

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061987.D
 Acq On : 16 Mar 2019 21:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 03:30:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	237331	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	365684	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	324275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	166182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	78300	45.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	4.09	113	109556	44.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.22%	
50) Toluene-d8	7.54	98	308336	42.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.90%	
62) 4-Bromofluorobenzene	11.41	95	118114	41.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	117627	46.492	ug/l	92
3) Chloromethane	1.07	50	122006	47.453	ug/l	93
4) Vinyl Chloride	1.12	62	121324	48.791	ug/l	94
5) Bromomethane	1.31	94	88244	50.516	ug/l	100
6) Chloroethane	1.37	64	62254	48.496	ug/l	97
7) Trichlorofluoromethane	1.47	101	170206	51.666	ug/l	93
8) Diethyl Ether	1.61	74	38489	52.555	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.81	101	109998	47.391	ug/l	98
10) Methyl Iodide	1.88	142	162479	39.986	ug/l	97
11) Tert butyl alcohol	2.55	59	24228	231.761	ug/l	95
12) 1,1-Dichloroethene	1.77	96	94469	47.162	ug/l	94
13) Acrolein	1.98	56	25342	224.559	ug/l	91
14) Allyl chloride	2.08	41	130316	50.966	ug/l	93
15) Acrylonitrile	2.92	53	75279	236.803	ug/l	90
16) Acetone	2.22	43	81857	213.376	ug/l	95
17) Carbon Disulfide	1.81	76	281321	48.585	ug/l #	93
18) Methyl Acetate	2.32	43	45469	52.302	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	174023	47.945	ug/l	98
20) Methylene Chloride	2.21	84	56959	28.457	ug/l	95
21) trans-1,2-Dichloroethene	2.29	96	100426	48.043	ug/l	98
22) Diisopropyl ether	2.78	45	283541	46.102	ug/l	98
23) Vinyl Acetate	3.17	43	643393	265.372	ug/l	100
24) 1,1-Dichloroethane	2.86	63	174004	48.657	ug/l	99
25) 2-Butanone	4.32	43	179332	236.037	ug/l #	90
26) 2,2-Dichloropropane	3.58	77	76702	45.472	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	132223	50.186	ug/l	96
28) Bromochloromethane	3.69	49	70844	47.743	ug/l	96
29) Tetrahydrofuran	4.06	42	76863	232.624	ug/l	96
30) Chloroform	3.84	83	204599	50.495	ug/l	91
31) Cyclohexane	3.67	56	173021	48.975	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	145873	54.210	ug/l	96
36) 1,1-Dichloropropene	4.26	75	164211	49.726	ug/l	99
37) Ethyl Acetate	4.10	43	66045	44.542	ug/l #	95
38) Carbon Tetrachloride	3.97	117	125432	51.973	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	187696	48.415	ug/l	92
40) Benzene	4.61	78	430098	49.152	ug/l	96
41) Methacrylonitrile	4.72	41	38807	48.986	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	109014	50.046	ug/l	95
43) Isopropyl Acetate	6.95	43	87519	49.887	ug/l #	93
44) Trichloroethene	5.49	130	125188	46.703	ug/l	93
45) 1,2-Dichloropropane	6.22	63	100528	48.545	ug/l	92
46) Dibromomethane	6.07	93	65373	53.067	ug/l	97
47) Bromodichloromethane	6.38	83	147616	50.827	ug/l #	96
48) Methyl methacrylate	6.70	41	54958	48.471	ug/l #	93
49) 1,4-Dioxane	6.69	88	9278	919.945	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	303143	243.335	ug/l	97
52) Toluene	7.62	92	260605	48.744	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	123353	50.309	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	167007	52.201	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	73927	49.543	ug/l	98
56) Ethyl methacrylate	8.61	69	86185	50.809	ug/l	99
57) 1,3-Dichloropropane	8.84	76	120706	48.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	74428	242.247	ug/l	90
59) 2-Hexanone	9.48	43	202025	224.078	ug/l	100
60) Dibromochloromethane	8.70	129	111667	53.905	ug/l	100
61) 1,2-Dibromoethane	8.98	107	83014	51.864	ug/l	100
64) Tetrachloroethene	8.14	164	115275	48.905	ug/l	98
65) Chlorobenzene	9.79	112	301391	49.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	120237	51.378	ug/l	91
67) Ethyl Benzene	9.90	91	503745	48.730	ug/l	99
68) m/p-Xylenes	10.12	106	367211	94.448	ug/l	94
69) o-Xylene	10.71	106	198570	47.730	ug/l	94
70) Styrene	10.78	104	276769	48.020	ug/l	97
71) Bromoform	10.76	173	61204	51.705	ug/l	98
73) Isopropylbenzene	11.12	105	561204	48.882	ug/l	97
74) N-amyl acetate	11.37	43	130965	49.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	97616	51.511	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	63163	47.666	ug/l	98
77) Bromobenzene	11.49	156	134905	50.740	ug/l	95
78) n-propylbenzene	11.59	91	648905	49.155	ug/l	99
79) 2-Chlorotoluene	11.71	91	368369	49.435	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	465820	50.228	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	39648	67.633	ug/l	96
82) 4-Chlorotoluene	11.90	91	360595	47.853	ug/l	96
83) tert-Butylbenzene	12.13	119	493080	50.838	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	437729	47.122	ug/l	99
85) sec-Butylbenzene	12.30	105	614637	46.904	ug/l	98
86) p-Isopropyltoluene	12.45	119	538958	49.289	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	253828	48.575	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	246993	49.108	ug/l	98
89) n-Butylbenzene	12.83	91	509441	49.581	ug/l	96
90) Hexachloroethane	12.91	117	128079	51.327	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	233218	48.187	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	14423	47.428	ug/l	63

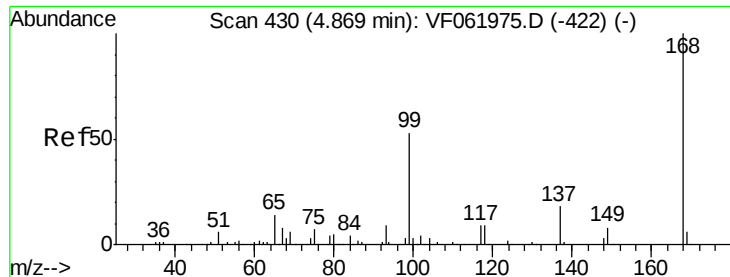
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	165777	49.188	ug/l	96
94) Hexachlorobutadiene	14.19	225	111903	50.014	ug/l	96
95) Naphthalene	14.45	128	303806	50.120	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	158007	50.959	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

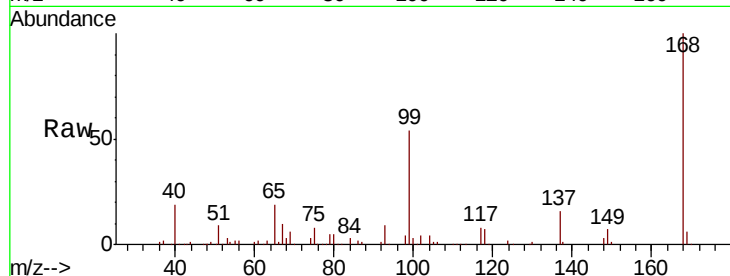
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 237331

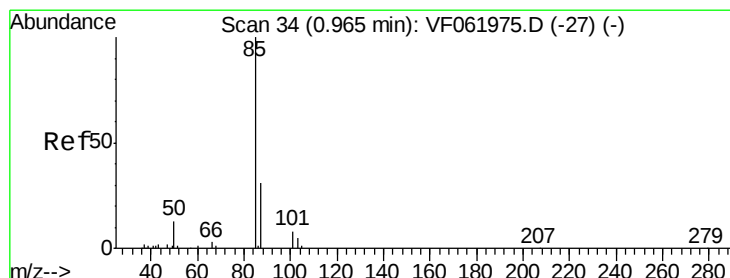
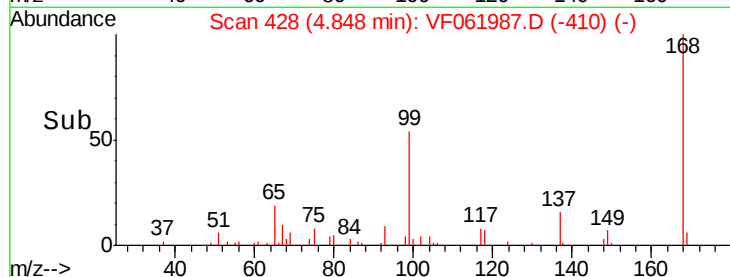
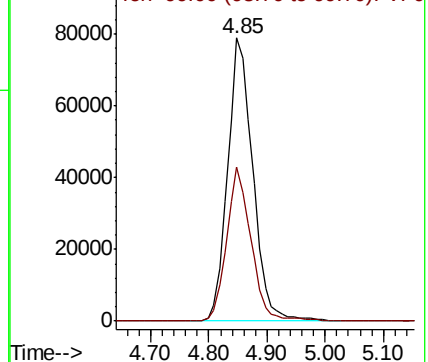
Ion Ratio Lower Upper

168 100

99 54.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.492 ug/l

RT: 0.94 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF061987.D

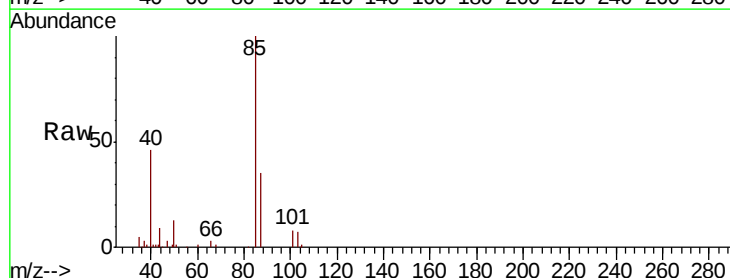
Acq: 16 Mar 2019 21:21

Tgt Ion: 85 Resp: 117627

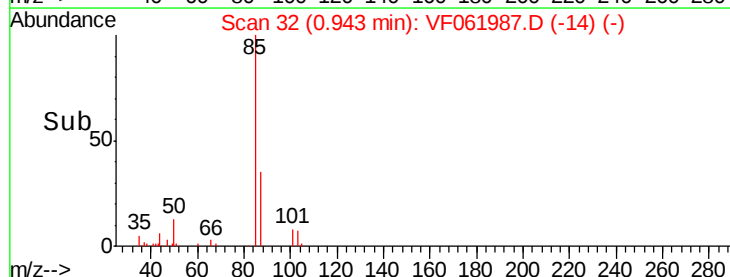
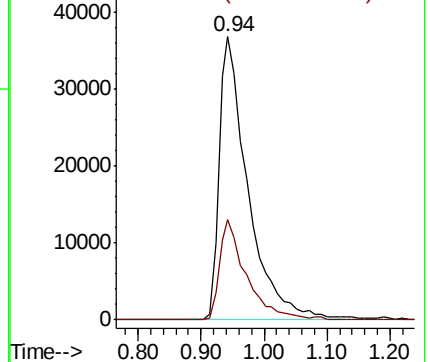
Ion Ratio Lower Upper

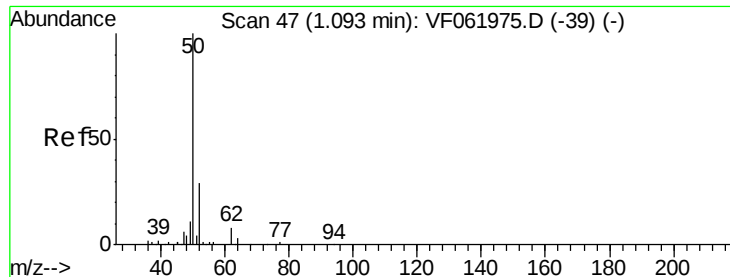
85 100

87 35.4 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0
Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 47.453 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

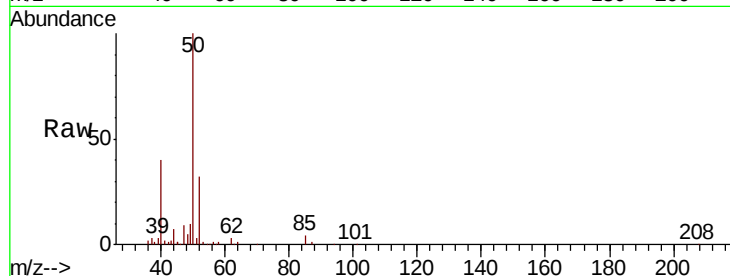
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 122006

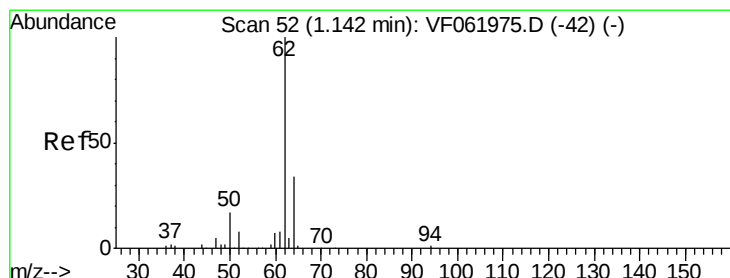
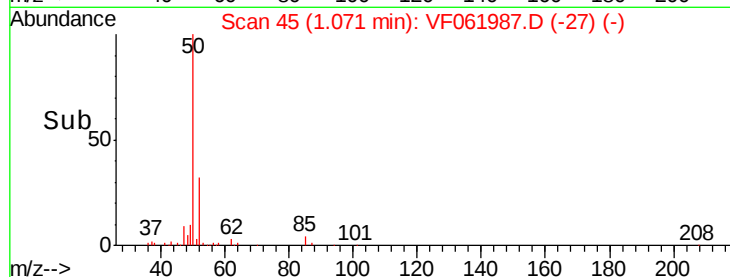
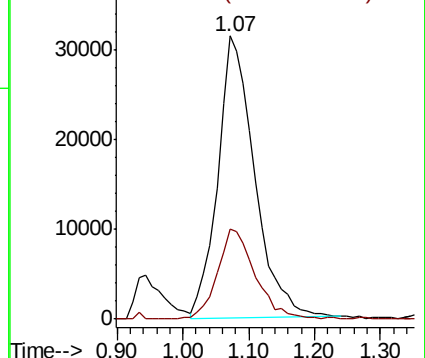
Ion Ratio Lower Upper

50 100

52 31.8 22.6 34.0



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



#4

Vinyl Chloride

Concen: 48.791 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061987.D

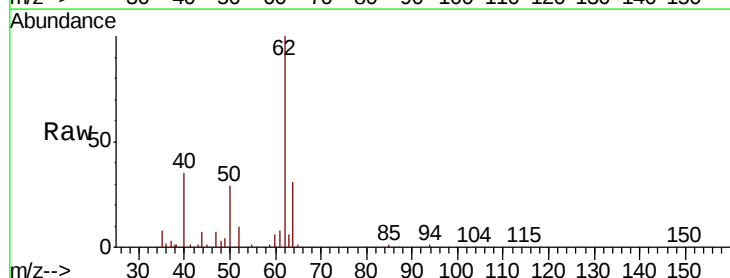
Acq: 16 Mar 2019 21:21

Tgt Ion: 62 Resp: 121324

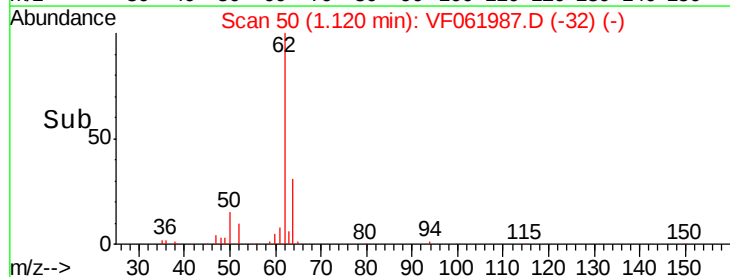
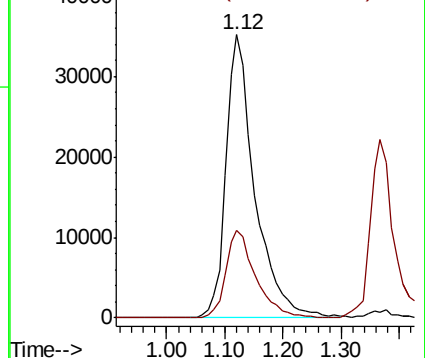
Ion Ratio Lower Upper

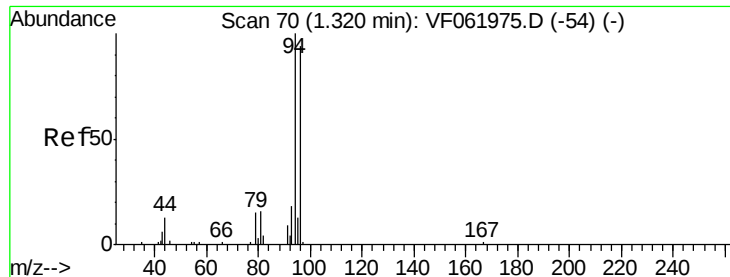
62 100

64 30.9 27.4 41.2



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





#5

Bromomethane

Concen: 50.516 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

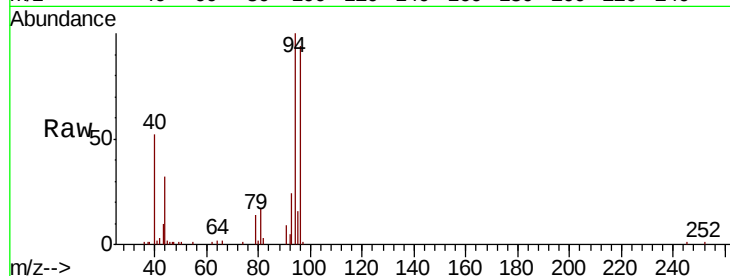
ClientSampleId :

Tot Ion: 94 Resp: 88244

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

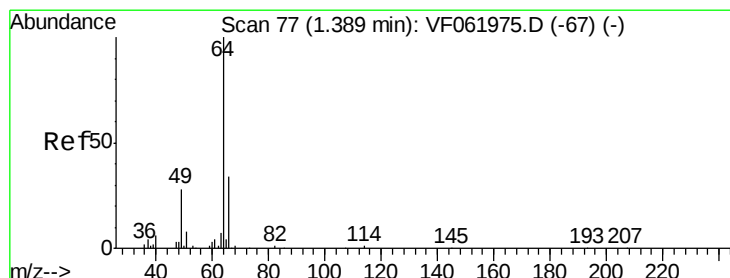
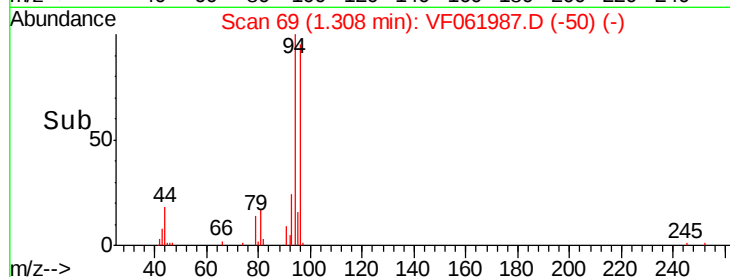
10000

5000

0

1.10 1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 48.496 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061987.D

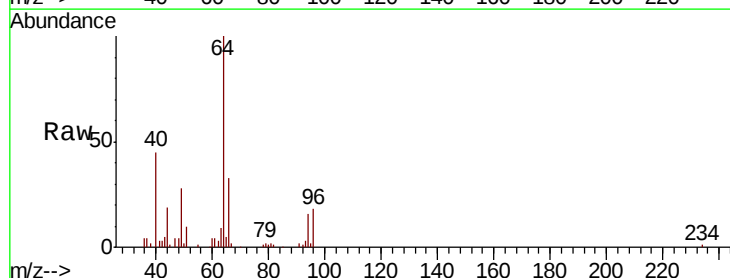
Acq: 16 Mar 2019 21:21

Tgt Ion: 64 Resp: 62254

Ion Ratio Lower Upper

64 100

66 32.6 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

25000

20000

15000

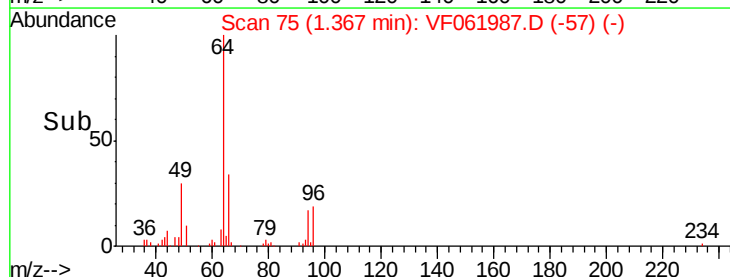
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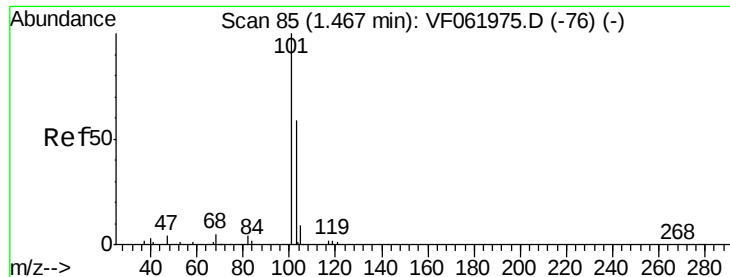
5000

0

1.20 1.30 1.40 1.50

Time-->





#7

Trichlorofluoromethane

Concen: 51.666 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

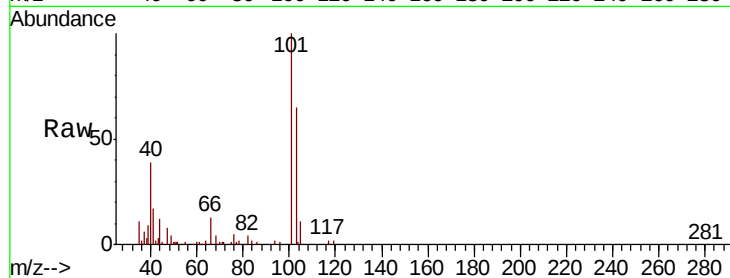
ClientSampleId :

Tot Ion:101 Resp: 170206

Ion Ratio Lower Upper

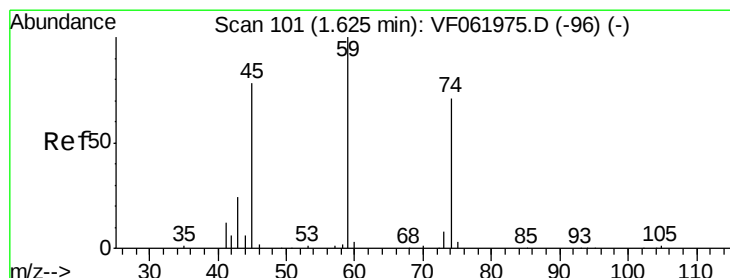
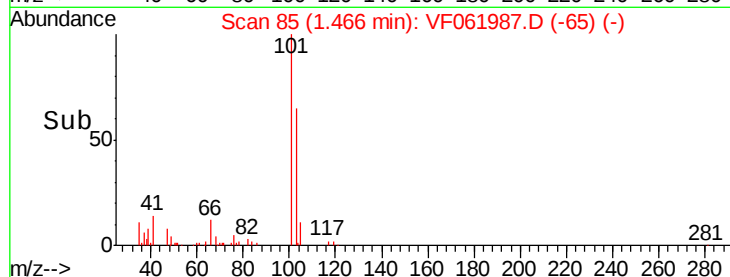
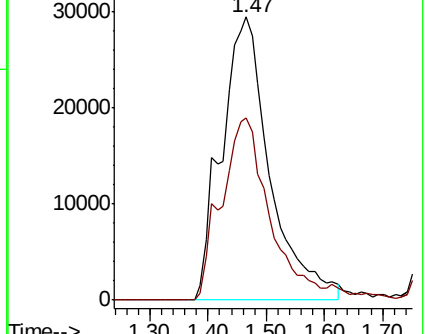
101 100

103 64.5 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.555 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061987.D

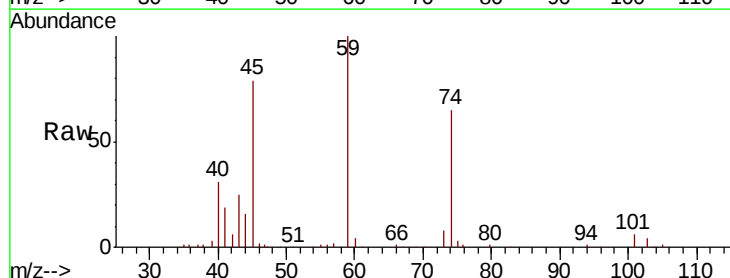
Acq: 16 Mar 2019 21:21

Tgt Ion: 74 Resp: 38489

Ion Ratio Lower Upper

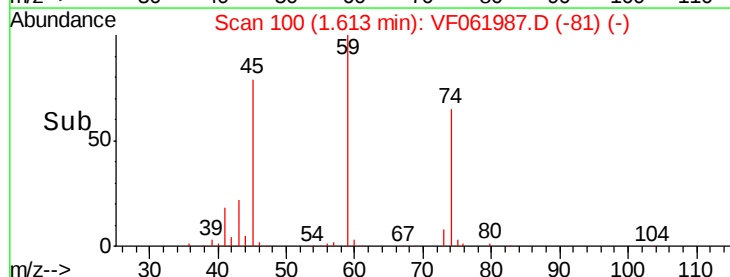
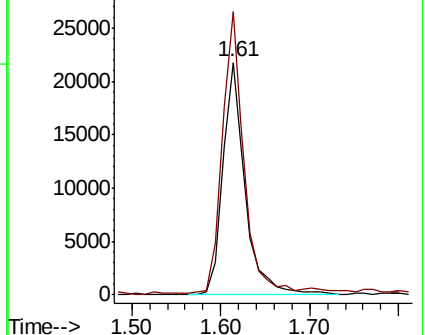
74 100

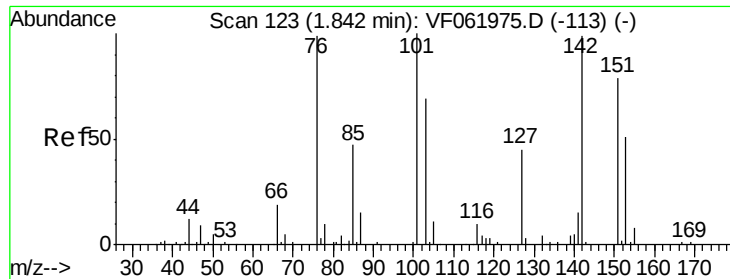
45 121.8 56.3 168.8



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: 47.391 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampled :

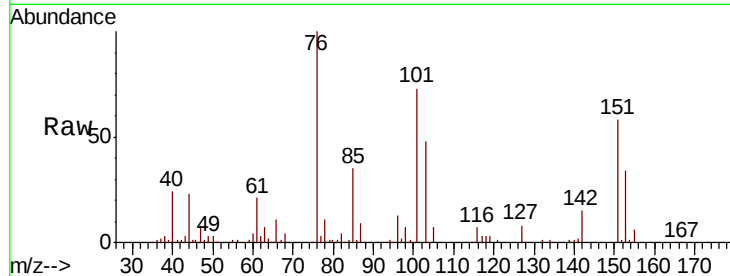
Tot Ion:101 Resp: 109998

Ion Ratio Lower Upper

101 100

85 47.9 36.8 55.2

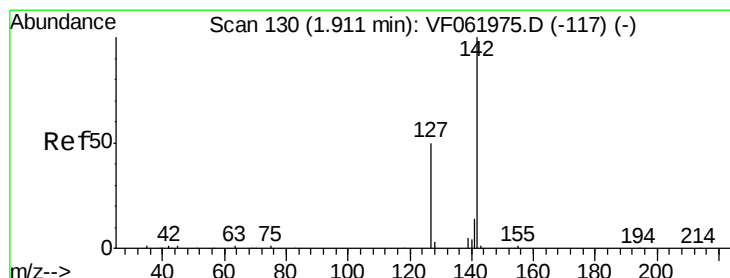
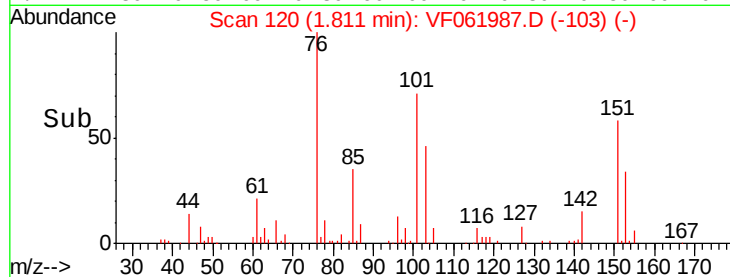
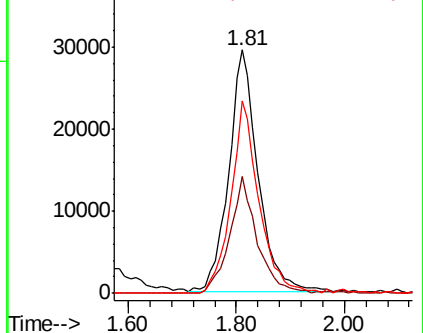
151 79.2 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 39.986 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

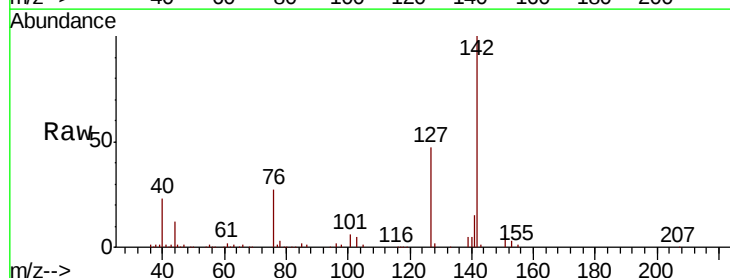
Tgt Ion:142 Resp: 162479

Ion Ratio Lower Upper

142 100

127 47.4 39.7 59.5

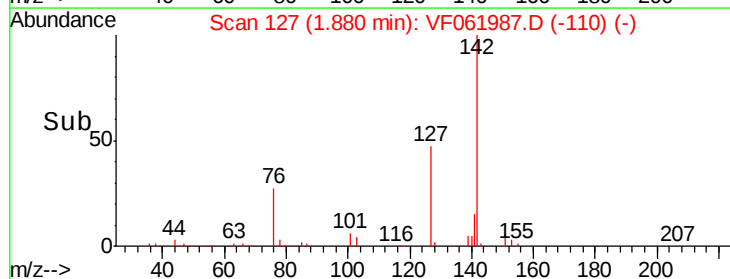
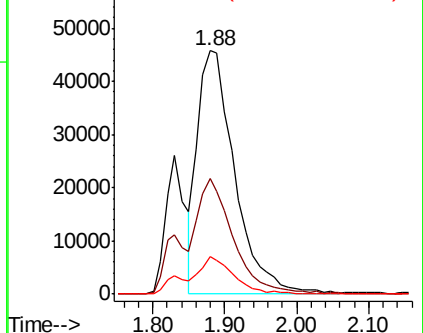
141 15.3 10.8 16.2

