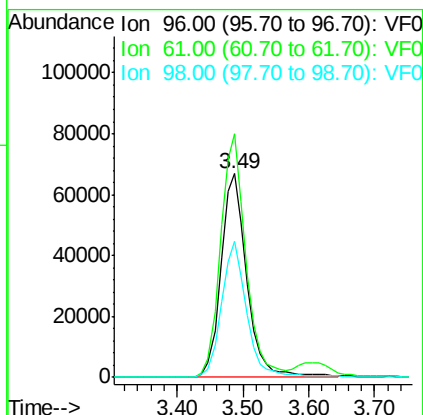
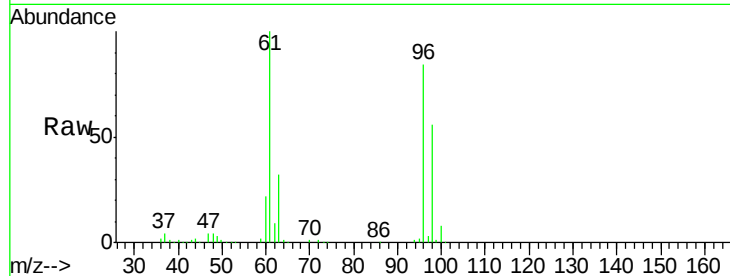


#27

cis-1,2-Dichloroethene
Concen: 54.174 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

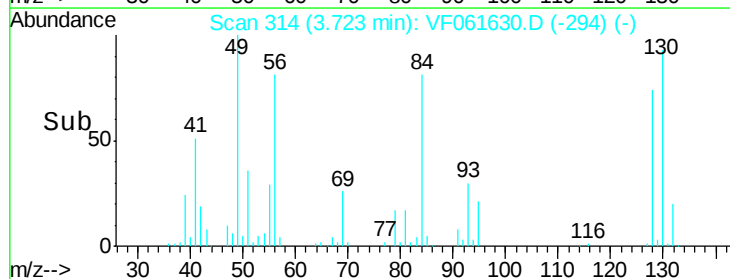
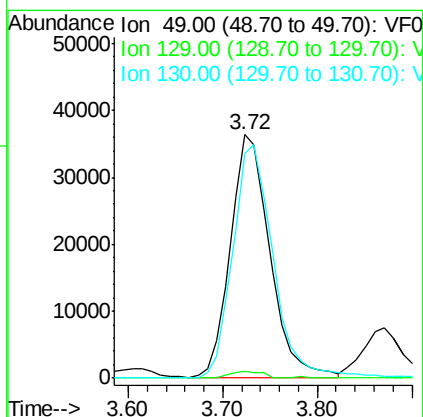
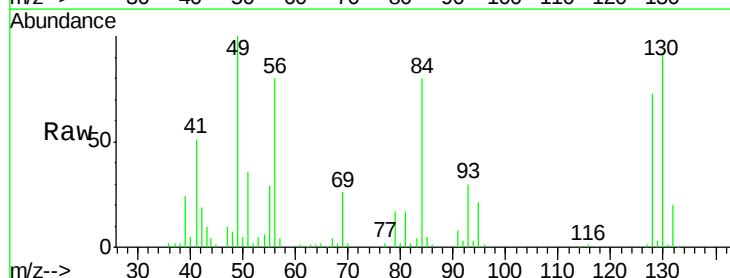
Tgt Ion: 96 Resp: 183645
Ion Ratio Lower Upper
96 100
61 119.5 0.0 241.6
98 67.1 0.0 130.2

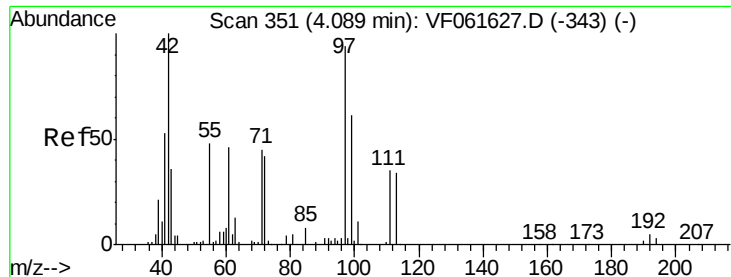


#28

Bromochloromethane
Concen: 52.151 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 49 Resp: 105970
Ion Ratio Lower Upper
49 100
129 2.6 0.0 3.4
130 92.0 77.7 116.5

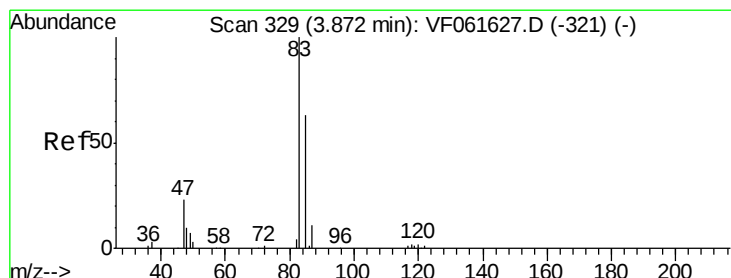
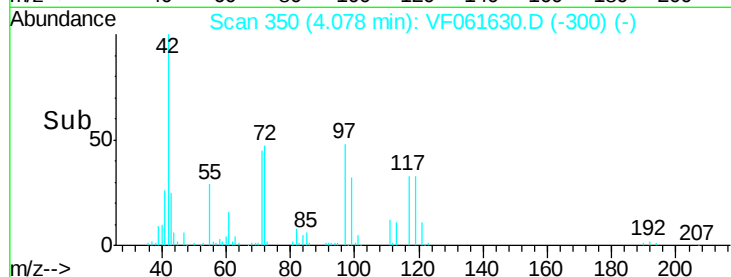
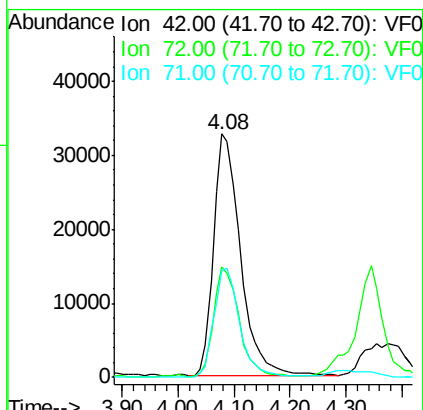
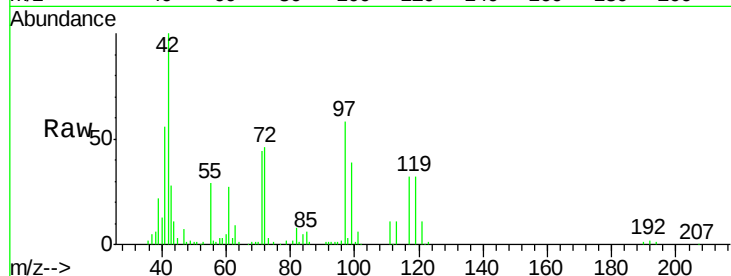




#29
Tetrahydrofuran
Concen: 256.429 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

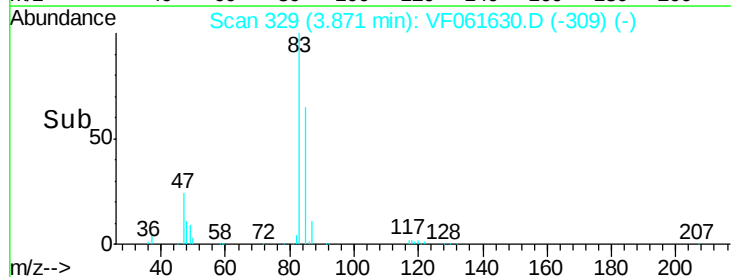
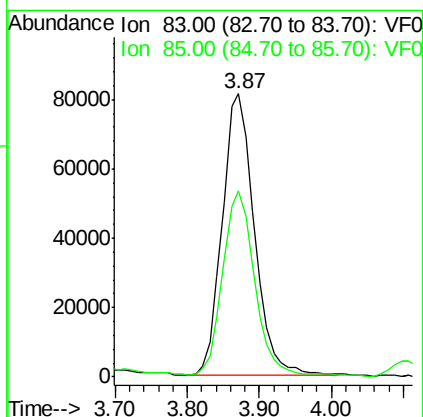
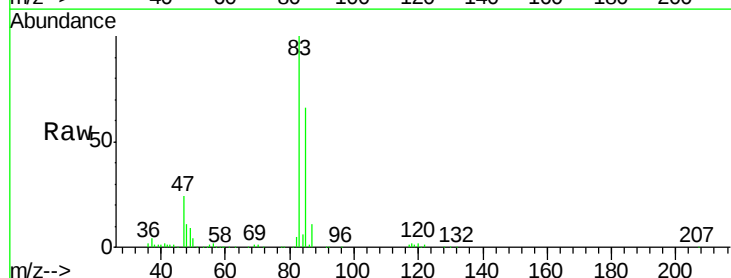
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

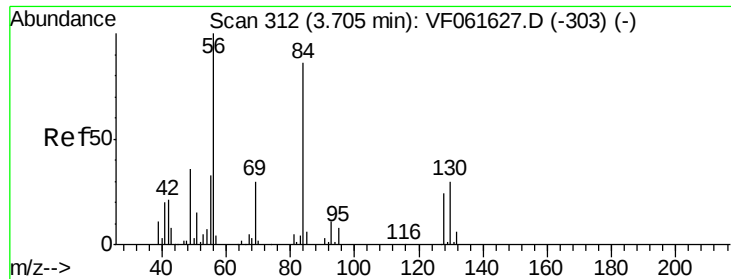
Tgt Ion: 42 Resp: 111052
Ion Ratio Lower Upper
42 100
72 43.5 35.2 52.8
71 43.4 32.9 49.3



#30
Chloroform
Concen: 52.074 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 83 Resp: 250794
Ion Ratio Lower Upper
83 100
85 65.9 51.1 76.7

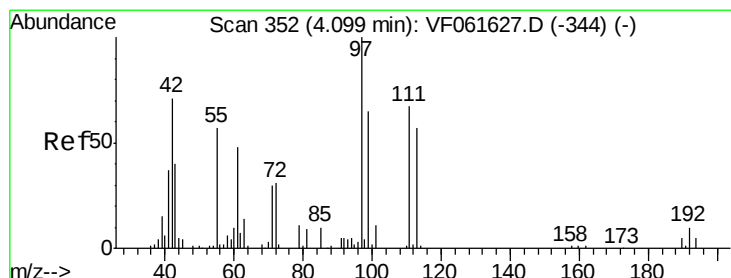
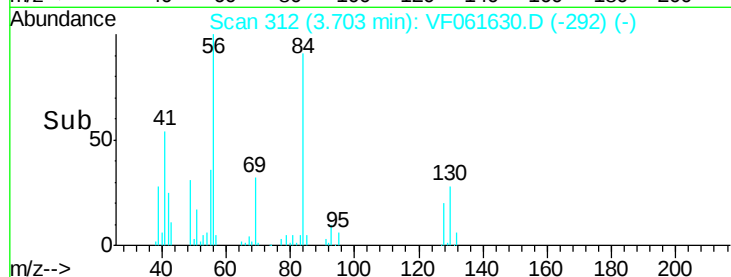
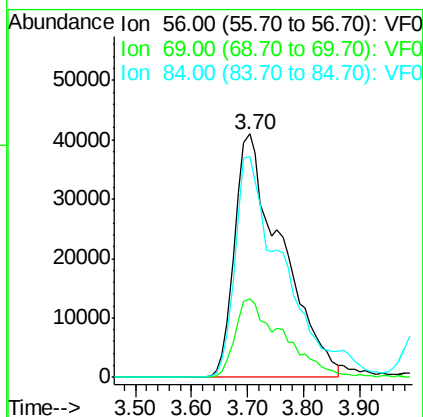
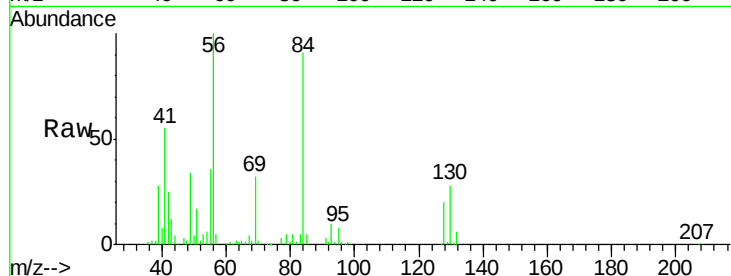




#31
Cyclohexane
Concen: 51.949 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

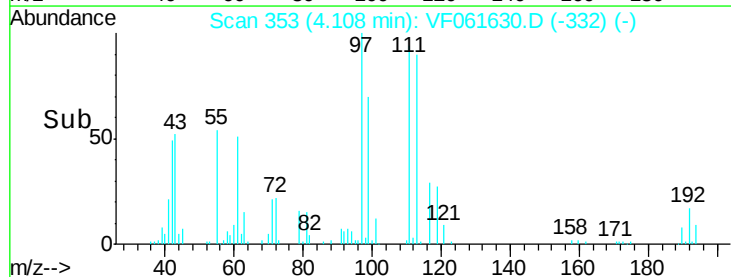
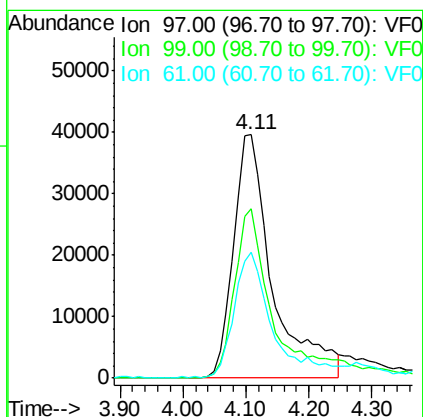
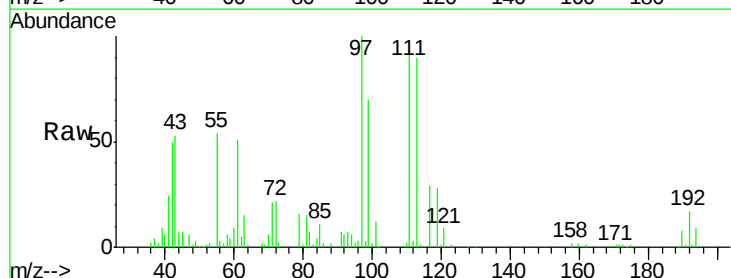
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

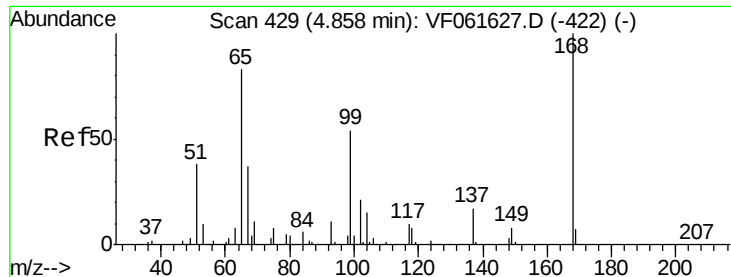
Tgt Ion: 56 Resp: 238164
Ion Ratio Lower Upper
56 100
69 32.1 23.8 35.8
84 90.7 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 54.196 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 97 Resp: 170980
Ion Ratio Lower Upper
97 100
99 69.5 52.2 78.2
61 51.4 39.2 58.8

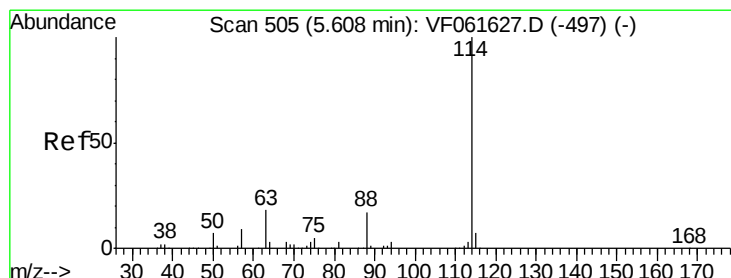
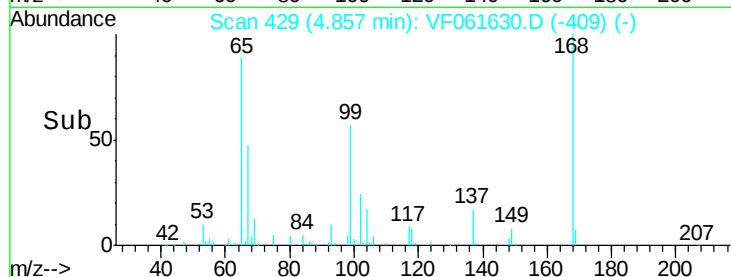
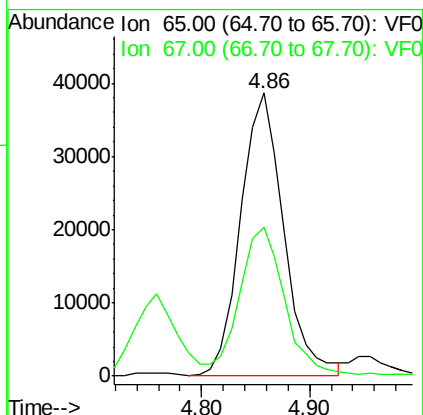
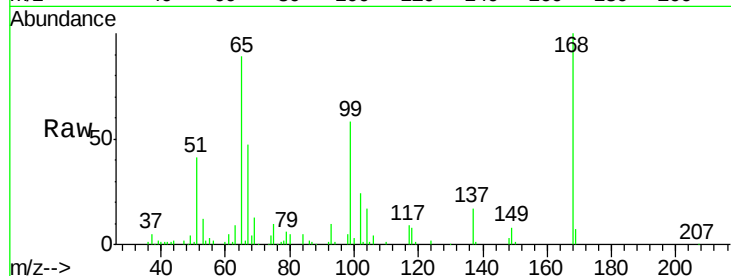




#33
 1,2-Dichloroethane-d4
 Concen: 52.587 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

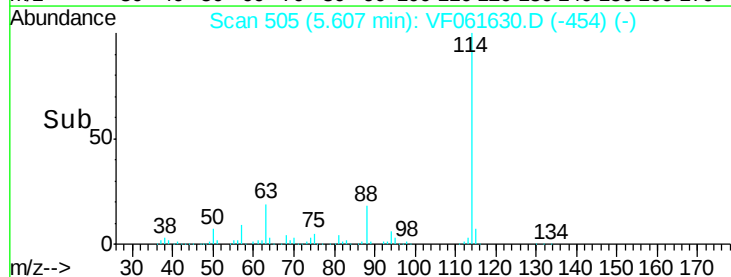
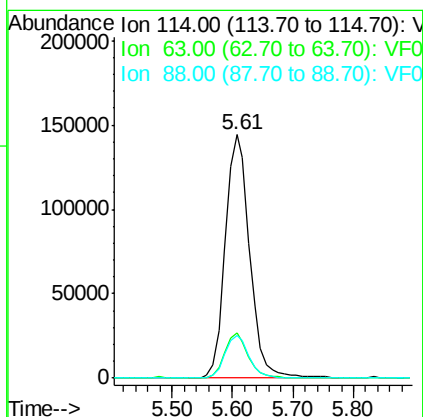
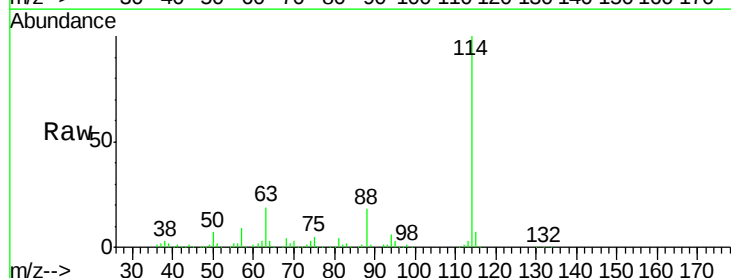
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

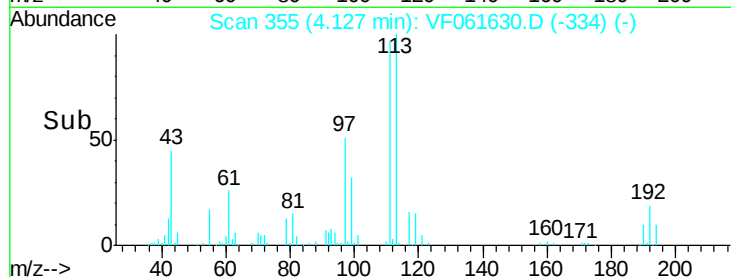
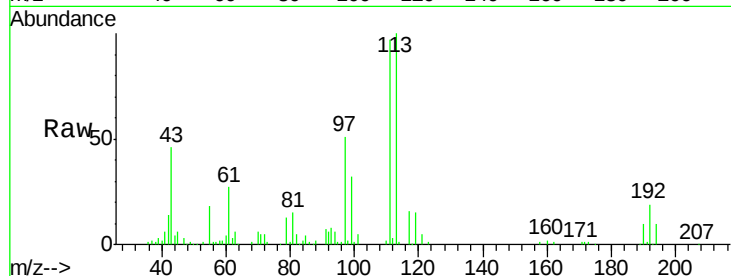
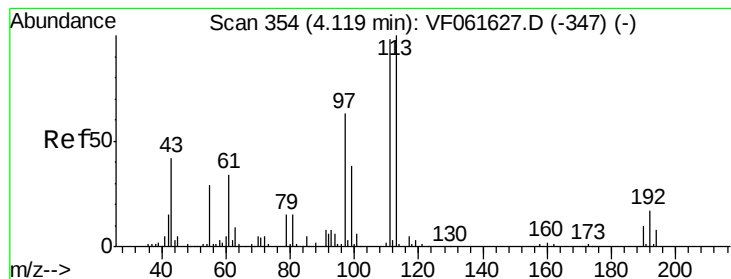
Tgt Ion: 65 Resp: 106916
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion: 114 Resp: 402816
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.6
 88 17.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 52.022 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

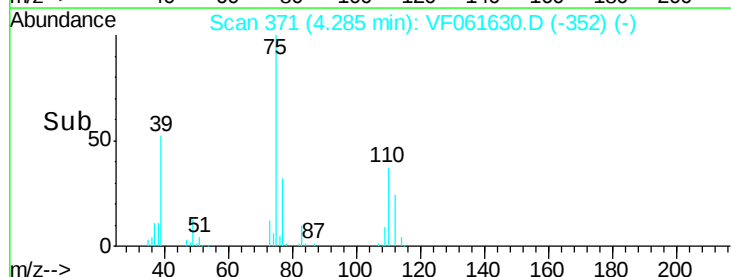
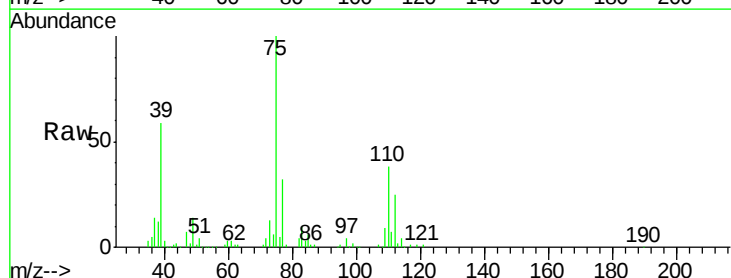
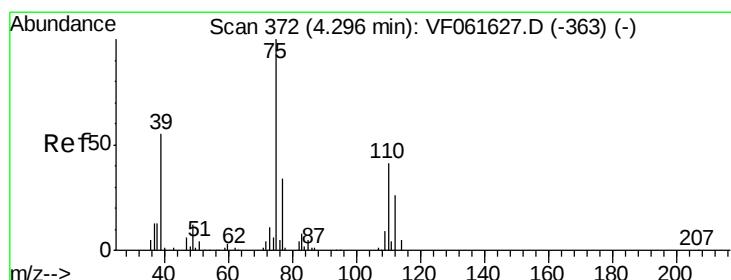
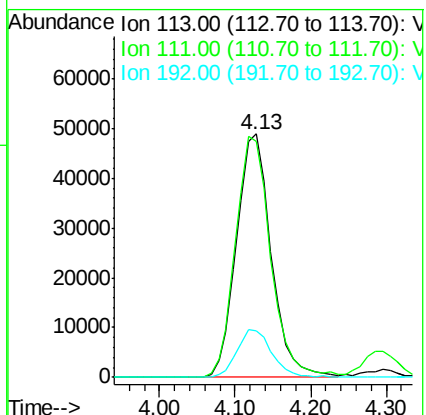
Tgt Ion: 113 Resp: 155615

