

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060975.D
 Acq On : 11 Dec 2018 14:36
 Operator : VA/AP
 Sample : VF1211SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBSD01

Quant Time: Dec 12 06:26:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191488	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	301164	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	277789	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	142544	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	114508	50.76	ug/l	-0.03
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	4.12	113	116070	48.58	ug/l	-0.03
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	7.55	98	325981	46.32	ug/l	-0.04
Spiked Amount			Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.41	95	155370	48.57	ug/l	-0.03
Spiked Amount			Recovery	=	97.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	57746	20.169	ug/l	92
3) Chloromethane	1.10	50	37291	20.016	ug/l	92
4) Vinyl Chloride	1.15	62	36799	21.175	ug/l	94
5) Bromomethane	1.33	94	26810	21.878	ug/l	90
6) Chloroethane	1.40	64	19781	26.332	ug/l	96
7) Trichlorofluoromethane	1.42	101	11054	2.965	ug/l	89
8) Diethyl Ether	1.64	74	11298	21.071	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	40982	21.741	ug/l	96
10) Methyl Iodide	1.92	142	54501	19.021	ug/l	99
11) Tert butyl alcohol	2.57	59	9883	106.877	ug/l #	82
12) 1,1-Dichloroethene	1.80	96	34680	22.873	ug/l	90
13) Acrolein	2.00	56	7176	81.906	ug/l	84
14) Allyl chloride	2.09	41	34817	18.423	ug/l	97
15) Acrylonitrile	2.95	53	22204	107.105	ug/l	88
16) Acetone	2.24	43	51807	124.542	ug/l	99
17) Carbon Disulfide	1.83	76	72206	17.761	ug/l	97
18) Methyl Acetate	2.35	43	18833	26.200	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	77123	22.584	ug/l	98
20) Methylene Chloride	2.26	84	28438	18.635	ug/l	92
21) trans-1,2-Dichloroethene	2.31	96	26016	17.798	ug/l	97
22) Diisopropyl ether	2.80	45	118917	23.117	ug/l	97
23) Vinyl Acetate	3.19	43	292638	124.452	ug/l #	96
24) 1,1-Dichloroethane	2.87	63	66560	21.748	ug/l	99
25) 2-Butanone	4.35	43	85183	118.392	ug/l #	90
26) 2,2-Dichloropropane	3.60	77	43263	21.804	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	54628	22.955	ug/l	94
28) Bromochloromethane	3.72	49	34424	23.436	ug/l	85
29) Tetrahydrofuran	4.08	42	32048	105.080	ug/l	98
30) Chloroform	3.87	83	107963	22.920	ug/l	99
31) Cyclohexane	3.69	56	40670	12.804	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	55699	17.050	ug/l	93
36) 1,1-Dichloropropene	4.28	75	79434	23.780	ug/l #	94
37) Ethyl Acetate	4.12	43	28854	21.256	ug/l #	78
38) Carbon Tetrachloride	3.99	117	59417	20.139	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	71746	20.495	ug/l	96
40) Benzene	4.63	78	172232	23.339	ug/l	98
41) Methacrylonitrile	4.75	41	16919	21.892	ug/l	95
42) 1,2-Dichloroethane	4.95	62	63382	23.526	ug/l	99
43) Isopropyl Acetate	6.96	43	38568	21.476	ug/l #	96
44) Trichloroethene	5.51	130	59409	24.621	ug/l	95
45) 1,2-Dichloropropane	6.24	63	46915	24.478	ug/l	98
46) Dibromomethane	6.08	93	30381	23.367	ug/l	92
47) Bromodichloromethane	6.39	83	76178	22.060	ug/l	97
48) Methyl methacrylate	6.73	41	27301	22.219	ug/l	96
49) 1,4-Dioxane	6.73	88	4167	463.375	ug/l #	79
51) 4-Methyl-2-Pentanone	8.26	43	143262	114.446	ug/l	99
52) Toluene	7.63	92	113463	21.889	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	63397	22.570	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	79575	22.884	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	33291	22.041	ug/l	96
56) Ethyl methacrylate	8.63	69	39308	23.427	ug/l	89
57) 1,3-Dichloropropane	8.86	76	63754	24.126	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	37195	216.724	ug/l	98
59) 2-Hexanone	9.50	43	106607	121.392	ug/l	99
60) Dibromochloromethane	8.72	129	49757	22.109	ug/l	94
61) 1,2-Dibromoethane	8.98	107	36577	22.417	ug/l	99
64) Tetrachloroethene	8.16	164	49134	23.157	ug/l	97
65) Chlorobenzene	9.80	112	124611	23.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	54266	23.358	ug/l	98
67) Ethyl Benzene	9.90	91	236846	23.542	ug/l	98
68) m/p-Xylenes	10.14	106	165525	45.745	ug/l	96
69) o-Xylene	10.72	106	91150	22.844	ug/l	99
70) Styrene	10.79	104	130448	23.584	ug/l	96
71) Bromoform	10.78	173	24595	21.917	ug/l #	97
73) Isopropylbenzene	11.13	105	268443	23.831	ug/l	97
74) N-amyl acetate	11.37	43	62546	24.045	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	44389	23.943	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	34135	25.331	ug/l	95
77) Bromobenzene	11.50	156	56623	22.928	ug/l	92
78) n-propylbenzene	11.60	91	331575	25.135	ug/l	100
79) 2-Chlorotoluene	11.73	91	187080	24.733	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	231333	25.297	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	20254	30.677	ug/l	94
82) 4-Chlorotoluene	11.90	91	185541	23.309	ug/l	94
83) tert-Butylbenzene	12.13	119	228893	24.572	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	216272	23.697	ug/l	98
85) sec-Butylbenzene	12.31	105	309949	24.306	ug/l	98
86) p-Isopropyltoluene	12.47	119	256208	23.965	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	113218	24.101	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	103437	22.594	ug/l	98
89) n-Butylbenzene	12.84	91	261413	24.182	ug/l	93
90) Hexachloroethane	12.92	117	61017	23.701	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	104344	23.455	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8118	22.649	ug/l	71

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

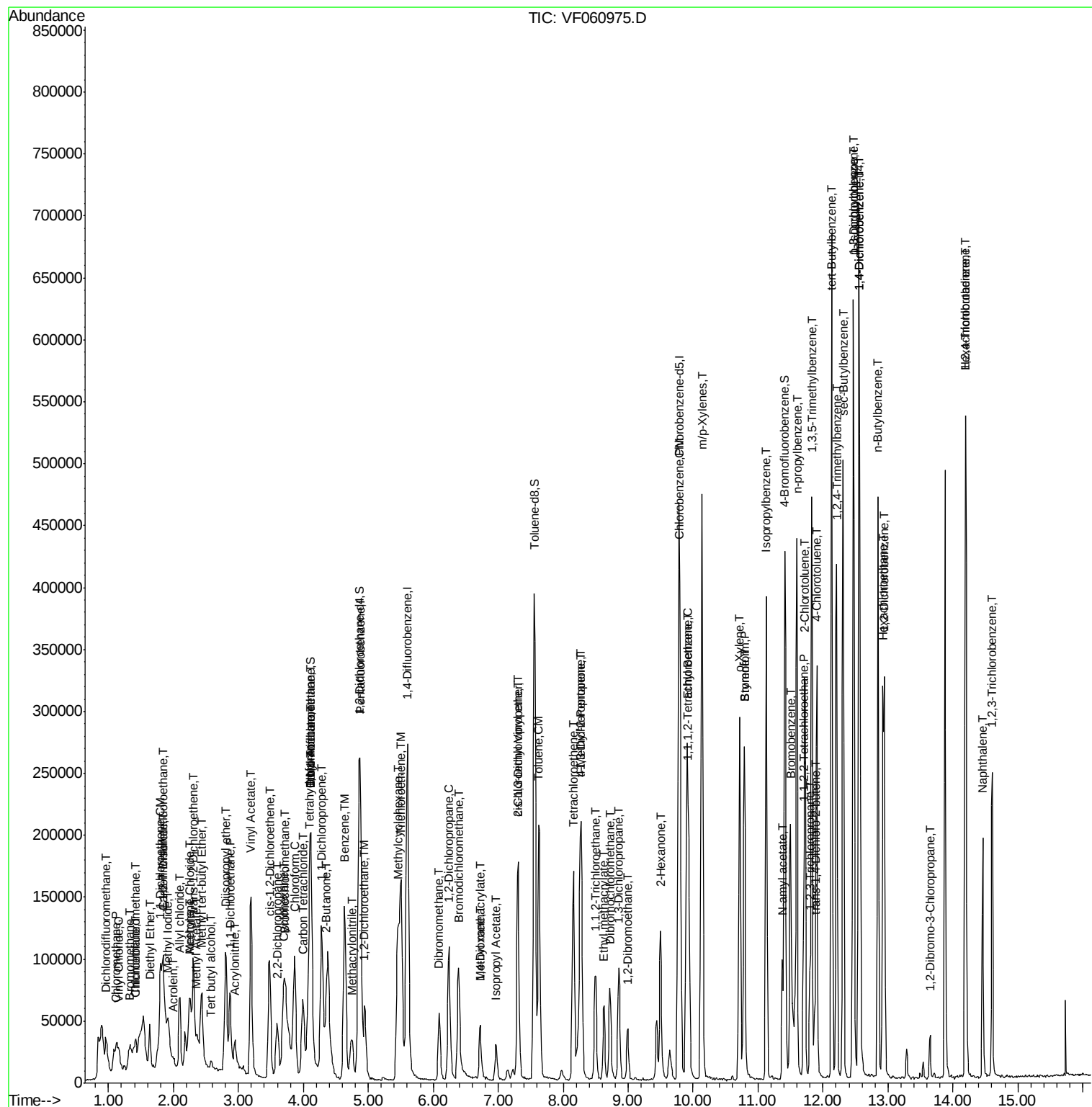
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	78282	25.184	ug/l	94
94) Hexachlorobutadiene	14.19	225	48232	23.277	ug/l	99
95) Naphthalene	14.46	128	133989	20.118	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	67291	23.315	ug/l	95

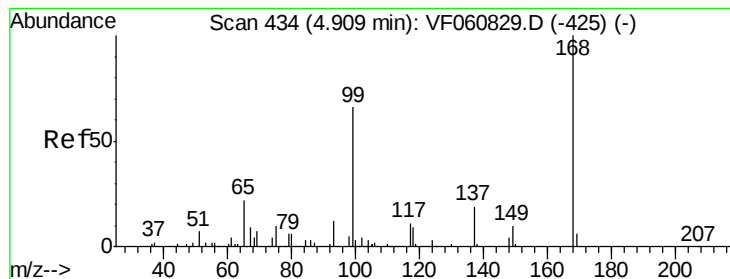
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

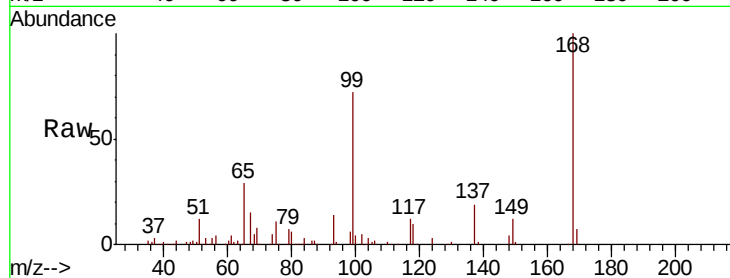
VF1211SBS01

Tot Ion:168 Resp: 191488

Ion Ratio Lower Upper

168 100

99 71.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

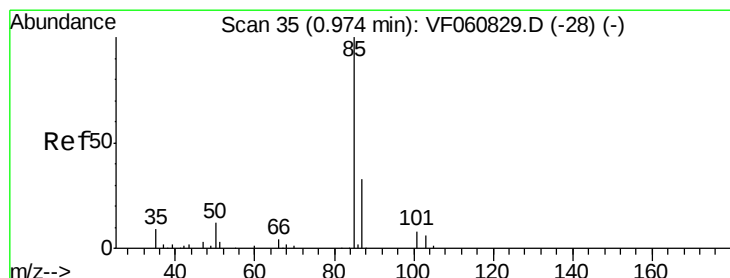
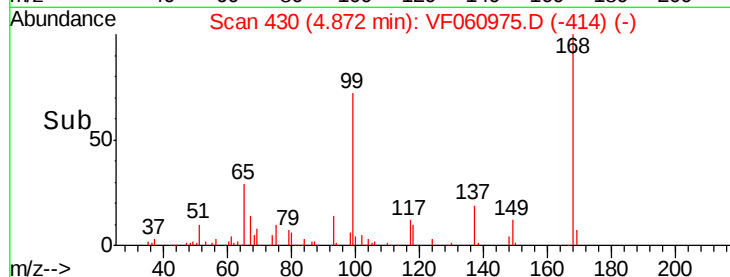
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 20.169 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060975.D

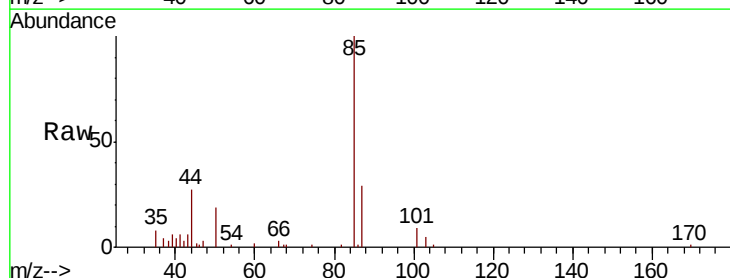
Acq: 11 Dec 2018 14:36

Tgt Ion: 85 Resp: 57746

Ion Ratio Lower Upper

85 100

87 28.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

15000

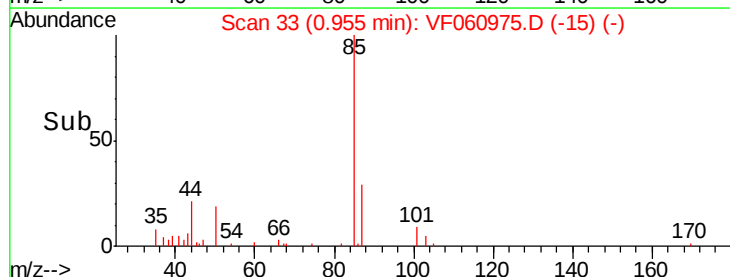
10000

5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.016 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

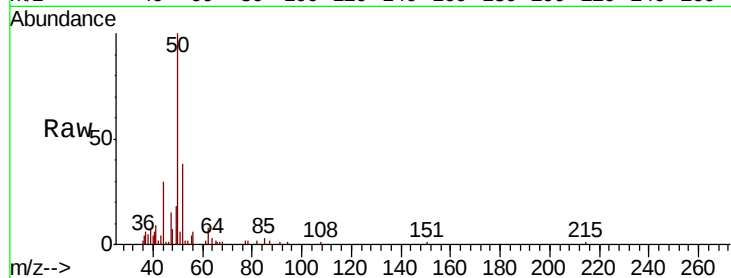
VF1211SBSD01

Tot Ion: 50 Resp: 37291

Ion Ratio Lower Upper

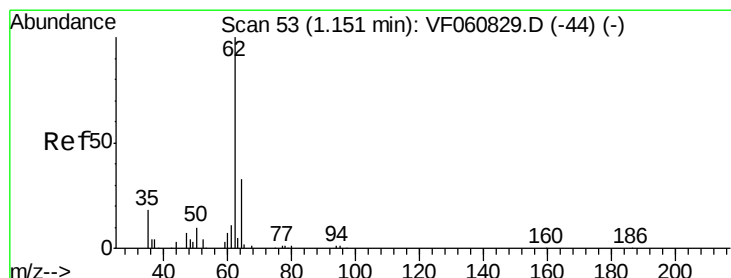
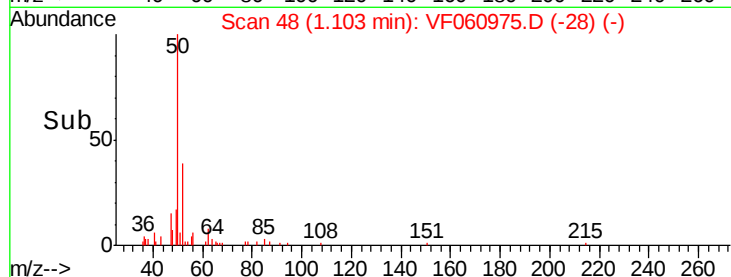
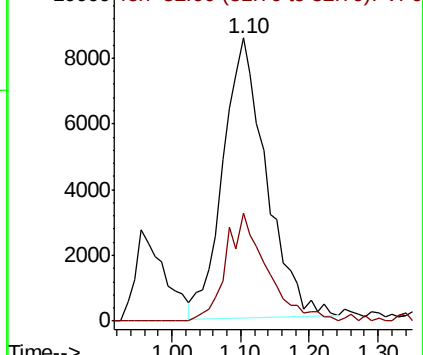
50 100

52 38.1 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.175 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060975.D

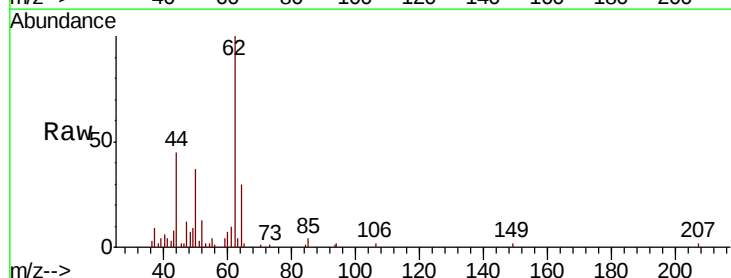
Acq: 11 Dec 2018 14:36

Tgt Ion: 62 Resp: 36799

Ion Ratio Lower Upper

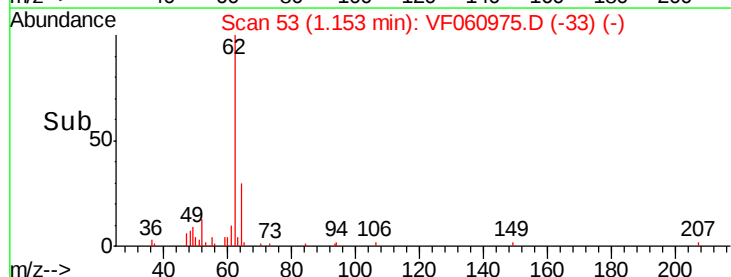
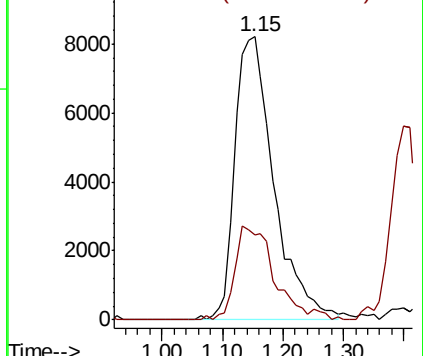
62 100

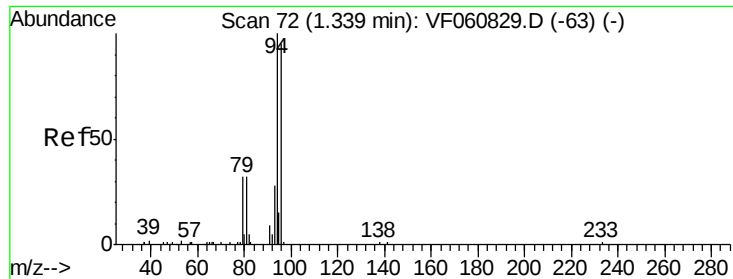
64 29.8 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.878 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

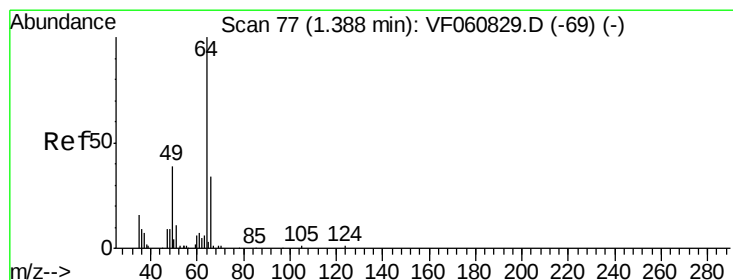
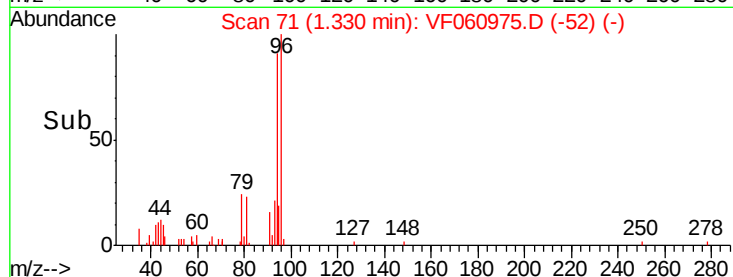
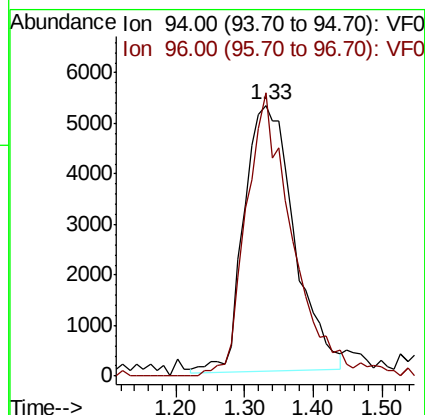
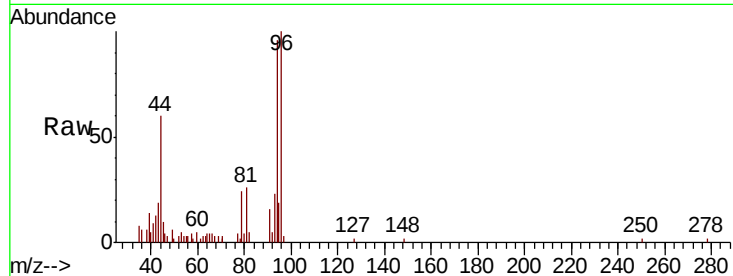
VF1211SBSD01

Tot Ion: 94 Resp: 26810

Ion Ratio Lower Upper

94 100

96 104.4 75.9 113.9



#6

Chloroethane

Concen: 26.332 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060975.D

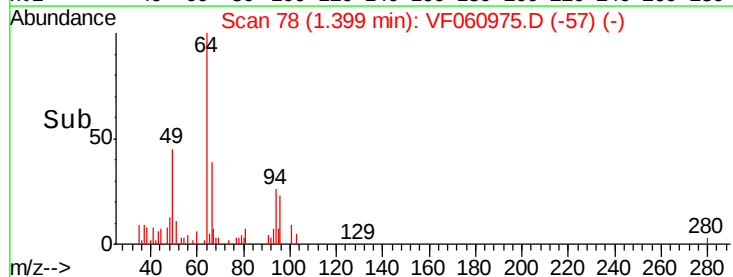
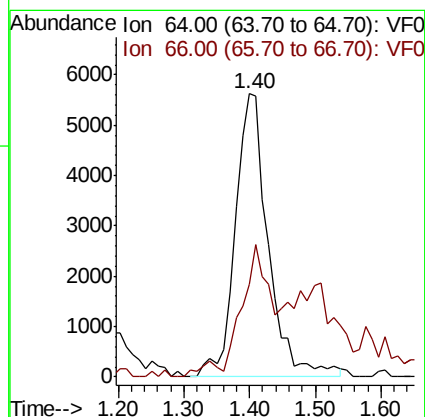
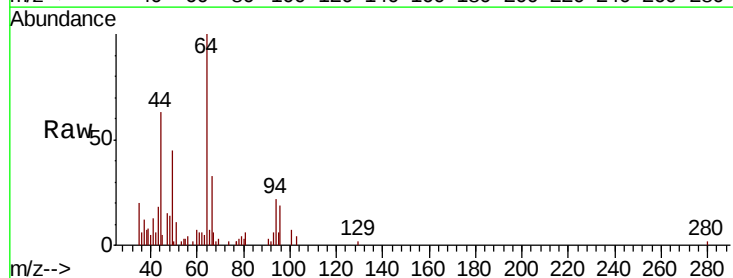
Acq: 11 Dec 2018 14:36