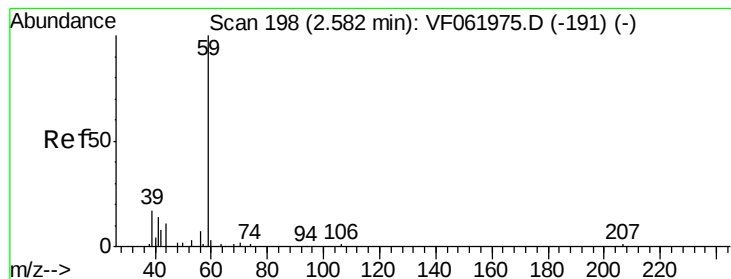


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



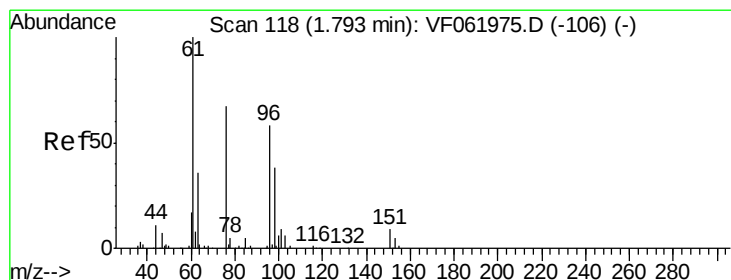
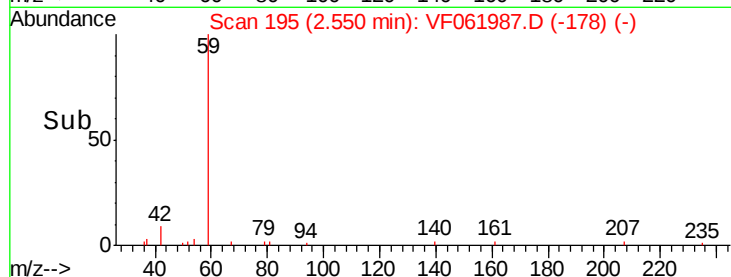
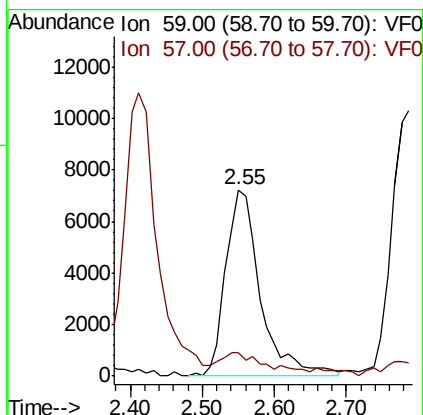
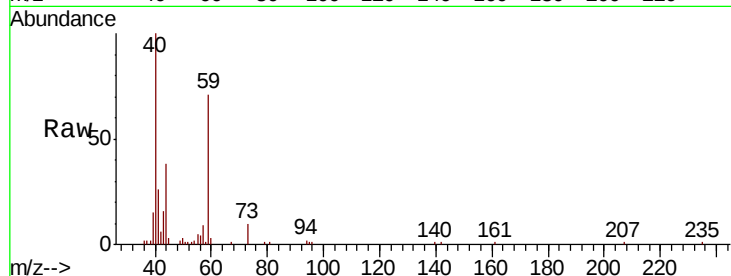


#11

Tert butyl alcohol
Concen: 231.761 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :

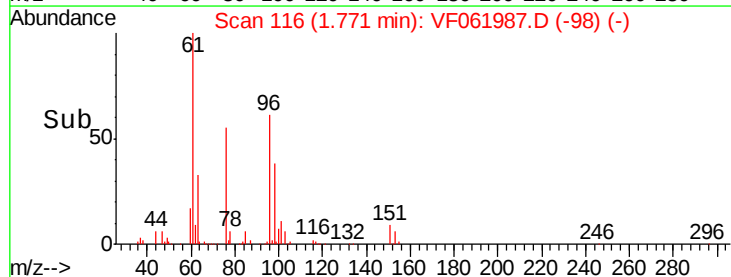
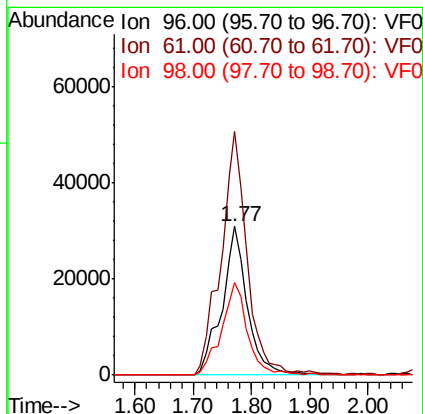
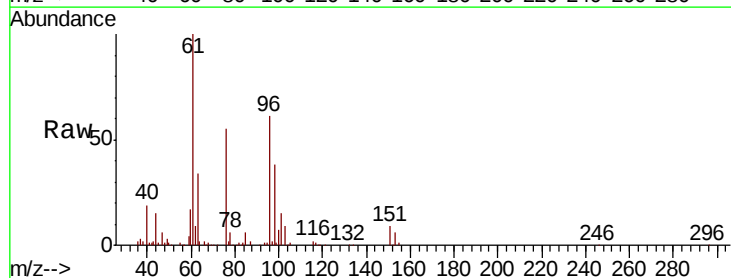
Tot Ion: 59 Resp: 24228
Ion Ratio Lower Upper
59 100
57 12.7 8.7 13.1

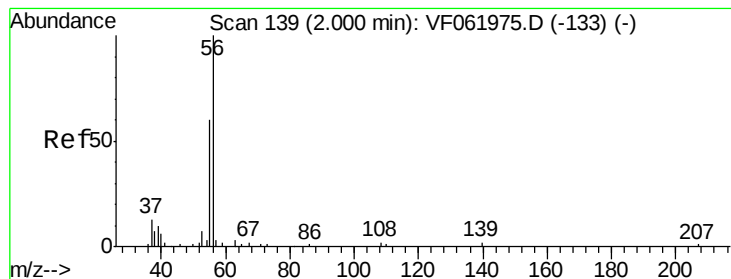


#12

1,1-Dichloroethene
Concen: 47.162 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 96 Resp: 94469
Ion Ratio Lower Upper
96 100
61 163.9 138.6 208.0
98 62.0 53.2 79.8





#13

Acrolein

Concen: 224.559 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

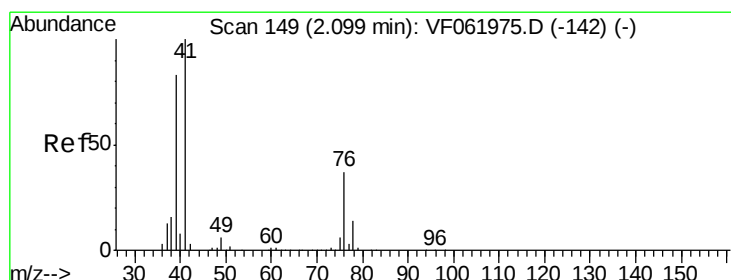
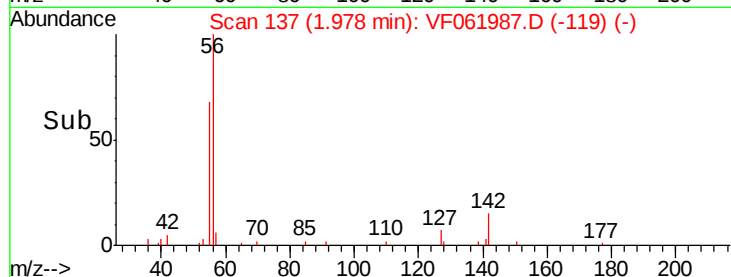
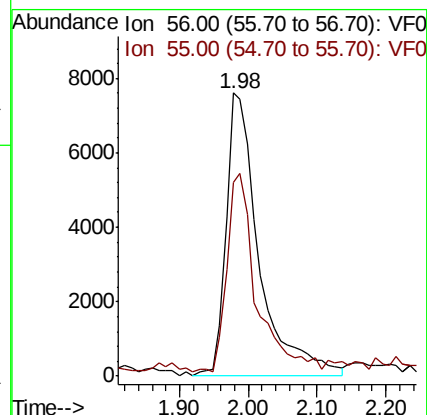
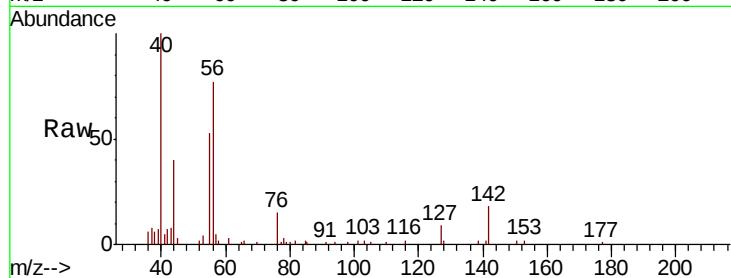
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 25342

Ion Ratio Lower Upper

56 100

55 68.4 49.1 73.7



#14

Allyl chloride

Concen: 50.966 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

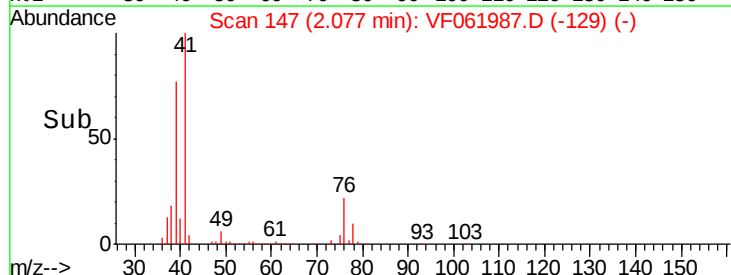
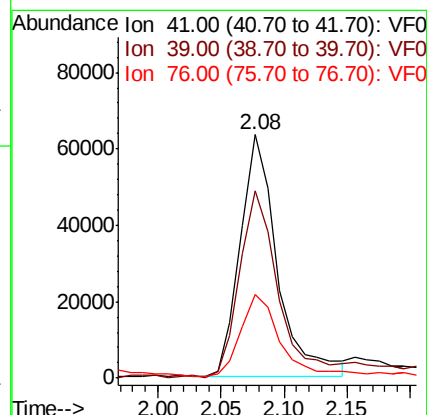
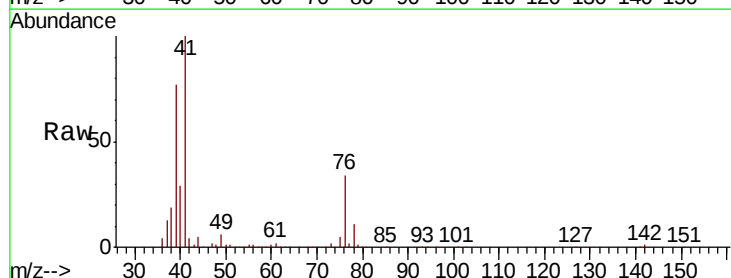
Tgt Ion: 41 Resp: 130316

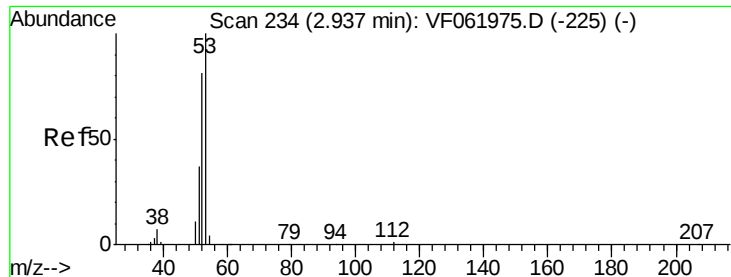
Ion Ratio Lower Upper

41 100

39 77.2 66.8 100.2

76 34.3 31.1 46.7





#15

Acrylonitrile

Concen: 236.803 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

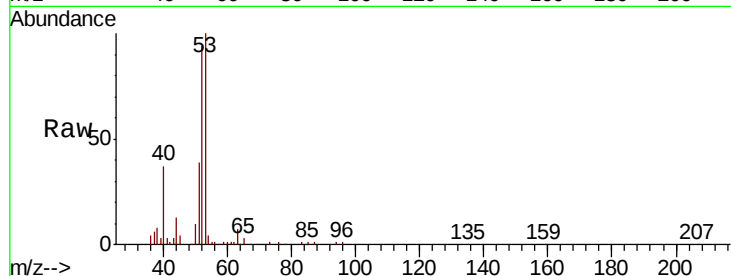
Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 75279

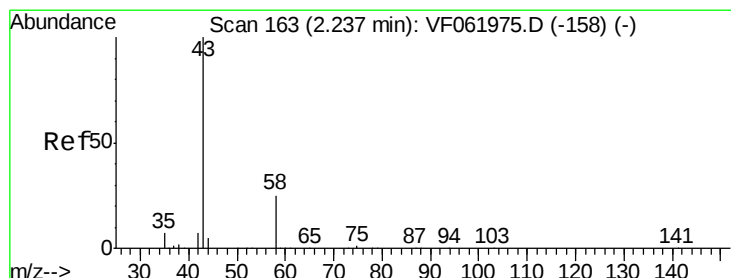
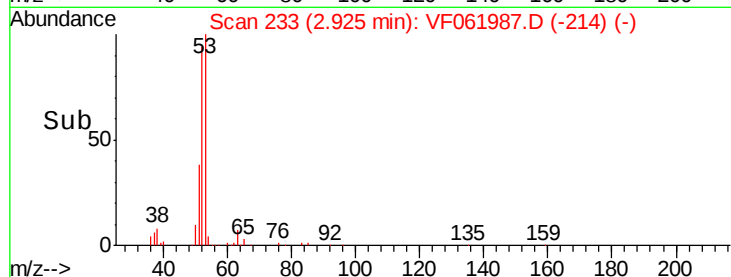
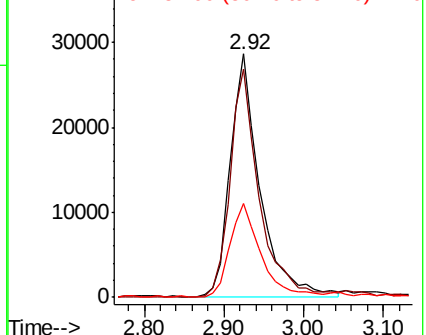
Ion	Ratio	Lower	Upper
53	100		
52	93.6	64.4	96.6
51	38.5	30.3	45.5



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: 213.376 ug/l

RT: 2.22 min Scan# 162

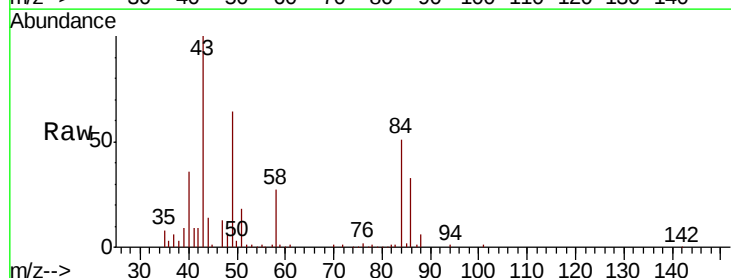
Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

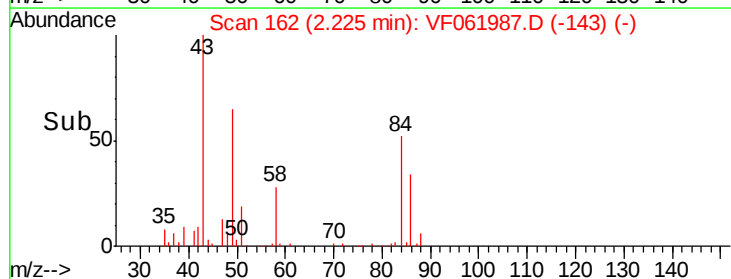
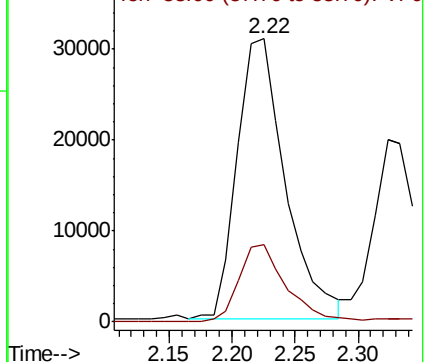
Tgt Ion: 43 Resp: 81857

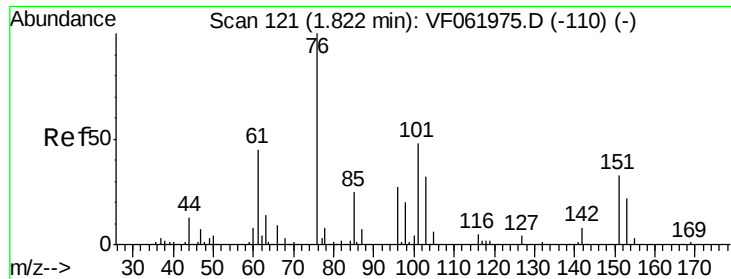
Ion	Ratio	Lower	Upper
43	100		
58	27.5	19.9	29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

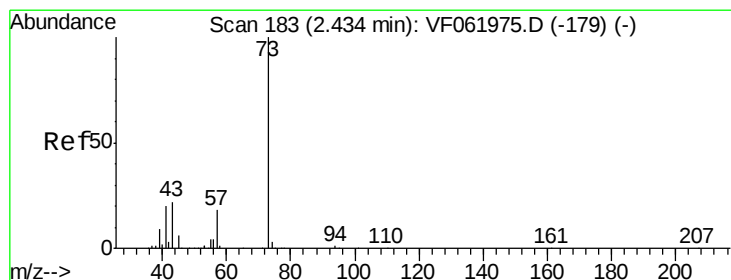
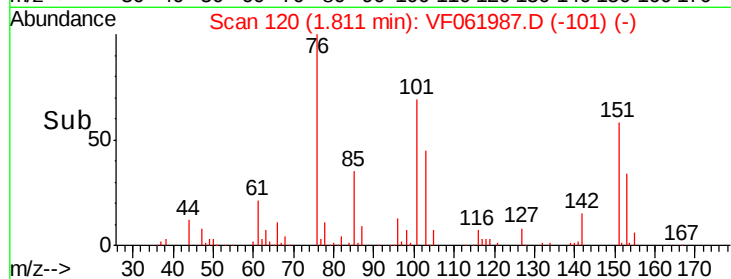
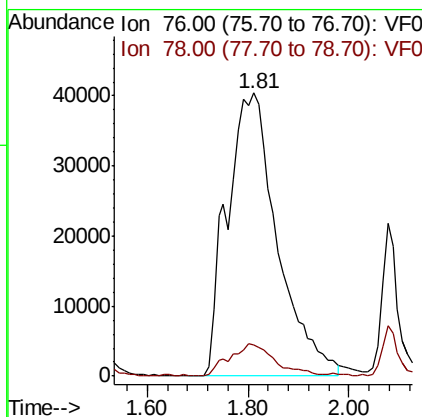
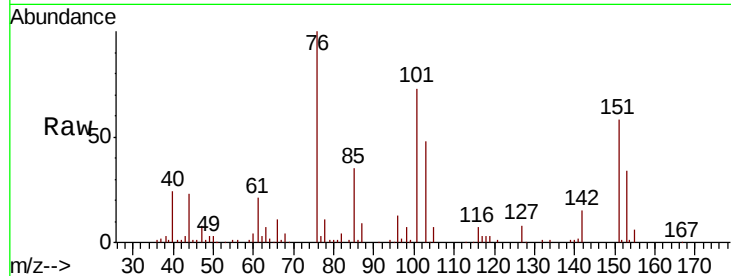




#17
Carbon Disulfide
Concen: 48.585 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

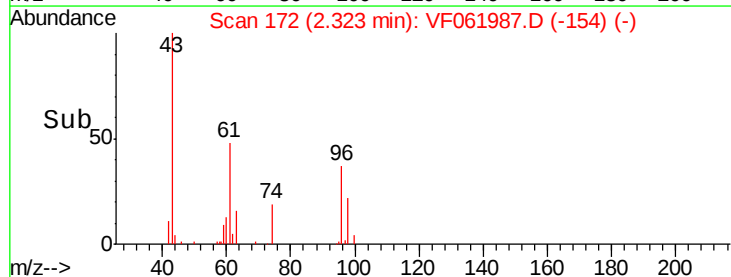
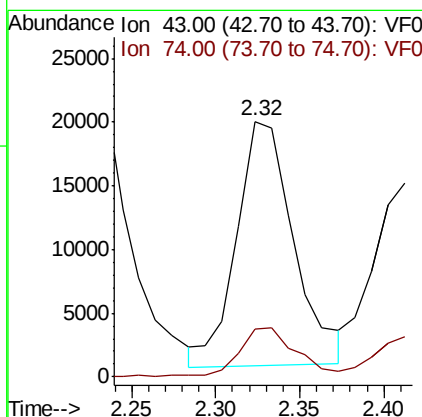
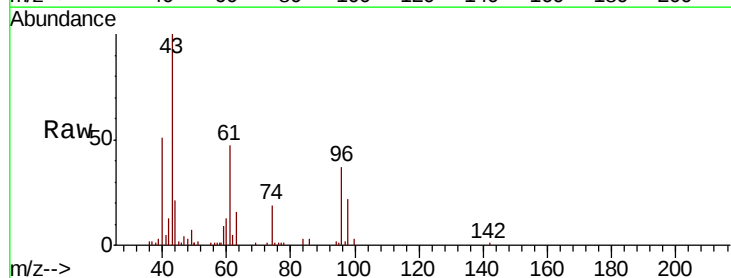
Instrument :
MSVOA_F
ClientSampleId :

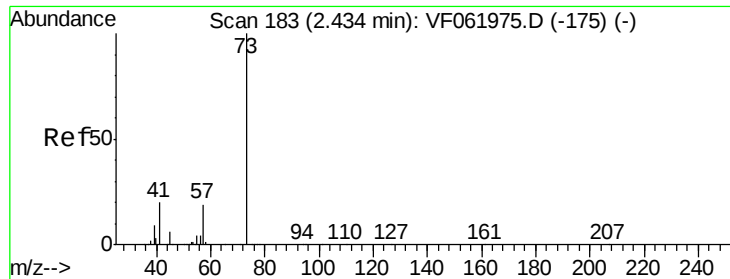
Tot Ion: 76 Resp: 281321
Ion Ratio Lower Upper
76 100
78 11.0 6.8 10.2#



#18
Methyl Acetate
Concen: 52.302 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 43 Resp: 45469
Ion Ratio Lower Upper
43 100
74 18.9 18.3 27.5

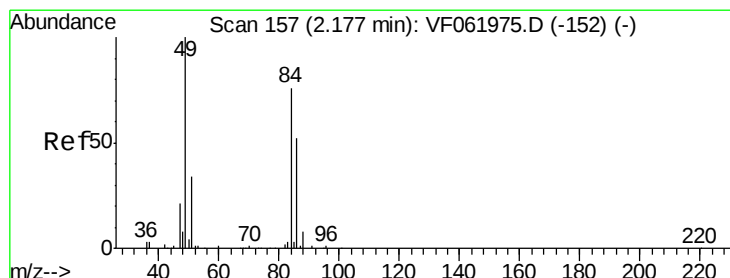
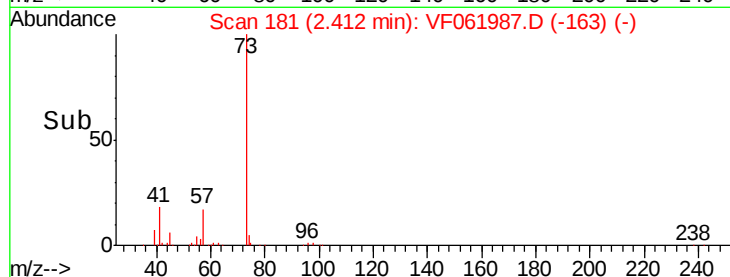
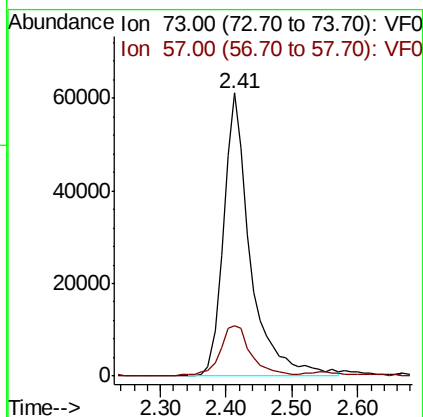
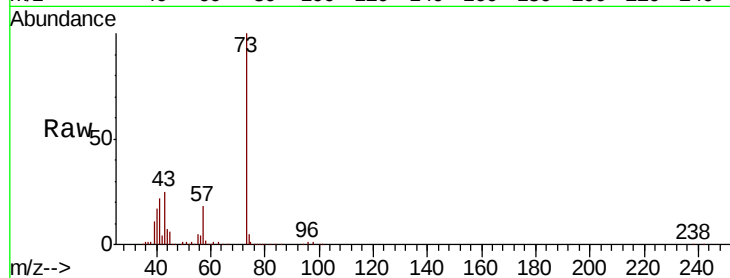




#19
Methyl tert-butyl Ether
Concen: 47.945 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

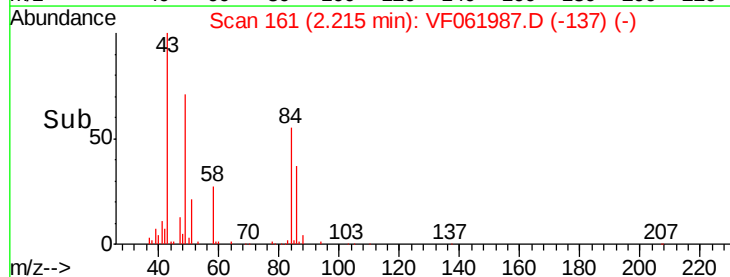
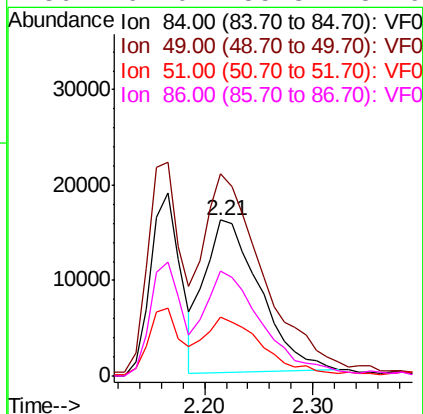
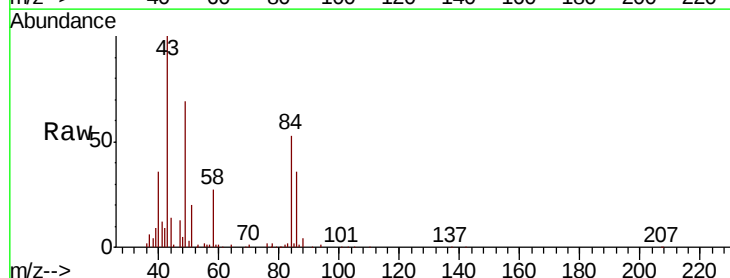
Instrument :
MSVOA_F
ClientSampleId :

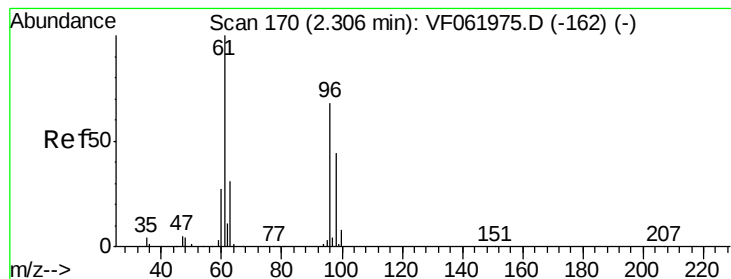
Tot Ion: 73 Resp: 174023
Ion Ratio Lower Upper
73 100
57 18.0 15.3 22.9



#20
Methylene Chloride
Concen: 28.457 ug/l
RT: 2.21 min Scan# 161
Delta R.T. 0.04 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 84 Resp: 56959
Ion Ratio Lower Upper
84 100
49 129.4 107.0 160.6
51 37.7 37.2 55.8
86 67.0 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 48.043 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :

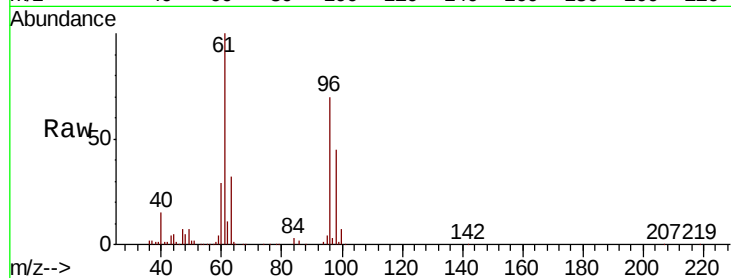
Tot Ion: 96 Resp: 100426

Ion Ratio Lower Upper

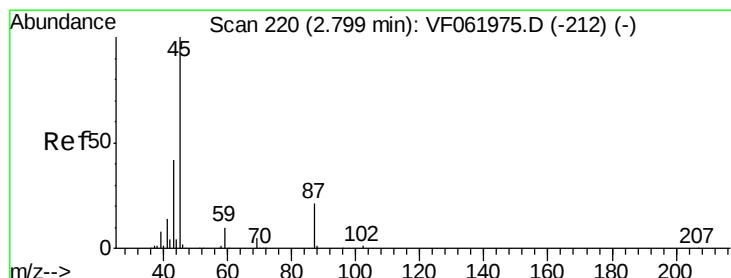
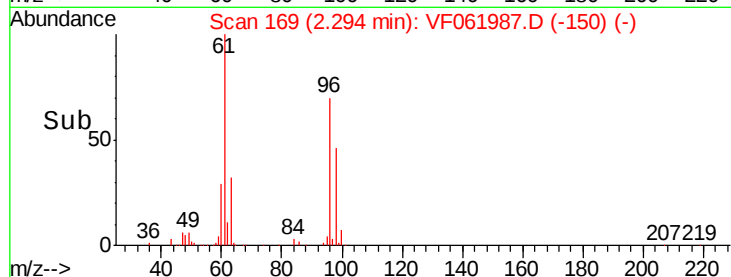
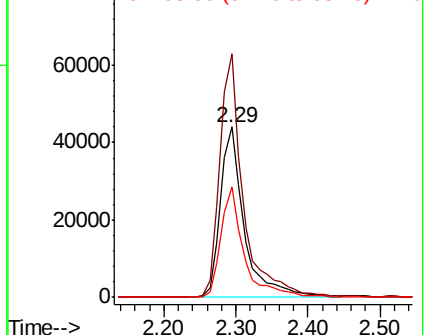
96 100

61 143.2 117.4 176.2

98 65.1 51.2 76.8



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



#22

Diisopropyl ether

Concen: 46.102 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion: 45 Resp: 283541

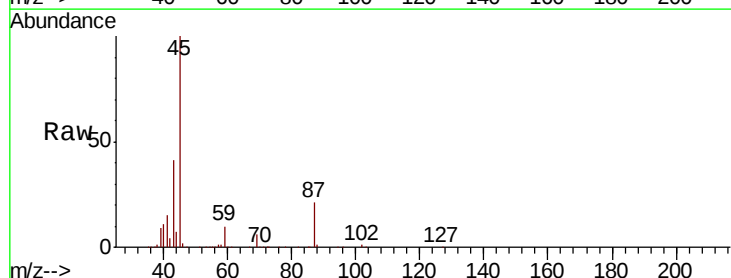
Ion Ratio Lower Upper

45 100

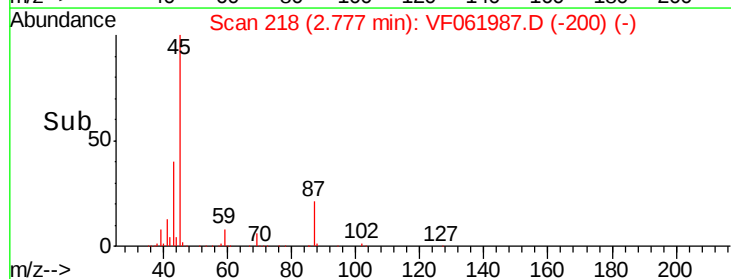
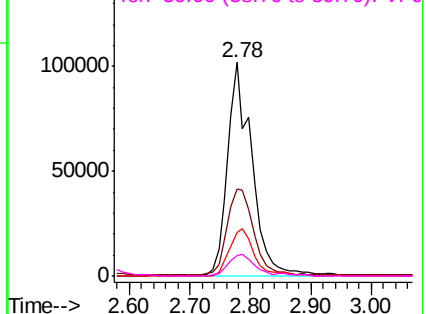
43 40.7 33.7 50.5

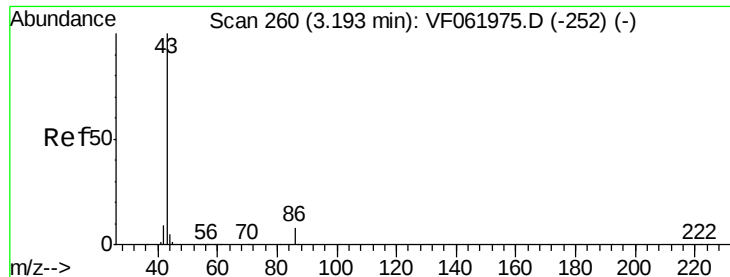
87 20.7 17.1 25.7

59 9.7 8.0 12.0



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 265.372 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

