

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061406.D
 Acq On : 15 Jan 2019 14:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 16 03:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	190888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	332153	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	299345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	164161	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	46402	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	
35) Dibromofluoromethane	4.10	113	52629	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
50) Toluene-d8	7.54	98	141640	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
62) 4-Bromofluorobenzene	11.41	95	65064	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	69917	18.482	ug/l	89
3) Chloromethane	1.10	50	51240	17.867	ug/l	100
4) Vinyl Chloride	1.13	62	46567	18.434	ug/l	98
5) Bromomethane	1.32	94	29544	17.080	ug/l	82
6) Chloroethane	1.39	64	20081	17.596	ug/l	93
7) Trichlorofluoromethane	1.47	101	66379	13.197	ug/l	93
8) Diethyl Ether	1.62	74	11252	17.842	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43306	18.427	ug/l	93
10) Methyl Iodide	1.90	142	46286	12.711	ug/l	98
11) Tert butyl alcohol	2.57	59	10156	100.282	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	31787	18.206	ug/l	97
13) Acrolein	2.00	56	5347	56.760	ug/l	86
14) Allyl chloride	2.10	41	56851	18.102	ug/l	99
15) Acrylonitrile	2.93	53	25784	97.667	ug/l	95
16) Acetone	2.23	43	48015	95.495	ug/l	97
17) Carbon Disulfide	1.80	76	94954	17.435	ug/l	96
18) Methyl Acetate	2.43	43	20261	17.079	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	70203	18.041	ug/l	96
20) Methylene Chloride	2.18	84	14399	7.281	ug/l	93
21) trans-1,2-Dichloroethene	2.30	96	36825	18.985	ug/l	95
22) Diisopropyl ether	2.80	45	116564	19.083	ug/l	98
23) Vinyl Acetate	3.18	43	237642	102.258	ug/l	99
24) 1,1-Dichloroethane	2.87	63	74907	19.258	ug/l	98
25) 2-Butanone	4.33	43	85574	106.854	ug/l	94
26) 2,2-Dichloropropane	3.60	77	46621	18.606	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	54734	19.533	ug/l	95
28) Bromochloromethane	3.71	49	35336	19.515	ug/l #	99
29) Tetrahydrofuran	4.07	42	34395	97.617	ug/l	99
30) Chloroform	3.85	83	103932	19.799	ug/l	97
31) Cyclohexane	3.67	56	73969	18.636	ug/l	88
32) 1,1,1-Trichloroethane	4.09	97	79400	19.891	ug/l	98
36) 1,1-Dichloropropene	4.28	75	78834	20.014	ug/l	97
37) Ethyl Acetate	4.11	43	32514	20.330	ug/l #	80
38) Carbon Tetrachloride	3.98	117	65114	15.259	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	85373	19.632	ug/l	98
40) Benzene	4.62	78	166024	18.587	ug/l	98
41) Methacrylonitrile	4.74	41	16347	19.405	ug/l #	90
42) 1,2-Dichloroethane	4.94	62	62577	20.213	ug/l	99
43) Isopropyl Acetate	6.95	43	38376	20.068	ug/l #	94
44) Trichloroethene	5.49	130	52374	19.086	ug/l	89
45) 1,2-Dichloropropane	6.23	63	46056	20.114	ug/l	95
46) Dibromomethane	6.07	93	28851	19.219	ug/l #	86
47) Bromodichloromethane	6.38	83	73496	20.009	ug/l	98
48) Methyl methacrylate	6.70	41	25340	19.627	ug/l	97
49) 1,4-Dioxane	6.69	88	4239	439.589	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	146721	97.968	ug/l	96
52) Toluene	7.62	92	115428	19.460	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	59755	20.165	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	76034	20.400	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	34082	21.142	ug/l	98
56) Ethyl methacrylate	8.61	69	36237	19.615	ug/l	97
57) 1,3-Dichloropropane	8.84	76	59599	19.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	10470	83.773	ug/l	97
59) 2-Hexanone	9.48	43	106267	101.938	ug/l	93
60) Dibromochloromethane	8.71	129	48845	21.318	ug/l	92
61) 1,2-Dibromoethane	8.98	107	36218	19.636	ug/l	89
64) Tetrachloroethene	8.14	164	45166	19.807	ug/l	98
65) Chlorobenzene	9.79	112	128062	20.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	51356	20.681	ug/l	97
67) Ethyl Benzene	9.89	91	235724	20.069	ug/l	99
68) m/p-Xylenes	10.13	106	162950	38.454	ug/l	95
69) o-Xylene	10.71	106	89248	19.718	ug/l	100
70) Styrene	10.78	104	131412	20.918	ug/l	98
71) Bromoform	10.76	173	18103	16.916	ug/l #	95
73) Isopropylbenzene	11.12	105	284115	19.816	ug/l	97
74) N-amyl acetate	11.37	43	69719	21.172	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	50492	20.249	ug/l	91
76) 1,2,3-Trichloropropane	11.78	75	34843	19.439	ug/l	99
77) Bromobenzene	11.49	156	57014	19.482	ug/l	86
78) n-propylbenzene	11.59	91	335005	19.180	ug/l	98
79) 2-Chlorotoluene	11.71	91	186635	18.802	ug/l	93
80) 1,3,5-Trimethylbenzene	11.82	105	227478	19.876	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	20168	21.326	ug/l	91
82) 4-Chlorotoluene	11.89	91	189504	19.275	ug/l	99
83) tert-Butylbenzene	12.13	119	246082	20.678	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	229665	19.399	ug/l	95
85) sec-Butylbenzene	12.30	105	317670	19.627	ug/l	97
86) p-Isopropyltoluene	12.45	119	263912	19.586	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	113675	18.895	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	107161	19.444	ug/l	96
89) n-Butylbenzene	12.84	91	283169	20.333	ug/l	98
90) Hexachloroethane	12.91	117	61401	20.644	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	110528	19.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9049	21.408	ug/l	95

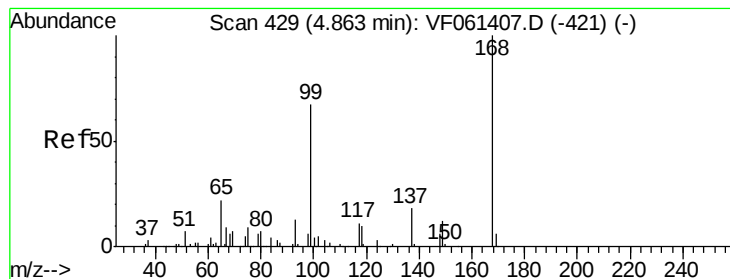
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	79887	20.418	ug/l	95
94) Hexachlorobutadiene	14.18	225	48466	20.457	ug/l	95
95) Naphthalene	14.45	128	146480	21.033	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	74132	21.094	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

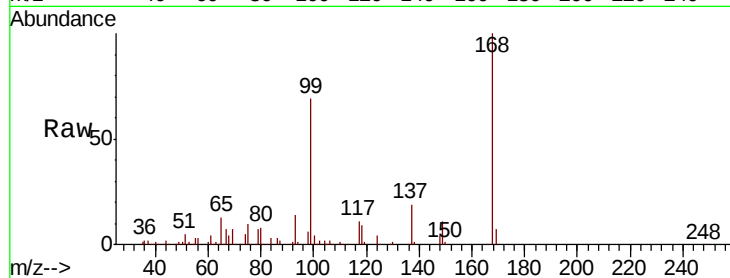
VSTDIC020

Tgt Ion:168 Resp: 190888

Ion Ratio Lower Upper

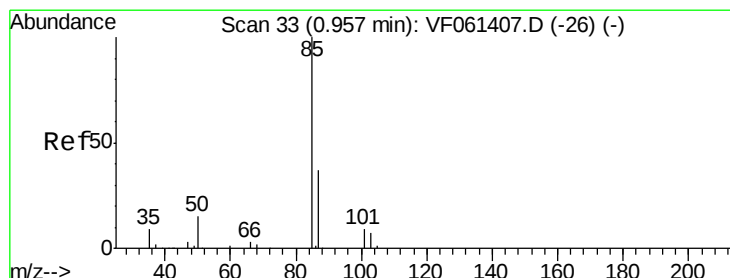
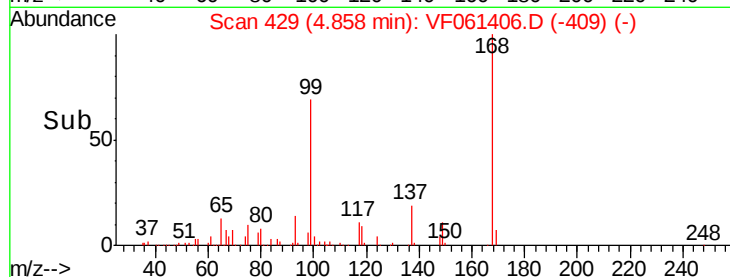
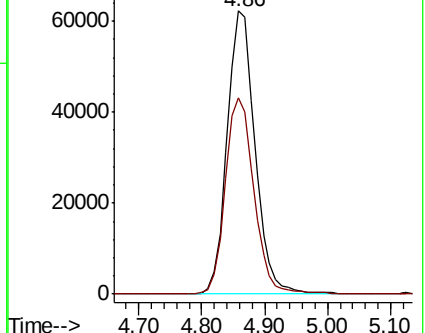
168 100

99 69.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 18.482 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061406.D

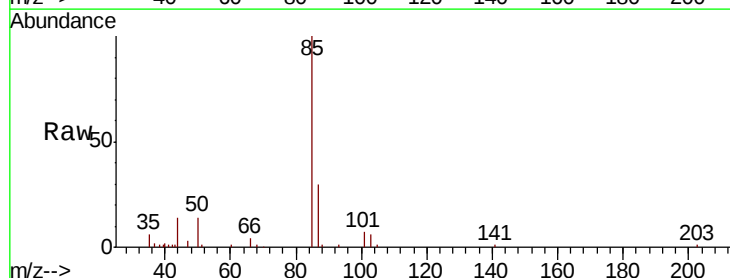
Acq: 15 Jan 2019 14:59

Tgt Ion: 85 Resp: 69917

Ion Ratio Lower Upper

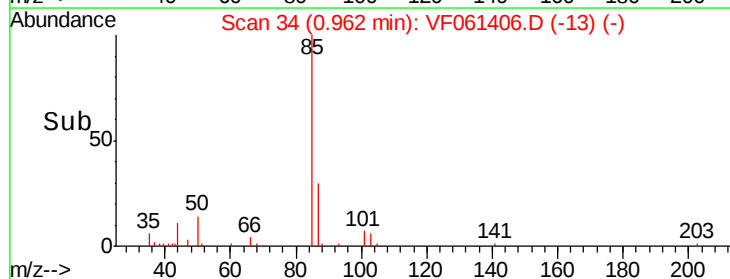
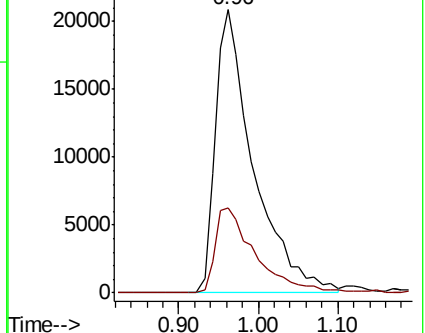
85 100

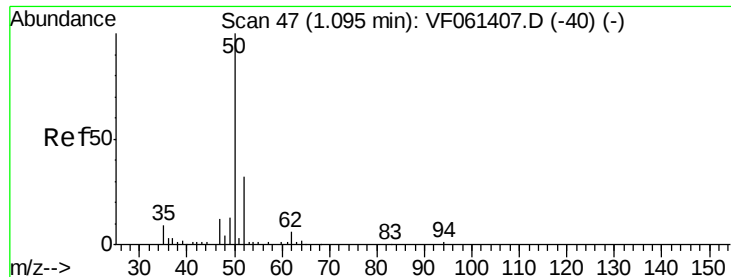
87 30.0 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 17.867 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

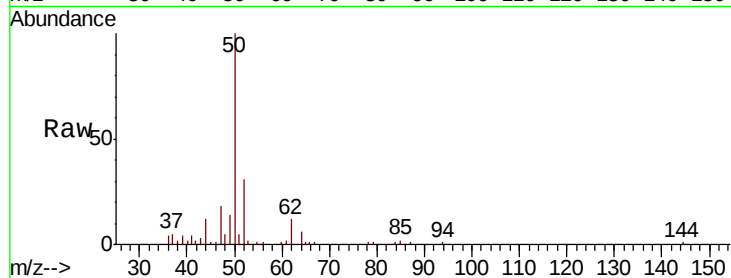
VSTDIC020

Tgt Ion: 50 Resp: 51240

Ion Ratio Lower Upper

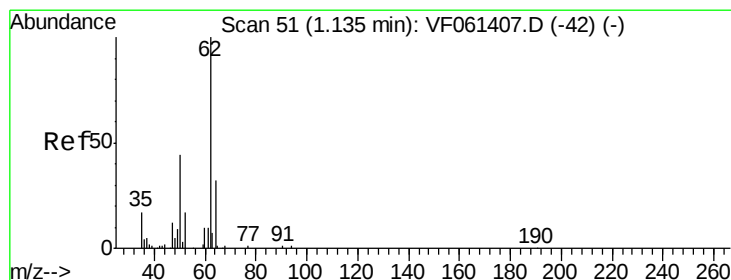
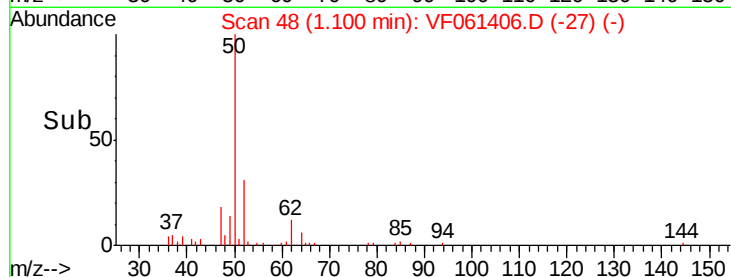
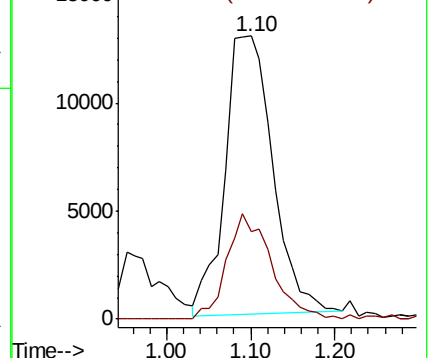
50 100

52 30.9 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.434 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061406.D

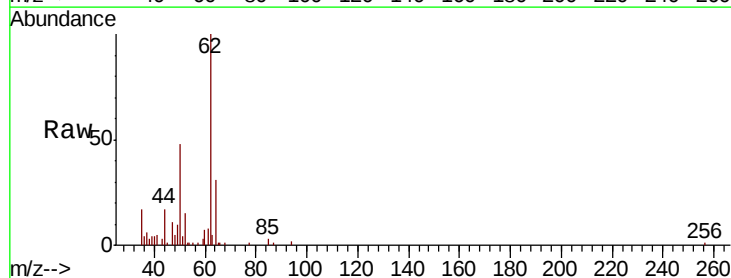
Acq: 15 Jan 2019 14:59

Tgt Ion: 62 Resp: 46567

Ion Ratio Lower Upper

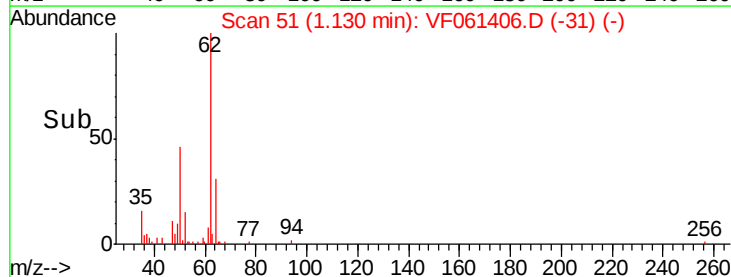
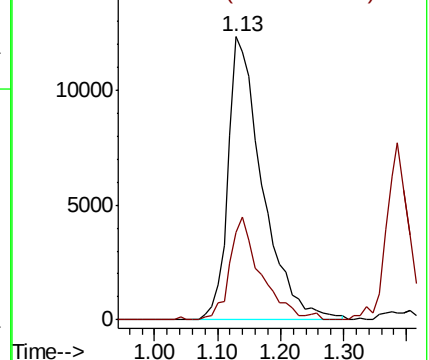
62 100

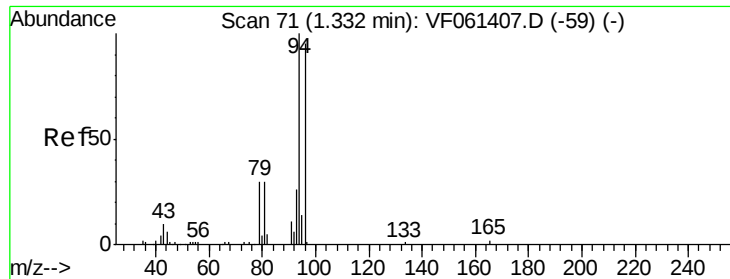
64 30.7 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 17.080 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

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ClientSampleId :

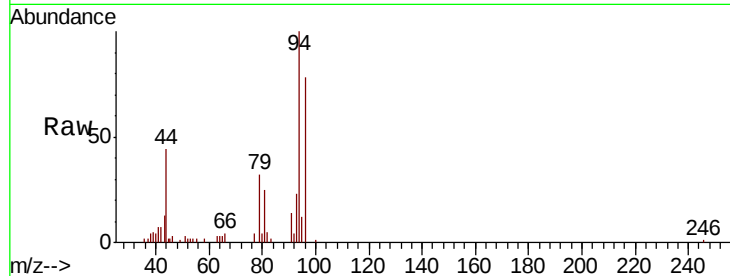
VSTDIC020

Tgt Ion: 94 Resp: 29544

Ion Ratio Lower Upper

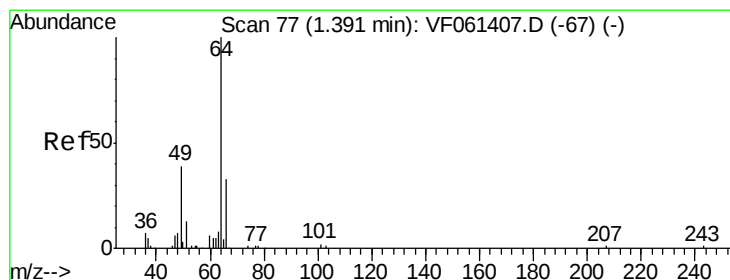
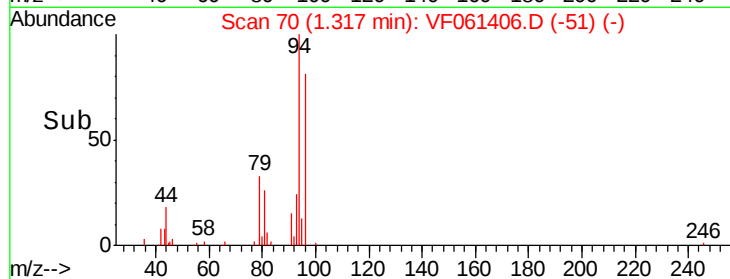
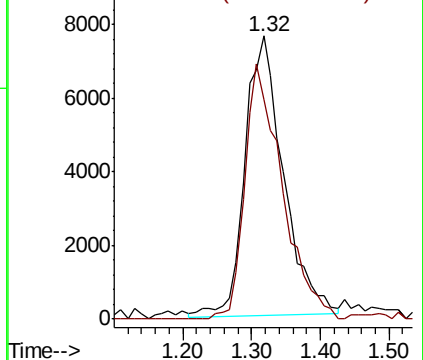
94 100

96 77.7 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 17.596 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061406.D

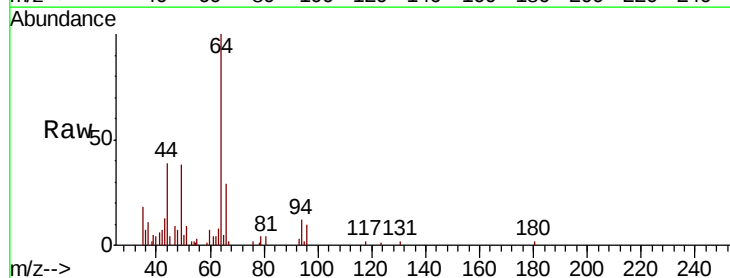
Acq: 15 Jan 2019 14:59

Tgt Ion: 64 Resp: 20081

Ion Ratio Lower Upper

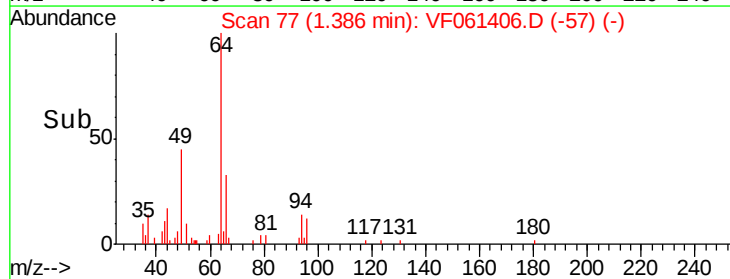
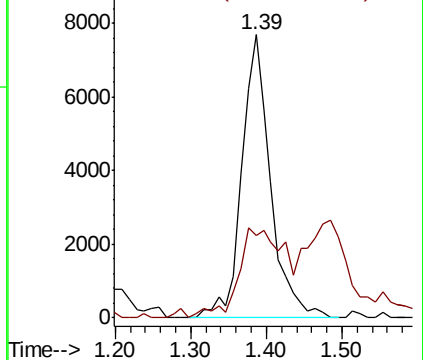
64 100

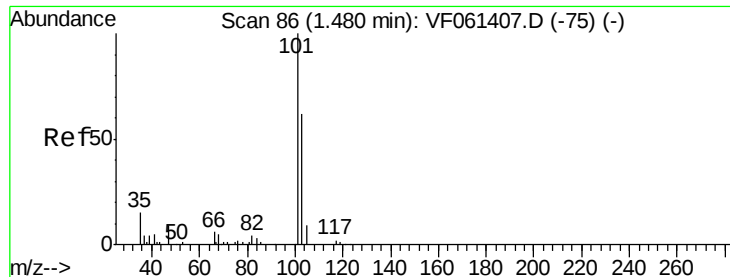
66 29.3 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 13.197 ug/l

RT: 1.47 min Scan# 86

Delta R.T. -0.01 min

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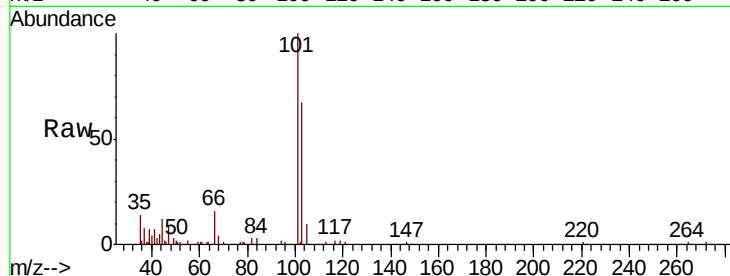
VSTDIC020

Tgt Ion:101 Resp: 66379

Ion Ratio Lower Upper

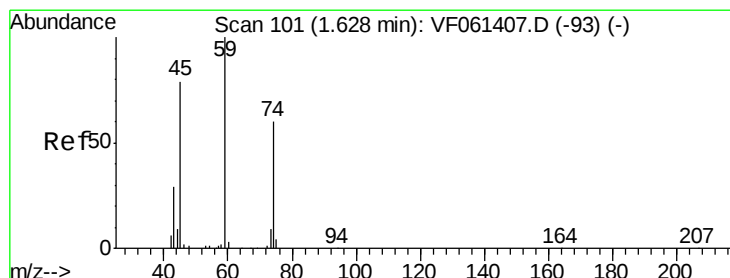
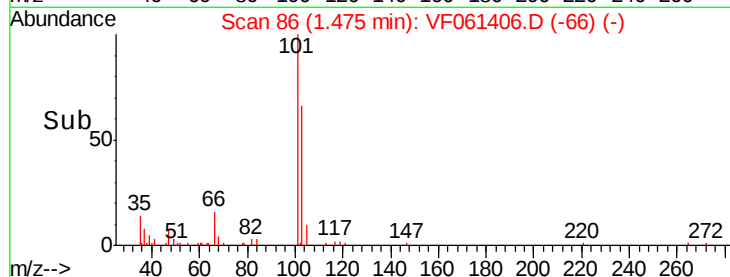
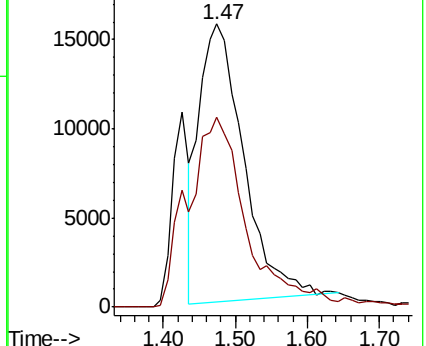
101 100

103 67.2 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 17.842 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061406.D

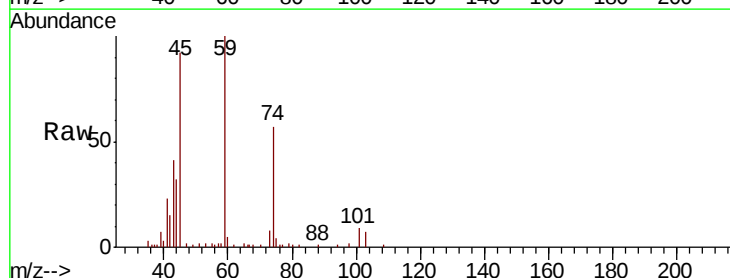
Acq: 15 Jan 2019 14:59

Tgt Ion: 74 Resp: 11252

Ion Ratio Lower Upper

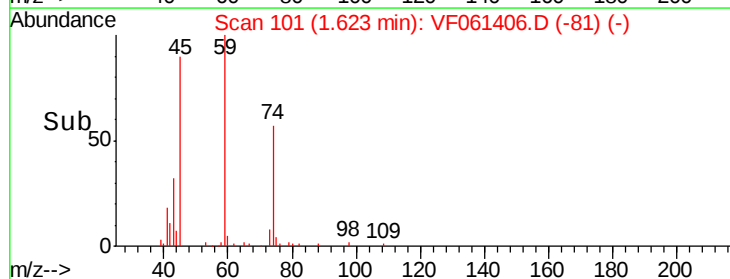
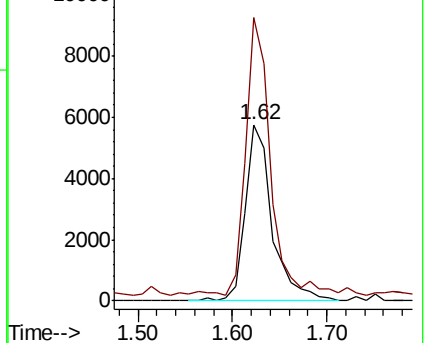
74 100

45 160.7 65.8 197.5



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: 18.427 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

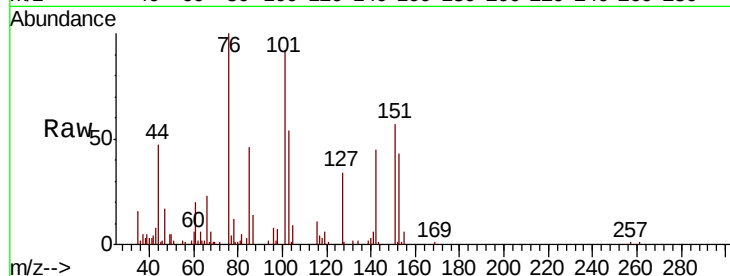
Tgt Ion:101 Resp: 43306

Ion Ratio Lower Upper

101 100

85 49.3 41.9 62.9

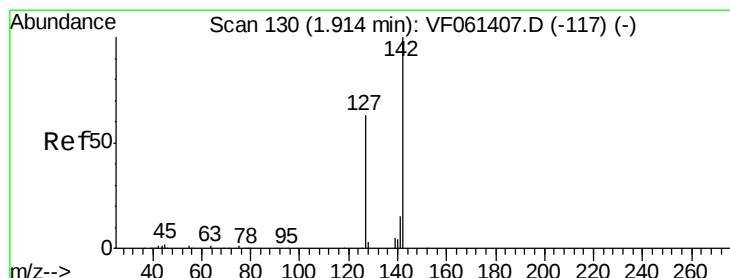
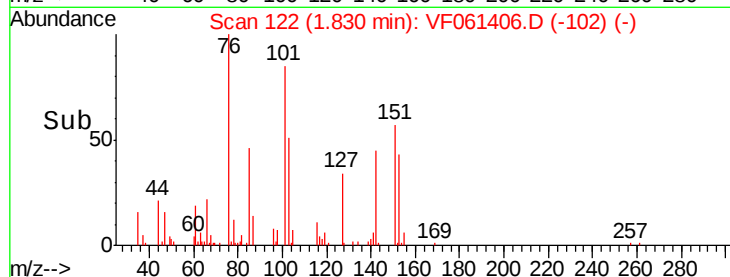
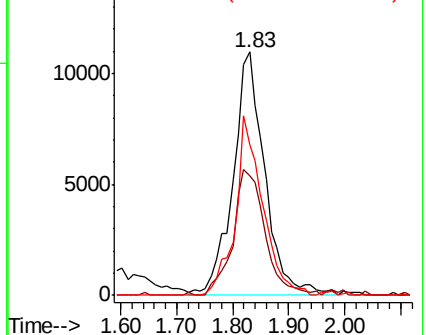
151 61.7 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 12.711 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

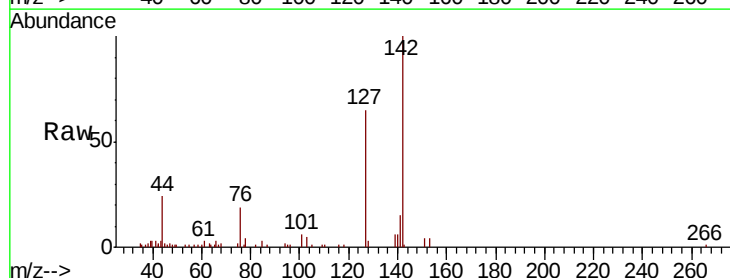
Tgt Ion:142 Resp: 46286

Ion Ratio Lower Upper

142 100

127 65.0 50.7 76.1

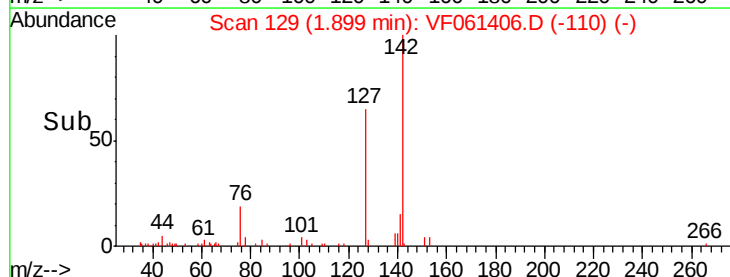
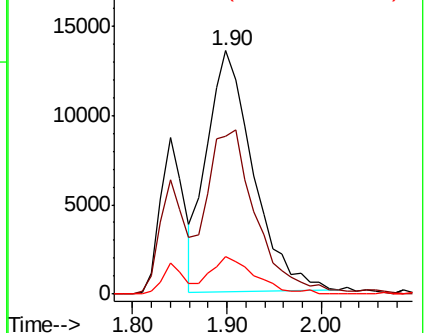
141 15.3 11.8 17.6