Ion Ratio Lower Upper

113 100

111 96.9 78.8 118.2

192 19.1 13.4 20.0



#36

1,1-Dichloropropene

Concen: 55.546 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

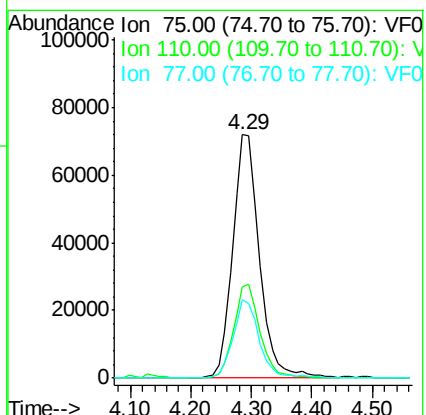
Tgt Ion: 75 Resp: 221651

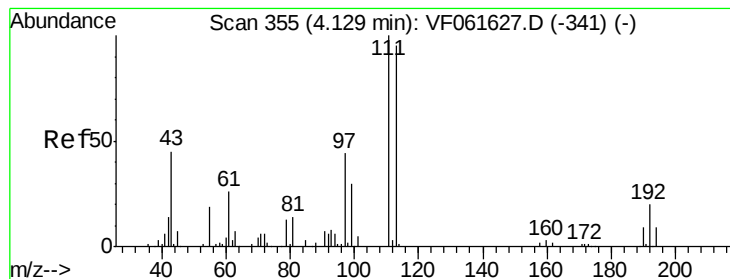
Ion Ratio Lower Upper

75 100

110 37.7 20.5 61.6

77 32.4 27.0 40.4





#37

Ethyl Acetate

Concen: 50.621 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

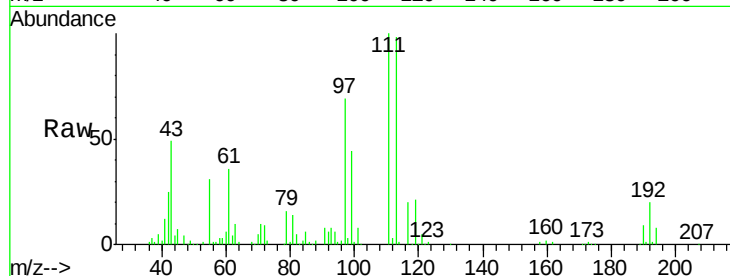
Tgt Ion: 43 Resp: 93822

Ion Ratio Lower Upper

43 100

61 72.6 45.7 68.5#

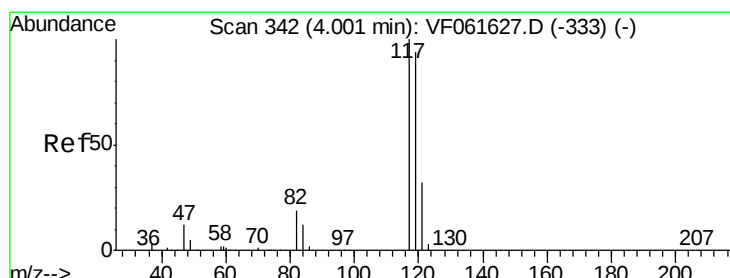
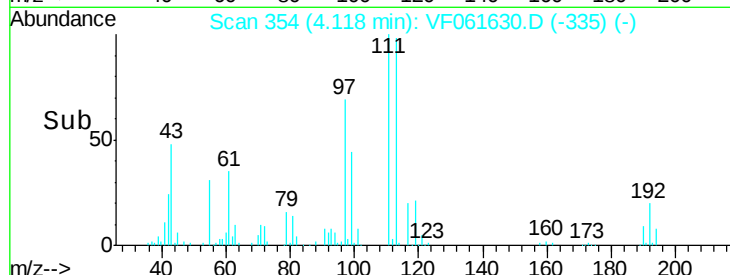
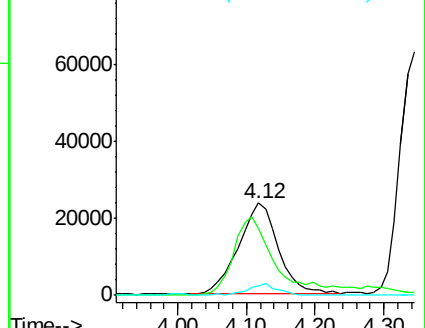
70 9.8 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 57.226 ug/l

RT: 4.00 min Scan# 342

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

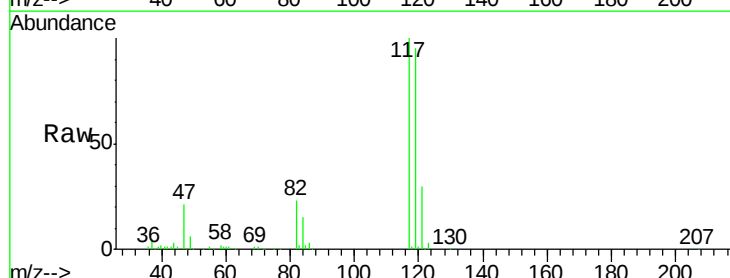
Tgt Ion: 117 Resp: 157682

Ion Ratio Lower Upper

117 100

119 95.1 75.6 113.4

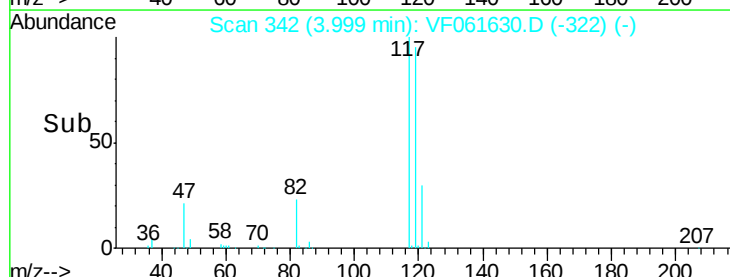
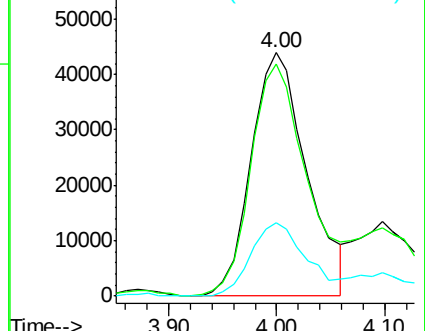
121 30.4 25.2 37.8

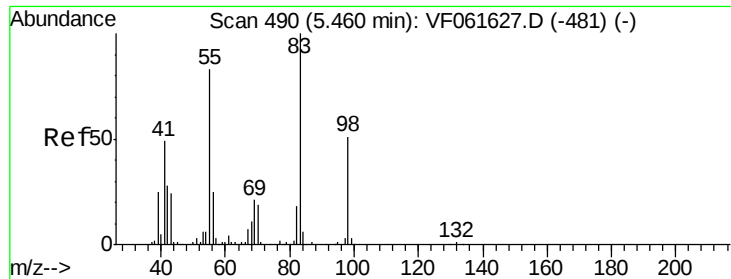


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

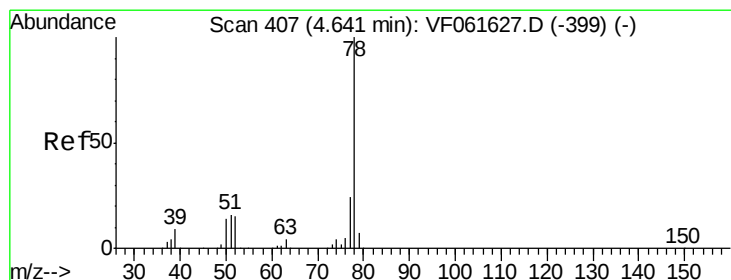
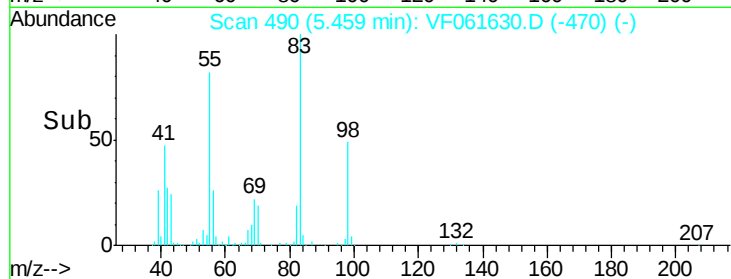
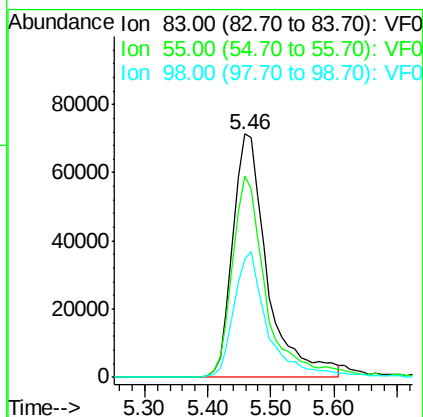
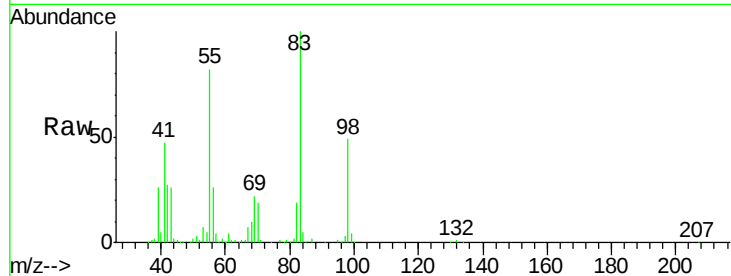




#39
Methylcyclohexane
Concen: 57.234 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

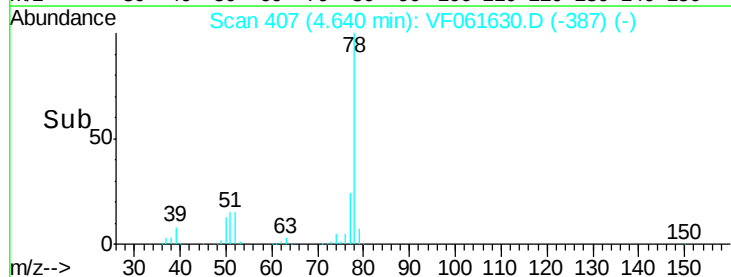
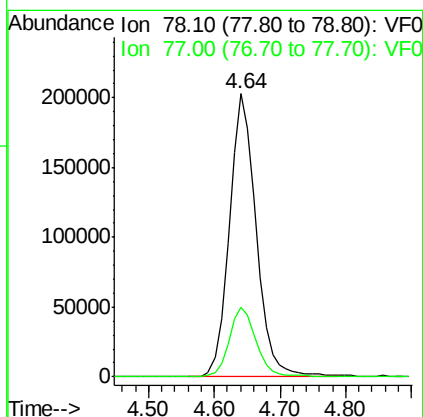
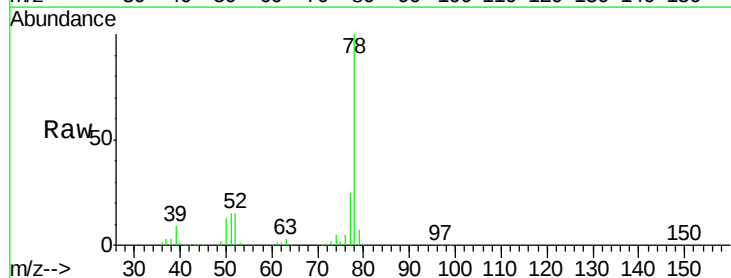
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

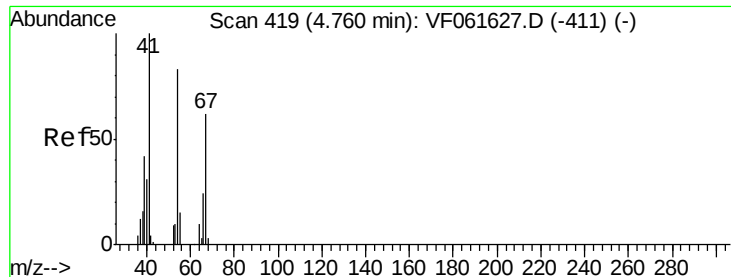
Tgt Ion: 83 Resp: 270101
Ion Ratio Lower Upper
83 100
55 82.5 66.6 99.8
98 48.7 40.4 60.6



#40
Benzene
Concen: 55.646 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 78 Resp: 580810
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6





#41

Methacrylonitrile

Concen: 54.253 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tgt Ion: 41 Resp: 51424

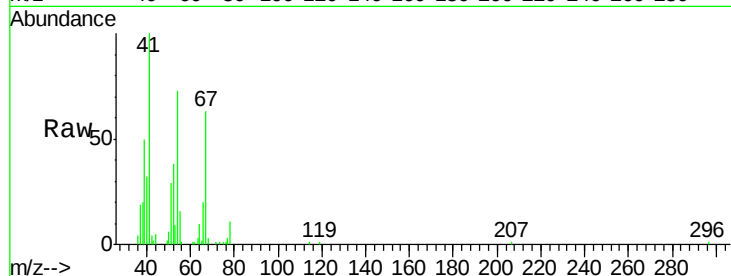
Ion Ratio Lower Upper

41 100

39 50.0 45.3 67.9

67 63.1 49.3 73.9

52 37.6 32.6 49.0

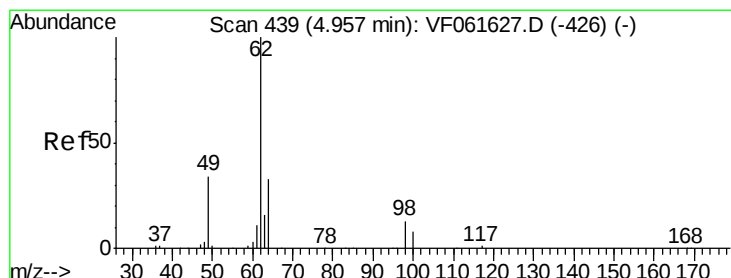
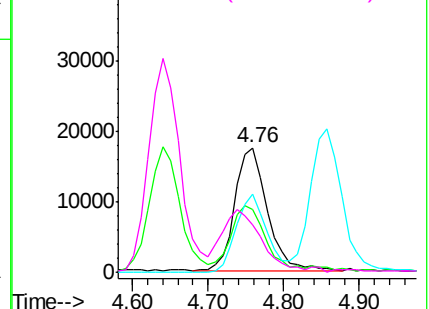
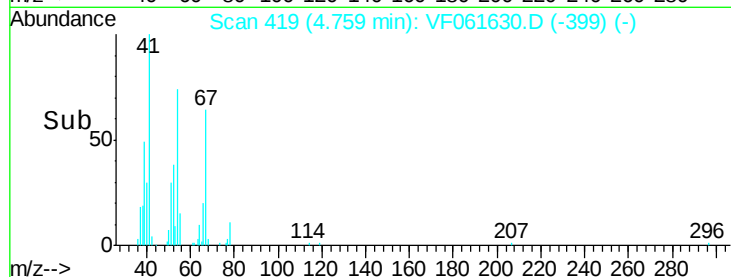


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 55.269 ug/l

RT: 4.96 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF061630.D

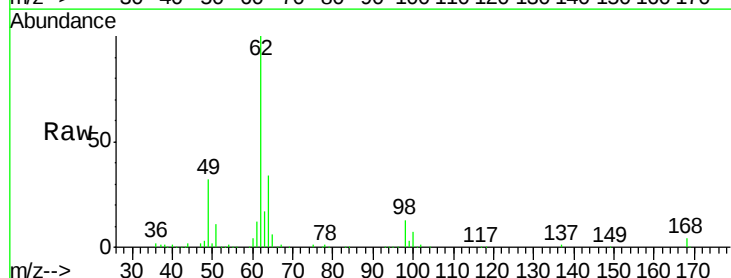
Acq: 13 Feb 2019 19:29

Tgt Ion: 62 Resp: 137991

Ion Ratio Lower Upper

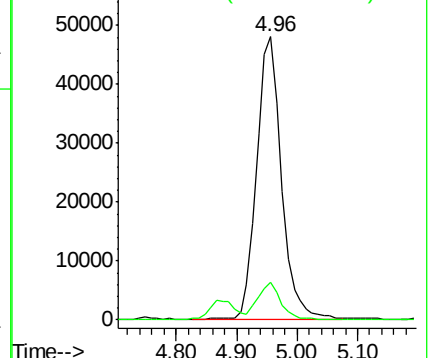
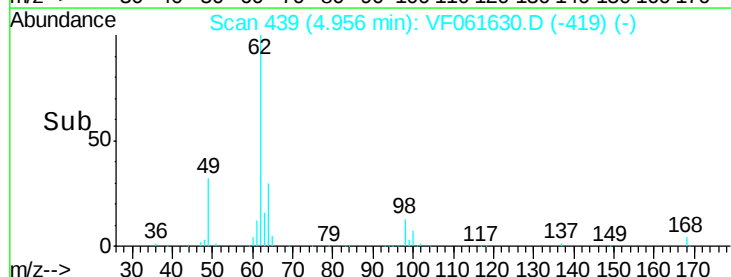
62 100

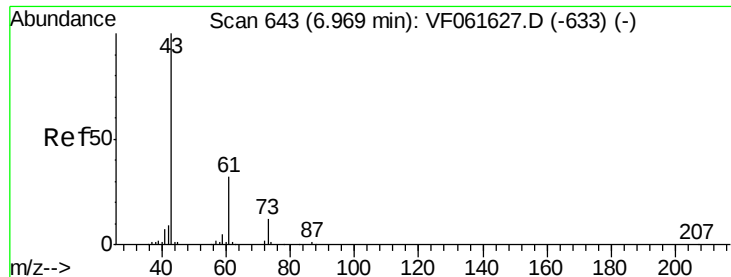
98 13.3 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 53.939 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

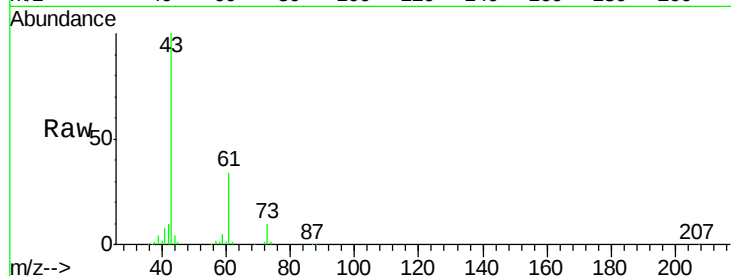
Tgt Ion: 43 Resp: 118336

Ion Ratio Lower Upper

43 100

61 34.3 25.8 38.6

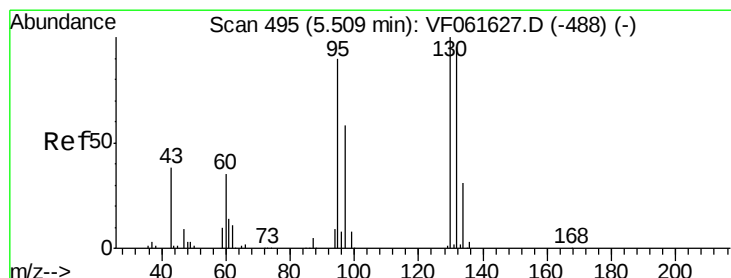
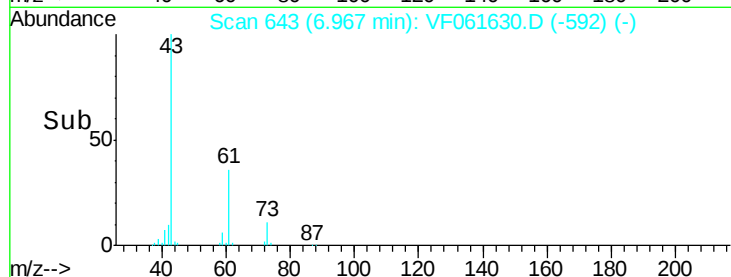
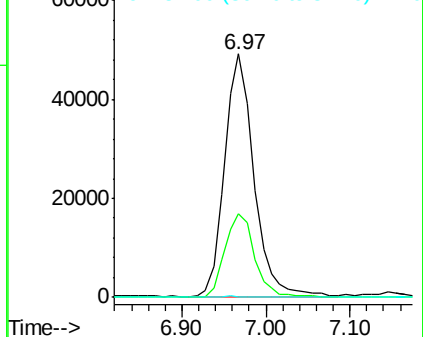
87 0.4 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 54.334 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.00 min

Lab File: VF061630.D

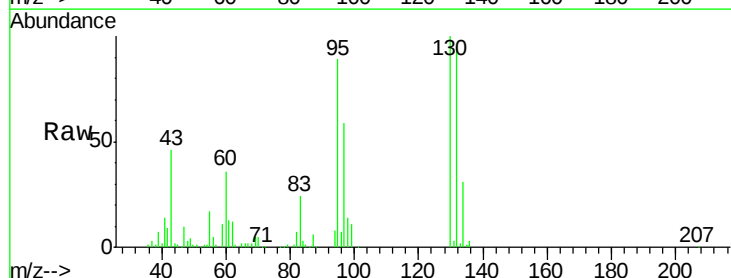
Acq: 13 Feb 2019 19:29

Tgt Ion: 130 Resp: 183390

Ion Ratio Lower Upper

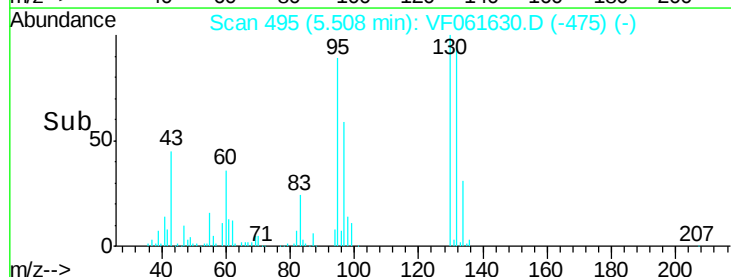
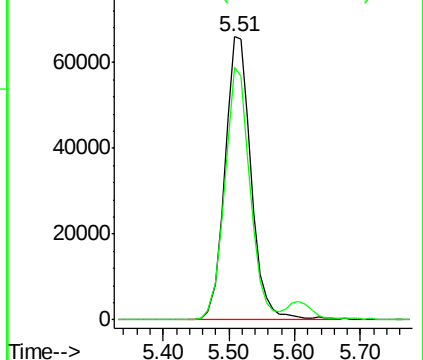
130 100