Tgt Ion: 64 Resp: 19781

Ion Ratio Lower Upper

64 100

66 32.8 28.1 42.1





#7

Trichlorofluoromethane

Concen: 2.965 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.08 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

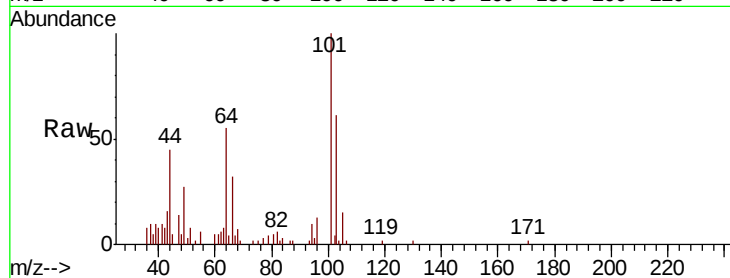
VF1211SBS01

Tot Ion:101 Resp: 11054

Ion Ratio Lower Upper

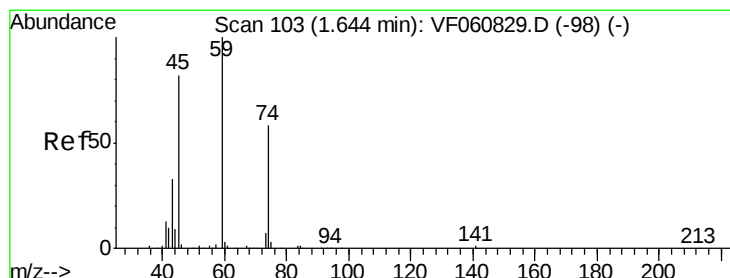
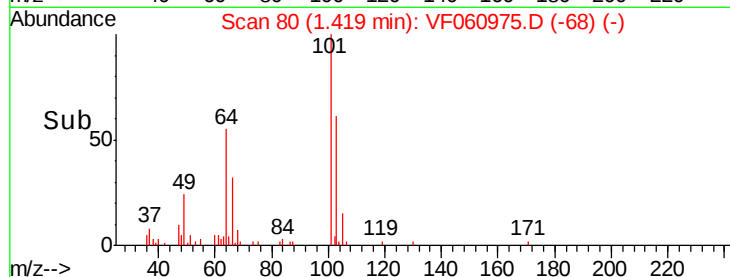
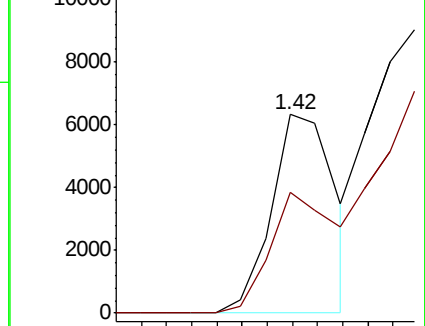
101 100

103 60.5 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.071 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060975.D

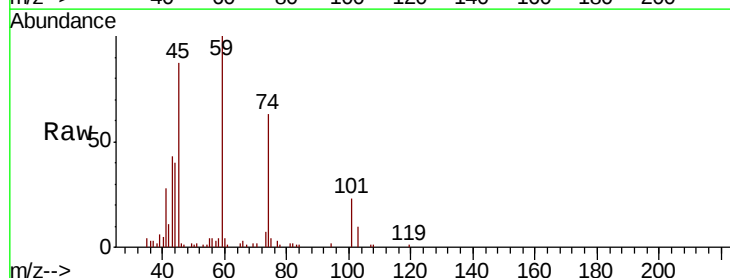
Acq: 11 Dec 2018 14:36

Tgt Ion: 74 Resp: 11298

Ion Ratio Lower Upper

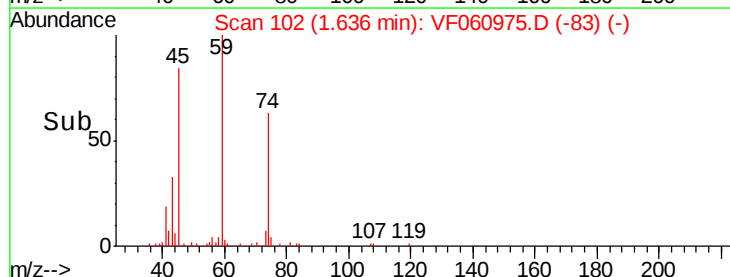
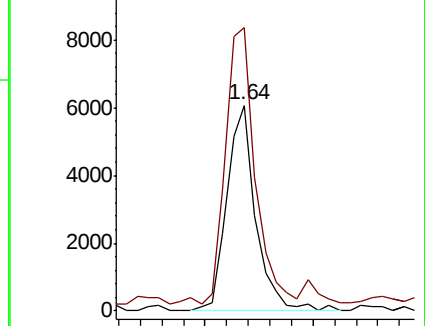
74 100

45 137.9 71.0 212.8



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: 21.741 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

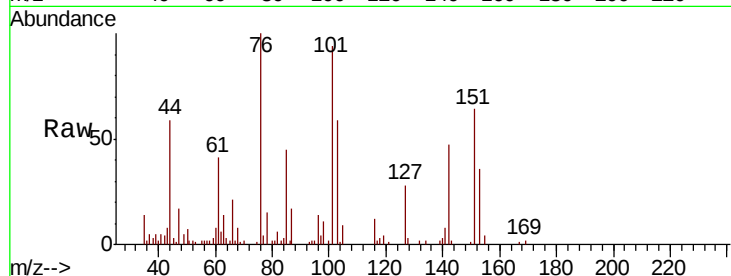
Tot Ion:101 Resp: 40982

Ion Ratio Lower Upper

101 100

85 48.0 42.8 64.2

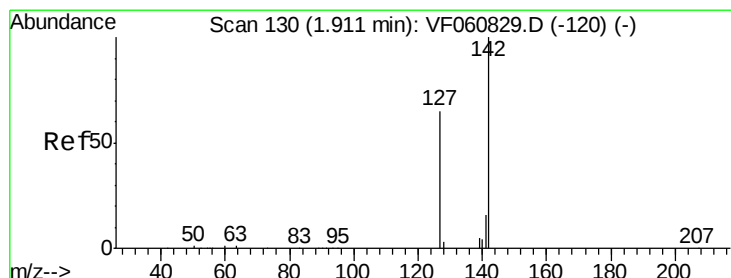
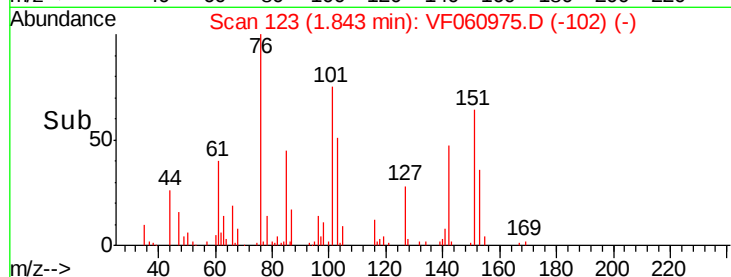
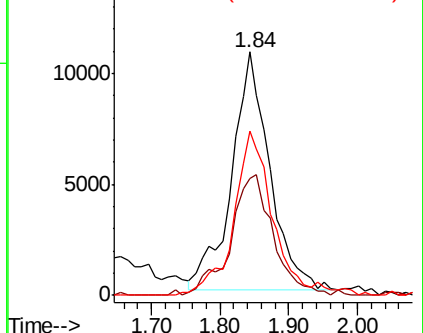
151 67.6 54.4 81.6



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: 19.021 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

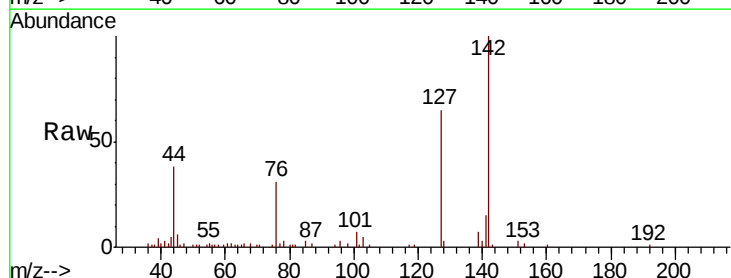
Tgt Ion:142 Resp: 54501

Ion Ratio Lower Upper

142 100

127 65.4 51.9 77.9

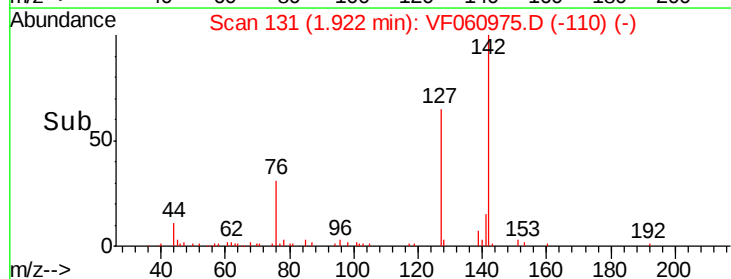
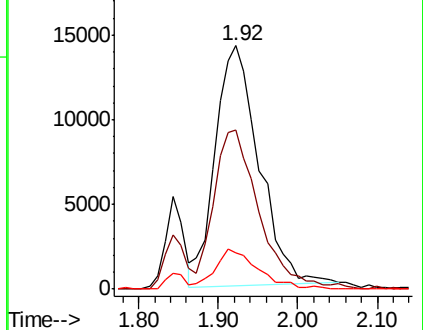
141 14.8 12.7 19.1

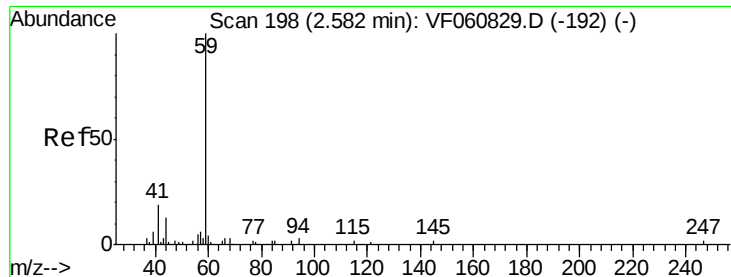


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

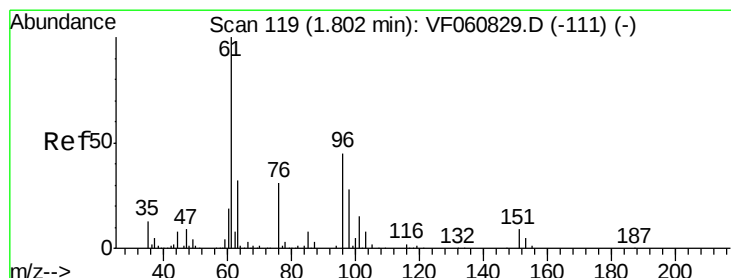
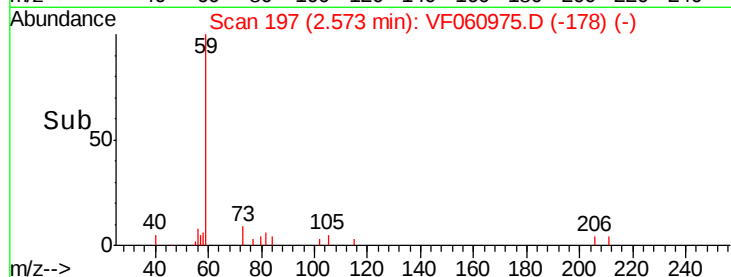
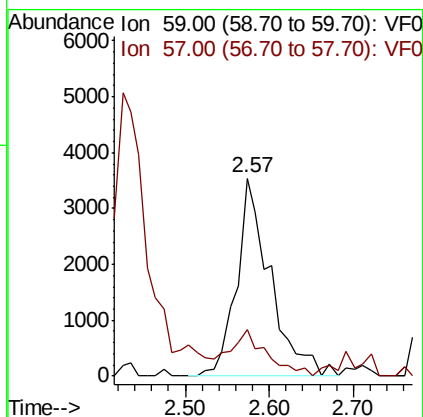
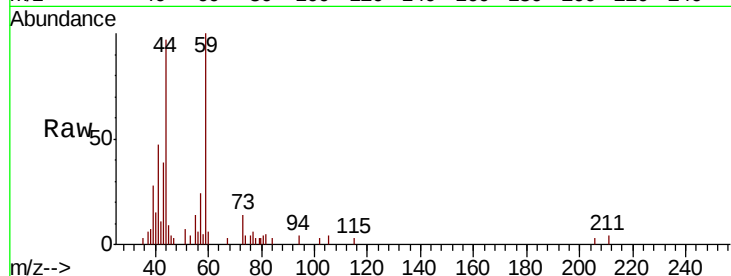




#11
Tert butyl alcohol
Concen: 106.877 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

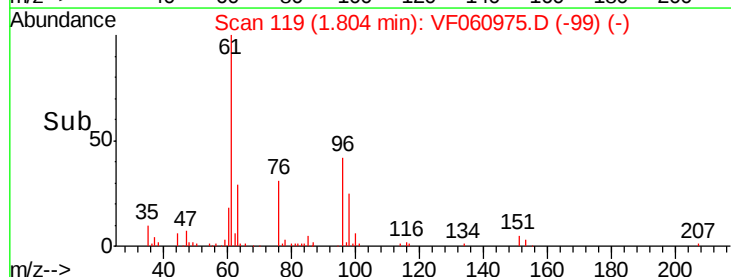
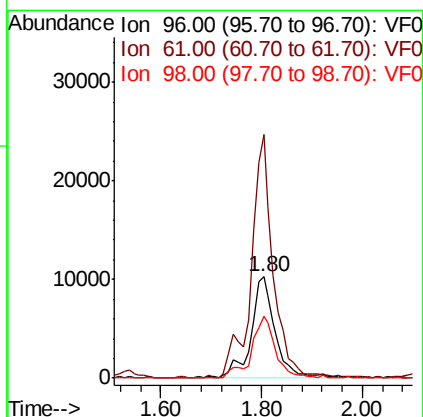
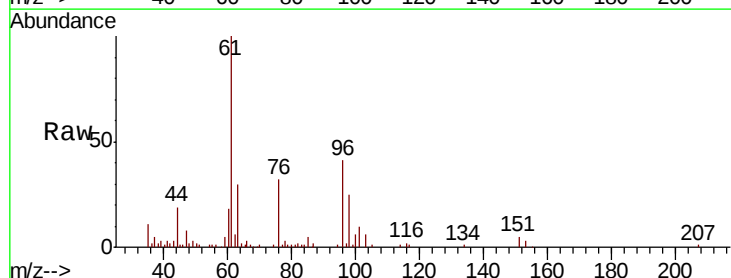
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

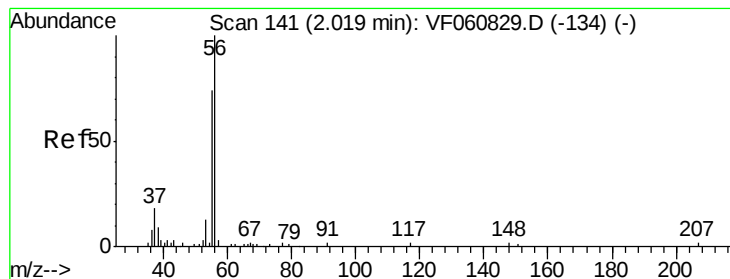
Tot Ion: 59 Resp: 9883
Ion Ratio Lower Upper
59 100
57 23.6 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 22.873 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 96 Resp: 34680
Ion Ratio Lower Upper
96 100
61 241.2 177.3 265.9
98 61.1 49.6 74.4





#13

Acrolein

Concen: 81.906 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

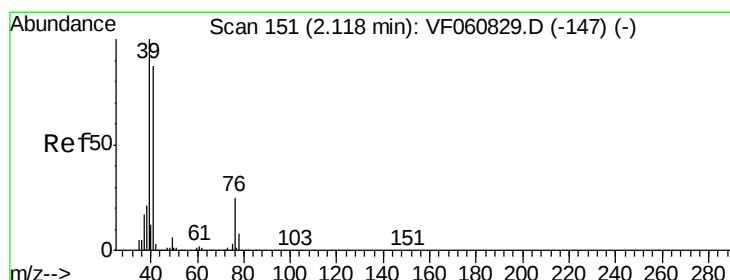
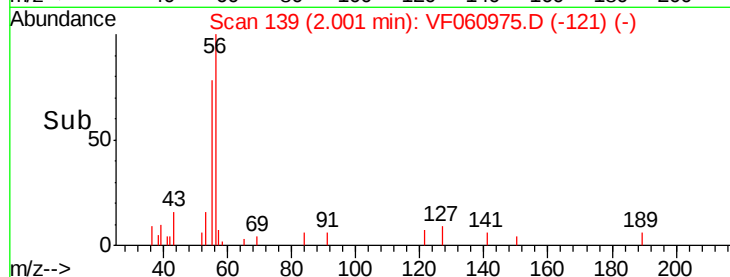
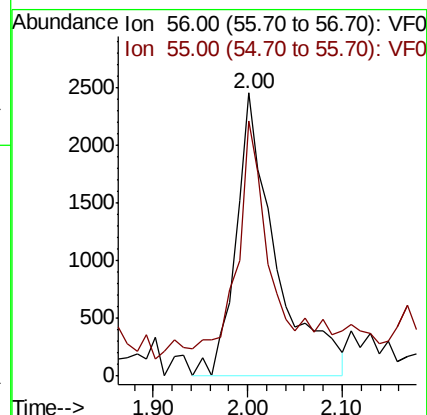
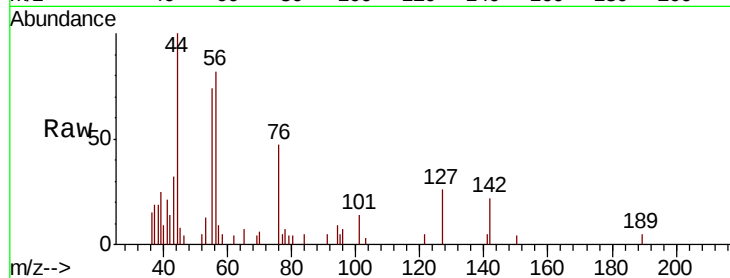
VF1211SBSD01

Tot Ion: 56 Resp: 7176

Ion Ratio Lower Upper

56 100

55 90.0 61.2 91.8



#14

Allyl chloride

Concen: 18.423 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

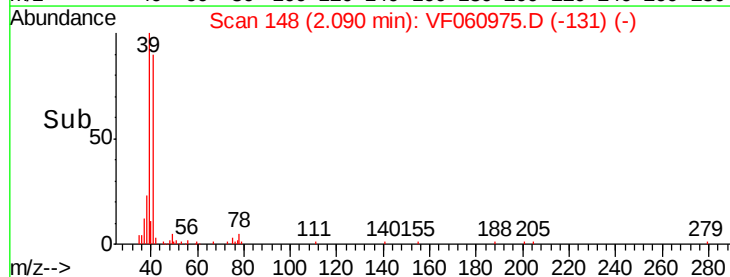
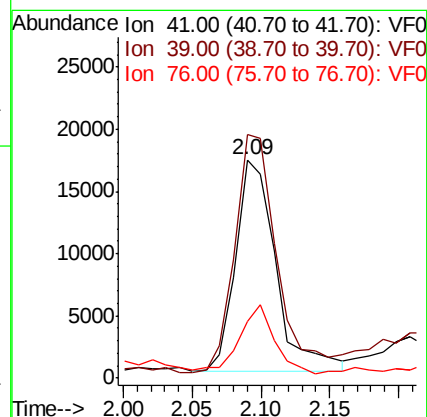
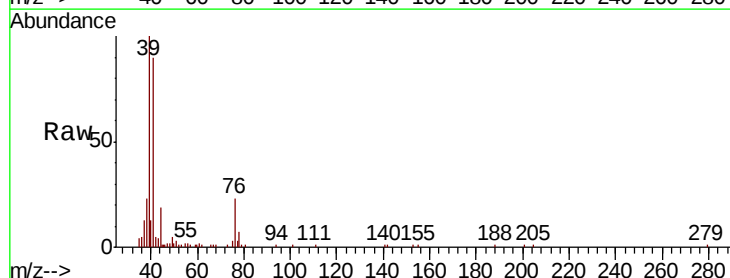
Tgt Ion: 41 Resp: 34817

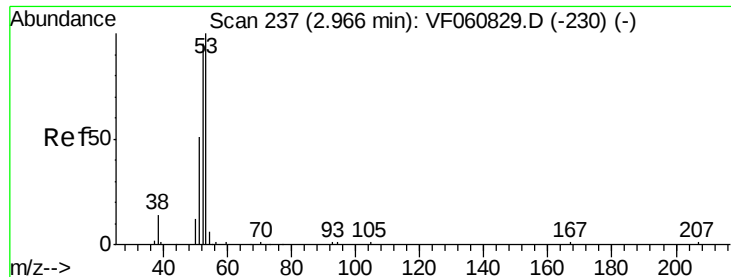
Ion Ratio Lower Upper

41 100

39 111.7 91.7 137.5

76 25.9 23.5 35.3





#15

Acrylonitrile

Concen: 107.105 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

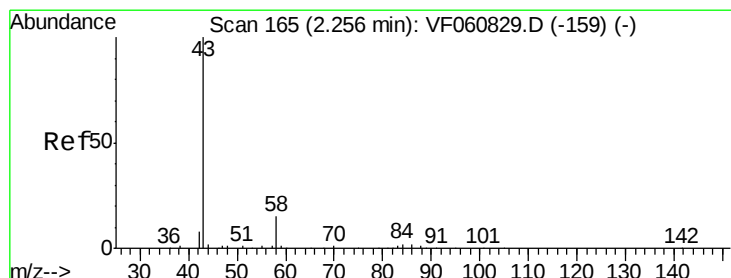
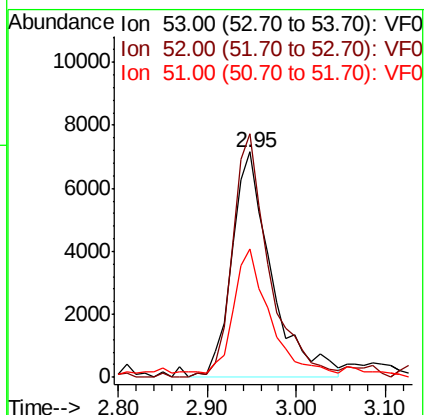
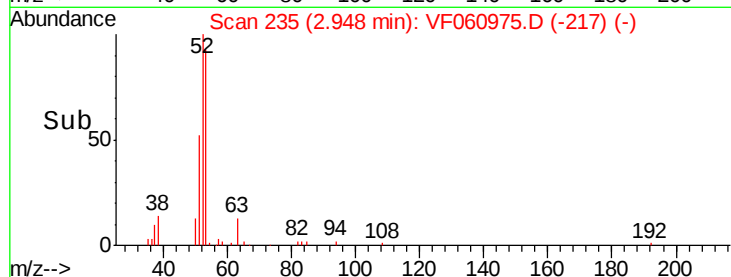
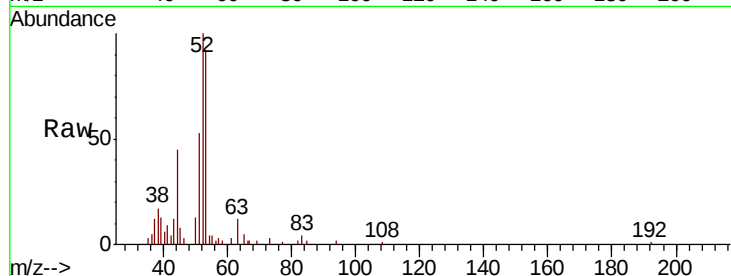
Tot Ion: 53 Resp: 22204