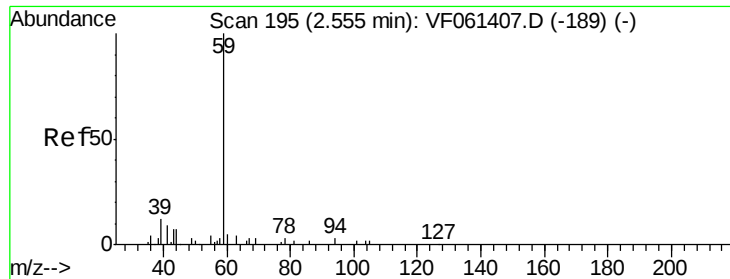


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

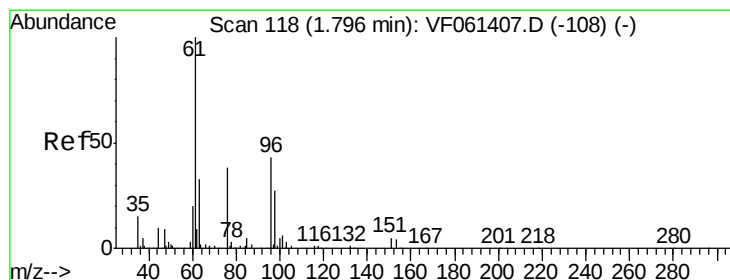
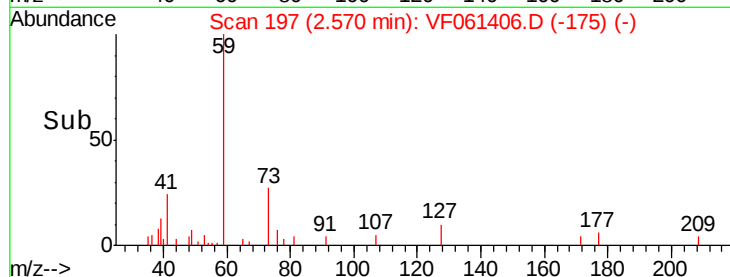
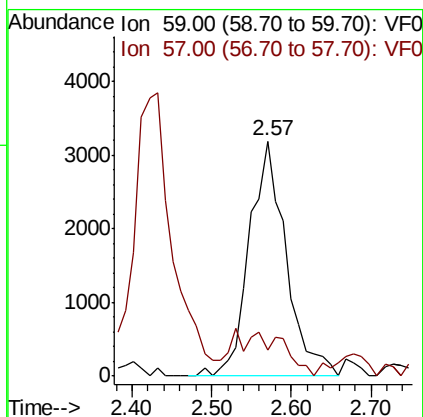
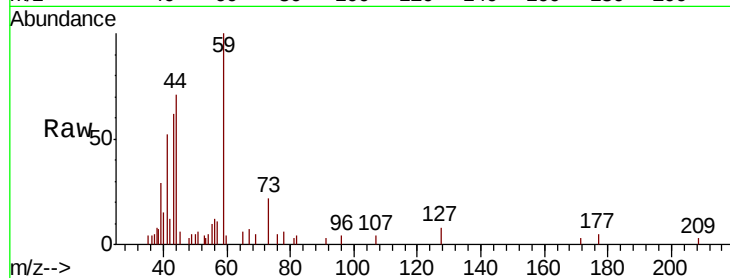




#11
Tert butyl alcohol
Concen: 100.282 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

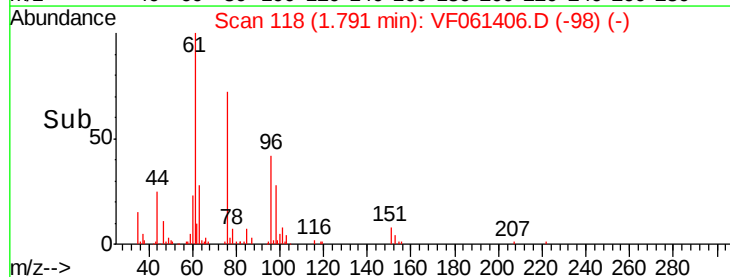
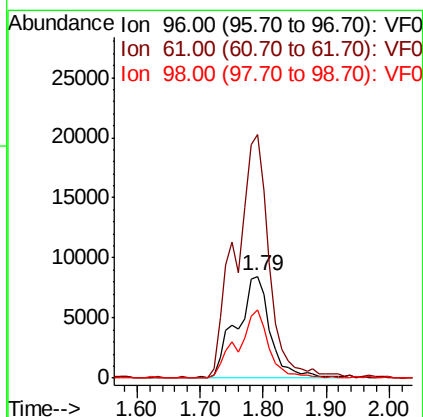
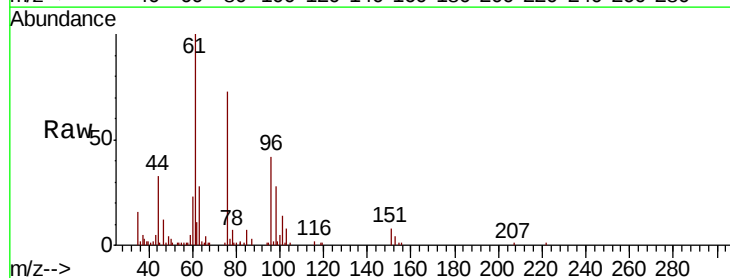
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

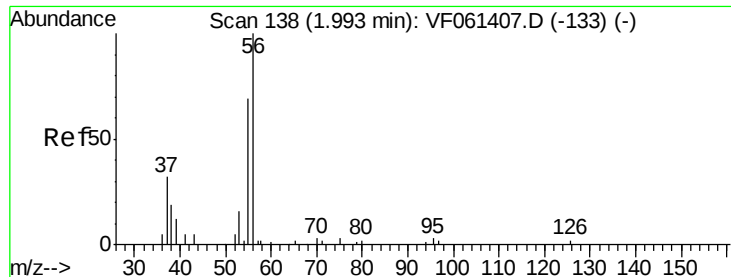
Tgt Ion: 59 Resp: 10156
Ion Ratio Lower Upper
59 100
57 11.0 11.9 17.9#



#12
1,1-Dichloroethene
Concen: 18.206 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 96 Resp: 31787
Ion Ratio Lower Upper
96 100
61 239.3 186.9 280.3
98 67.6 53.0 79.4





#13

Acrolein

Concen: 56.760 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

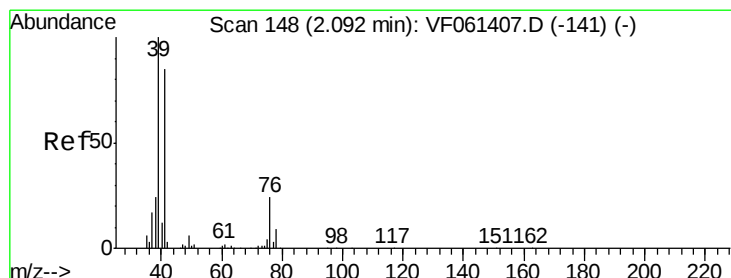
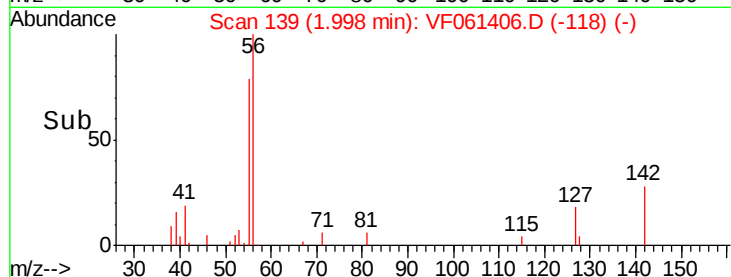
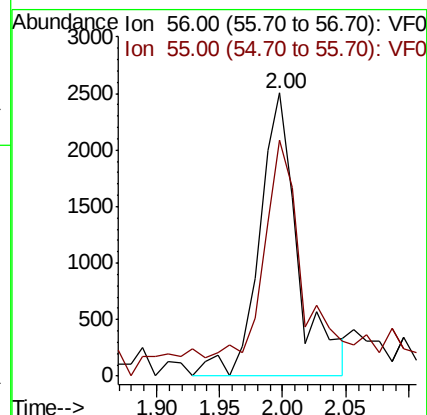
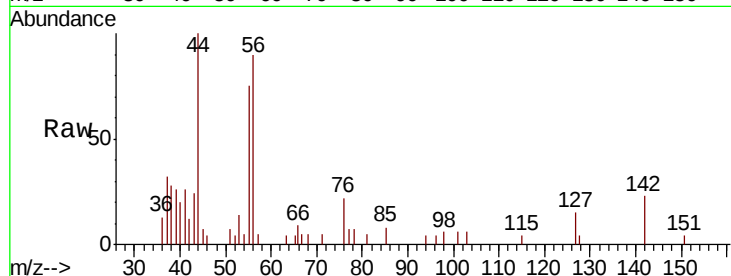
VSTDIC020

Tgt Ion: 56 Resp: 5347

Ion Ratio Lower Upper

56 100

55 83.4 57.5 86.3



#14

Allyl chloride

Concen: 18.102 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

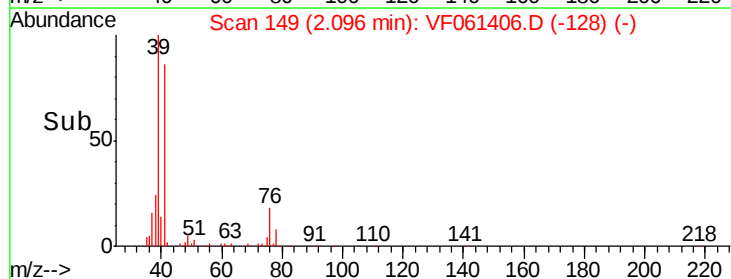
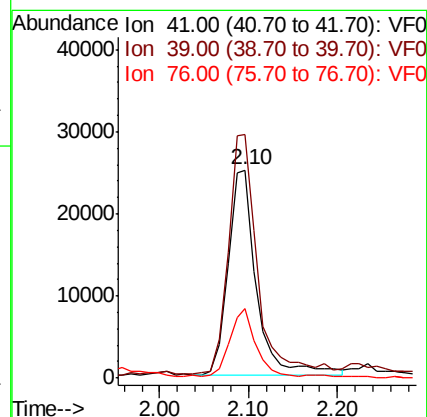
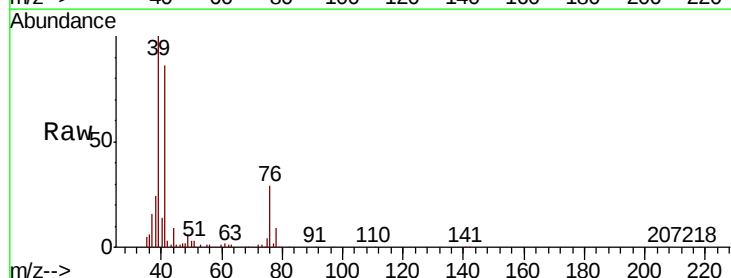
Tgt Ion: 41 Resp: 56851

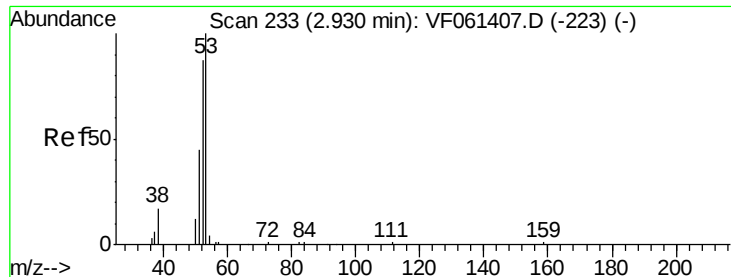
Ion Ratio Lower Upper

41 100

39 116.9 94.6 141.8

76 33.4 25.9 38.9





#15

Acrylonitrile

Concen: 97.667 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

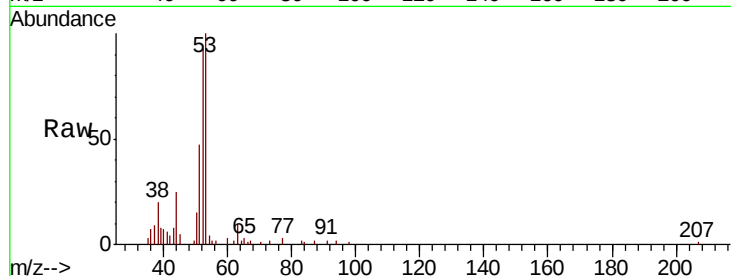
Tgt Ion: 53 Resp: 25784

Ion Ratio Lower Upper

53 100

52 93.2 69.6 104.4

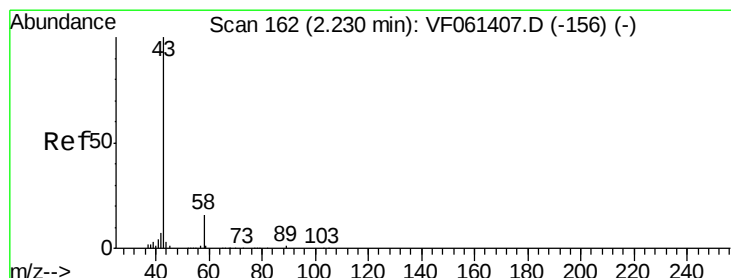
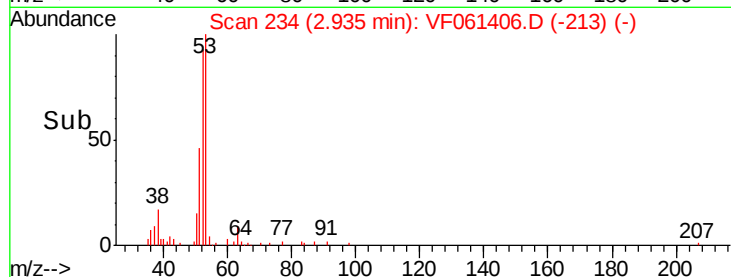
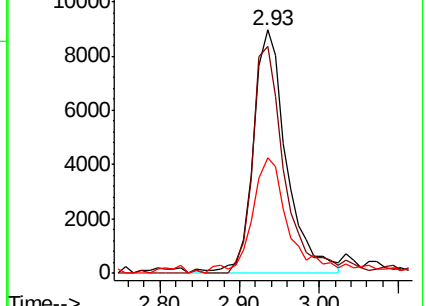
51 47.4 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 95.495 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061406.D

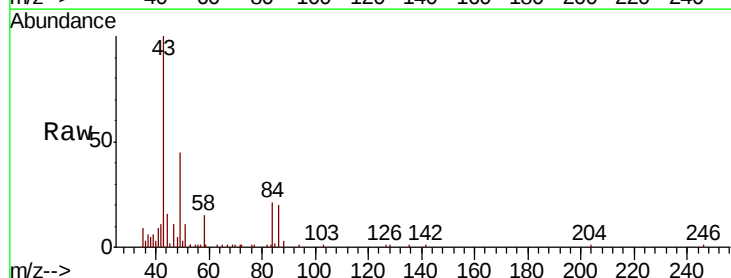
Acq: 15 Jan 2019 14:59

Tgt Ion: 43 Resp: 48015

Ion Ratio Lower Upper

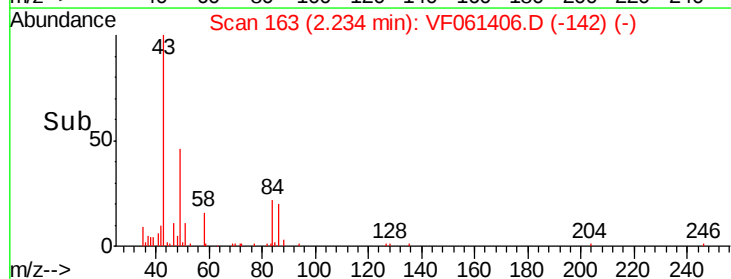
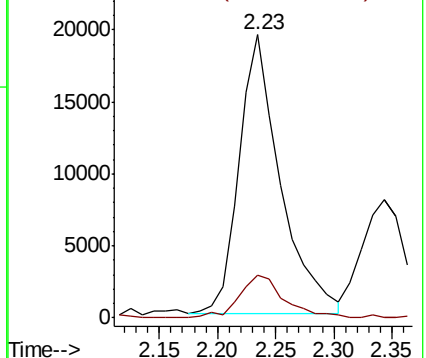
43 100

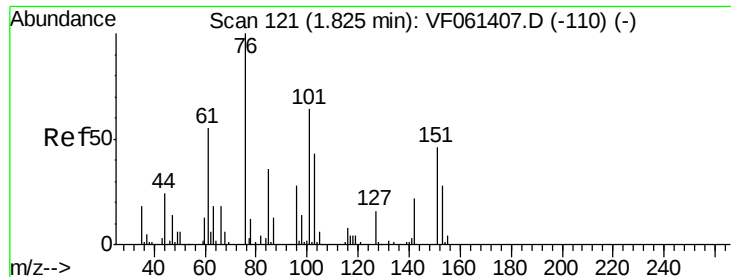
58 15.2 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

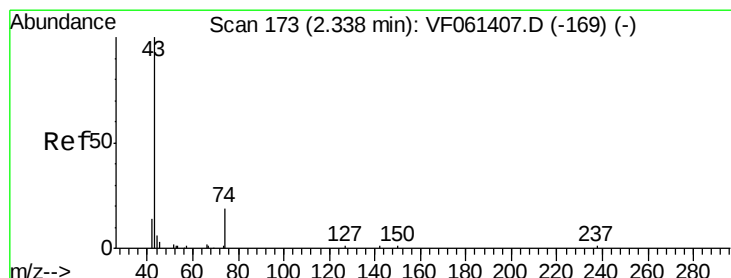
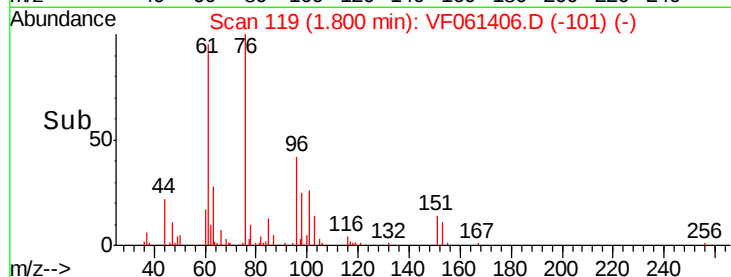
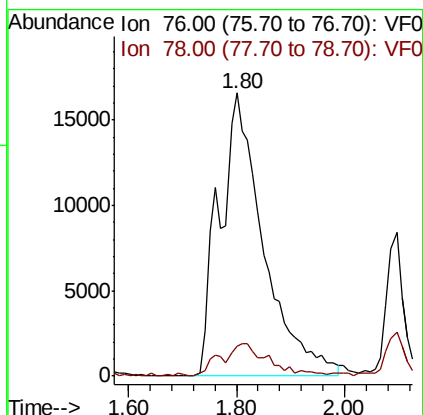
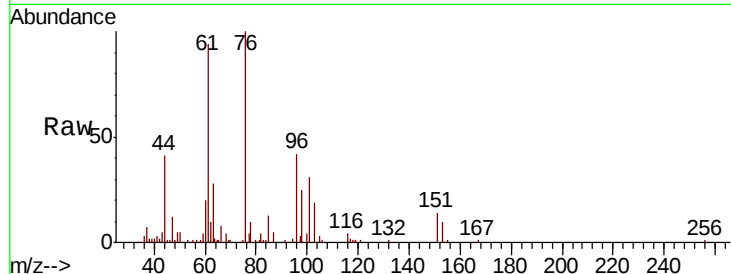




#17
Carbon Disulfide
Concen: 17.435 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

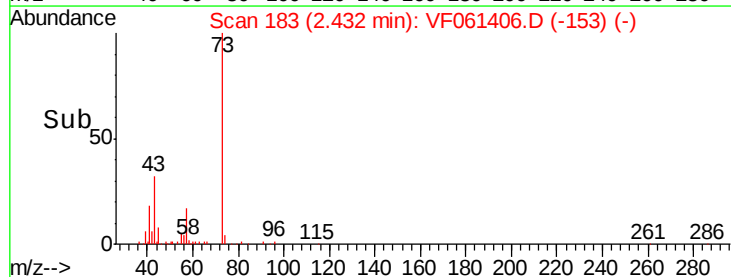
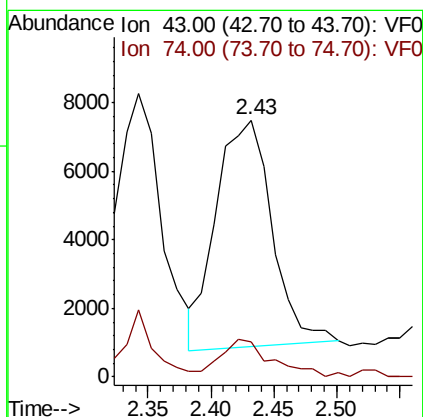
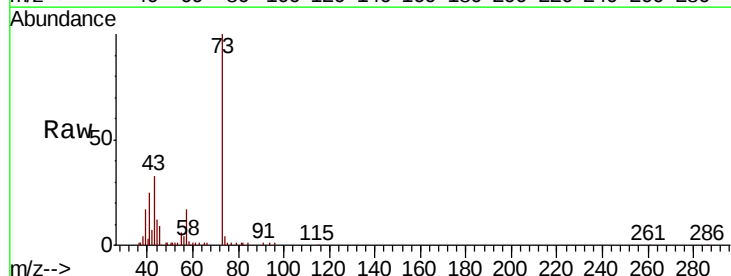
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

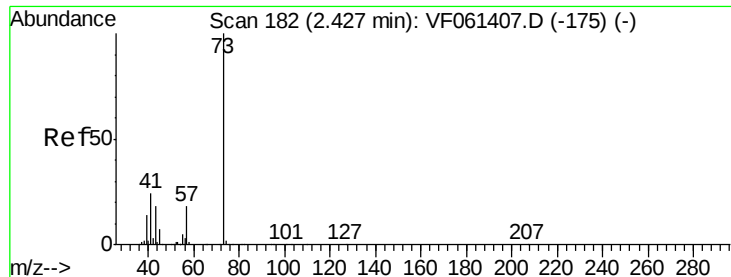
Tgt Ion: 76 Resp: 94954
Ion Ratio Lower Upper
76 100
78 10.4 9.6 14.4



#18
Methyl Acetate
Concen: 17.079 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.09 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 43 Resp: 20261
Ion Ratio Lower Upper
43 100
74 13.5 13.4 20.0

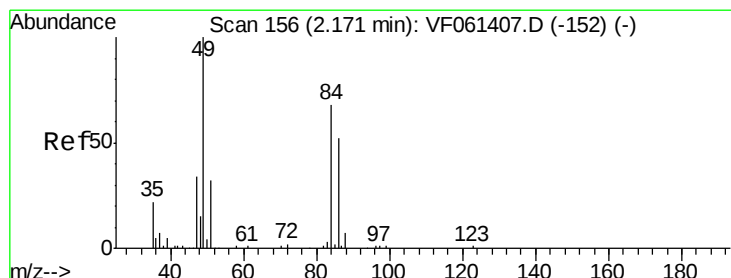
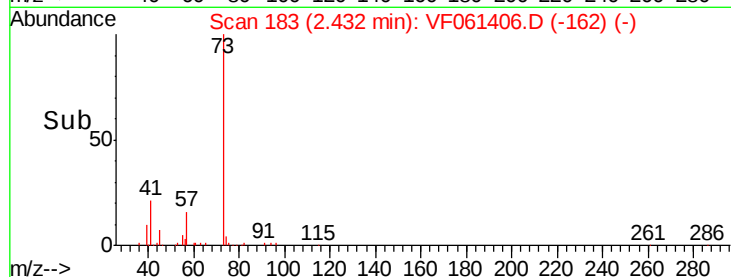
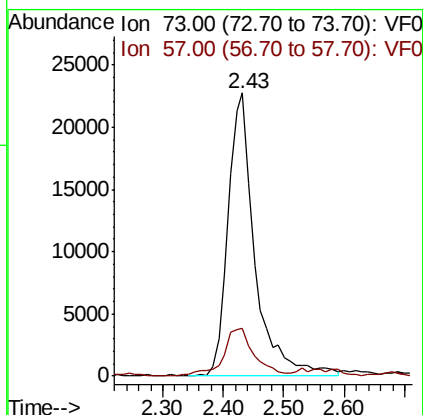
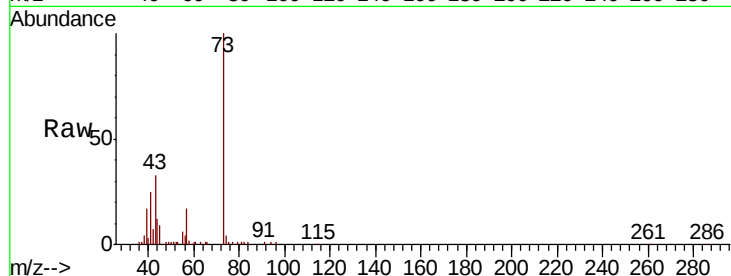




#19
Methyl tert-butyl Ether
Concen: 18.041 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

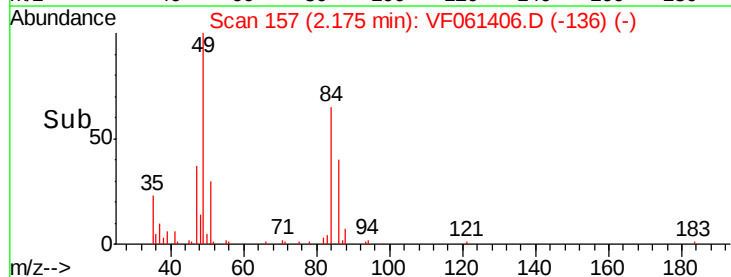
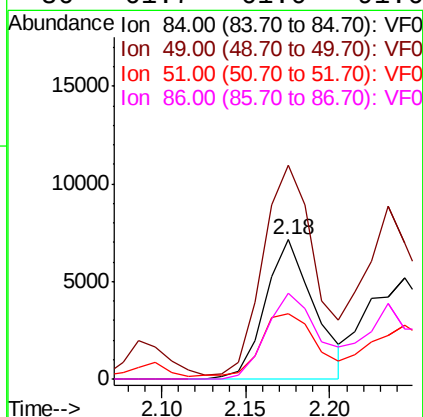
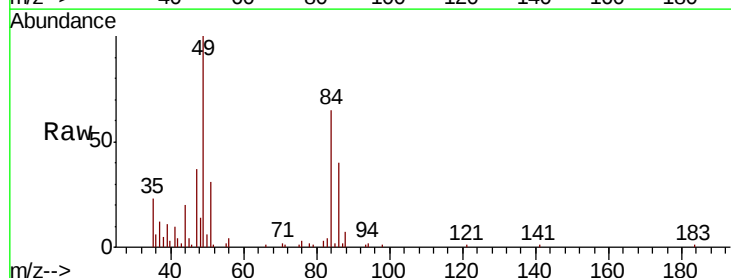
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

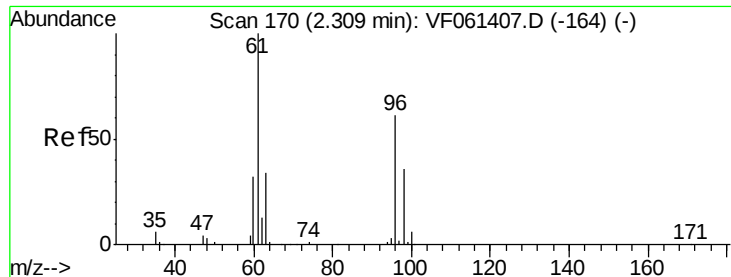
Tgt Ion: 73 Resp: 70203
Ion Ratio Lower Upper
73 100
57 16.9 14.8 22.2



#20
Methylene Chloride
Concen: 7.281 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 84 Resp: 14399
Ion Ratio Lower Upper
84 100
49 153.5 120.0 180.0
51 47.1 38.6 58.0
86 61.7 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 18.985 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

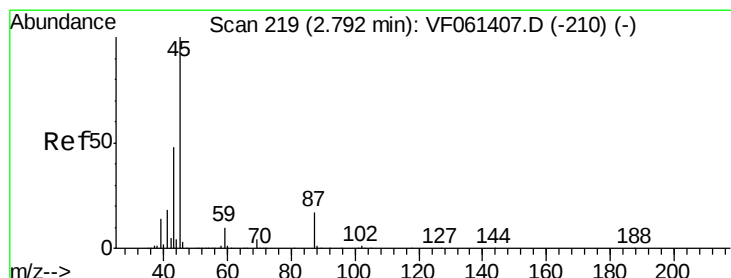
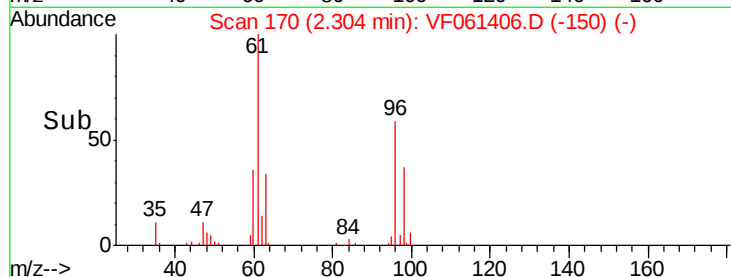
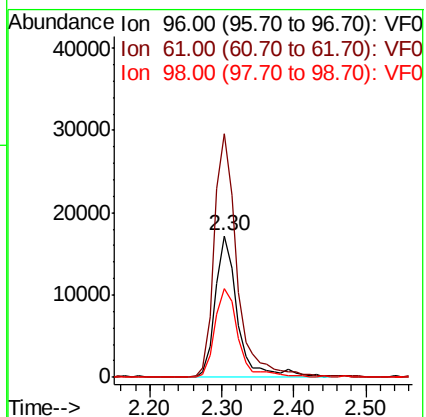
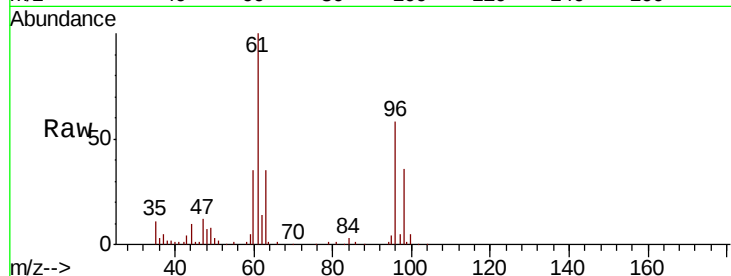
Tgt Ion: 96 Resp: 36825

Ion Ratio Lower Upper

96 100

61 172.1 131.8 197.8

98 62.8 47.4 71.0



#22

Diisopropyl ether

Concen: 19.083 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion: 45 Resp: 116564

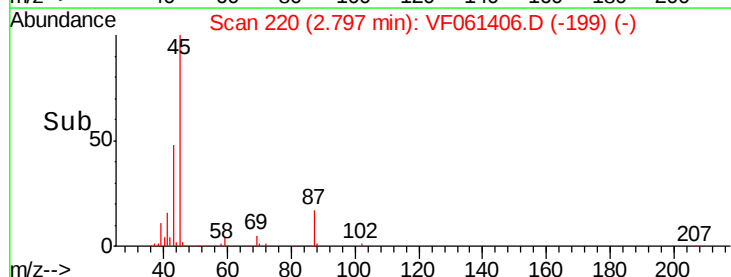
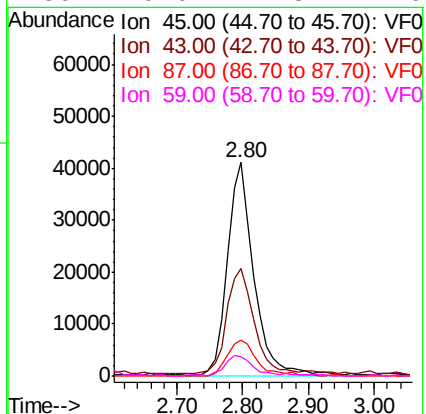
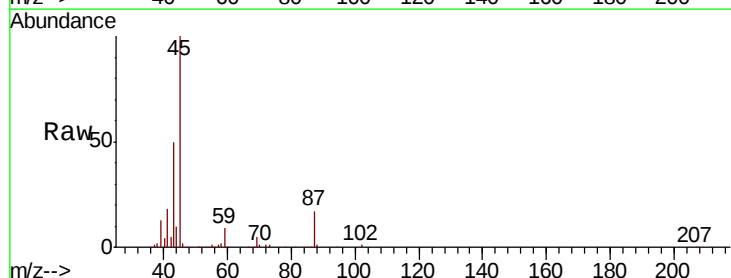
Ion Ratio Lower Upper