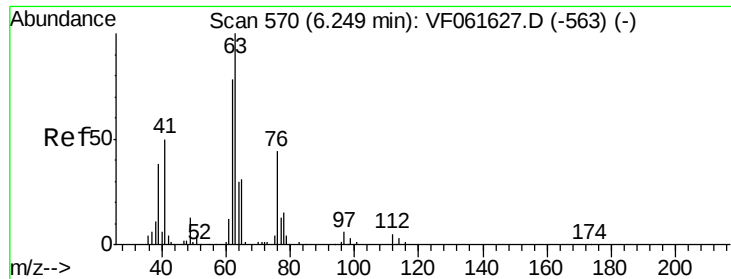
95 89.3 0.0 179.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 55.446 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

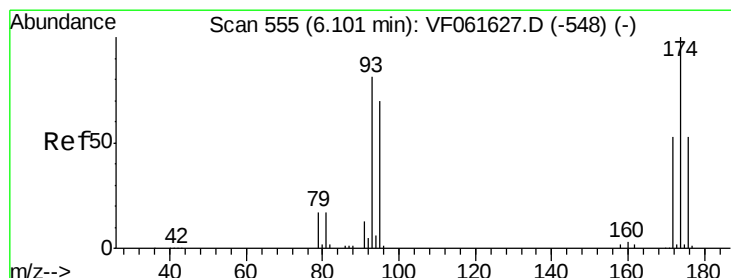
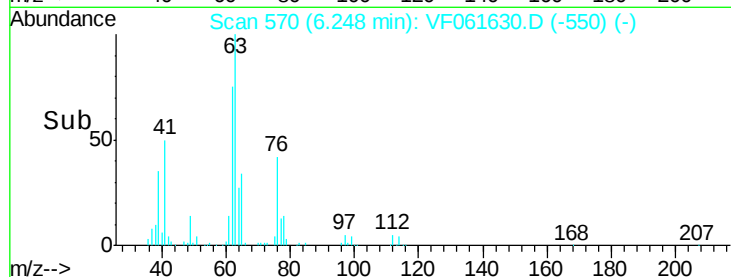
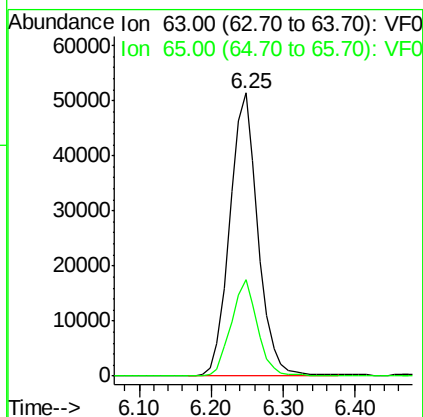
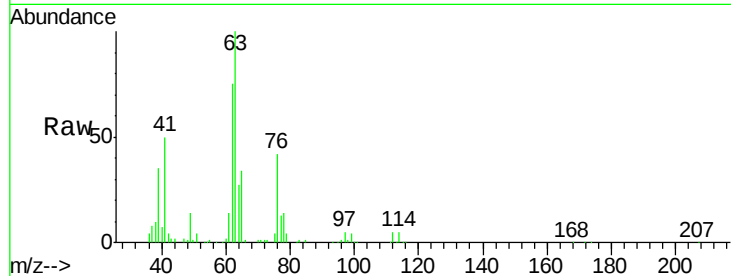
ICVVF021319

Tgt Ion: 63 Resp: 139886

Ion Ratio Lower Upper

63 100

65 34.1 24.9 37.3



#46

Dibromomethane

Concen: 55.553 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

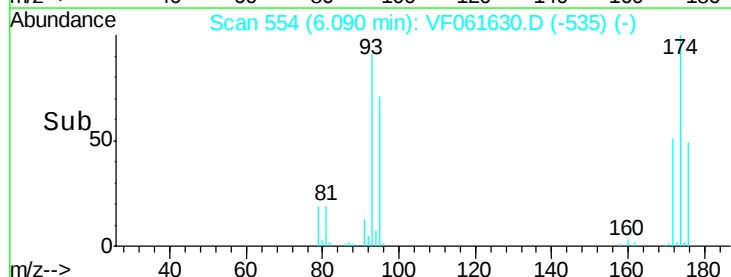
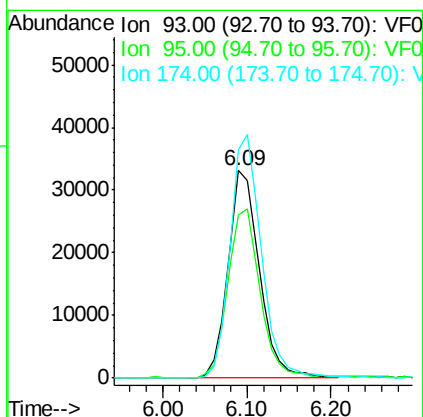
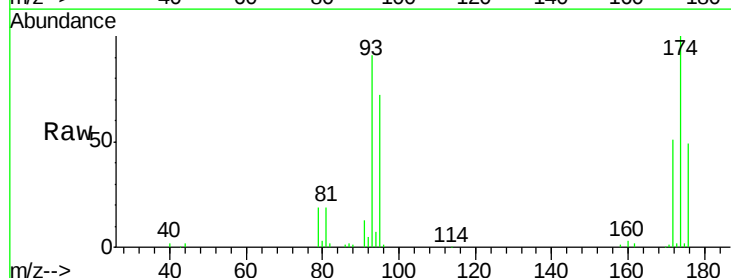
Tgt Ion: 93 Resp: 86296

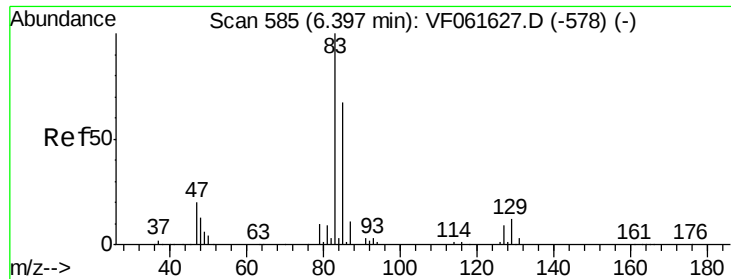
Ion Ratio Lower Upper

93 100

95 78.7 69.0 103.6

174 109.7 99.3 148.9





#47

Bromodichloromethane

Concen: 52.733 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

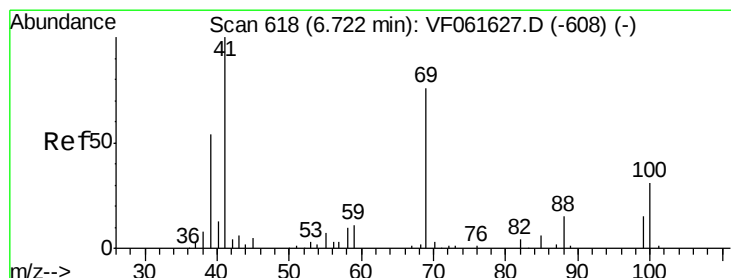
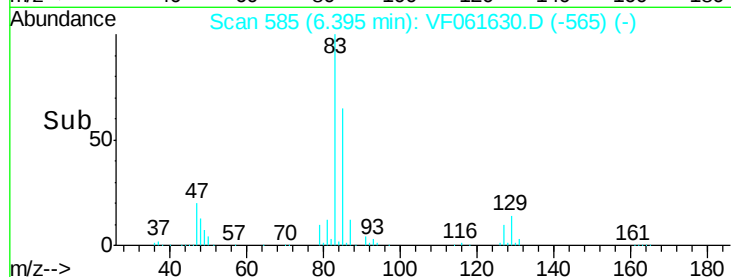
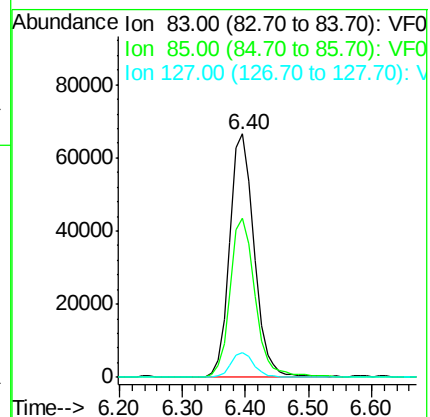
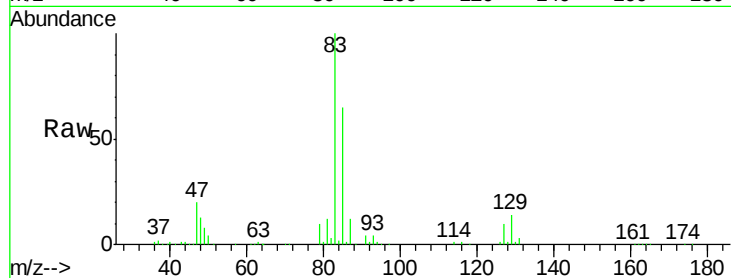
Tgt Ion: 83 Resp: 179382

Ion Ratio Lower Upper

83 100

85 65.4 53.4 80.2

127 10.2 7.5 11.3



#48

Methyl methacrylate

Concen: 58.874 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

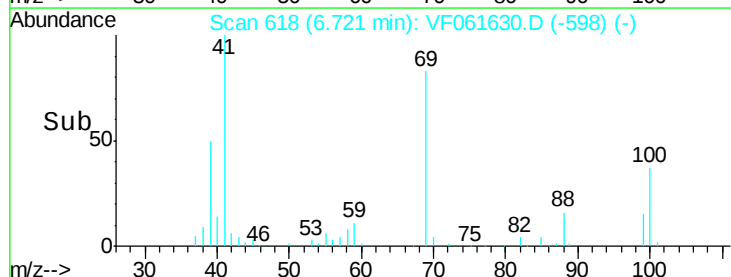
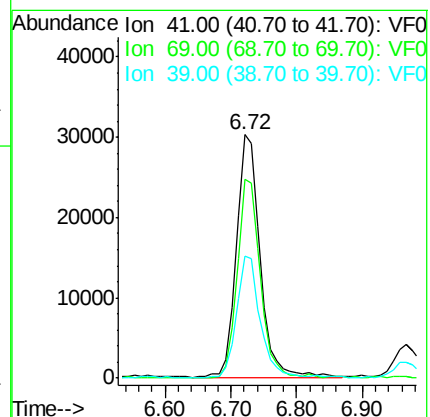
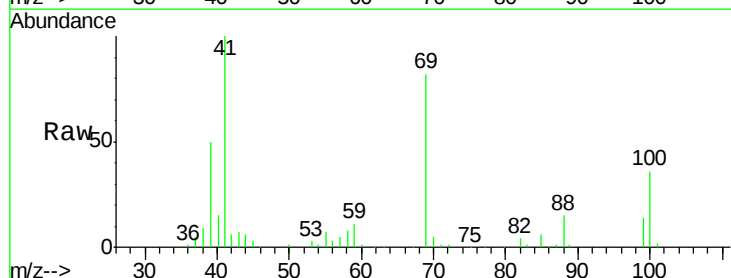
Tgt Ion: 41 Resp: 77729

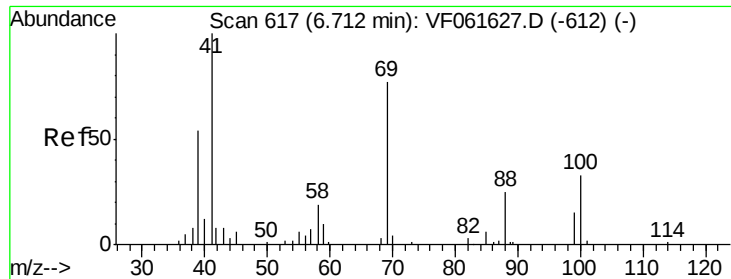
Ion Ratio Lower Upper

41 100

69 81.6 60.4 90.6

39 50.3 43.7 65.5





#49

1,4-Dioxane

Concen: 1075.973 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

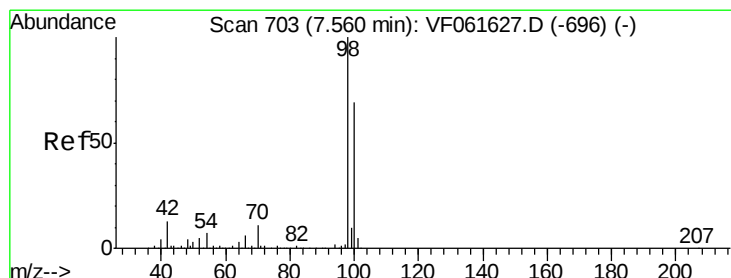
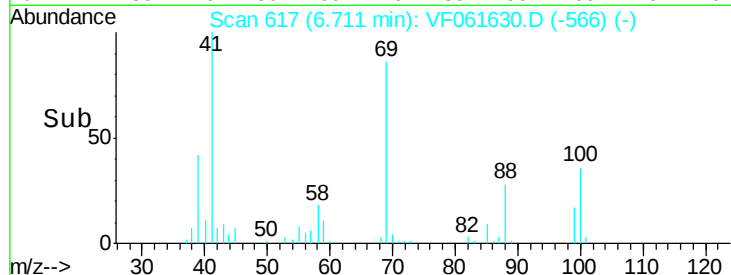
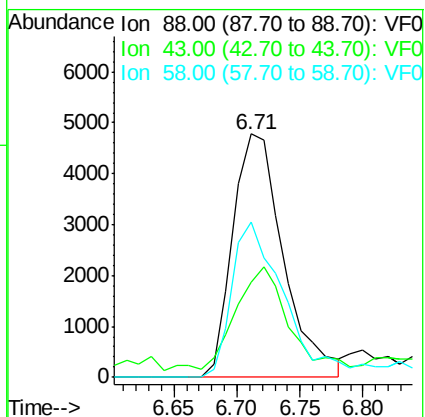
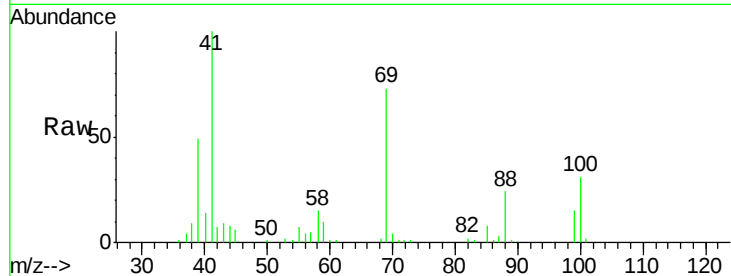
Tgt Ion: 88 Resp: 13354

Ion Ratio Lower Upper

88 100

43 39.2 32.3 48.5

58 63.9 59.4 89.2



#50

Toluene-d8

Concen: 56.976 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF061630.D

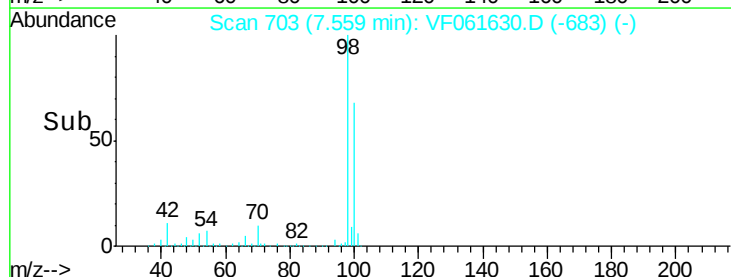
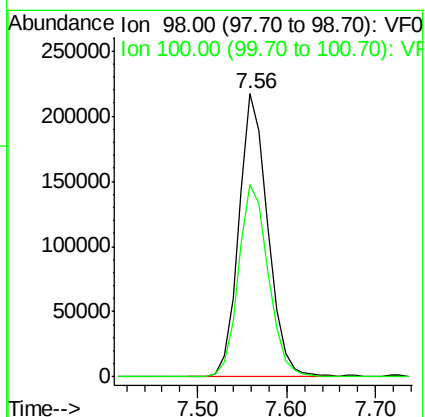
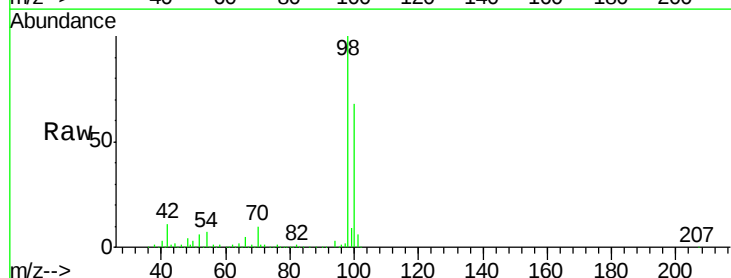
Acq: 13 Feb 2019 19:29

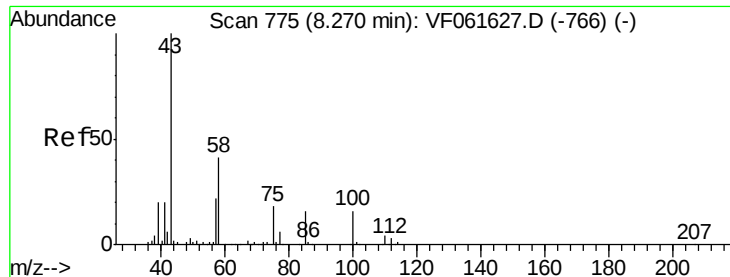
Tgt Ion: 98 Resp: 489951

Ion Ratio Lower Upper

98 100

100 68.2 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 267.023 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

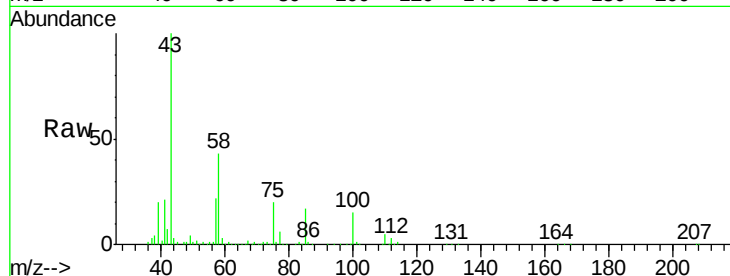
ICVVF021319

Tgt Ion: 43 Resp: 418586

Ion Ratio Lower Upper

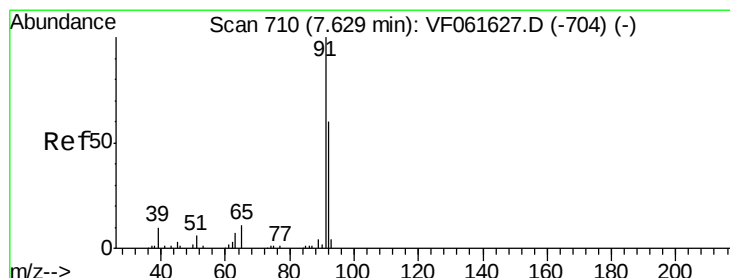
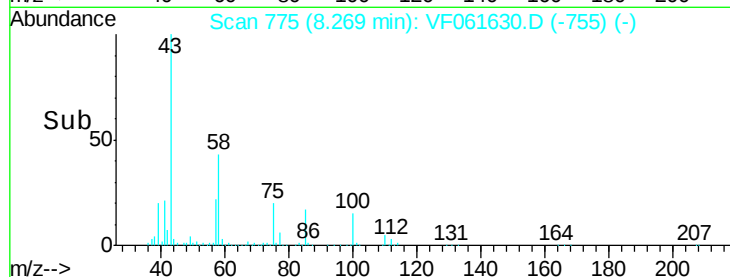
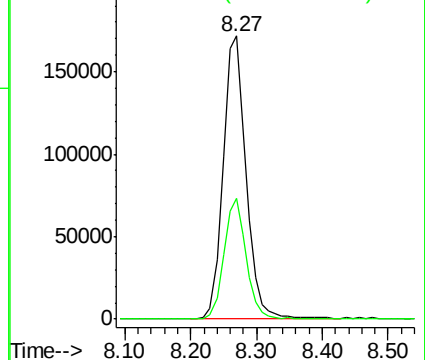
43 100

58 42.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.832 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061630.D

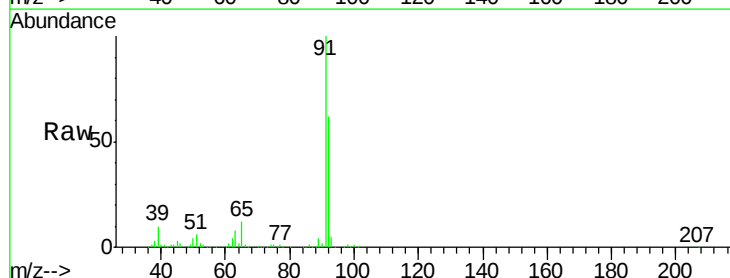
Acq: 13 Feb 2019 19:29

Tgt Ion: 92 Resp: 340765

Ion Ratio Lower Upper

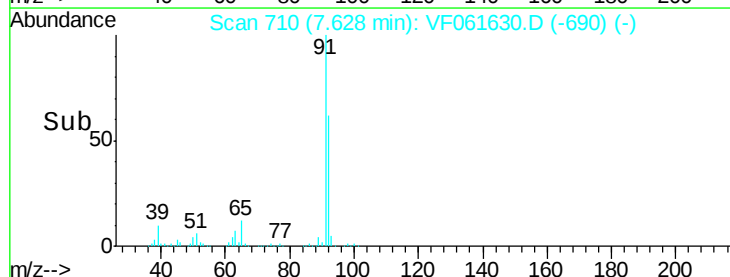
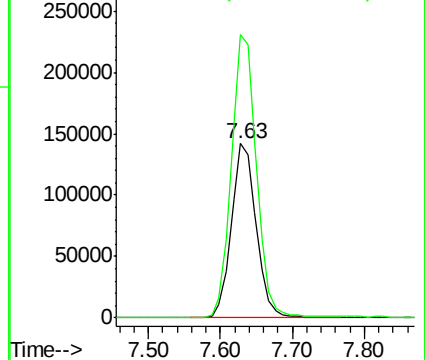
92 100

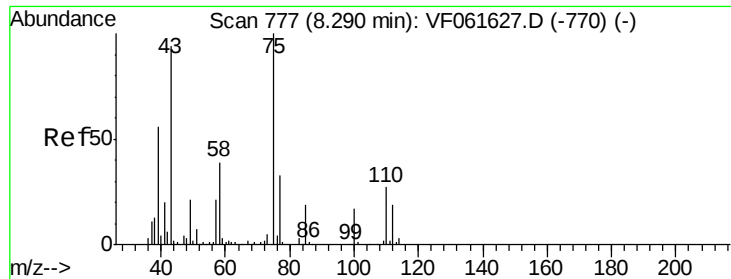
91 162.3 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 54.032 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