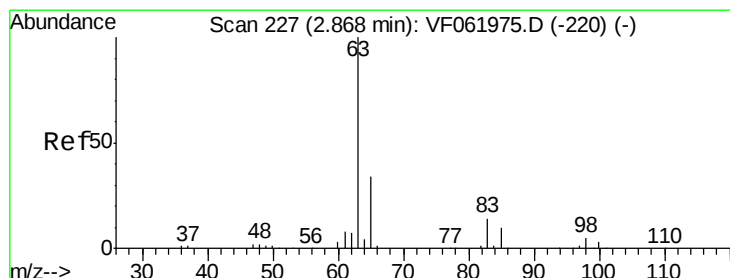
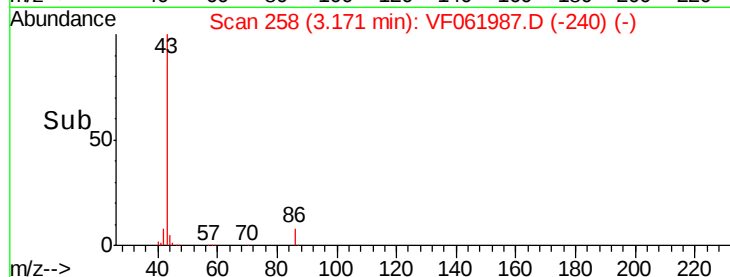
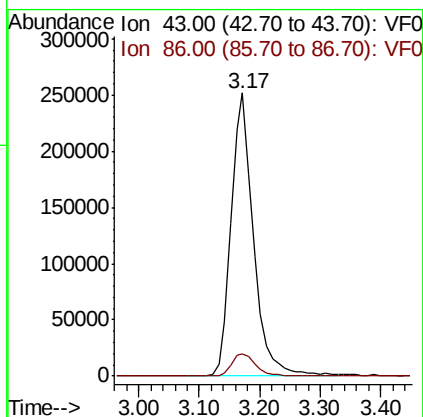
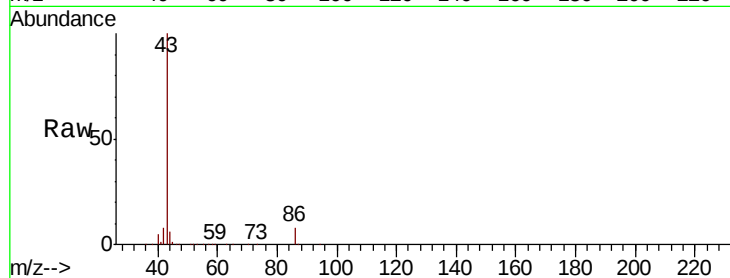
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 643393

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 48.657 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

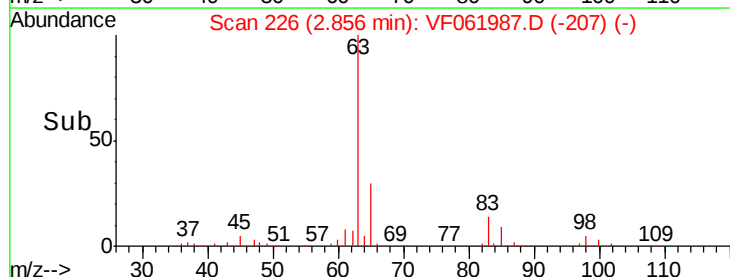
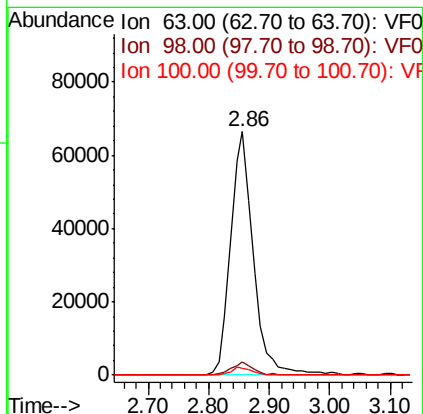
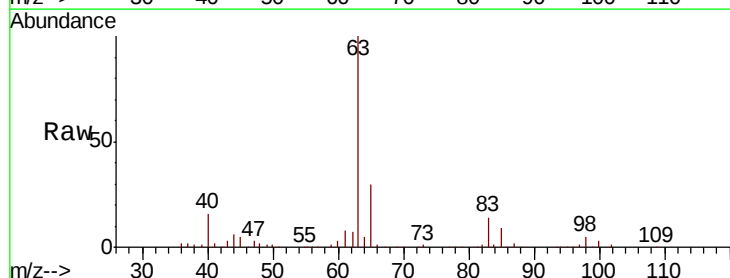
Tgt Ion: 63 Resp: 174004

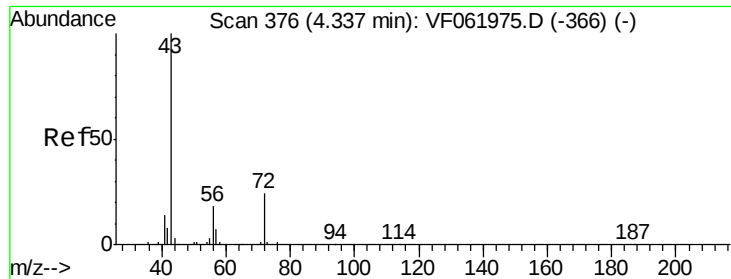
Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 236.037 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

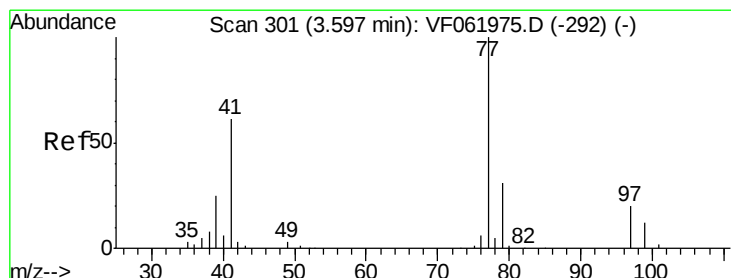
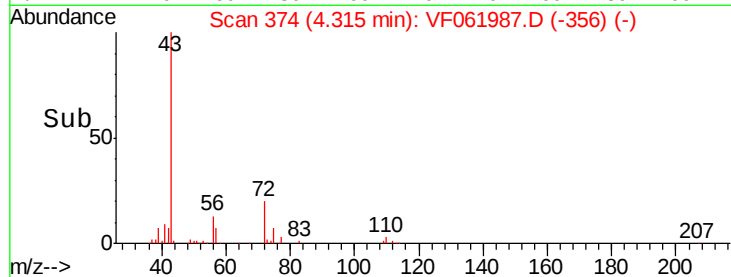
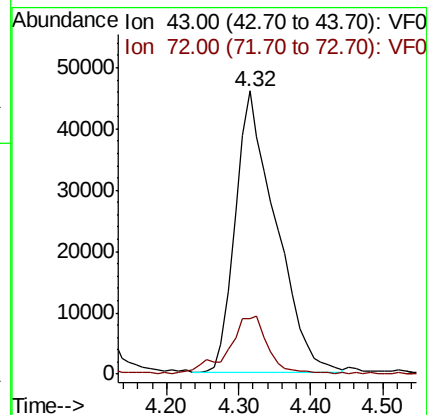
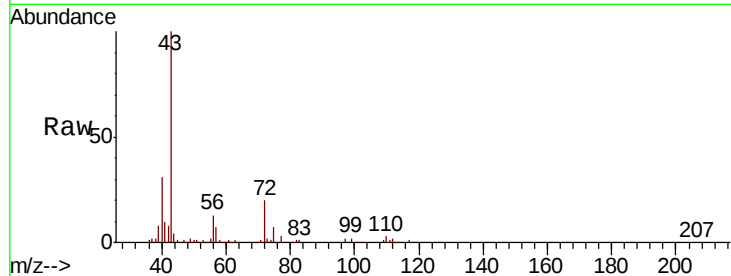
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 179332

Ion Ratio Lower Upper

43 100

72 19.7 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 45.472 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF061987.D

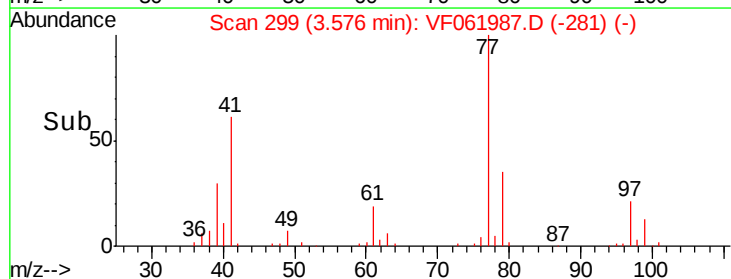
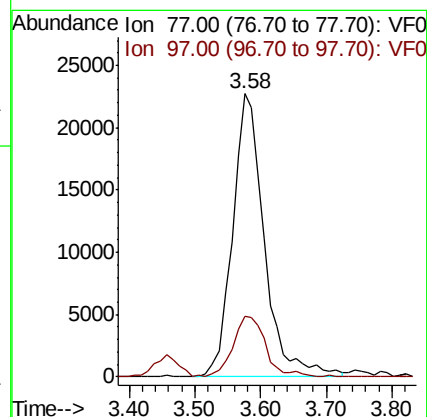
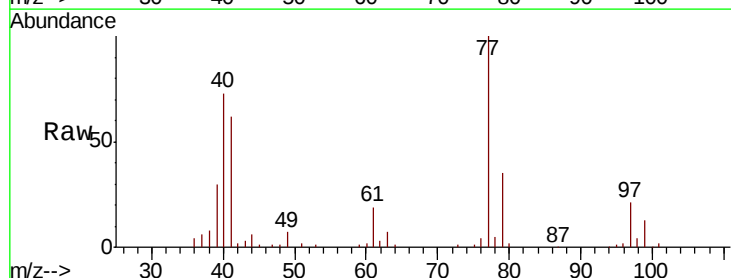
Acq: 16 Mar 2019 21:21

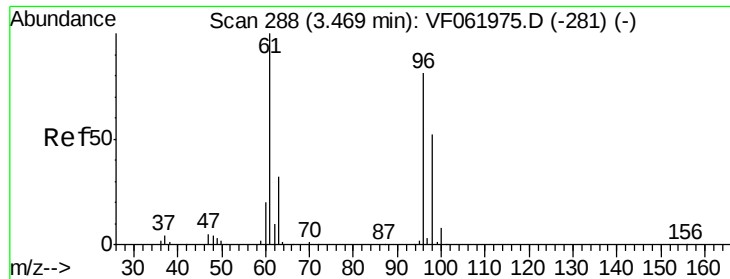
Tgt Ion: 77 Resp: 76702

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.4



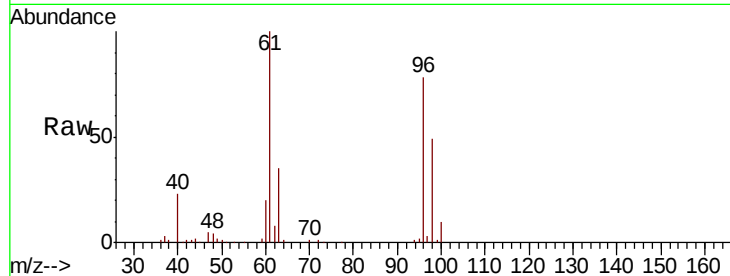


#27

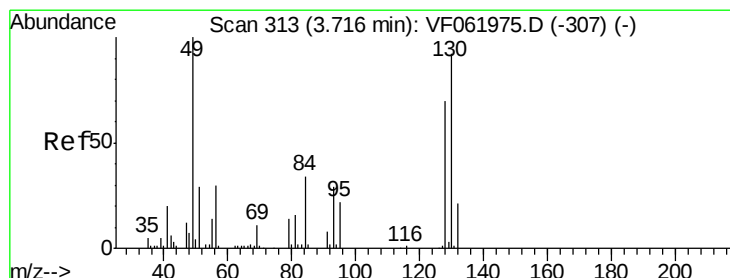
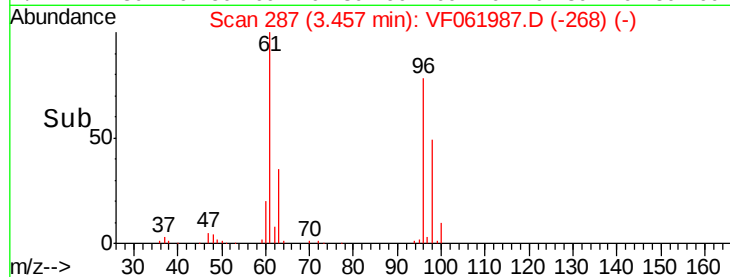
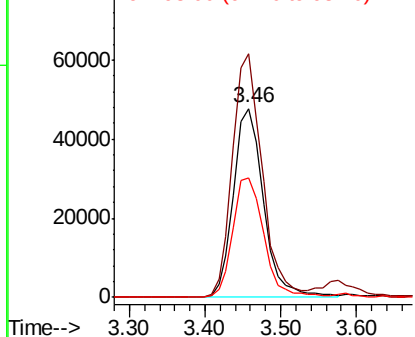
cis-1,2-Dichloroethene
 Concen: 50.186 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 96 Resp: 132223
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 246.6
 98 63.4 0.0 129.2



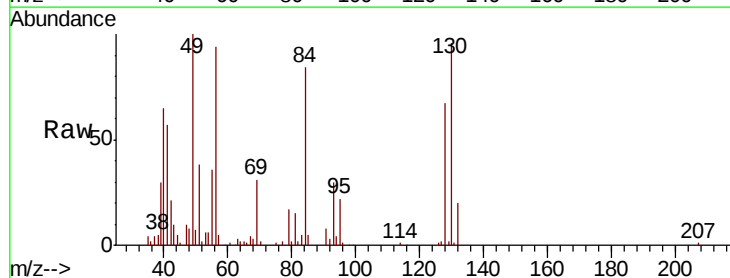
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



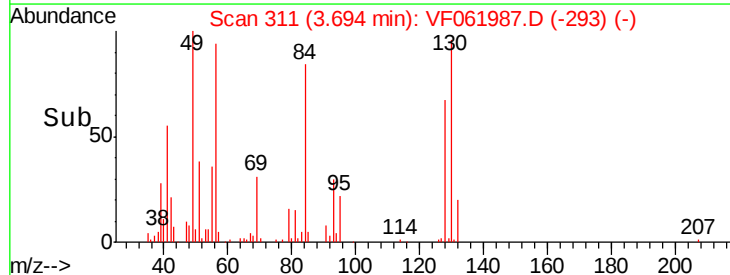
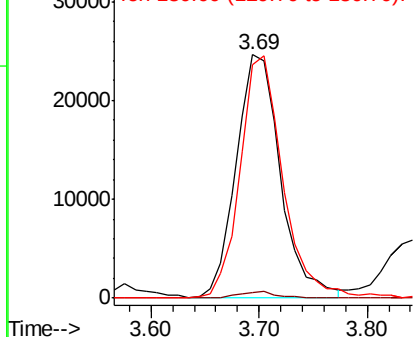
#28

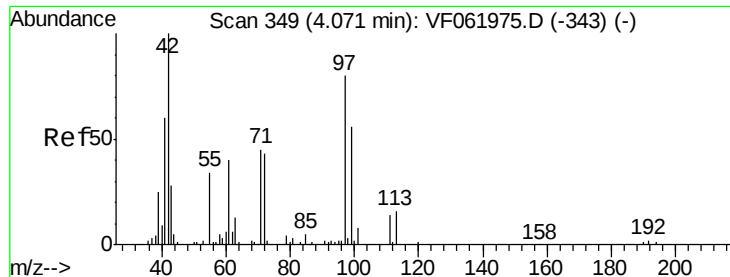
Bromochloromethane
 Concen: 47.743 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion: 49 Resp: 70844
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.8
 130 95.7 73.1 109.7



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

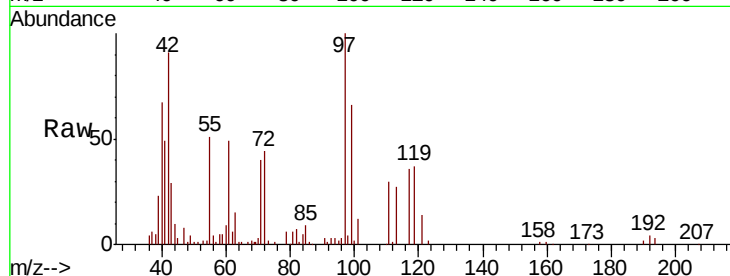




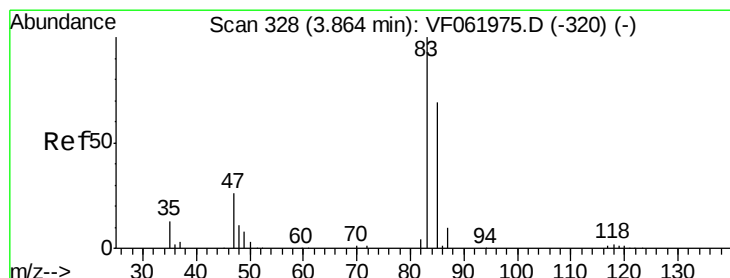
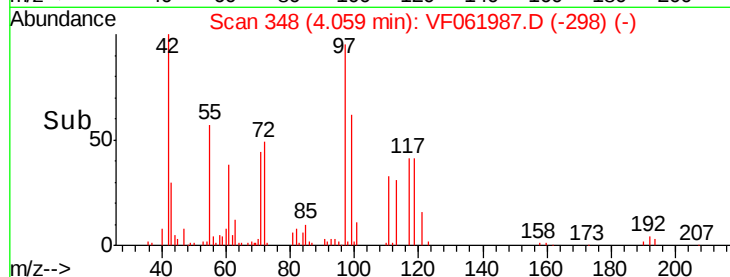
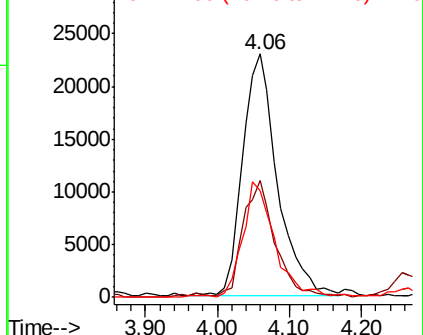
#29
Tetrahydrofuran
Concen: 232.624 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 76863
Ion Ratio Lower Upper
42 100
72 45.2 34.0 51.0
71 44.6 34.2 51.4

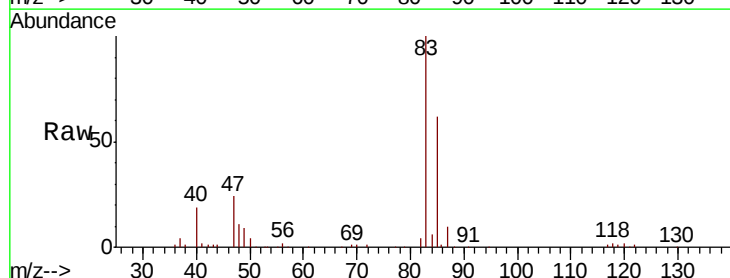


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

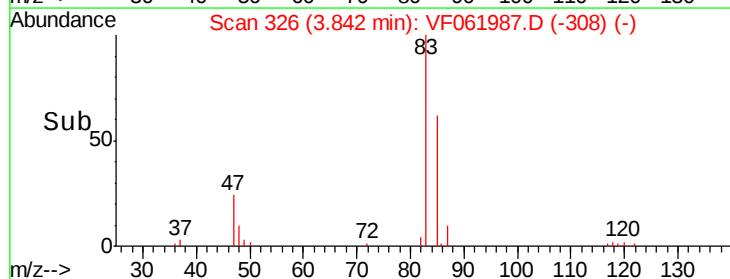
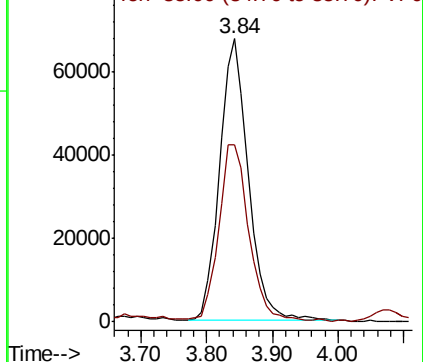


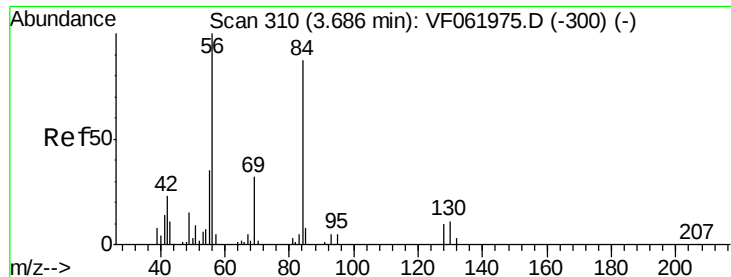
#30
Chloroform
Concen: 50.495 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 83 Resp: 204599
Ion Ratio Lower Upper
83 100
85 62.4 55.5 83.3



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





#31

Cyclohexane

Concen: 48.975 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :

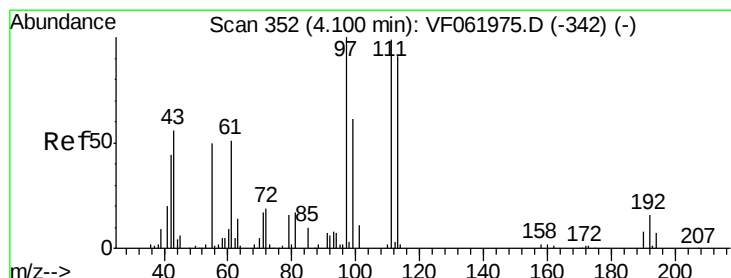
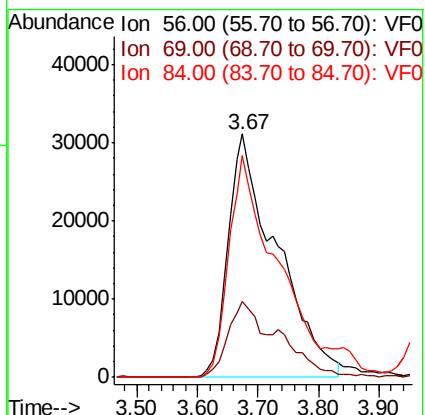
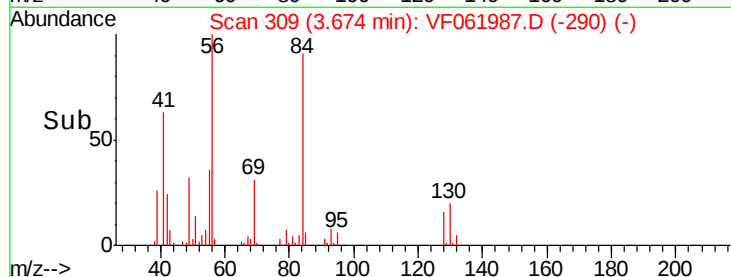
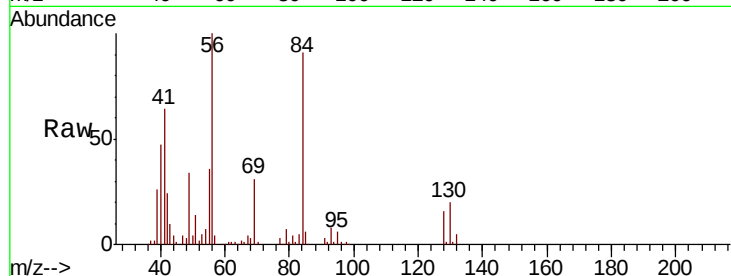
Tot Ion: 56 Resp: 173021

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.8

84 90.9 69.5 104.3



#32

1,1,1-Trichloroethane

Concen: 54.210 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

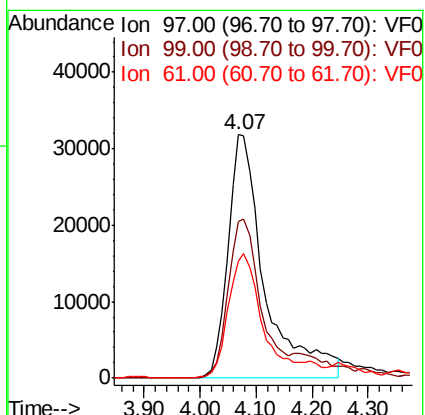
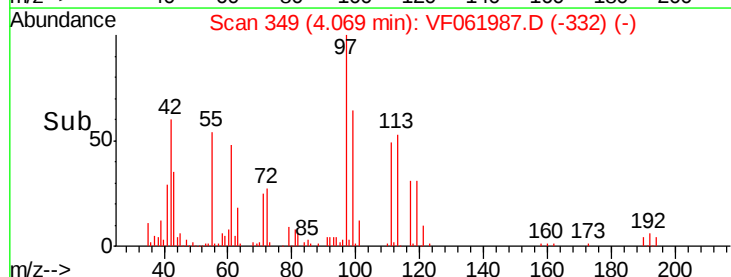
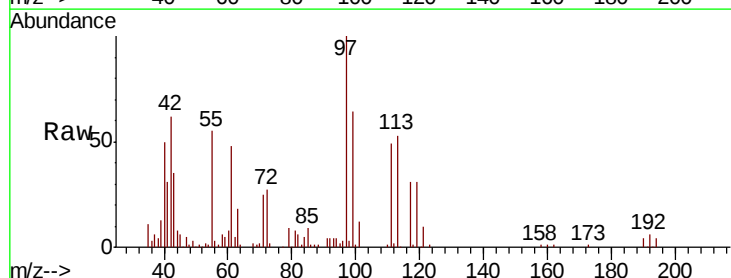
Tgt Ion: 97 Resp: 145873

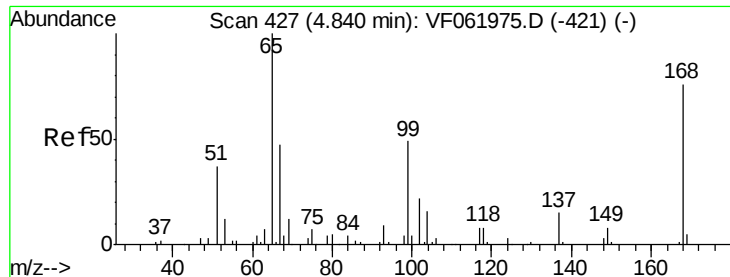
Ion Ratio Lower Upper

97 100

99 64.2 49.0 73.4

61 48.1 41.4 62.0

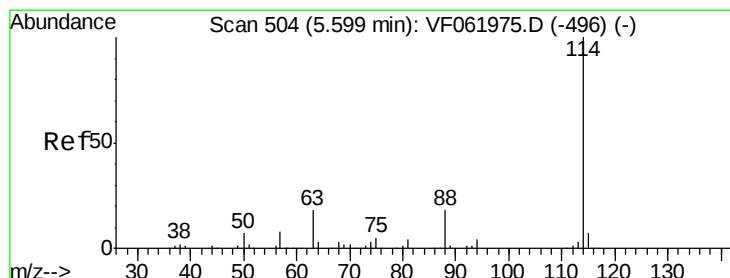
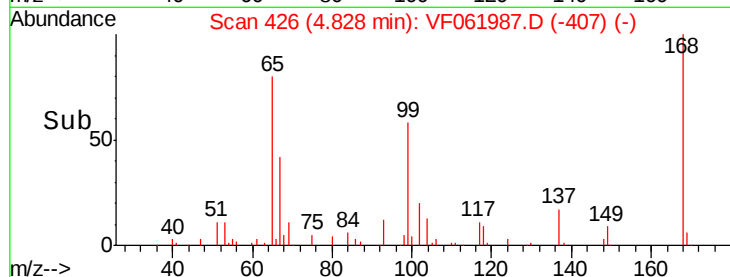
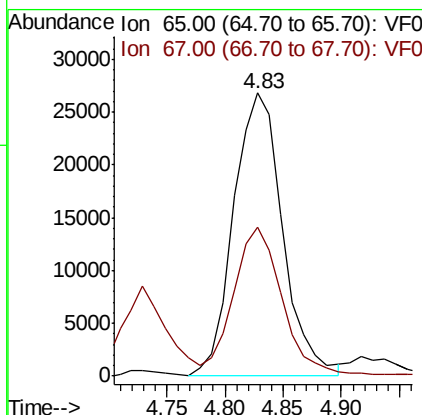
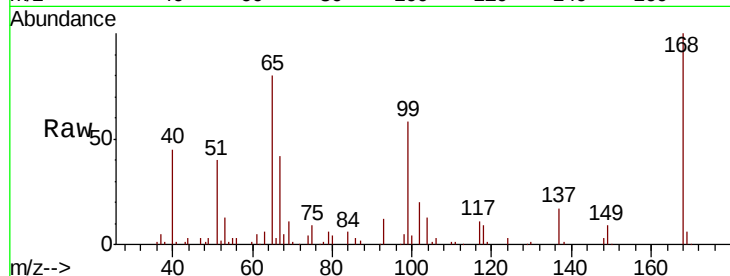




#33
 1,2-Dichloroethane-d4
 Concen: 45.832 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

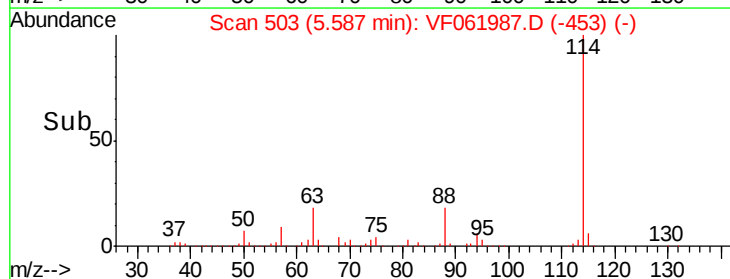
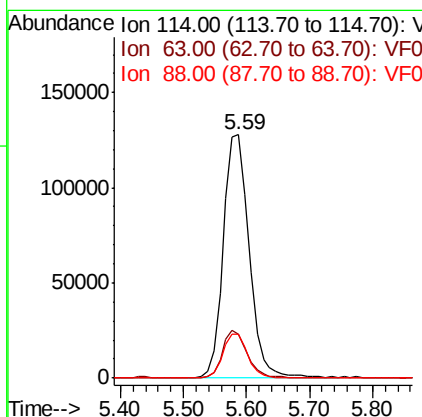
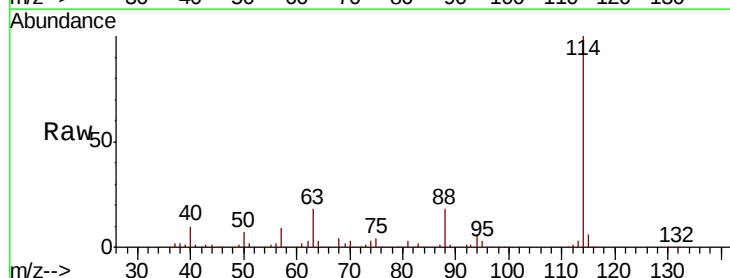
Instrument :
 MSVOA_F
 ClientSampleId :

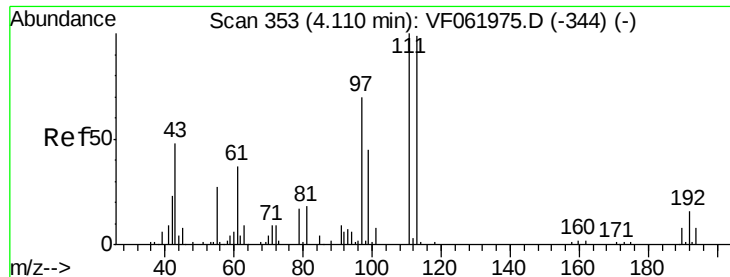
Tot Ion: 65 Resp: 78300
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion: 114 Resp: 365684
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.4
 88 18.2 0.0 36.4