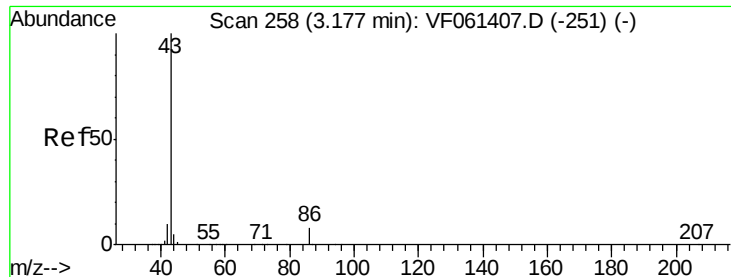
45 100

43 50.4 39.0 58.6

87 17.1 13.9 20.9

59 9.0 7.8 11.6





#23

Vinyl Acetate

Concen: 102.258 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

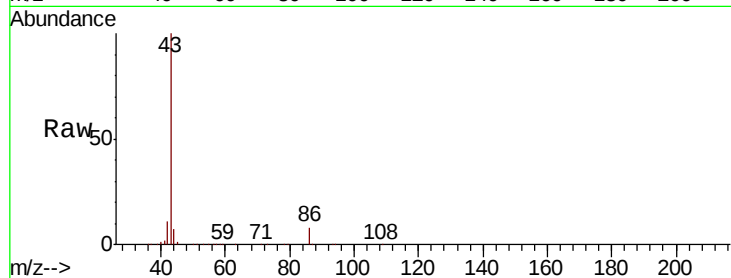
VSTDIC020

Tgt Ion: 43 Resp: 237642

Ion Ratio Lower Upper

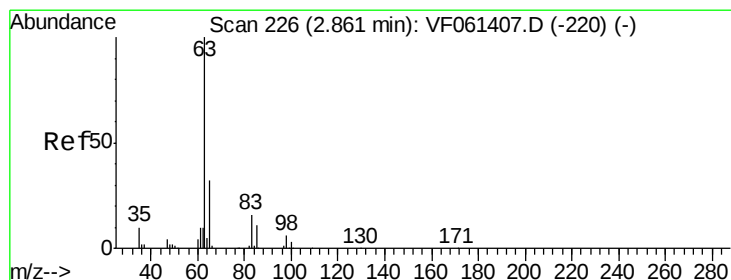
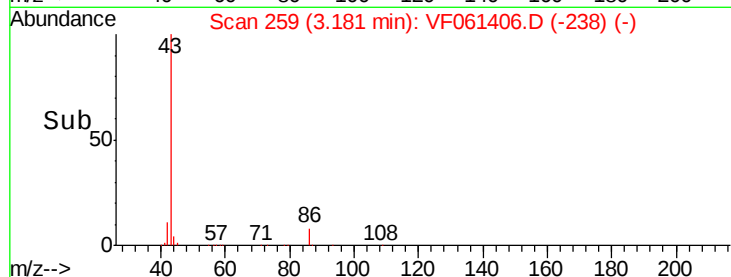
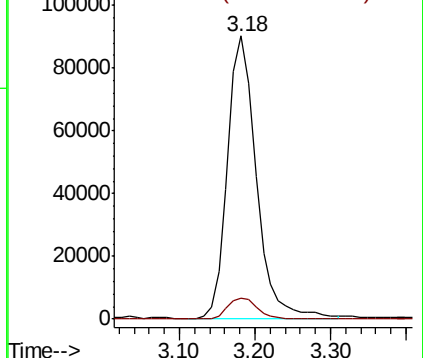
43 100

86 7.5 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.258 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

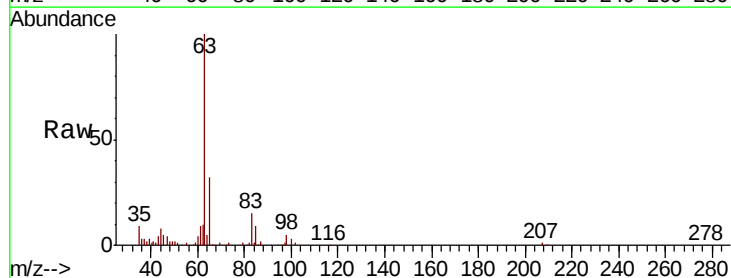
Tgt Ion: 63 Resp: 74907

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.8

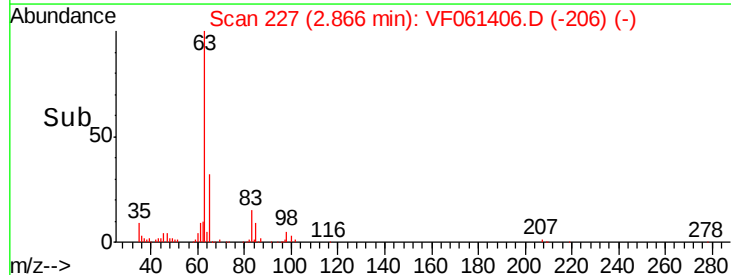
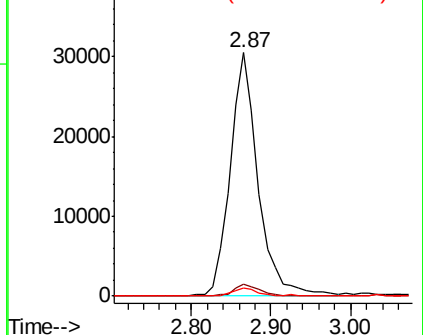
100 3.2 1.6 4.8

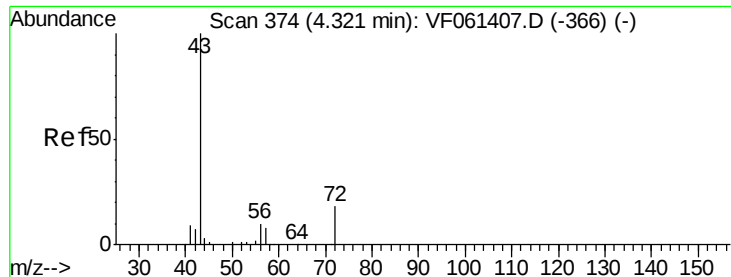


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 106.854 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

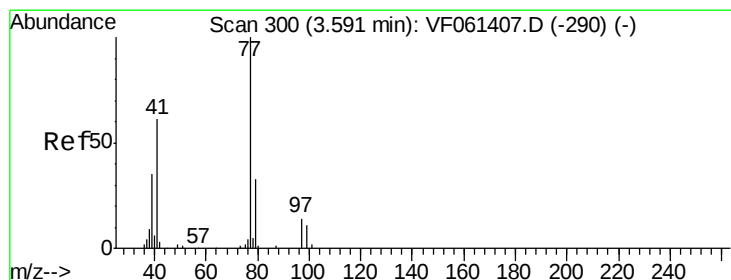
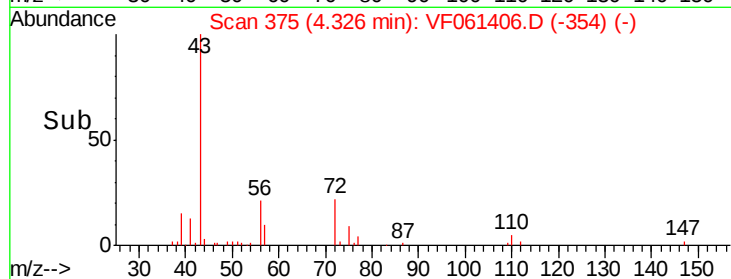
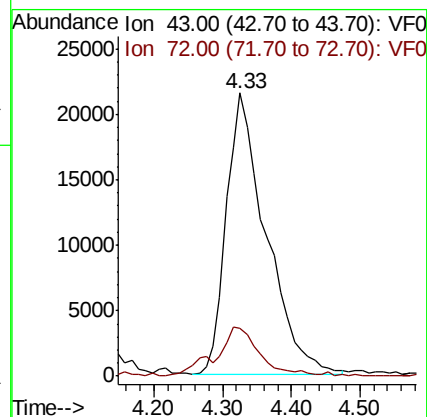
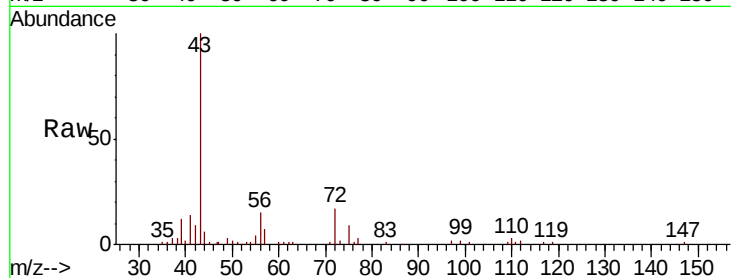
VSTDIC020

Tgt Ion: 43 Resp: 85574

Ion Ratio Lower Upper

43 100

72 16.8 15.8 23.6



#26

2,2-Dichloropropane

Concen: 18.606 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF061406.D

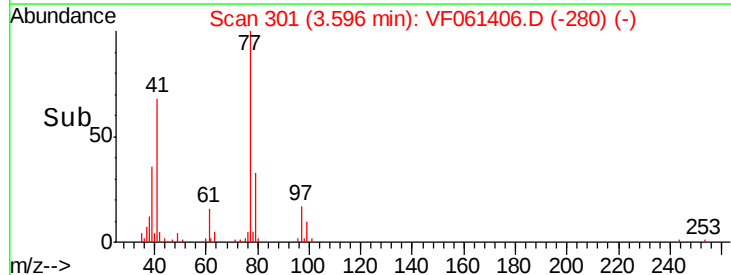
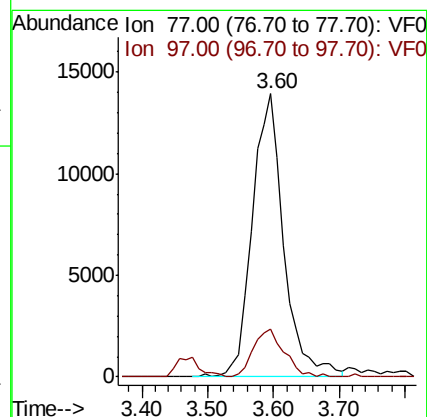
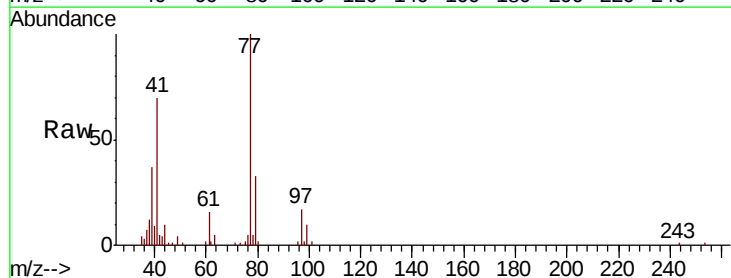
Acq: 15 Jan 2019 14:59

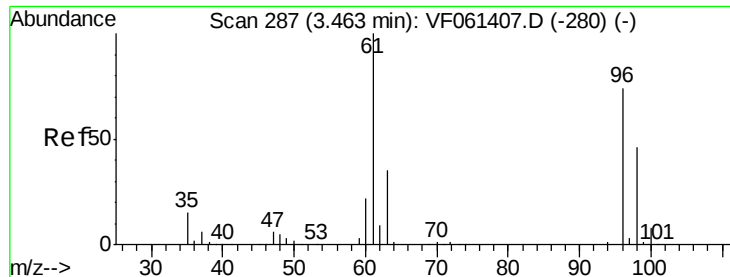
Tgt Ion: 77 Resp: 46621

Ion Ratio Lower Upper

77 100

97 16.7 8.5 25.5



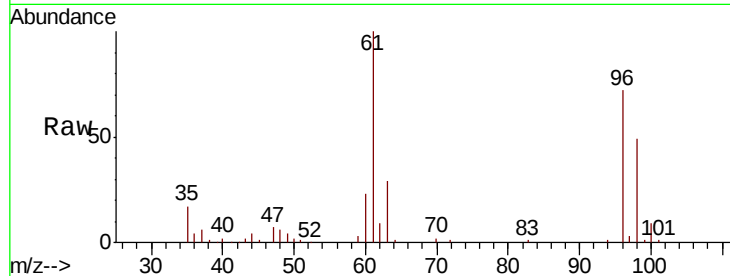


#27

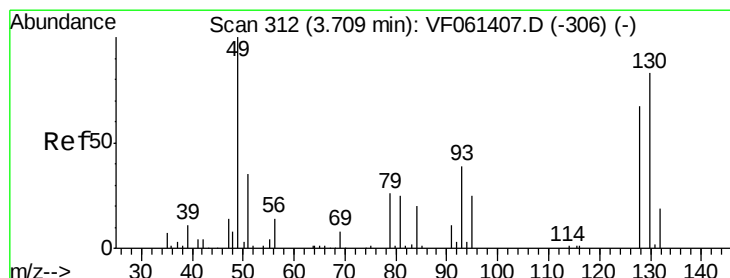
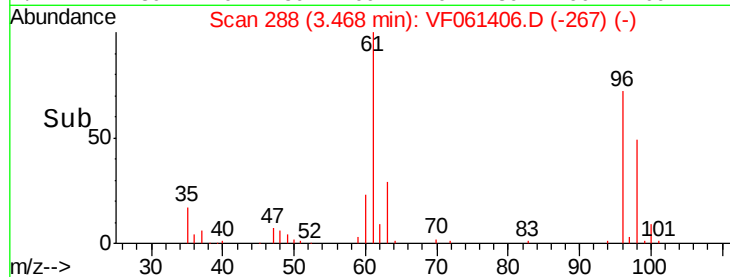
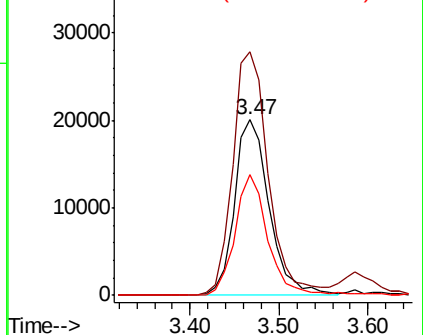
cis-1,2-Dichloroethene
Concen: 19.533 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 54734
Ion Ratio Lower Upper
96 100
61 138.6 0.0 270.2
98 68.6 0.0 124.0



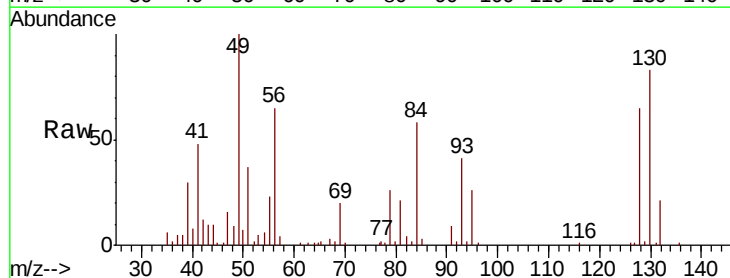
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



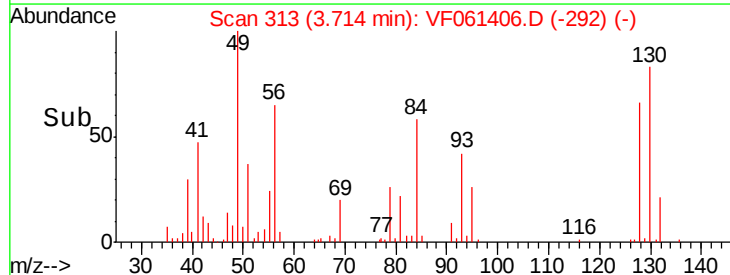
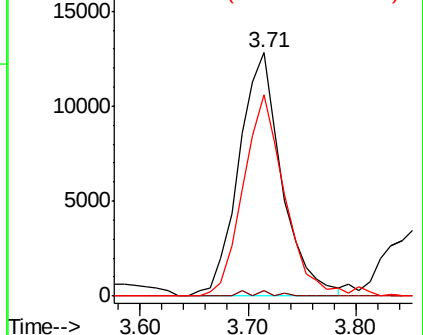
#28

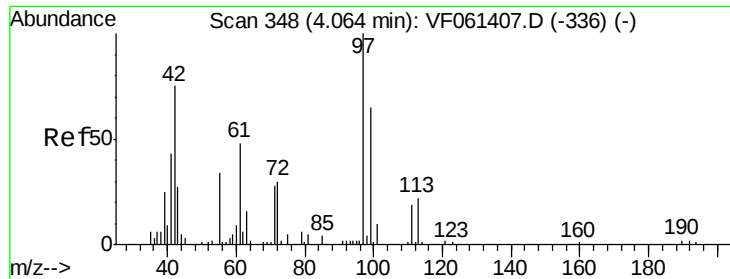
Bromochloromethane
Concen: 19.515 ug/l
RT: 3.71 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 49 Resp: 35336
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 82.6 65.4 98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 97.617 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

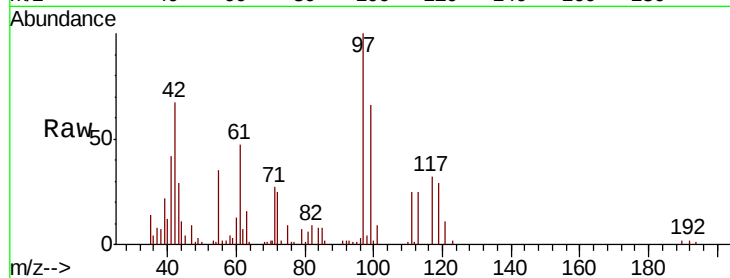
Tgt Ion: 42 Resp: 34395

Ion Ratio Lower Upper

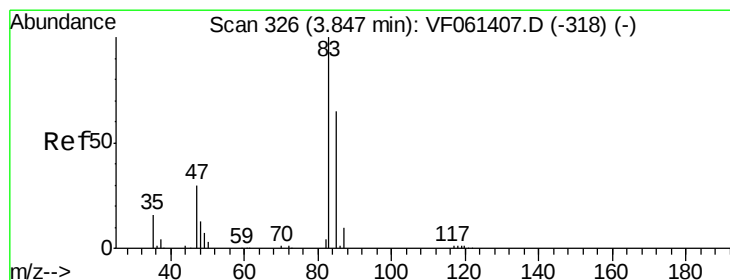
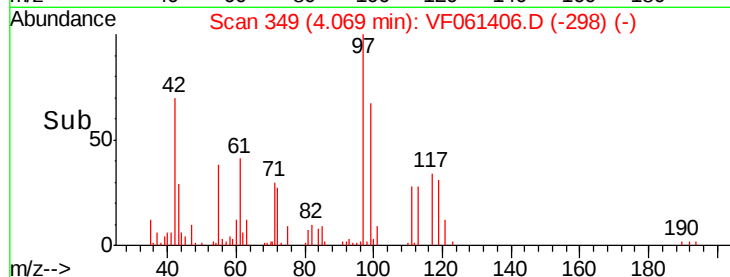
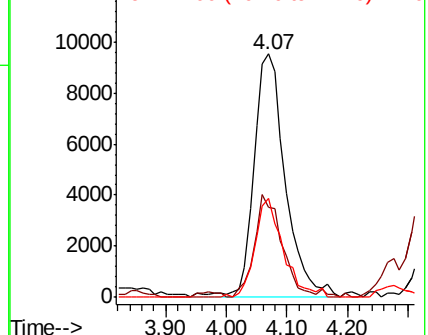
42 100

72 36.9 28.9 43.3

71 36.6 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 19.799 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF061406.D

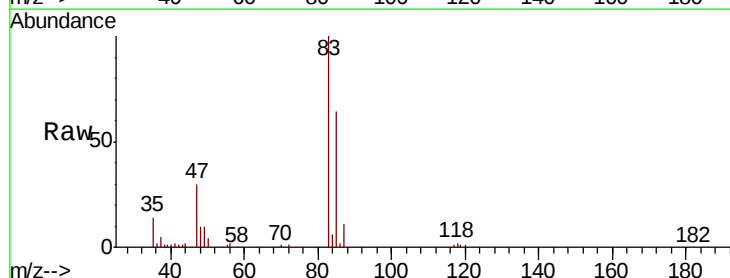
Acq: 15 Jan 2019 14:59

Tgt Ion: 83 Resp: 103932

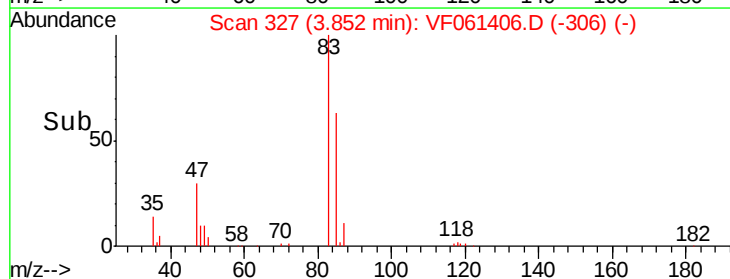
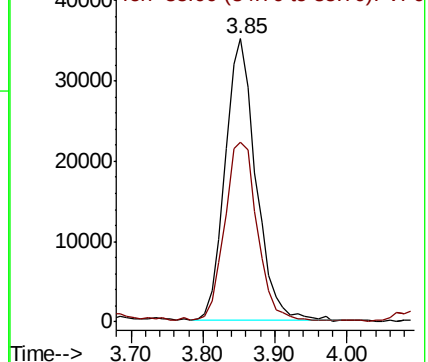
Ion Ratio Lower Upper

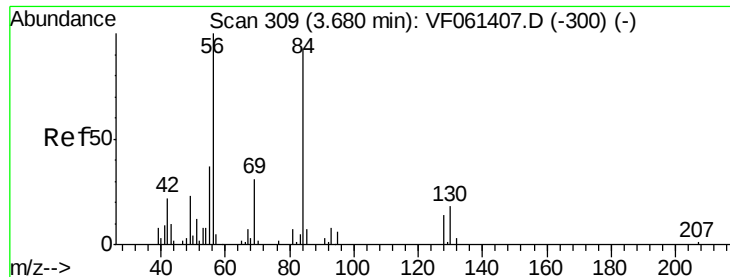
83 100

85 63.6 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 18.636 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

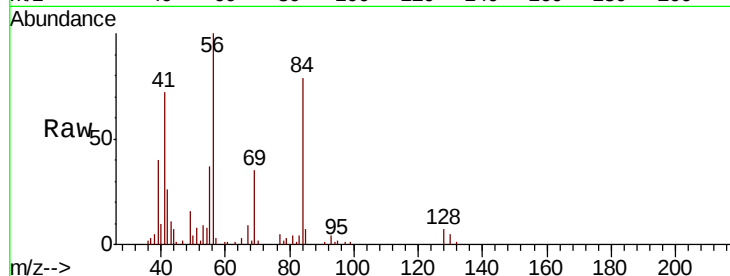
Tgt Ion: 56 Resp: 73969

Ion Ratio Lower Upper

56 100

69 34.8 24.6 36.8

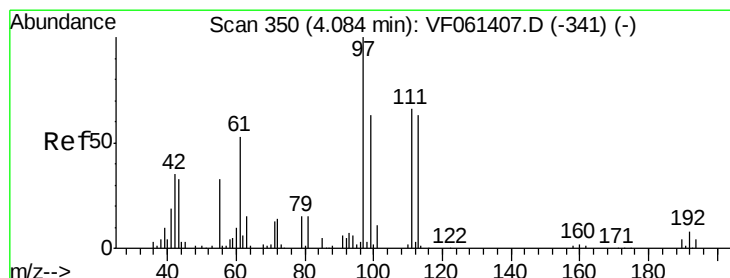
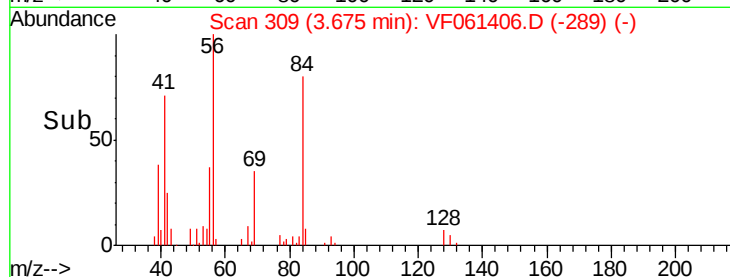
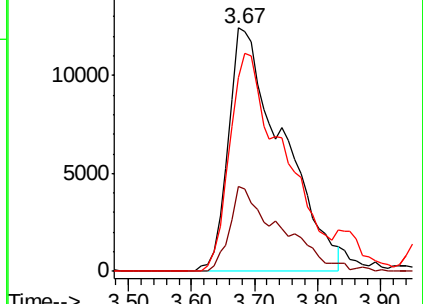
84 79.5 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 19.891 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

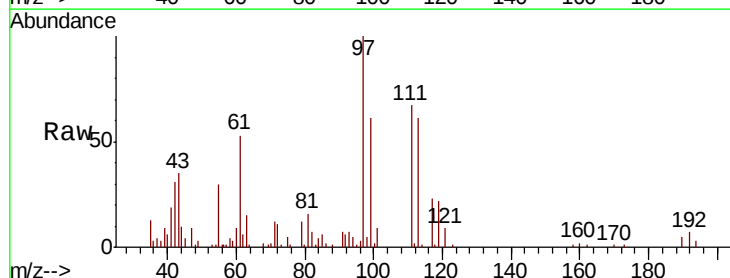
Tgt Ion: 97 Resp: 79400

Ion Ratio Lower Upper

97 100

99 60.8 50.1 75.1

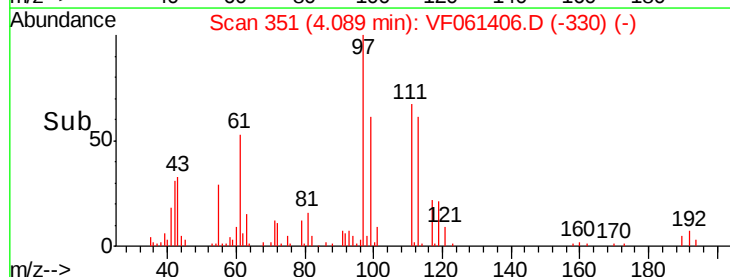
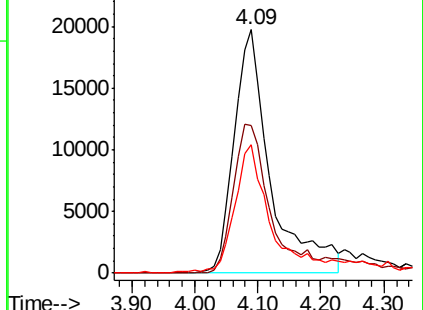
61 52.9 43.1 64.7

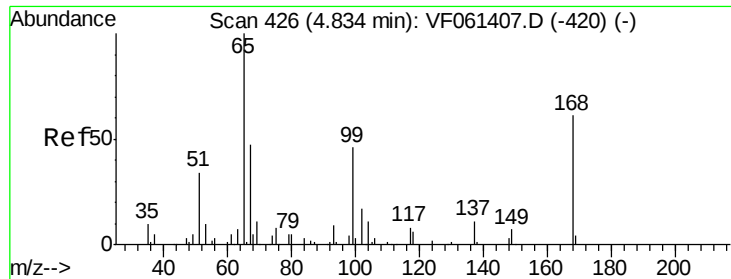


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 19.928 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

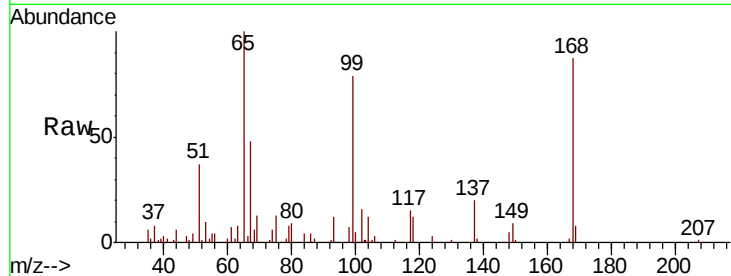
VSTDIC020

Tgt Ion: 65 Resp: 46402

Ion Ratio Lower Upper

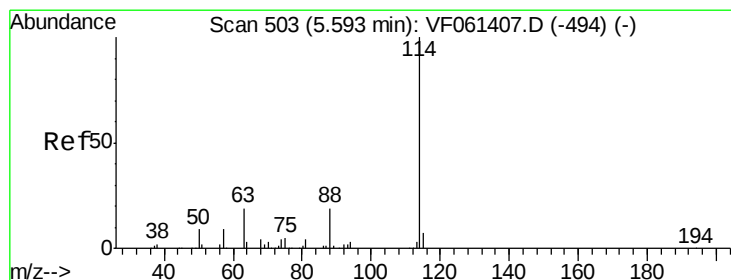
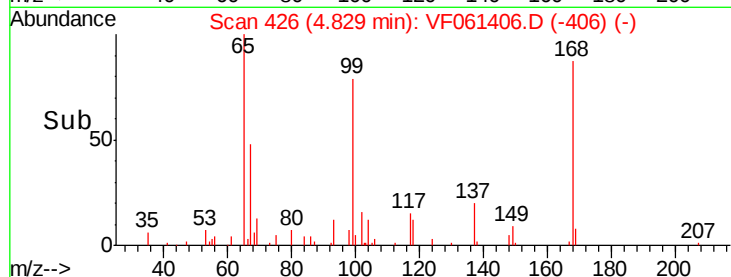
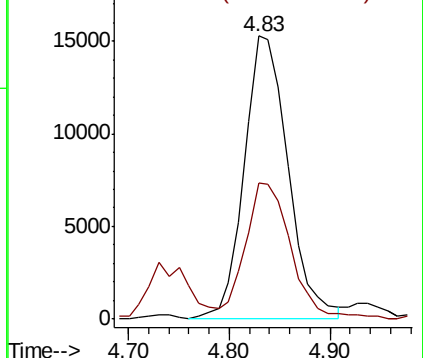
65 100

67 48.1 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

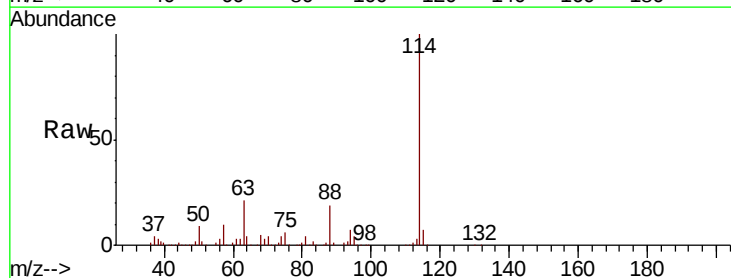
Tgt Ion: 114 Resp: 332153

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

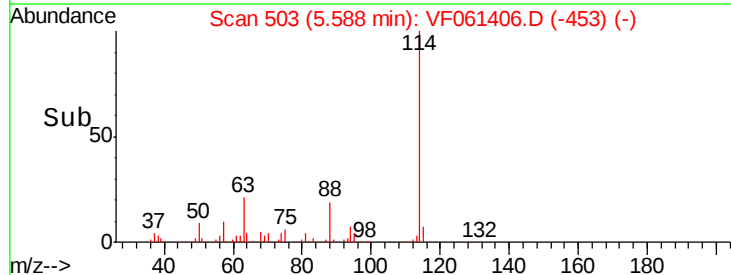
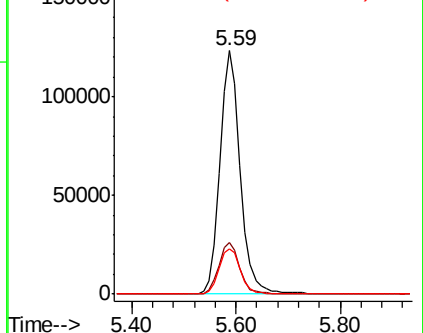
88 18.7 0.0 37.4

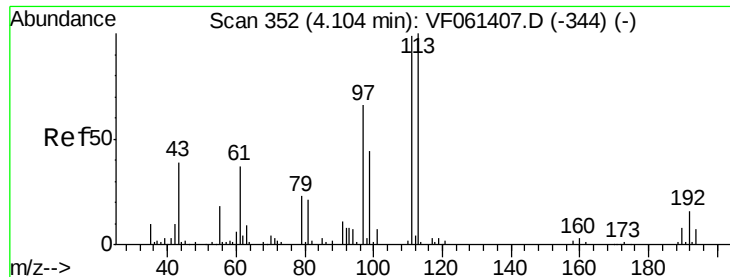


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 19.601 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