Ion Ratio Lower Upper

53 100

52 108.2 76.5 114.7

51 57.1 40.7 61.1



#16

Acetone

Concen: 124.542 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060975.D

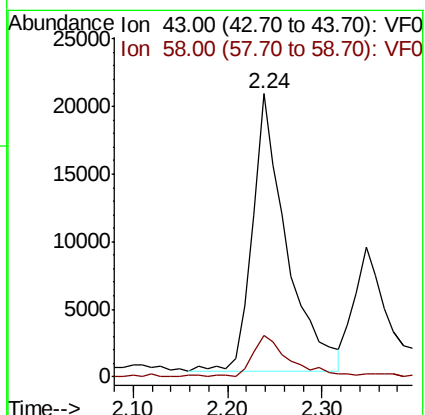
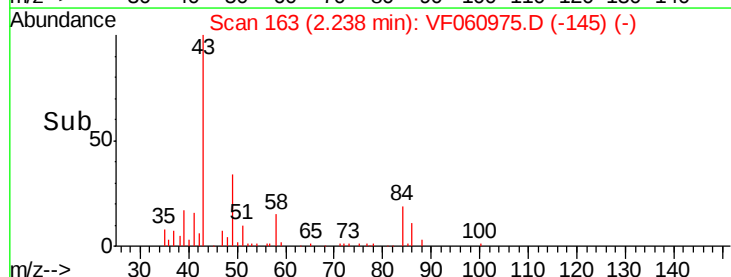
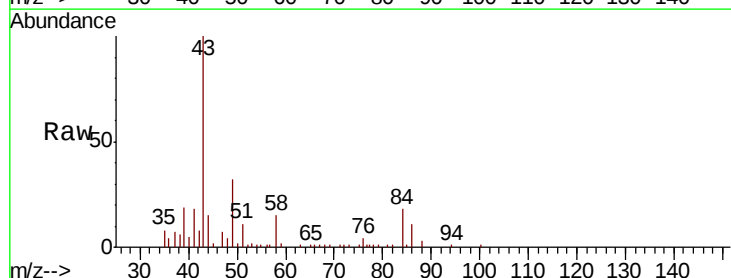
Acq: 11 Dec 2018 14:36

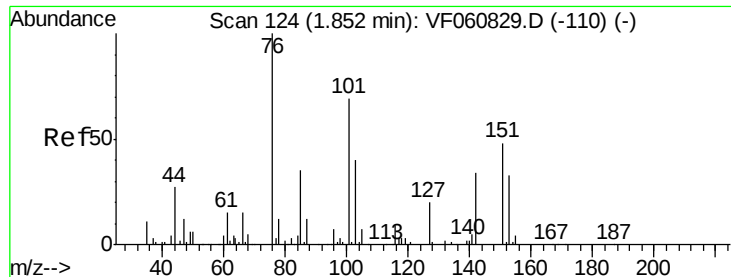
Tgt Ion: 43 Resp: 51807

Ion Ratio Lower Upper

43 100

58 14.7 11.4 17.2

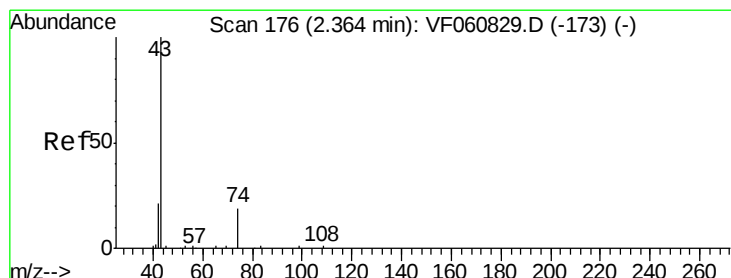
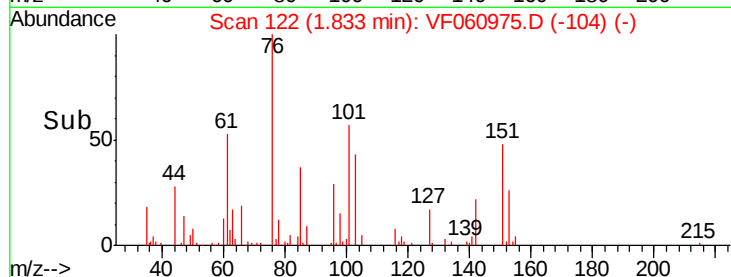
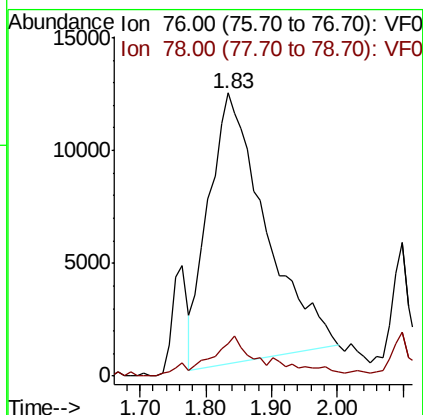
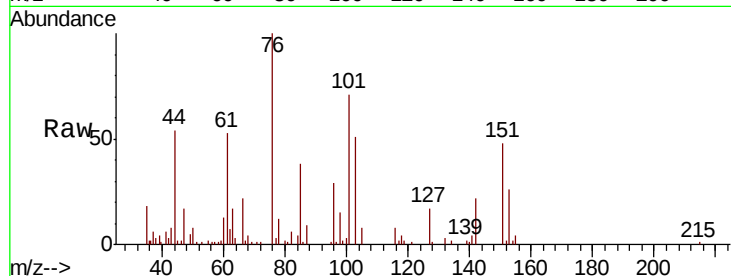




#17
Carbon Disulfide
Concen: 17.761 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

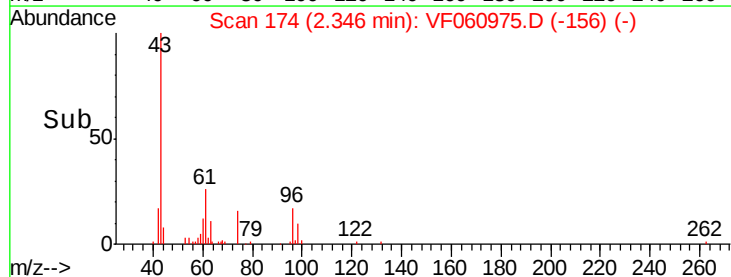
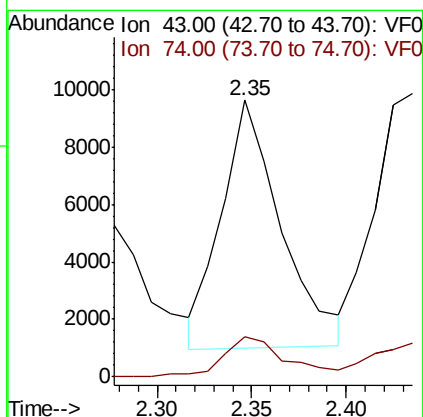
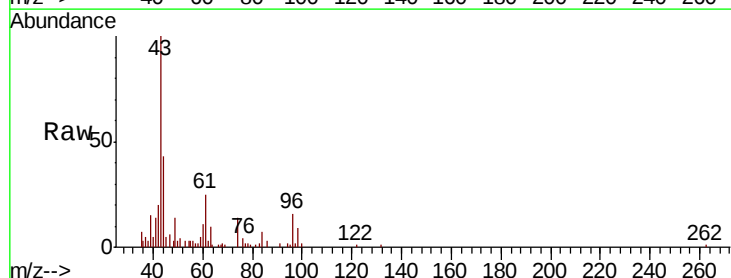
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

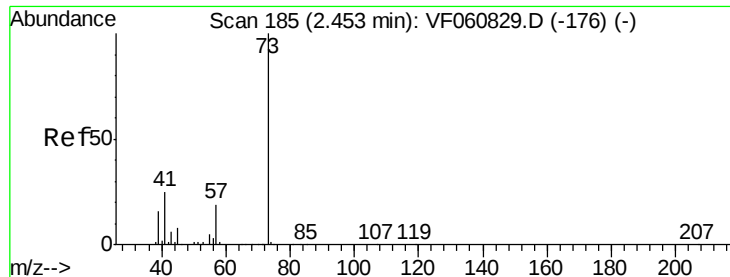
Tot Ion: 76 Resp: 72206
Ion Ratio Lower Upper
76 100
78 11.5 10.2 15.2



#18
Methyl Acetate
Concen: 26.200 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 43 Resp: 18833
Ion Ratio Lower Upper
43 100
74 14.5 13.3 19.9

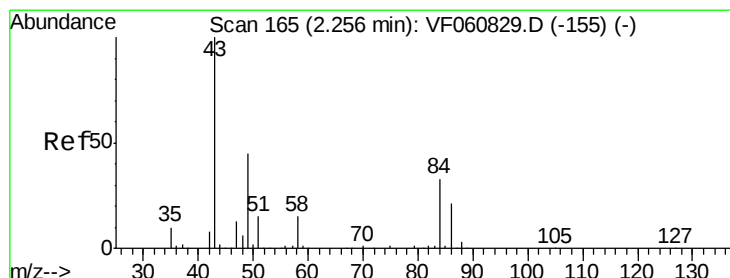
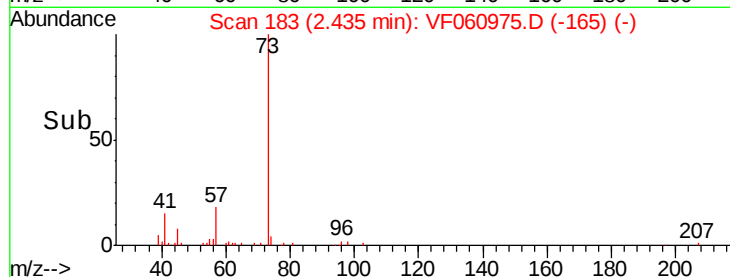
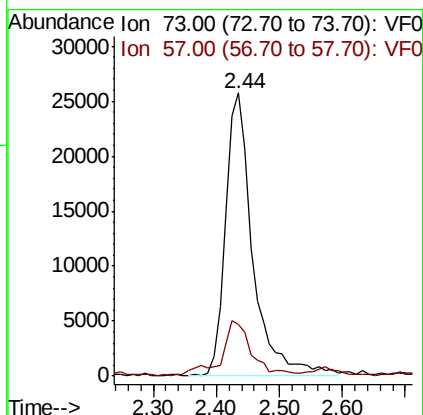
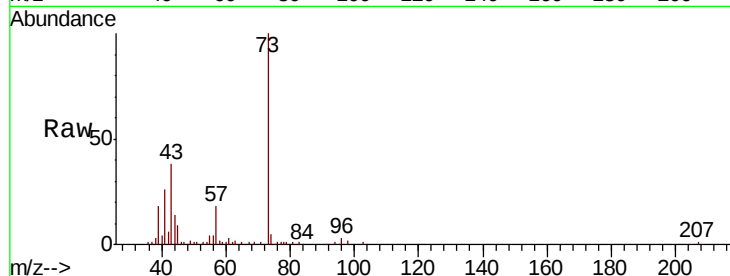




#19
Methyl tert-butyl Ether
Concen: 22.584 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

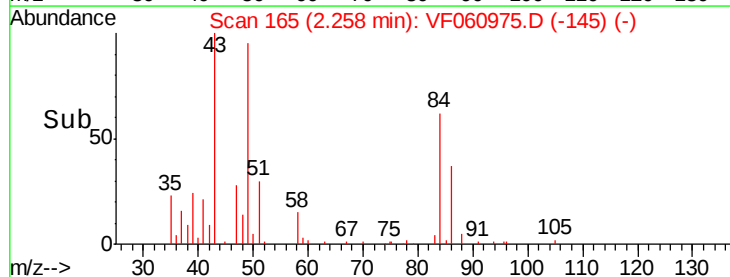
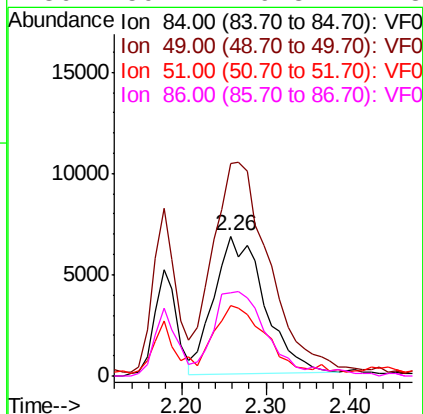
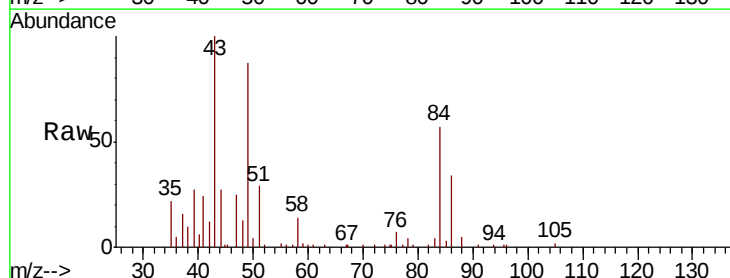
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

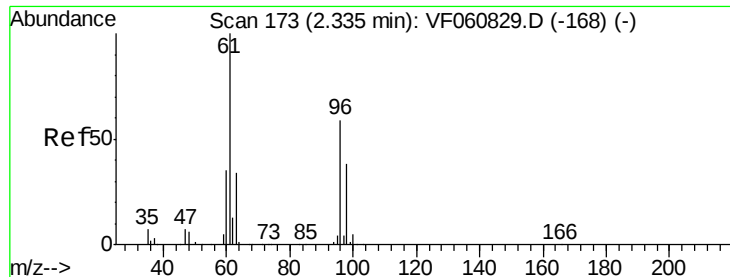
Tot Ion: 73 Resp: 77123
Ion Ratio Lower Upper
73 100
57 18.4 15.3 22.9



#20
Methylene Chloride
Concen: 18.635 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 84 Resp: 28438
Ion Ratio Lower Upper
84 100
49 152.0 111.3 166.9
51 50.4 38.0 57.0
86 59.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.798 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

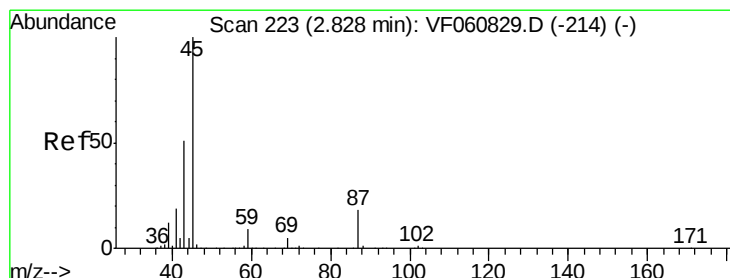
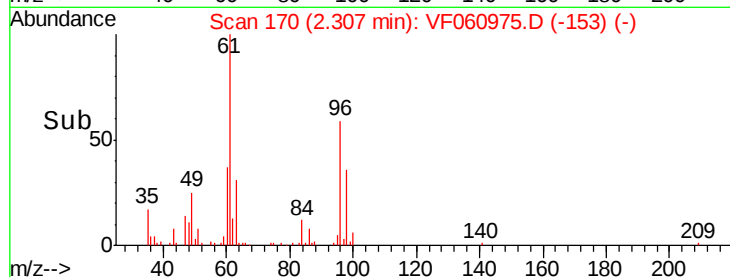
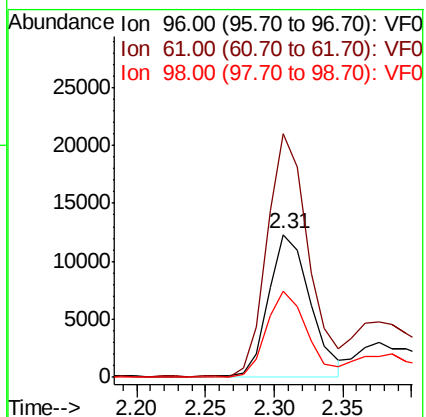
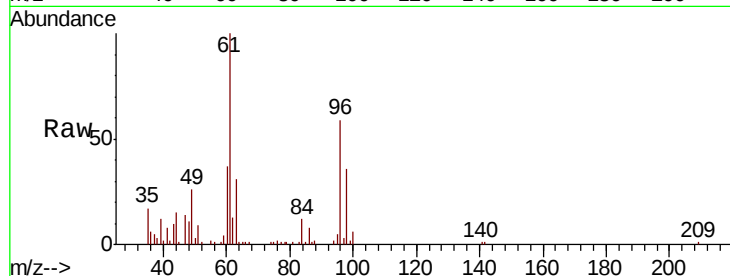
Tot Ion: 96 Resp: 26016

Ion Ratio Lower Upper

96 100

61 170.9 134.5 201.7

98 60.9 51.6 77.4



#22

Diisopropyl ether

Concen: 23.117 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion: 45 Resp: 118917

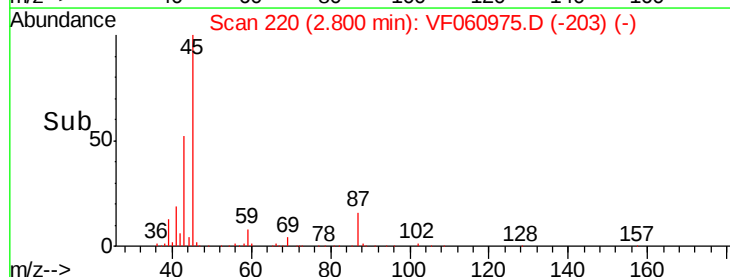
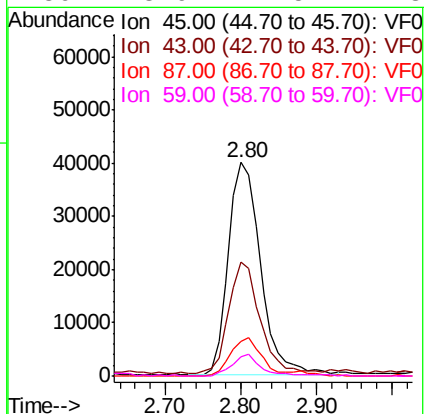
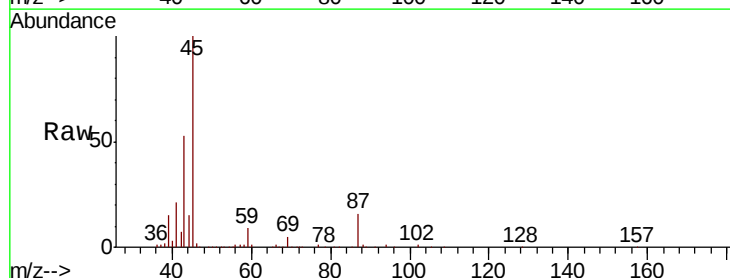
Ion Ratio Lower Upper

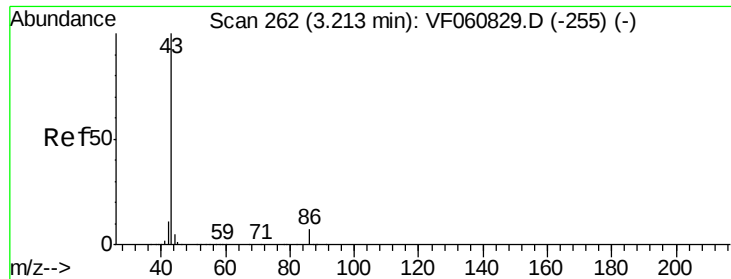
45 100

43 53.4 41.0 61.6

87 16.2 14.6 22.0

59 8.9 7.5 11.3





#23

Vinyl Acetate

Concen: 124.452 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

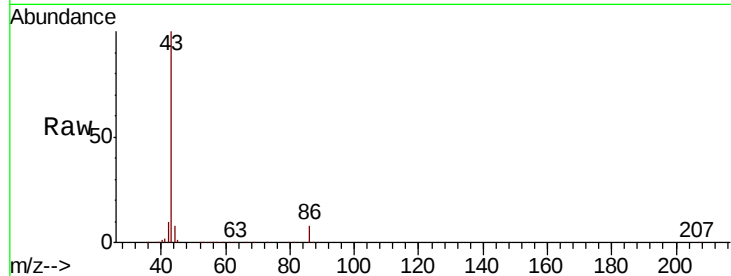
VF1211SBSD01

Tot Ion: 43 Resp: 292638

Ion Ratio Lower Upper

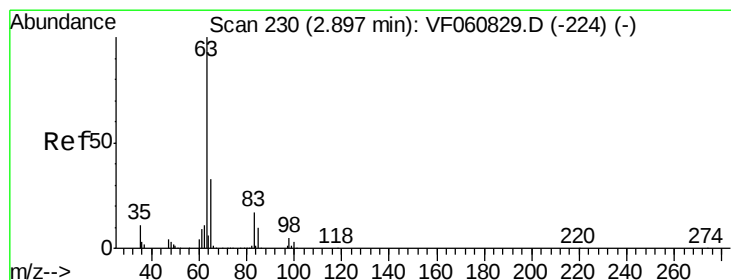
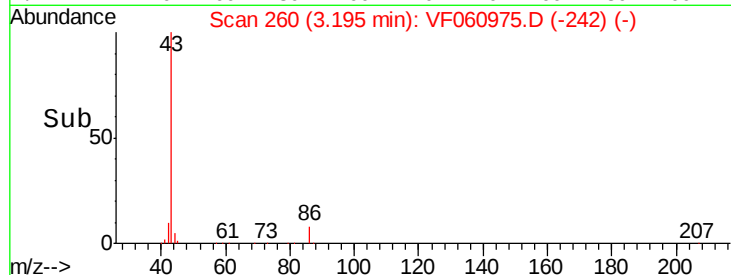
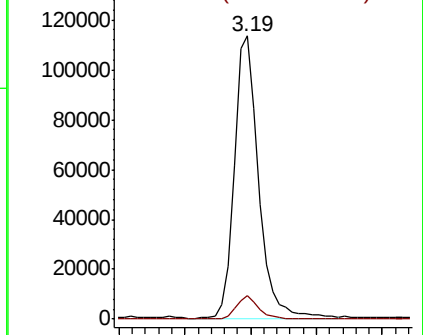
43 100

86 8.2 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.748 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