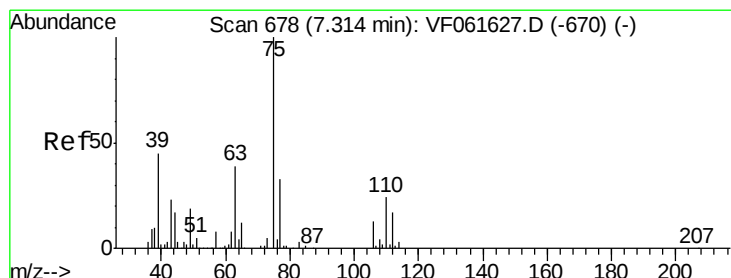
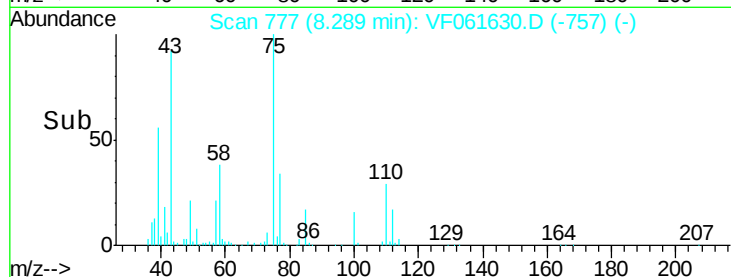
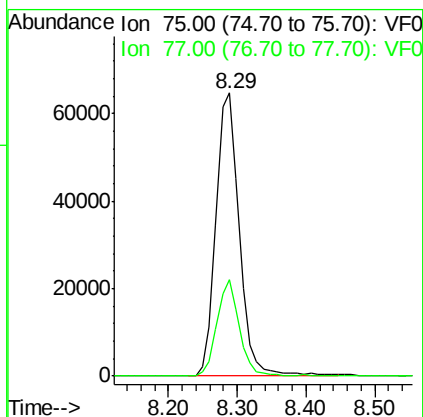
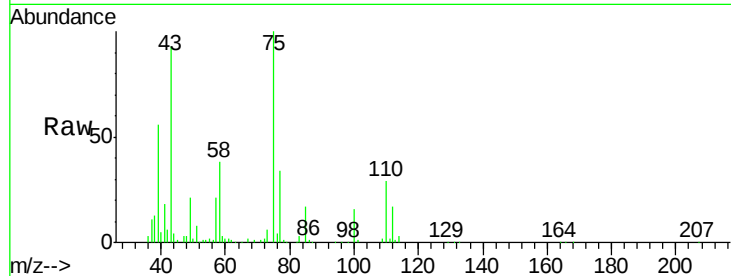
ICVVF021319

Tgt Ion: 75 Resp: 152973

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 56.230 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

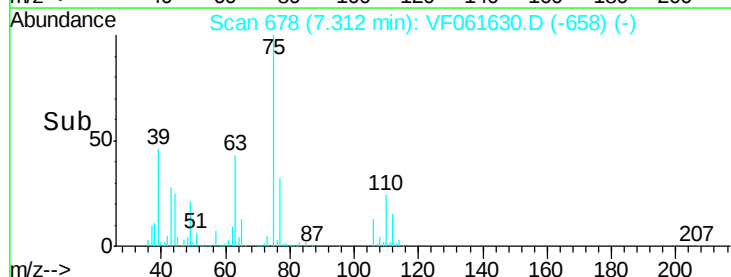
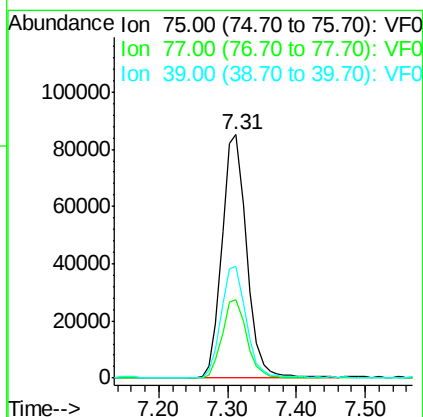
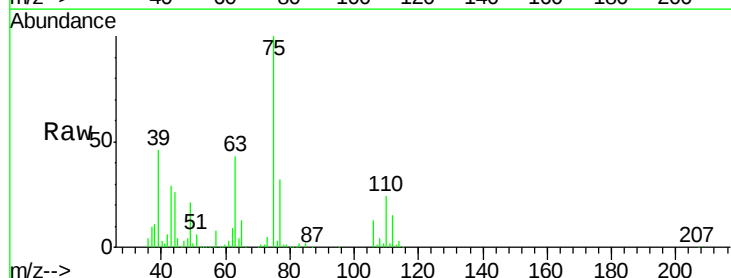
Tgt Ion: 75 Resp: 212045

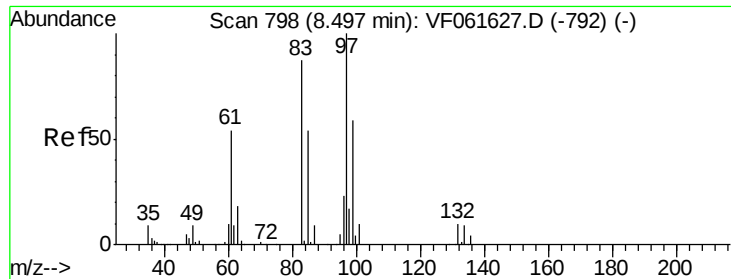
Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6

39 46.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 55.950 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tgt Ion: 97 Resp: 104060

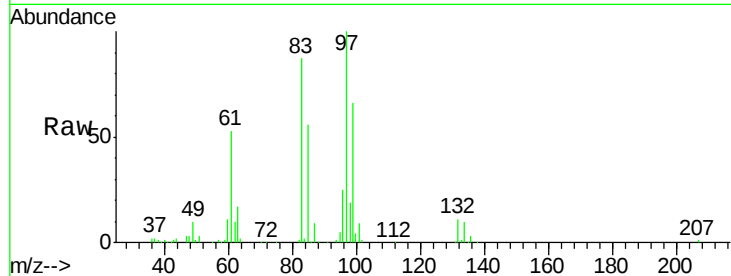
Ion Ratio Lower Upper

97 100

83 86.8 69.2 103.8

85 56.0 43.0 64.4

99 65.8 47.2 70.8

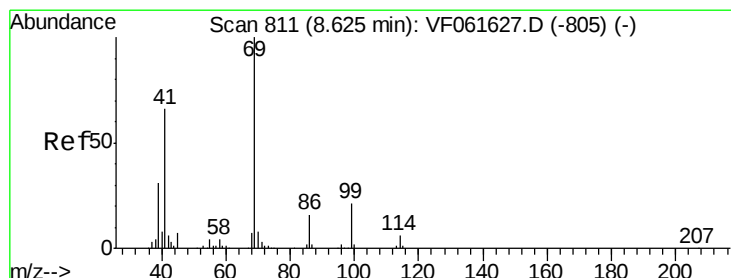
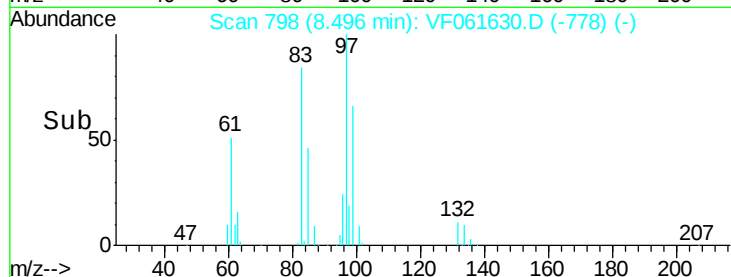
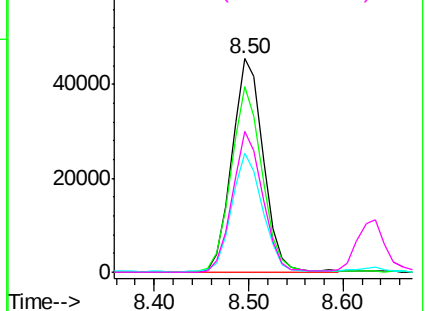


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 55.611 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

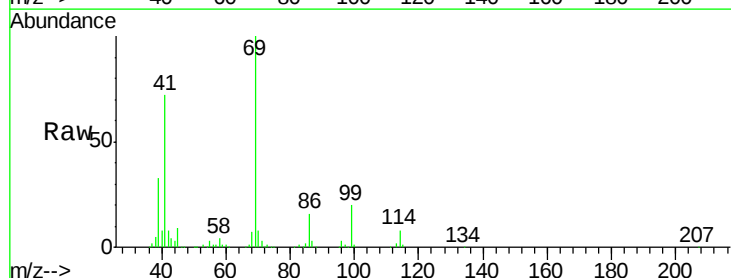
Tgt Ion: 69 Resp: 115153

Ion Ratio Lower Upper

69 100

41 71.8 52.9 79.3

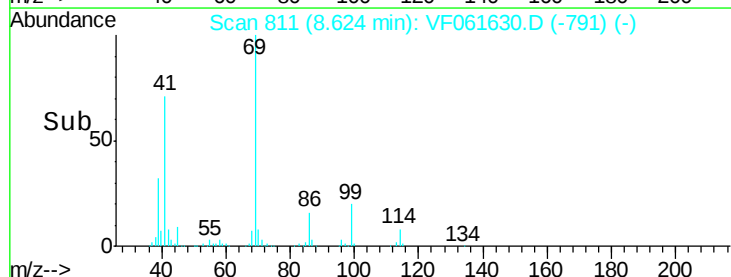
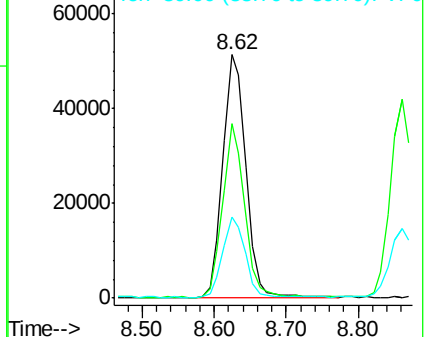
39 33.3 24.5 36.7

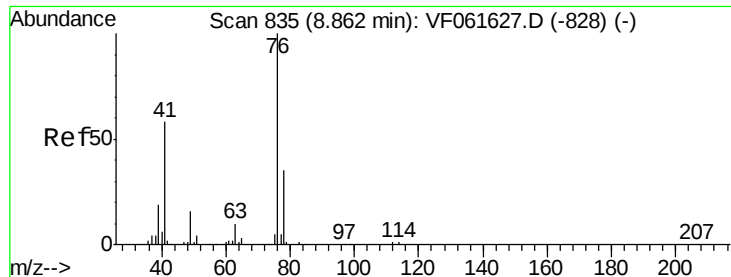


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.013 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

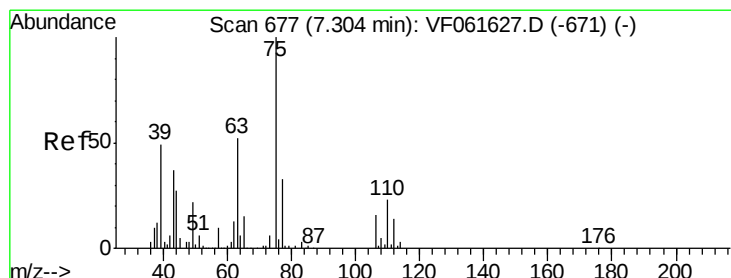
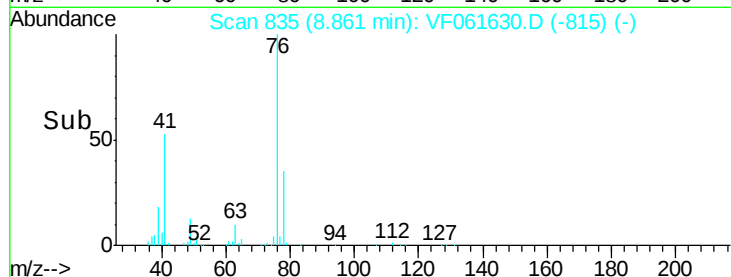
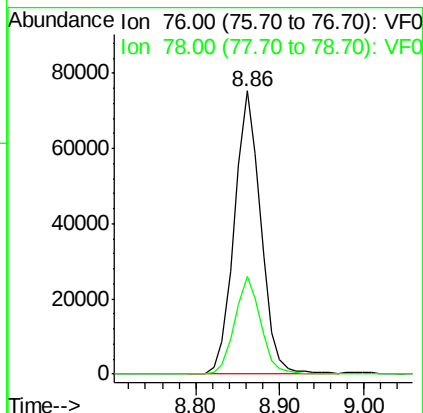
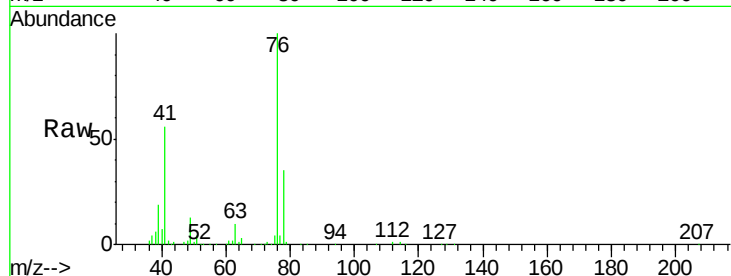
ICVVF021319

Tgt Ion: 76 Resp: 164570

Ion Ratio Lower Upper

76 100

78 34.7 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 286.436 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061630.D

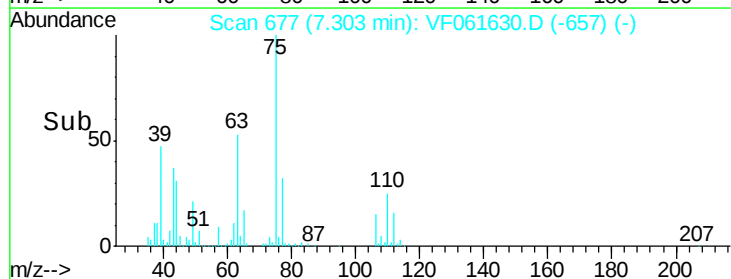
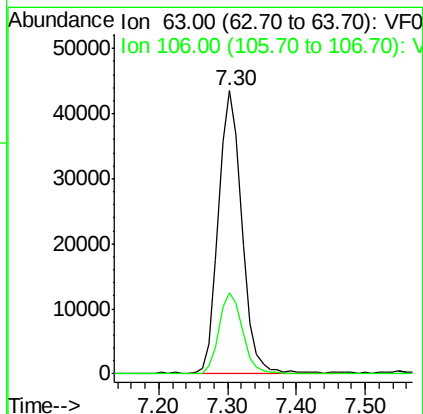
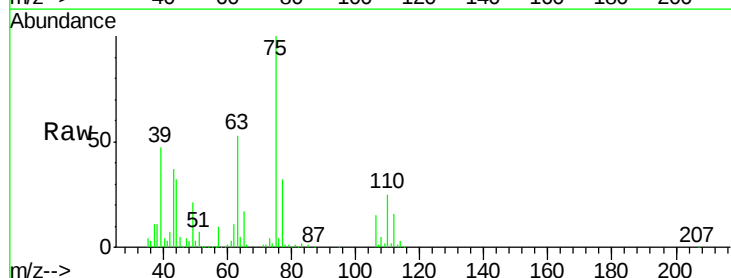
Acq: 13 Feb 2019 19:29

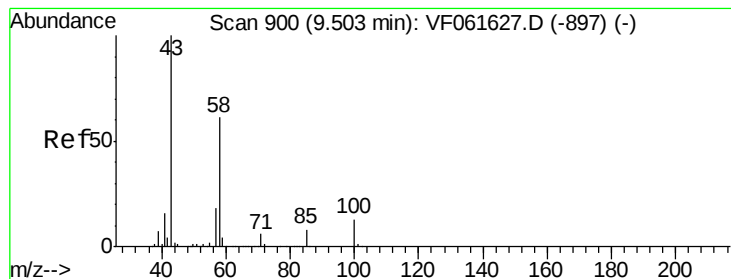
Tgt Ion: 63 Resp: 102335

Ion Ratio Lower Upper

63 100

106 28.4 24.6 36.8





#59

2-Hexanone

Concen: 268.481 ug/l

RT: 9.50 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

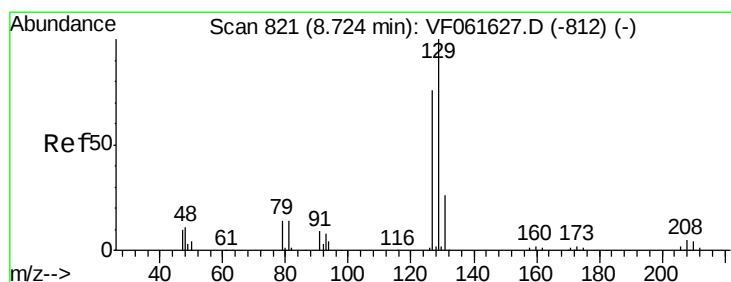
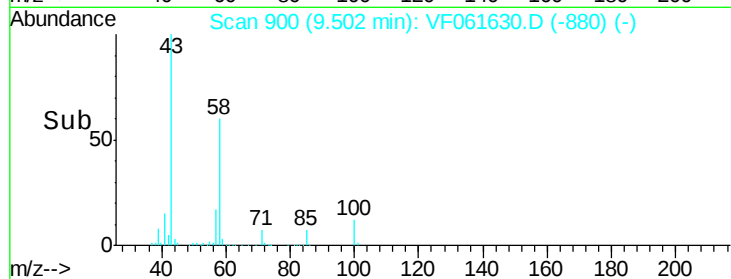
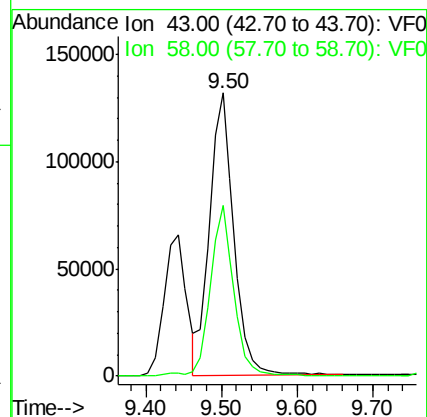
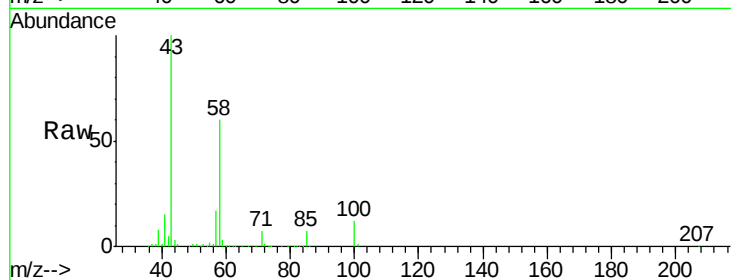
ICVVF021319

Tgt Ion: 43 Resp: 295020

Ion Ratio Lower Upper

43 100

58 60.3 28.5 85.5



#60

Dibromochloromethane

Concen: 56.181 ug/l

RT: 8.72 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF061630.D

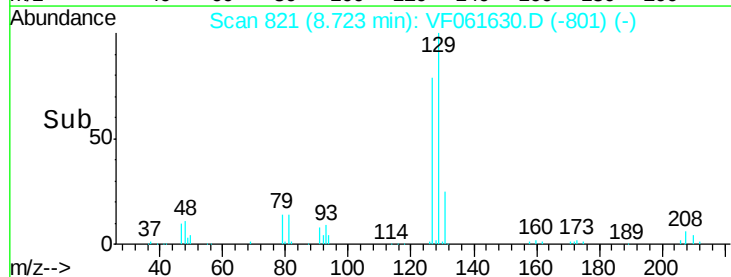
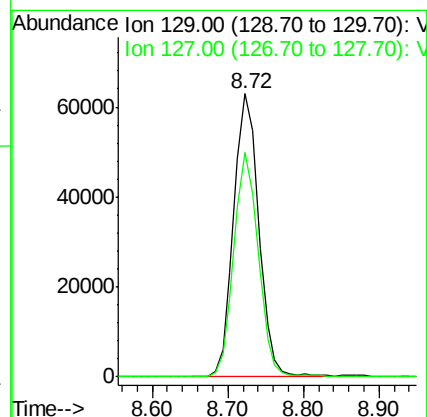
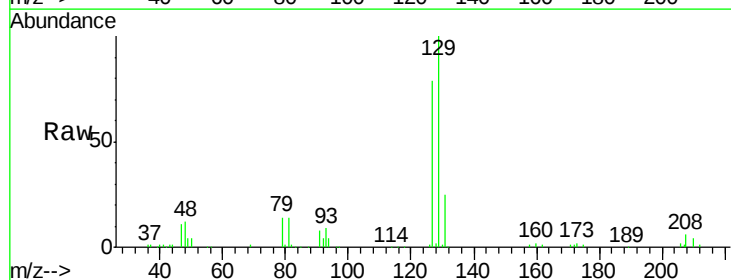
Acq: 13 Feb 2019 19:29

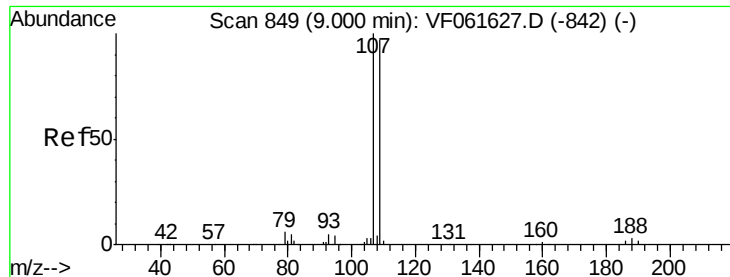
Tgt Ion: 129 Resp: 145436

Ion Ratio Lower Upper

129 100

127 79.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 54.777 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

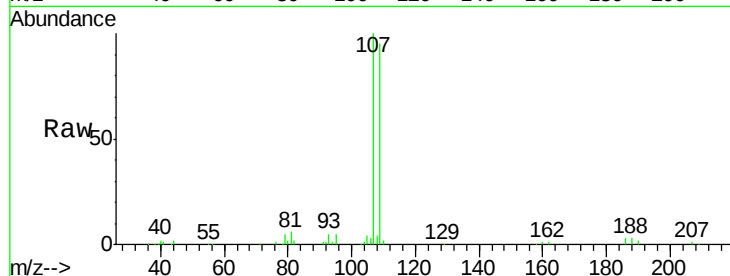
ICVVF021319

Tgt Ion:107 Resp: 110500

Ion Ratio Lower Upper

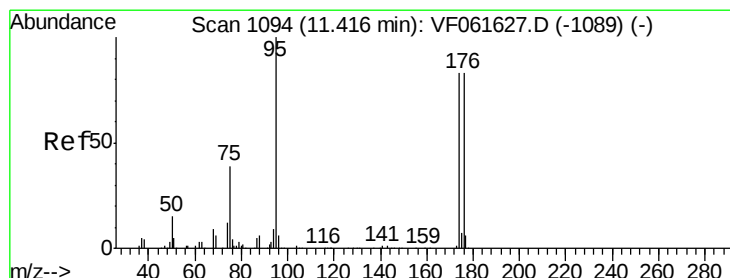
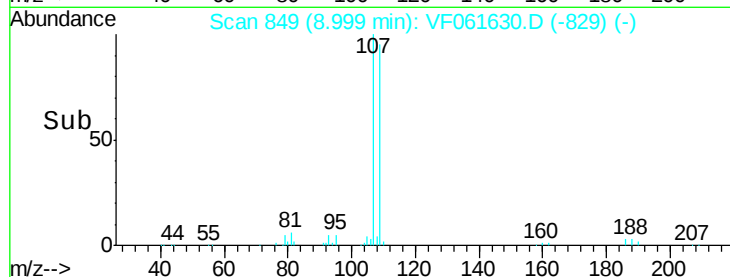
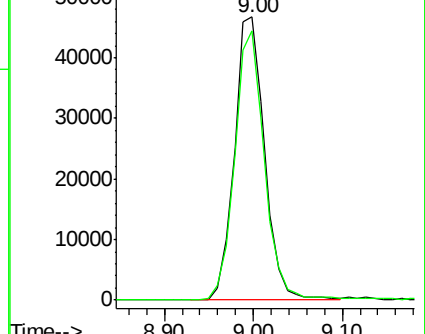
107 100