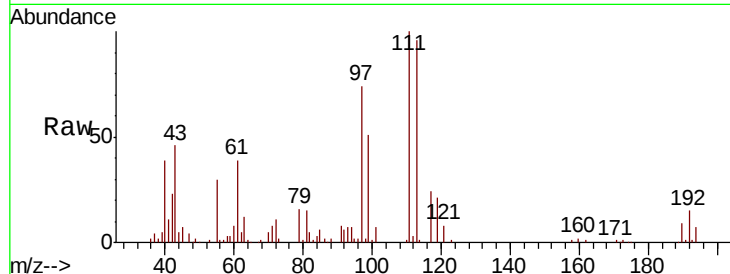




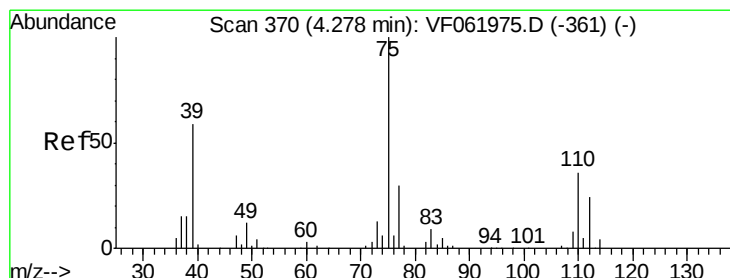
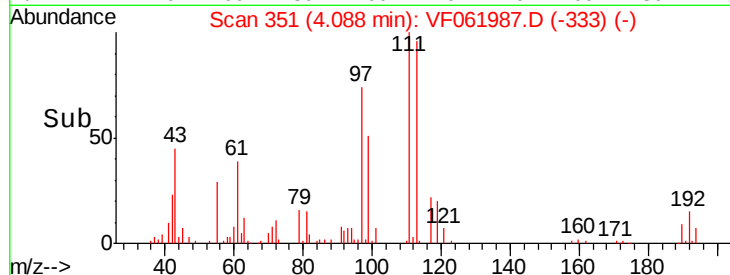
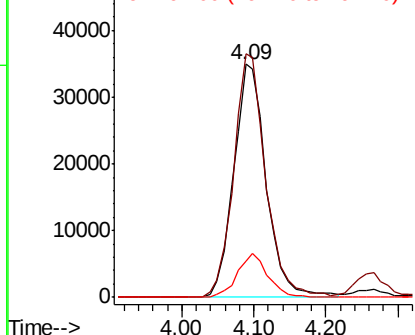
#35
 Dibromofluoromethane
 Concen: 44.614 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.8	121.2
192	15.7	13.0	19.6

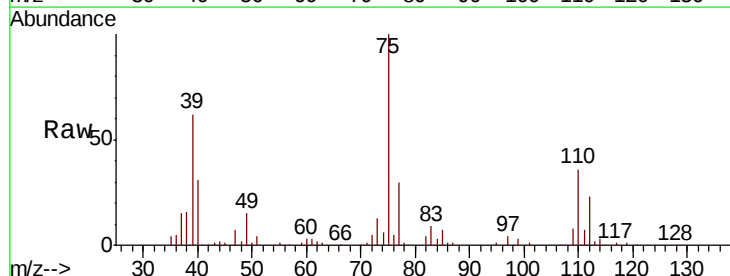


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

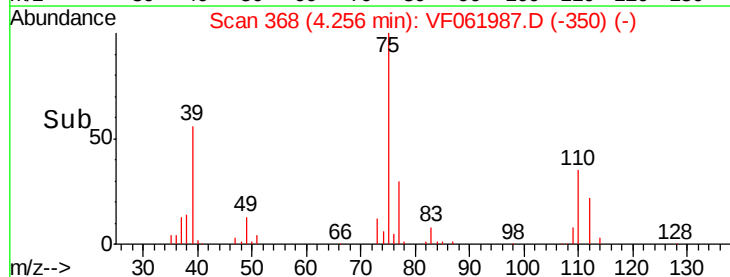
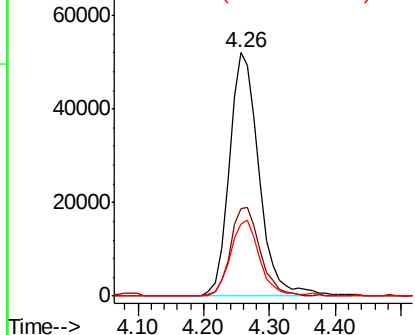


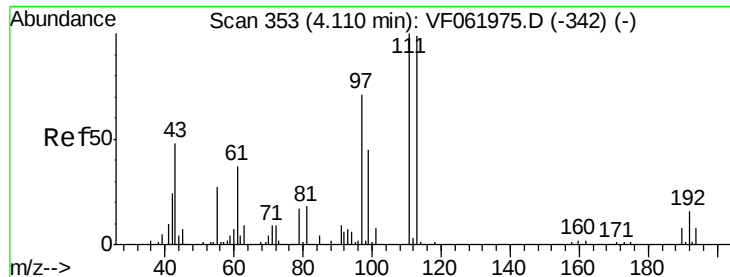
#36
 1,1-Dichloropropene
 Concen: 49.726 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.02 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.8	53.3
77	29.8	24.2	36.2



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: 44.542 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampled :

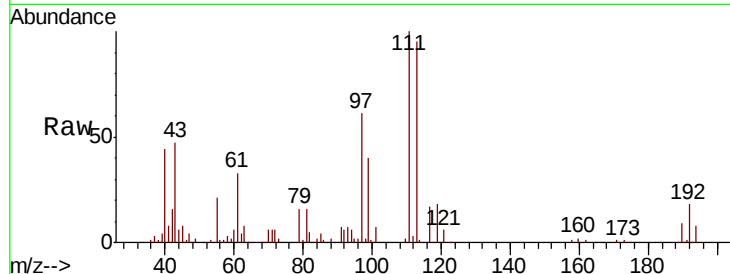
Tot Ion: 43 Resp: 66045

Ion Ratio Lower Upper

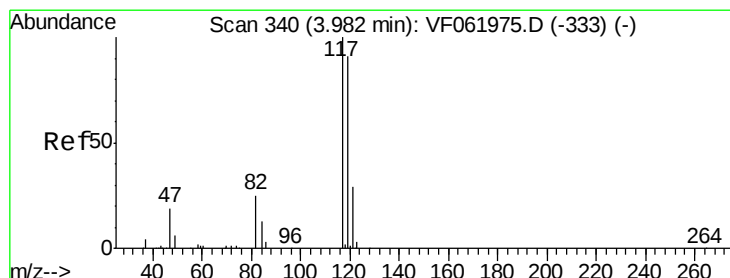
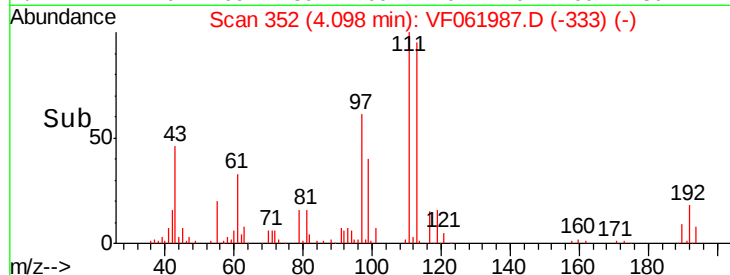
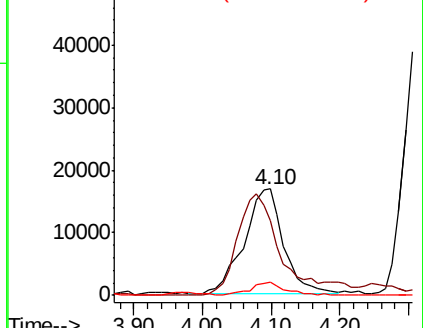
43 100

61 70.5 59.8 89.6

70 13.0 7.8 11.8#



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: 51.973 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

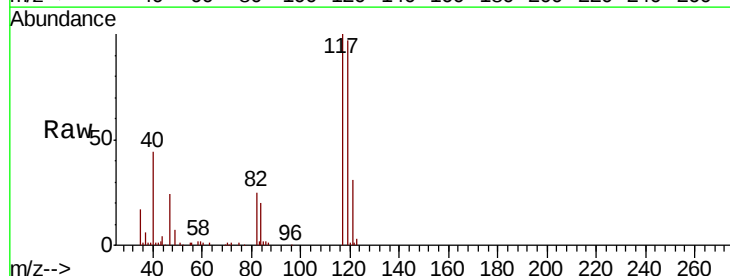
Tgt Ion: 117 Resp: 125432

Ion Ratio Lower Upper

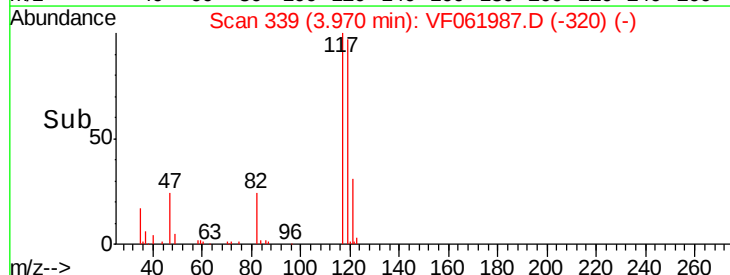
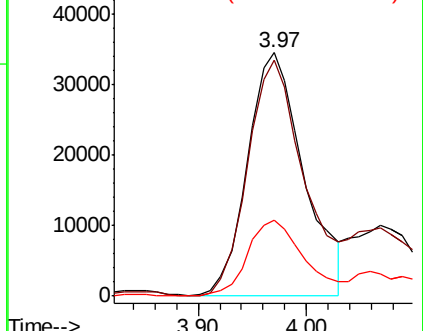
117 100

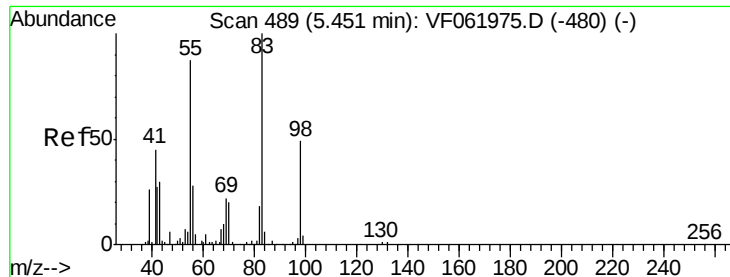
119 96.7 73.0 109.4

121 31.1 23.0 34.6



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

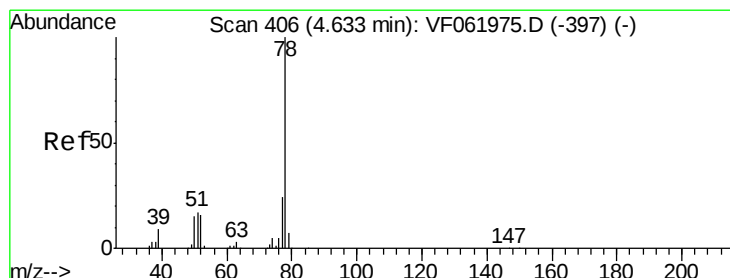
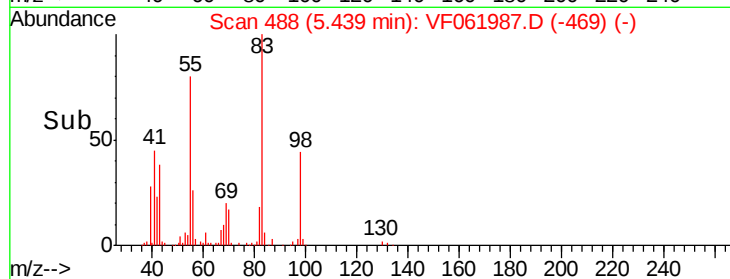
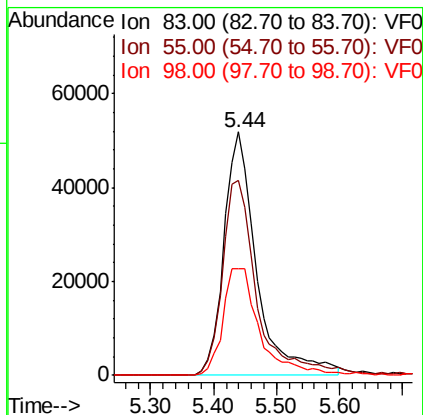
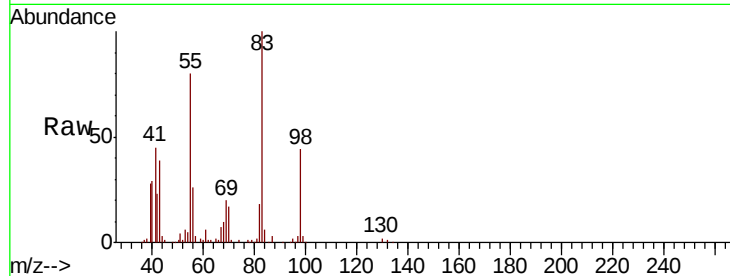




#39
Methvlcvclohexane
Concen: 48.415 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

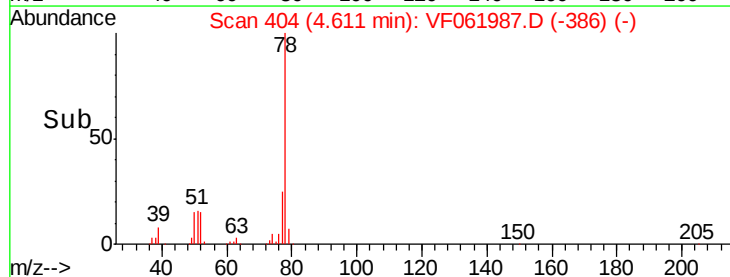
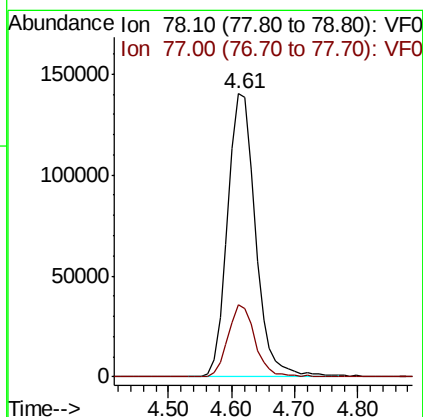
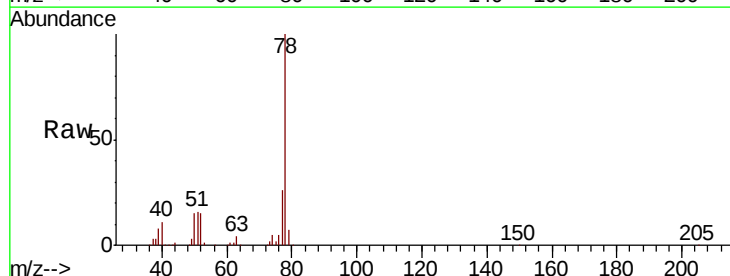
Instrument :
MSVOA_F
ClientSampleId :

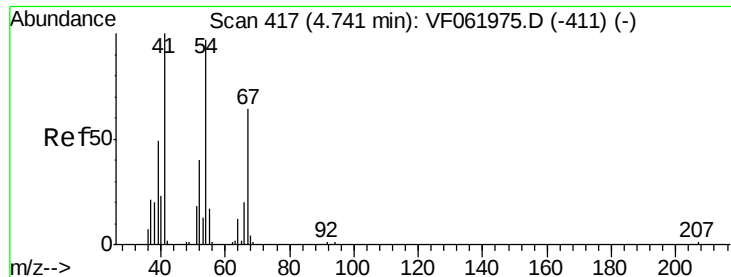
Tot Ion: 83 Resp: 187696
Ion Ratio Lower Upper
83 100
55 79.9 69.7 104.5
98 43.7 39.4 59.0



#40
Benzene
Concen: 49.152 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 78 Resp: 430098
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.4

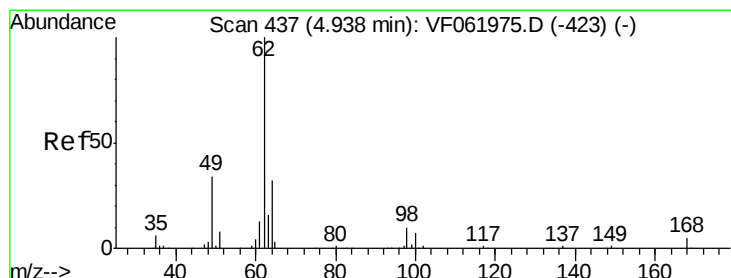
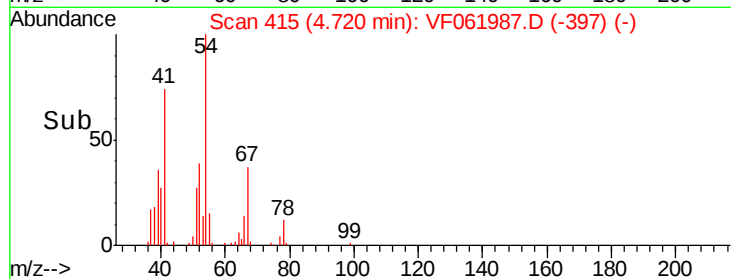
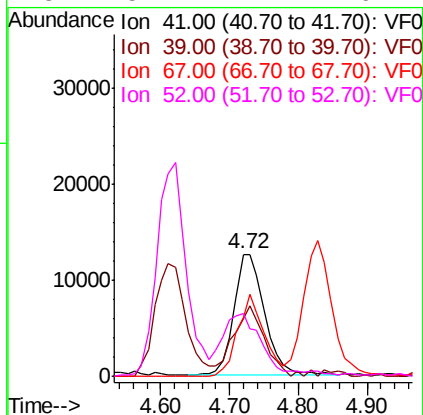
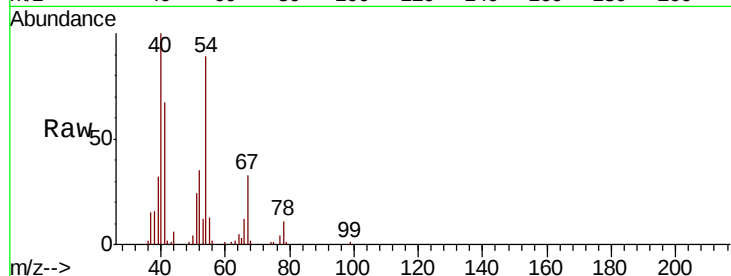




#41
Methacrylonitrile
Concen: 48.986 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

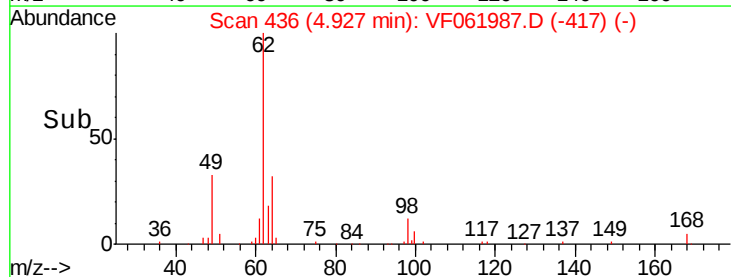
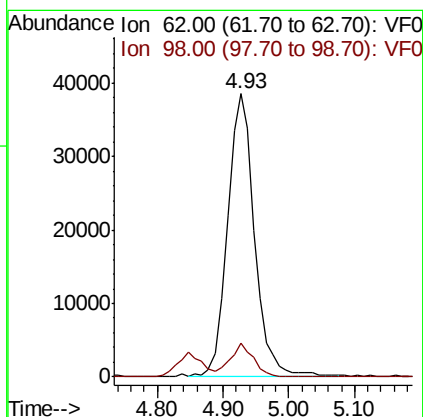
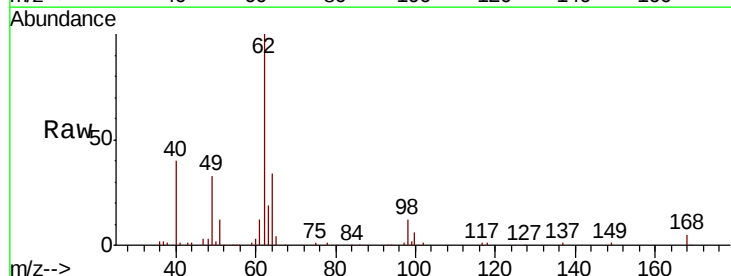
Instrument :
MSVOA_F
ClientSampleId :

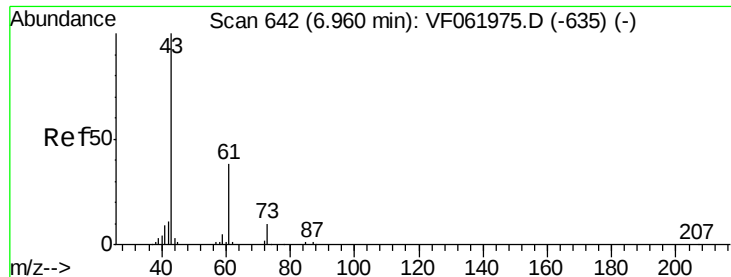
Tot Ion	Ratio	Lower	Upper
41	100		
39	47.6	46.2	69.4
67	48.8	49.8	74.8#
52	51.7	42.7	64.1



#42
1,2-Dichloroethane
Concen: 50.046 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	19.8



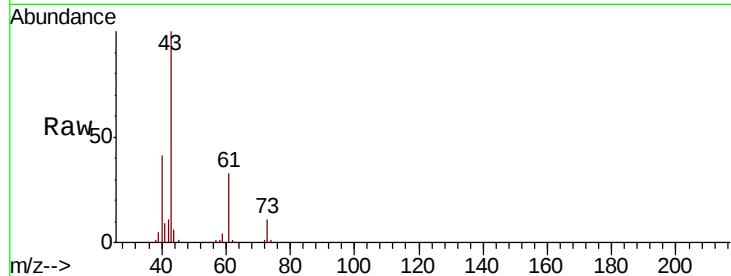


#43

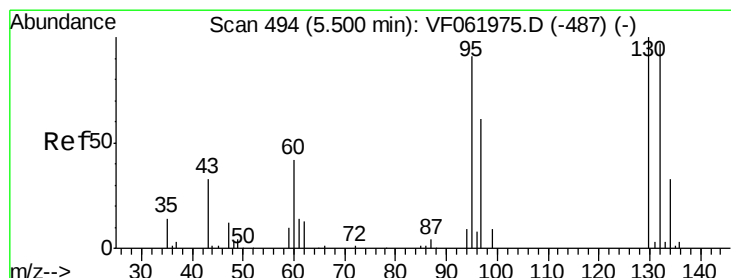
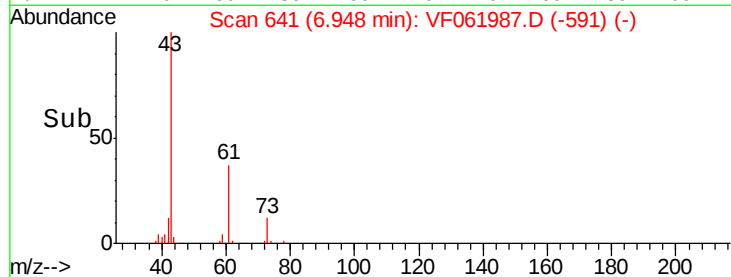
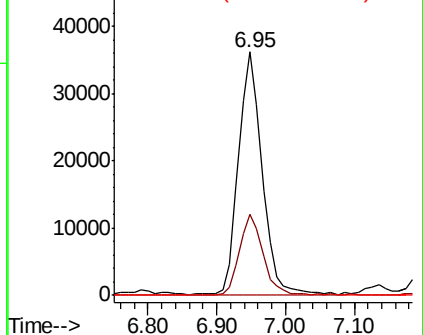
Isopropyl Acetate
 Concen: 49.887 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 43 Resp: 87519
 Ion Ratio Lower Upper
 43 100
 61 33.5 30.1 45.1
 87 0.0 0.4 0.6#



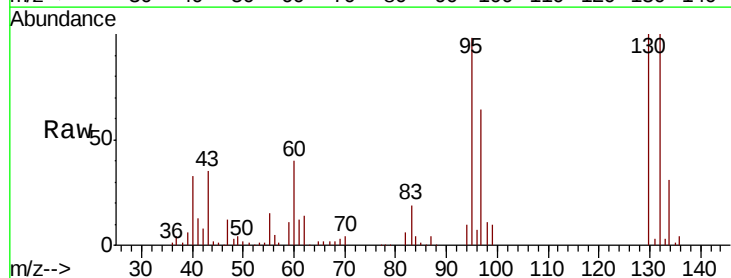
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



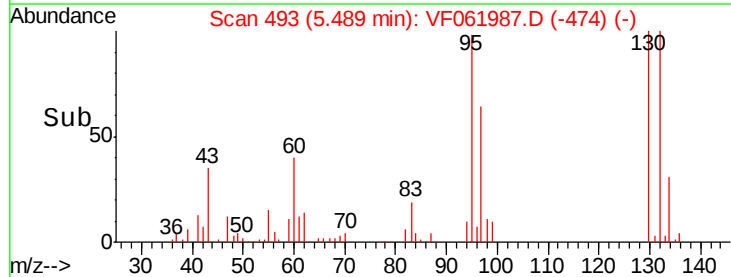
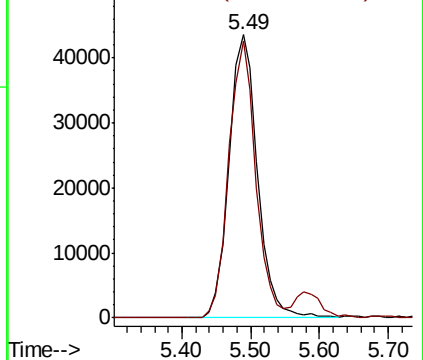
#44

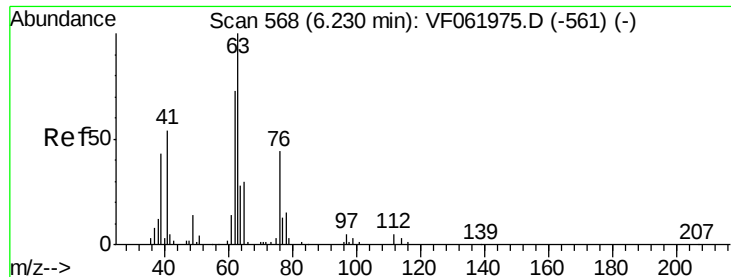
Trichloroethene
 Concen: 46.703 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion: 130 Resp: 125188
 Ion Ratio Lower Upper
 130 100
 95 97.7 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.545 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

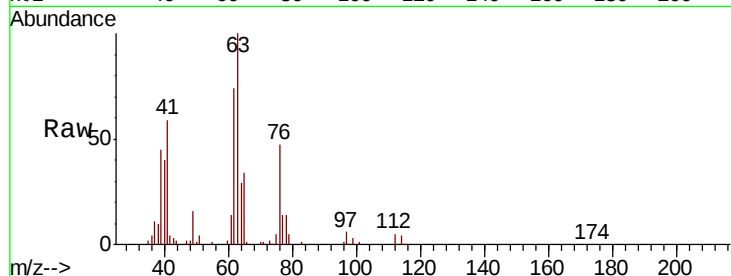
ClientSampleId :

Tot Ion: 63 Resp: 100528

Ion Ratio Lower Upper

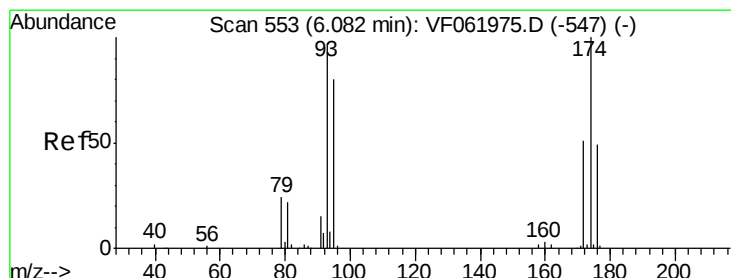
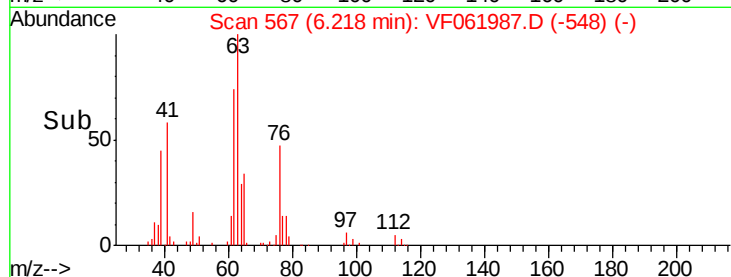
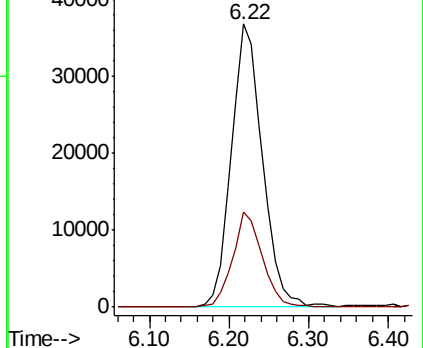
63 100

65 33.8 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 53.067 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

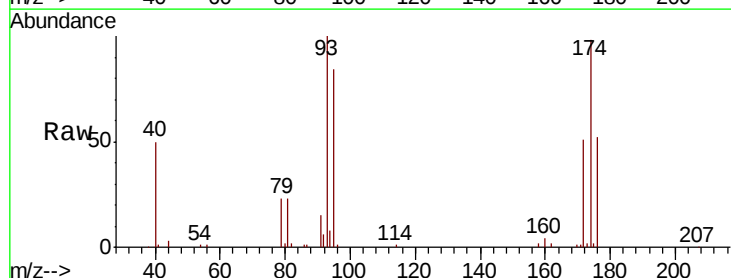
Tgt Ion: 93 Resp: 65373

Ion Ratio Lower Upper

93 100

95 83.9 65.7 98.5

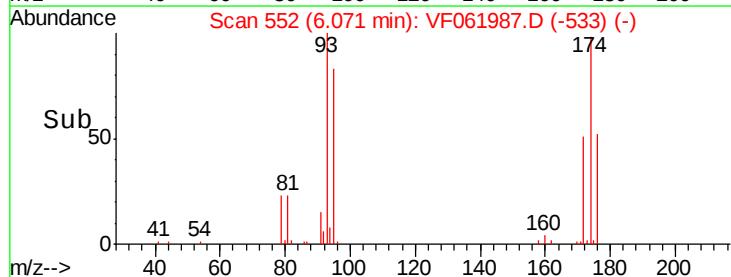
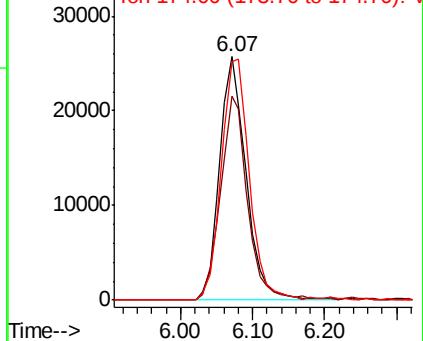
174 98.2 82.2 123.4

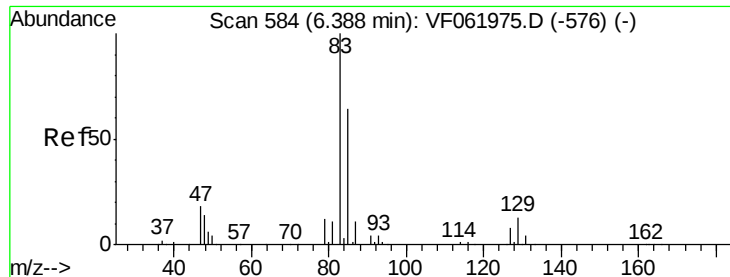


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 50.827 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