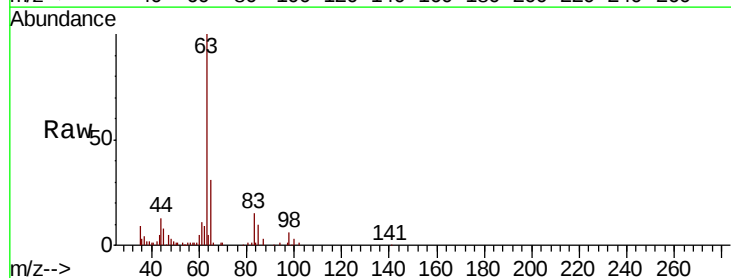
Tgt Ion: 63 Resp: 66560

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

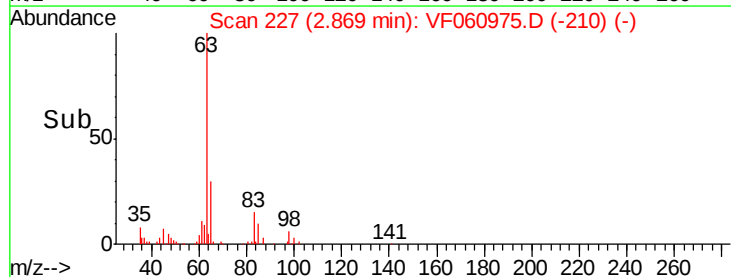
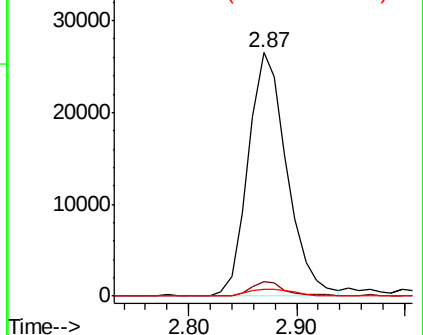
100 2.7 1.5 4.5

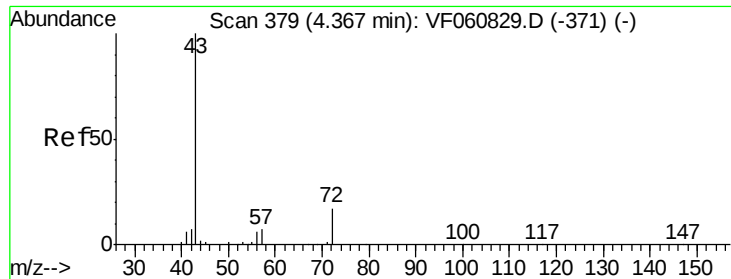


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 118.392 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

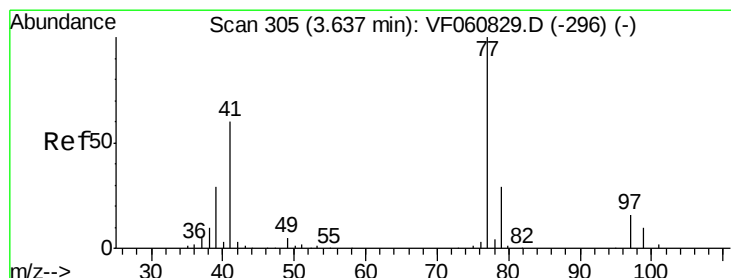
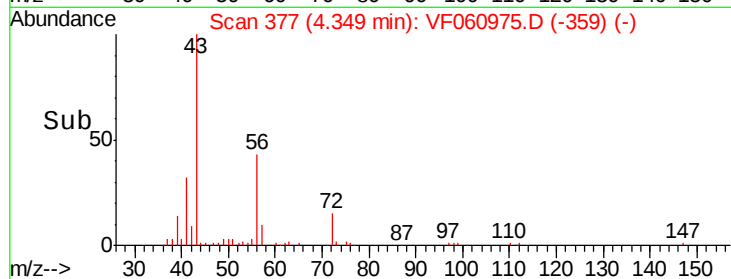
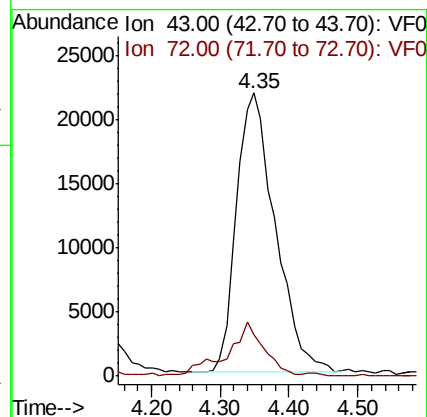
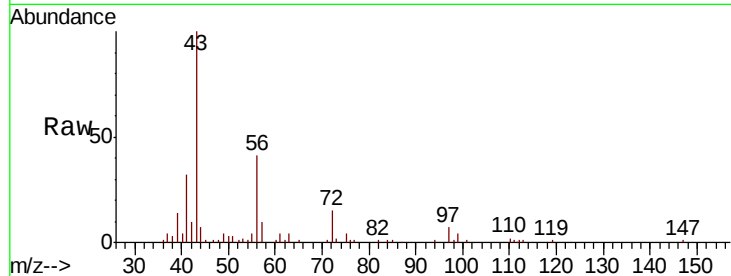
VF1211SBSD01

Tot Ion: 43 Resp: 85183

Ion Ratio Lower Upper

43 100

72 14.8 15.4 23.2#



#26

2,2-Dichloropropane

Concen: 21.804 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.04 min

Lab File: VF060975.D

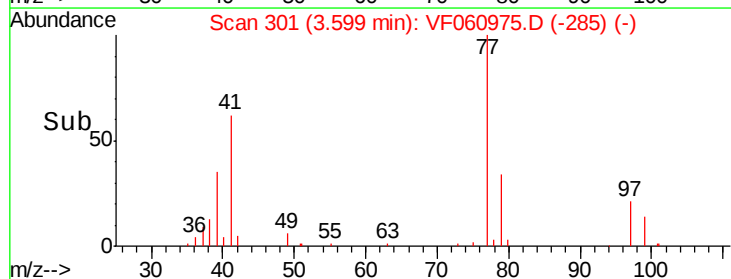
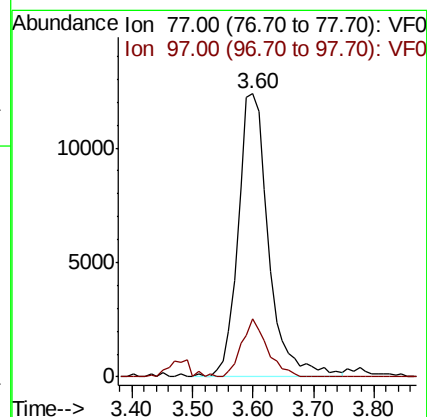
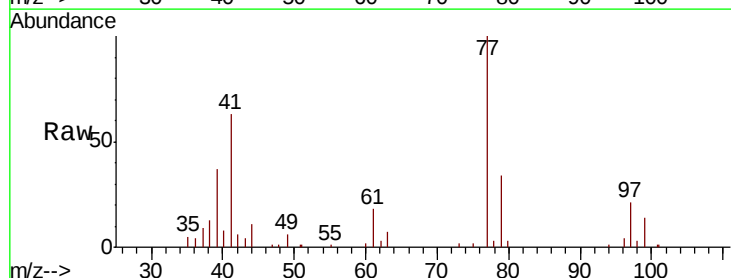
Acq: 11 Dec 2018 14:36

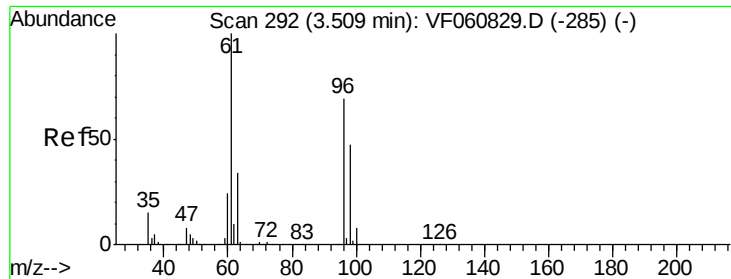
Tgt Ion: 77 Resp: 43263

Ion Ratio Lower Upper

77 100

97 20.7 8.6 25.8



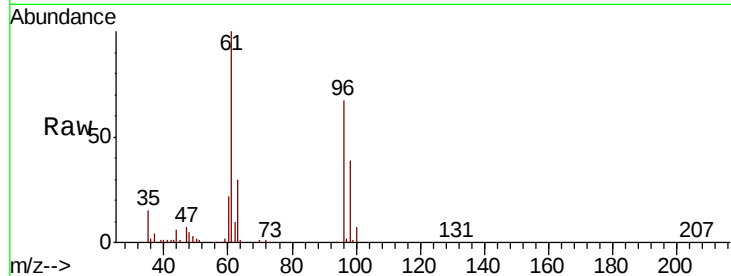


#27

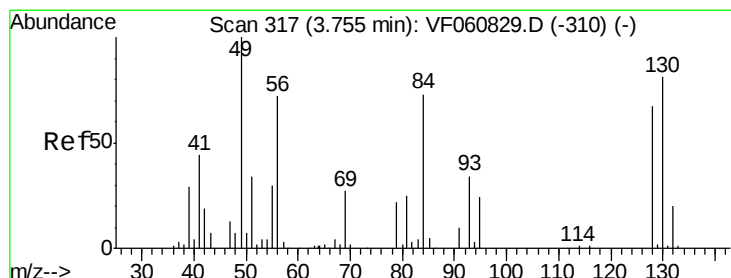
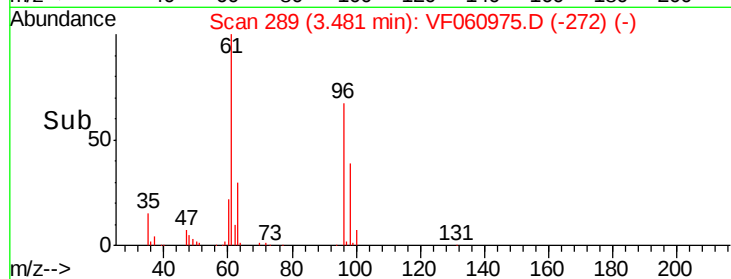
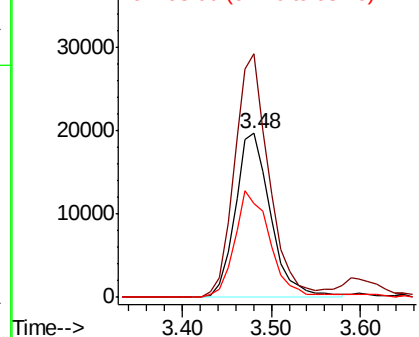
cis-1,2-Dichloroethene
 Concen: 22.955 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion	96	Resp	54628
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	290.6
98	57.7	0.0	137.8



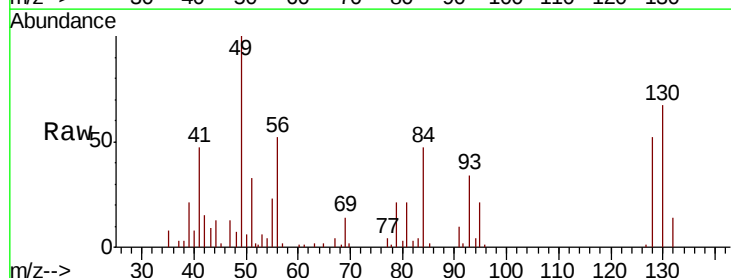
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



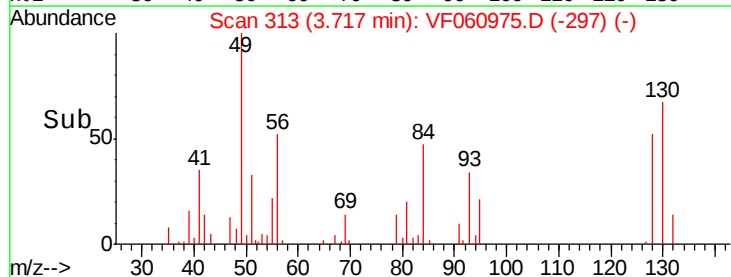
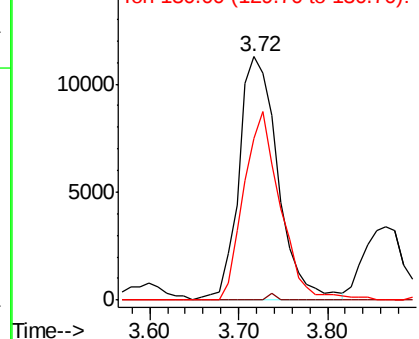
#28

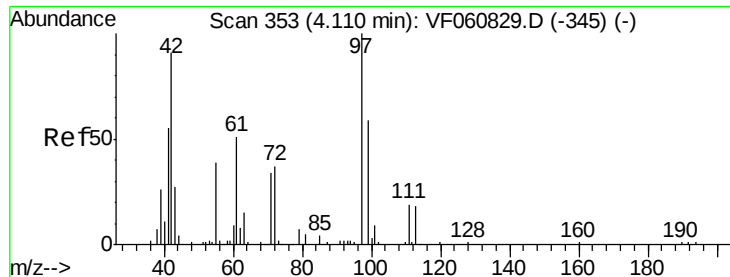
Bromochloromethane
 Concen: 23.436 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	49	Resp	34424
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	66.5	64.2	96.4



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: 105.080 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

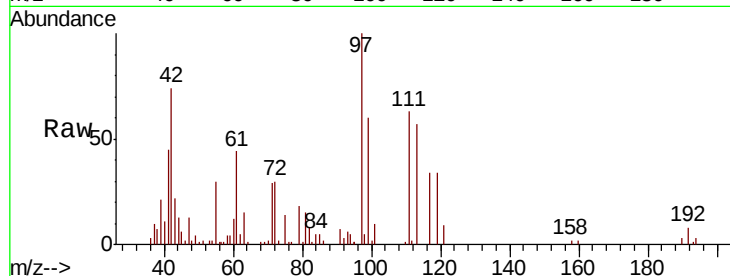
Tot Ion: 42 Resp: 32048

Ion Ratio Lower Upper

42 100

72 39.5 31.9 47.9

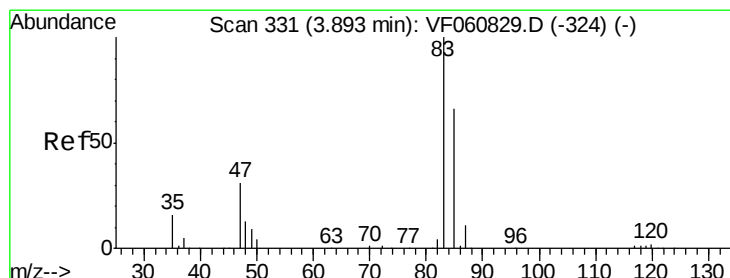
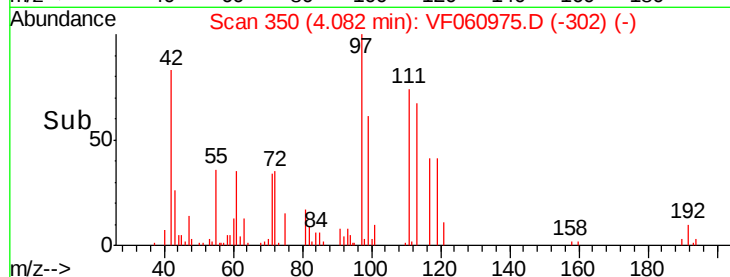
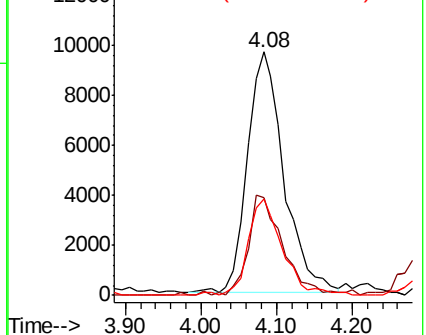
71 38.0 28.7 43.1



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: 22.920 ug/l

RT: 3.87 min Scan# 328

Delta R.T. -0.03 min

Lab File: VF060975.D

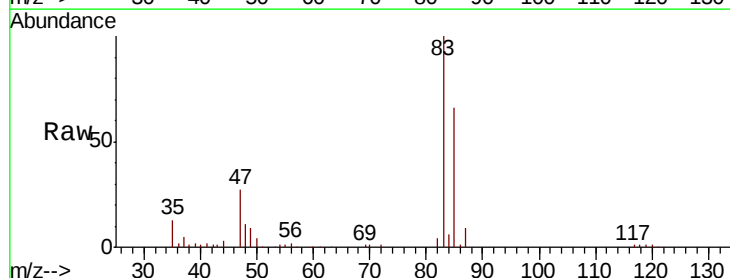
Acq: 11 Dec 2018 14:36

Tgt Ion: 83 Resp: 107963

Ion Ratio Lower Upper

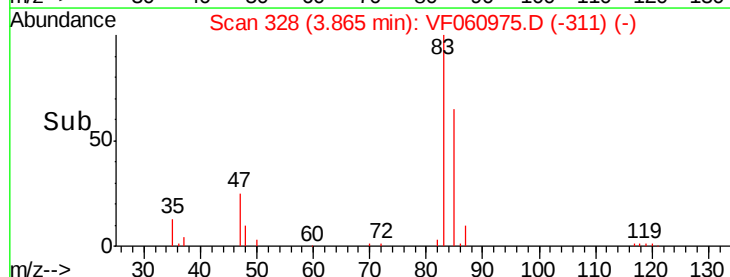
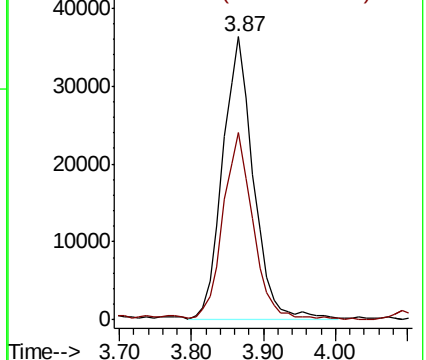
83 100

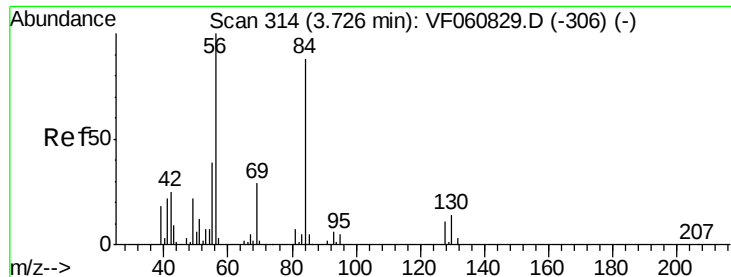
85 66.1 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 12.804 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

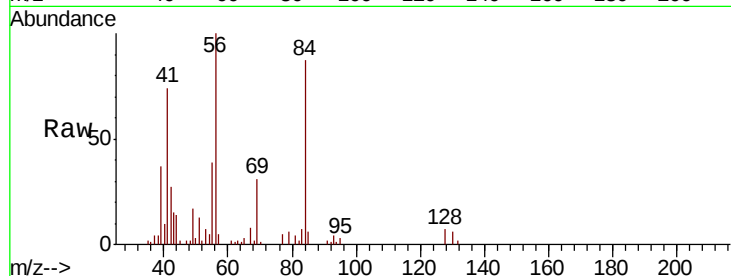
Tot Ion: 56 Resp: 40670

Ion Ratio Lower Upper

56 100

69 30.6 23.0 34.4

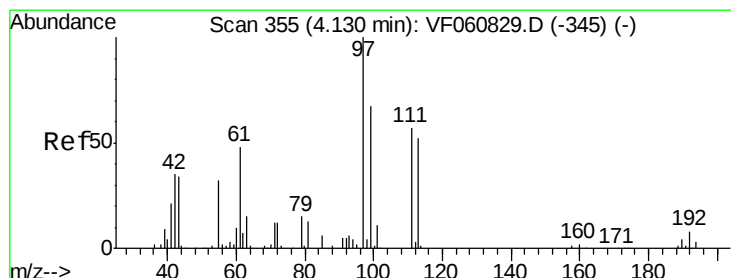
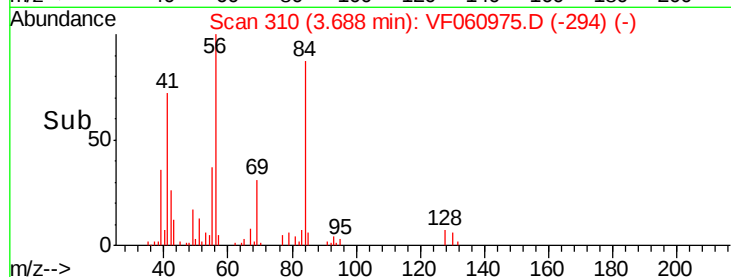
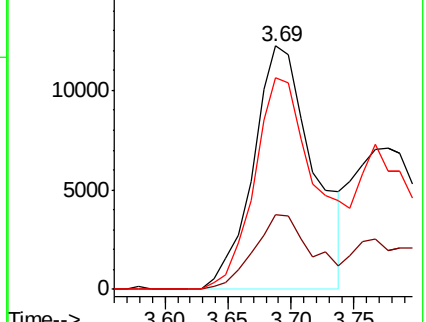
84 86.8 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 17.050 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

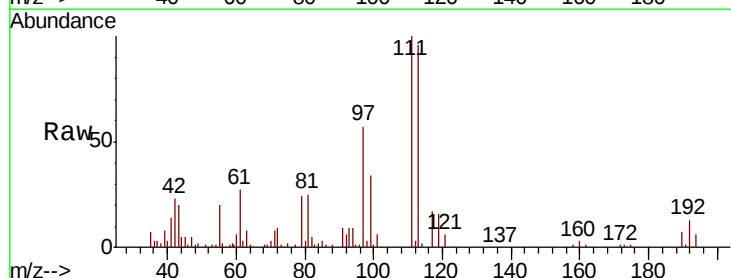
Tgt Ion: 97 Resp: 55699

Ion Ratio Lower Upper

97 100

99 58.8 53.5 80.3

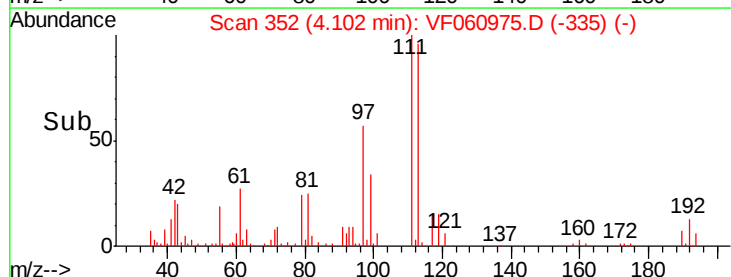
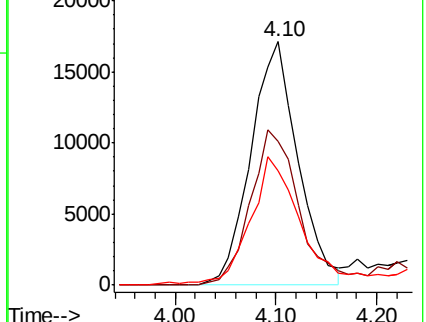
61 47.2 38.6 58.0

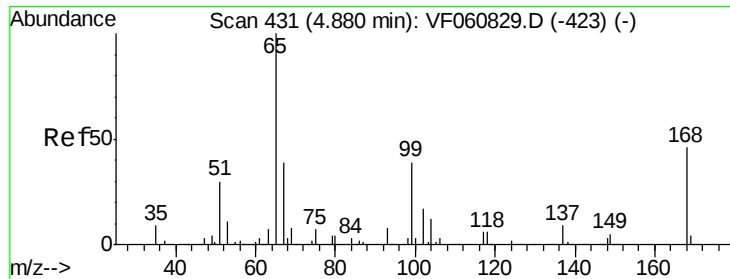


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.762 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