109 95.1 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.206 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

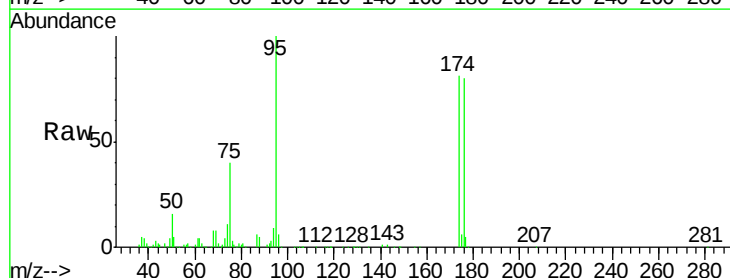
Tgt Ion: 95 Resp: 185126

Ion Ratio Lower Upper

95 100

174 81.2 0.0 165.8

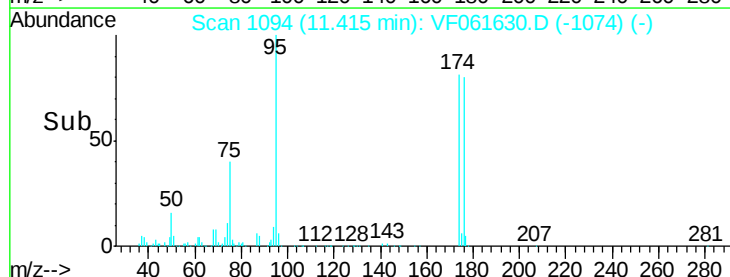
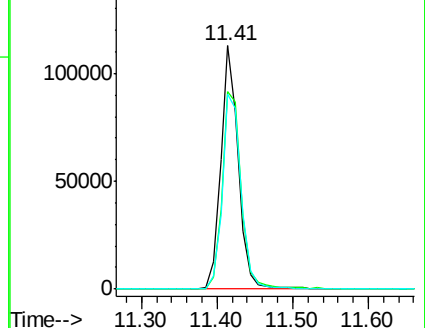
176 80.0 0.0 167.0

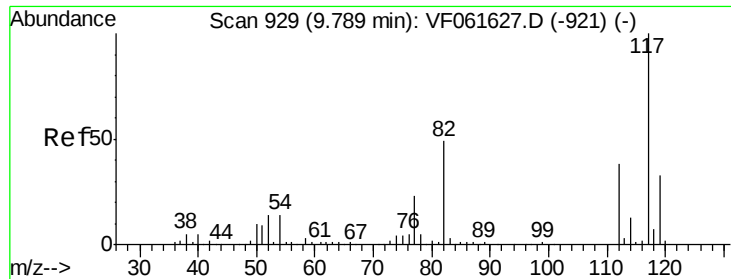


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

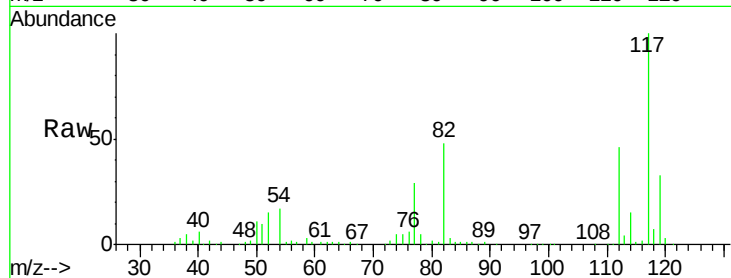




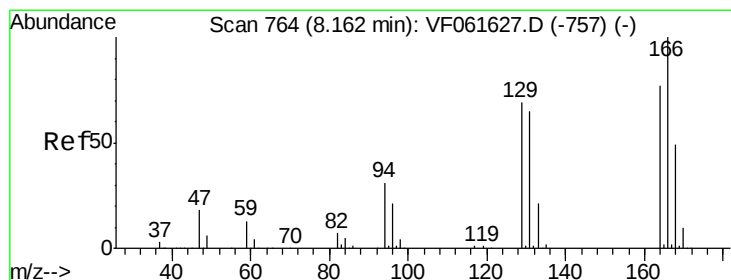
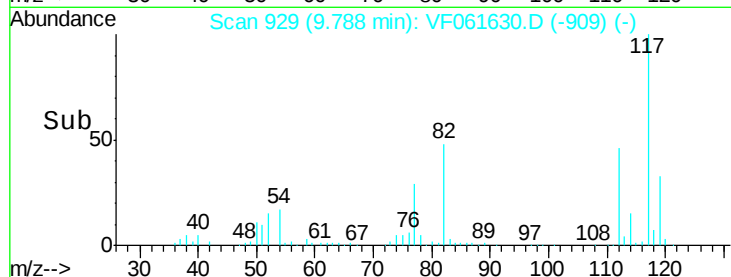
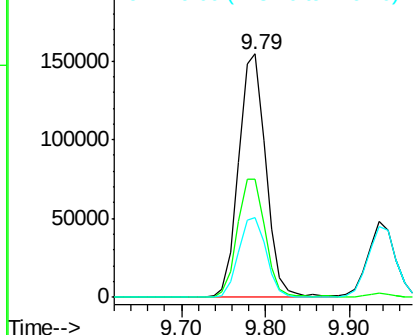
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tgt Ion:117 Resp: 349581
Ion Ratio Lower Upper
117 100
82 48.4 39.3 58.9
119 32.6 26.6 40.0

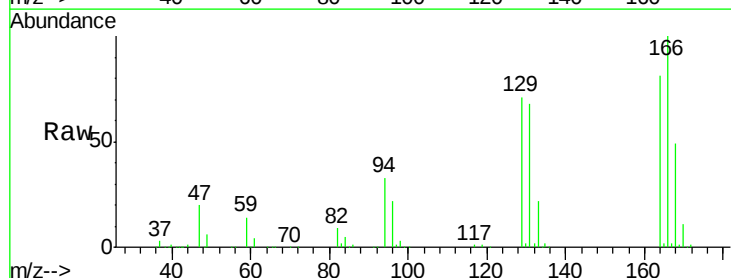


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

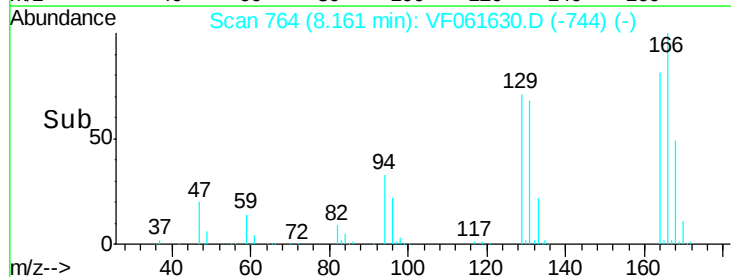
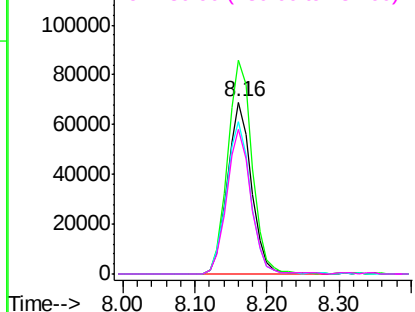


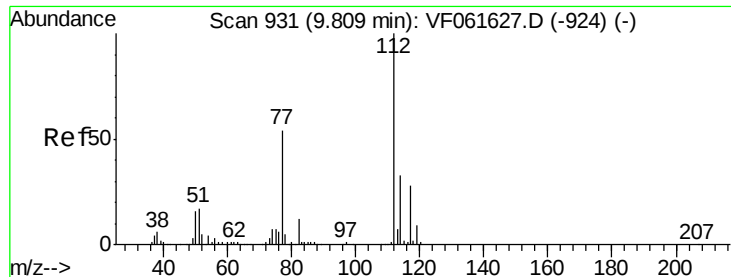
#64
Tetrachloroethene
Concen: 55.978 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion:164 Resp: 159954
Ion Ratio Lower Upper
164 100
166 124.1 103.9 155.9
129 88.4 71.3 106.9
131 83.9 67.1 100.7



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

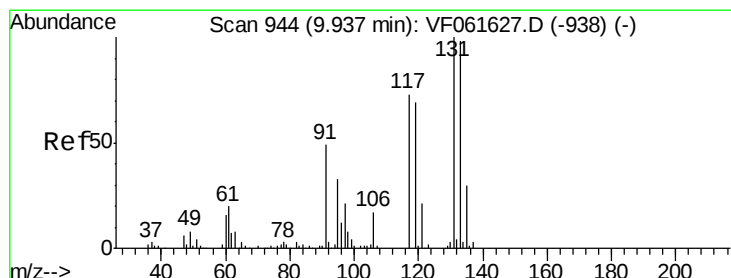
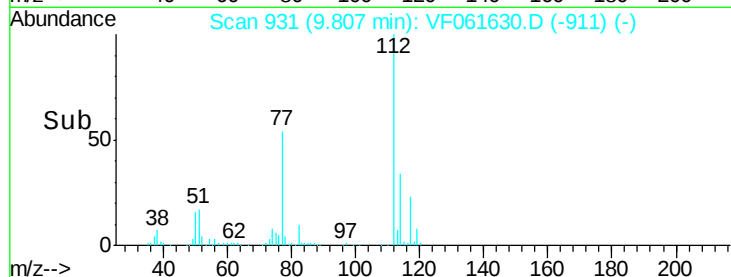
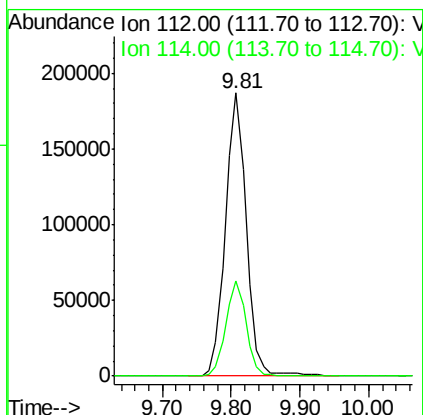
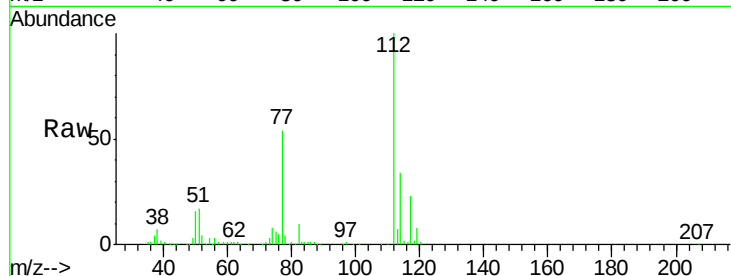




#65
Chlorobenzene
Concen: 55.524 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

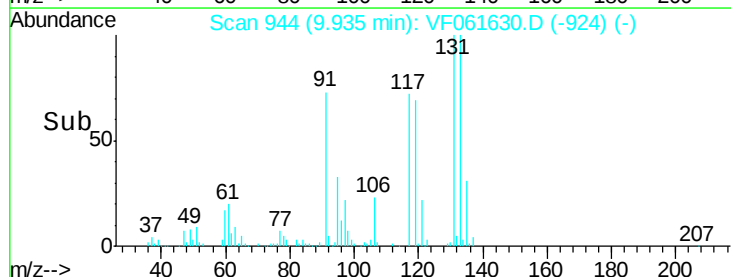
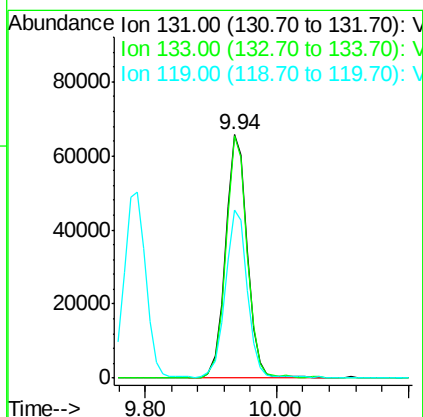
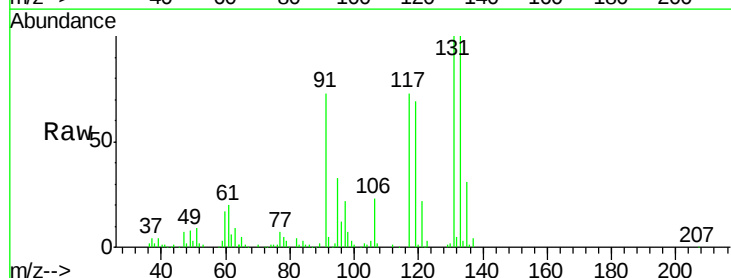
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

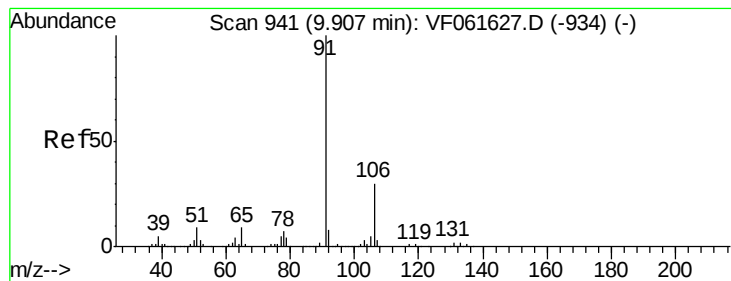
Tgt Ion:112 Resp: 393874
Ion Ratio Lower Upper
112 100
114 33.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.467 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion:131 Resp: 151403
Ion Ratio Lower Upper
131 100
133 99.8 48.9 146.6
119 68.9 34.8 104.3





#67

Ethyl Benzene

Concen: 53.818 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

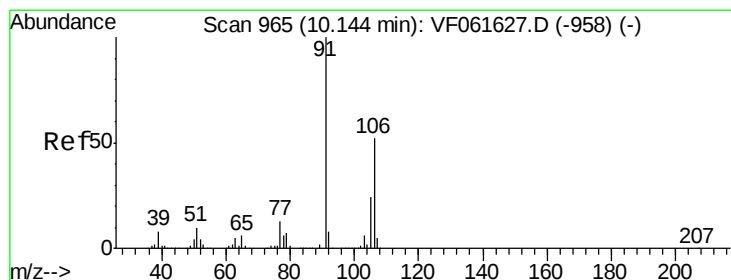
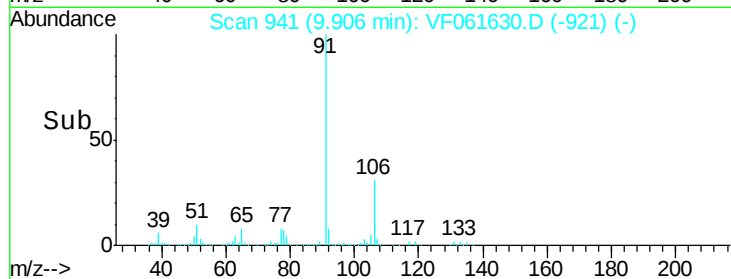
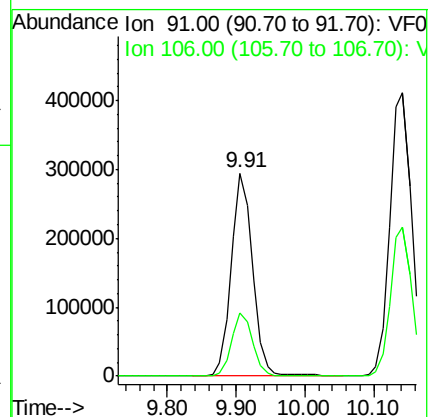
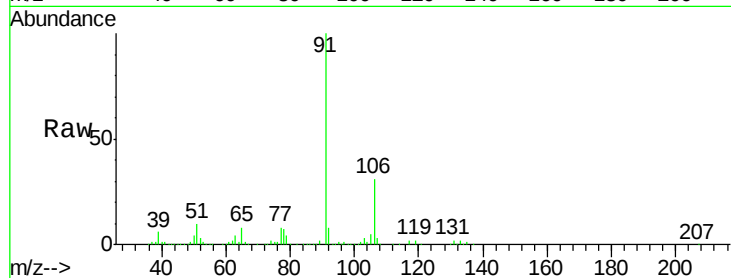
ICVVF021319

Tgt Ion: 91 Resp: 634890

Ion Ratio Lower Upper

91 100

106 31.0 24.1 36.1



#68

m/p-Xylenes

Concen: 104.609 ug/l

RT: 10.14 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF061630.D

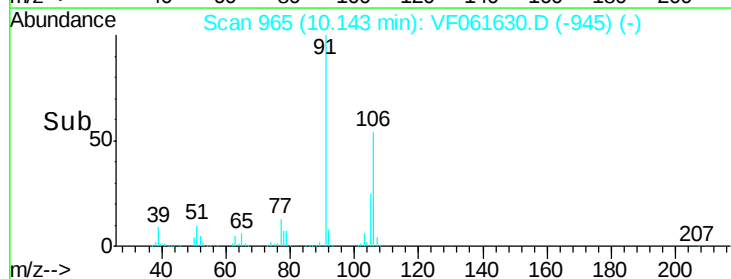
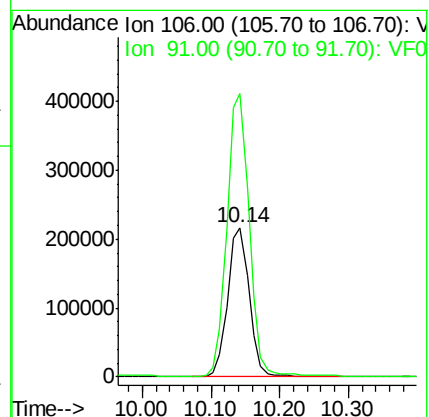
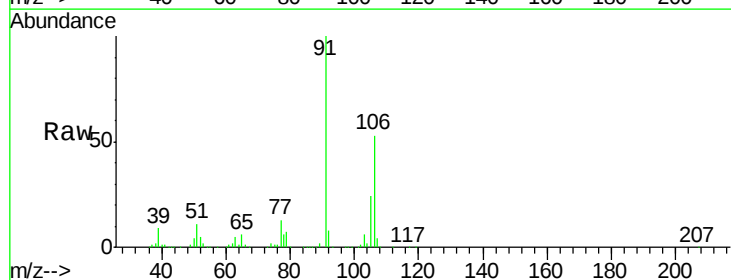
Acq: 13 Feb 2019 19:29

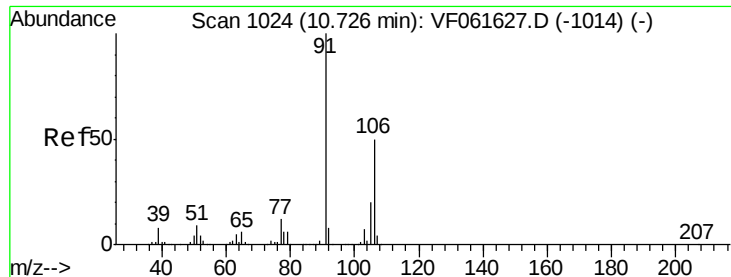
Tgt Ion: 106 Resp: 472293

Ion Ratio Lower Upper

106 100

91 189.7 153.0 229.6

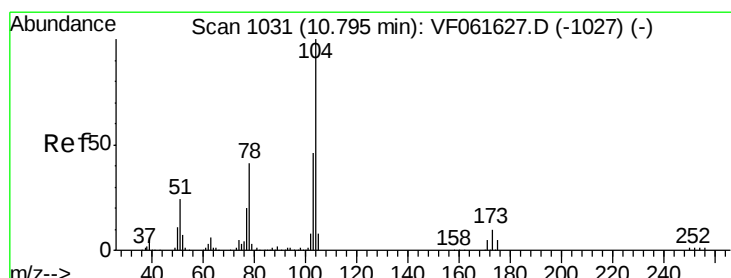
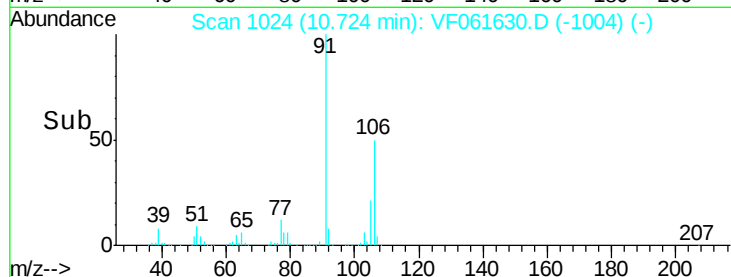
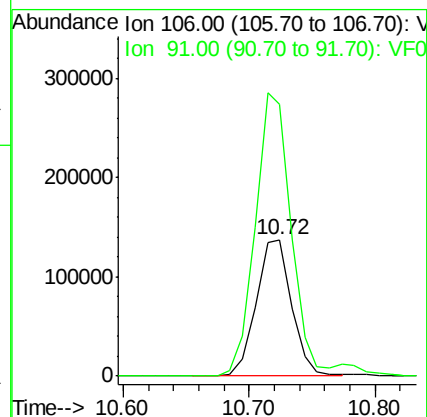
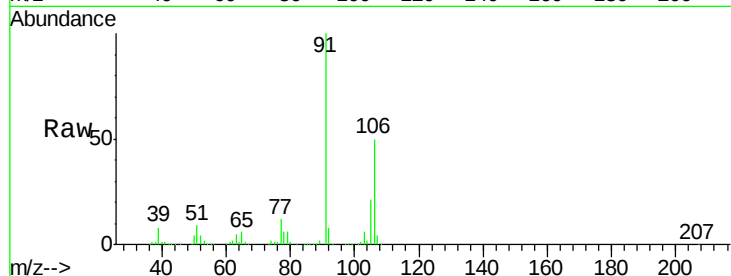




#69
o-Xylene
Concen: 55.638 ug/l
RT: 10.72 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