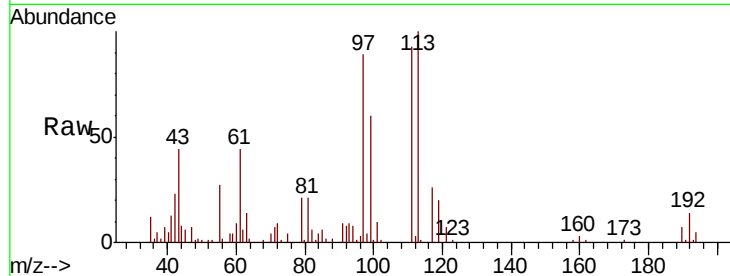
Tgt Ion: 113 Resp: 52629

Ion Ratio Lower Upper

113 100

111 92.8 79.4 119.0

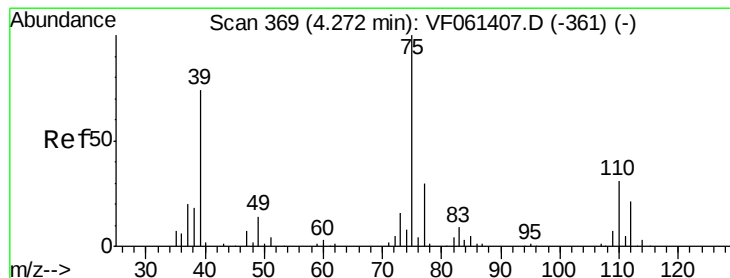
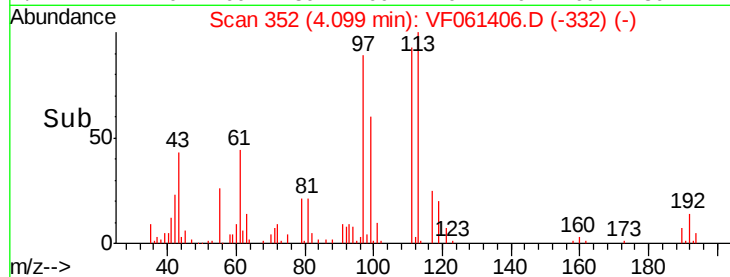
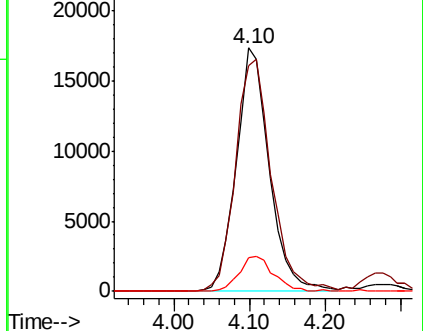
192 14.0 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.014 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

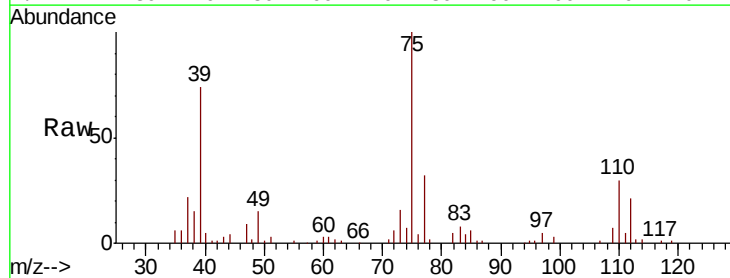
Tgt Ion: 75 Resp: 78834

Ion Ratio Lower Upper

75 100

110 30.1 15.8 47.3

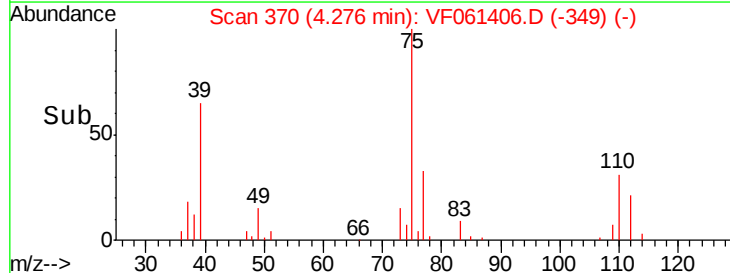
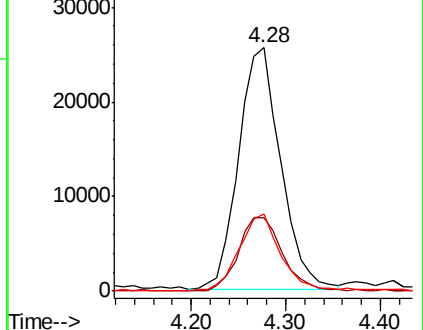
77 31.5 24.0 36.0

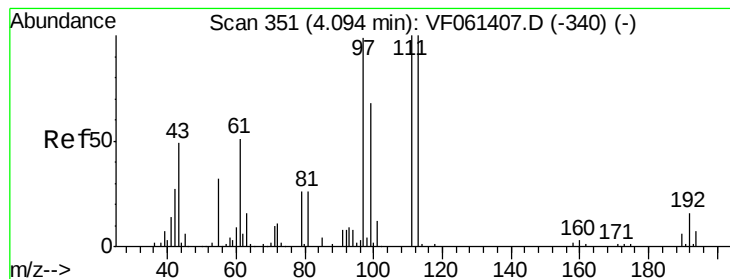


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.330 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

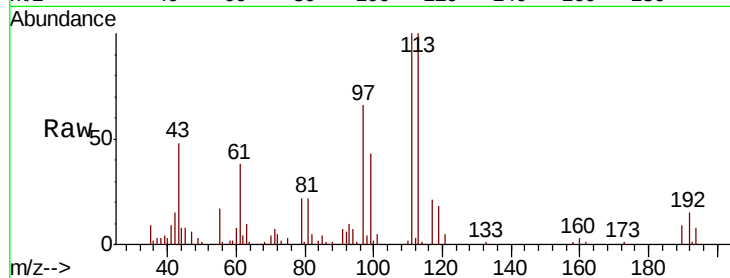
Tgt Ion: 43 Resp: 32514

Ion Ratio Lower Upper

43 100

61 79.9 81.7 122.5#

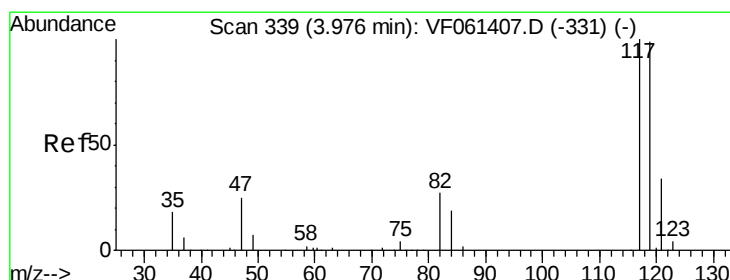
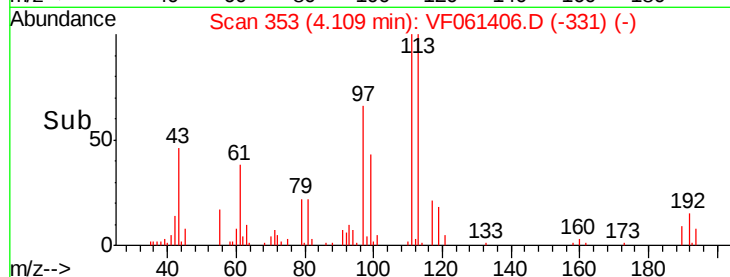
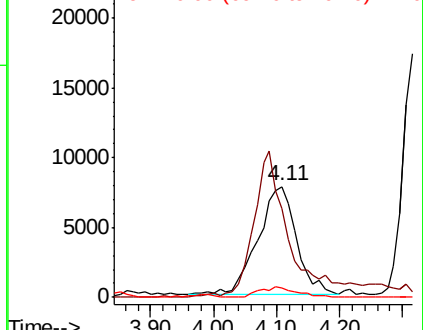
70 8.1 6.2 9.2



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: 15.259 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

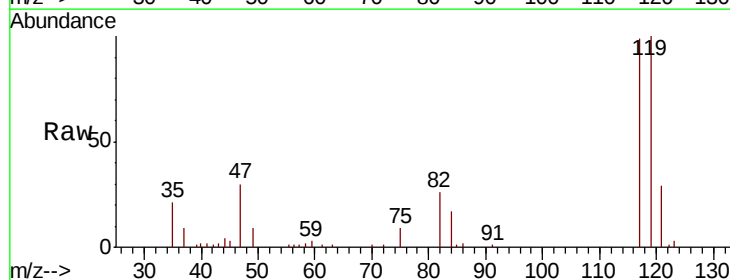
Tgt Ion: 117 Resp: 65114

Ion Ratio Lower Upper

117 100

119 101.2 79.0 118.6

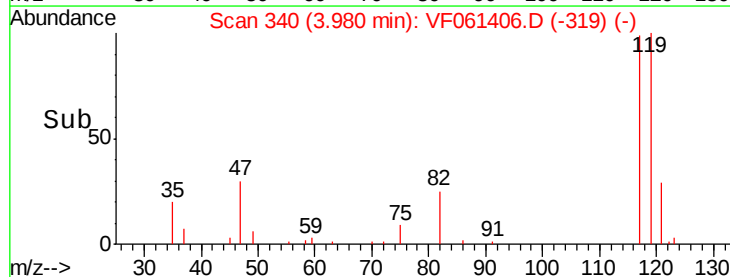
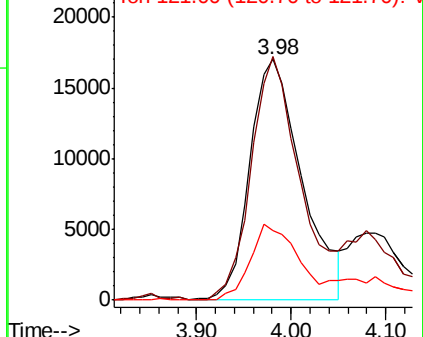
121 29.0 27.0 40.6



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

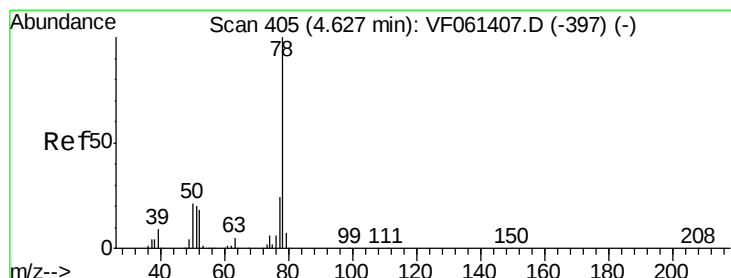
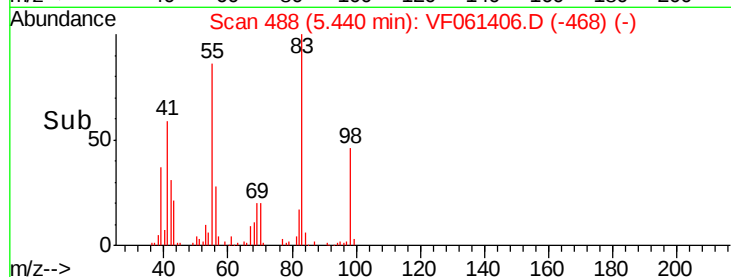
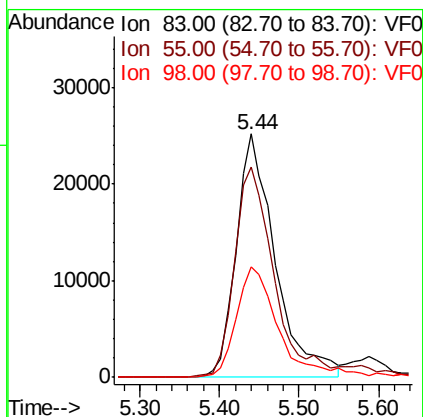
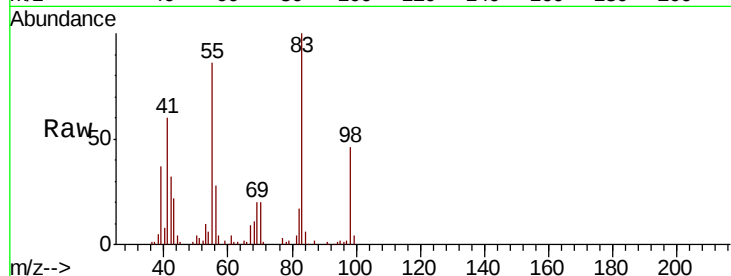




#39
Methylcyclohexane
Concen: 19.632 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

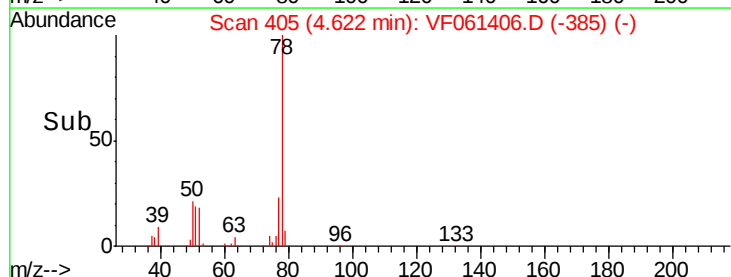
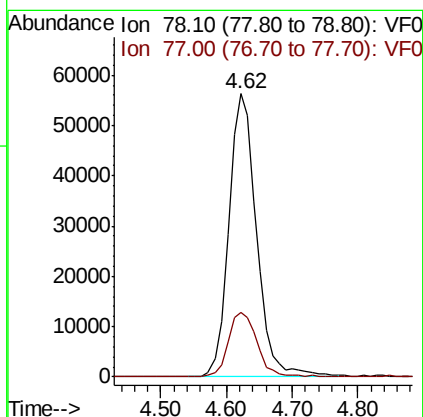
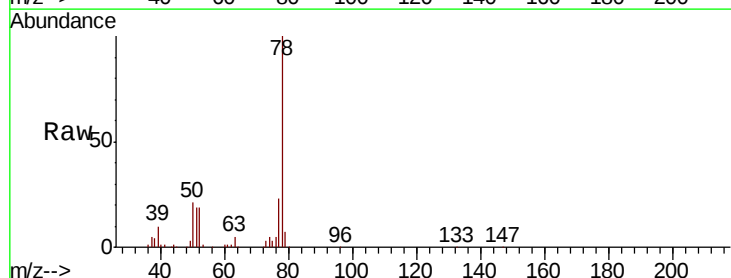
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

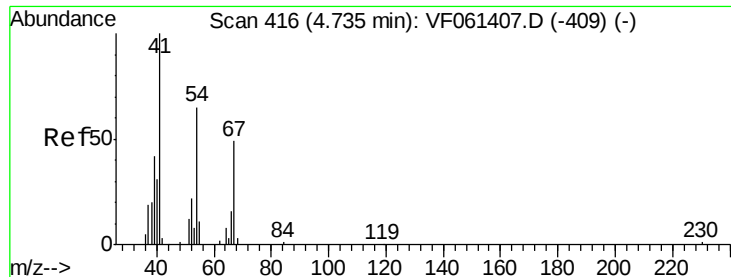
Tgt Ion: 83 Resp: 85373
Ion Ratio Lower Upper
83 100
55 86.2 67.4 101.2
98 45.6 36.7 55.1



#40
Benzene
Concen: 18.587 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 78 Resp: 166024
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6





#41

Methacrylonitrile

Concen: 19.405 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 16347

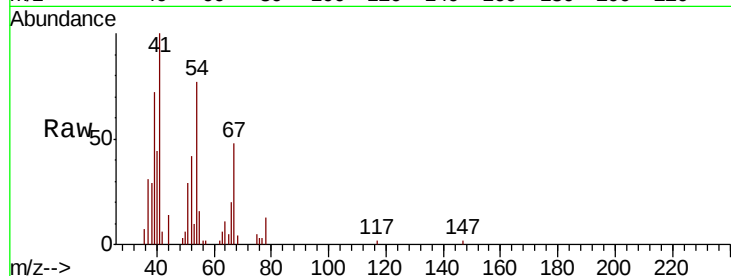
Ion Ratio Lower Upper

41 100

39 71.9 43.1 64.7#

67 47.9 38.8 58.2

52 42.2 33.2 49.8

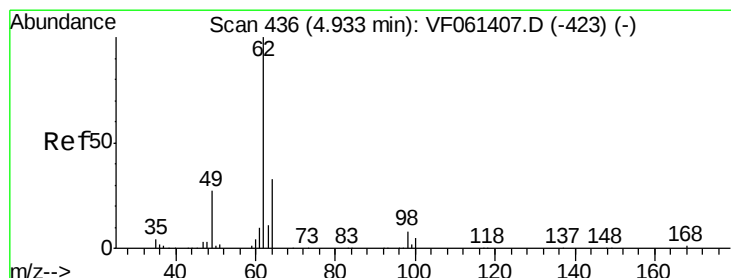
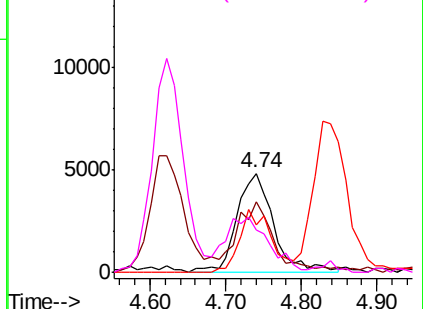
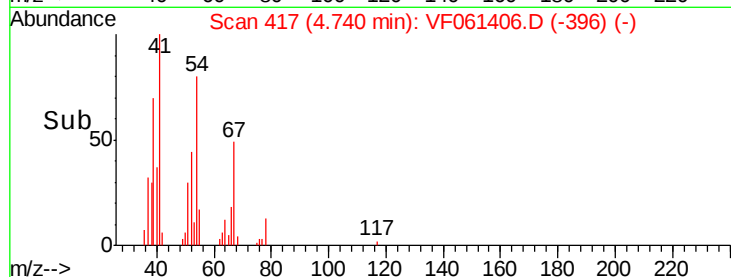


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 20.213 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.00 min

Lab File: VF061406.D

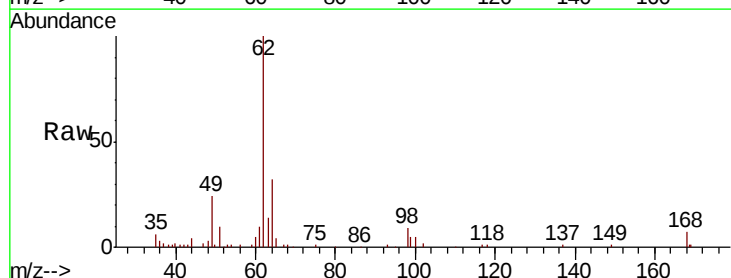
Acq: 15 Jan 2019 14:59

Tgt Ion: 62 Resp: 62577

Ion Ratio Lower Upper

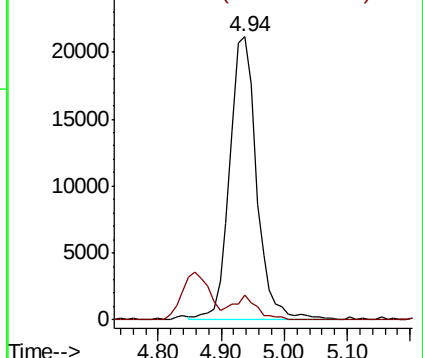
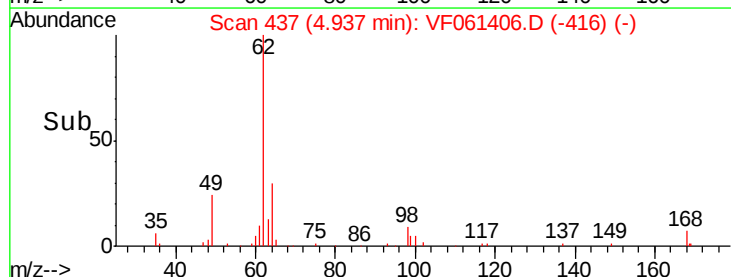
62 100

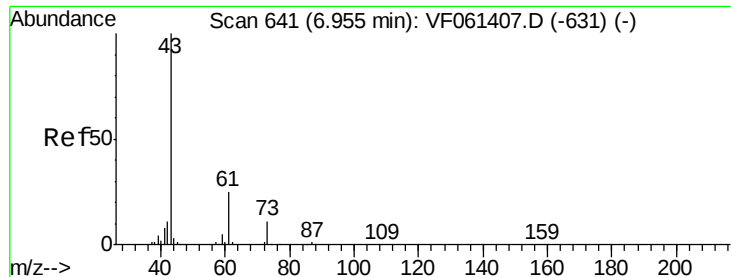
98 8.9 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



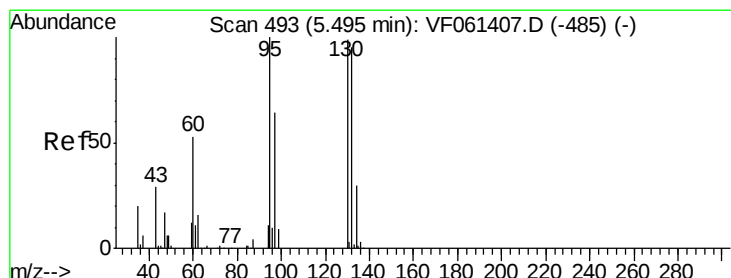
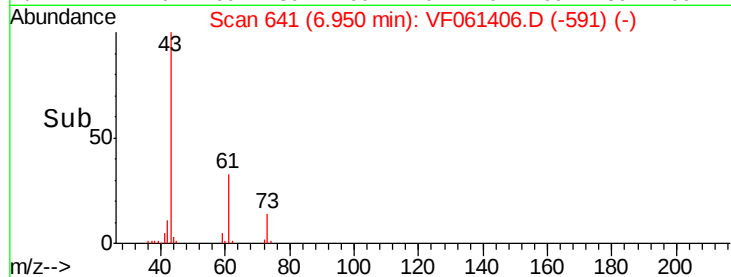
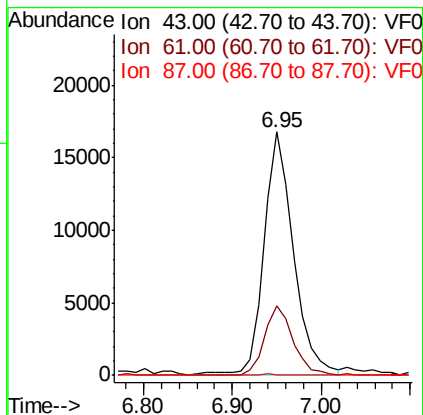
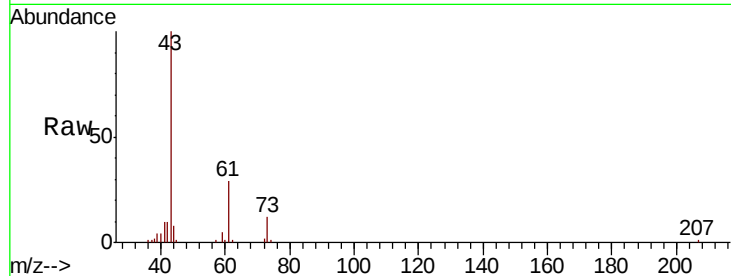


#43

Isopropyl Acetate
 Concen: 20.068 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

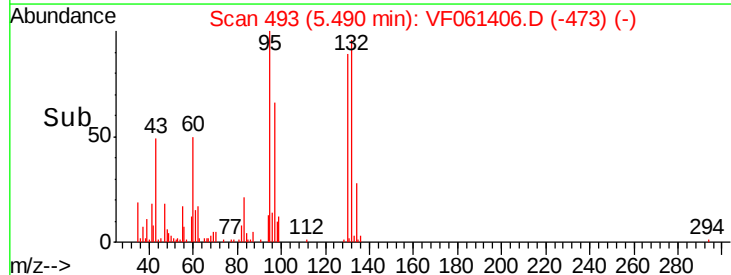
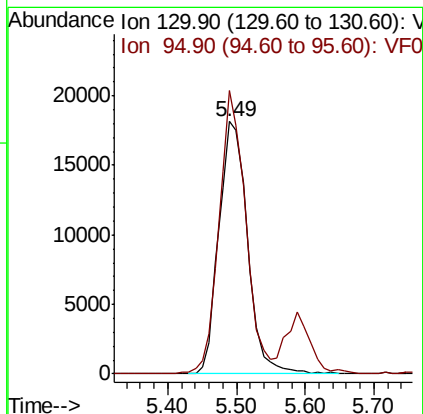
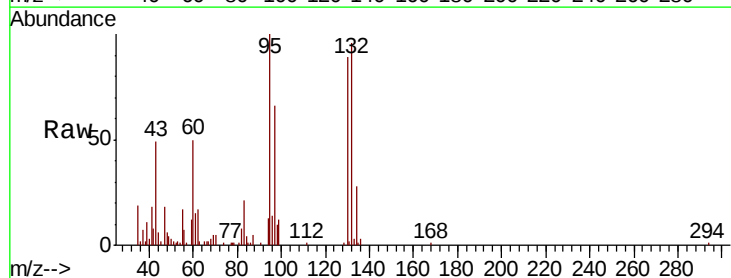
Tgt Ion: 43 Resp: 38376
 Ion Ratio Lower Upper
 43 100
 61 28.7 20.3 30.5
 87 0.0 0.5 0.7#

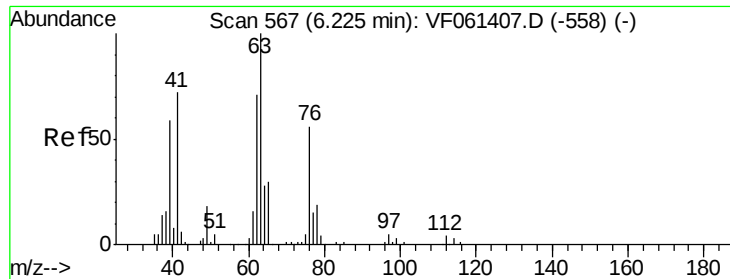


#44

Trichloroethene
 Concen: 19.086 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion: 130 Resp: 52374
 Ion Ratio Lower Upper
 130 100
 95 112.1 0.0 202.8





#45

1,2-Dichloropropane

Concen: 20.114 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

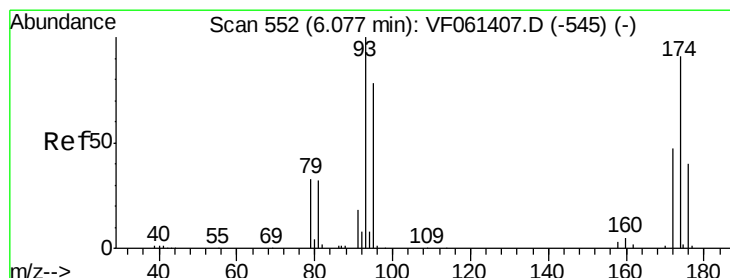
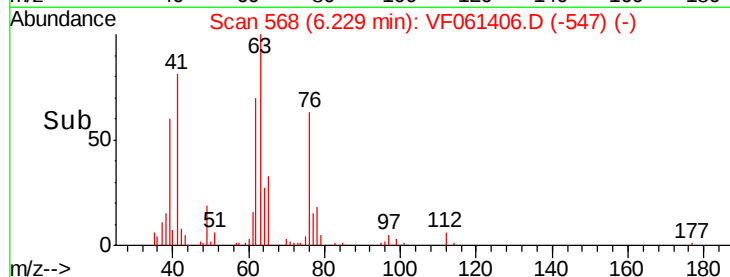
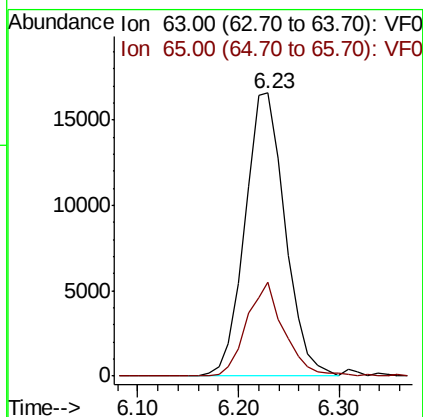
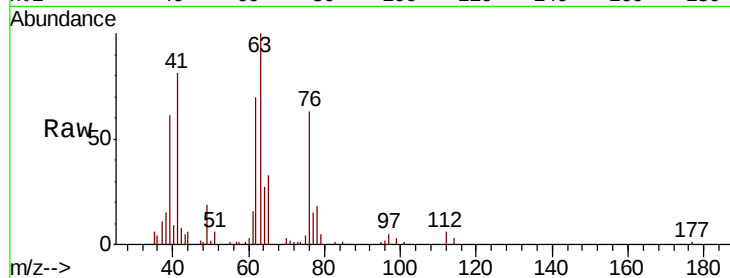
VSTDIC020

Tgt Ion: 63 Resp: 46056

Ion Ratio Lower Upper

63 100

65 33.2 24.4 36.6



#46

Dibromomethane

Concen: 19.219 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

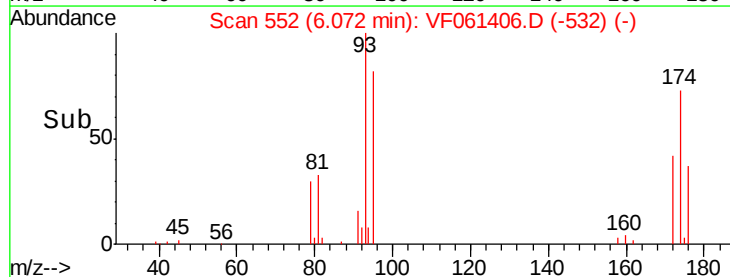
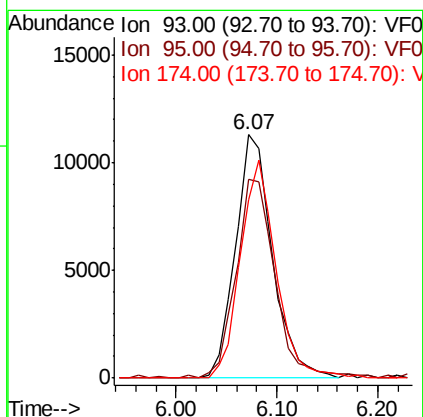
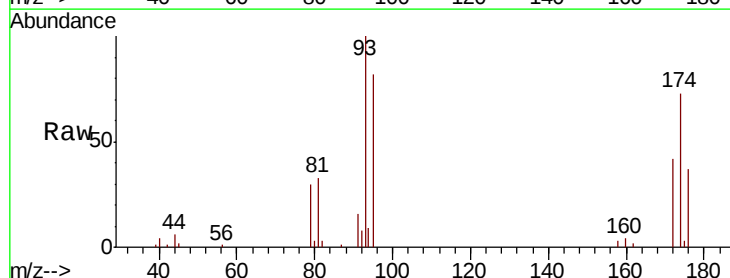
Tgt Ion: 93 Resp: 28851

Ion Ratio Lower Upper

93 100

95 81.9 62.1 93.1

174 73.3 74.6 111.8#





#47

Bromodichloromethane

Concen: 20.009 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

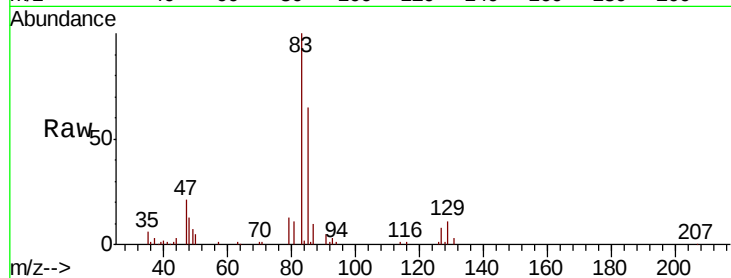
Tgt Ion: 83 Resp: 73496

Ion Ratio Lower Upper

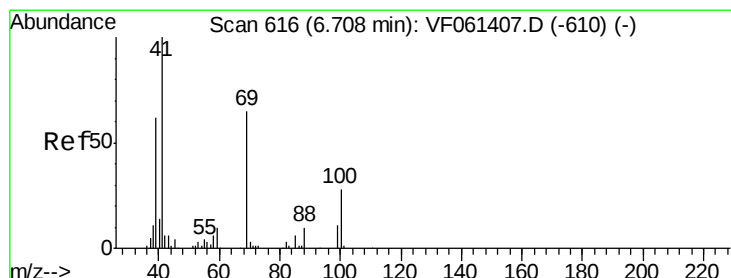
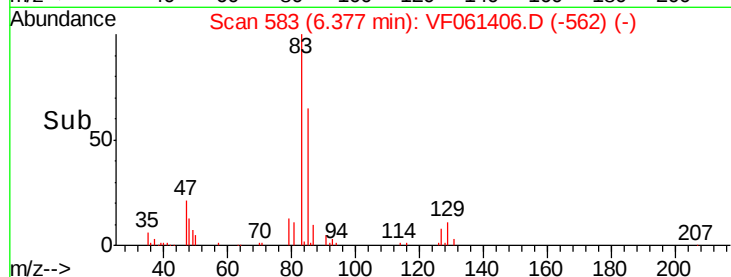
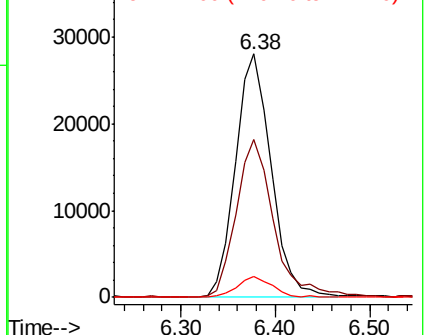
83 100