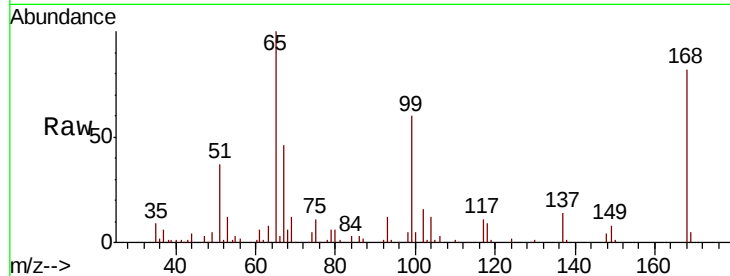
VF1211SBSD01

Tot Ion: 65 Resp: 114508

Ion Ratio Lower Upper

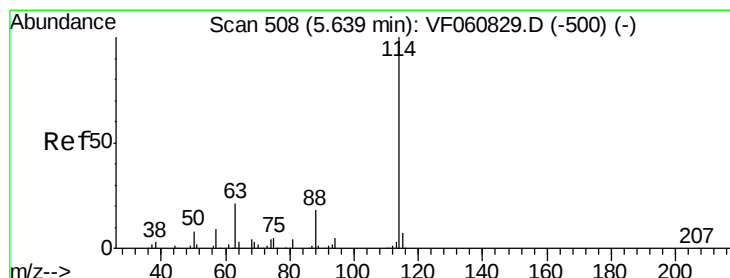
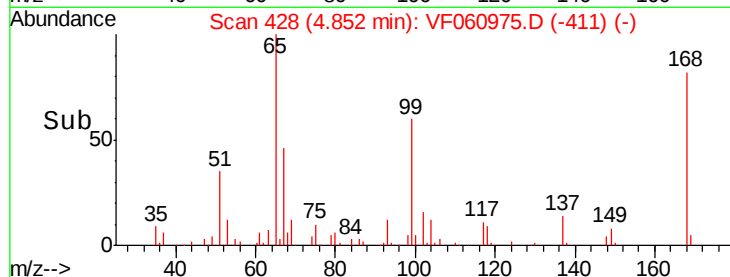
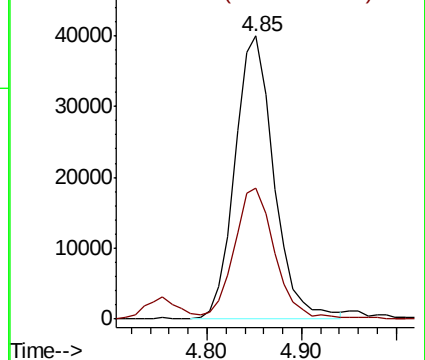
65 100

67 46.2 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

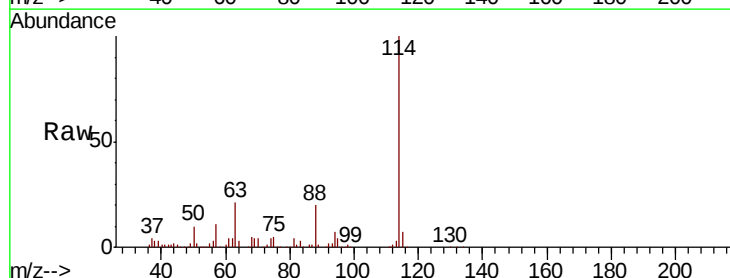
Tgt Ion: 114 Resp: 301164

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

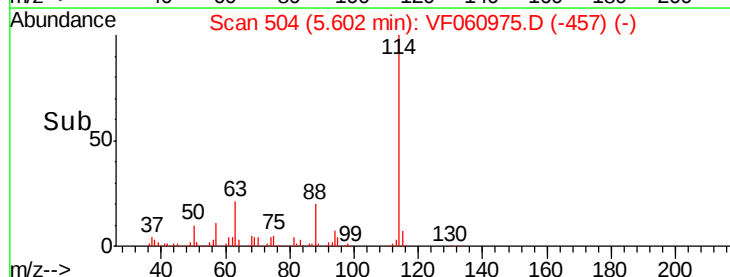
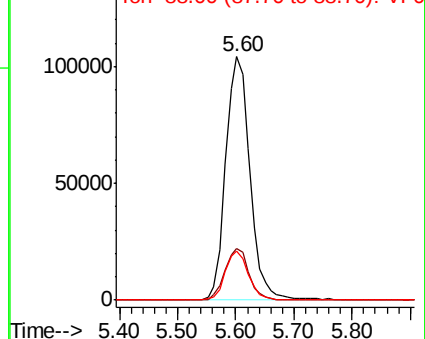
88 20.2 0.0 36.6

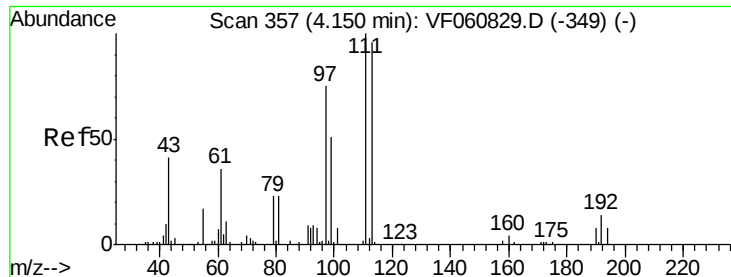


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

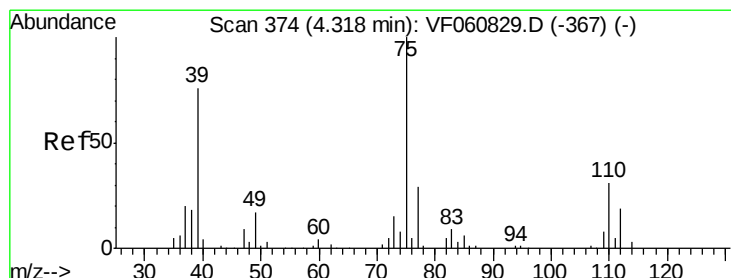
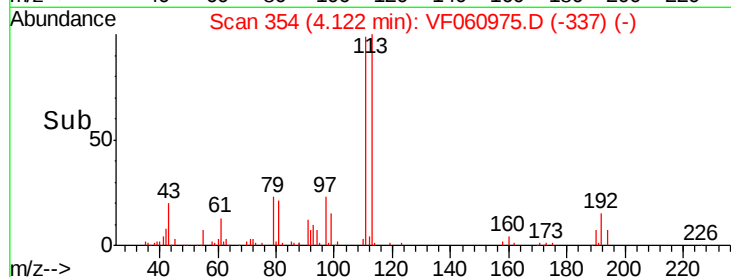
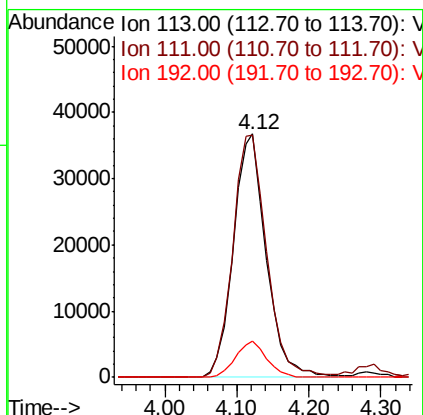
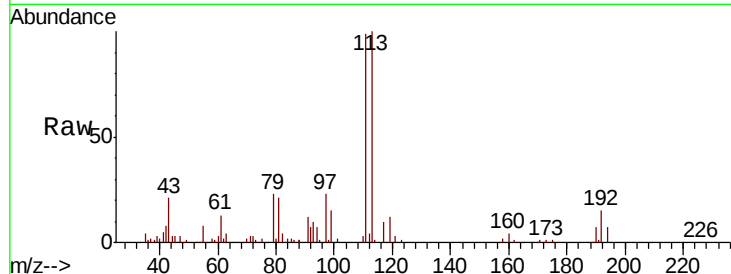




#35
 Dibromofluoromethane
 Concen: 48.581 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

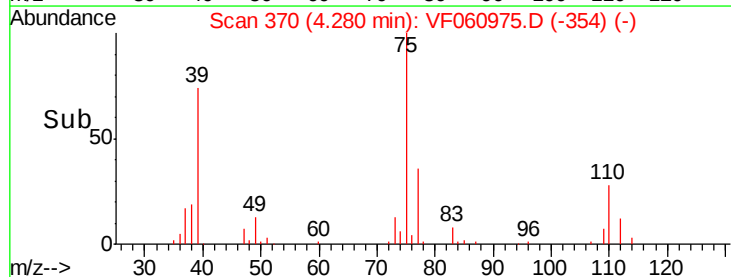
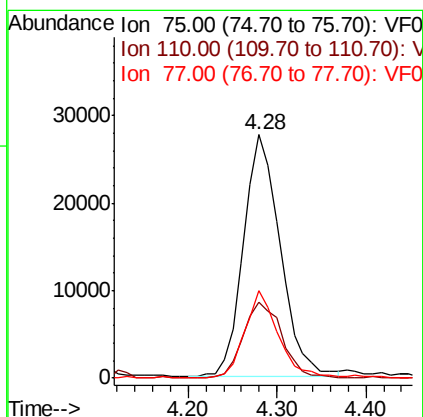
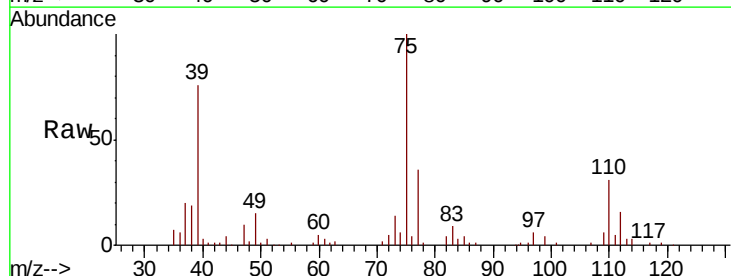
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

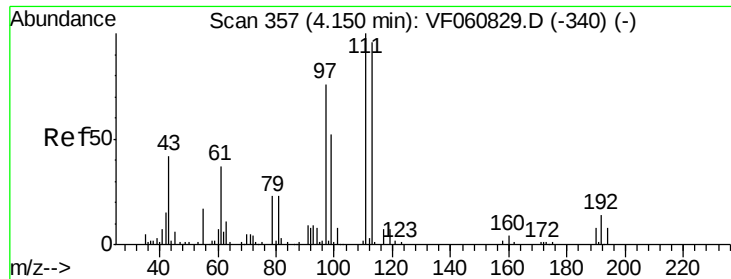
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	83.0	124.6
192	15.0	12.3	18.5



#36
 1,1-Dichloropropene
 Concen: 23.780 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.6	46.8
77	35.7	23.4	35.0#





#37

Ethyl Acetate

Concen: 21.256 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

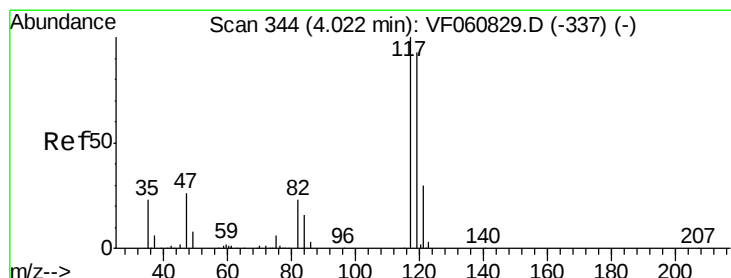
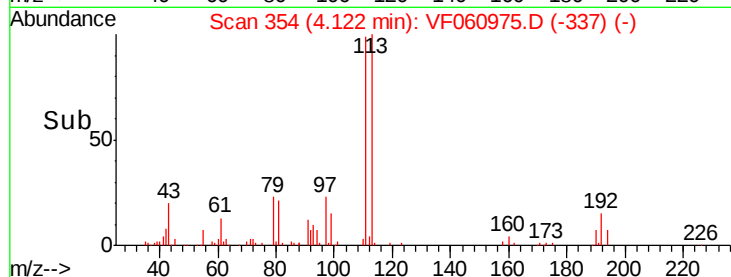
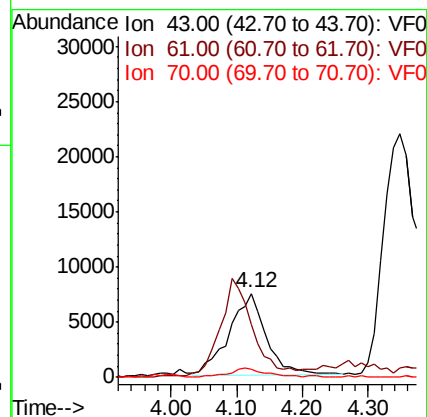
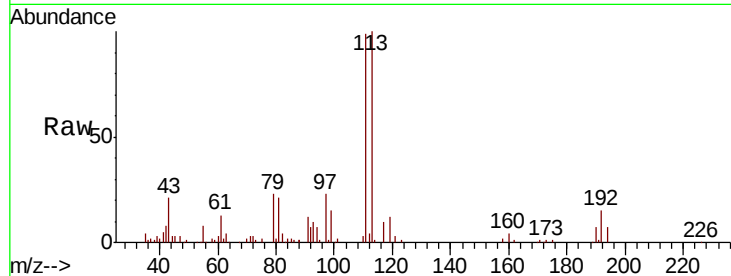
Tot Ion: 43 Resp: 28854

Ion Ratio Lower Upper

43 100

61 63.1 68.6 103.0#

70 9.5 9.0 13.4



#38

Carbon Tetrachloride

Concen: 20.139 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

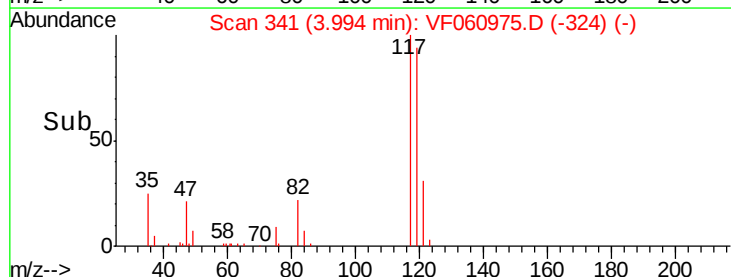
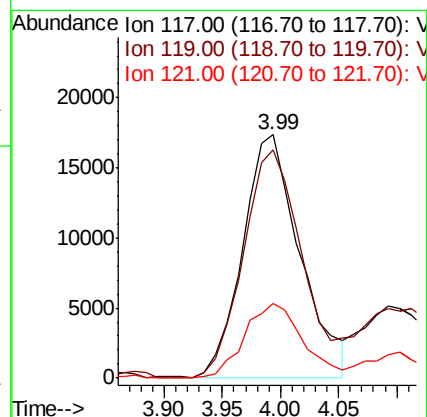
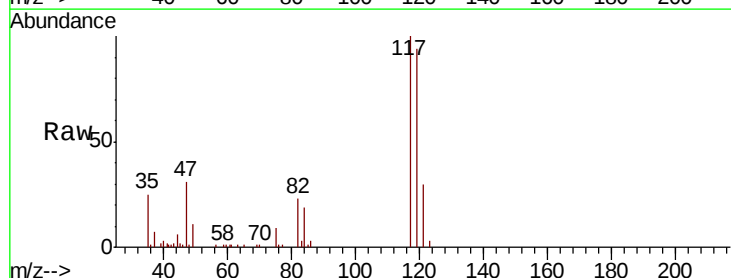
Tgt Ion: 117 Resp: 59417

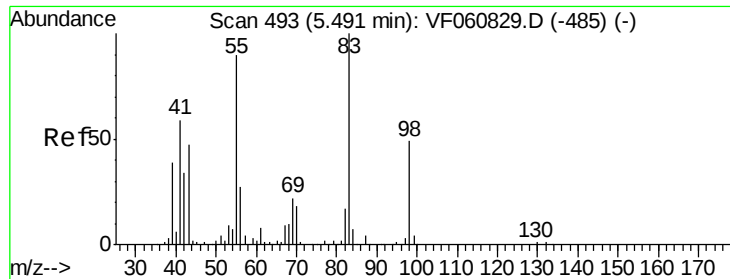
Ion Ratio Lower Upper

117 100

119 93.9 74.4 111.6

121 30.4 23.5 35.3

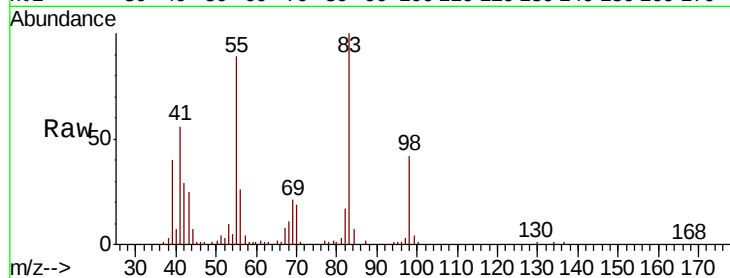




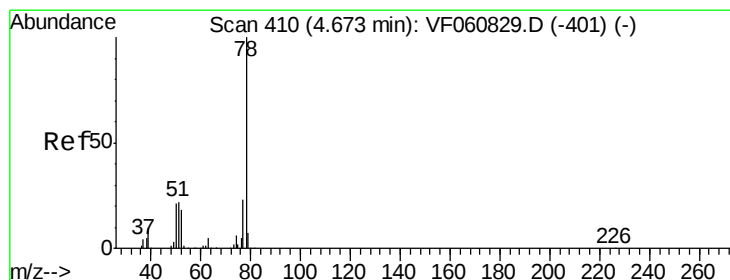
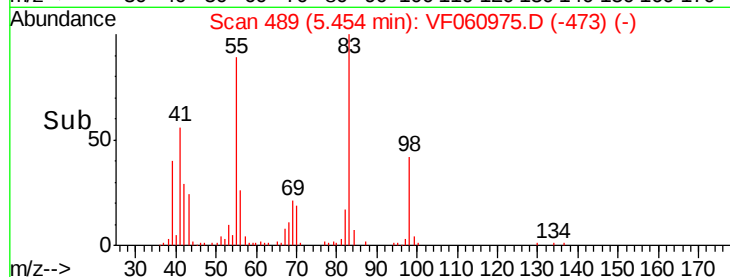
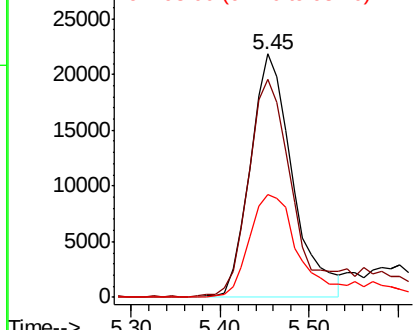
#39
Methvlcvclohexane
Concen: 20.495 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion: 83 Resp: 71746
Ion Ratio Lower Upper
83 100
55 89.4 72.1 108.1
98 42.2 39.1 58.7

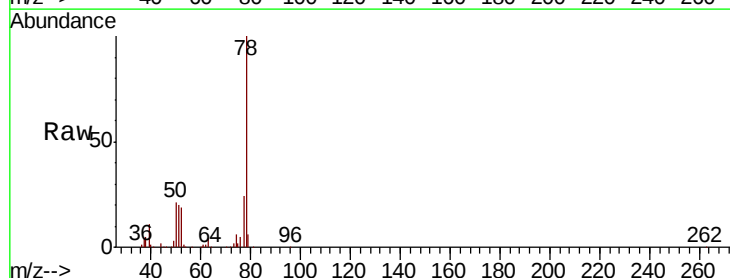


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

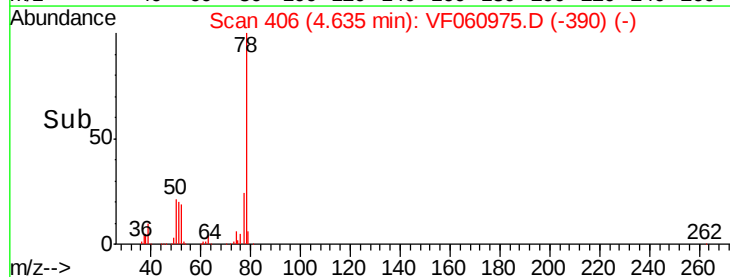
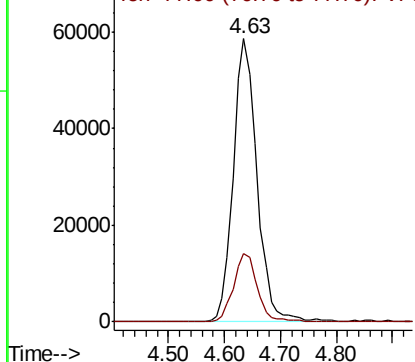


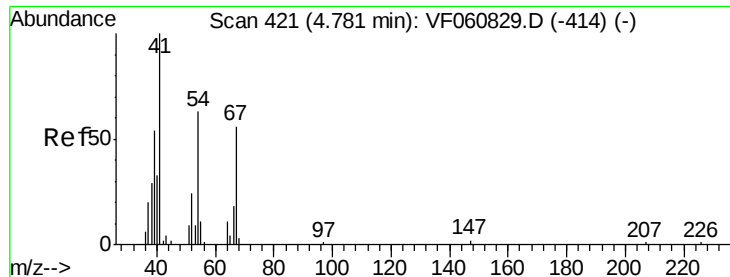
#40
Benzene
Concen: 23.339 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 78 Resp: 172232
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1



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

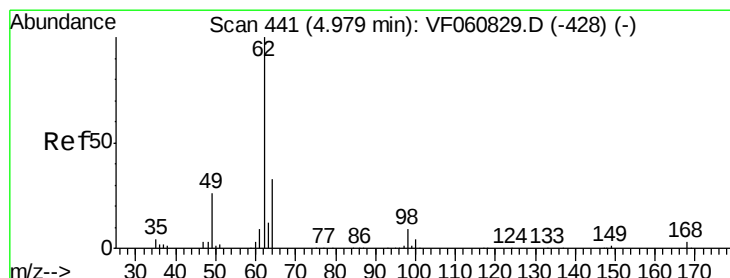
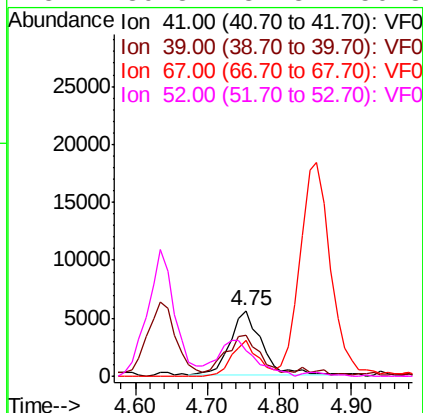
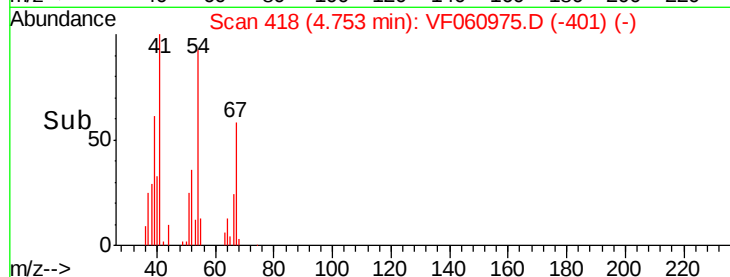
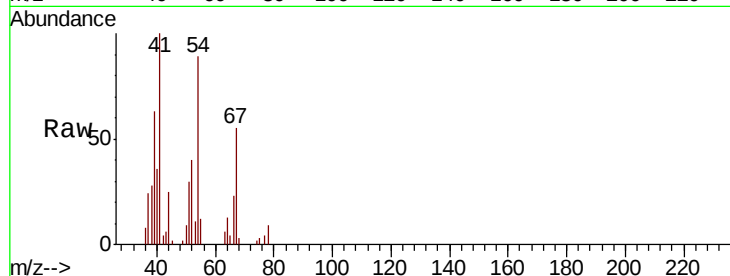