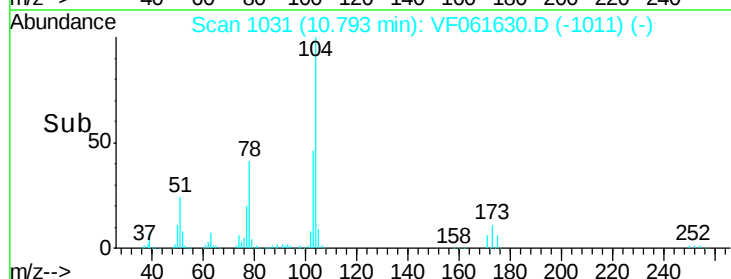
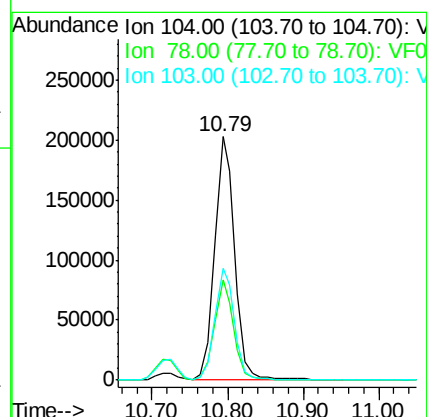
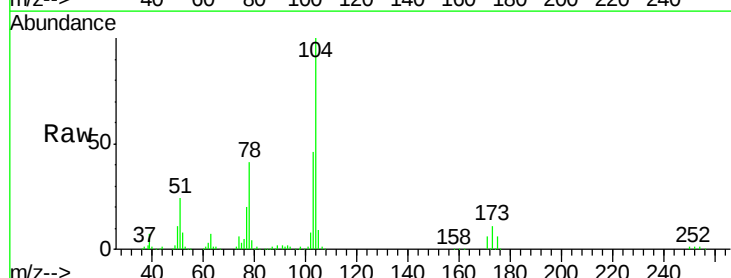
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

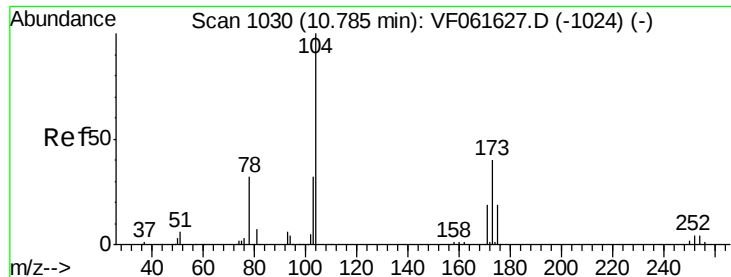
Tgt Ion:106 Resp: 268040
Ion Ratio Lower Upper
106 100
91 199.1 100.1 300.1



#70
Styrene
Concen: 55.299 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion:104 Resp: 376880
Ion Ratio Lower Upper
104 100
78 41.0 33.2 49.8
103 45.9 37.2 55.8





#71

Bromoform

Concen: 54.837 ug/l

RT: 10.78 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

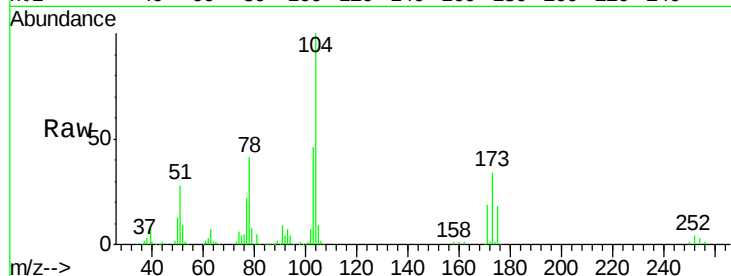
Tgt Ion:173 Resp: 82773

Ion Ratio Lower Upper

173 100

175 51.2 24.0 72.0

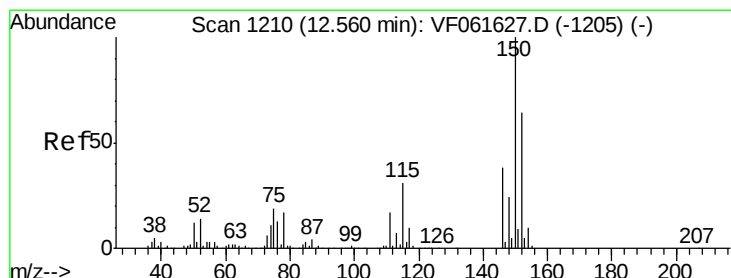
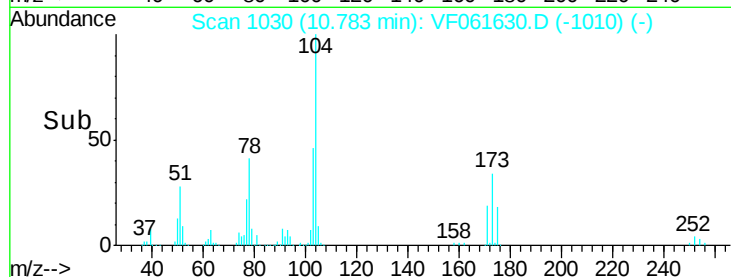
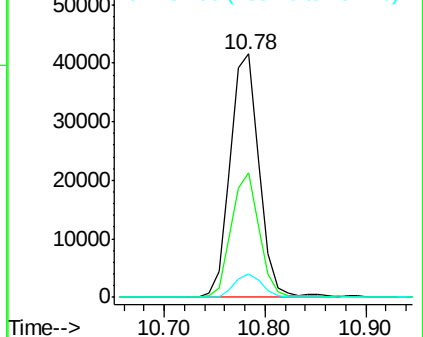
254 9.7 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

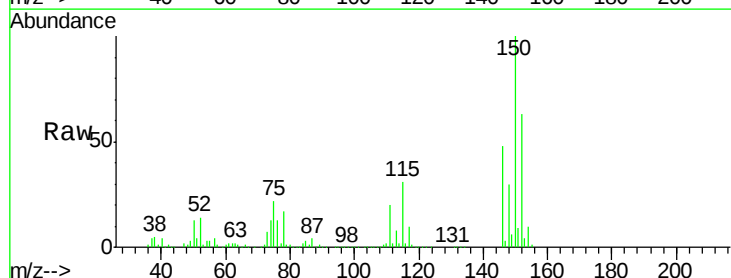
Tgt Ion:152 Resp: 196865

Ion Ratio Lower Upper

152 100

115 49.7 24.3 72.8

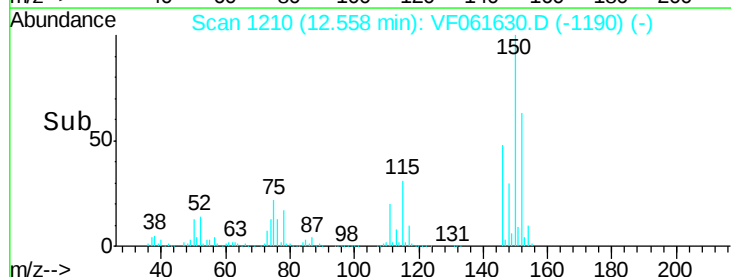
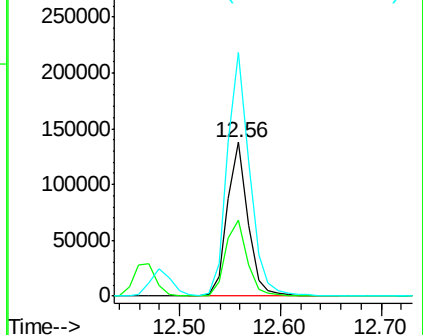
150 158.3 0.0 312.0

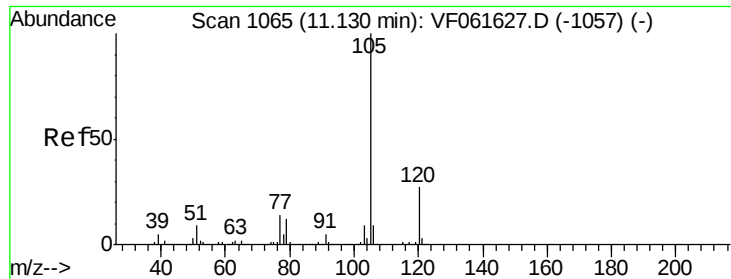


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 55.411 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

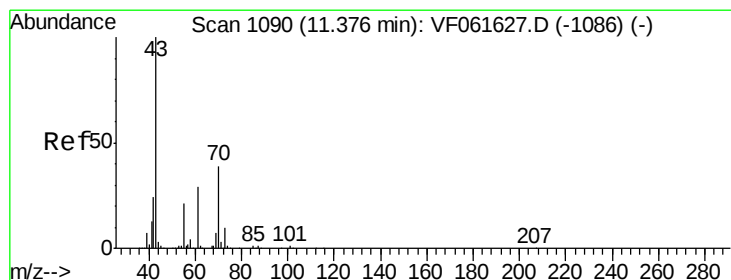
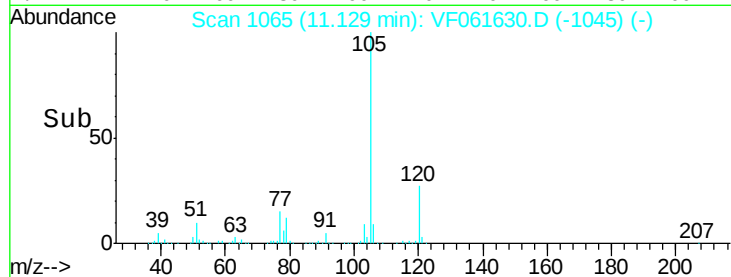
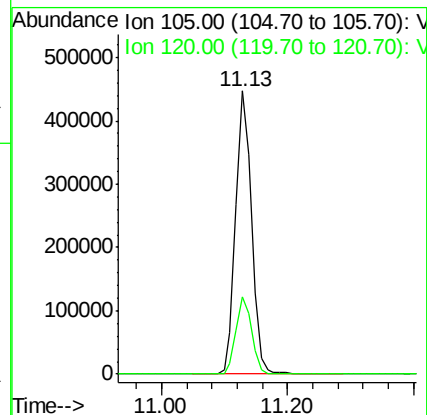
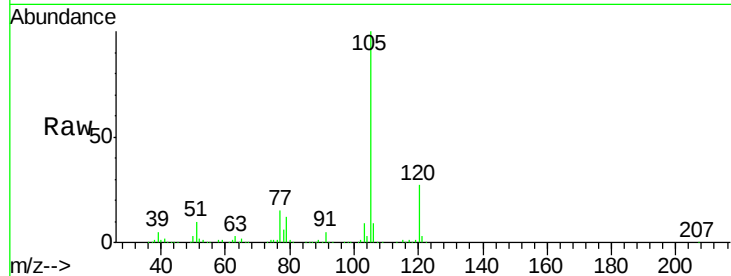
ICVVF021319

Tgt Ion:105 Resp: 776669

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#74

N-ethyl acetate

Concen: 55.442 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion: 43 Resp: 186523

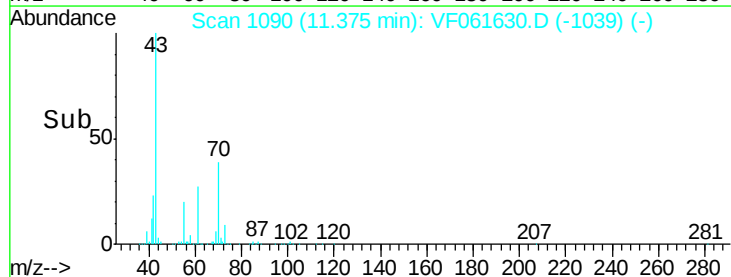
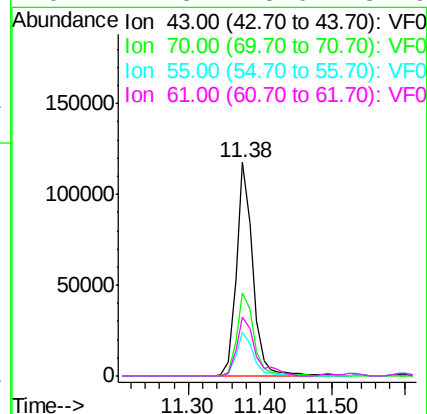
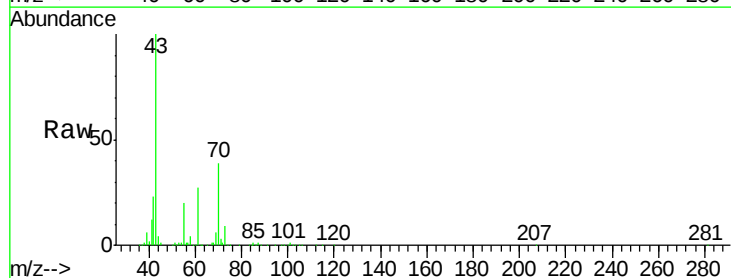
Ion Ratio Lower Upper

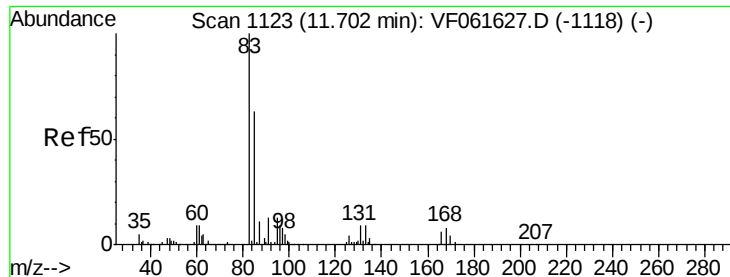
43 100

70 38.8 31.5 47.3

55 20.2 16.7 25.1

61 27.3 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.704 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

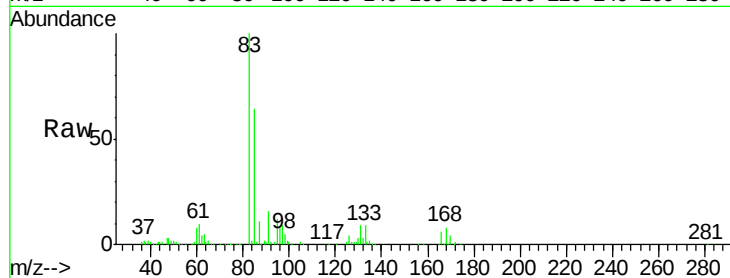
Tgt Ion: 83 Resp: 134856

Ion Ratio Lower Upper

83 100

131 9.2 4.4 13.2

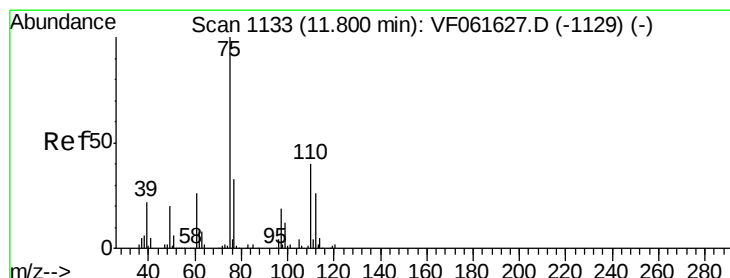
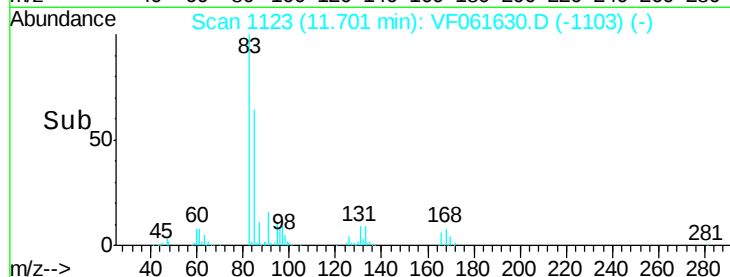
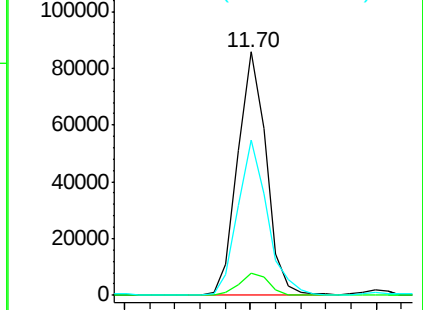
85 64.0 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.517 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061630.D

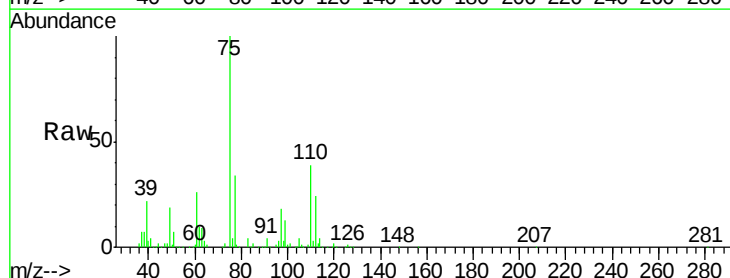
Acq: 13 Feb 2019 19:29

Tgt Ion: 75 Resp: 87952

Ion Ratio Lower Upper

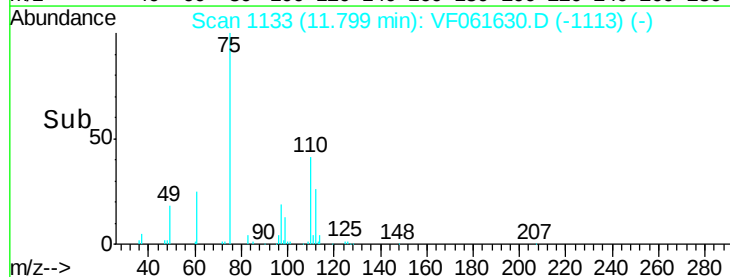
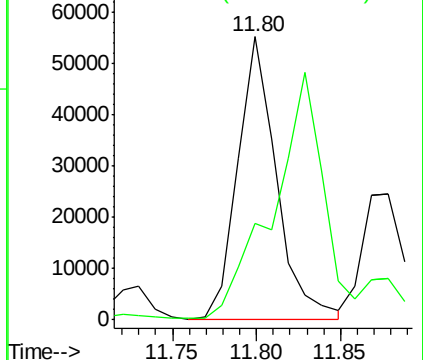
75 100

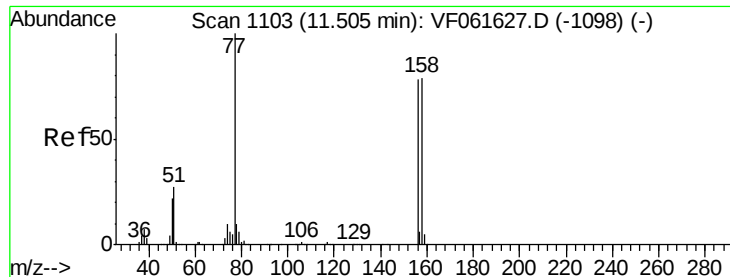
77 33.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.912 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

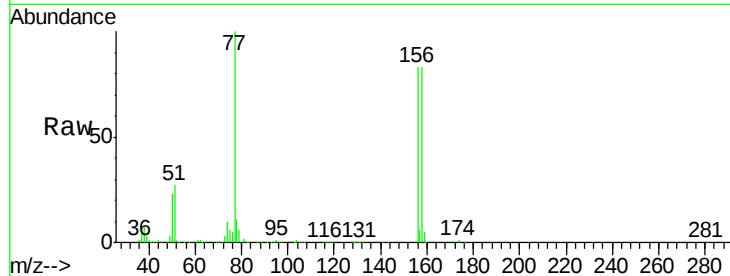
Tgt Ion:156 Resp: 190141

Ion Ratio Lower Upper

156 100

77 120.3 64.3 192.7

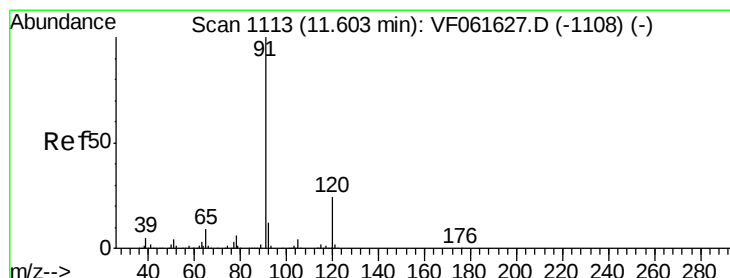
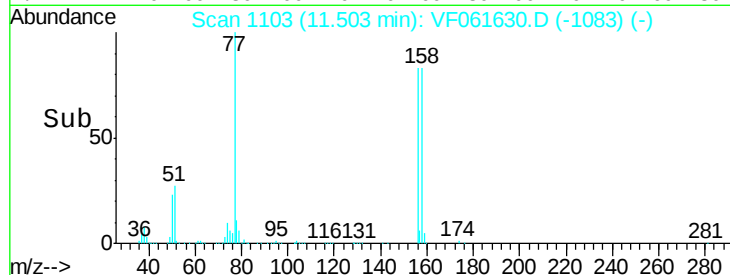
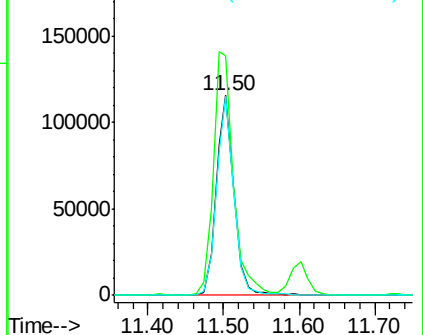
158 99.5 50.9 152.7



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: 53.085 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF061630.D

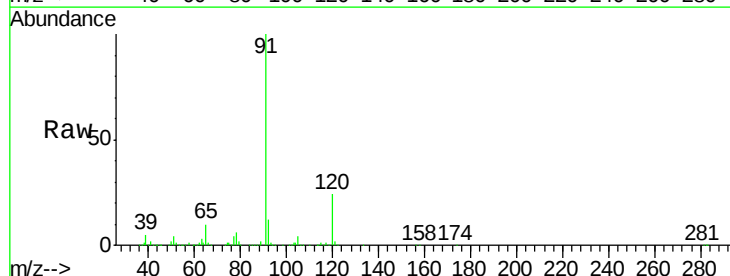
Acq: 13 Feb 2019 19:29

Tgt Ion: 91 Resp: 853830

Ion Ratio Lower Upper

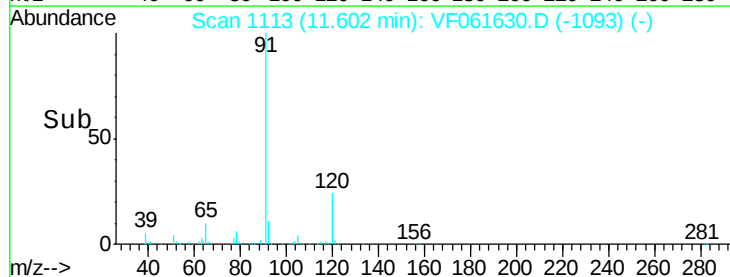
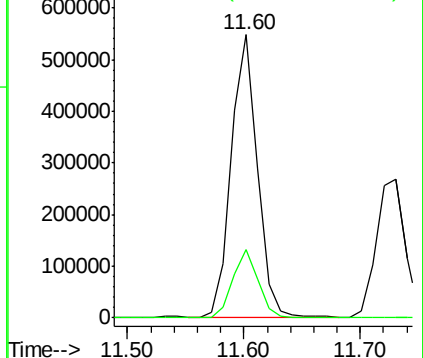
91 100

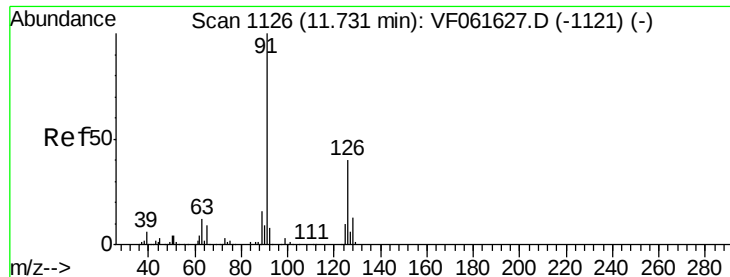
120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