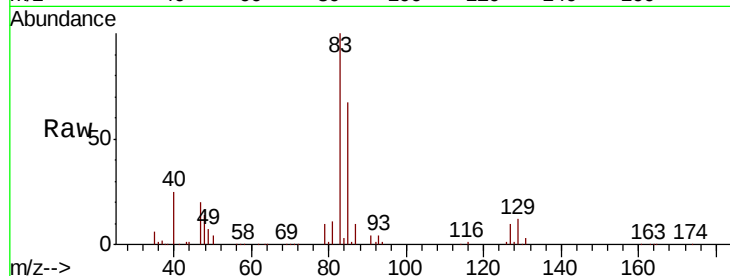
Tot Ion: 83 Resp: 147616

Ion Ratio Lower Upper

83 100

85 67.4 51.4 77.2

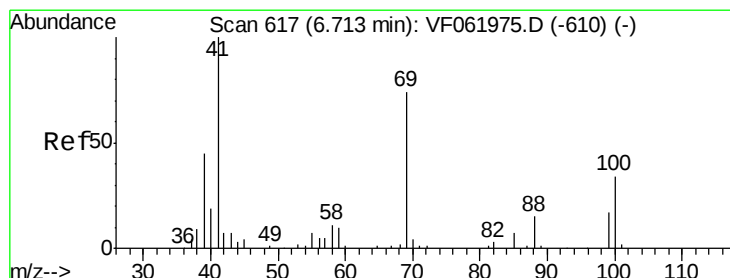
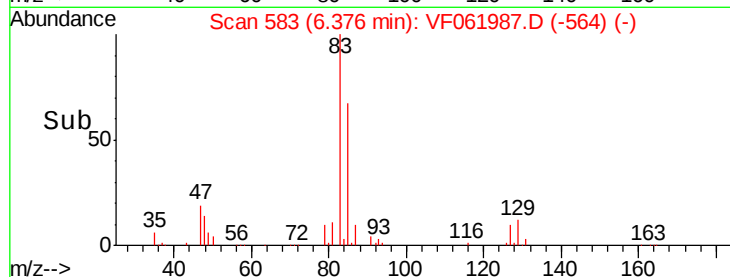
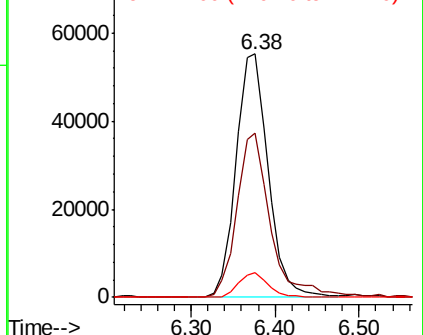
127 10.0 6.5 9.7#



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: 48.471 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

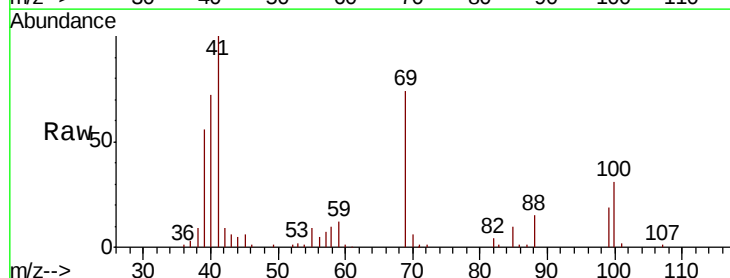
Tgt Ion: 41 Resp: 54958

Ion Ratio Lower Upper

41 100

69 74.4 59.0 88.6

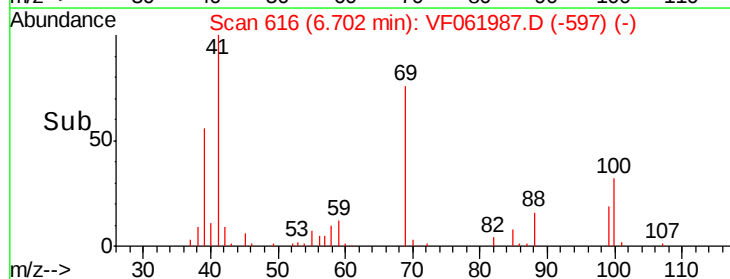
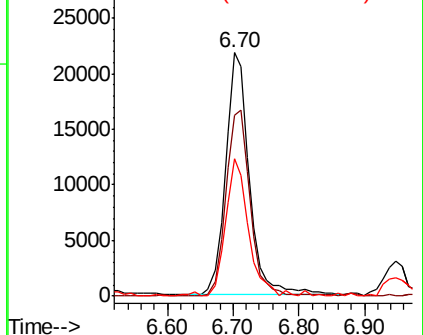
39 56.3 35.6 53.4#

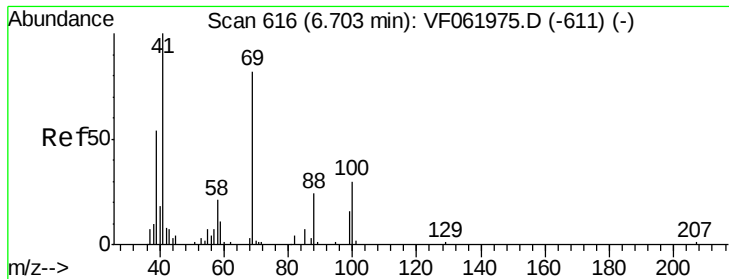


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 919.945 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :

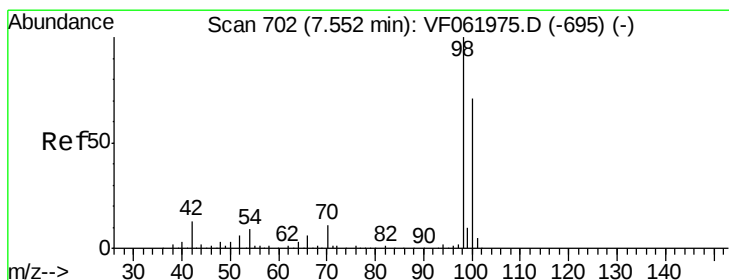
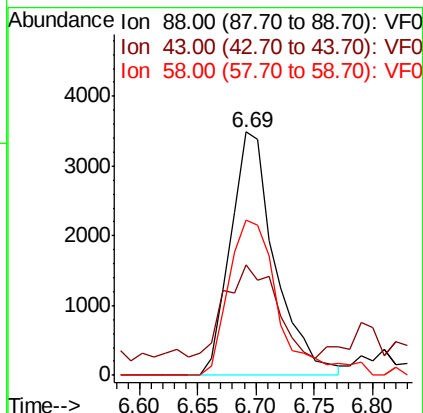
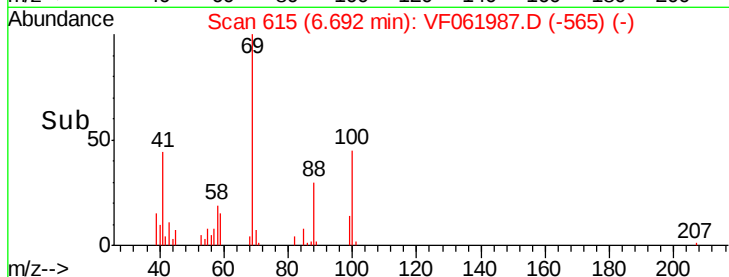
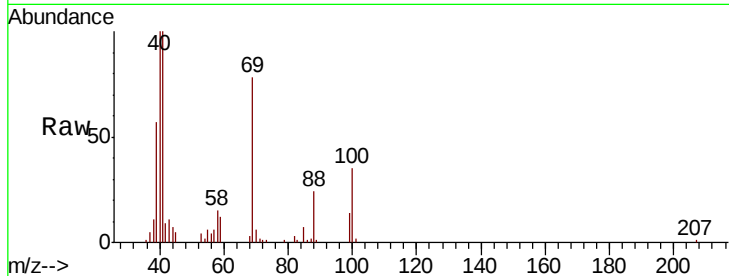
Tot Ion: 88 Resp: 9278

Ion Ratio Lower Upper

88 100

43 45.3 31.2 46.8

58 63.6 69.9 104.9#



#50

Toluene-d8

Concen: 42.952 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061987.D

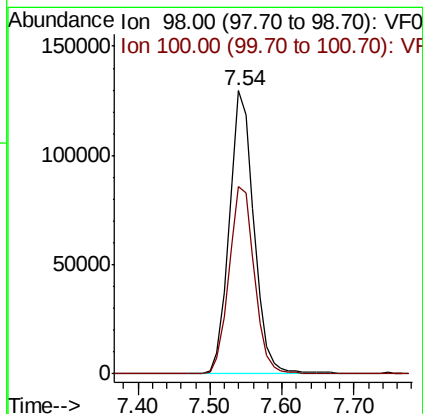
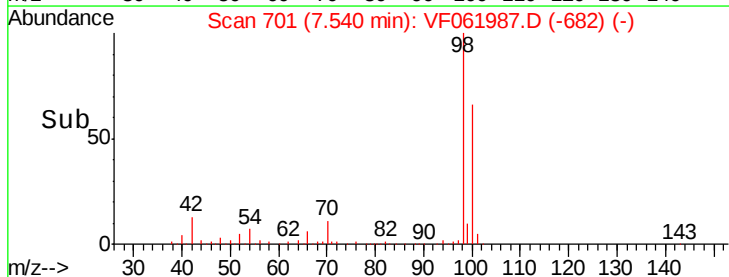
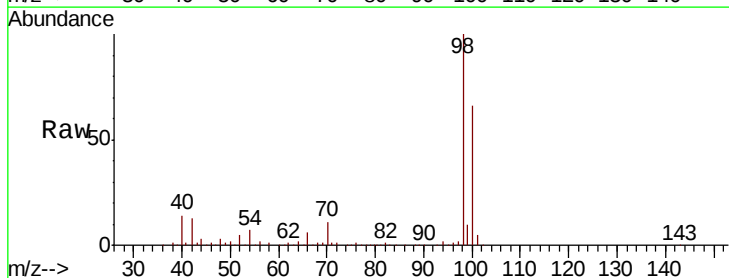
Acq: 16 Mar 2019 21:21

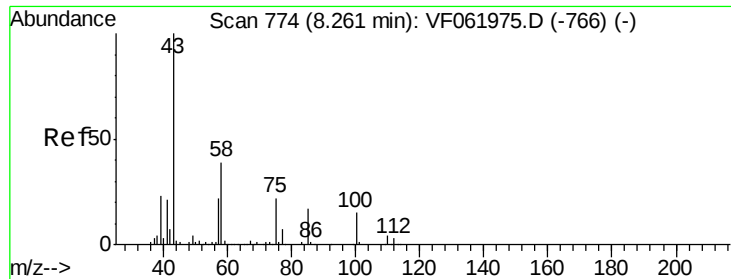
Tgt Ion: 98 Resp: 308336

Ion Ratio Lower Upper

98 100

100 66.3 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 243.335 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

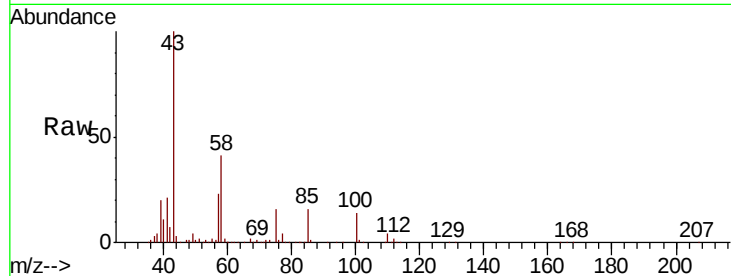
ClientSampleId :

Tot Ion: 43 Resp: 303143

Ion Ratio Lower Upper

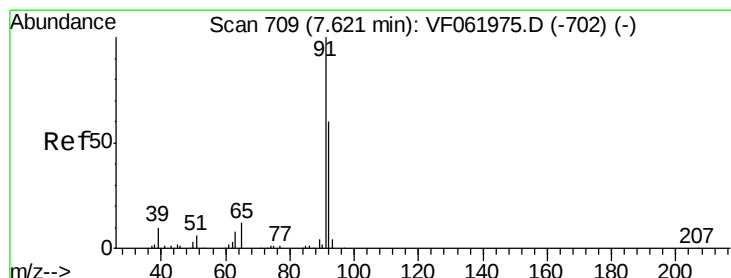
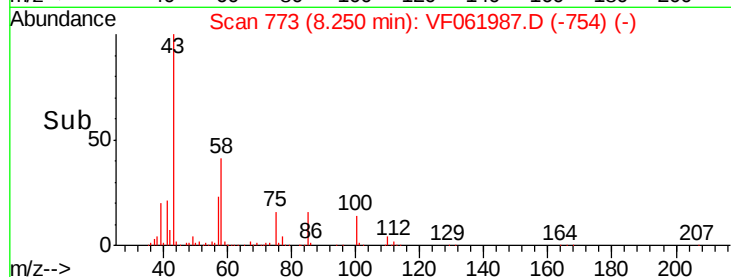
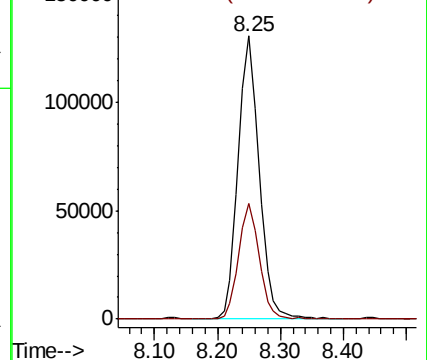
43 100

58 40.8 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.744 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061987.D

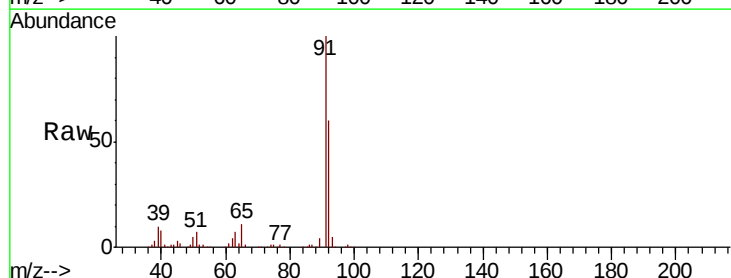
Acq: 16 Mar 2019 21:21

Tgt Ion: 92 Resp: 260605

Ion Ratio Lower Upper

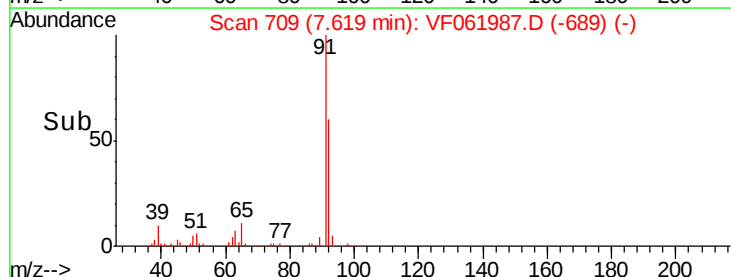
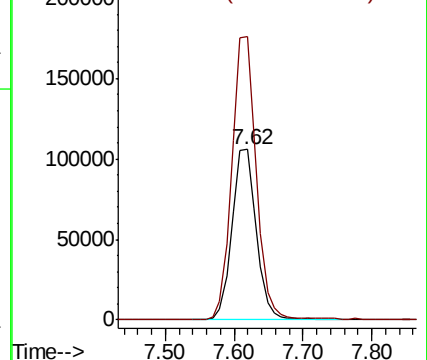
92 100

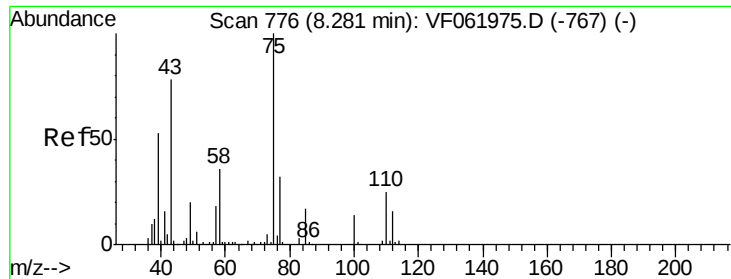
91 166.2 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

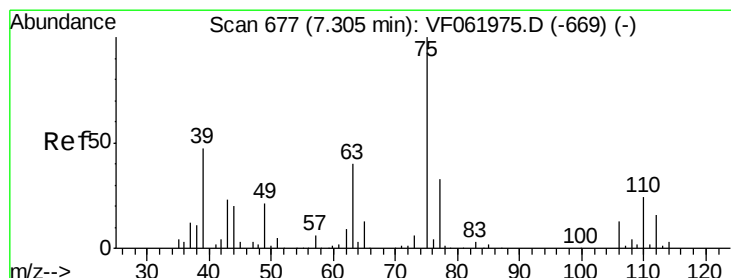
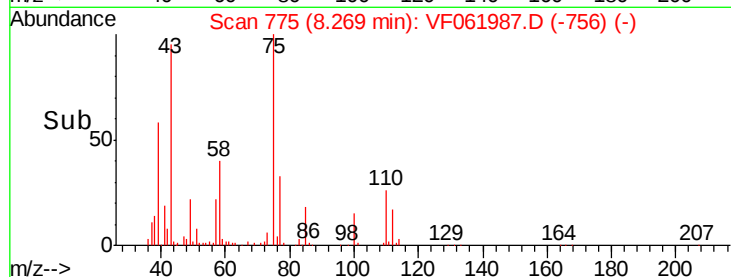
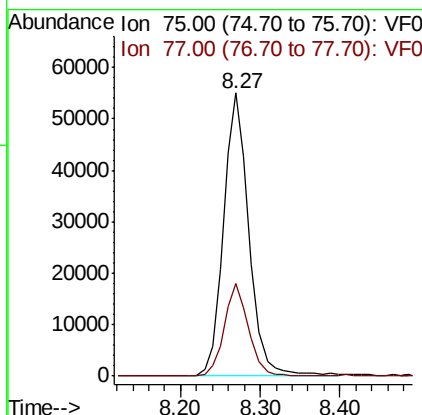
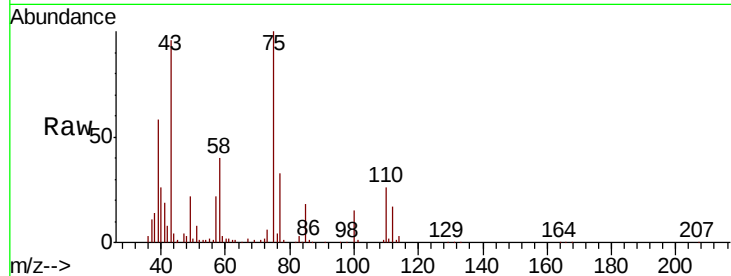




#53
 t-1,3-Dichloropropene
 Concen: 50.309 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

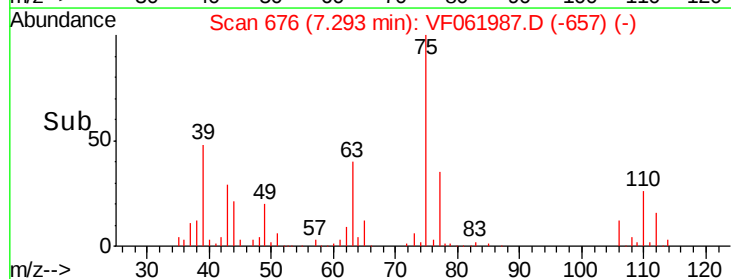
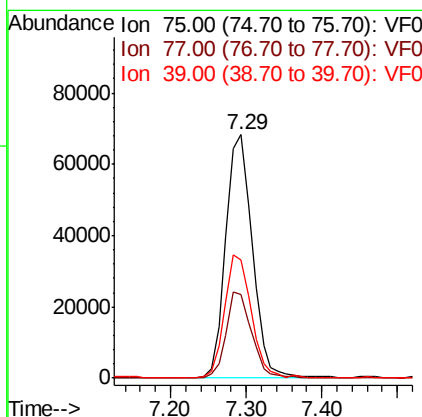
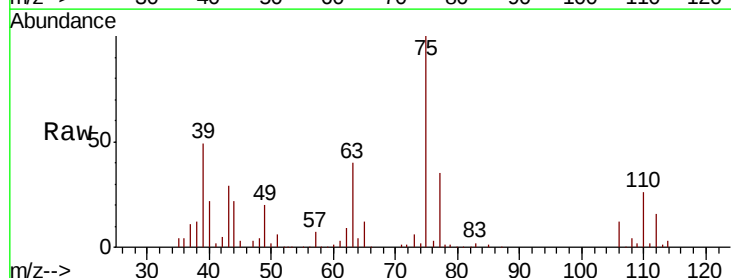
Instrument :
 MSVOA_F
 ClientSampleId :

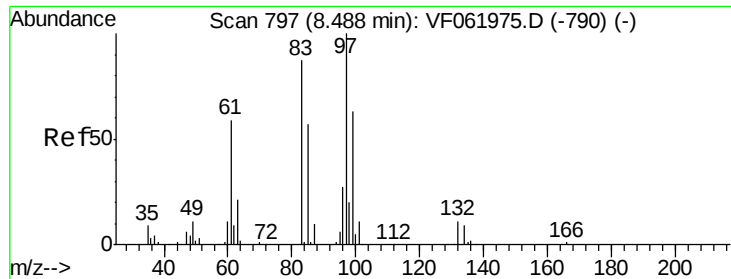
Tot Ion: 75 Resp: 123353
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 52.201 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion: 75 Resp: 167007
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.4 39.6
 39 48.5 38.0 57.0

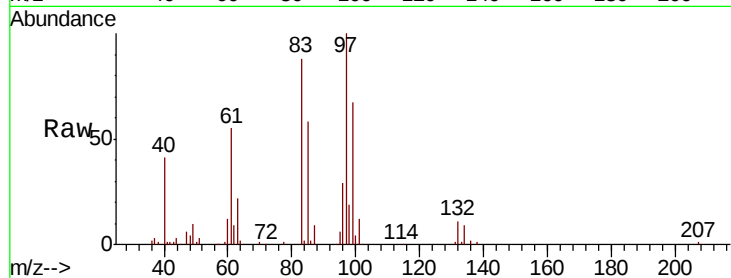




#55
 1,1,2-Trichloroethane
 Concen: 49.543 ug/l
 RT: 8.48 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	97	Resp	73927
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.7	104.5
85	58.5	45.8	68.6
99	66.9	50.3	75.5



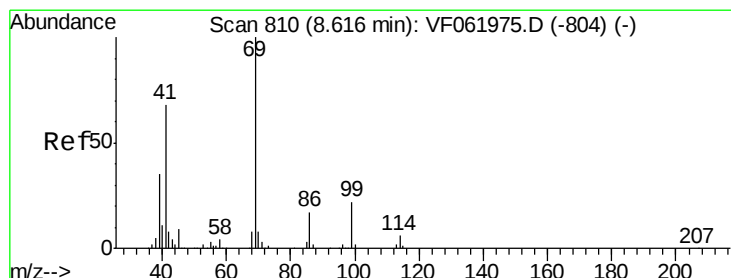
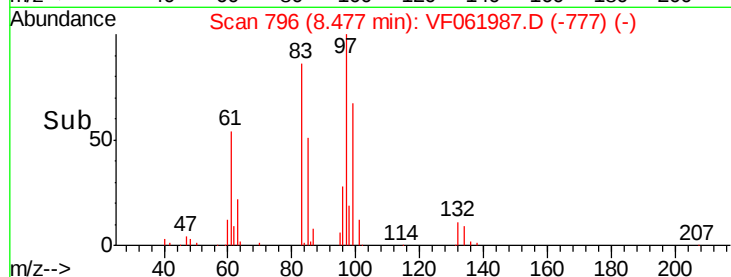
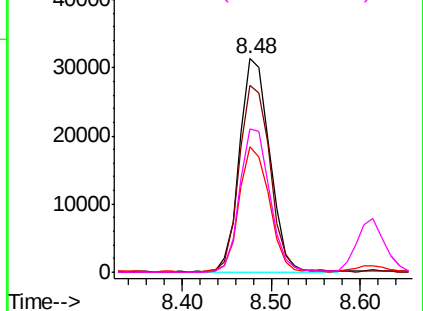
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

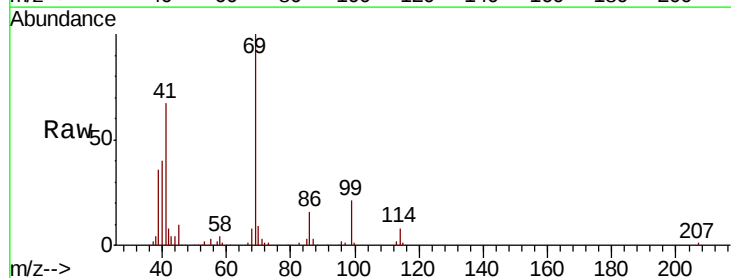
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56
 Ethyl methacrylate
 Concen: 50.809 ug/l
 RT: 8.61 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	69	Resp	86185
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.7	82.1
39	35.5	27.9	41.9

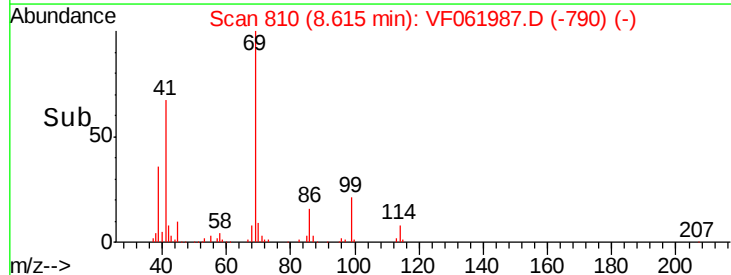
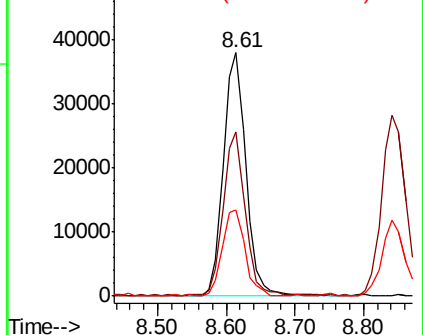


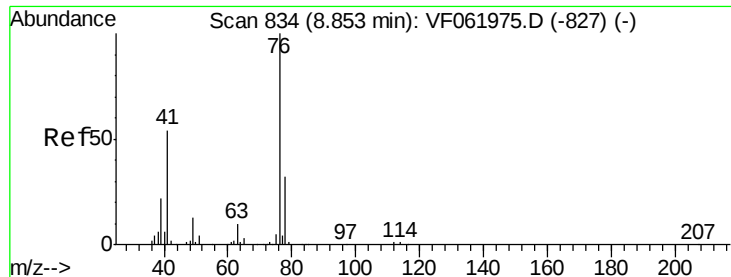
Abundance

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: 48.493 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

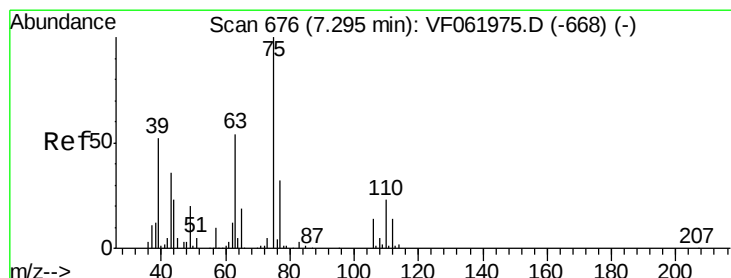
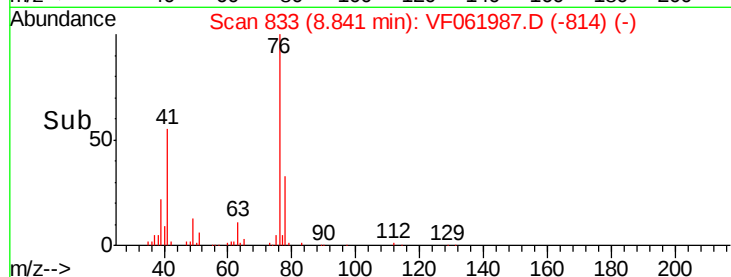
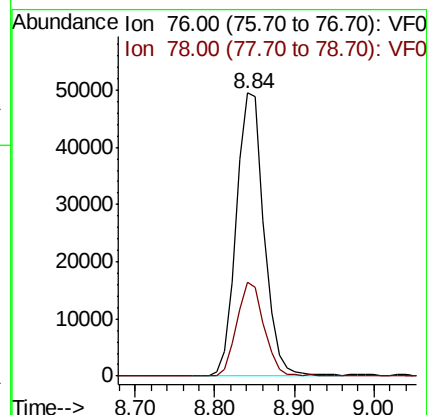
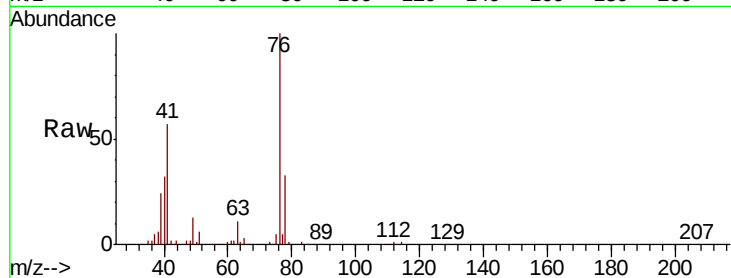
ClientSampled :

Tot Ion: 76 Resp: 120706

Ion Ratio Lower Upper

76 100

78 33.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 242.247 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061987.D

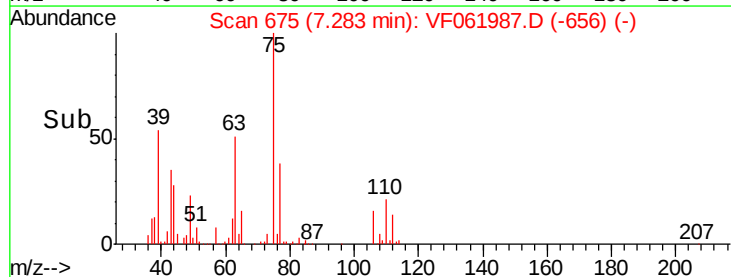
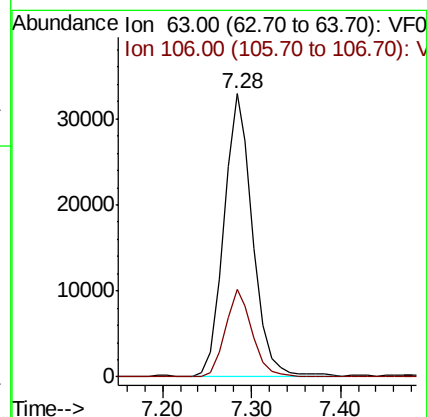
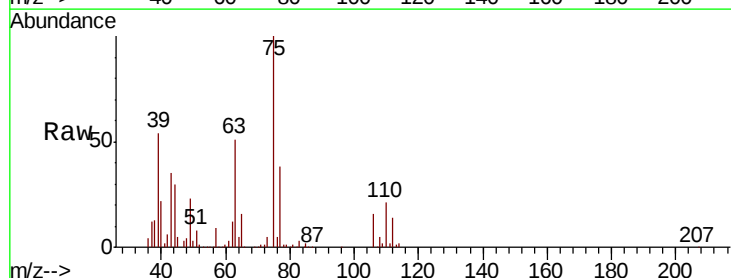
Acq: 16 Mar 2019 21:21