#41
Methacrylonitrile
Concen: 21.892 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

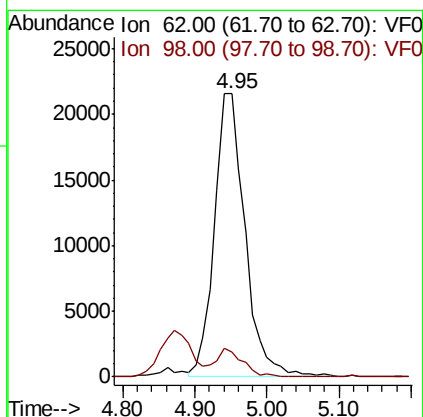
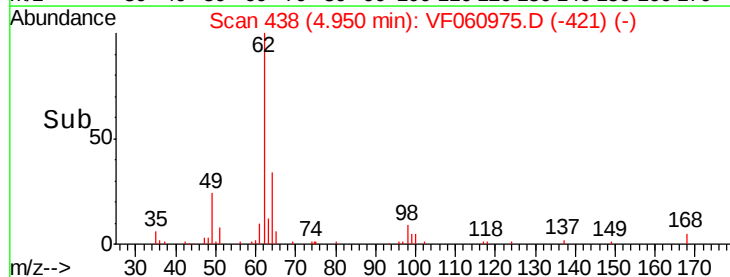
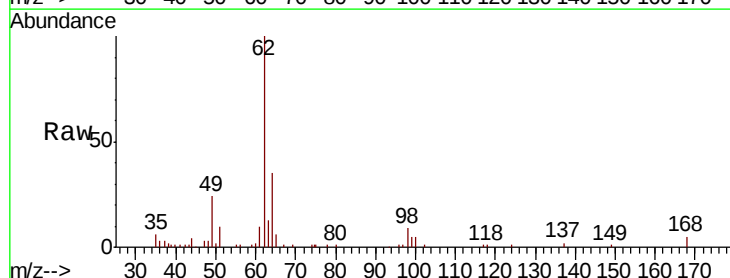
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

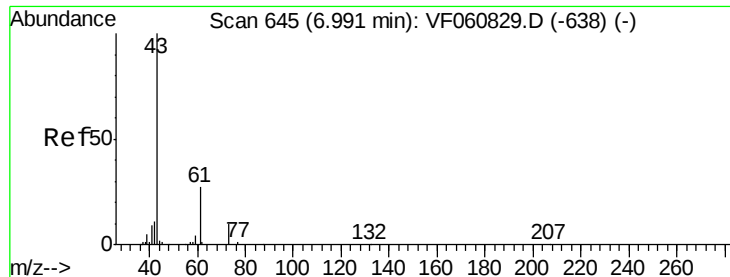
Tot Ion:	41	Resp:	16919
Ion	Ratio	Lower	Upper
41	100		
39	63.4	53.0	79.6
67	54.8	43.8	65.6
52	39.8	37.8	56.8



#42
1,2-Dichloroethane
Concen: 23.526 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion:	62	Resp:	63382
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2



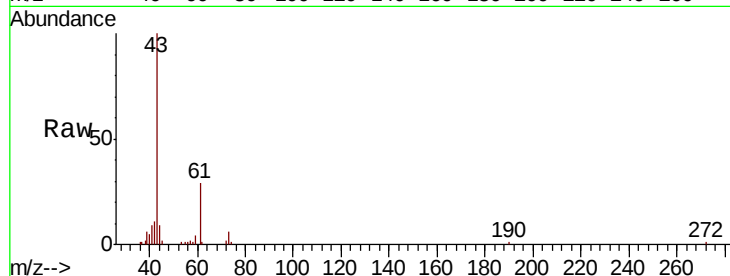


#43

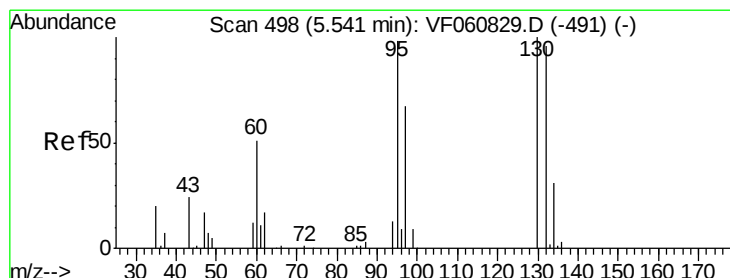
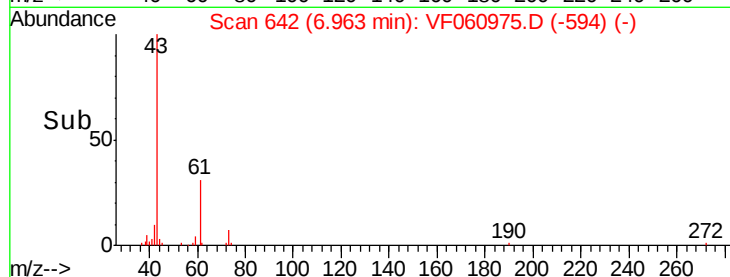
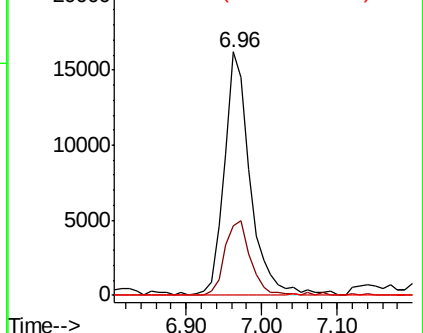
Isopropyl Acetate
 Concen: 21.476 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion: 43 Resp: 38568
 Ion Ratio Lower Upper
 43 100
 61 28.6 21.4 32.0
 87 0.0 0.2 0.4#



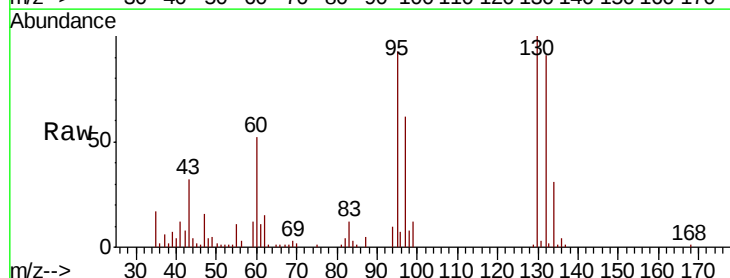
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



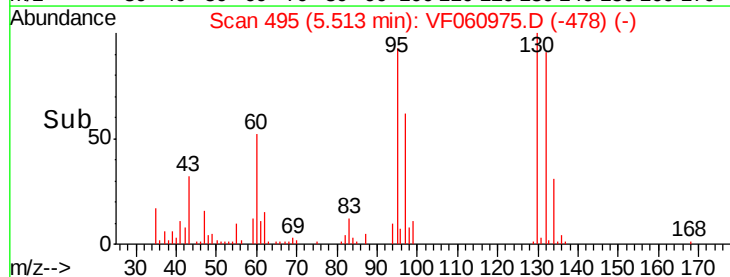
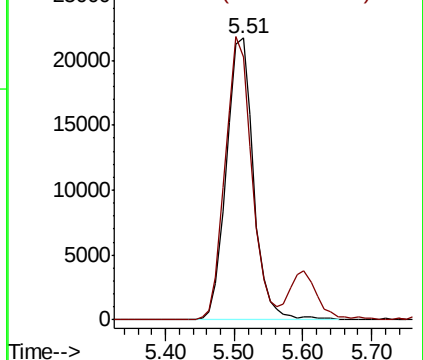
#44

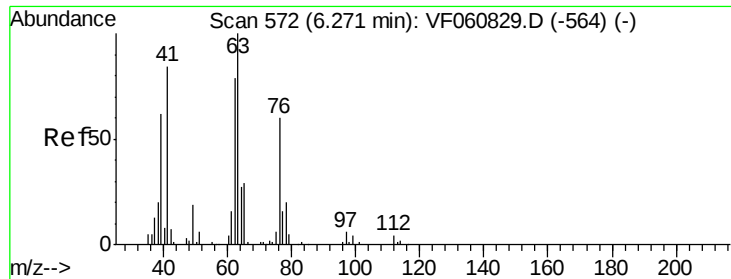
Trichloroethene
 Concen: 24.621 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion: 130 Resp: 59409
 Ion Ratio Lower Upper
 130 100
 95 93.2 0.0 195.6



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





#45

1,2-Dichloropropane

Concen: 24.478 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

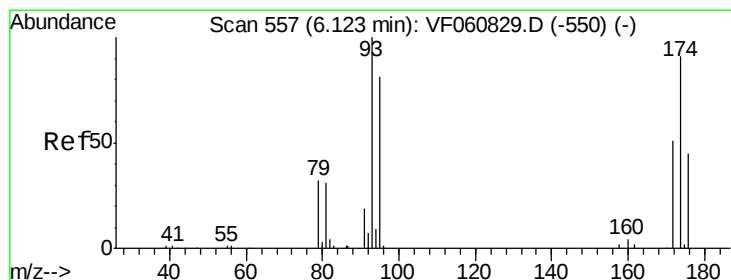
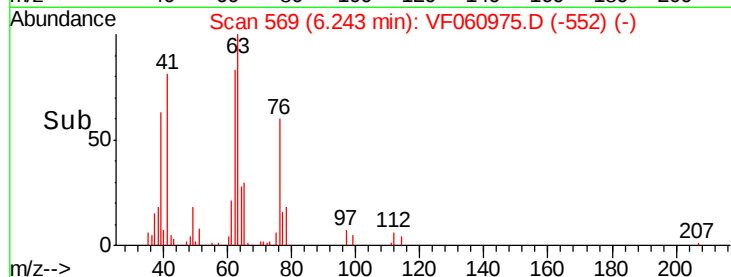
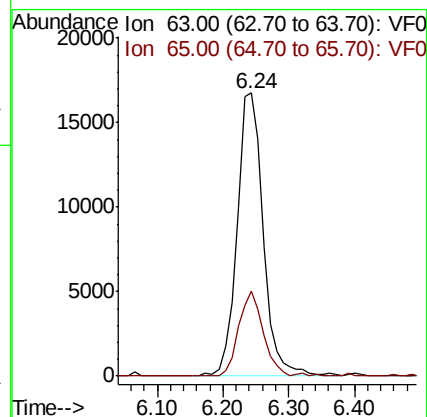
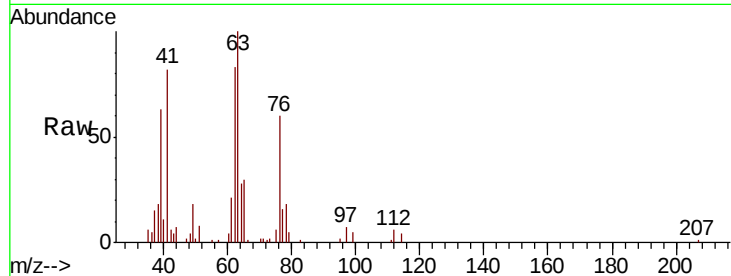
VF1211SBS01

Tot Ion: 63 Resp: 46915

Ion Ratio Lower Upper

63 100

65 30.1 23.2 34.8



#46

Dibromomethane

Concen: 23.367 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

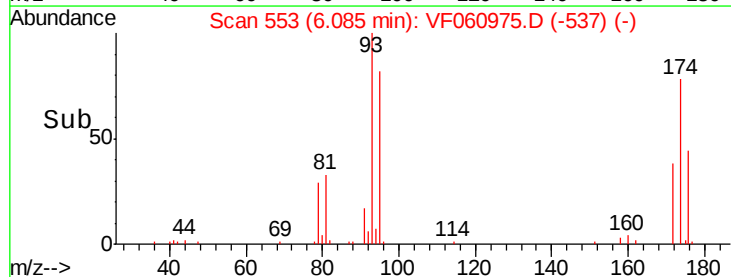
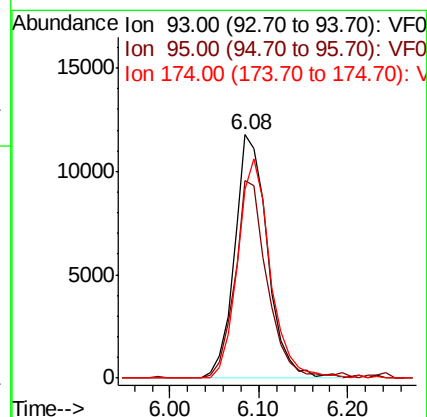
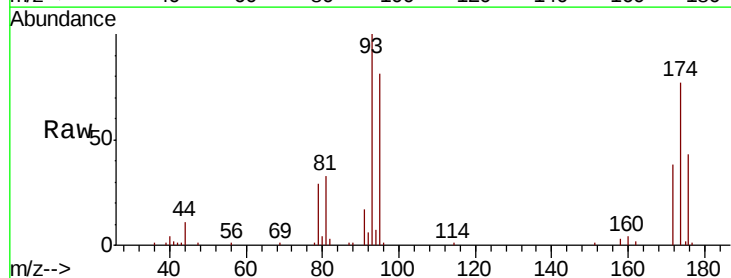
Tgt Ion: 93 Resp: 30381

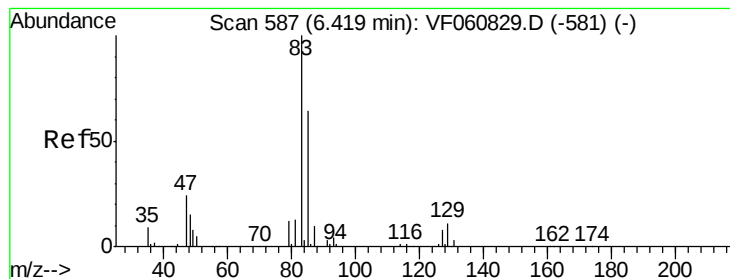
Ion Ratio Lower Upper

93 100

95 80.9 64.7 97.1

174 77.4 73.0 109.6





#47

Bromodichloromethane

Concen: 22.060 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

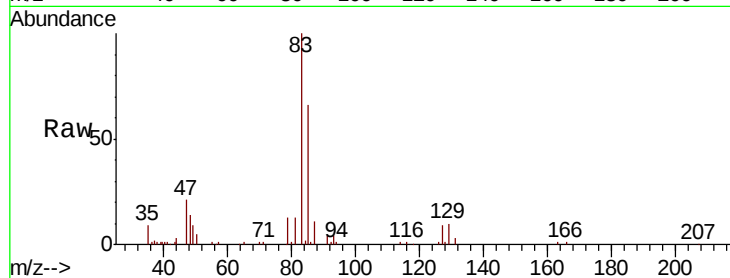
Tot Ion: 83 Resp: 76178

Ion Ratio Lower Upper

83 100

85 66.1 51.1 76.7

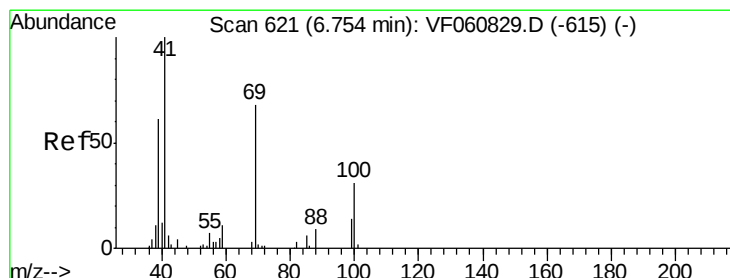
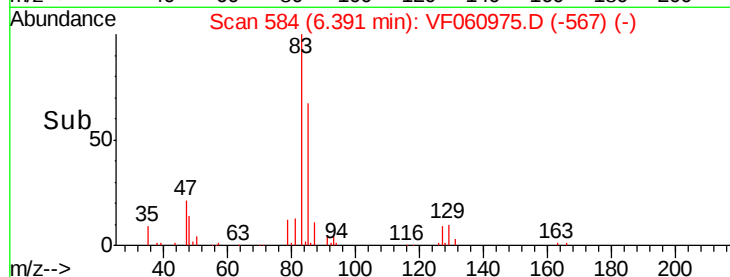
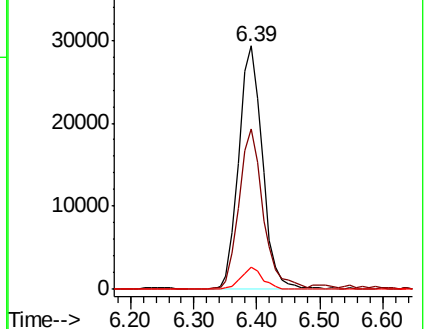
127 8.9 6.8 10.2



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: 22.219 ug/l

RT: 6.73 min Scan# 618

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

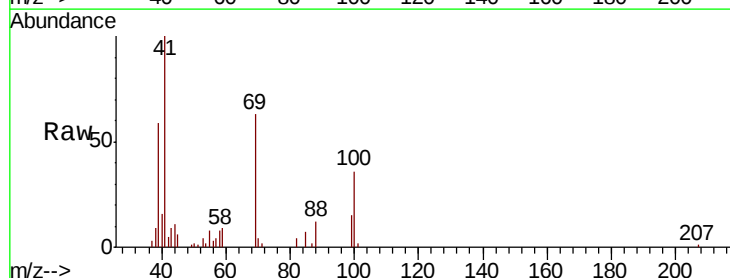
Tgt Ion: 41 Resp: 27301

Ion Ratio Lower Upper

41 100

69 63.1 53.9 80.9

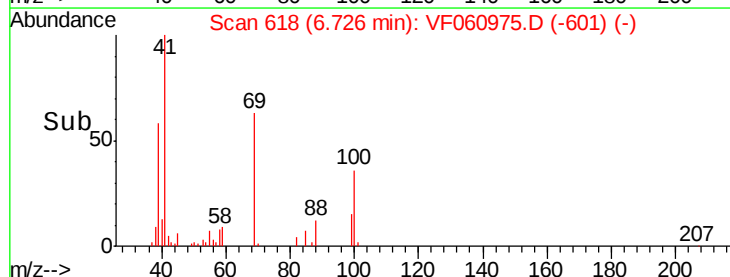
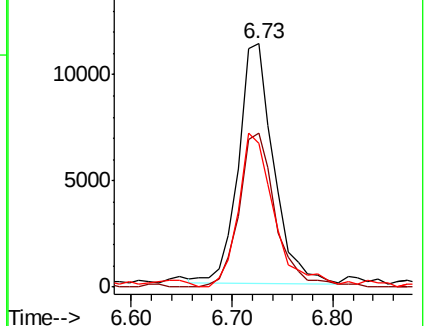
39 59.1 49.0 73.6

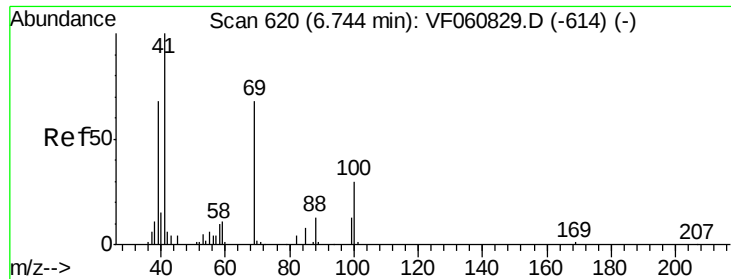


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

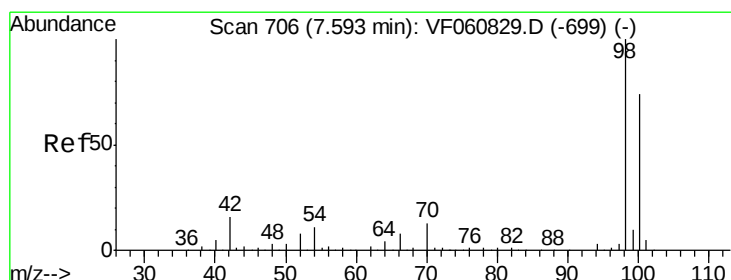
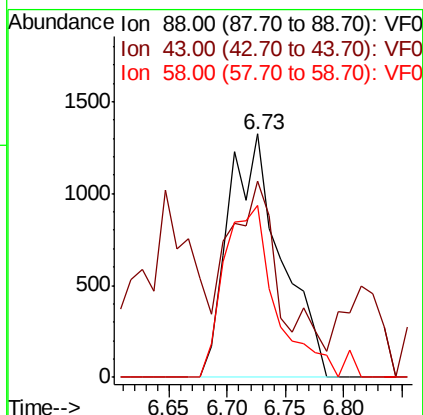
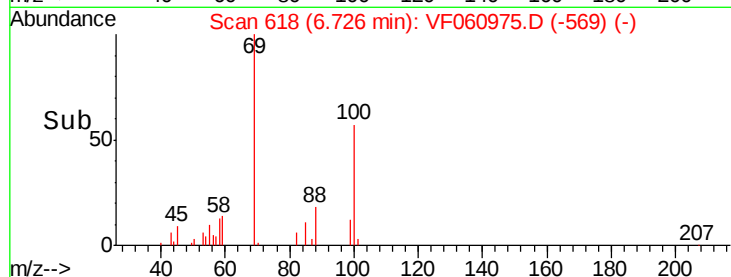
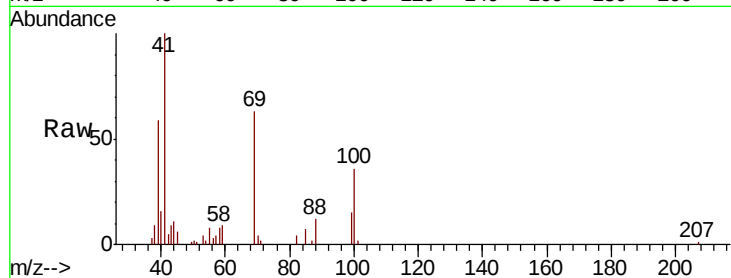




#49
1,4-Dioxane
Concen: 463.375 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

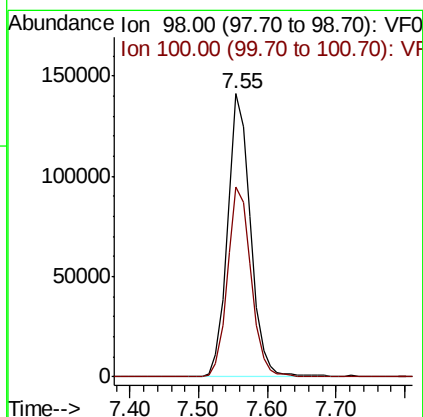
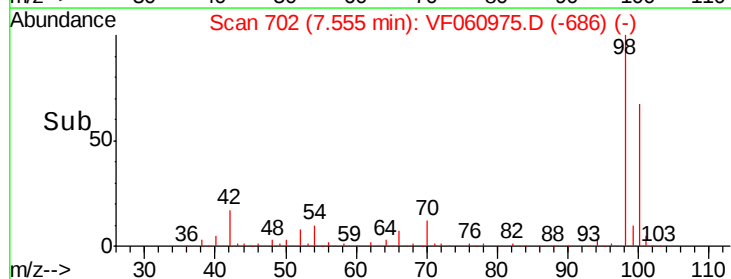
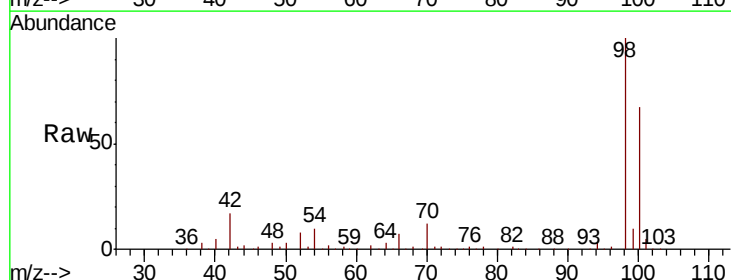
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