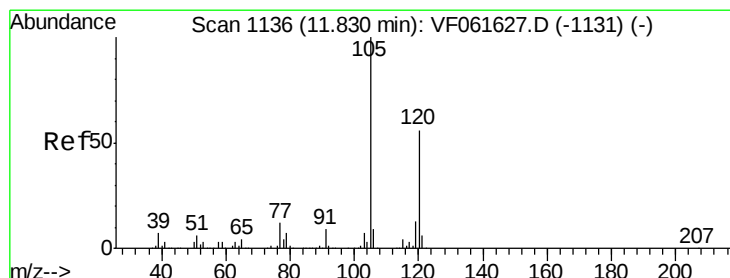
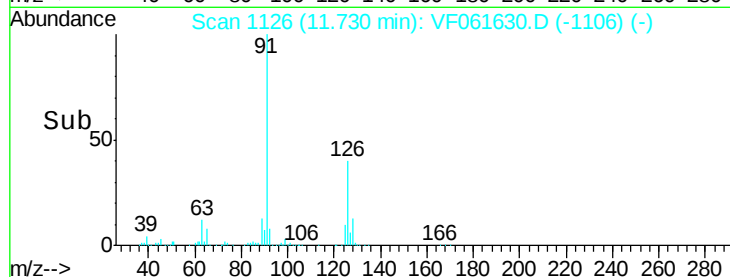
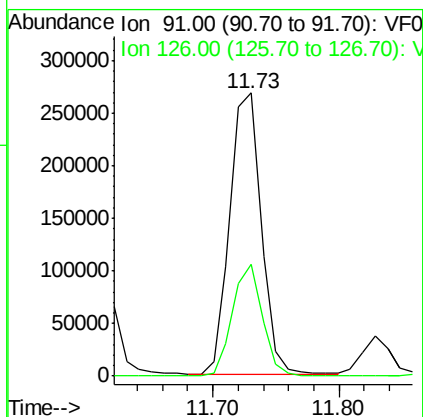
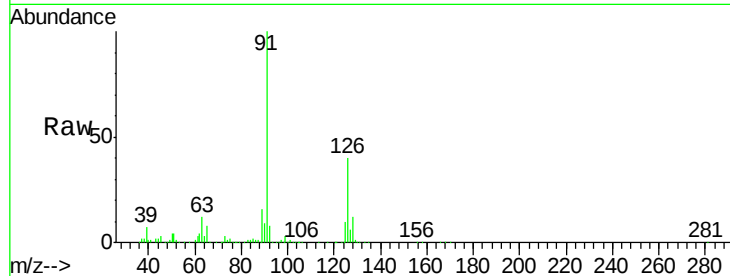




#79
 2-Chlorotoluene
 Concen: 51.069 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

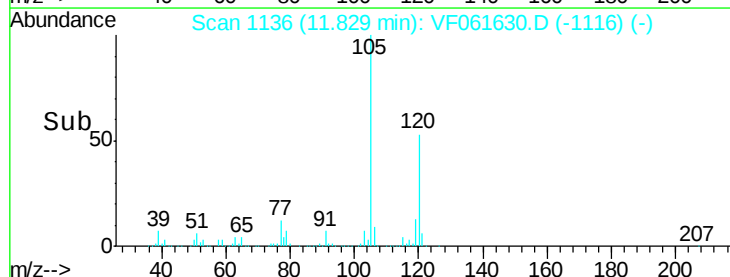
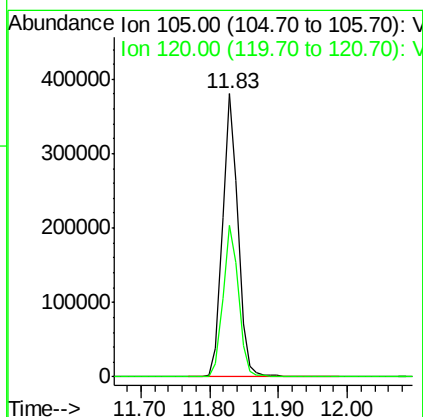
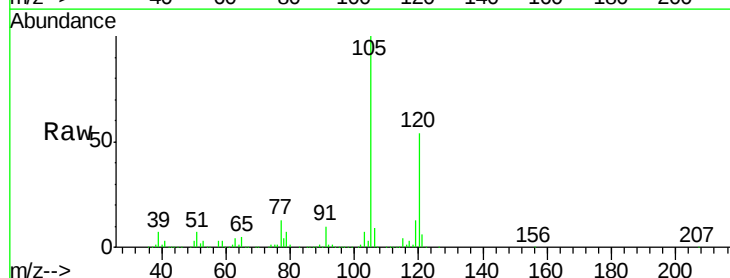
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

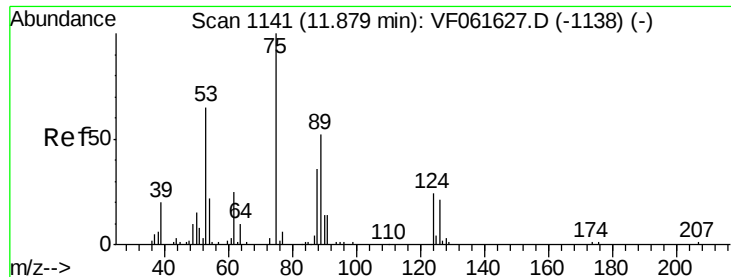
Tgt Ion: 91 Resp: 460026
 Ion Ratio Lower Upper
 91 100
 126 39.7 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 52.902 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion: 105 Resp: 592630
 Ion Ratio Lower Upper
 105 100
 120 53.6 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 66.698 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

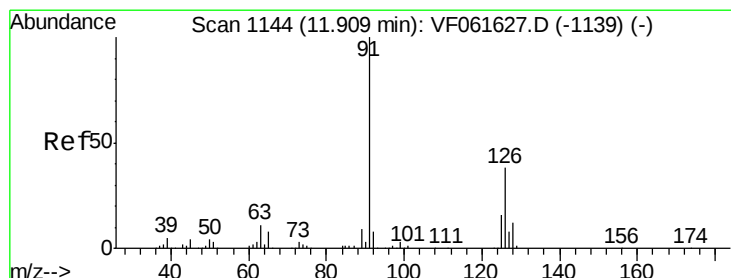
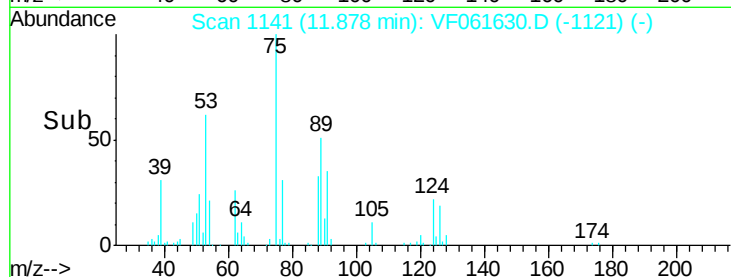
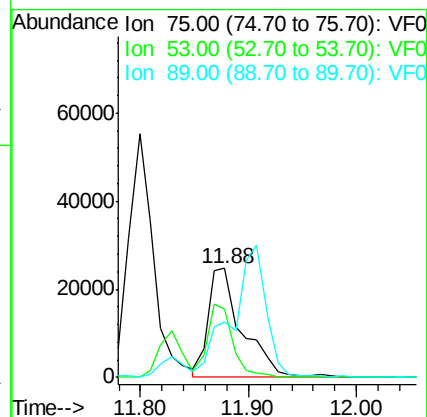
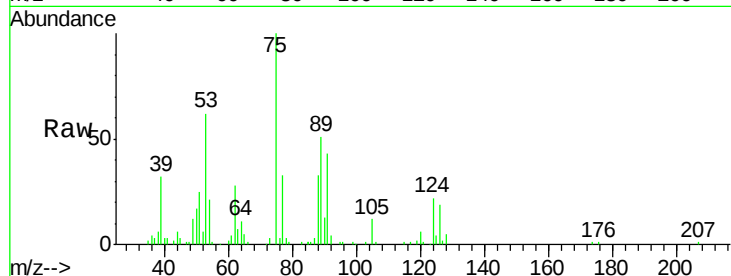
Tgt Ion: 75 Resp: 54591

Ion Ratio Lower Upper

75 100

53 62.4 53.7 80.5

89 50.9 41.6 62.4



#82

4-Chlorotoluene

Concen: 51.352 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF061630.D

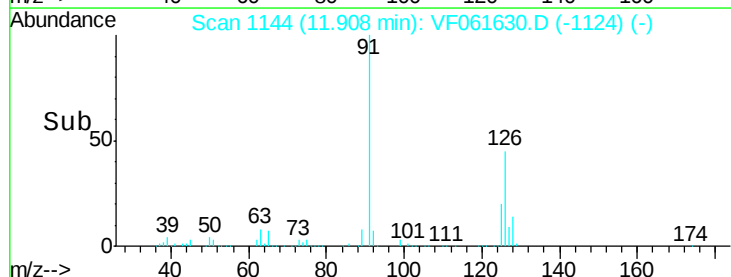
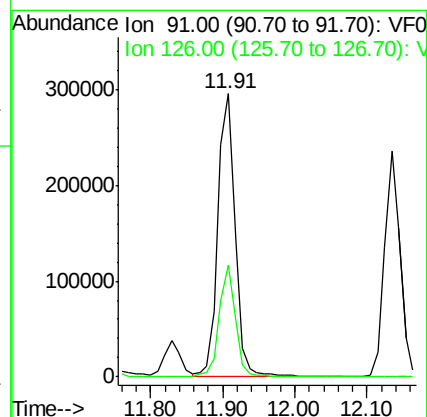
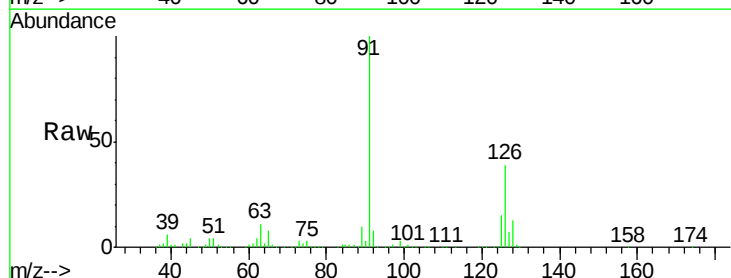
Acq: 13 Feb 2019 19:29

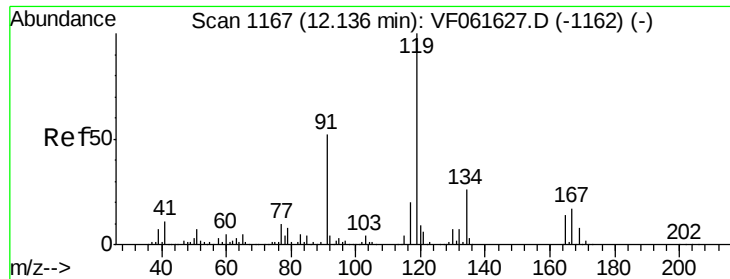
Tgt Ion: 91 Resp: 480132

Ion Ratio Lower Upper

91 100

126 39.3 19.1 57.1

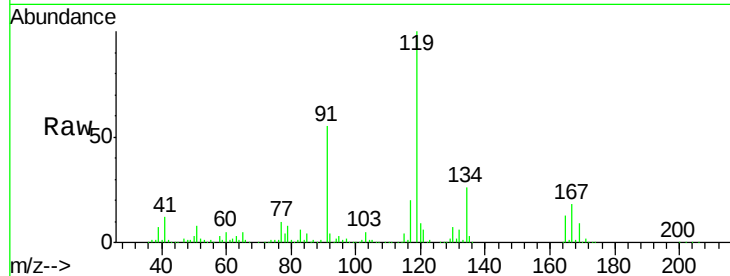




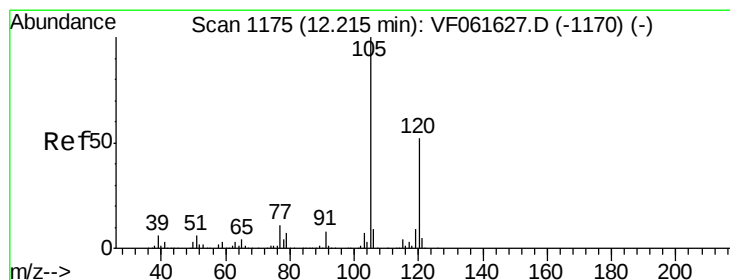
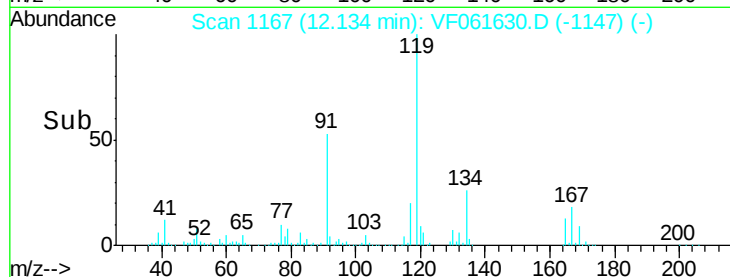
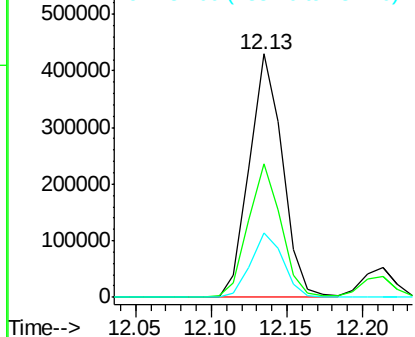
#83
 tert-Butylbenzene
 Concen: 53.318 ug/l
 RT: 12.13 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

Tgt Ion:119 Resp: 661572
 Ion Ratio Lower Upper
 119 100
 91 54.7 26.3 78.8
 134 26.2 12.9 38.7

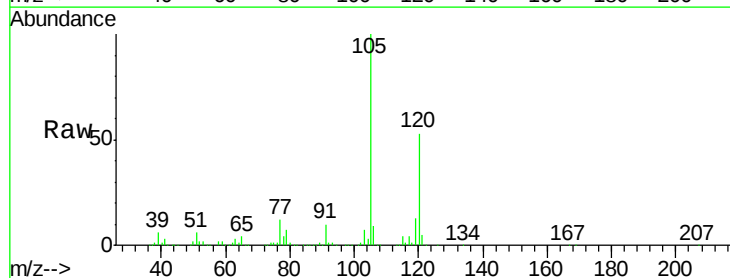


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

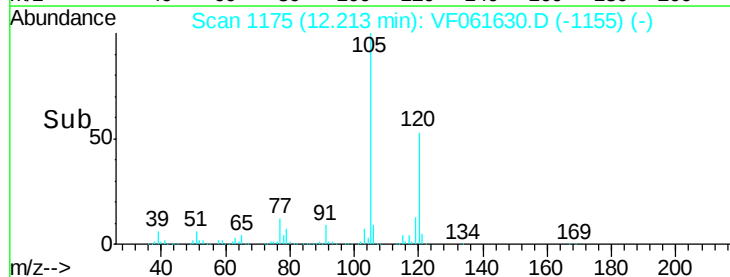
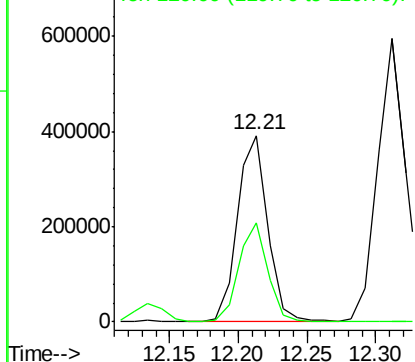


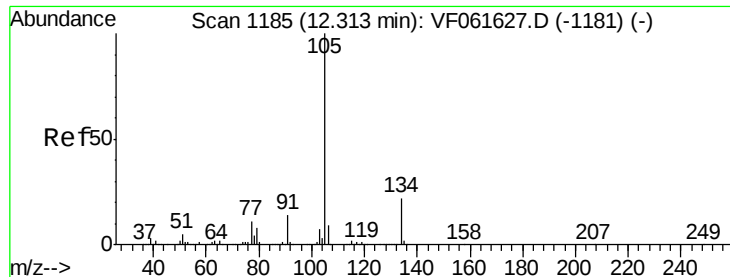
#84
 1,2,4-Trimethylbenzene
 Concen: 53.621 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion:105 Resp: 596774
 Ion Ratio Lower Upper
 105 100
 120 52.8 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

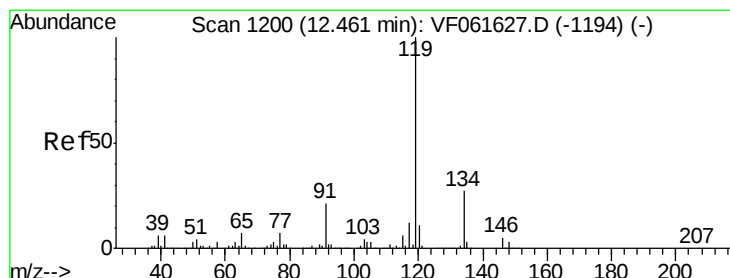
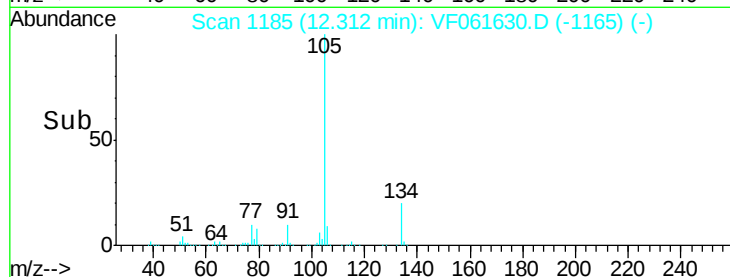
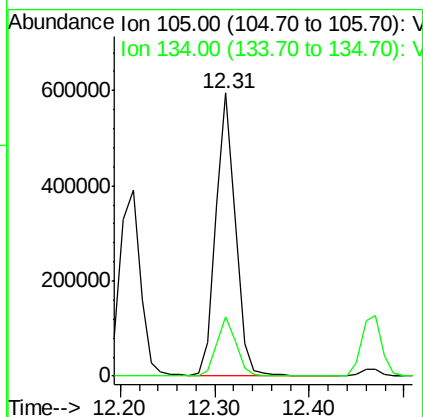
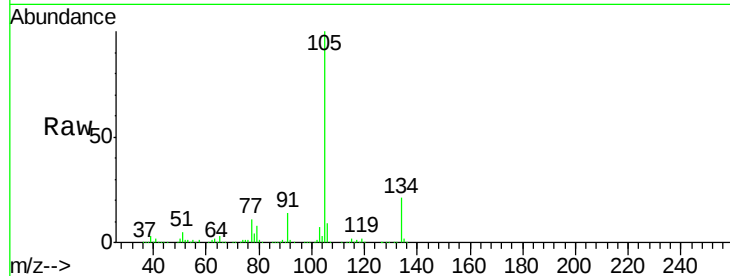




#85
 sec-Butylbenzene
 Concen: 52.894 ug/l
 RT: 12.31 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

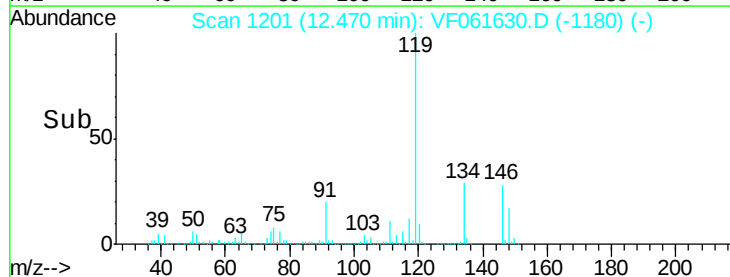
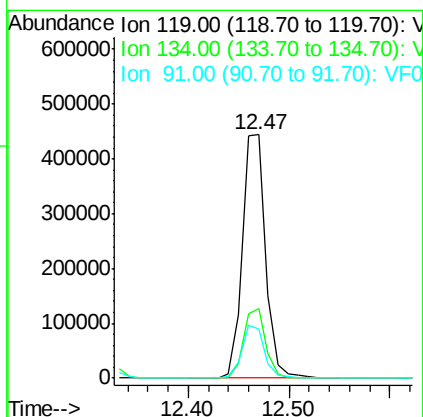
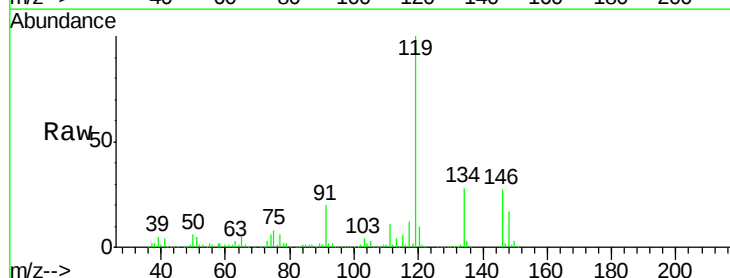
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

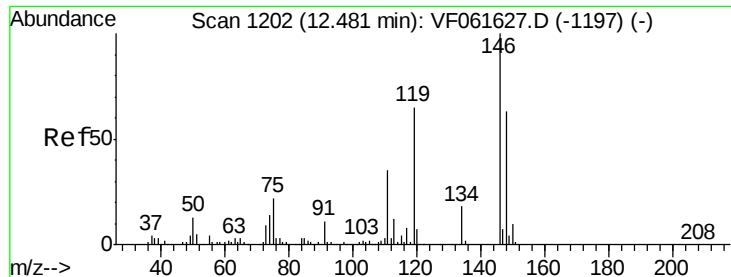
Tgt Ion:105 Resp: 848709
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 52.730 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion:119 Resp: 710063
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.7 41.1
 91 19.9 10.8 32.4

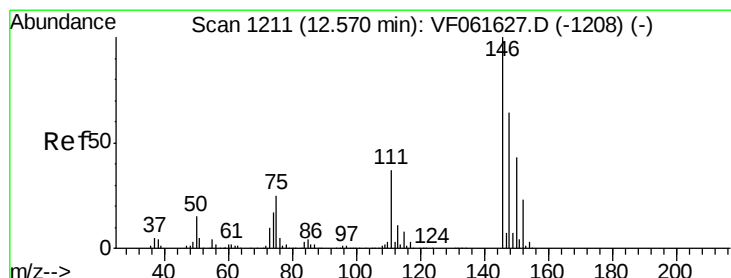
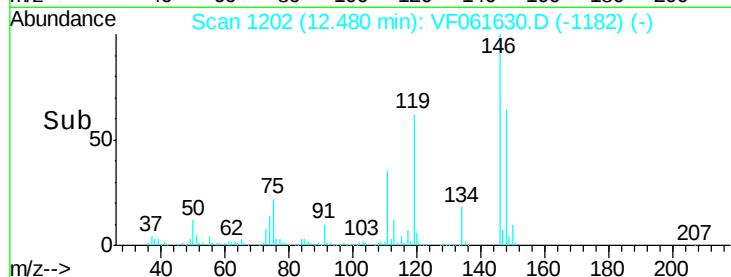
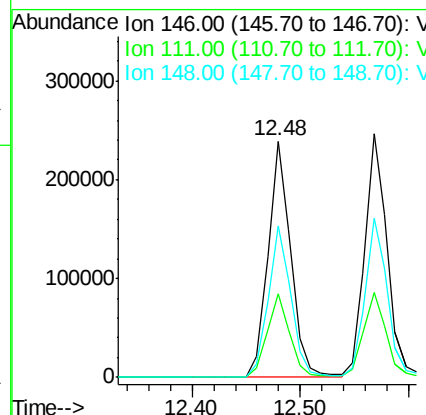
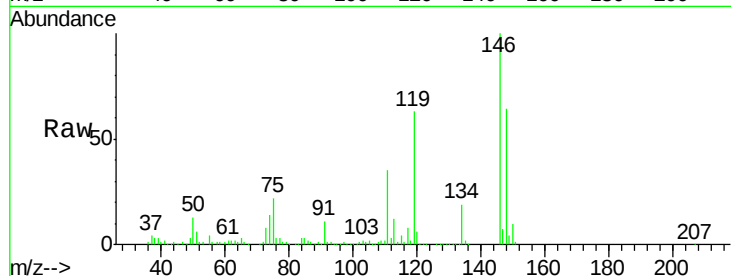