85 64.7 53.0 79.4

127 8.5 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.627 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

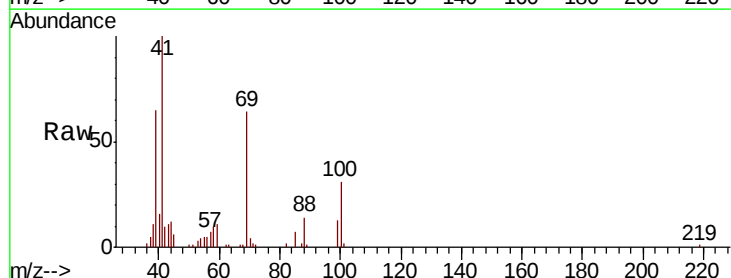
Tgt Ion: 41 Resp: 25340

Ion Ratio Lower Upper

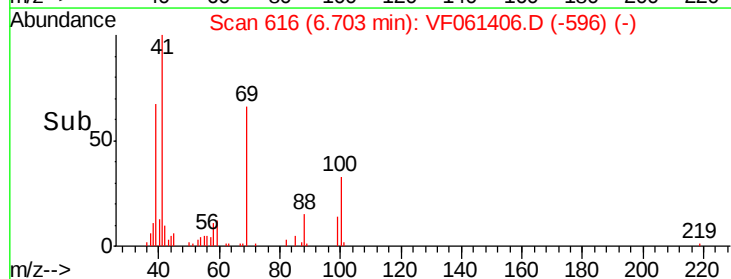
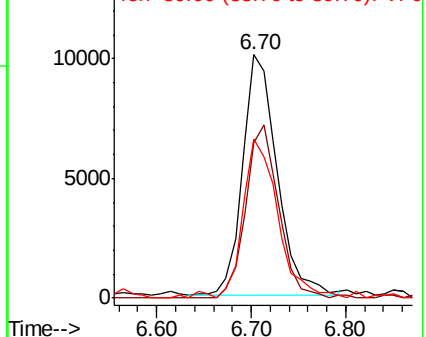
41 100

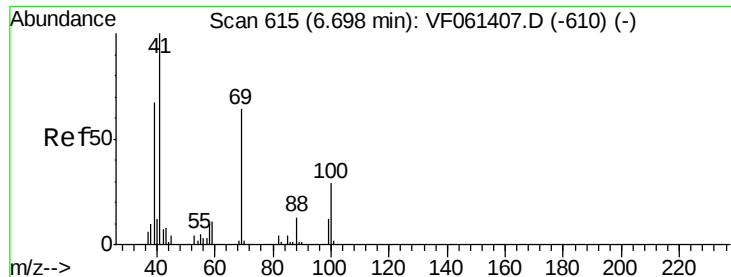
69 63.6 51.7 77.5

39 65.3 49.2 73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

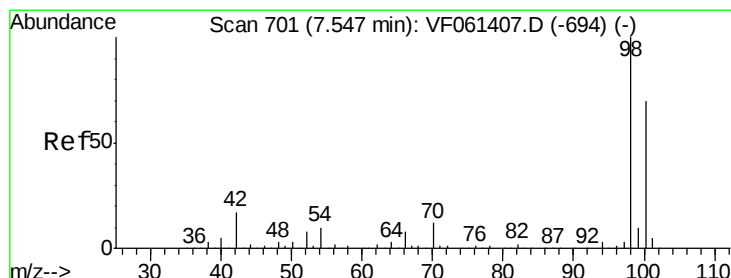
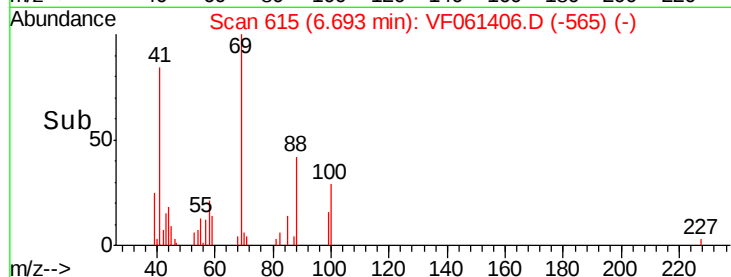
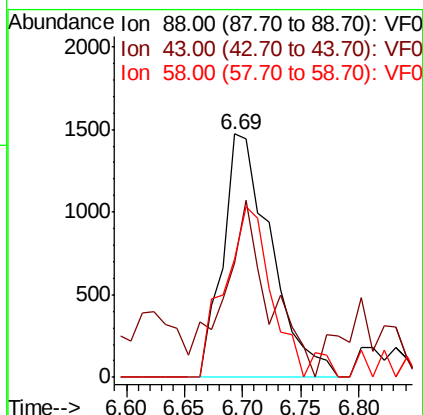
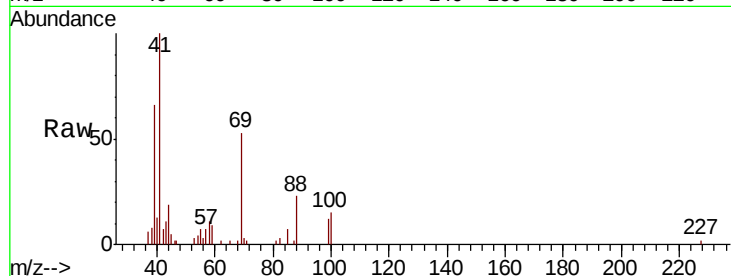




#49
1,4-Dioxane
Concen: 439.589 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

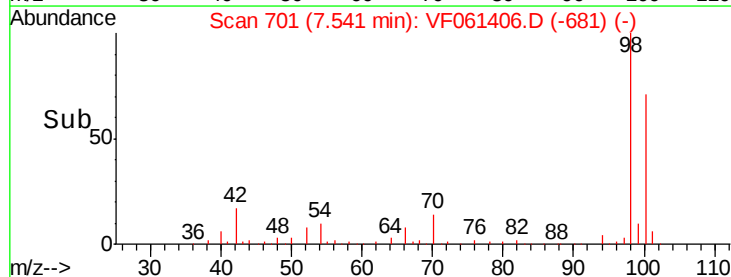
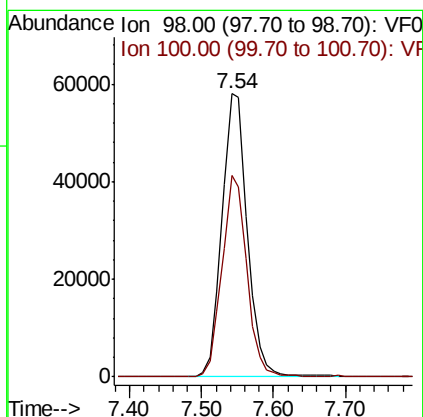
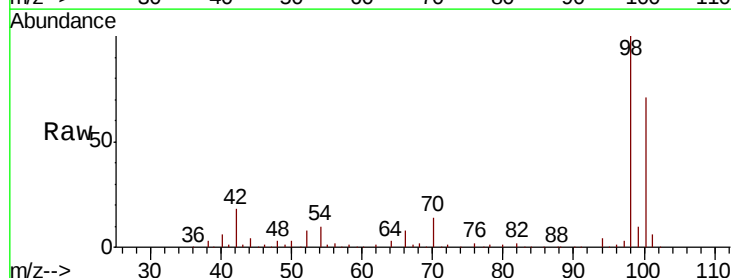
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

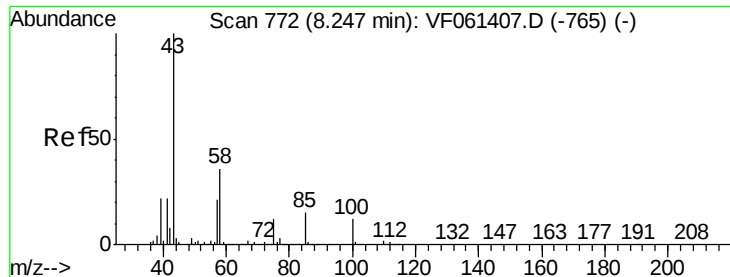
Tgt Ion: 88 Resp: 4239
Ion Ratio Lower Upper
88 100
43 46.8 55.5 83.3#
58 48.7 59.9 89.9#



#50
Toluene-d8
Concen: 19.515 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 98 Resp: 141640
Ion Ratio Lower Upper
98 100
100 71.0 55.6 83.4

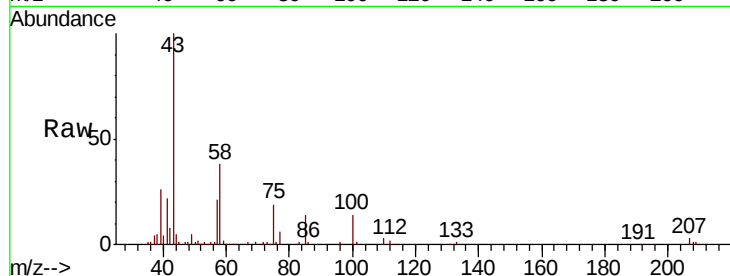




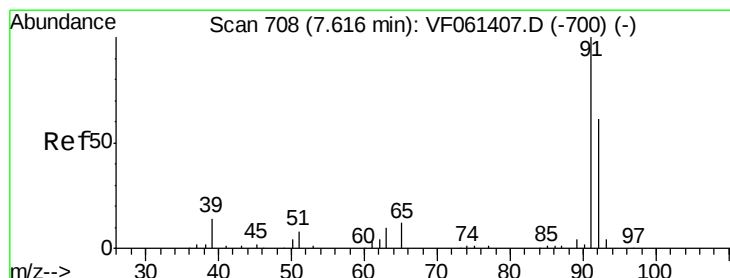
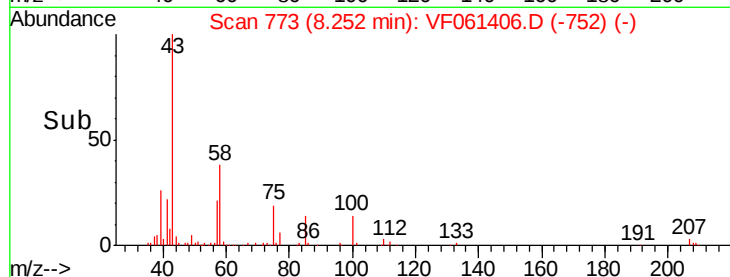
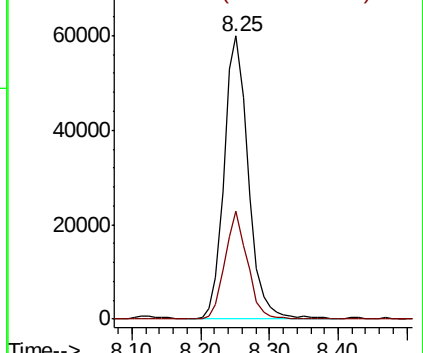
#51
 4-Methyl-2-Pentanone
 Concen: 97.968 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 146721
 Ion Ratio Lower Upper
 43 100
 58 38.1 28.8 43.2

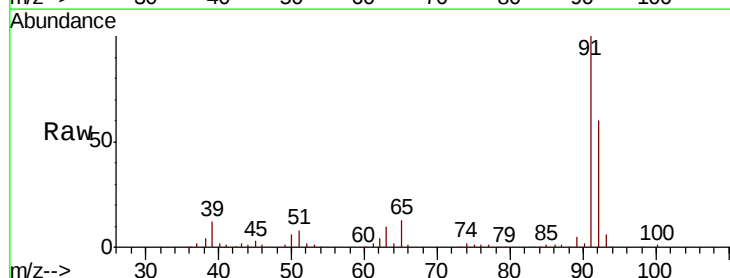


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

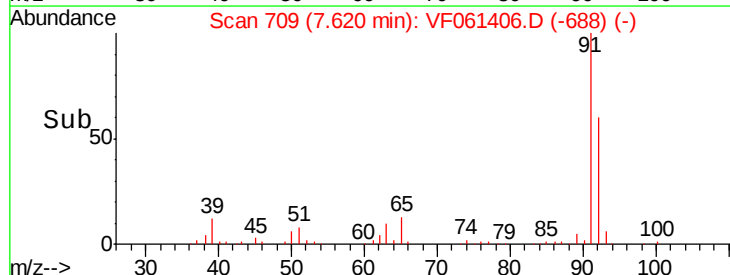
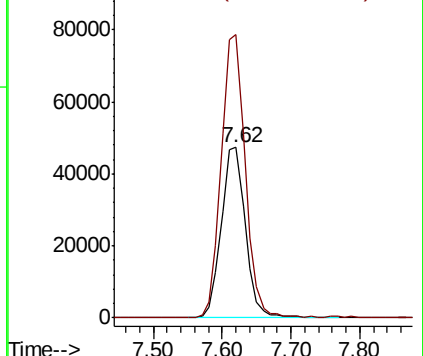


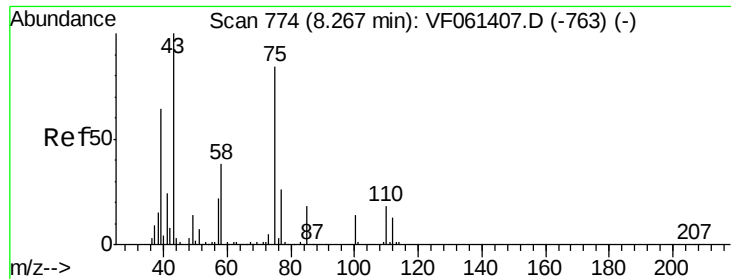
#52
 Toluene
 Concen: 19.460 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion: 92 Resp: 115428
 Ion Ratio Lower Upper
 92 100
 91 166.4 131.2 196.8



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: 20.165 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

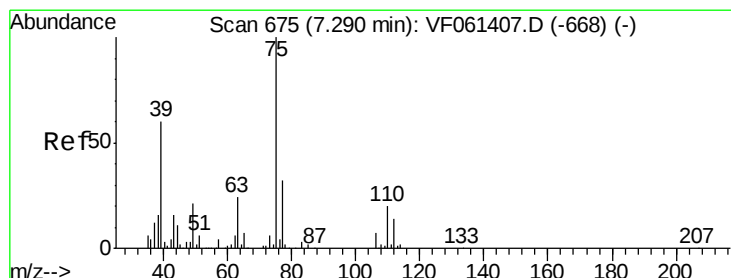
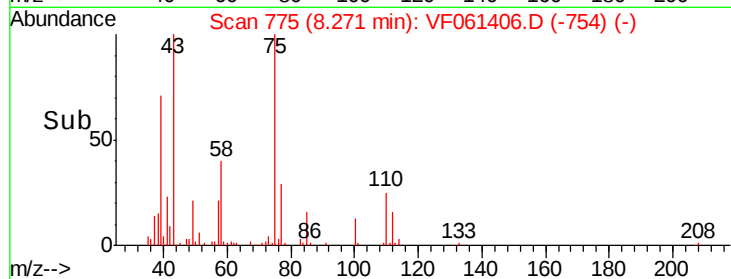
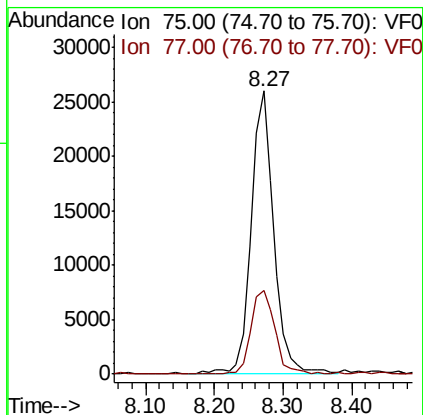
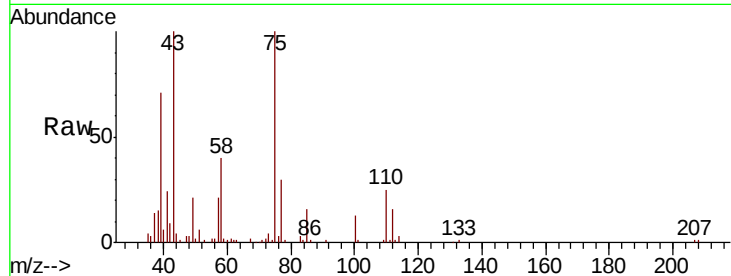
VSTDIC020

Tgt Ion: 75 Resp: 59755

Ion Ratio Lower Upper

75 100

77 29.7 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.400 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

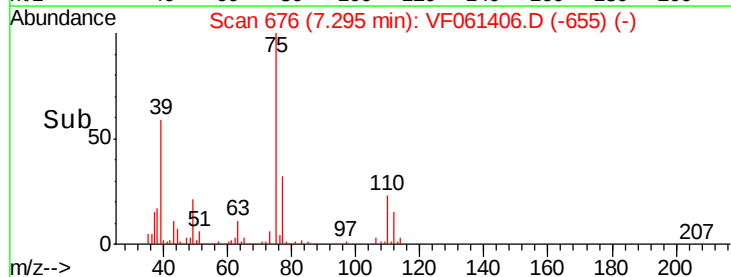
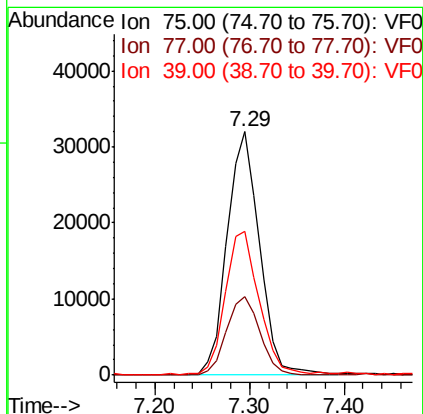
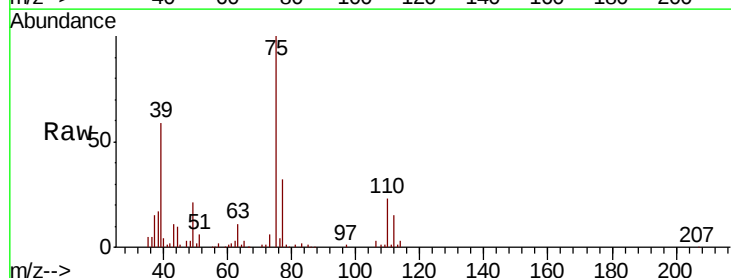
Tgt Ion: 75 Resp: 76034

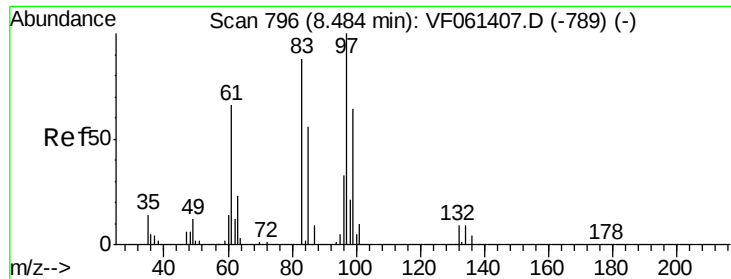
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 59.2 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 21.142 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 34082

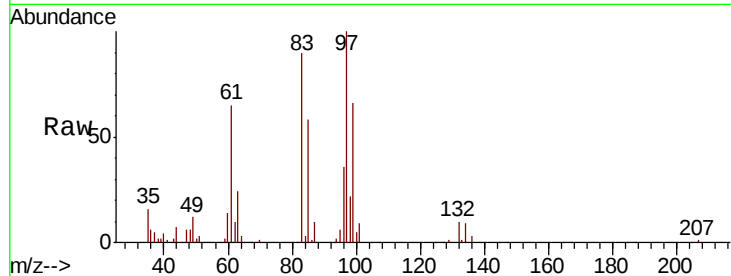
Ion Ratio Lower Upper

97 100

83 89.5 70.4 105.6

85 57.8 44.7 67.1

99 66.0 50.8 76.2

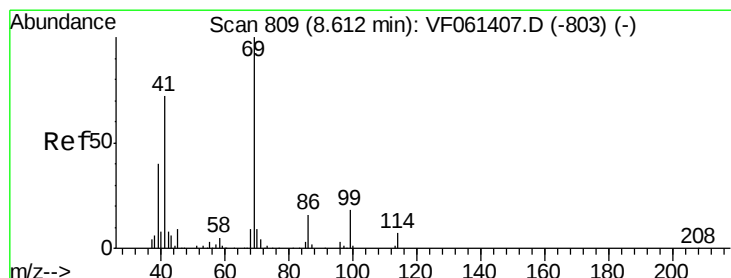
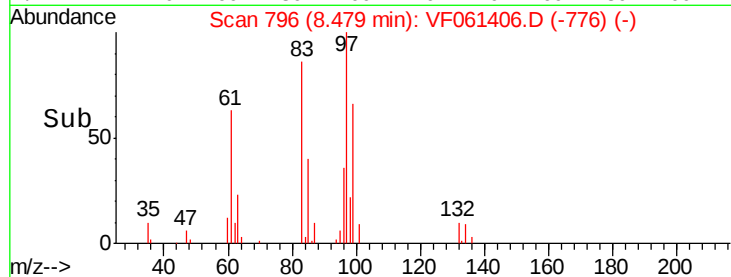
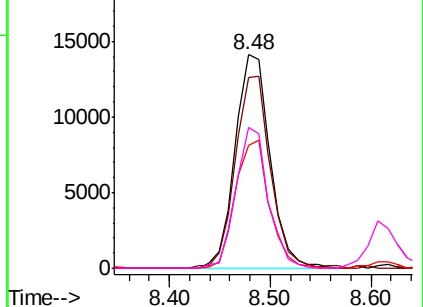


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.615 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

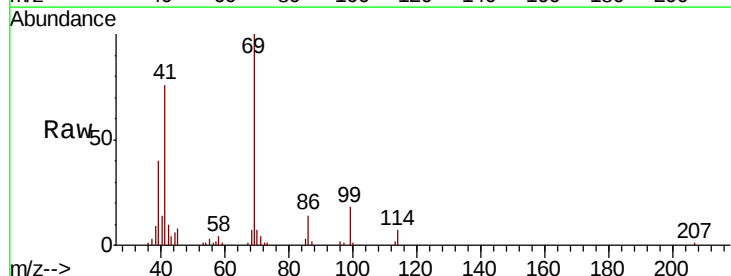
Tgt Ion: 69 Resp: 36237

Ion Ratio Lower Upper

69 100

41 75.7 57.5 86.3

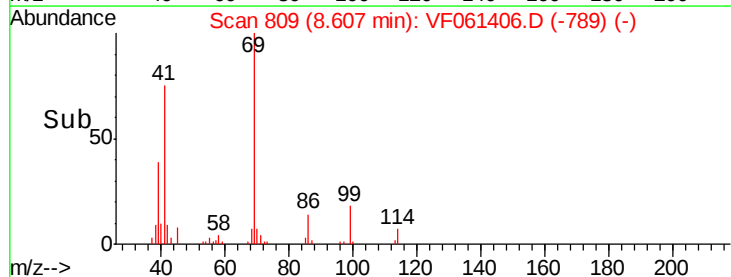
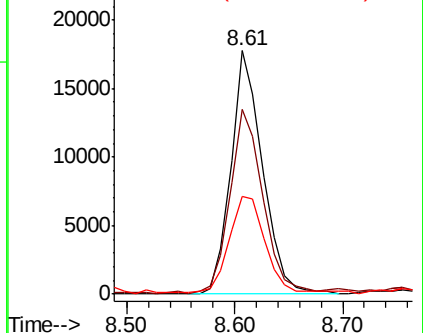
39 40.3 32.0 48.0

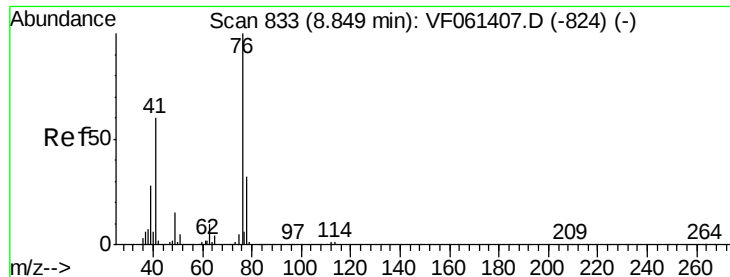


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.930 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

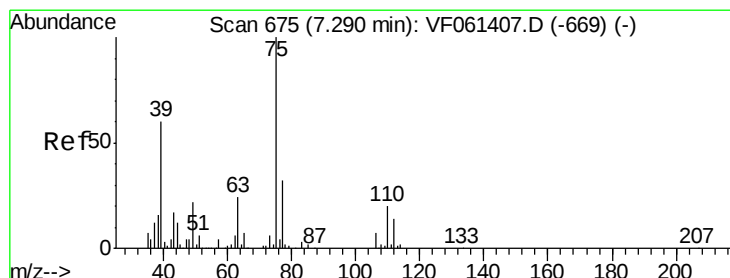
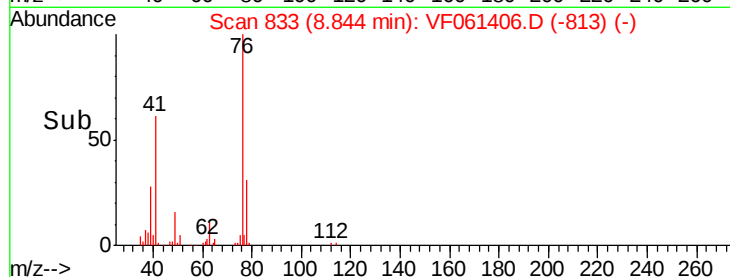
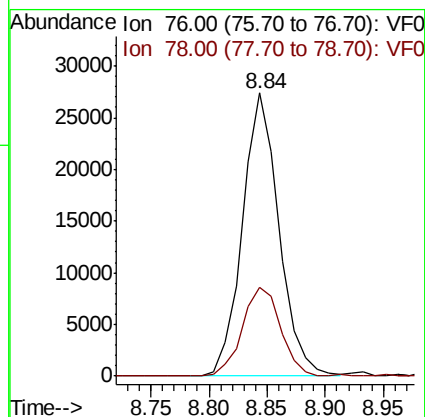
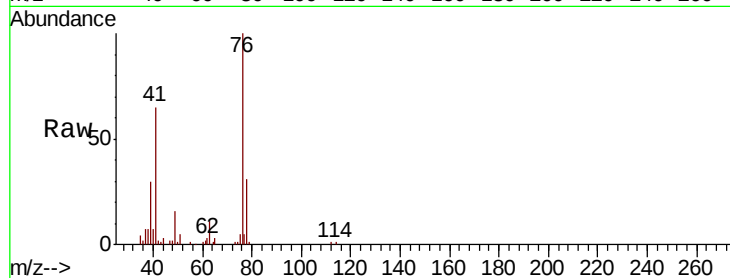
VSTDIC020

Tgt Ion: 76 Resp: 59599

Ion Ratio Lower Upper

76 100

78 31.2 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 83.773 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061406.D

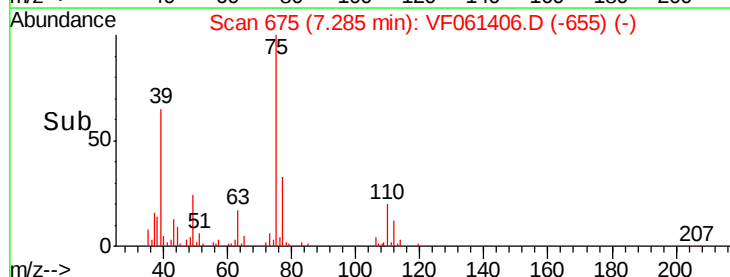
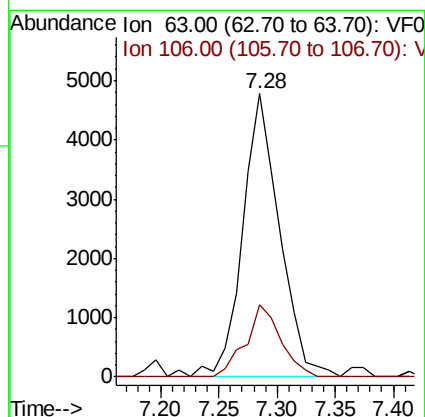
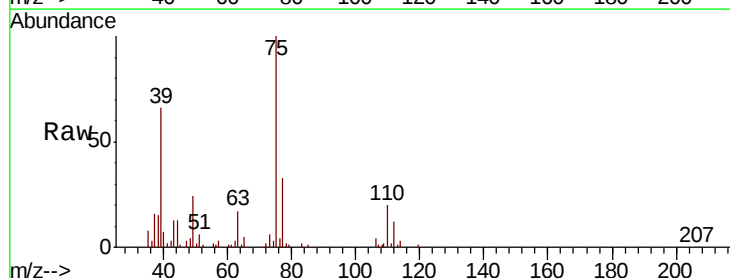
Acq: 15 Jan 2019 14:59

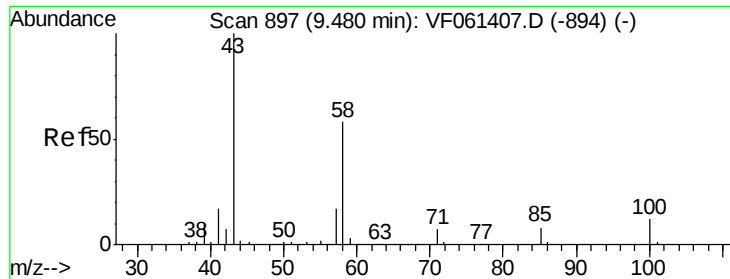
Tgt Ion: 63 Resp: 10470

Ion Ratio Lower Upper

63 100

106 25.7 21.9 32.9

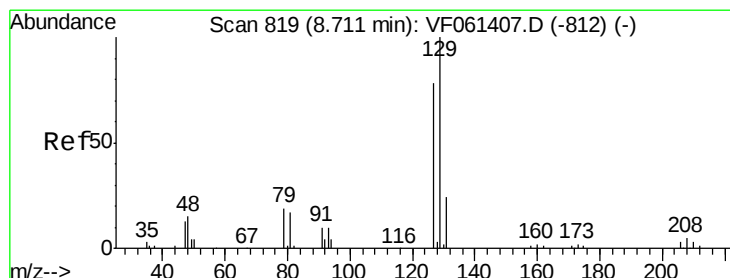
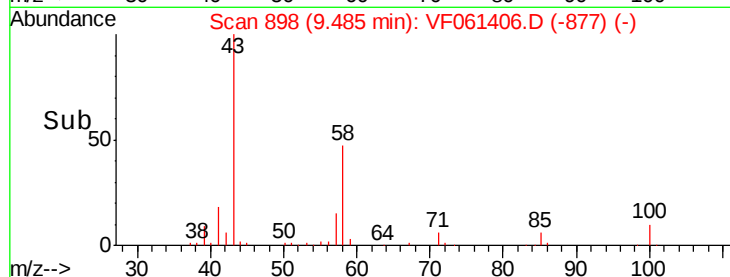
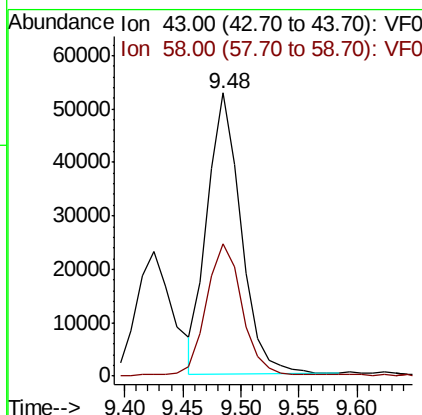
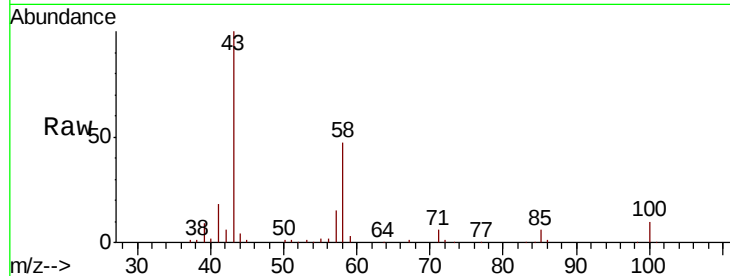