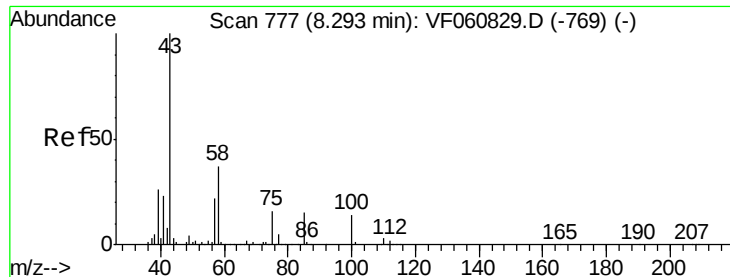
Tot Ion: 88 Resp: 4167
Ion Ratio Lower Upper
88 100
43 80.5 42.0 63.0#
58 70.8 61.8 92.8



#50
Toluene-d8
Concen: 46.318 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 98 Resp: 325981
Ion Ratio Lower Upper
98 100
100 67.3 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 114.446 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

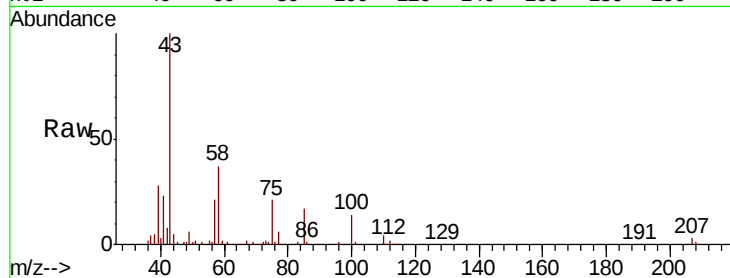
VF1211SBSD01

Tot Ion: 43 Resp: 143262

Ion Ratio Lower Upper

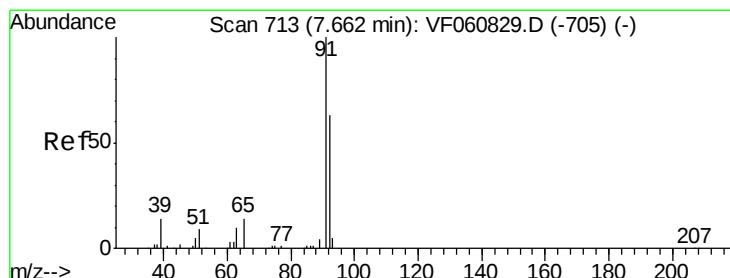
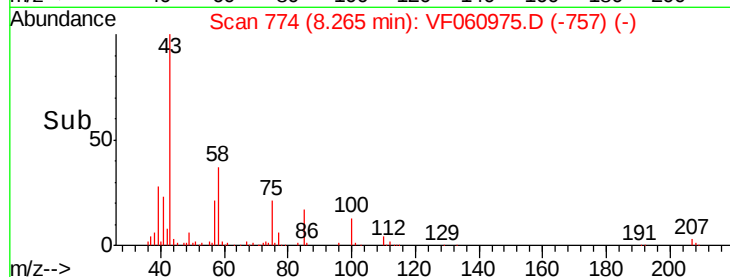
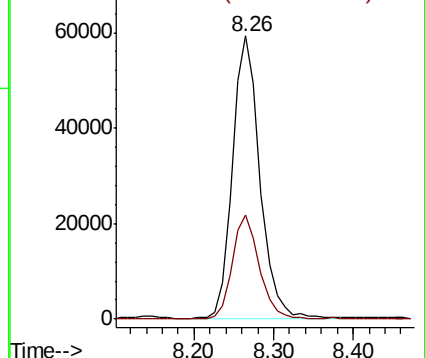
43 100

58 36.6 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.889 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060975.D

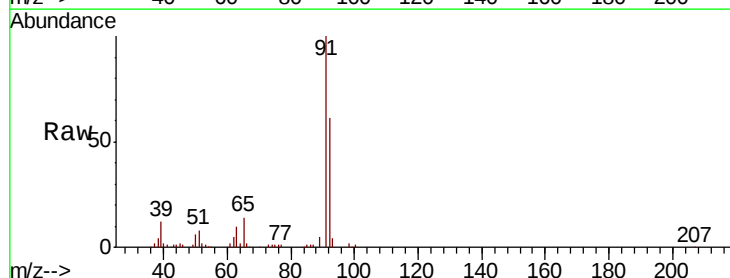
Acq: 11 Dec 2018 14:36

Tgt Ion: 92 Resp: 113463

Ion Ratio Lower Upper

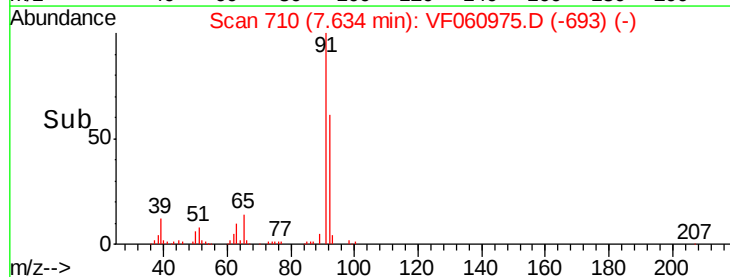
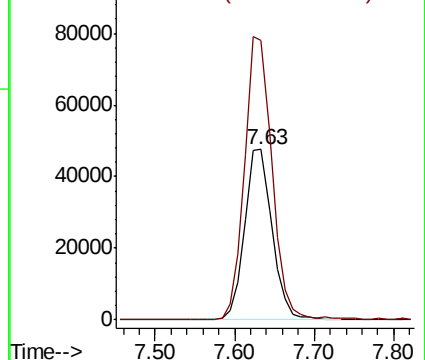
92 100

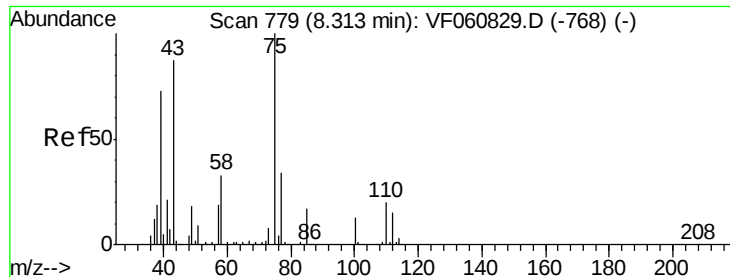
91 163.6 126.2 189.2



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: 22.570 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

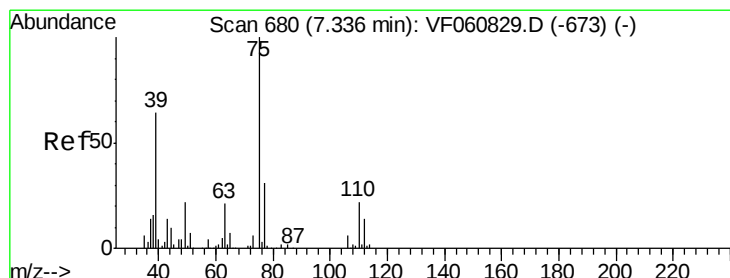
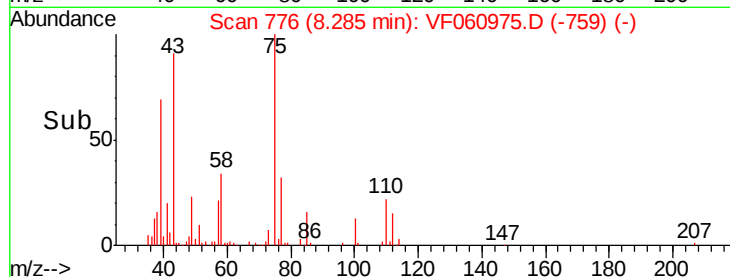
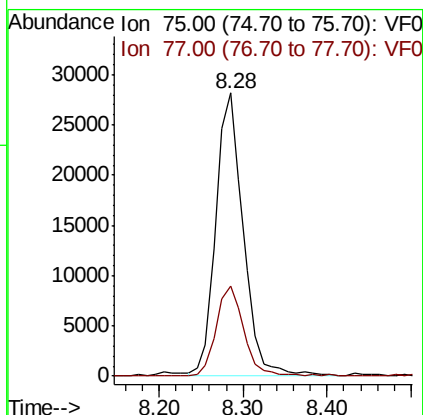
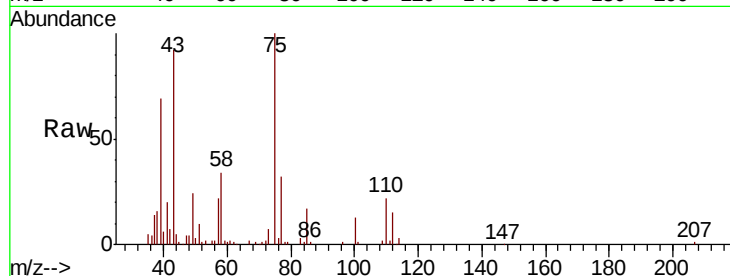
VF1211SBSD01

Tot Ion: 75 Resp: 63397

Ion Ratio Lower Upper

75 100

77 31.9 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 22.884 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

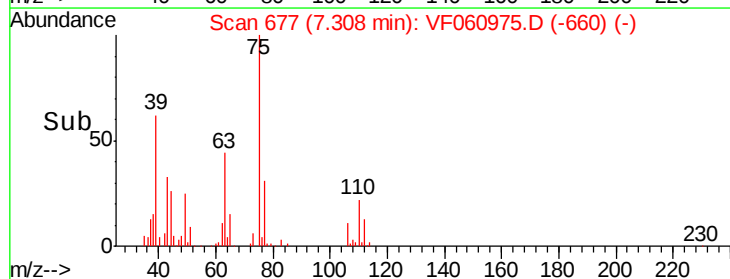
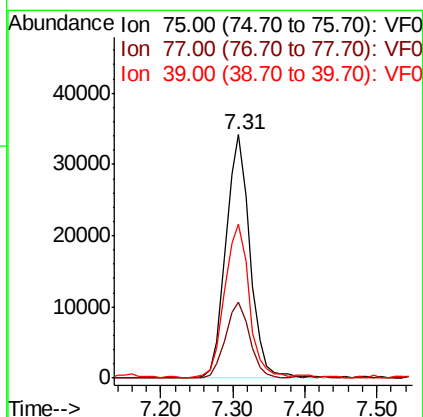
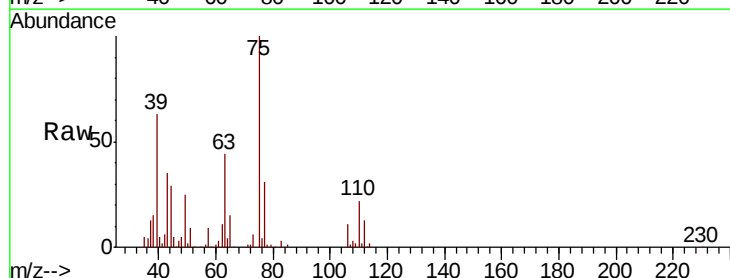
Tgt Ion: 75 Resp: 79575

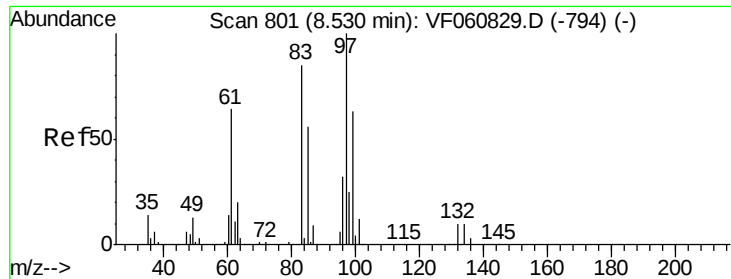
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 63.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 22.041 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion: 97 Resp: 33291

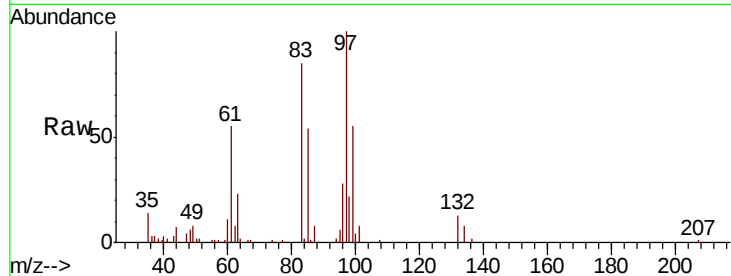
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.6
85	54.5	45.0	67.6
99	55.1	50.5	75.7

97 100

83 84.9 67.8 101.6

85 54.5 45.0 67.6

99 55.1 50.5 75.7



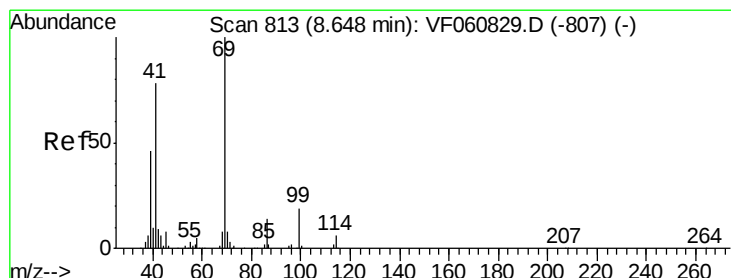
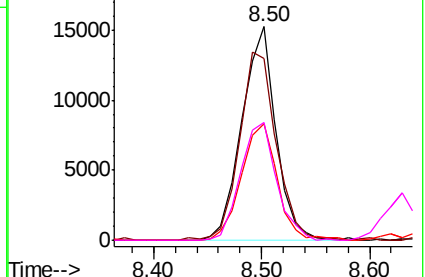
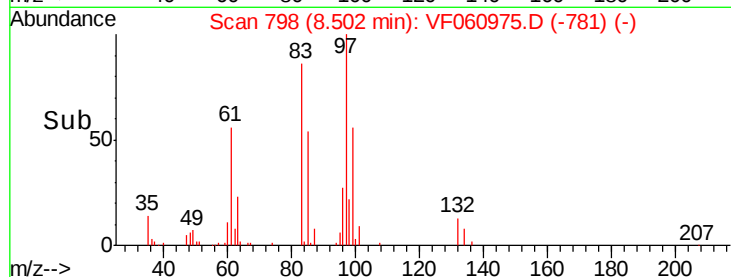
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 23.427 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

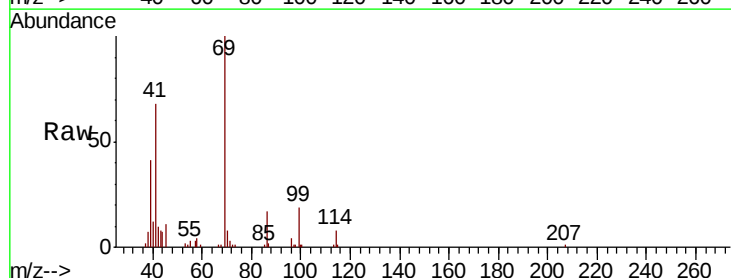
Tgt Ion: 69 Resp: 39308

Ion	Ratio	Lower	Upper
69	100		
41	68.3	62.6	94.0
39	40.9	37.8	56.6

69 100

41 68.3 62.6 94.0

39 40.9 37.8 56.6

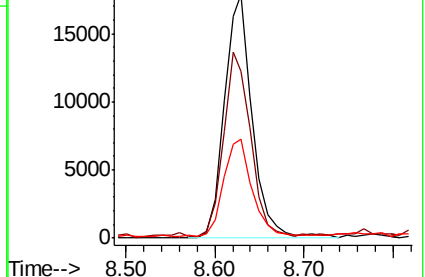
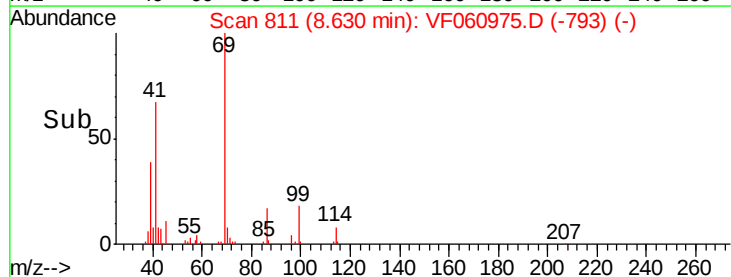


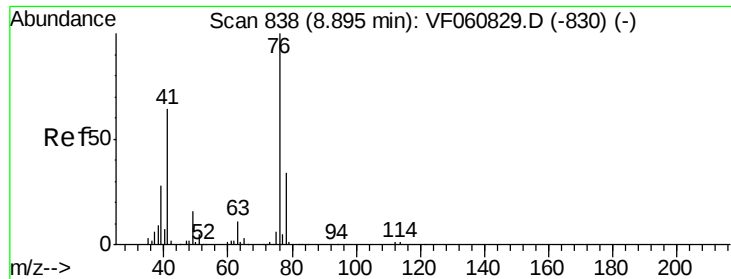
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 24.126 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

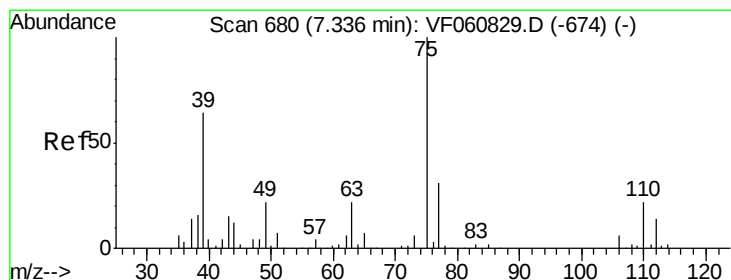
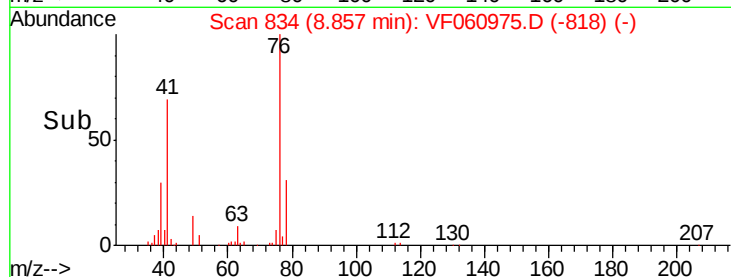
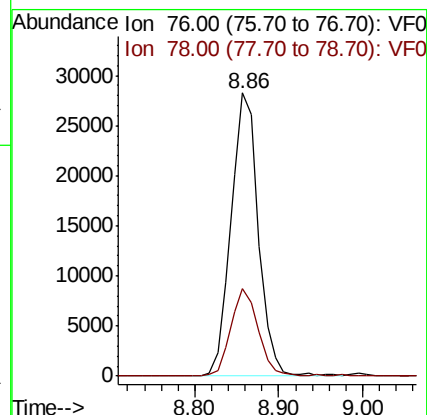
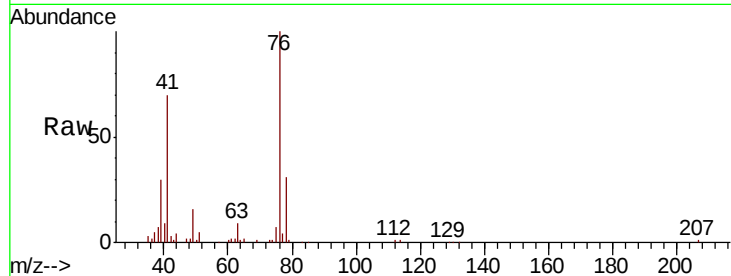
VF1211SBSD01

Tot Ion: 76 Resp: 63754

Ion Ratio Lower Upper

76 100

78 30.7 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 216.724 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060975.D

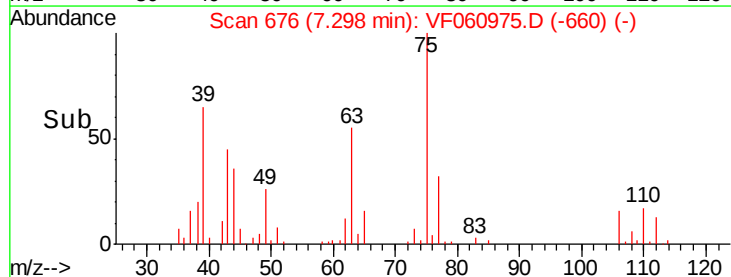
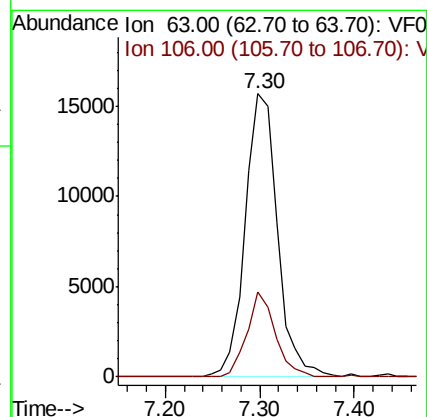
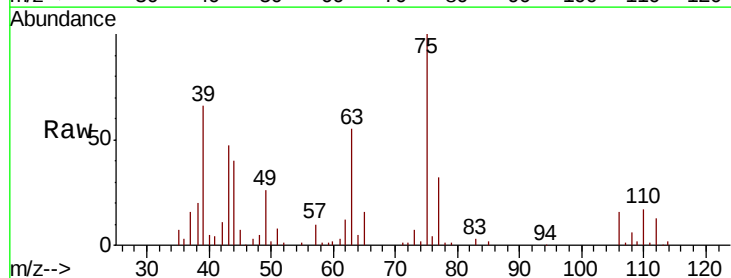
Acq: 11 Dec 2018 14:36