#87
 1,3-Dichlorobenzene
 Concen: 51.920 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

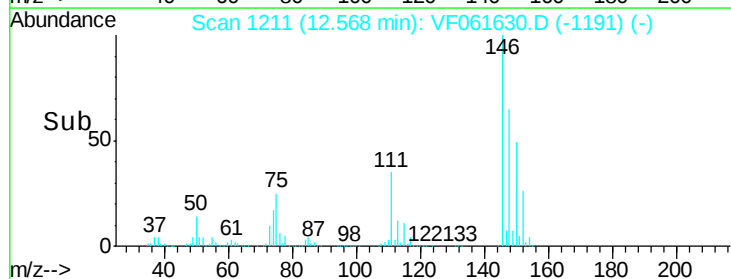
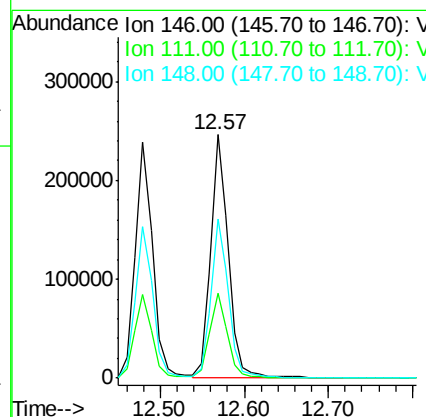
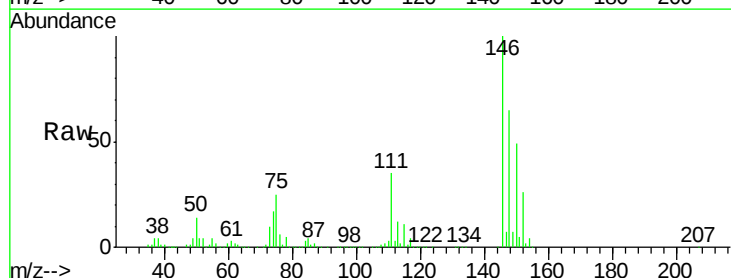
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

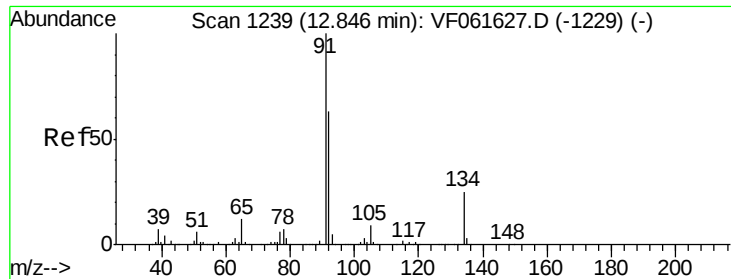
Tgt Ion:146 Resp: 350488
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.5 52.6
 148 63.8 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 54.879 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion:146 Resp: 356282
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.4 55.4
 148 65.2 32.2 96.6

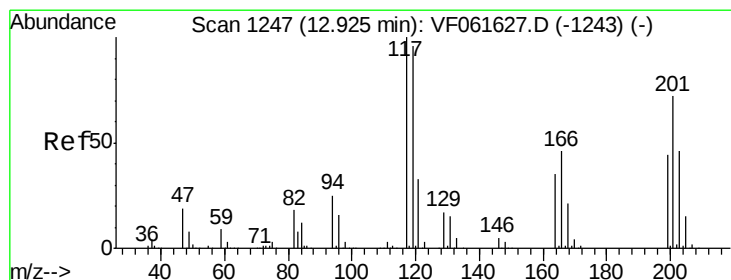
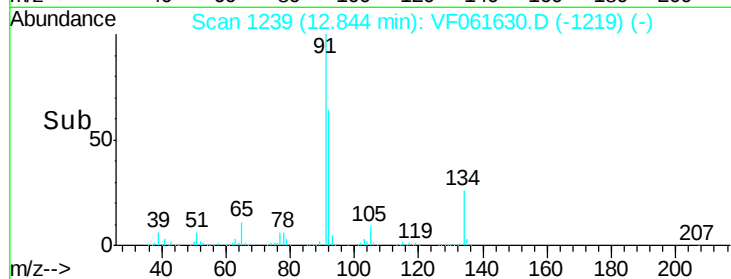
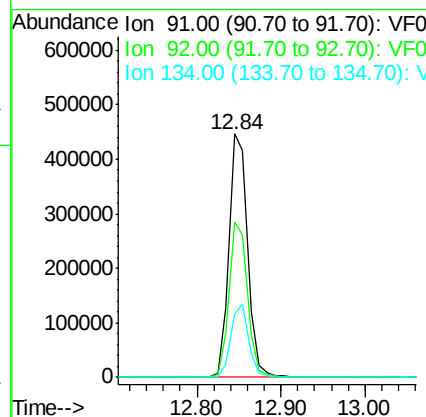
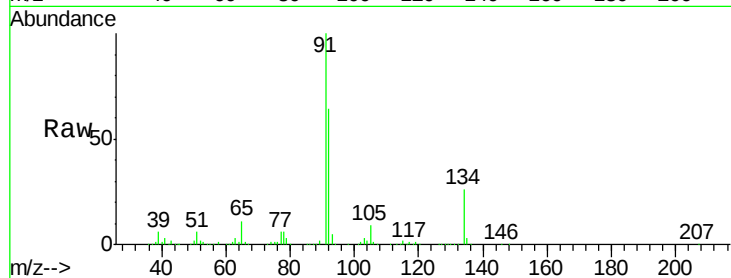




#89
n-Butylbenzene
Concen: 53.836 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

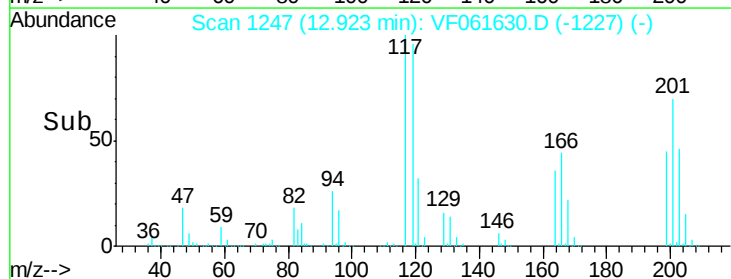
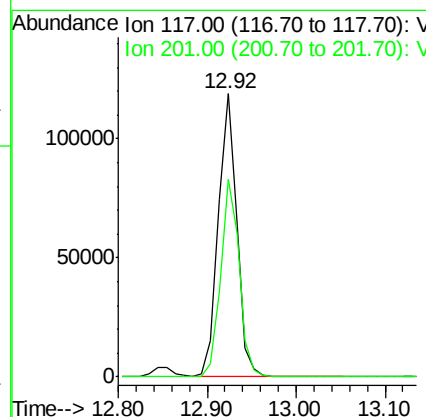
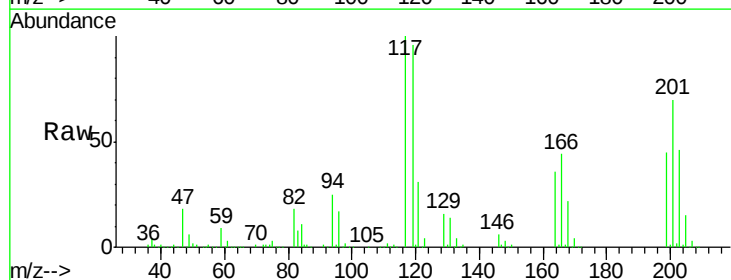
Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

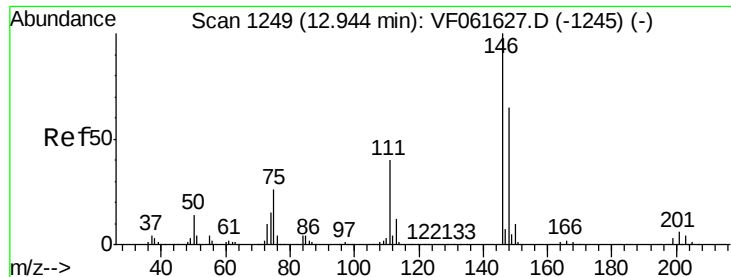
Tgt Ion: 91 Resp: 684568
Ion Ratio Lower Upper
91 100
92 63.5 31.4 94.3
134 26.1 12.3 36.9



#90
Hexachloroethane
Concen: 55.094 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 117 Resp: 172544
Ion Ratio Lower Upper
117 100
201 69.8 36.2 108.6

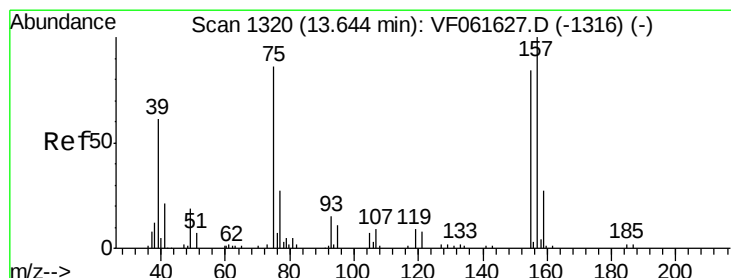
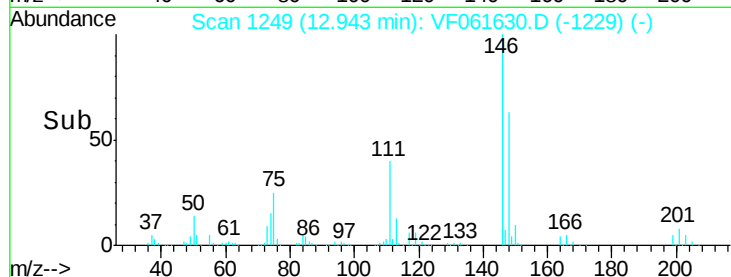
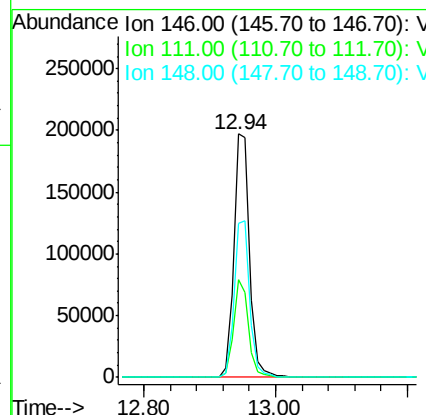
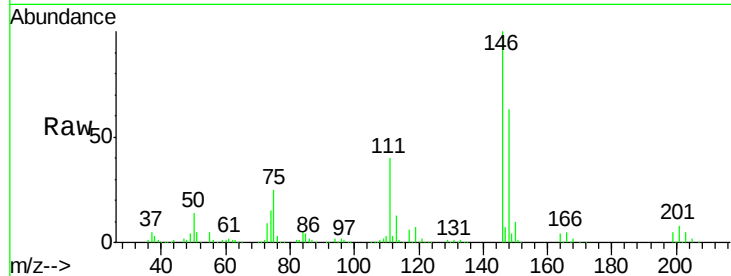




#91
 1,2-Dichlorobenzene
 Concen: 50.908 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

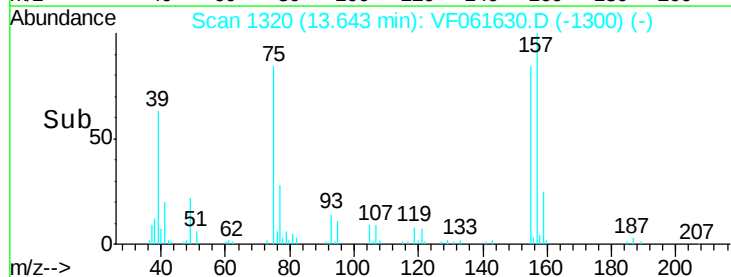
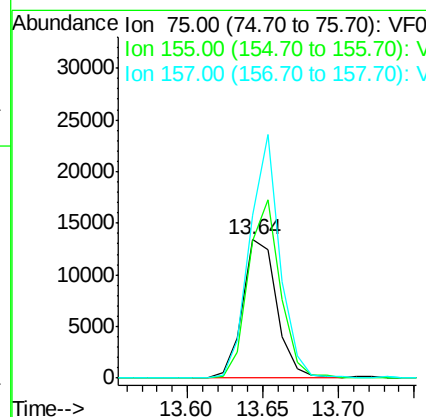
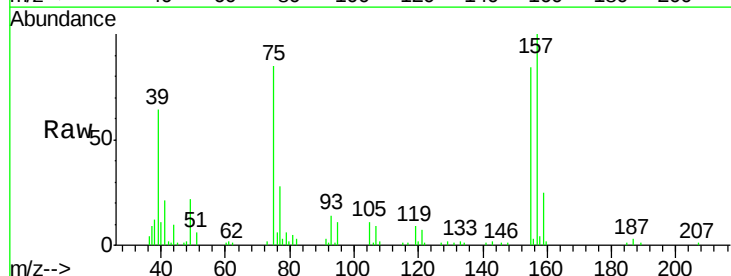
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

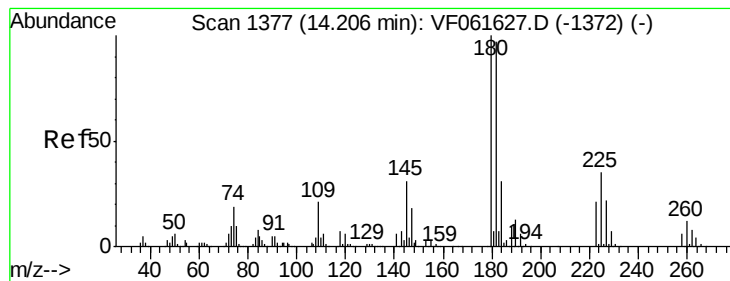
Tgt Ion: 146 Resp: 326870
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.2 60.5
 148 63.2 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.943 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion: 75 Resp: 21078
 Ion Ratio Lower Upper
 75 100
 155 99.2 48.9 146.8
 157 117.4 58.3 174.8





#93

1,2,4-Trichlorobenzene

Concen: 51.747 ug/l

RT: 14.21 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

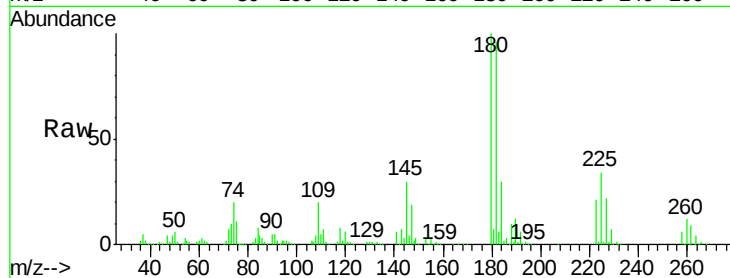
Tgt Ion:180 Resp: 238154

Ion Ratio Lower Upper

180 100

182 95.9 48.6 145.9

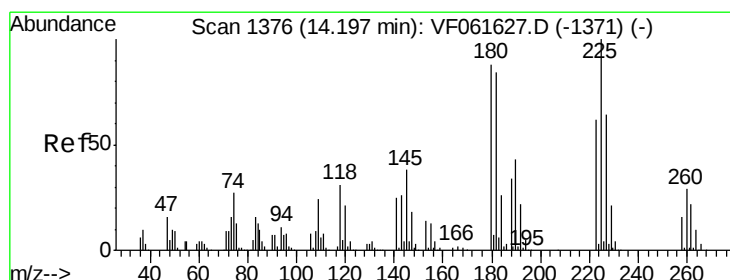
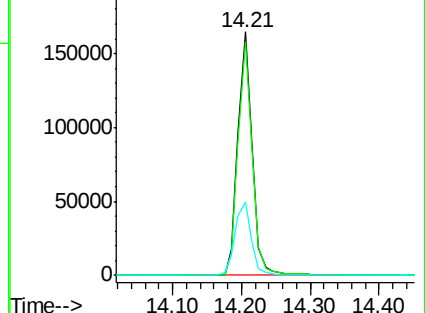
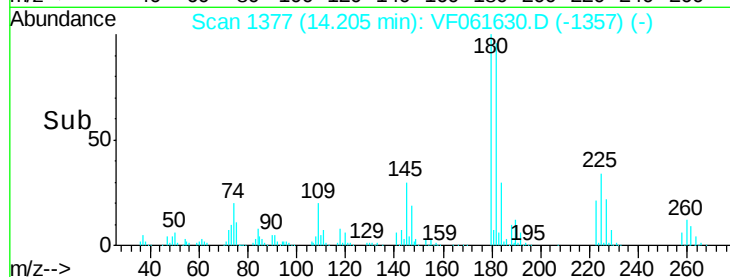
145 29.9 15.3 45.9



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



#94

Hexachlorobutadiene

Concen: 53.326 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

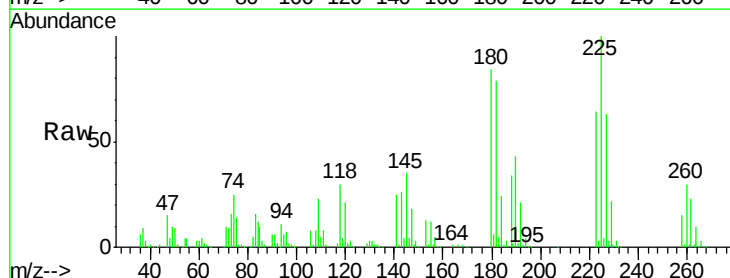
Tgt Ion:225 Resp: 151573

Ion Ratio Lower Upper

225 100

223 63.8 30.9 92.7

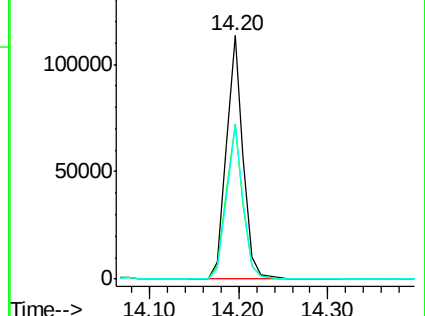
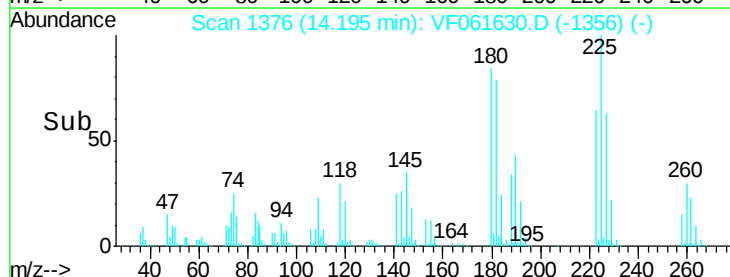
227 63.5 32.1 96.3

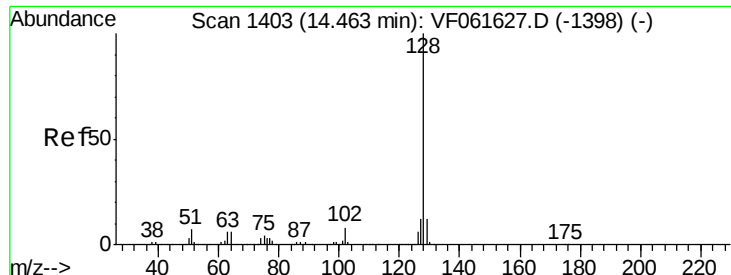


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

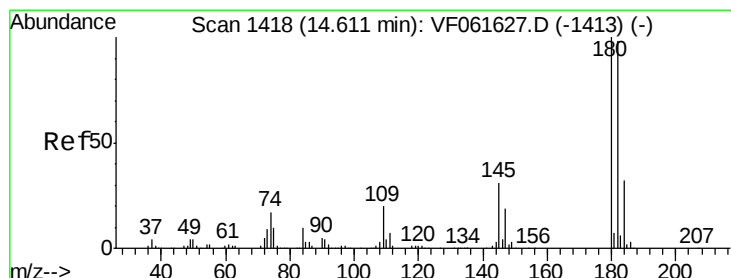
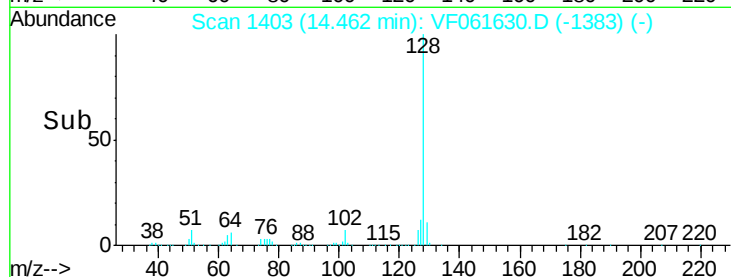
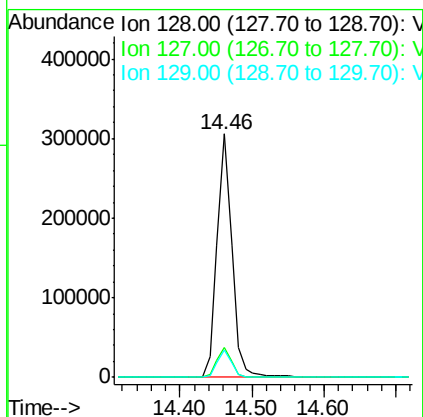
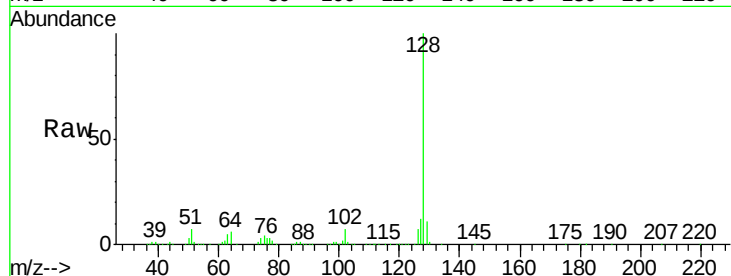




#95
Naphthalene
Concen: 54.056 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tgt Ion:128 Resp: 435277
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 11.0 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 53.643 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion:180 Resp: 226600
Ion Ratio Lower Upper
180 100
182 97.3 49.0 147.2
145 30.7 15.4 46.1