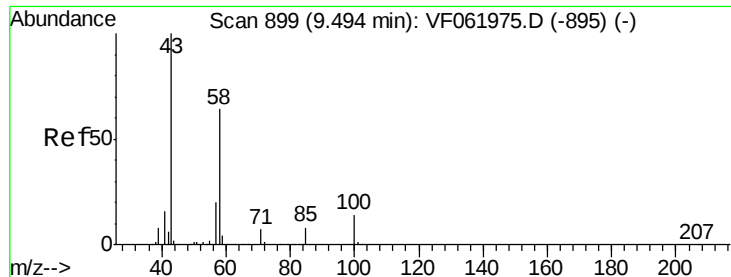
Tgt Ion: 63 Resp: 74428

Ion Ratio Lower Upper

63 100

106 31.0 20.9 31.3

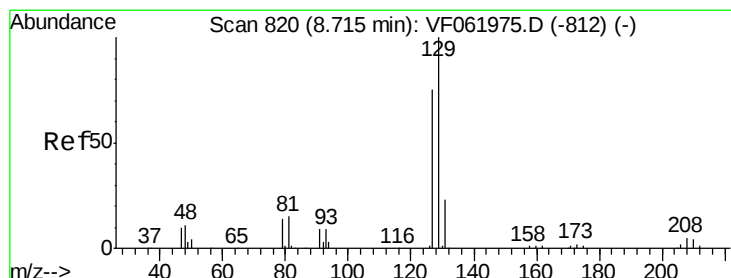
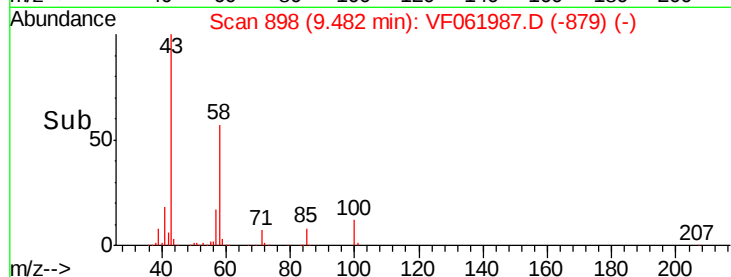
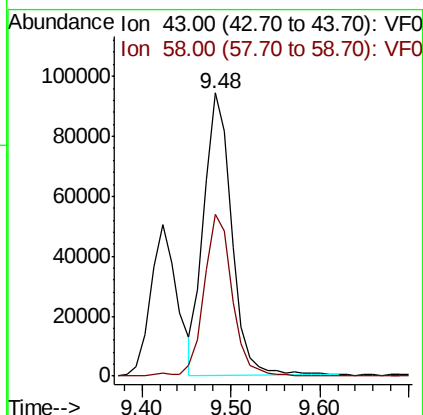
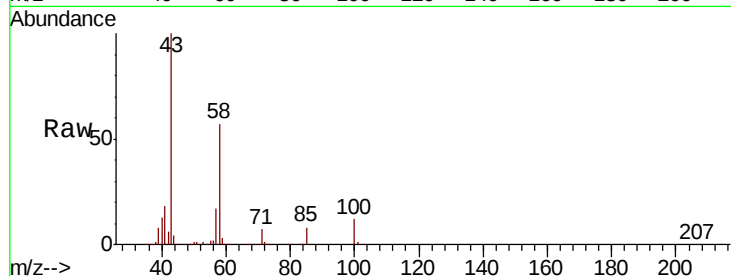




#59
2-Hexanone
Concen: 224.078 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

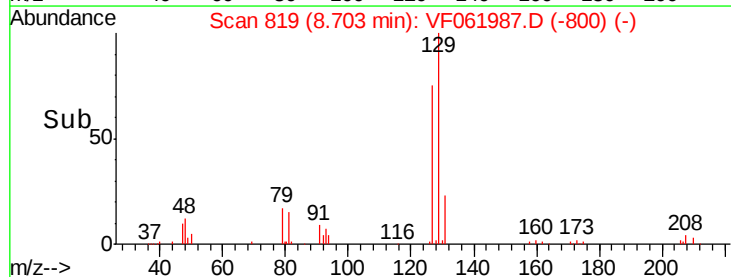
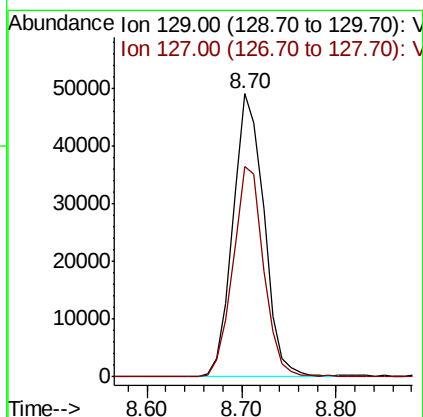
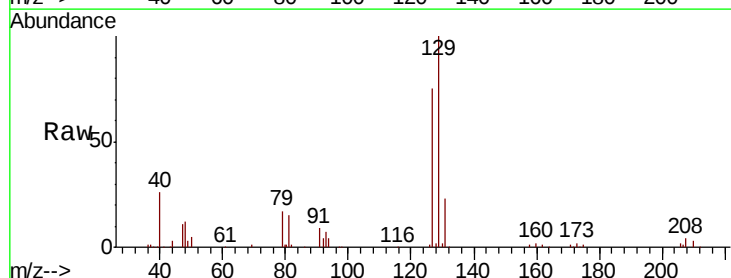
Instrument :
MSVOA_F
ClientSampleId :

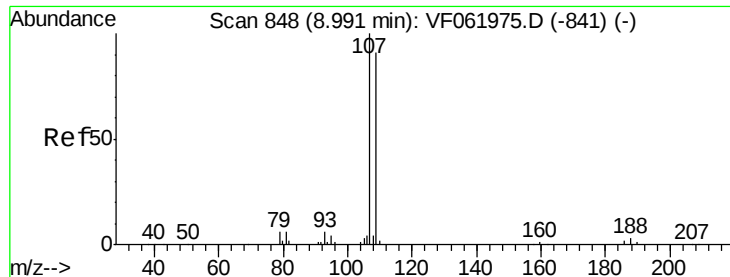
Tot Ion: 43 Resp: 202025
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.2



#60
Dibromochloromethane
Concen: 53.905 ug/l
RT: 8.70 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion:129 Resp: 111667
Ion Ratio Lower Upper
129 100
127 74.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 51.864 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

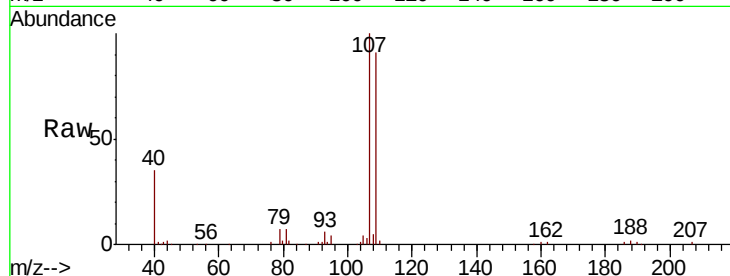
ClientSampleId :

Tot Ion:107 Resp: 83014

Ion Ratio Lower Upper

107 100

109 91.2 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

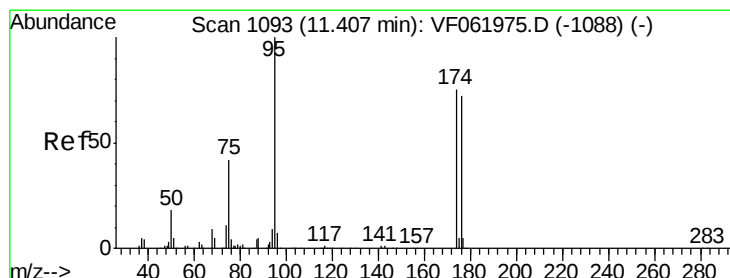
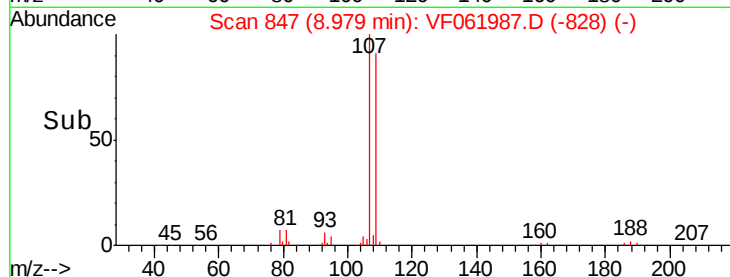
30000

20000

10000

0

Time--> 8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 41.418 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

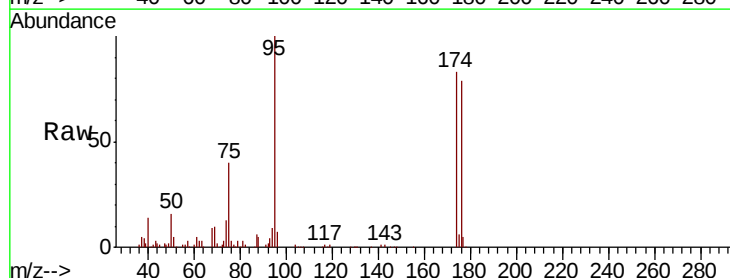
Tgt Ion: 95 Resp: 118114

Ion Ratio Lower Upper

95 100

174 82.7 0.0 149.4

176 78.9 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

100000

80000

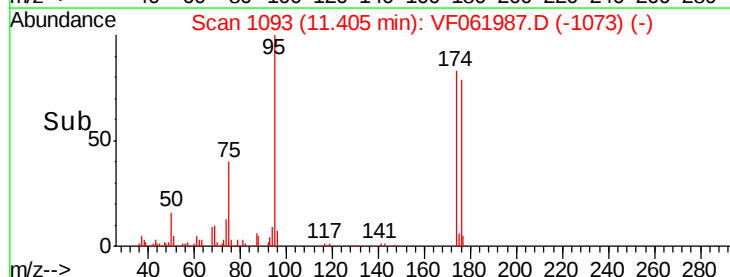
60000

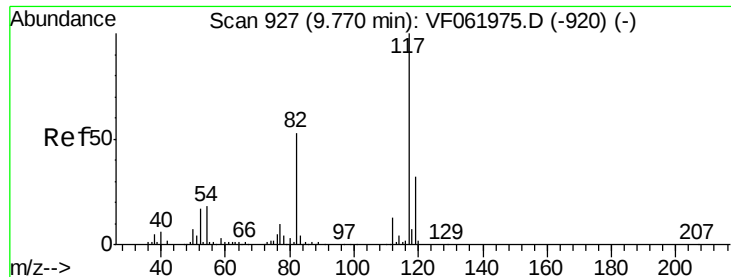
40000

20000

0

Time--> 11.30 11.40 11.50

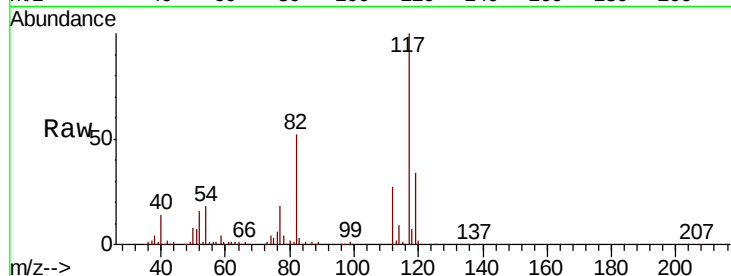




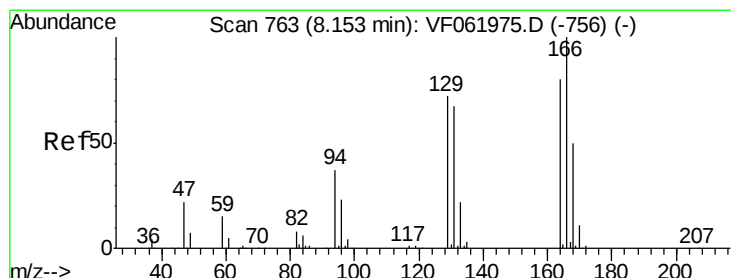
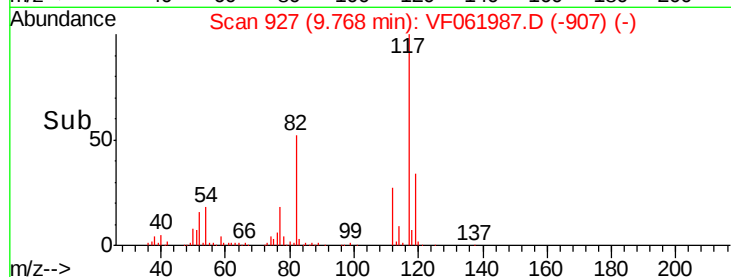
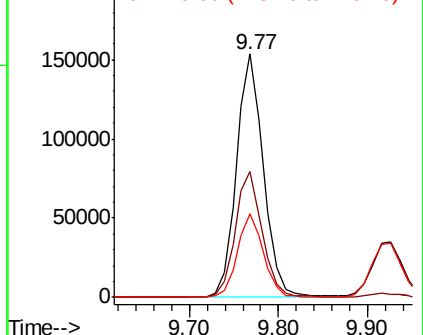
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 324275
Ion Ratio Lower Upper
117 100
82 51.6 42.5 63.7
119 34.3 25.4 38.0

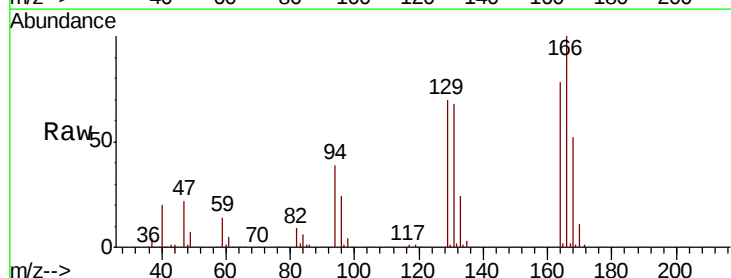


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

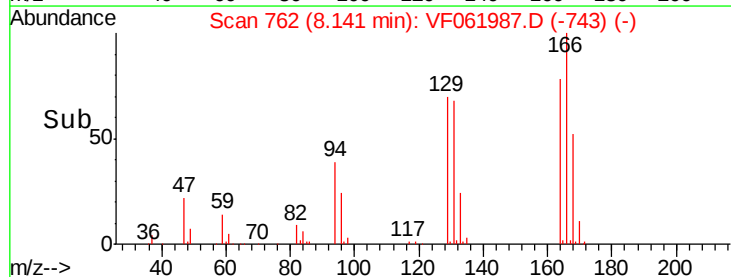
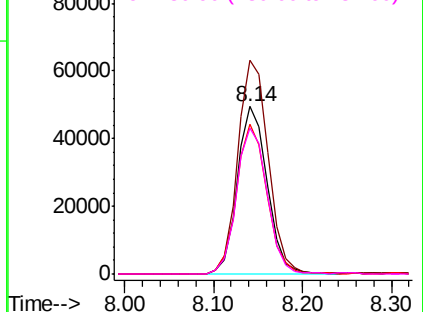


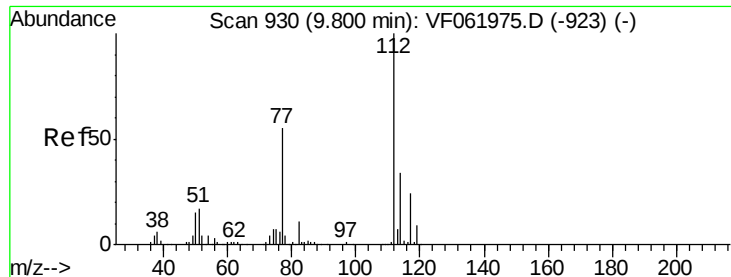
#64
Tetrachloroethene
Concen: 48.905 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion:164 Resp: 115275
Ion Ratio Lower Upper
164 100
166 127.8 100.0 150.0
129 89.3 72.4 108.6
131 87.4 67.1 100.7



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

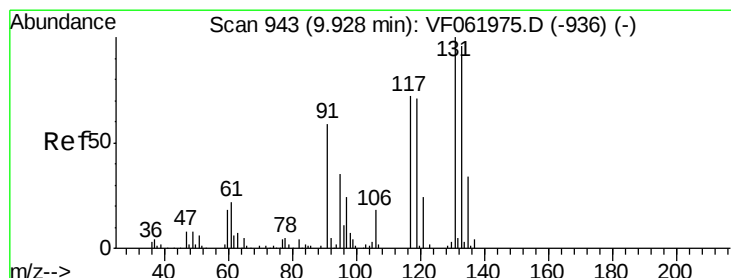
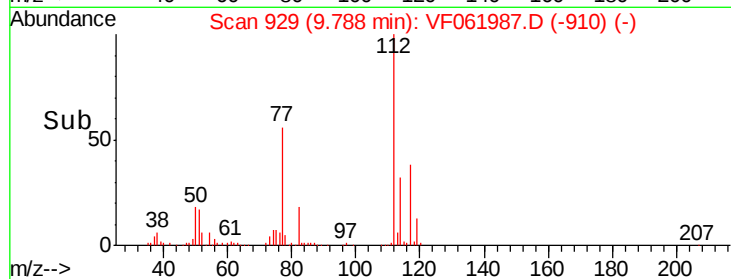
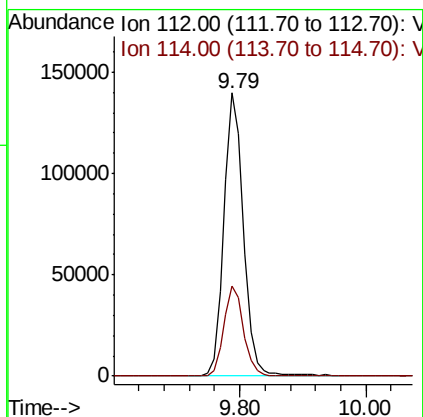
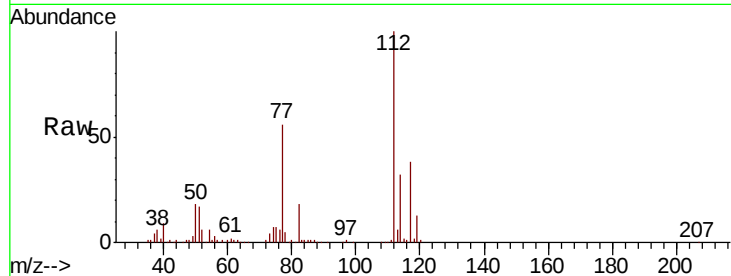




#65
Chlorobenzene
Concen: 49.921 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

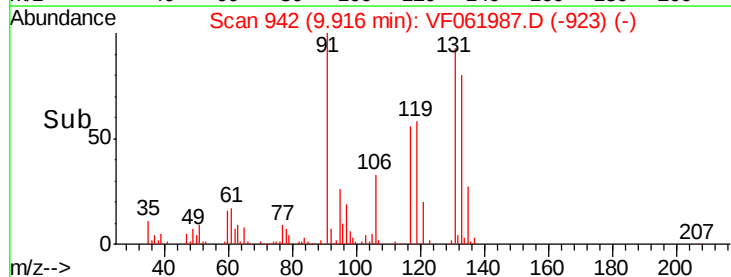
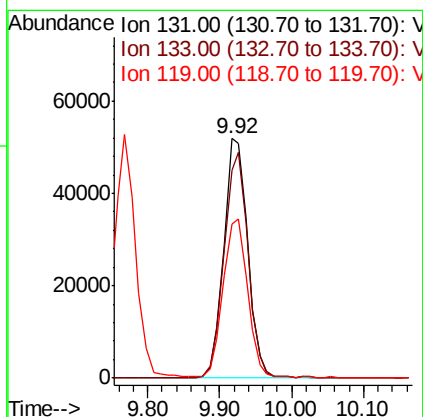
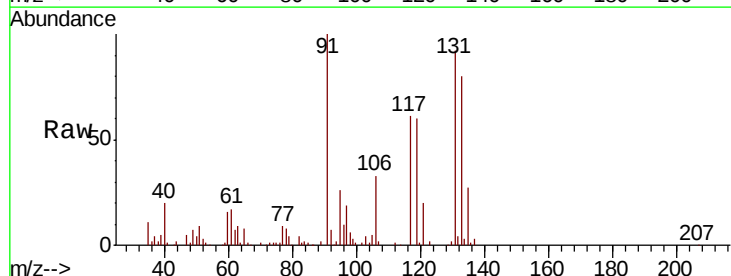
Instrument :
MSVOA_F
ClientSampleId :

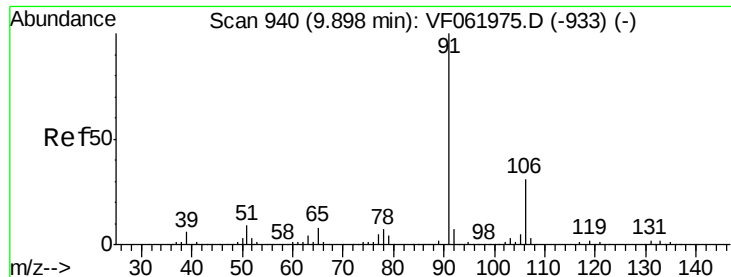
Tot Ion:112 Resp: 301391
Ion Ratio Lower Upper
112 100
114 32.0 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.378 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion:131 Resp: 120237
Ion Ratio Lower Upper
131 100
133 86.6 48.0 144.2
119 64.4 35.9 107.7

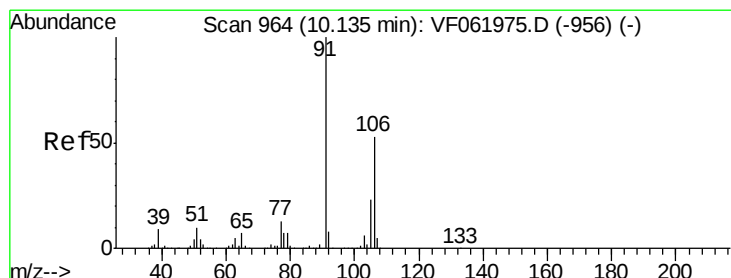
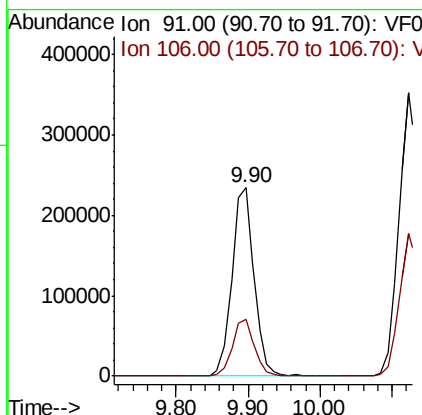
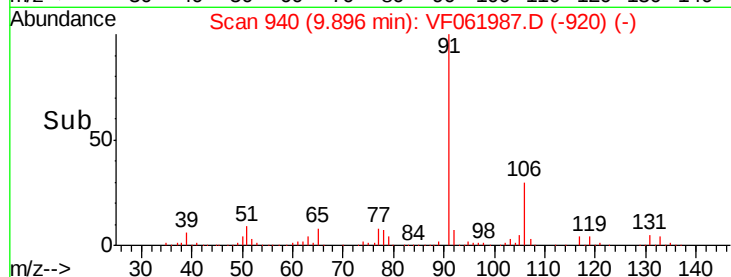
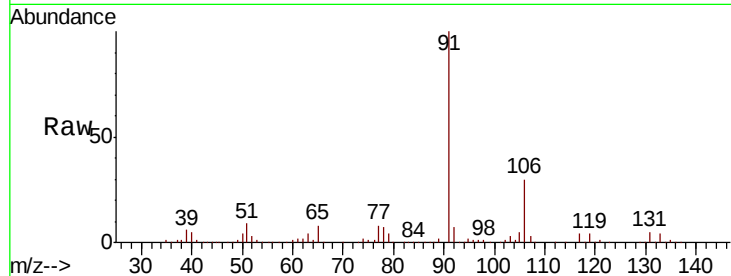




#67
Ethyl Benzene
Concen: 48.730 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

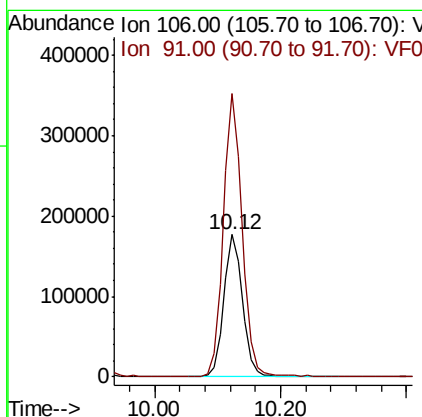
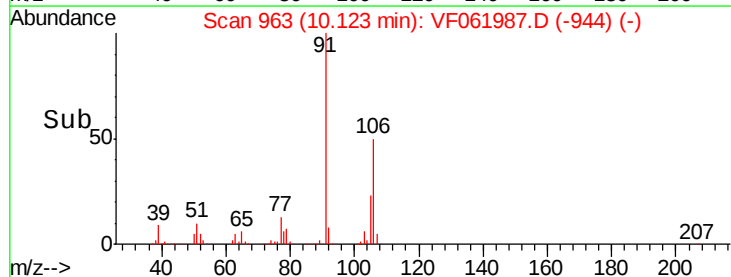
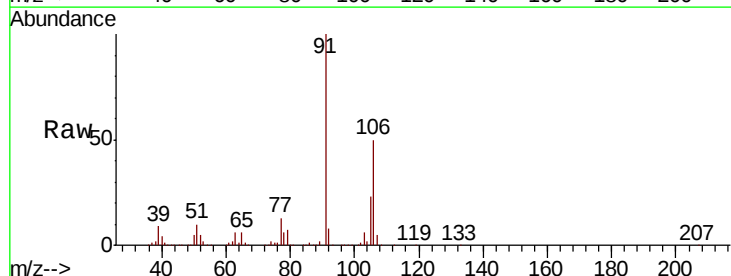
Instrument :
MSVOA_F
ClientSampled :

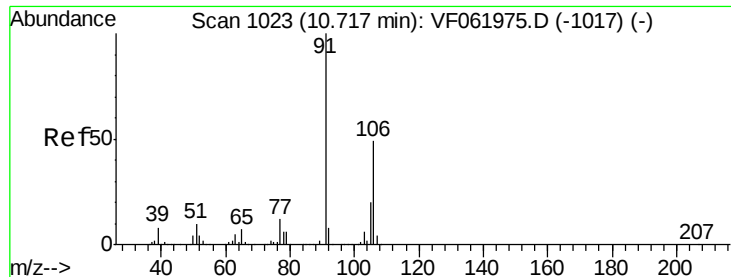
Tot Ion: 91 Resp: 503745
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6



#68
m/p-Xylenes
Concen: 94.448 ug/l
RT: 10.12 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 106 Resp: 367211
Ion Ratio Lower Upper
106 100
91 199.2 151.9 227.9

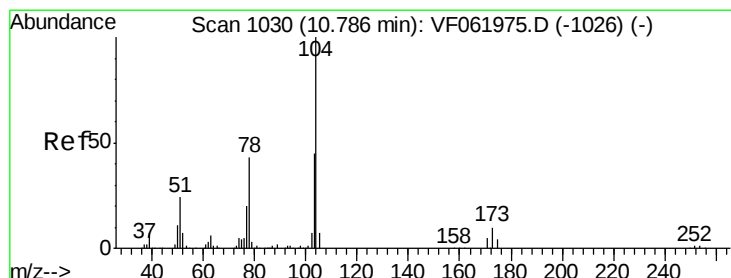
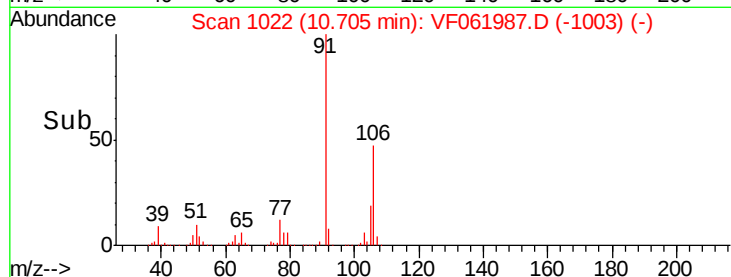
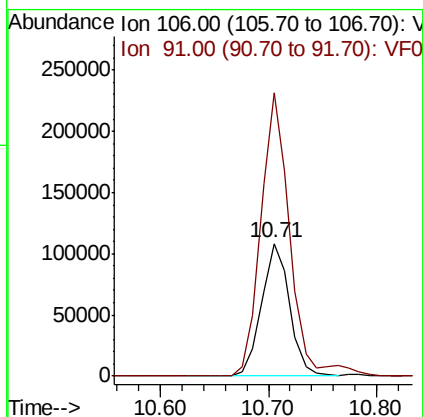
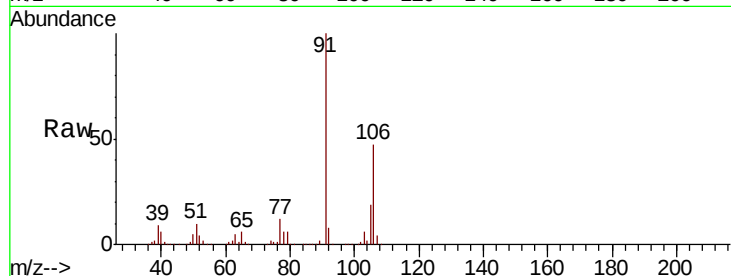




#69
o-Xylene
Concen: 47.730 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

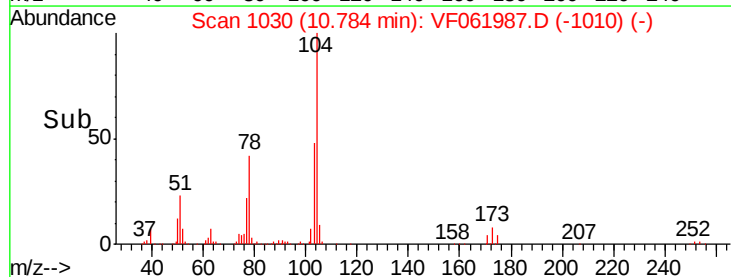
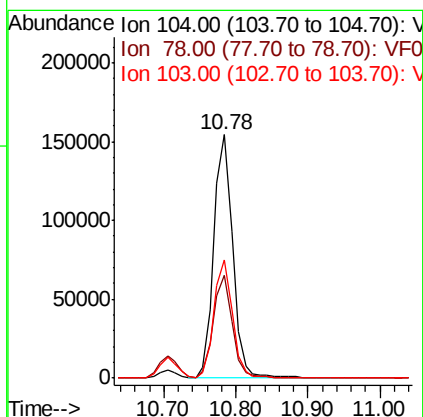
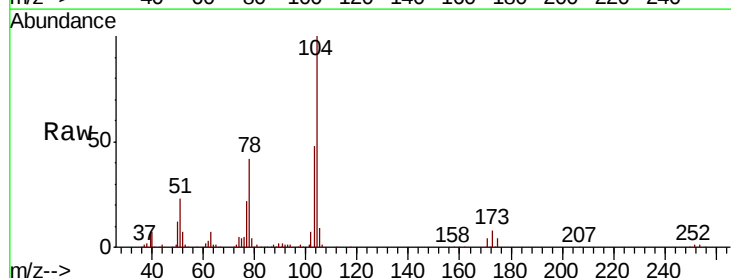
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 198570
Ion Ratio Lower Upper
106 100
91 213.8 102.3 306.8



#70
Styrene
Concen: 48.020 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion:104 Resp: 276769
Ion Ratio Lower Upper
104 100
78 42.0 34.7 52.1
103 48.3 36.6 54.8





#71

Bromoform

Concen: 51.705 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

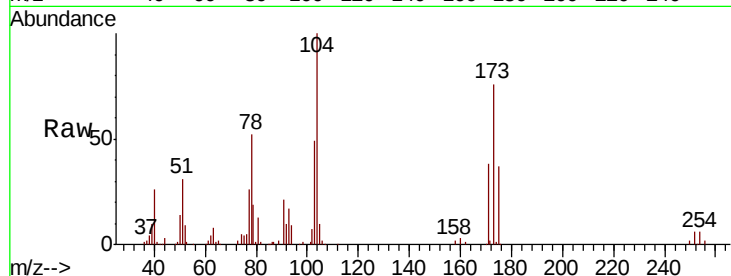
Tot Ion:173 Resp: 61204

Ion Ratio Lower Upper

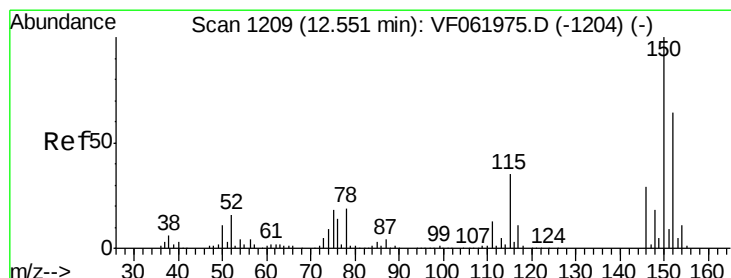
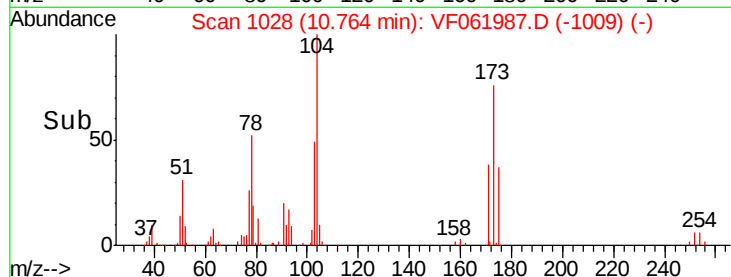
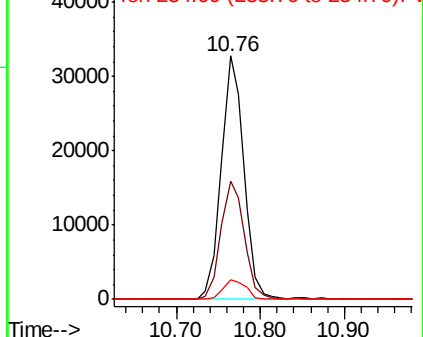
173 100