#59
2-Hexanone
Concen: 101.938 ug/l
RT: 9.48 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

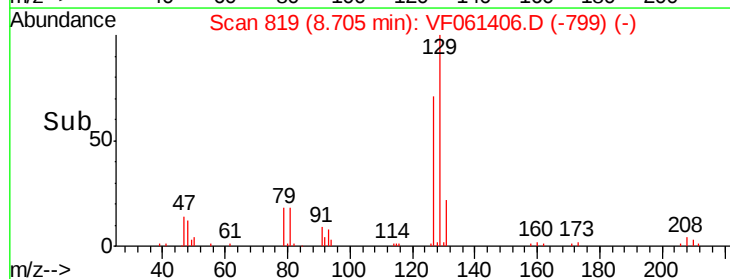
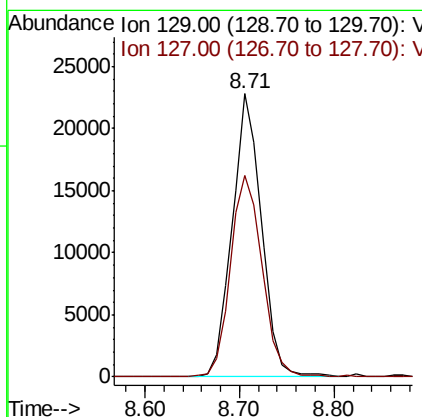
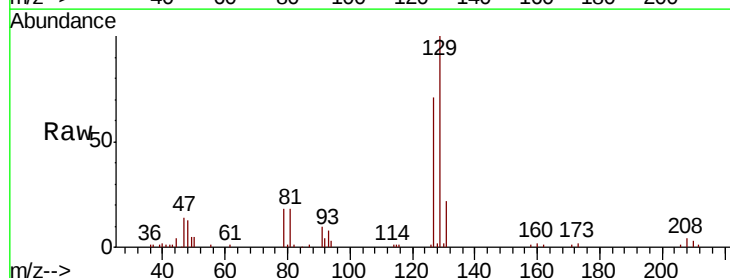
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

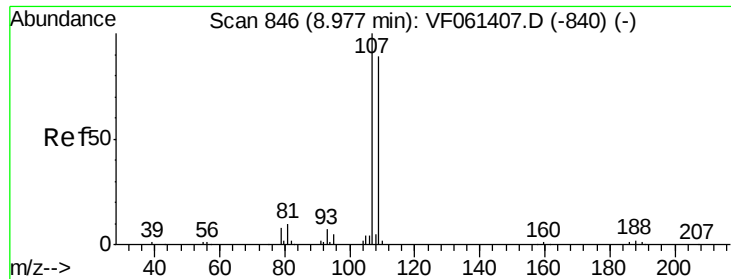
Tgt Ion: 43 Resp: 106267
Ion Ratio Lower Upper
43 100
58 46.9 25.9 77.6



#60
Dibromochloromethane
Concen: 21.318 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 129 Resp: 48845
Ion Ratio Lower Upper
129 100
127 71.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.636 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

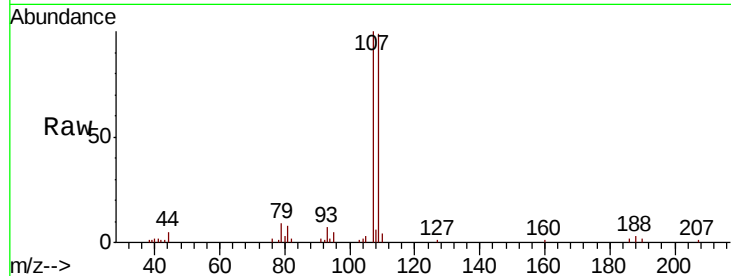
VSTDIC020

Tgt Ion:107 Resp: 36218

Ion Ratio Lower Upper

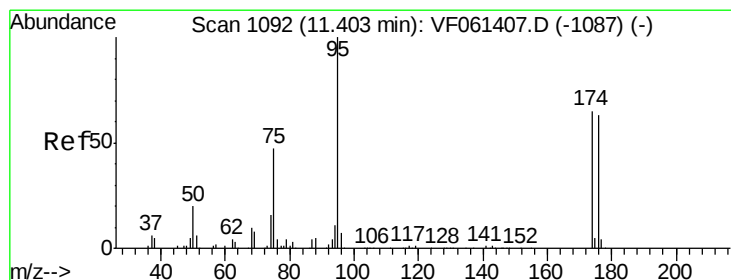
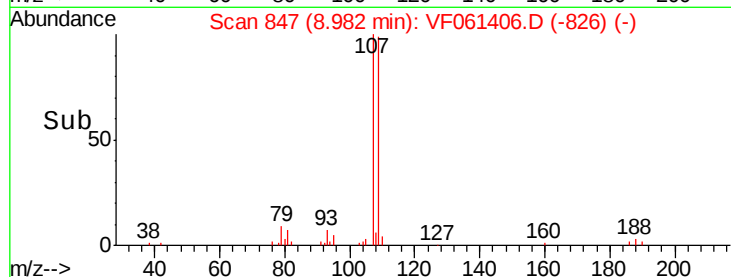
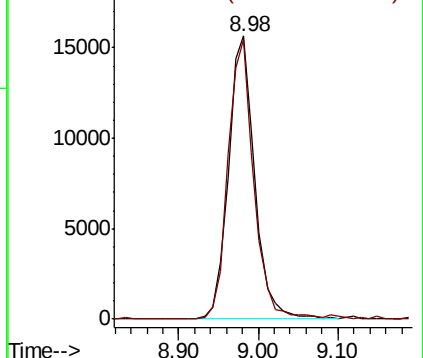
107 100

109 98.9 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 18.556 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

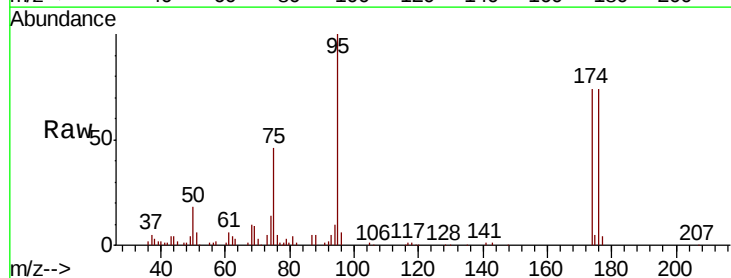
Tgt Ion: 95 Resp: 65064

Ion Ratio Lower Upper

95 100

174 74.2 0.0 130.4

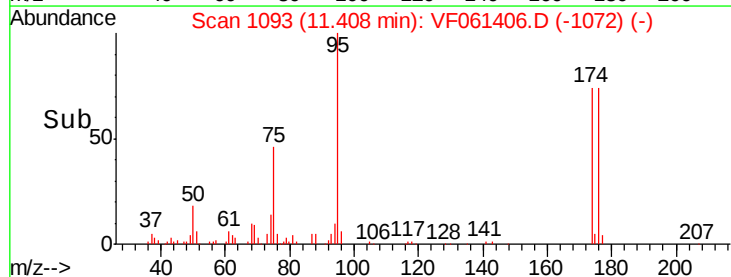
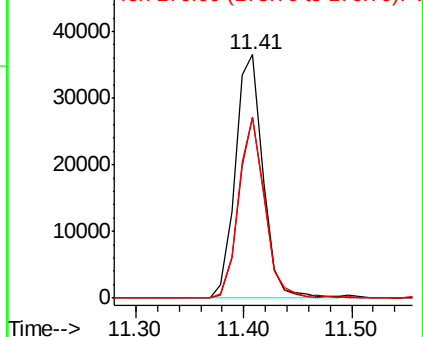
176 74.3 0.0 126.2



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: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

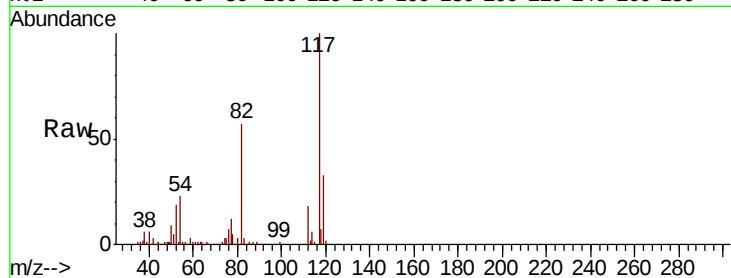
Tgt Ion:117 Resp: 299345

Ion Ratio Lower Upper

117 100

82 57.0 46.4 69.6

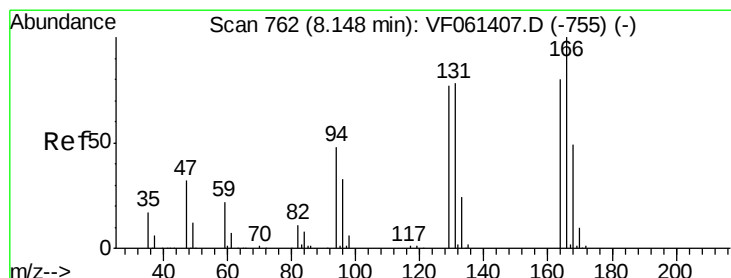
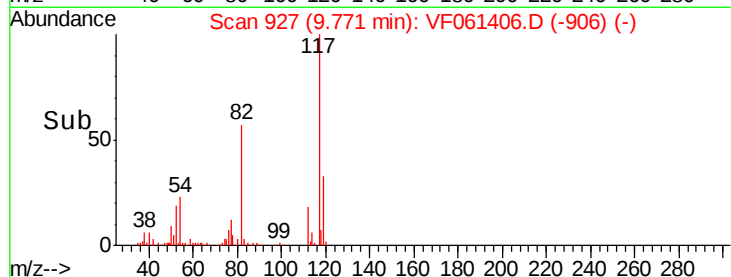
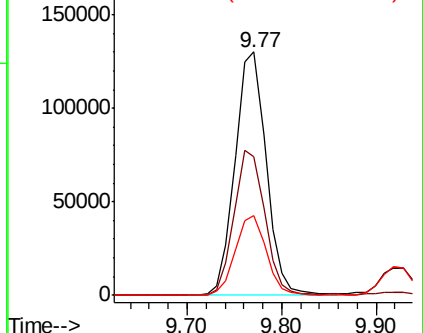
119 32.5 27.2 40.8



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: 19.807 ug/l

RT: 8.14 min Scan# 762

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion:164 Resp: 45166

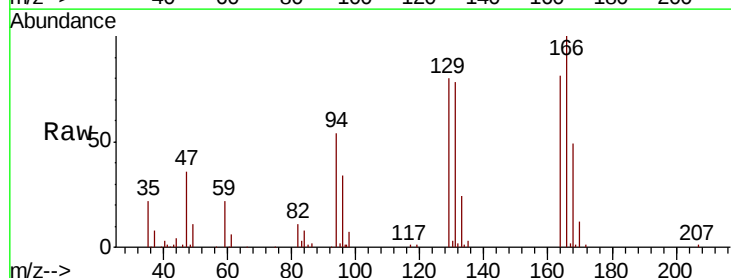
Ion Ratio Lower Upper

164 100

166 123.6 99.6 149.4

129 98.8 76.4 114.6

131 96.6 77.9 116.9

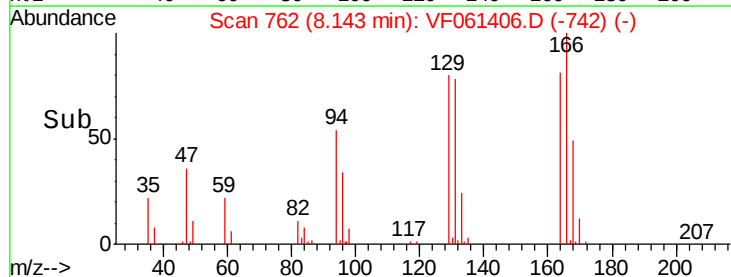
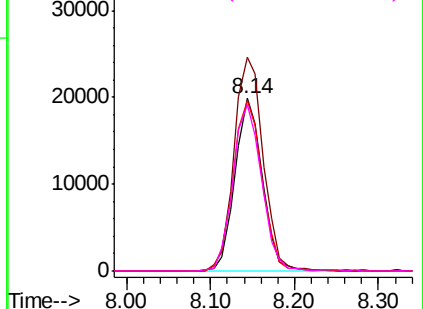


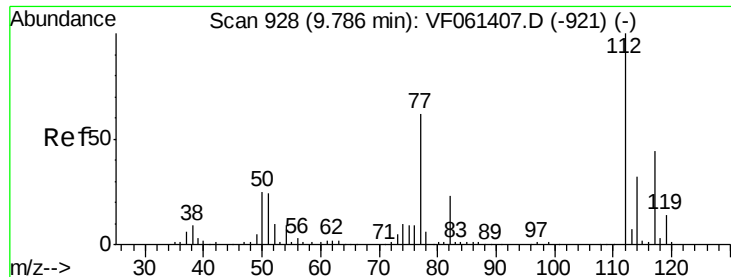
Abundance Ion 163.85 (163.55 to 164.55): V

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

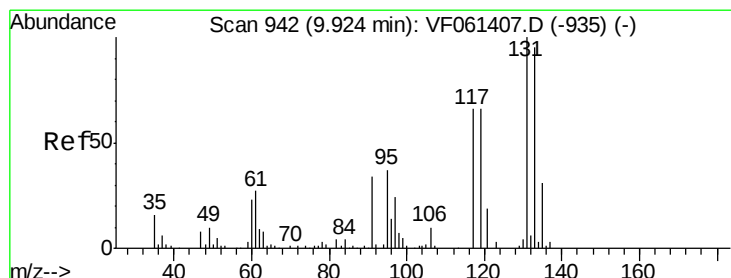
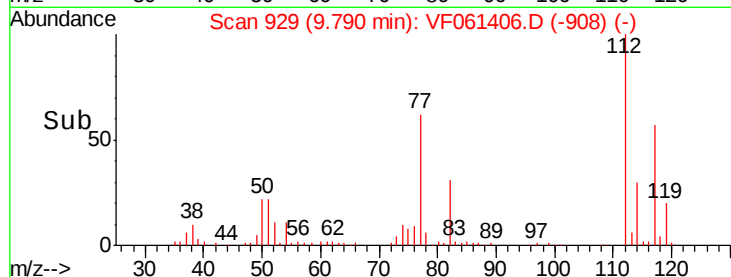
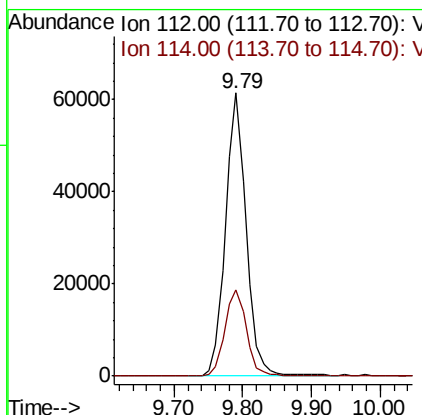
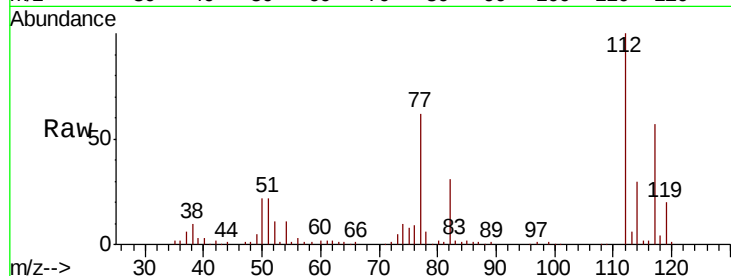




#65
Chlorobenzene
Concen: 20.187 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

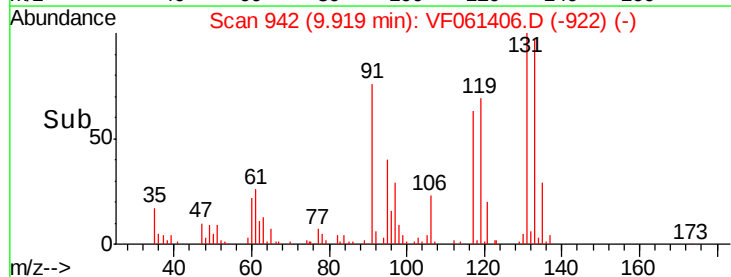
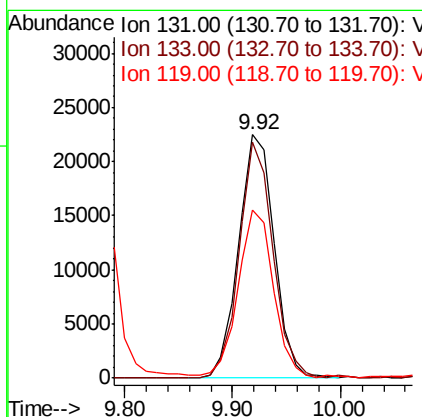
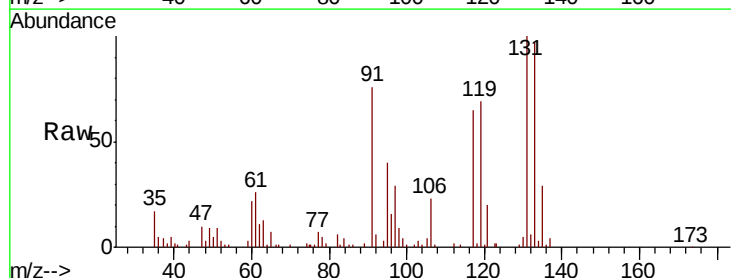
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

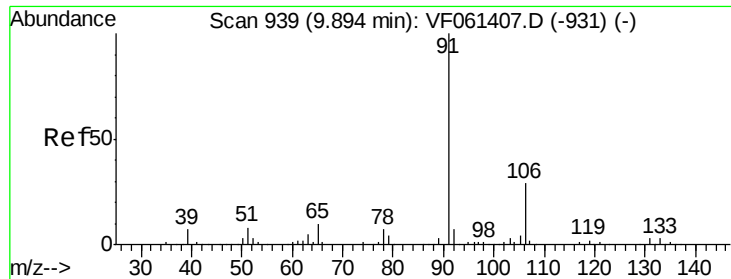
Tgt Ion:112 Resp: 128062
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.681 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion:131 Resp: 51356
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 69.3 33.1 99.3

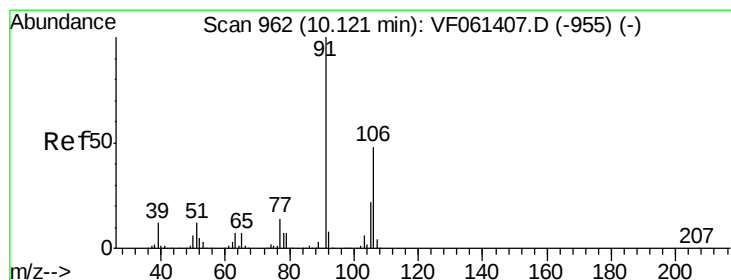
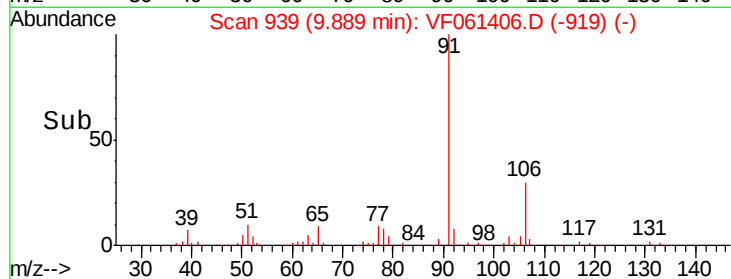
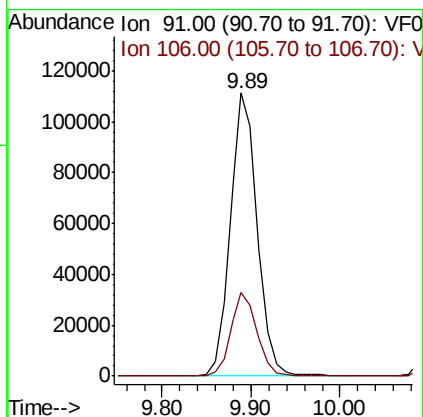
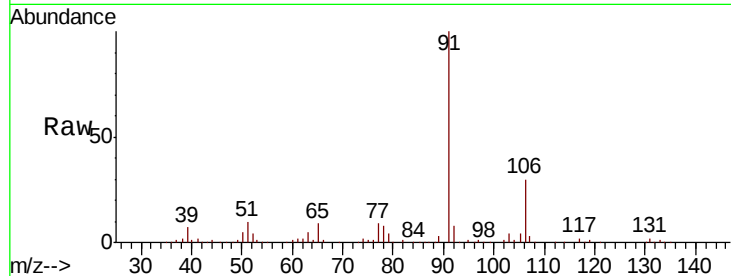




#67
Ethyl Benzene
Concen: 20.069 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

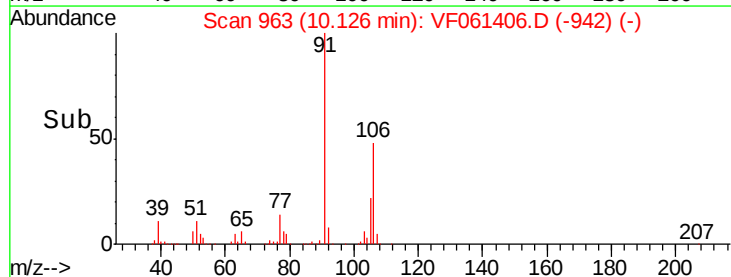
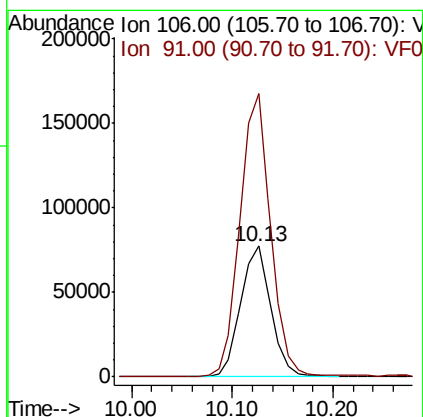
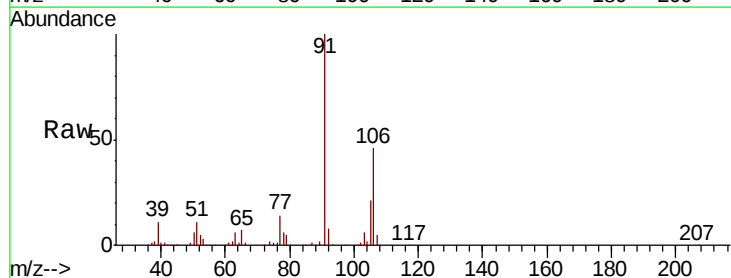
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

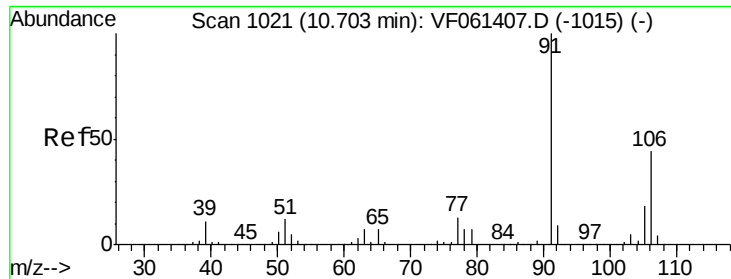
Tgt Ion: 91 Resp: 235724
Ion Ratio Lower Upper
91 100
106 29.5 23.1 34.7



#68
m/p-Xylenes
Concen: 38.454 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 106 Resp: 162950
Ion Ratio Lower Upper
106 100
91 216.1 166.2 249.4

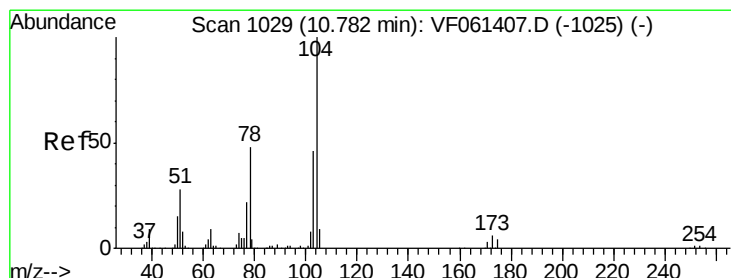
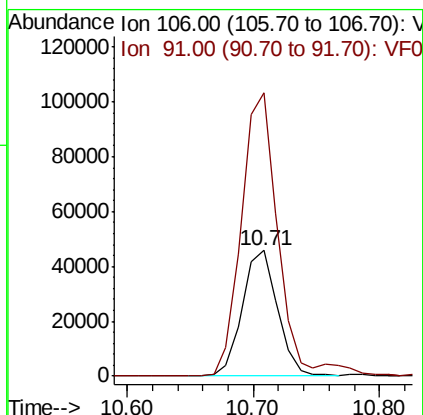
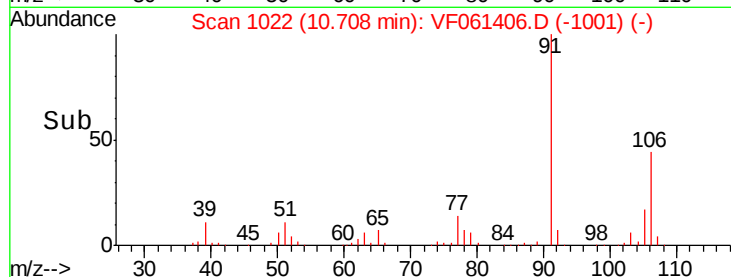
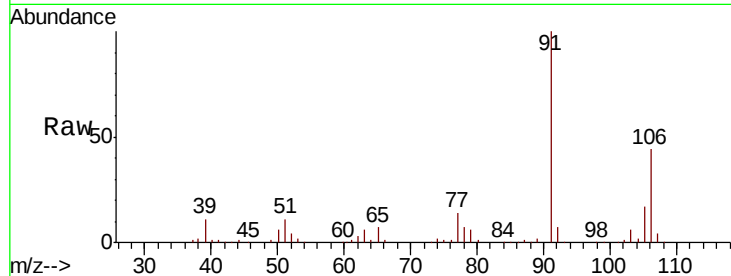




#69
o-Xylene
Concen: 19.718 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

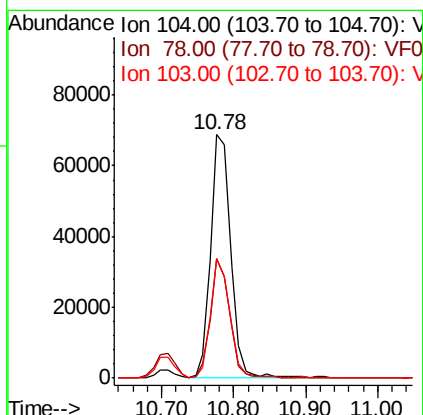
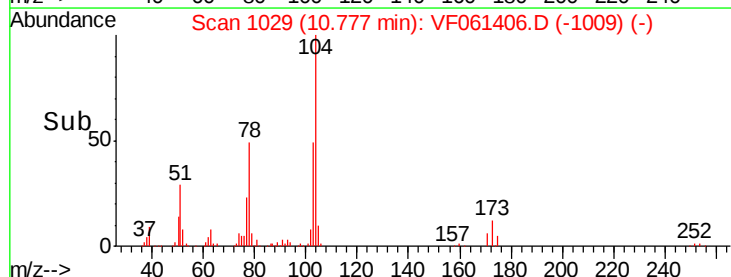
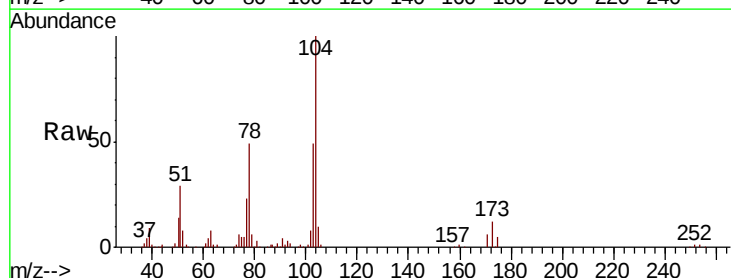
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

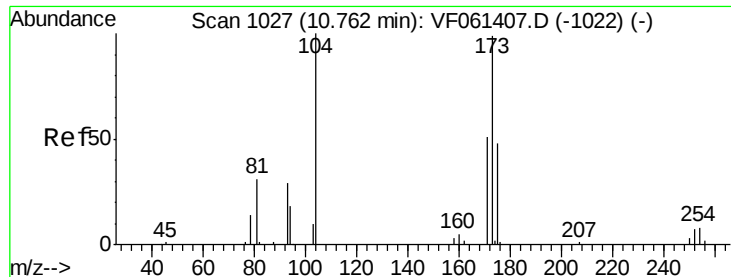
Tgt Ion:106 Resp: 89248
Ion Ratio Lower Upper
106 100
91 225.8 113.3 339.8



#70
Styrene
Concen: 20.918 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion:104 Resp: 131412
Ion Ratio Lower Upper
104 100
78 49.0 38.8 58.2
103 48.8 37.0 55.6





#71

Bromoform

Concen: 16.916 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

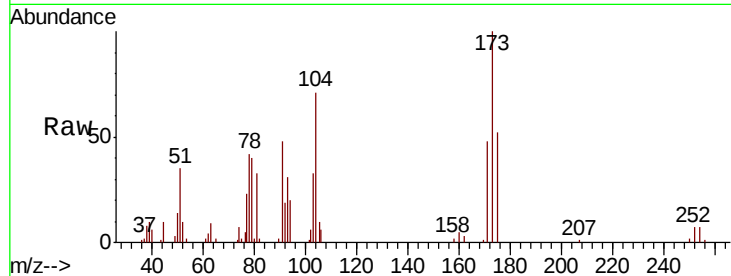
Tgt Ion:173 Resp: 18103

Ion Ratio Lower Upper

173 100

175 52.0 24.1 72.4

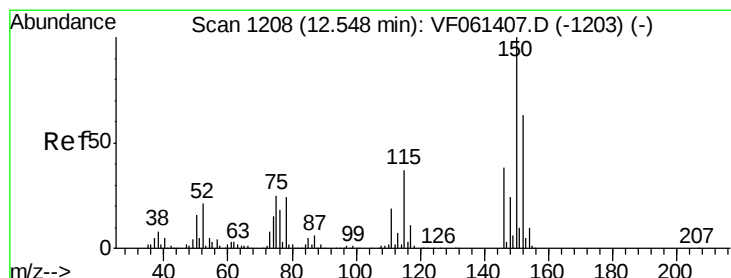
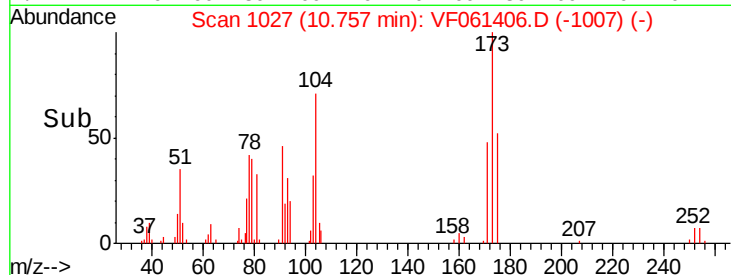
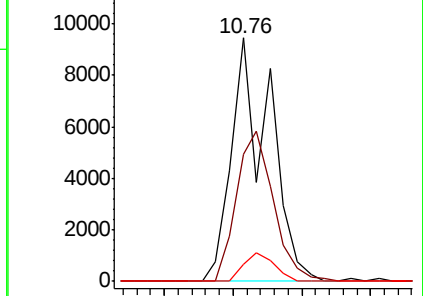
254 6.9 0.0 0.0#



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: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

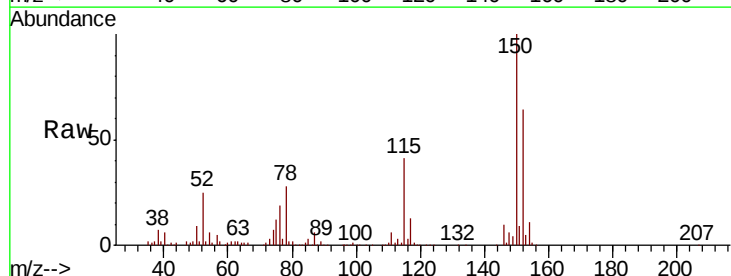
Tgt Ion:152 Resp: 164161

Ion Ratio Lower Upper

152 100

115 64.6 30.0 90.0

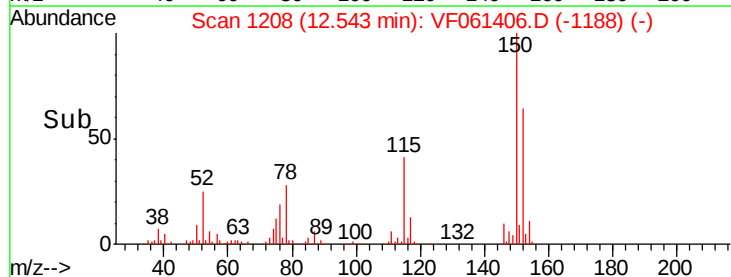
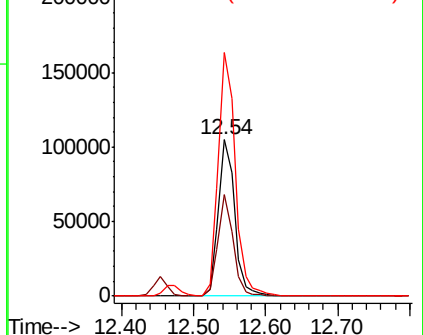
150 155.8 0.0 321.4

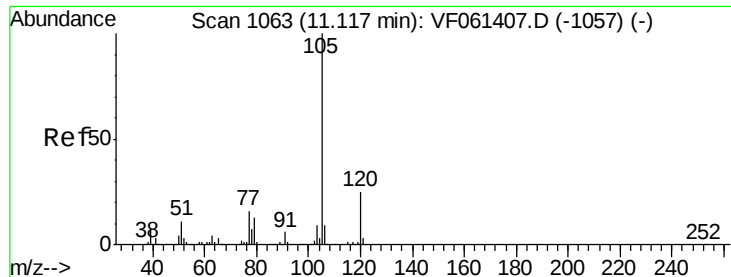


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.816 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

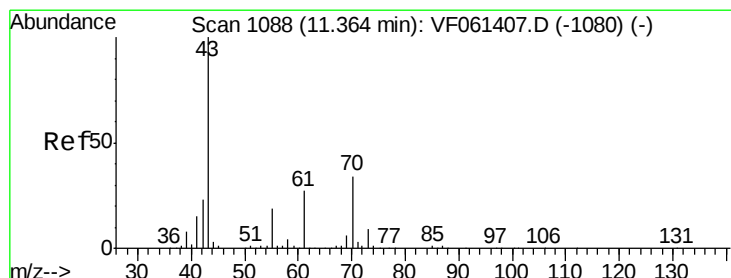
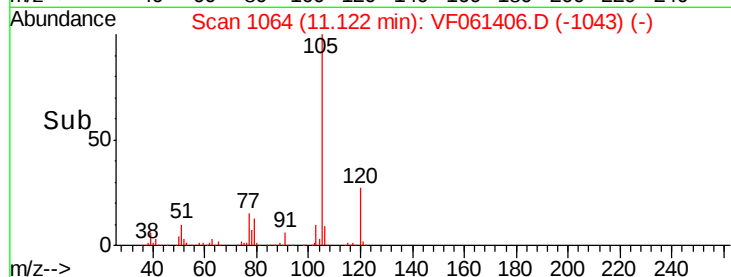
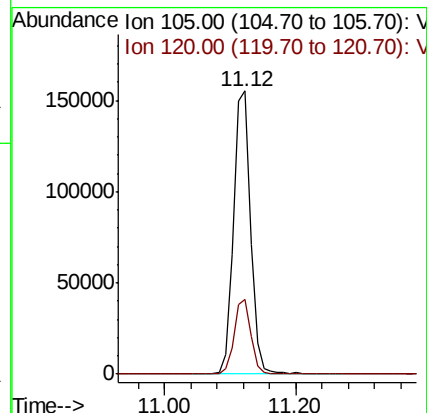
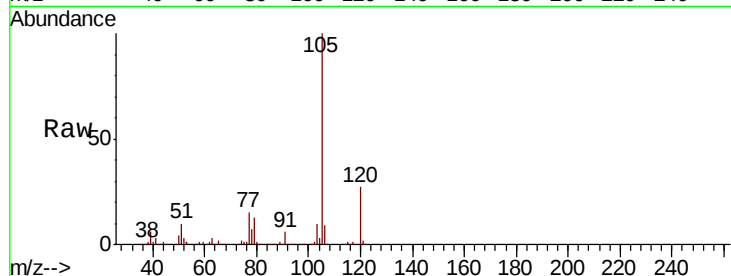
VSTDIC020

Tgt Ion: 105 Resp: 284115

Ion Ratio Lower Upper

105 100

120 26.6 12.6 37.8



#74

N-ethyl acetate

Concen: 21.172 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Tgt Ion: 43 Resp: 69719

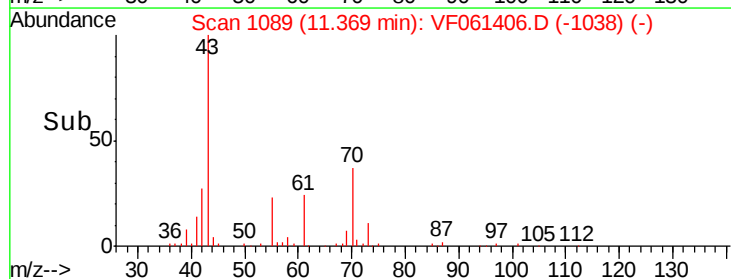
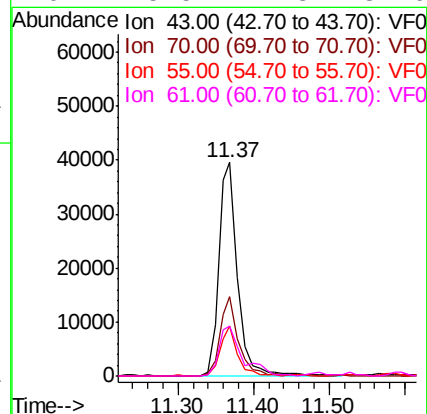
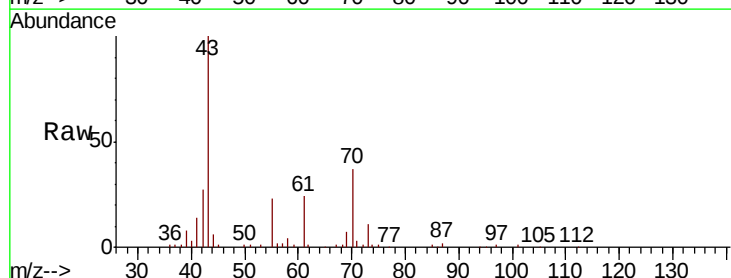
Ion Ratio Lower Upper

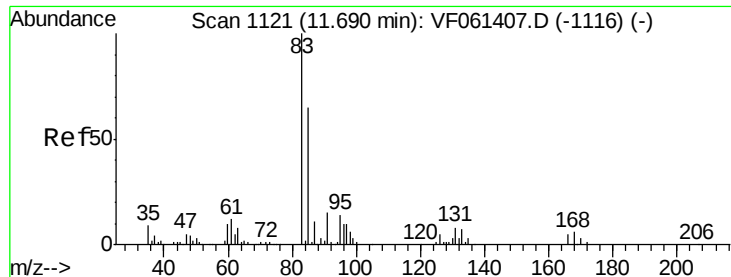
43 100

70 36.9 27.6 41.4

55 23.4 15.4 23.2#

61 23.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.249 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

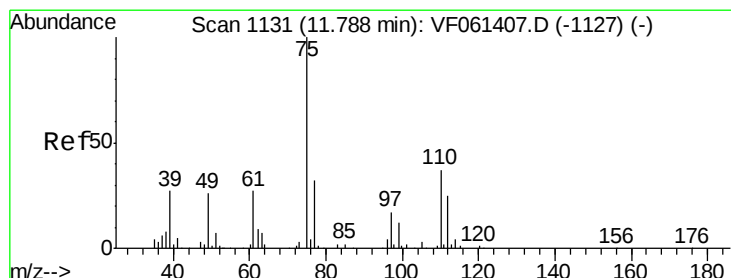
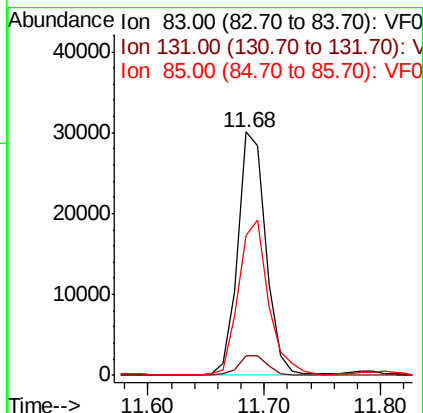
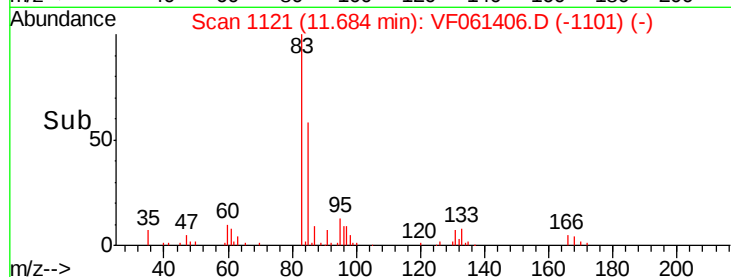
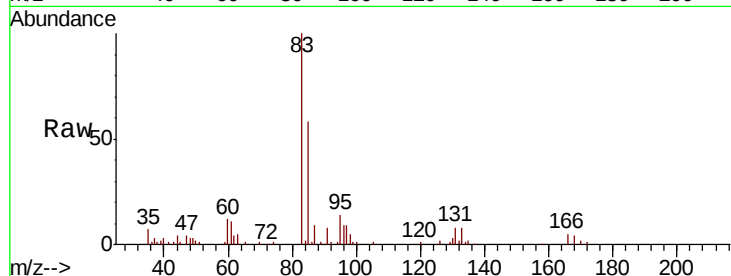
Tgt Ion: 83 Resp: 50492

Ion Ratio Lower Upper

83 100

131 7.8 4.0 12.2

85 57.5 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 19.439 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061406.D

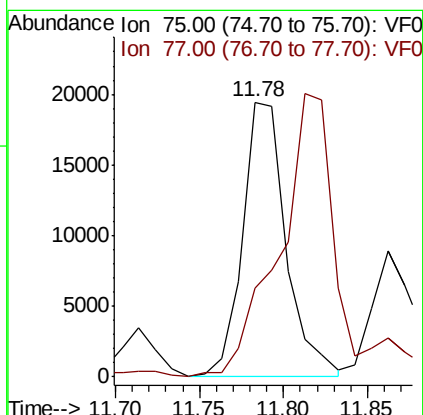
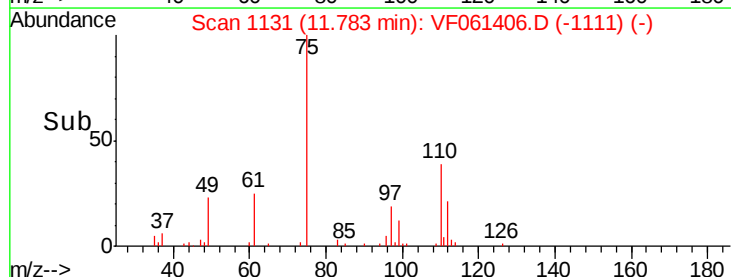
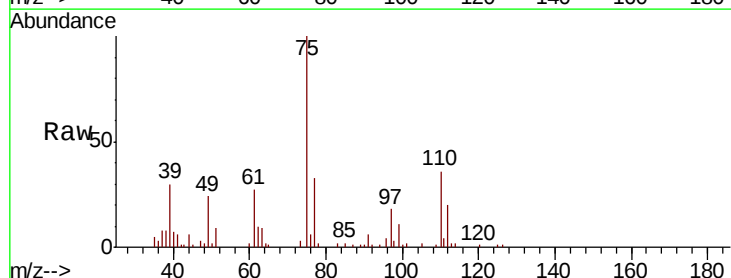
Acq: 15 Jan 2019 14:59

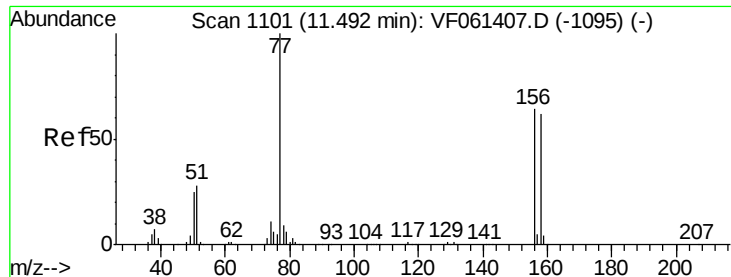
Tgt Ion: 75 Resp: 34843

Ion Ratio Lower Upper

75 100

77 32.5 16.1 48.3





#77

Bromobenzene

Concen: 19.482 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

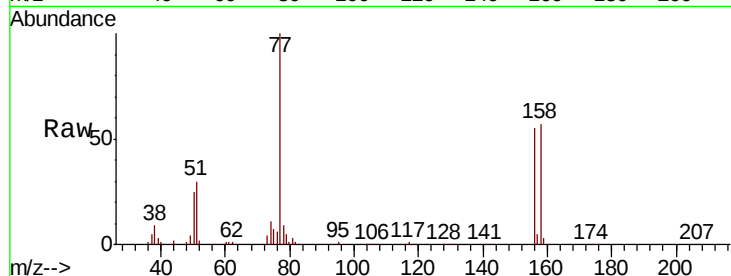
Tgt Ion:156 Resp: 57014

Ion Ratio Lower Upper

156 100

77 181.6 78.3 234.9

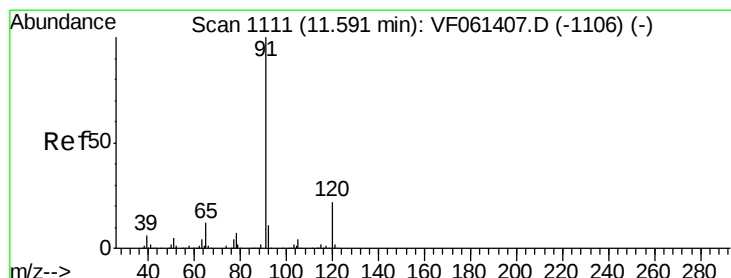
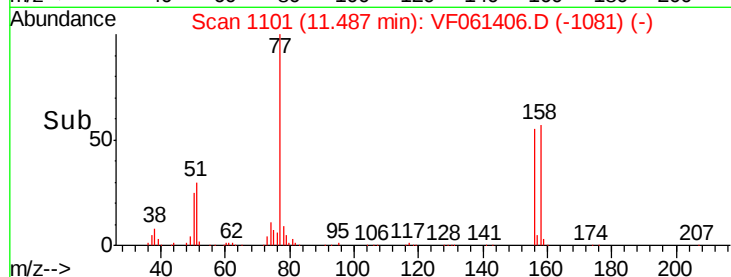
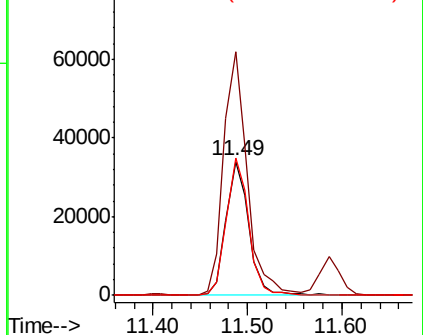
158 102.7 48.9 146.7



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: 19.180 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061406.D

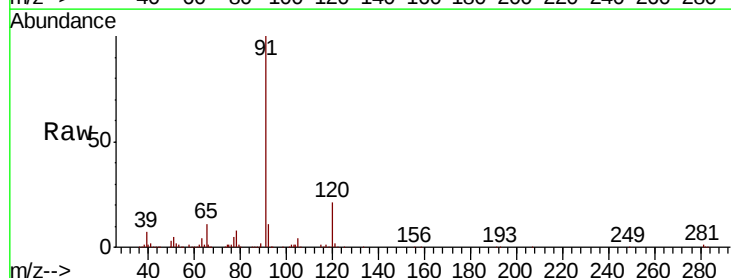
Acq: 15 Jan 2019 14:59

Tgt Ion: 91 Resp: 335005

Ion Ratio Lower Upper

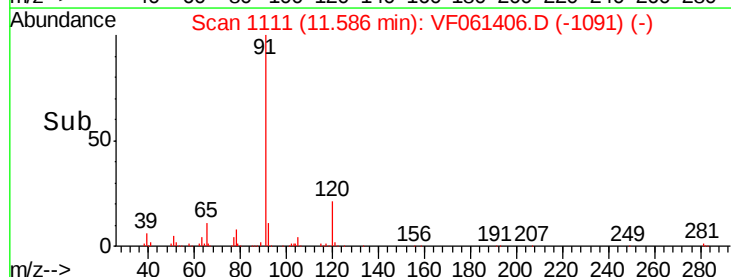
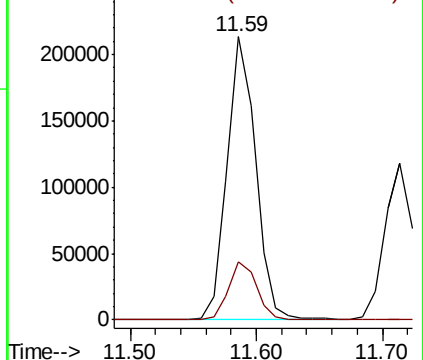
91 100

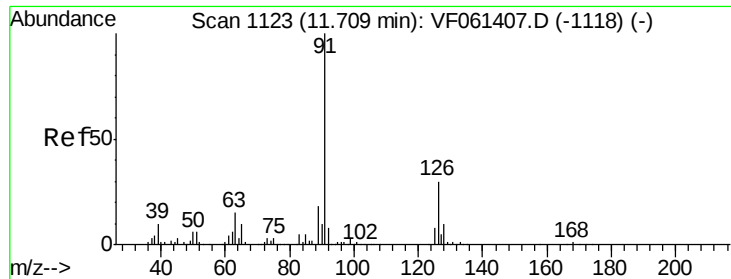
120 20.6 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

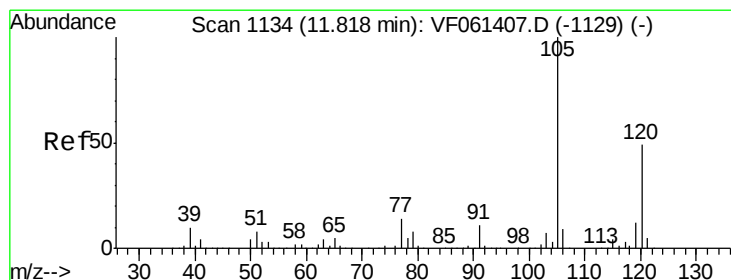
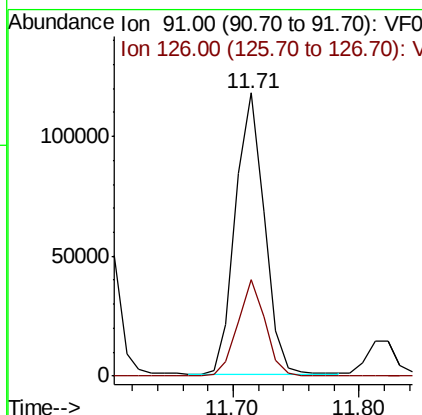
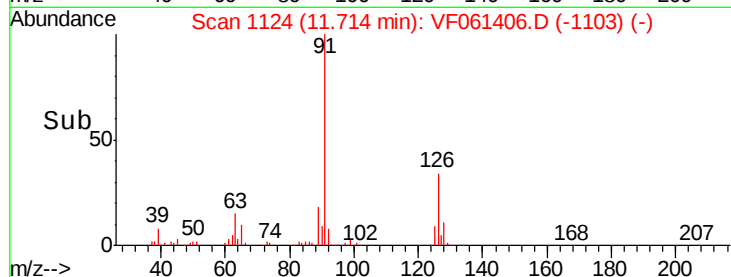
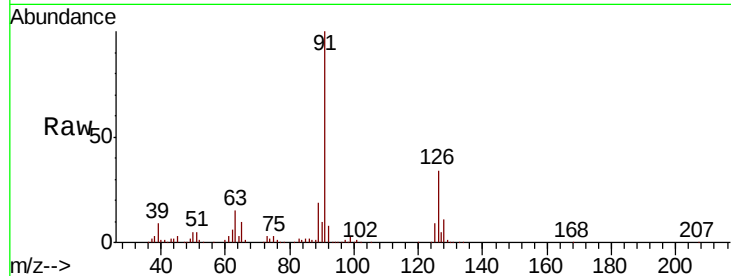




#79
 2-Chlorotoluene
 Concen: 18.802 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

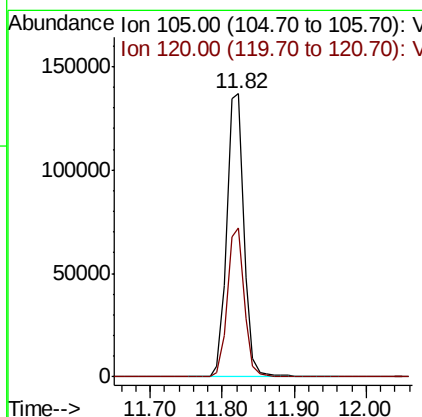
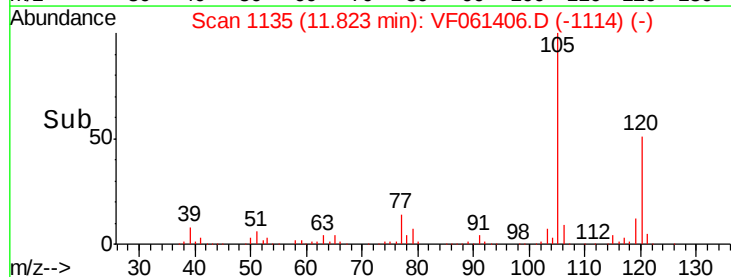
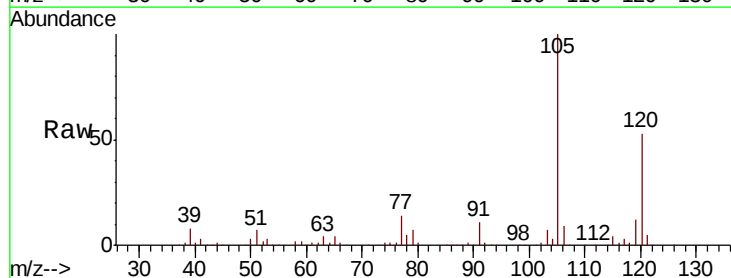
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

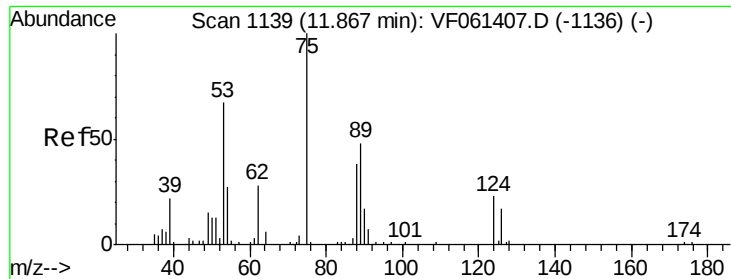
Tgt Ion: 91 Resp: 186635
 Ion Ratio Lower Upper
 91 100
 126 34.0 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.876 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion: 105 Resp: 227478
 Ion Ratio Lower Upper
 105 100
 120 52.5 24.7 74.1

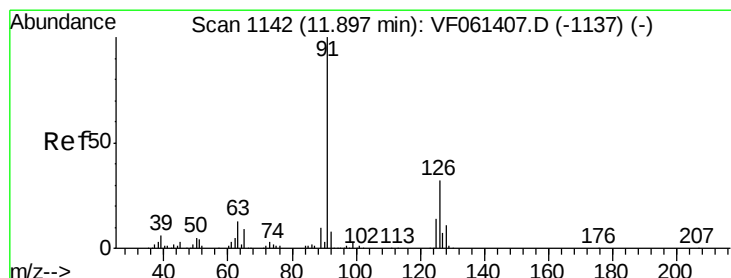
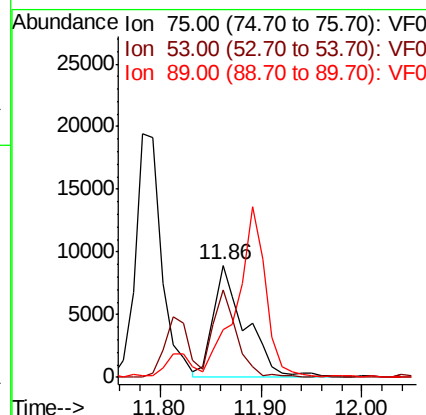
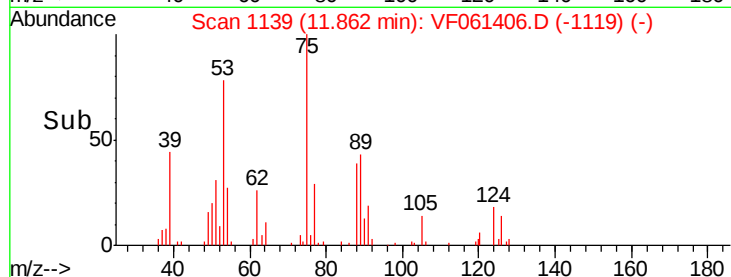
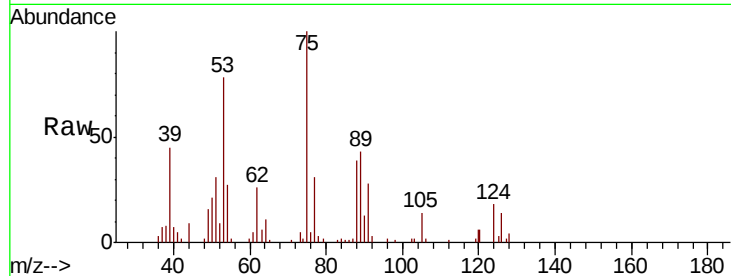




#81
trans-1,4-Dichloro-2-butene
Concen: 21.326 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

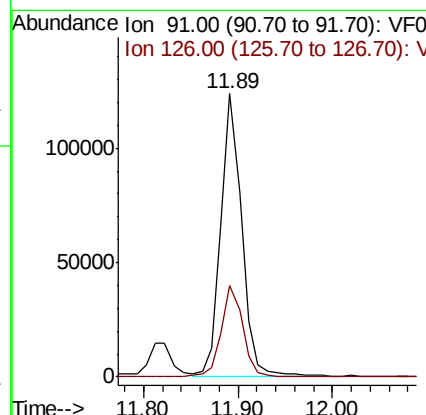
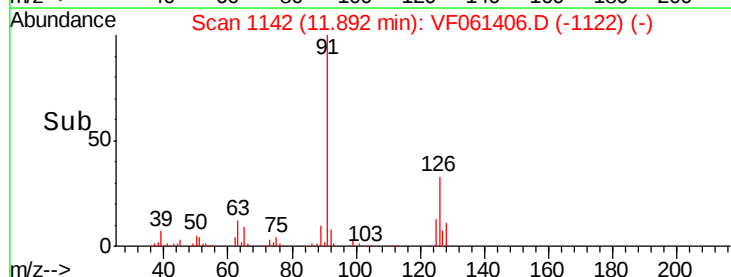
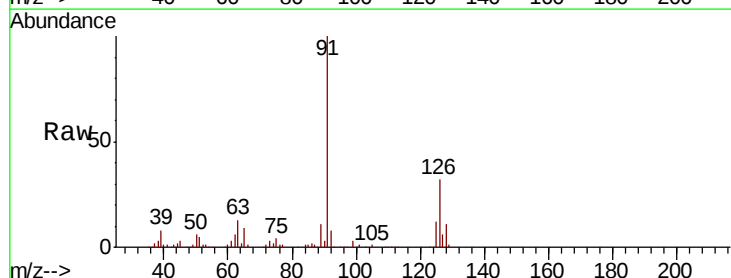
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 20168
Ion Ratio Lower Upper
75 100
53 77.6 57.8 86.6
89 42.8 40.7 61.1



#82
4-Chlorotoluene
Concen: 19.275 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 91 Resp: 189504
Ion Ratio Lower Upper
91 100
126 32.2 16.0 47.9

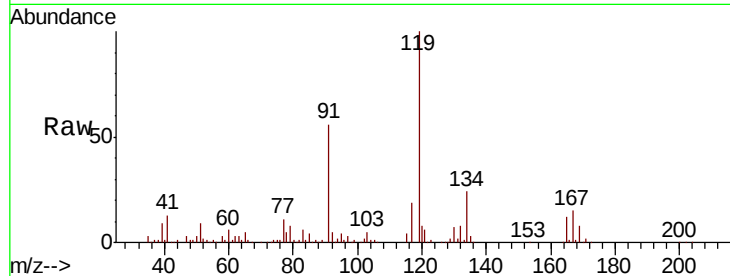




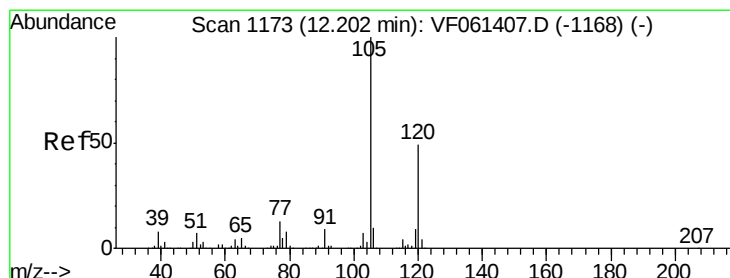
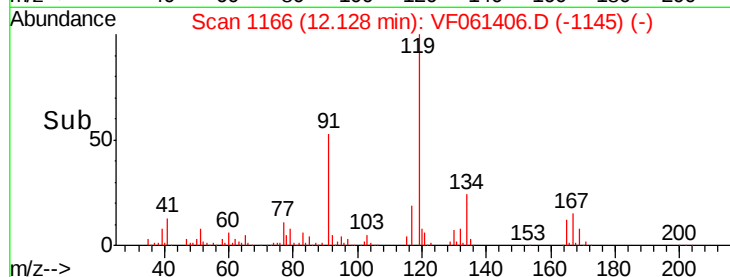
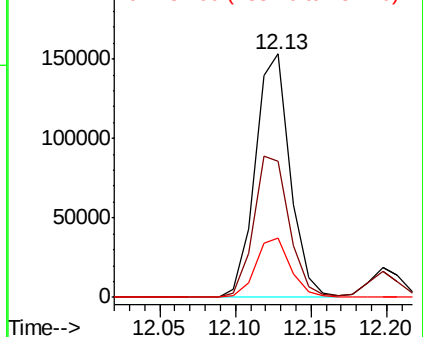
#83
 tert-Butylbenzene
 Concen: 20.678 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 246082
 Ion Ratio Lower Upper
 119 100
 91 55.9 31.3 93.8
 134 24.4 12.4 37.0