175 48.6 23.7 71.1

254 7.9 7.8 11.8



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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

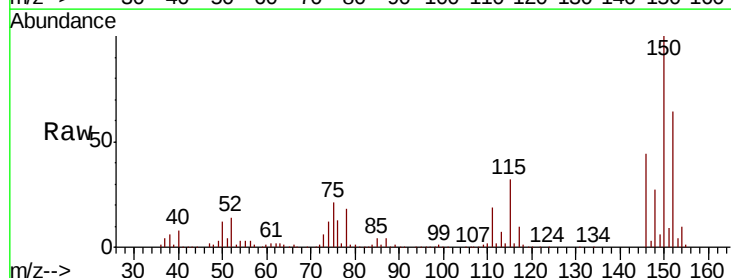
Tgt Ion:152 Resp: 166182

Ion Ratio Lower Upper

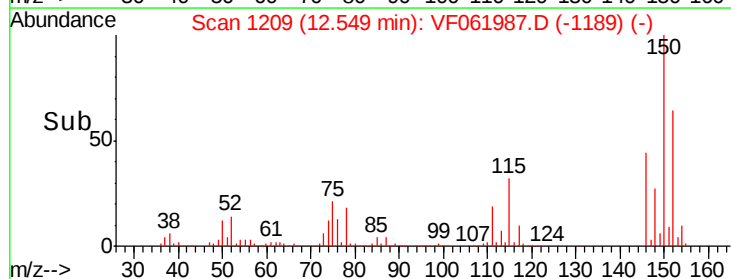
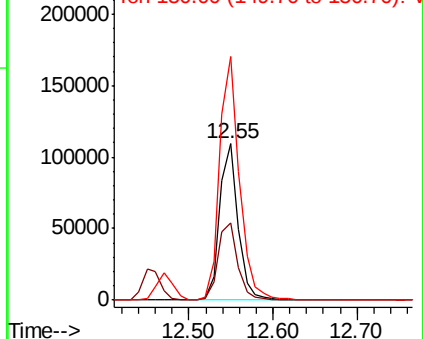
152 100

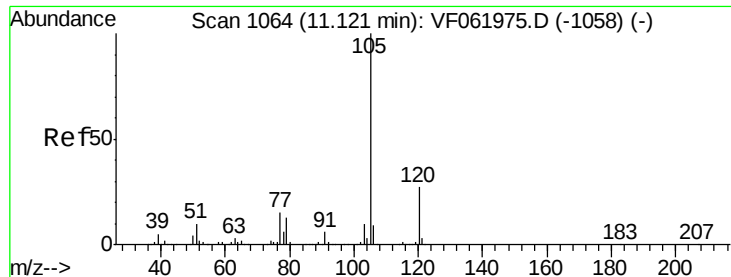
115 49.5 27.3 81.9

150 155.9 0.0 316.2



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: 48.882 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

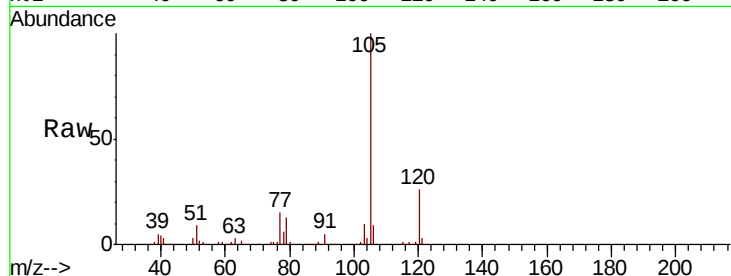
ClientSampleId :

Tot Ion:105 Resp: 561204

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

300000

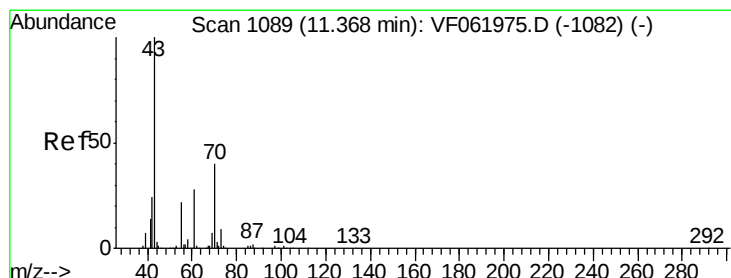
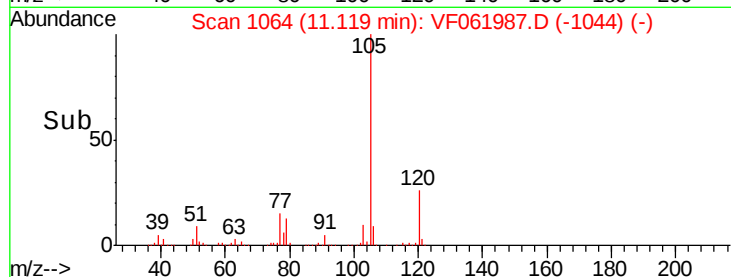
200000

100000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 49.784 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion: 43 Resp: 130965

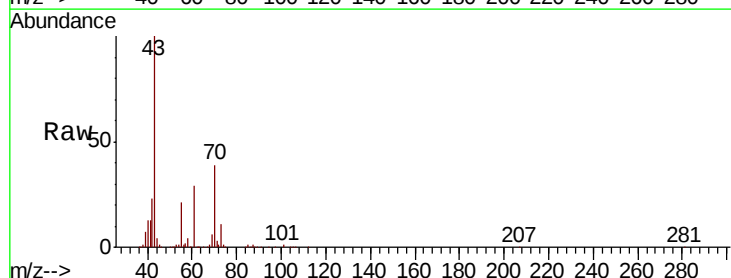
Ion Ratio Lower Upper

43 100

70 39.2 31.9 47.9

55 21.5 17.9 26.9

61 28.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.37

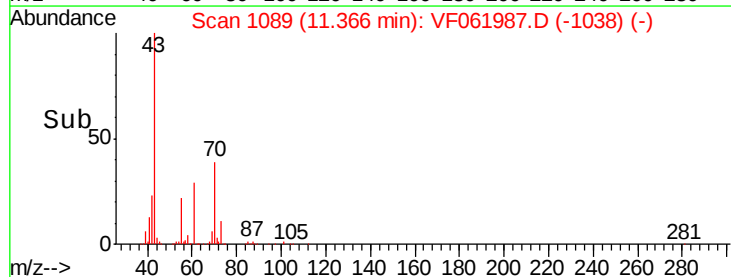
100000

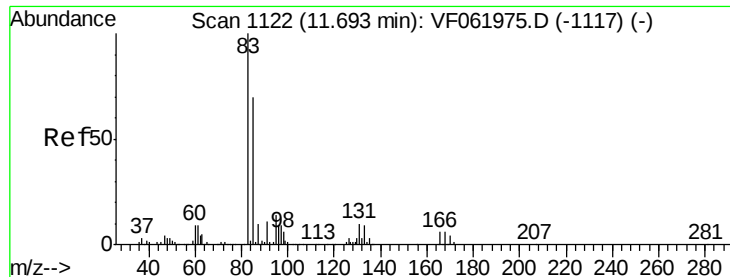
50000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 51.511 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

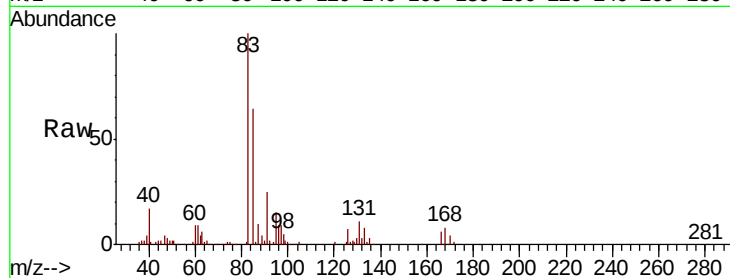
Tot Ion: 83 Resp: 97616

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

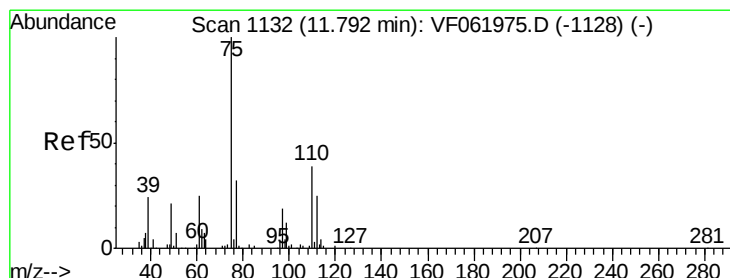
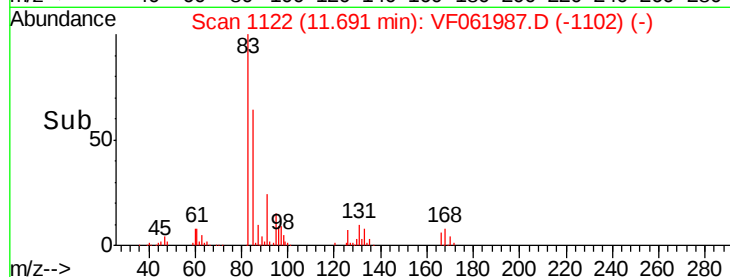
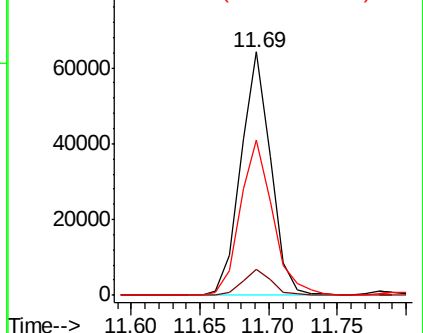
85 63.8 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.666 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061987.D

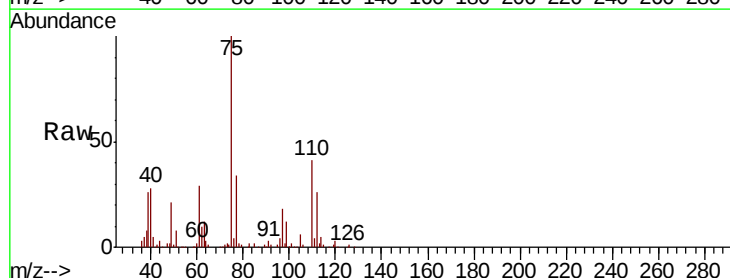
Acq: 16 Mar 2019 21:21

Tgt Ion: 75 Resp: 63163

Ion Ratio Lower Upper

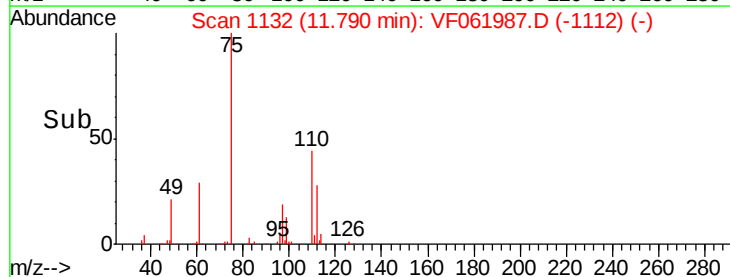
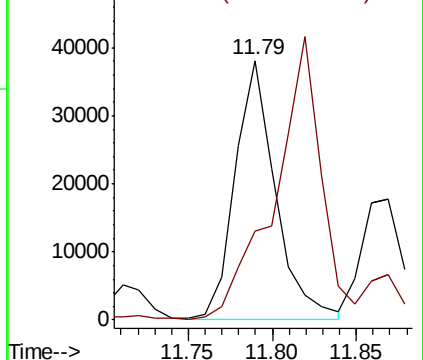
75 100

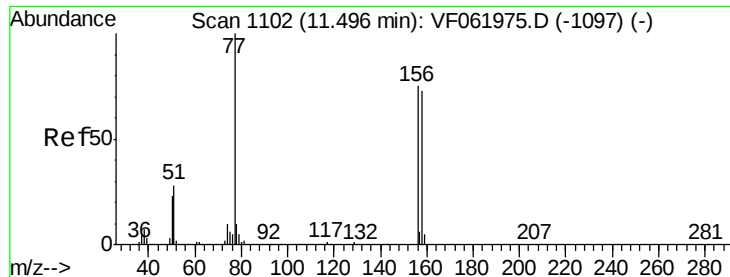
77 34.0 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.740 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampled :

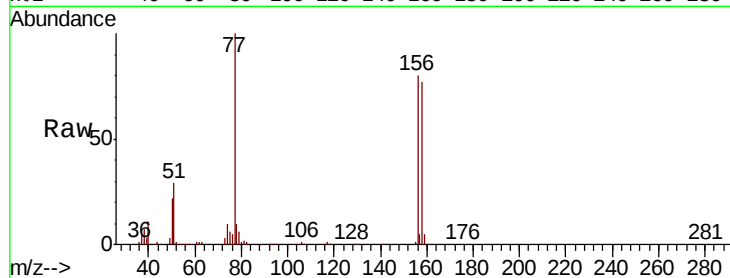
Tot Ion:156 Resp: 134905

Ion Ratio Lower Upper

156 100

77 125.2 67.0 201.0

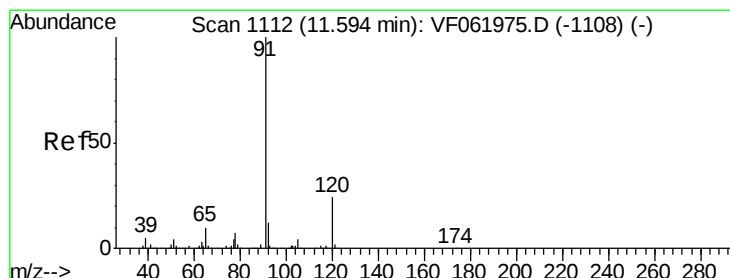
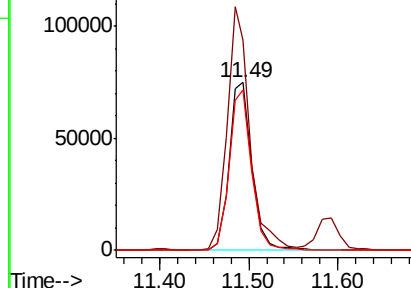
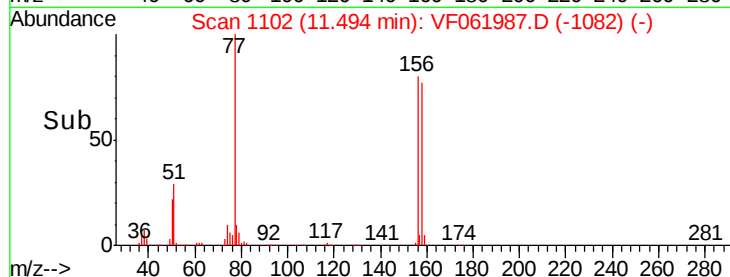
158 96.1 48.9 146.7



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: 49.155 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061987.D

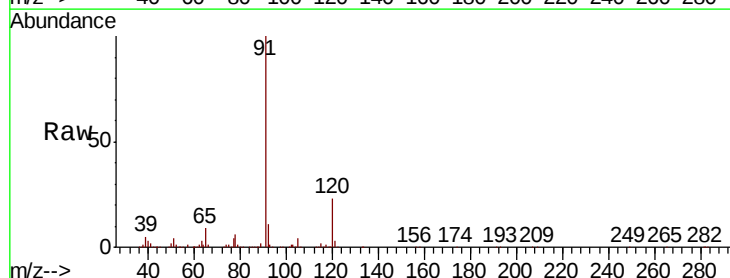
Acq: 16 Mar 2019 21:21

Tgt Ion: 91 Resp: 648905

Ion Ratio Lower Upper

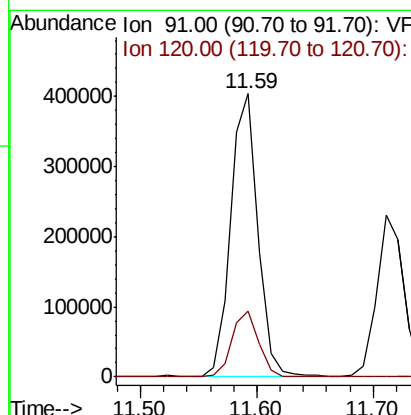
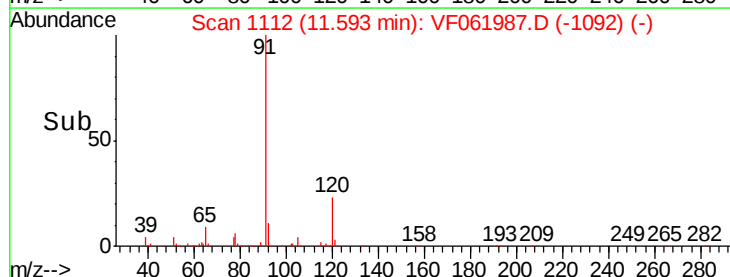
91 100

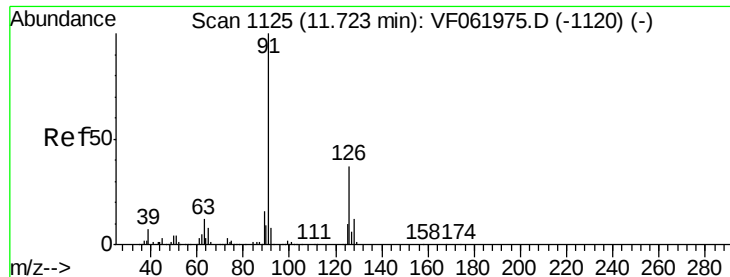
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

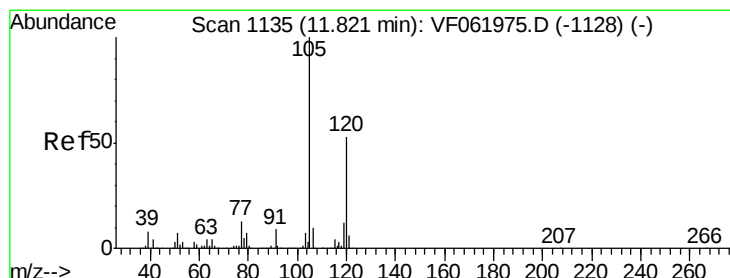
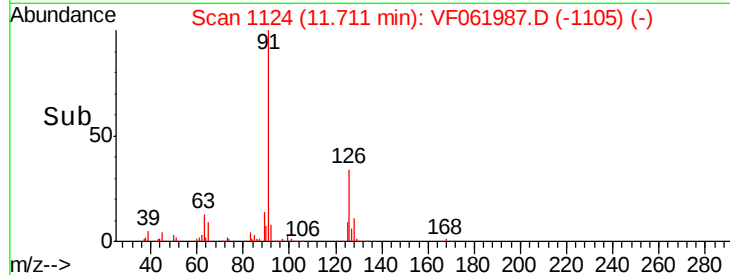
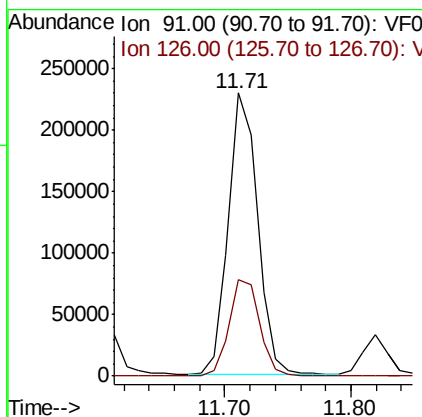
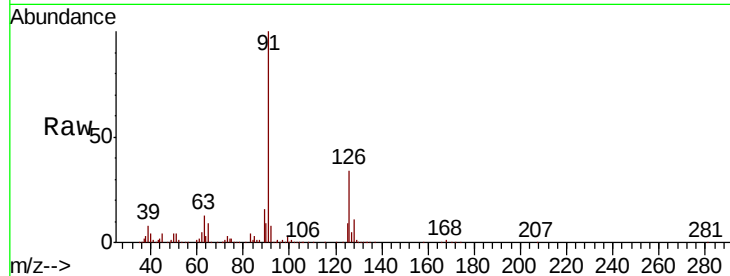




#79
 2-Chlorotoluene
 Concen: 49.435 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

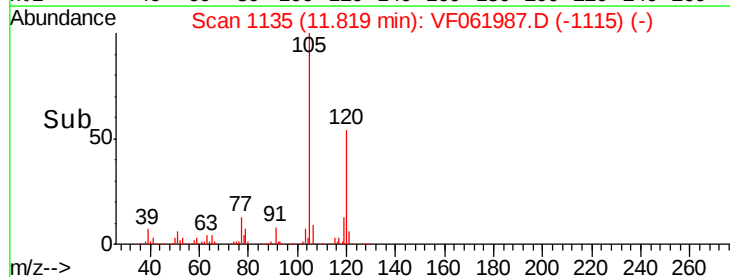
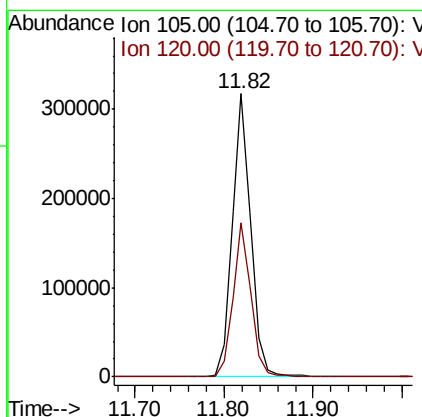
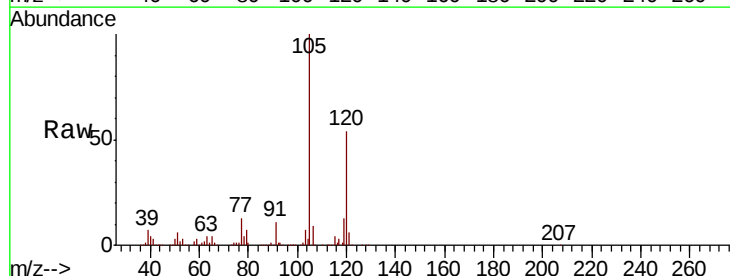
Instrument :
 MSVOA_F
 ClientSampleId :

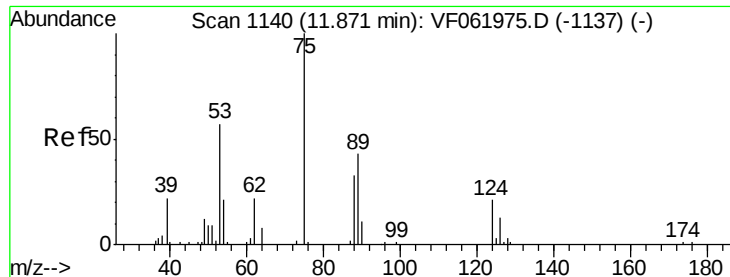
Tot Ion: 91 Resp: 368369
 Ion Ratio Lower Upper
 91 100
 126 34.0 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.228 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion: 105 Resp: 465820
 Ion Ratio Lower Upper
 105 100
 120 54.2 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 67.633 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

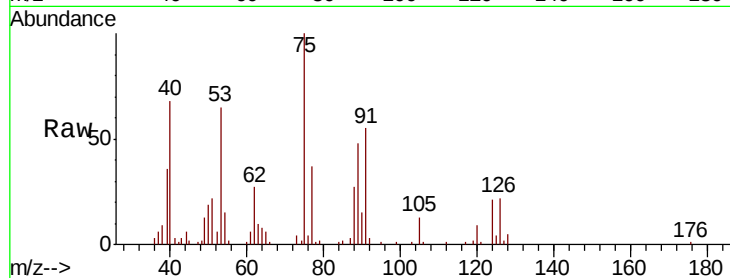
Tot Ion: 75 Resp: 39648

Ion Ratio Lower Upper

75 100

53 65.4 49.0 73.6

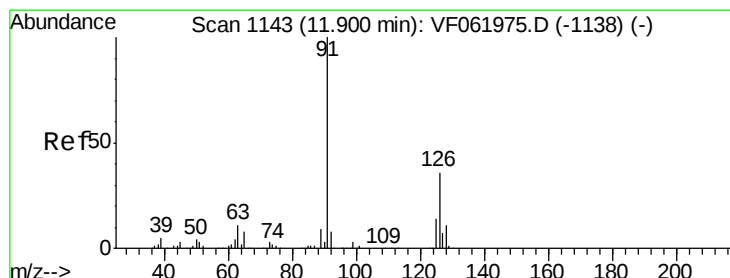
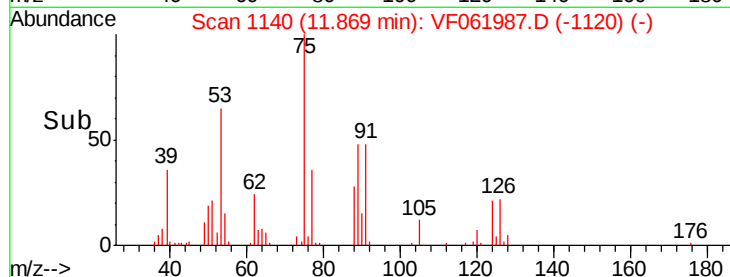
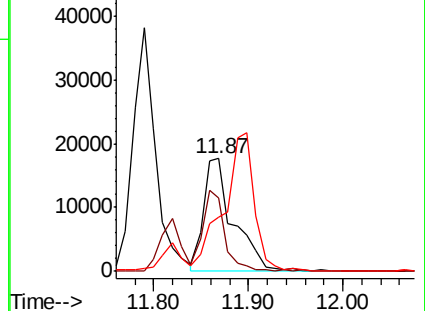
89 48.2 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.853 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061987.D

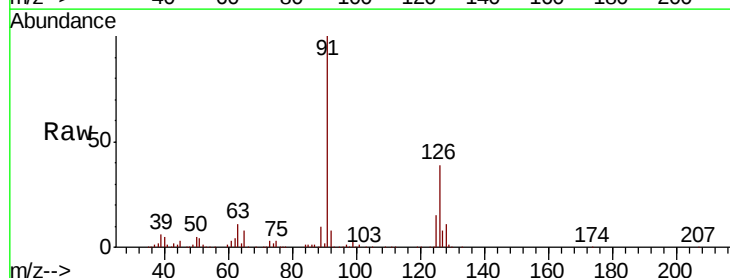
Acq: 16 Mar 2019 21:21

Tgt Ion: 91 Resp: 360595

Ion Ratio Lower Upper

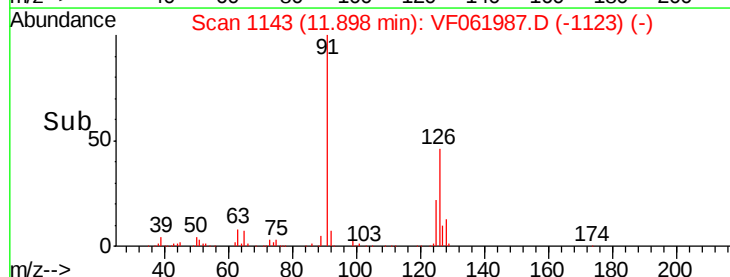
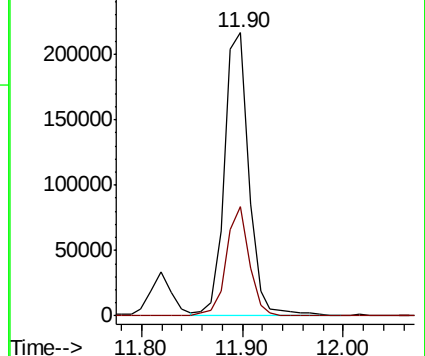
91 100

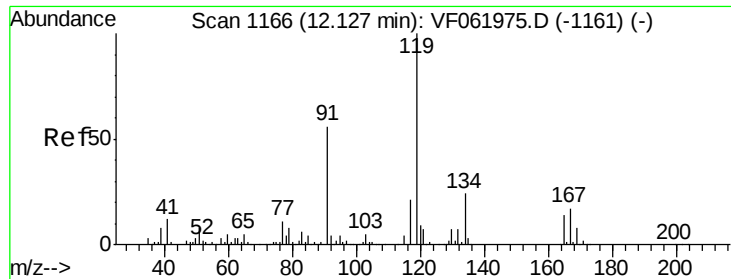
126 38.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

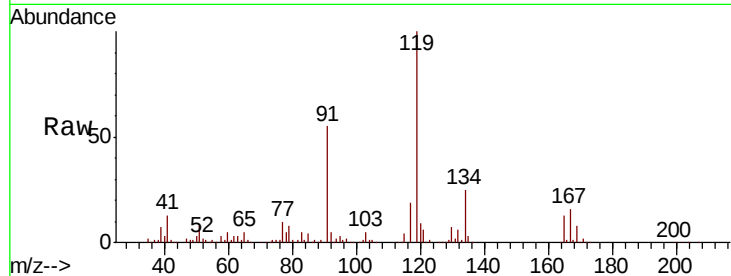




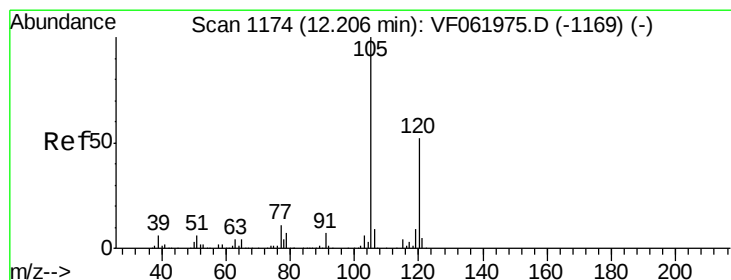
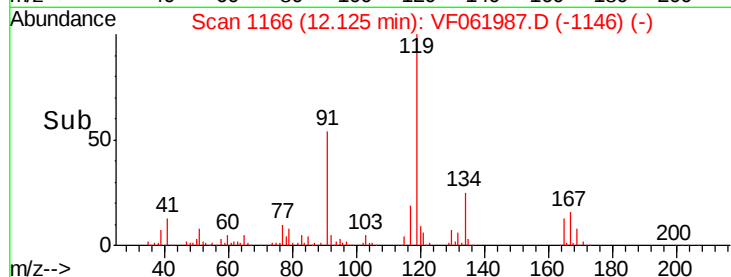
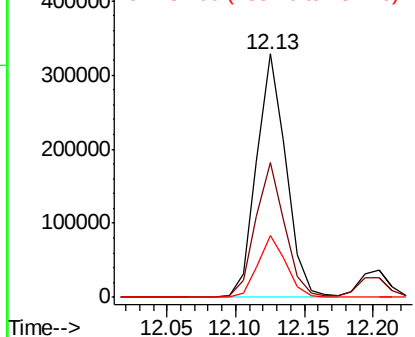
#83
 tert-Butylbenzene
 Concen: 50.838 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 493080
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.9 83.6
 134 25.4 12.3 36.8