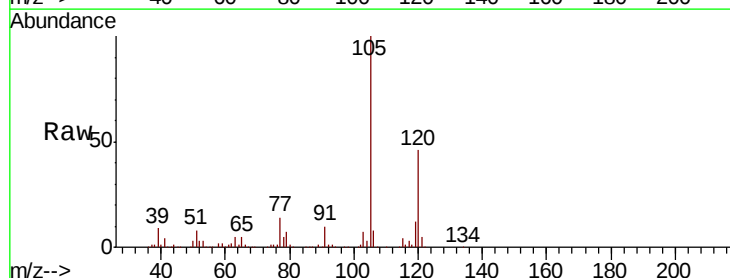


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

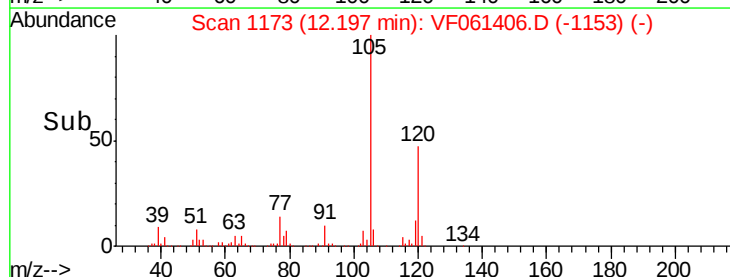
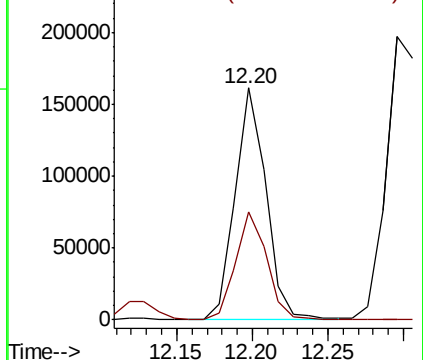


#84
 1,2,4-Trimethylbenzene
 Concen: 19.399 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion:105 Resp: 229665
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.9 74.6



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

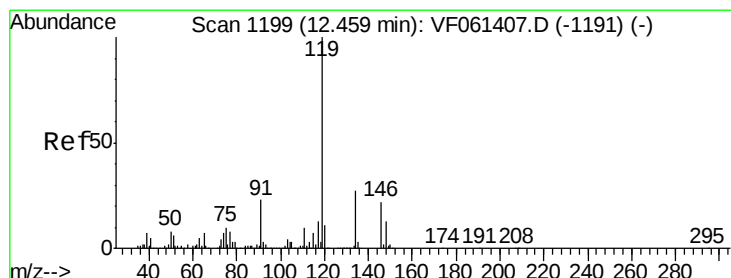
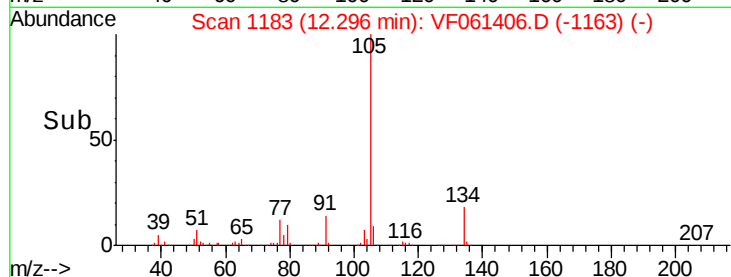
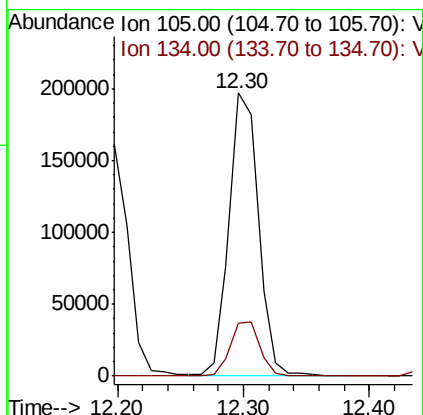
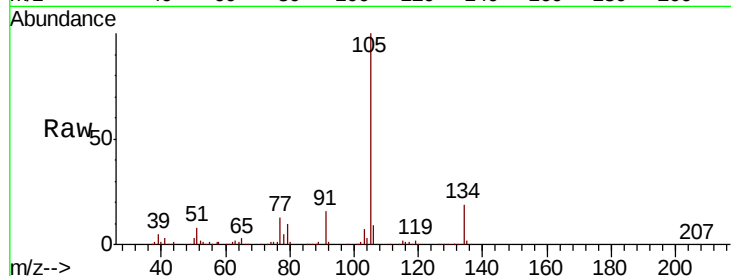




#85
 sec-Butylbenzene
 Concen: 19.627 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

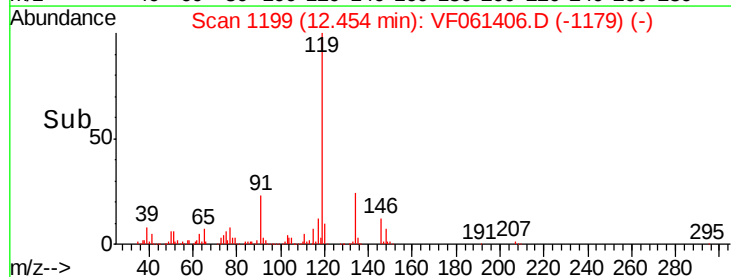
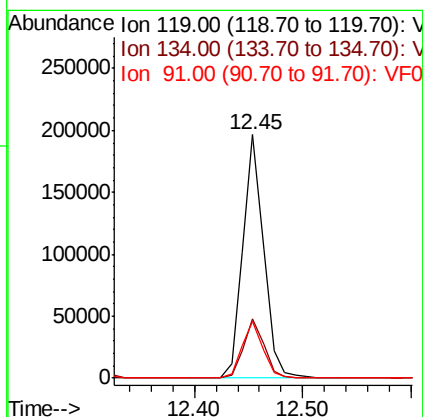
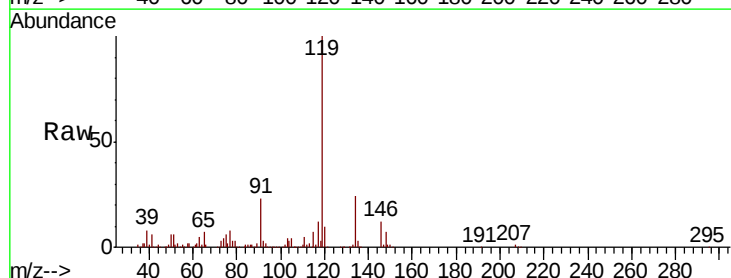
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

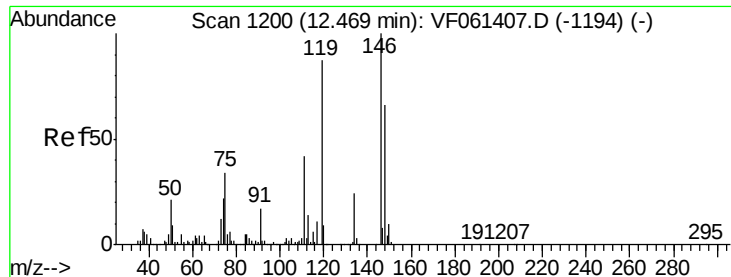
Tgt Ion:105 Resp: 317670
 Ion Ratio Lower Upper
 105 100
 134 18.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.586 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion:119 Resp: 263912
 Ion Ratio Lower Upper
 119 100
 134 24.4 13.4 40.2
 91 23.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.895 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

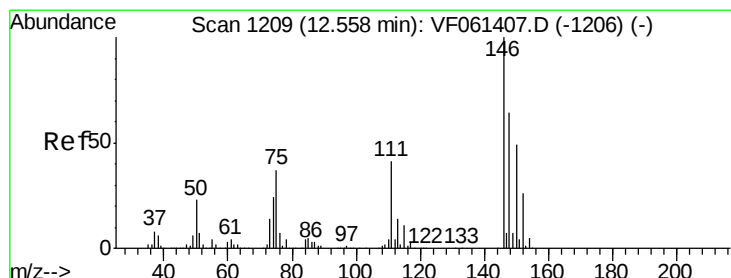
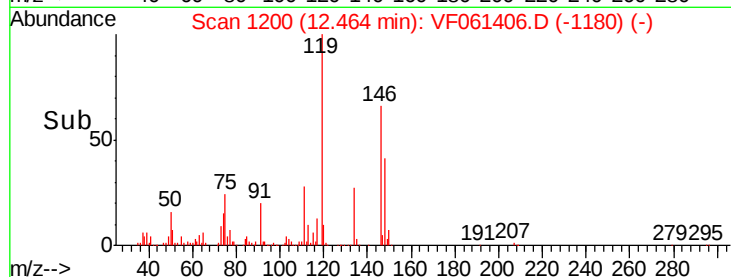
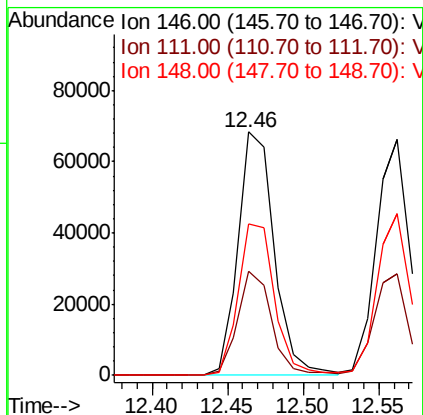
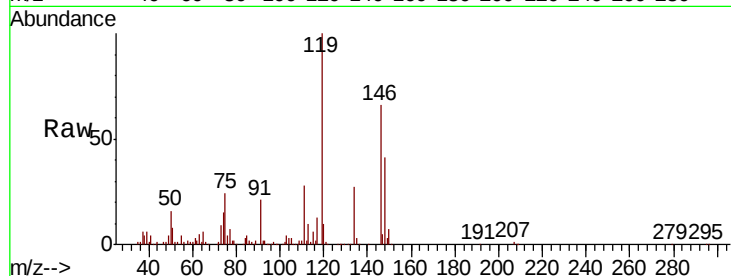
Tgt Ion:146 Resp: 113675

Ion Ratio Lower Upper

146 100

111 43.0 21.1 63.4

148 62.2 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 19.444 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

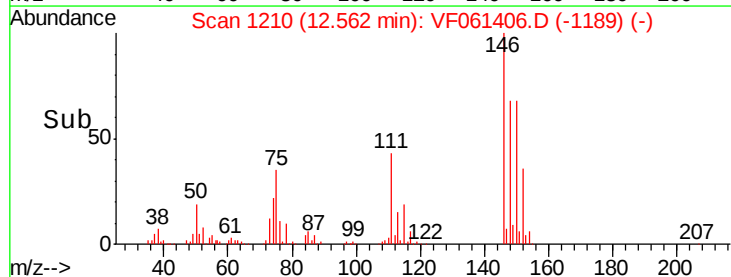
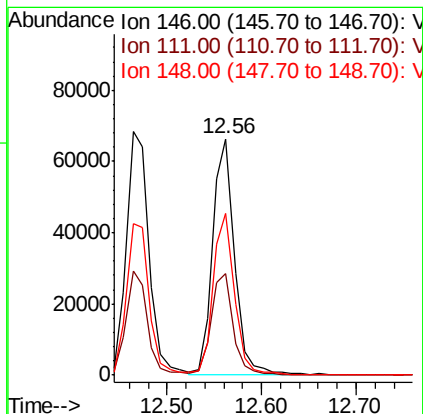
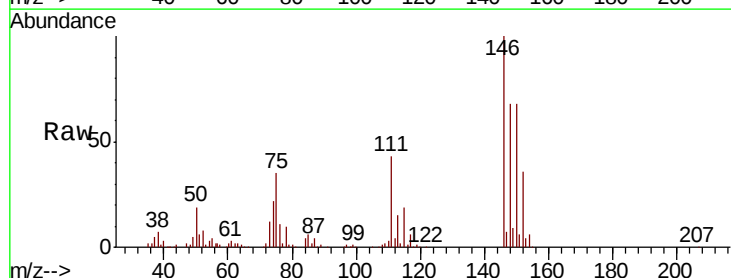
Tgt Ion:146 Resp: 107161

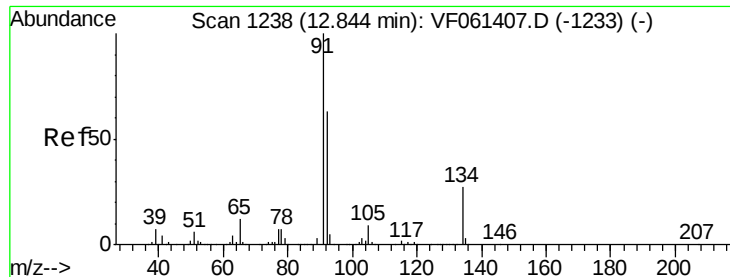
Ion Ratio Lower Upper

146 100

111 43.2 20.8 62.2

148 68.5 32.1 96.5

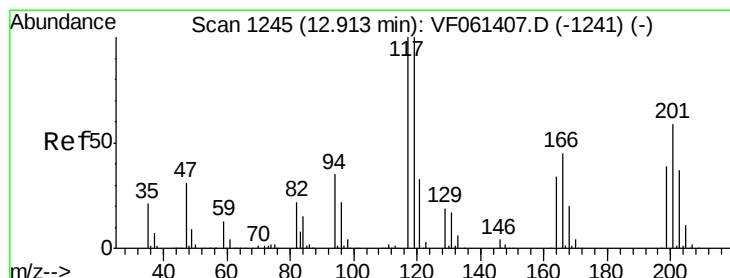
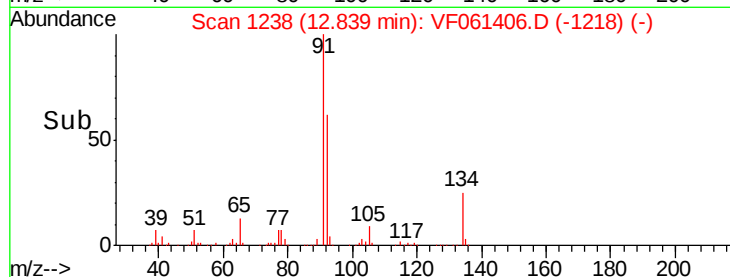
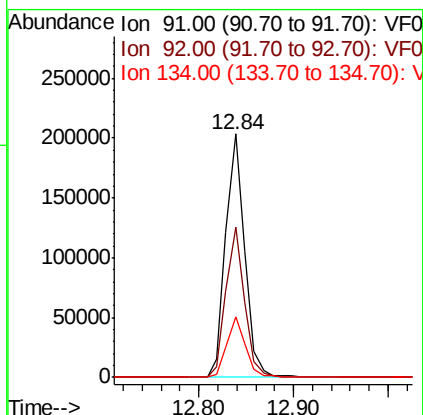
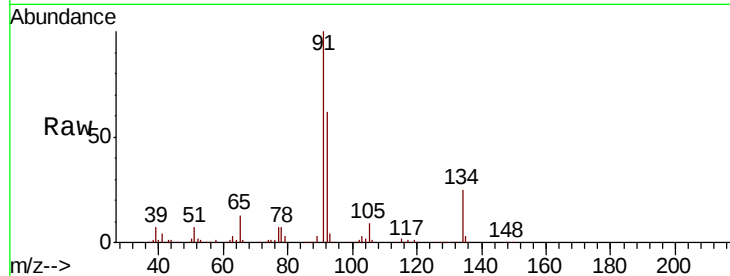




#89
n-Butylbenzene
Concen: 20.333 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

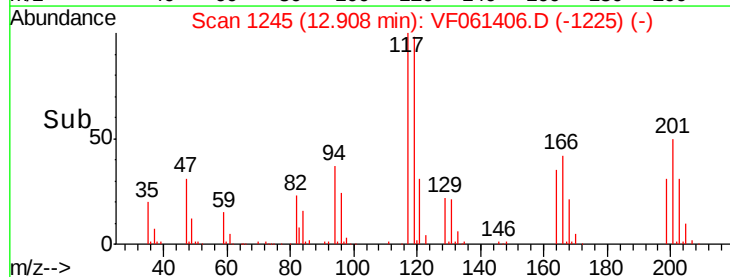
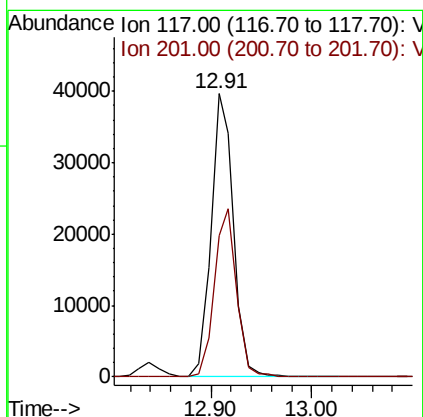
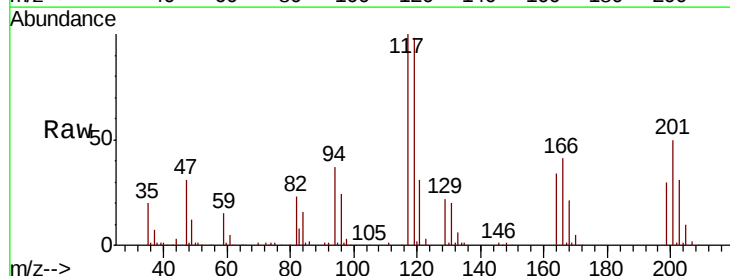
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

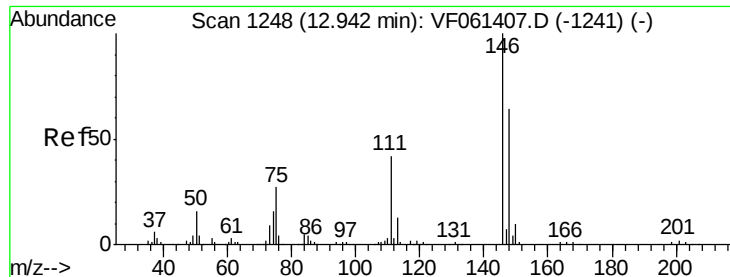
Tgt Ion: 91 Resp: 283169
Ion Ratio Lower Upper
91 100
92 61.7 31.6 94.7
134 25.1 13.6 40.8



#90
Hexachloroethane
Concen: 20.644 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061406.D
Acq: 15 Jan 2019 14:59

Tgt Ion: 117 Resp: 61401
Ion Ratio Lower Upper
117 100
201 50.1 29.3 87.8

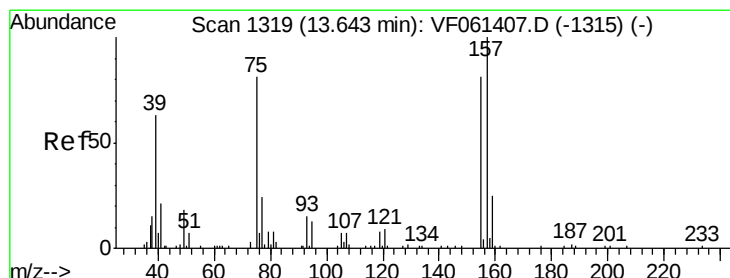
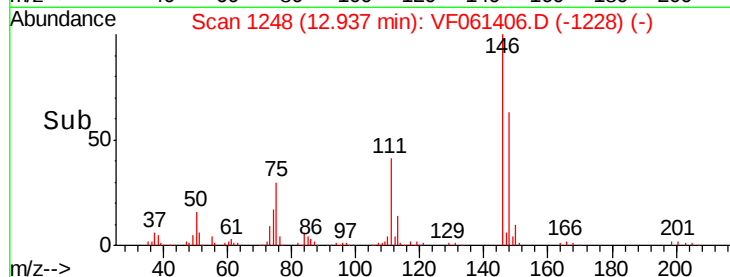
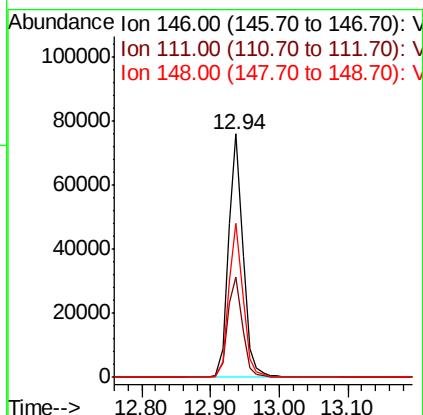
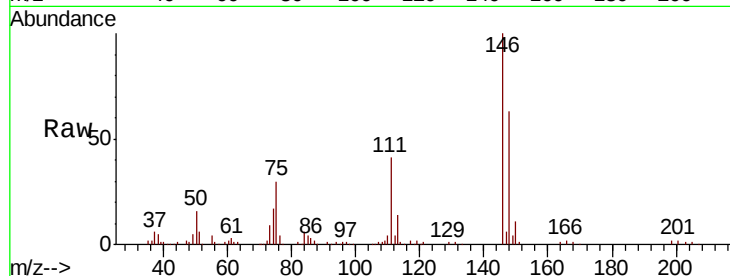




#91
 1,2-Dichlorobenzene
 Concen: 19.715 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

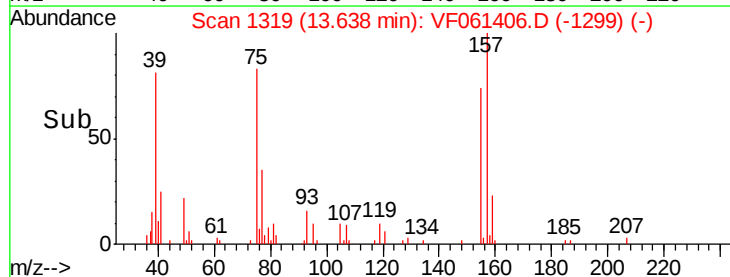
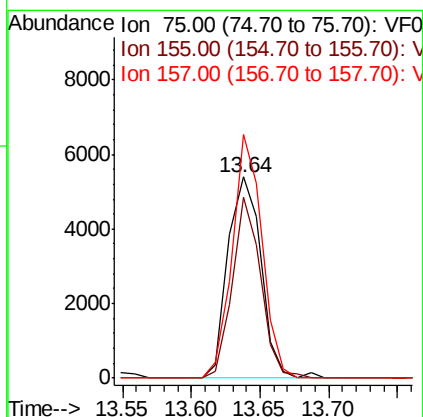
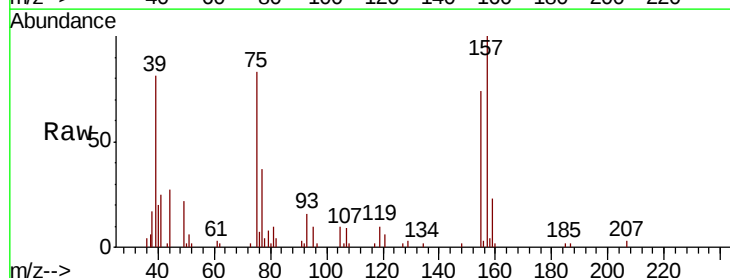
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

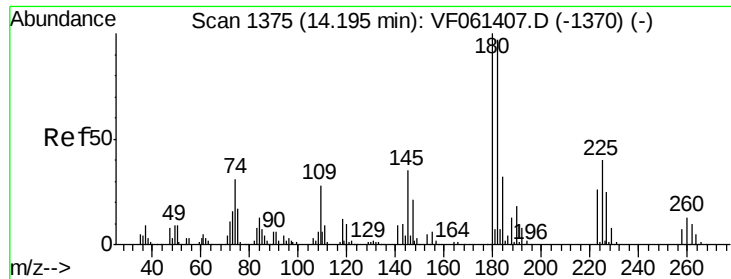
Tgt Ion: 146 Resp: 110528
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.1 63.3
 148 63.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.408 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion: 75 Resp: 9049
 Ion Ratio Lower Upper
 75 100
 155 90.1 49.7 149.1
 157 121.1 61.4 184.1

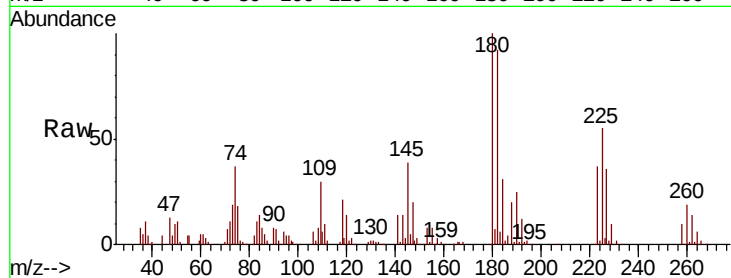




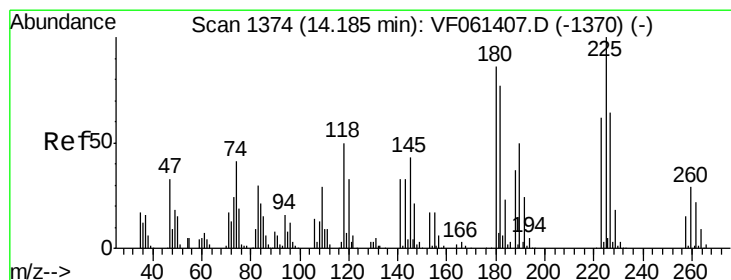
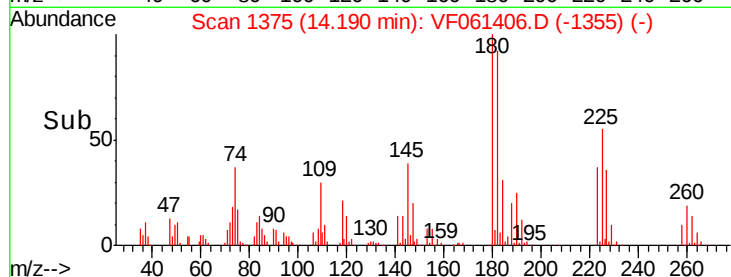
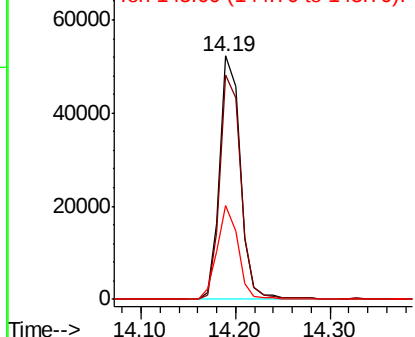
#93
 1,2,4-Trichlorobenzene
 Concen: 20.418 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 79887
 Ion Ratio Lower Upper
 180 100
 182 92.2 48.5 145.6
 145 38.6 17.5 52.6

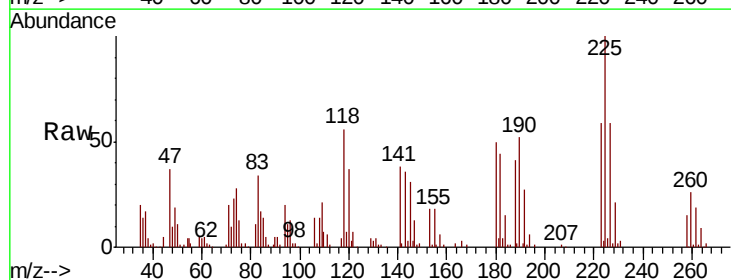


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

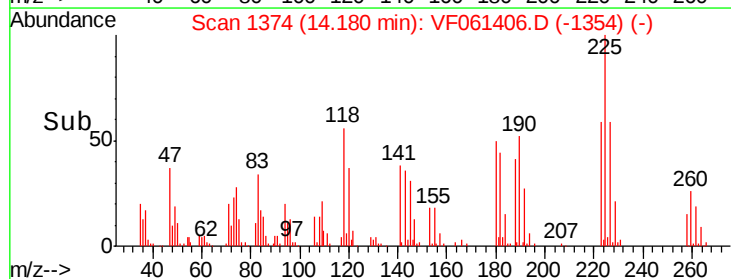
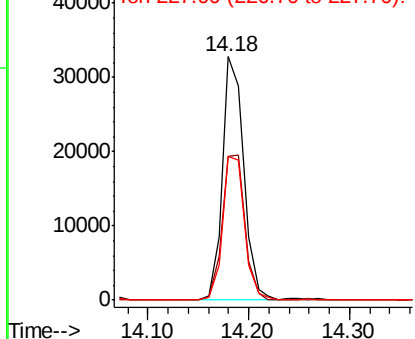


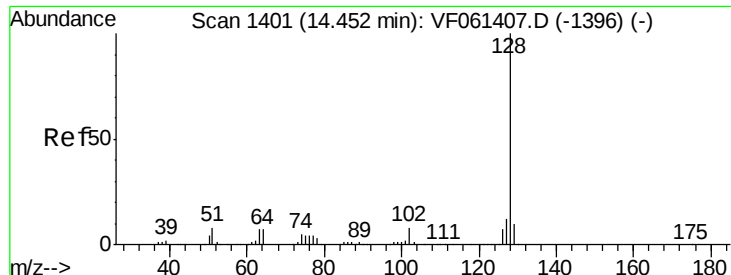
#94
 Hexachlorobutadiene
 Concen: 20.457 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061406.D
 Acq: 15 Jan 2019 14:59

Tgt Ion:225 Resp: 48466
 Ion Ratio Lower Upper
 225 100
 223 58.9 31.1 93.2
 227 59.3 32.2 96.6



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: 21.033 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

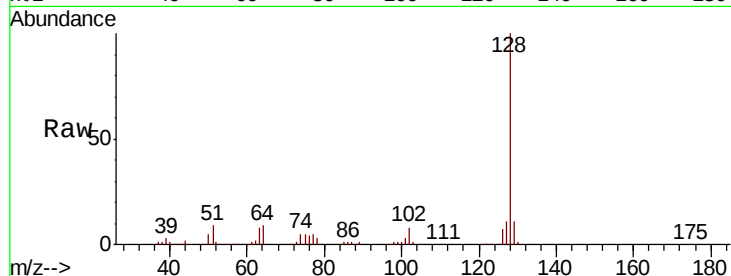
Tgt Ion:128 Resp: 146480

Ion Ratio Lower Upper

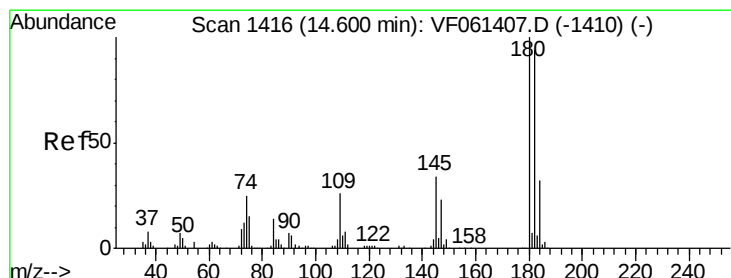
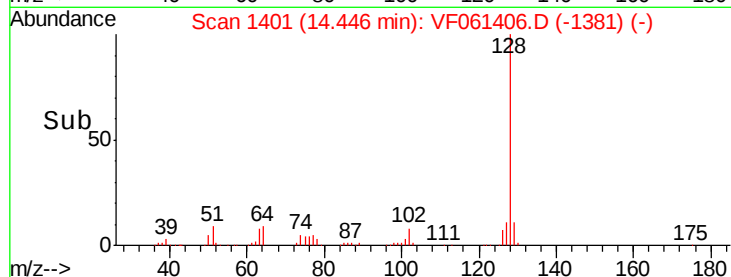
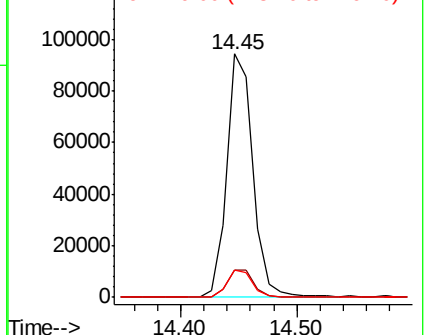
128 100

127 11.3 9.5 14.3

129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.094 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061406.D

Acq: 15 Jan 2019 14:59

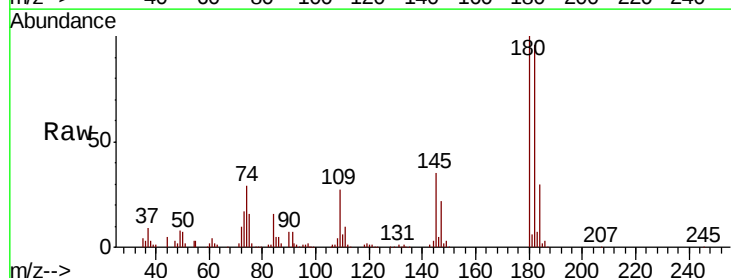
Tgt Ion:180 Resp: 74132

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.2

145 34.8 17.1 51.2



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