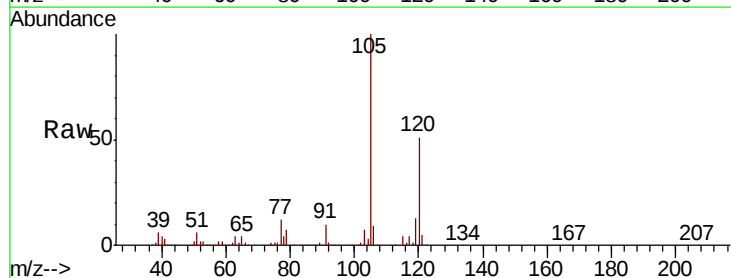


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

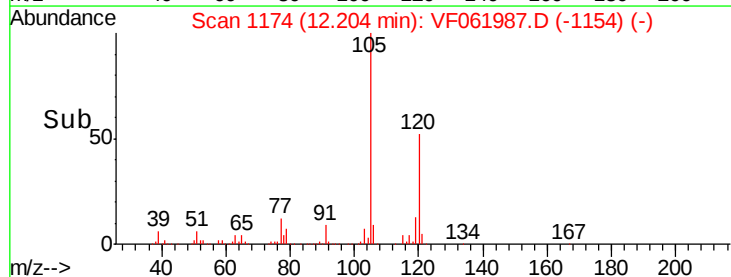
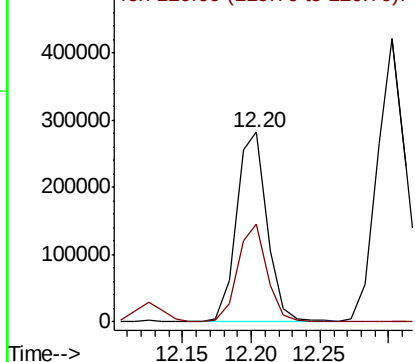


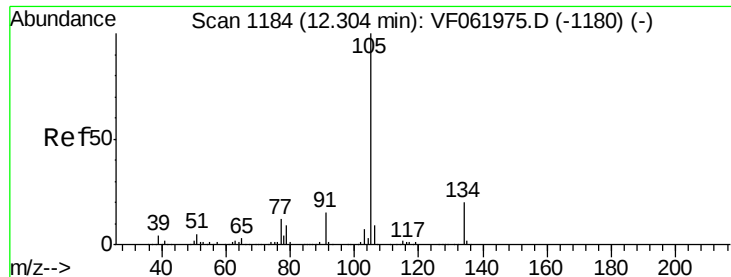
#84
 1,2,4-Trimethylbenzene
 Concen: 47.122 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion:105 Resp: 437729
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.9 77.8



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

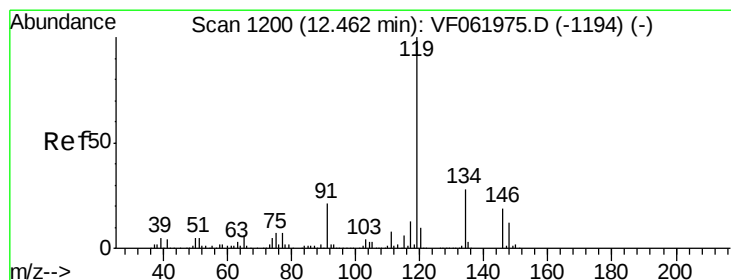
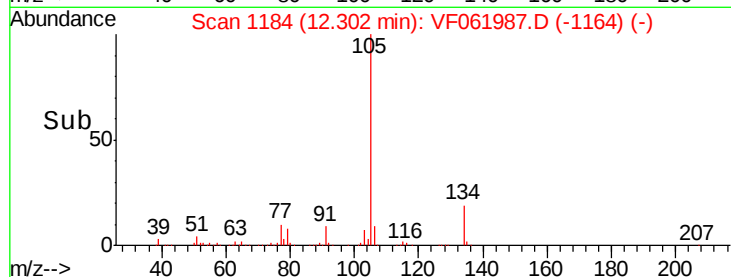
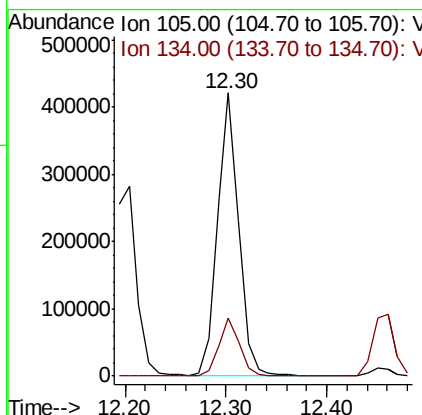
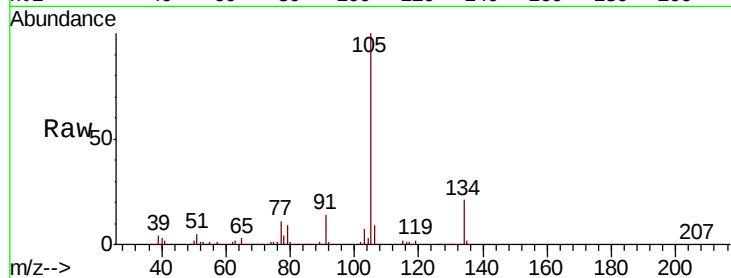




#85
 sec-Butylbenzene
 Concen: 46.904 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

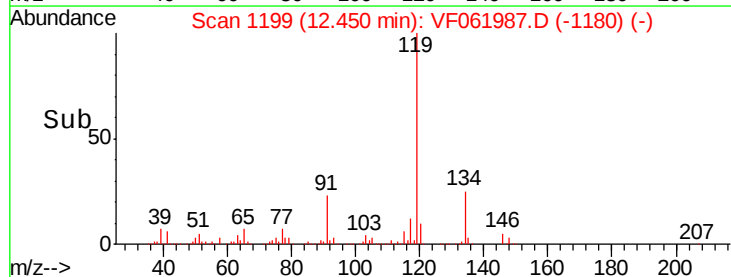
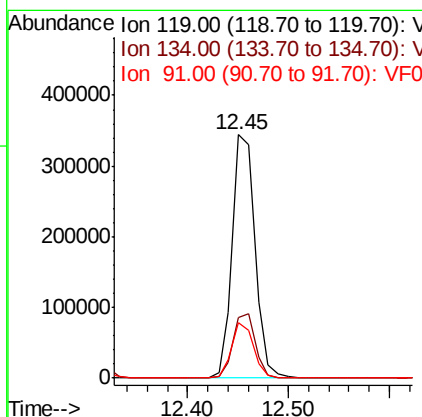
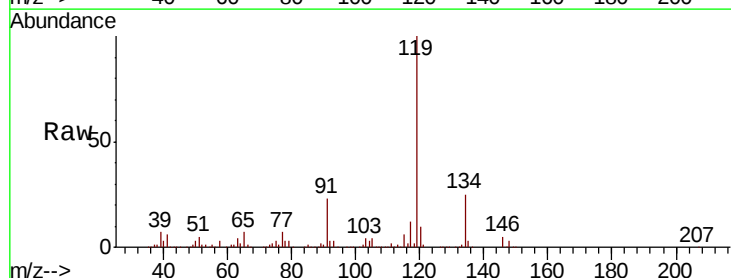
Instrument :
 MSVOA_F
 ClientSampleId :

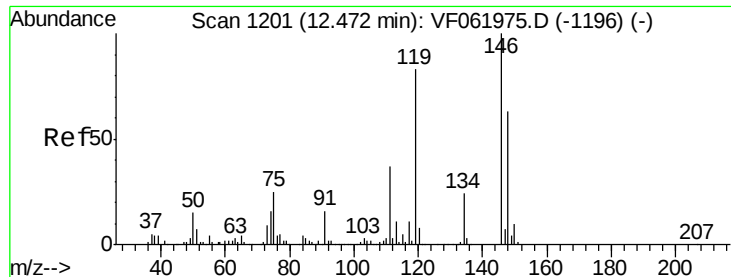
Tot Ion:105 Resp: 614637
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 49.289 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion:119 Resp: 538958
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.9 41.7
 91 23.0 10.4 31.1

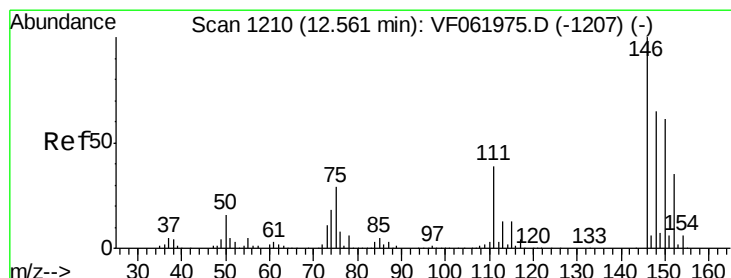
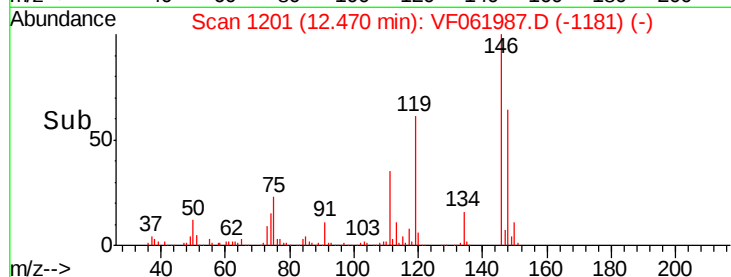
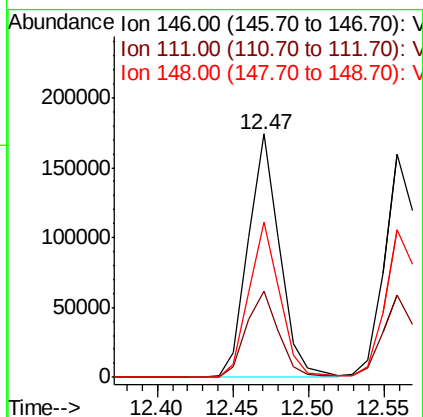
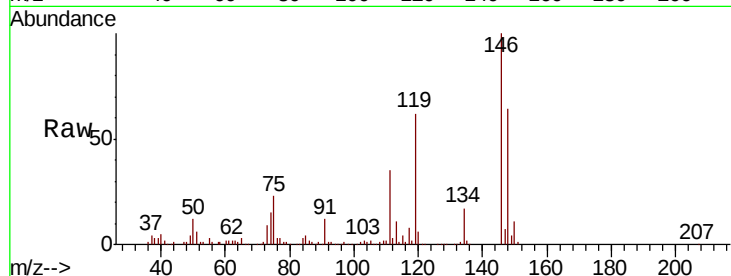




#87
 1,3-Dichlorobenzene
 Concen: 48.575 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

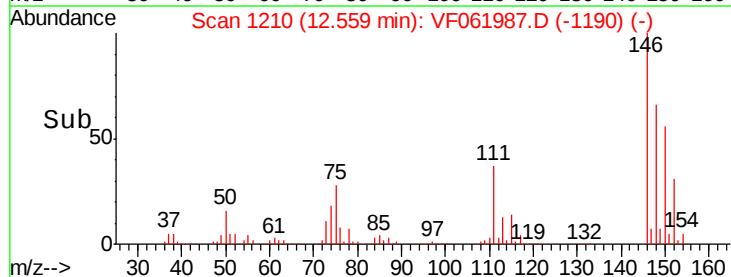
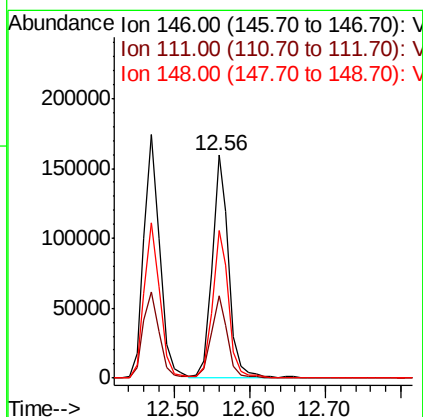
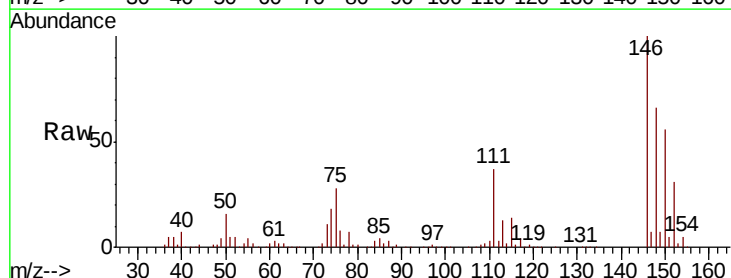
Instrument :
 MSVOA_F
 ClientSampled :

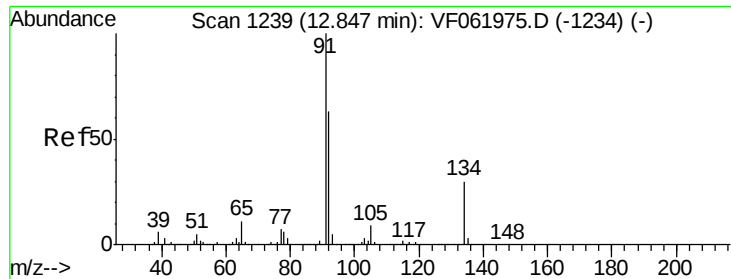
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.6	55.8
148	63.7	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 49.108 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.4	58.1
148	66.2	32.4	97.0





#89

n-Butylbenzene

Concen: 49.581 ug/l

RT: 12.83 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

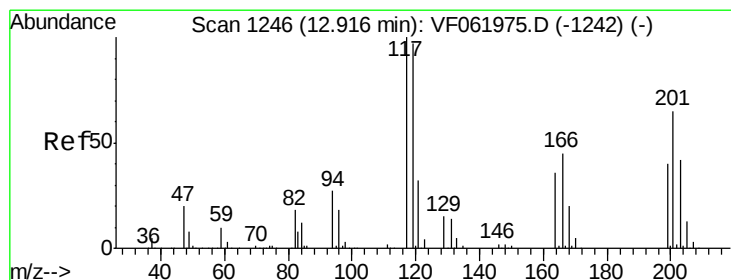
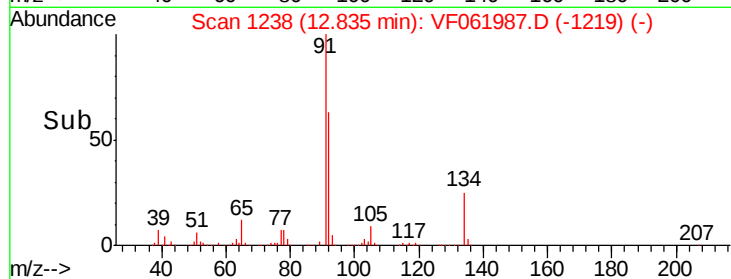
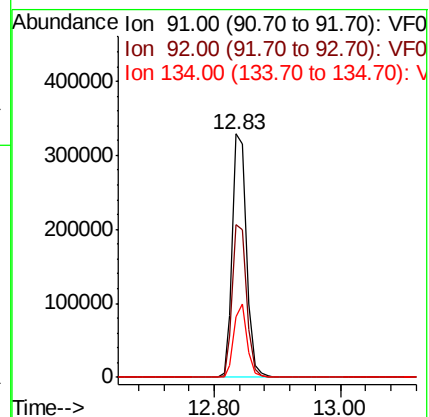
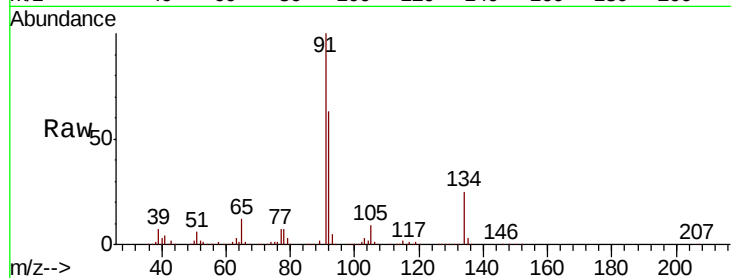
Tot Ion: 91 Resp: 509441

Ion Ratio Lower Upper

91 100

92 63.0 31.7 95.1

134 24.7 15.1 45.3



#90

Hexachloroethane

Concen: 51.327 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF061987.D

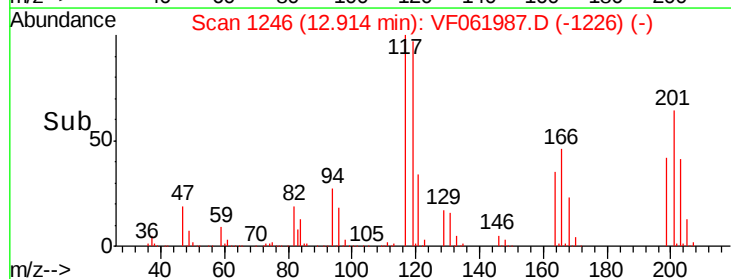
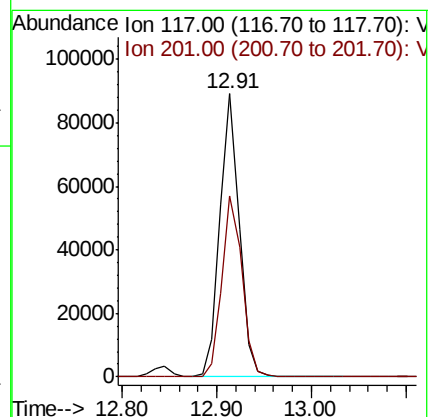
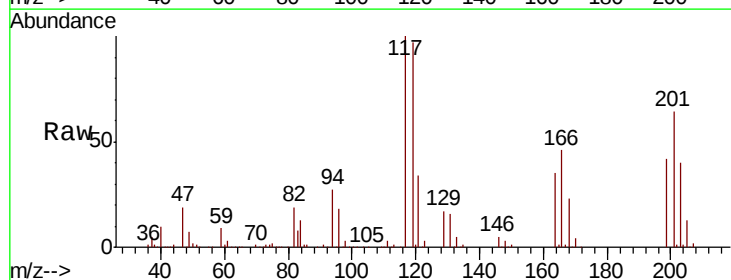
Acq: 16 Mar 2019 21:21

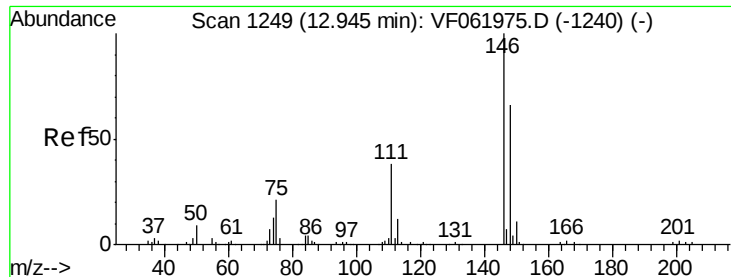
Tgt Ion: 117 Resp: 128079

Ion Ratio Lower Upper

117 100

201 63.9 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 48.187 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061987.D

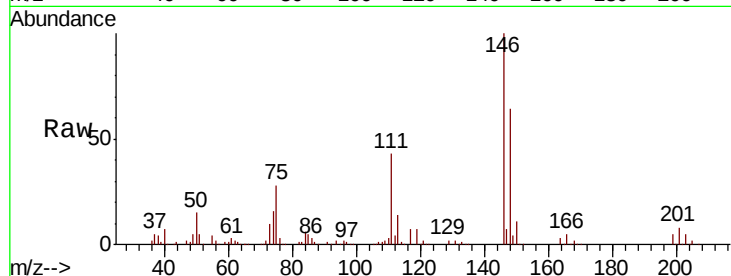
Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampled :

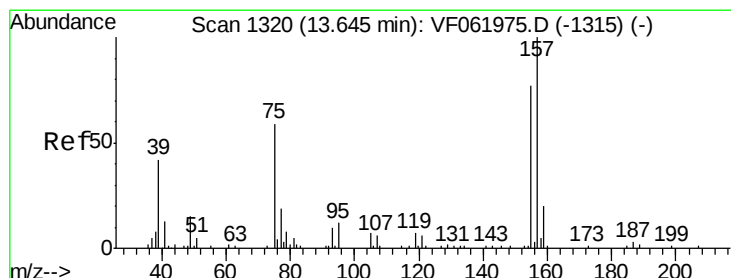
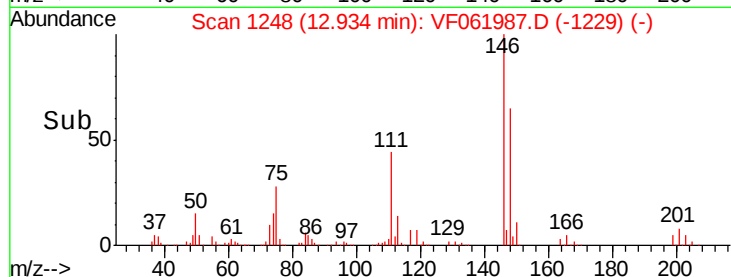
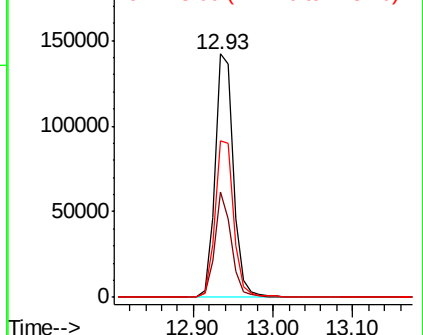
Tot Ion:	146	Resp:	233218
Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.9	56.5
148	64.4	32.9	98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.428 ug/l

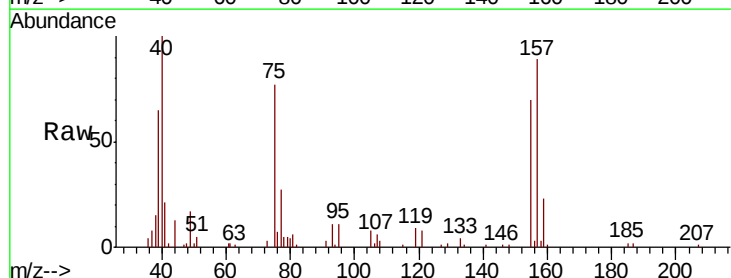
RT: 13.63 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

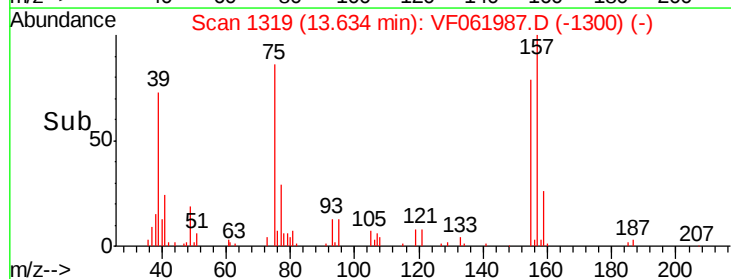
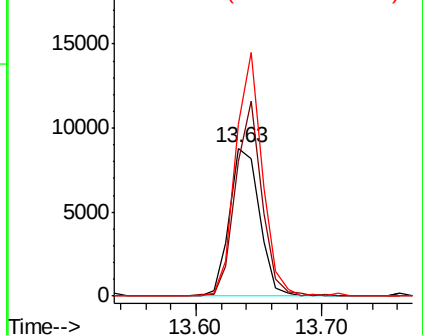
Tgt Ion:	75	Resp:	14423
Ion	Ratio	Lower	Upper
75	100		
155	91.1	65.0	195.1
157	115.8	84.7	254.0

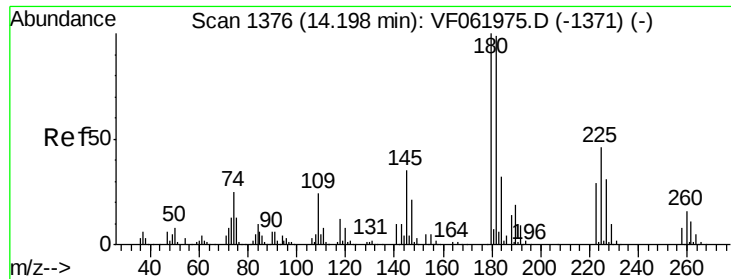


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

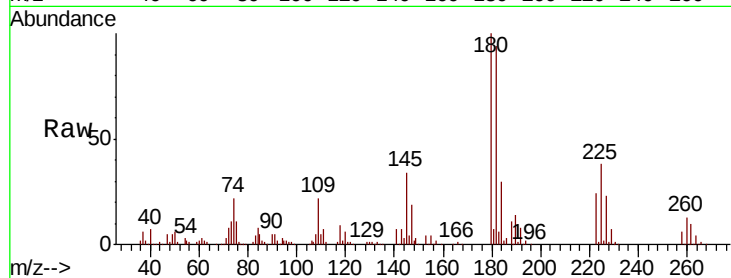




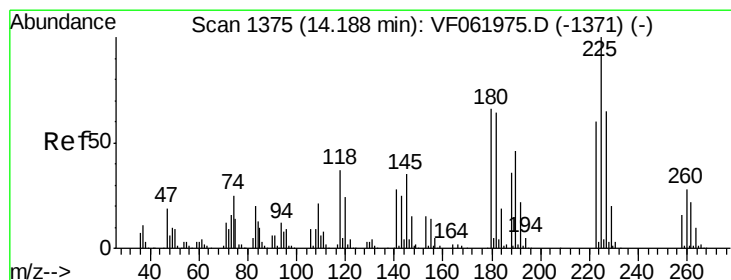
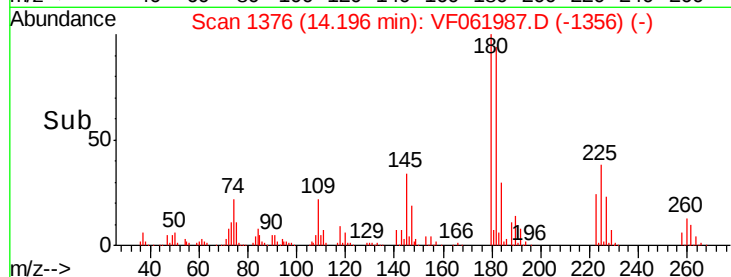
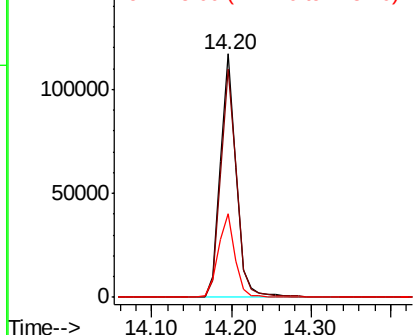
#93
 1,2,4-Trichlorobenzene
 Concen: 49.188 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 165777
 Ion Ratio Lower Upper
 180 100
 182 94.0 49.6 149.0
 145 34.2 17.5 52.5

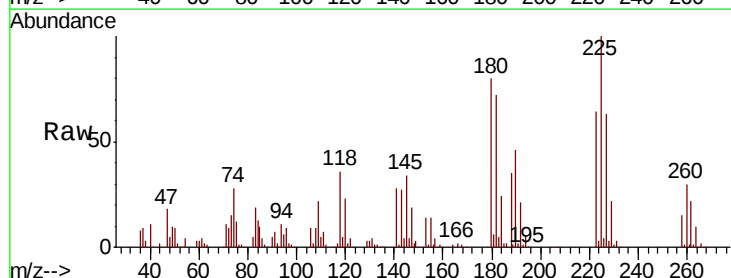


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

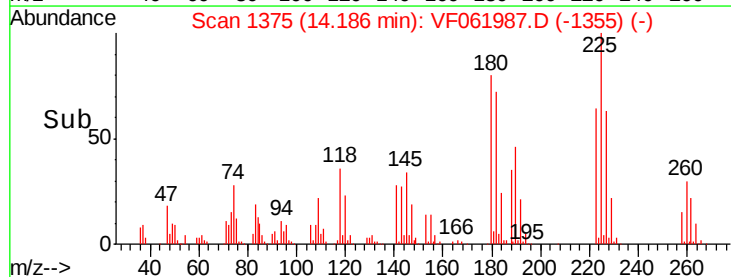
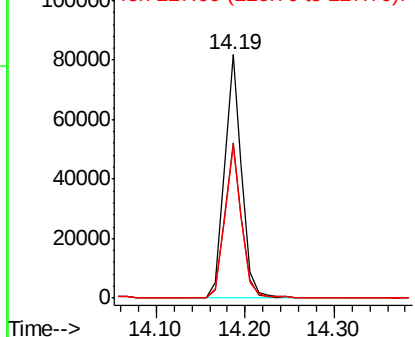


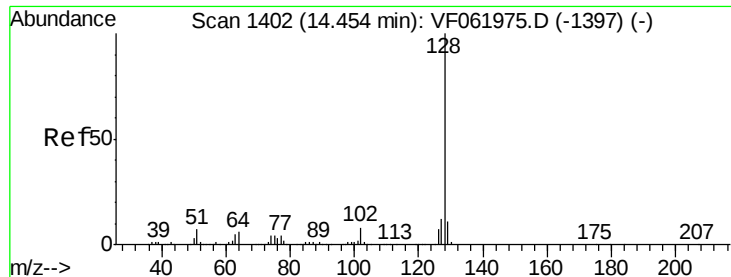
#94
 Hexachlorobutadiene
 Concen: 50.014 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion:225 Resp: 111903
 Ion Ratio Lower Upper
 225 100
 223 63.8 29.9 89.7
 227 62.6 32.4 97.2



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: 50.120 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampled :

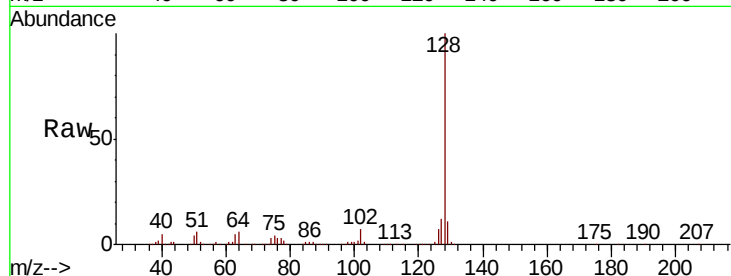
Tot Ion:128 Resp: 303806

Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.3	13.9
129	11.4	9.1	13.7

128 100

127 11.6 9.3 13.9

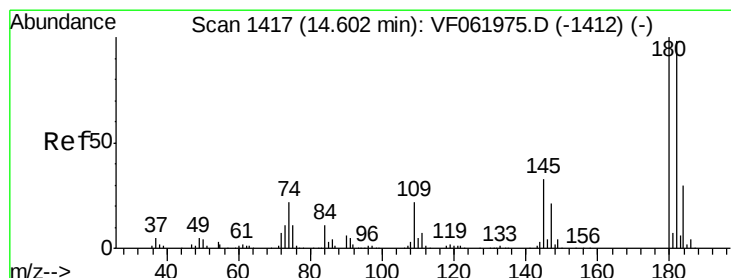
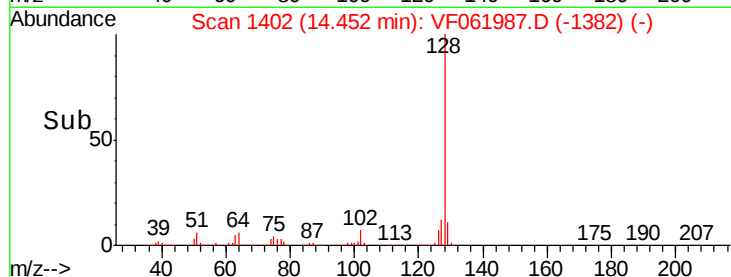
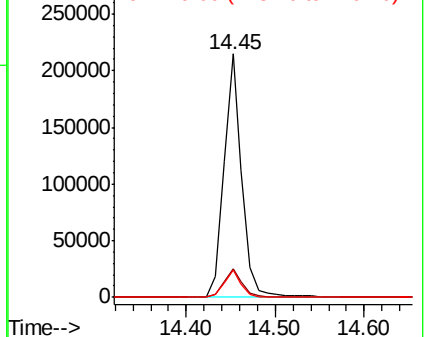
129 11.4 9.1 13.7



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: 50.959 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

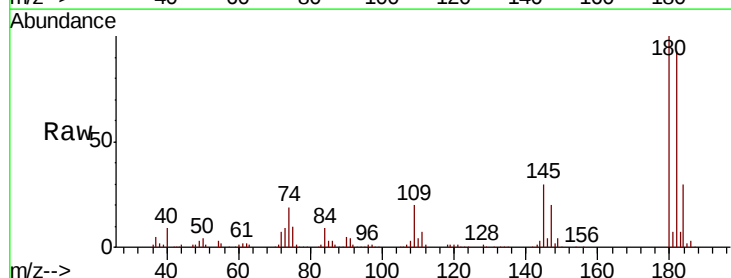
Tgt Ion:180 Resp: 158007

Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.9	146.8
145	29.8	16.7	50.1

180 100

182 92.9 48.9 146.8

145 29.8 16.7 50.1



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