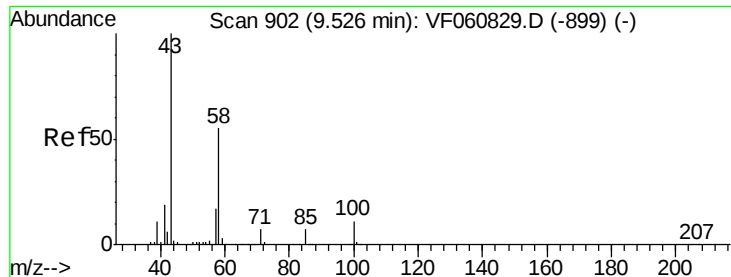
Tgt Ion: 63 Resp: 37195

Ion Ratio Lower Upper

63 100

106 30.0 23.0 34.6

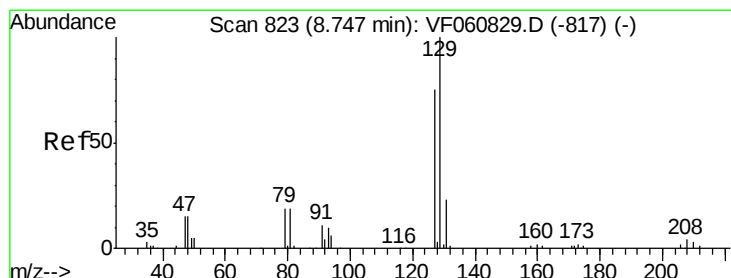
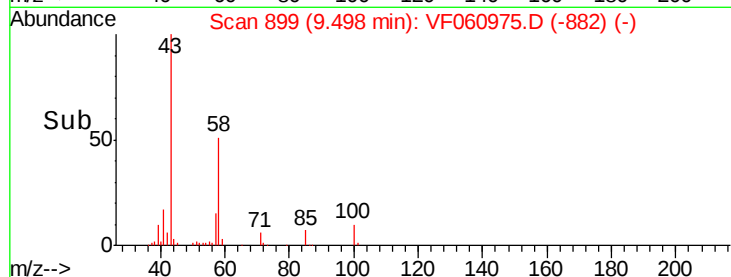
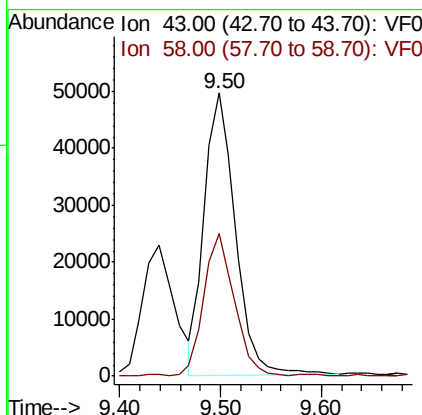
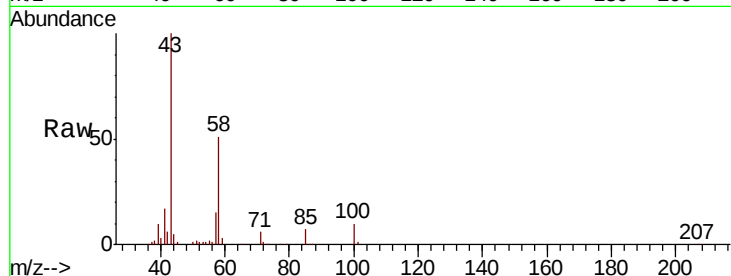




#59
2-Hexanone
Concen: 121.392 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

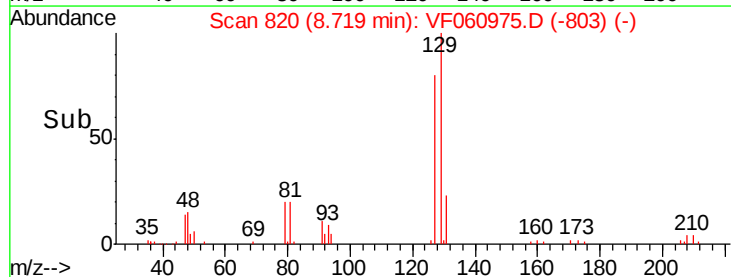
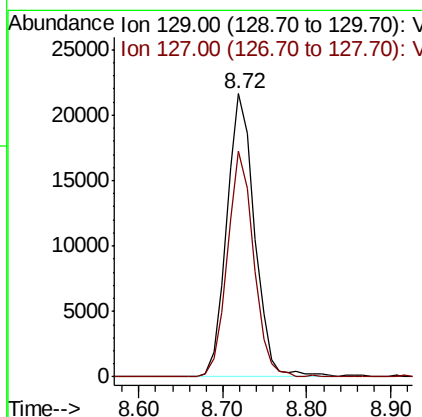
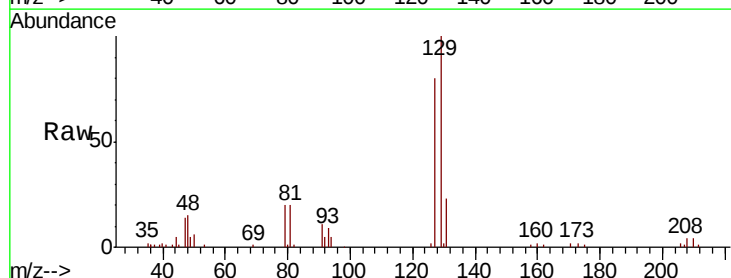
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

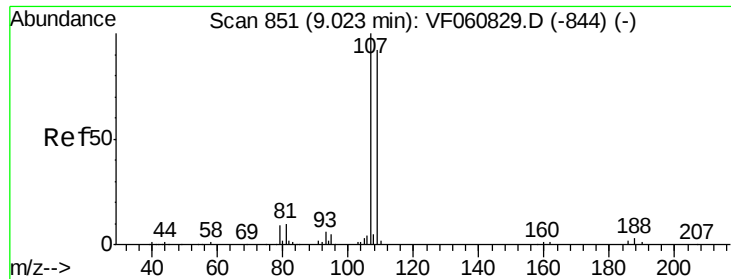
Tot Ion: 43 Resp: 106607
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.6



#60
Dibromochloromethane
Concen: 22.109 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 129 Resp: 49757
Ion Ratio Lower Upper
129 100
127 79.7 37.3 111.9

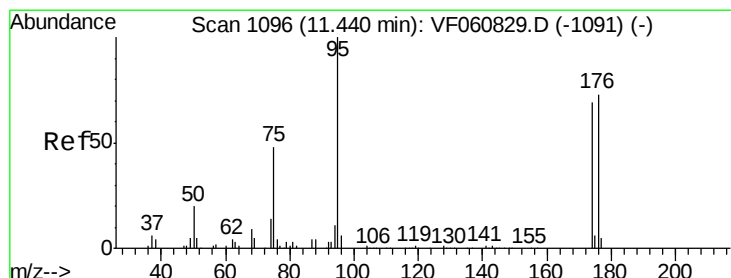
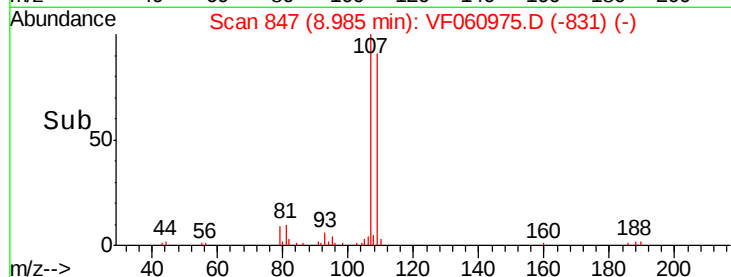
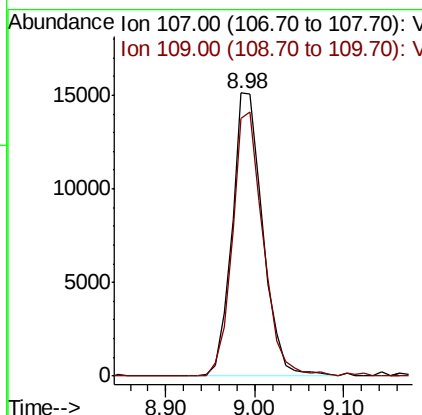
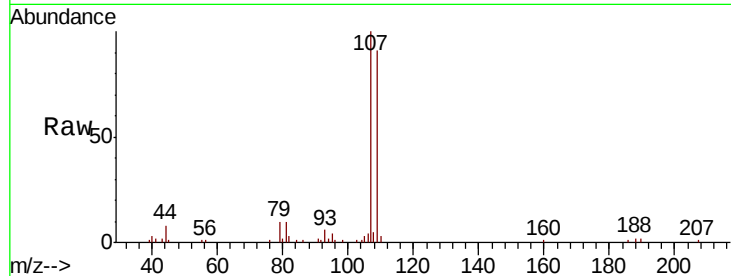




#61
 1,2-Dibromoethane
 Concen: 22.417 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

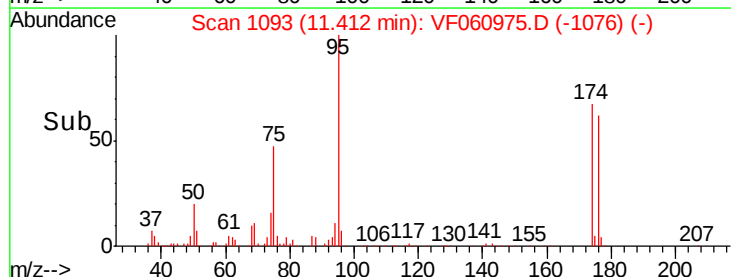
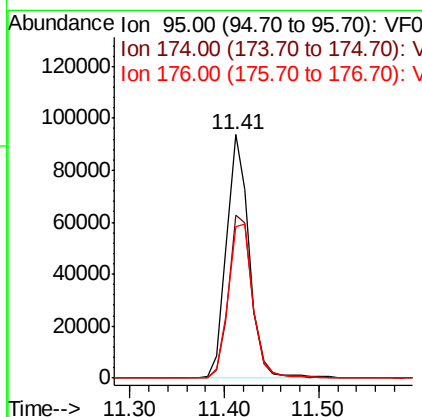
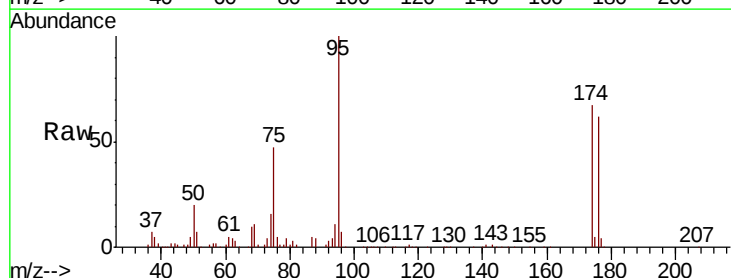
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

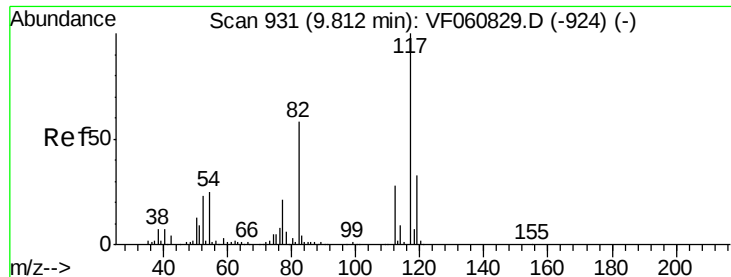
Tot Ion:107 Resp: 36577
 Ion Ratio Lower Upper
 107 100
 109 91.3 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 48.574 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion: 95 Resp: 155370
 Ion Ratio Lower Upper
 95 100
 174 66.8 0.0 138.2
 176 62.0 0.0 146.2

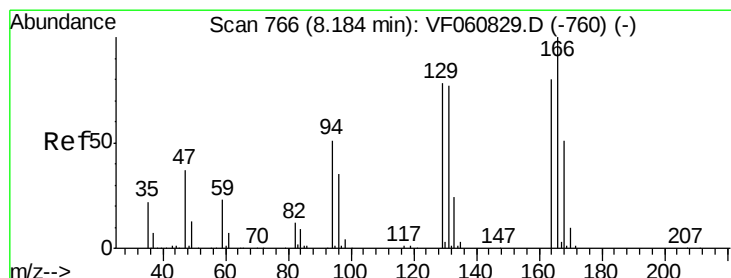
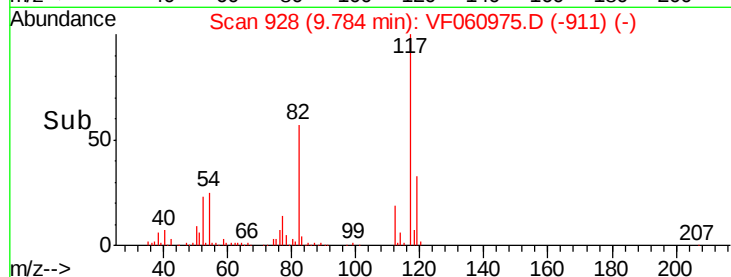
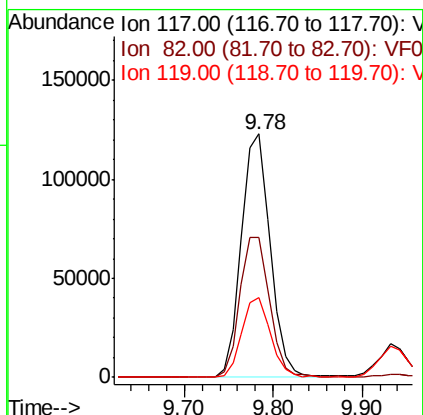
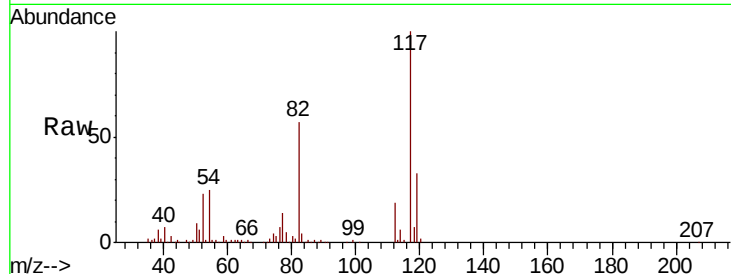




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

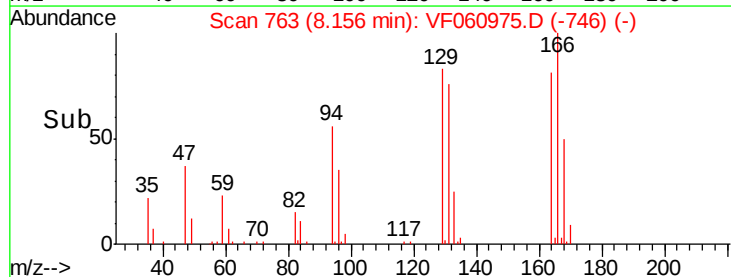
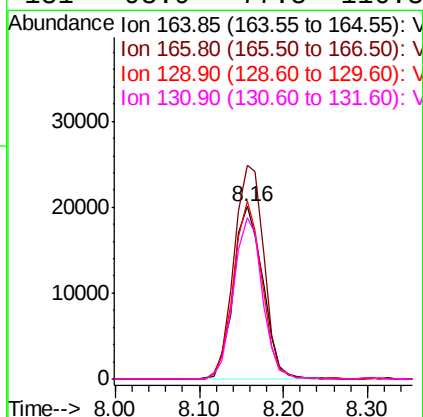
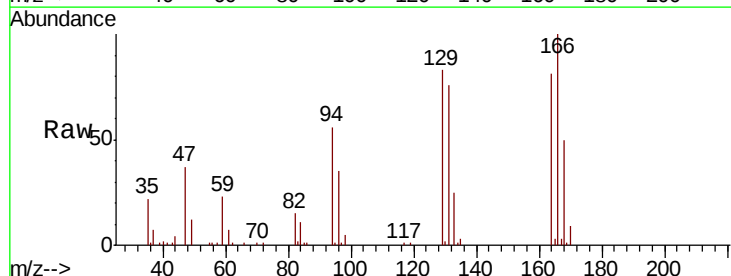
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion:117 Resp: 277789
Ion Ratio Lower Upper
117 100
82 57.4 46.6 69.8
119 33.0 26.4 39.6



#64
Tetrachloroethene
Concen: 23.157 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion:164 Resp: 49134
Ion Ratio Lower Upper
164 100
166 124.0 100.3 150.5
129 103.5 77.9 116.9
131 93.9 77.5 116.3





#65

Chlorobenzene

Concen: 23.059 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

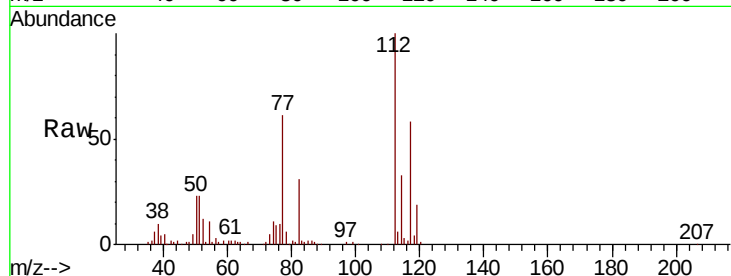
VF1211SBSD01

Tot Ion:112 Resp: 124611

Ion Ratio Lower Upper

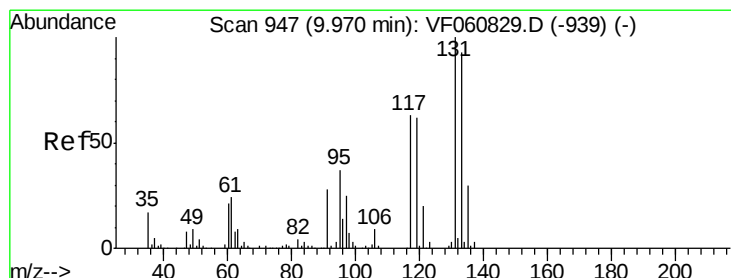
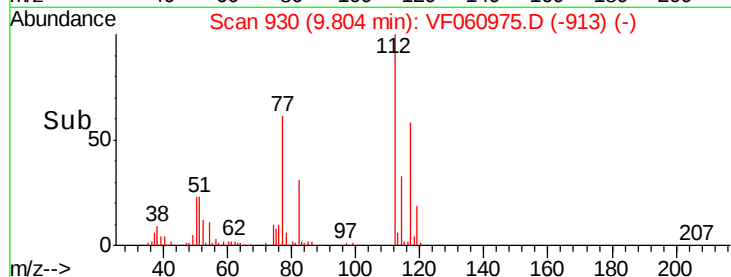
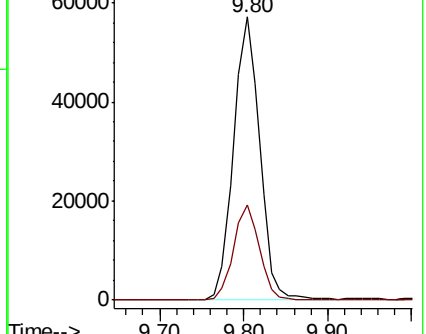
112 100

114 33.4 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.358 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

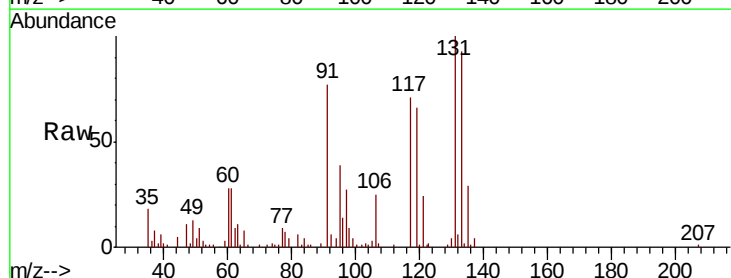
Tgt Ion:131 Resp: 54266

Ion Ratio Lower Upper

131 100

133 93.2 46.5 139.3

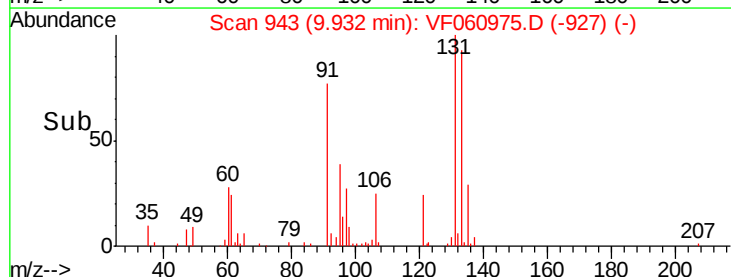
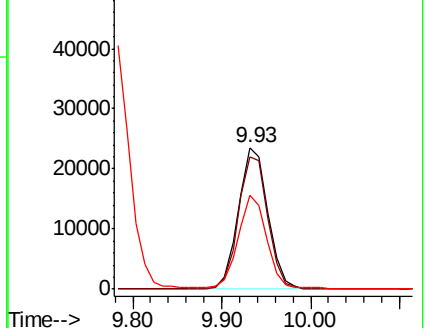
119 65.9 31.1 93.3

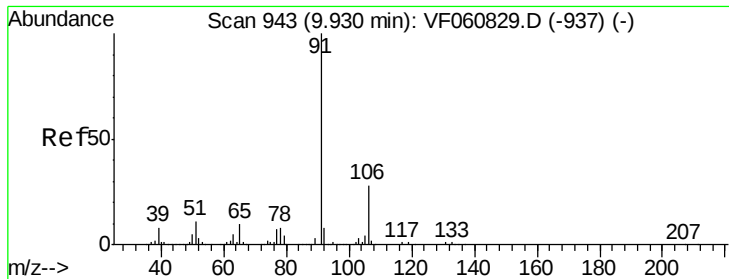


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 23.542 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

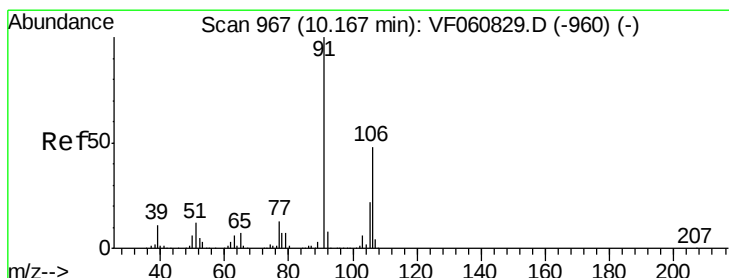
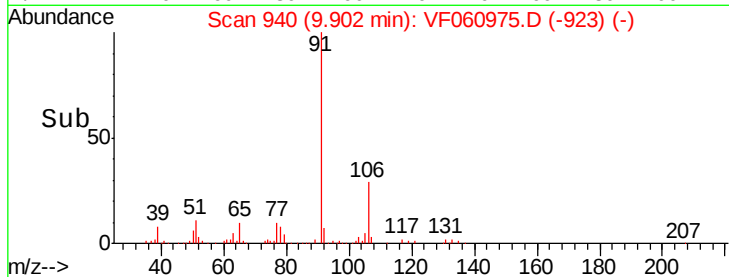
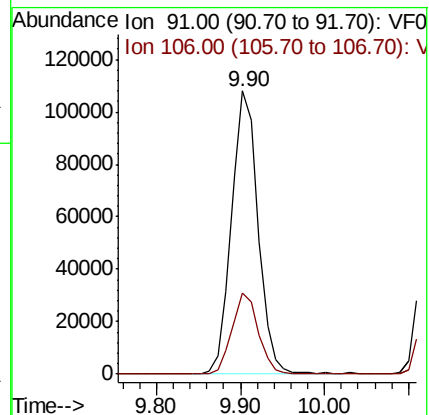
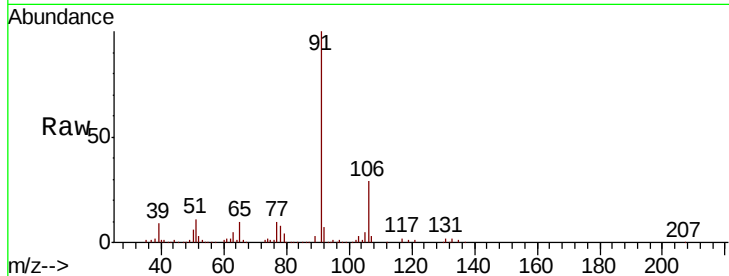
VF1211SBSD01

Tot Ion: 91 Resp: 236846

Ion Ratio Lower Upper

91 100

106 28.6 22.2 33.2



#68

m/p-Xylenes

Concen: 45.745 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060975.D

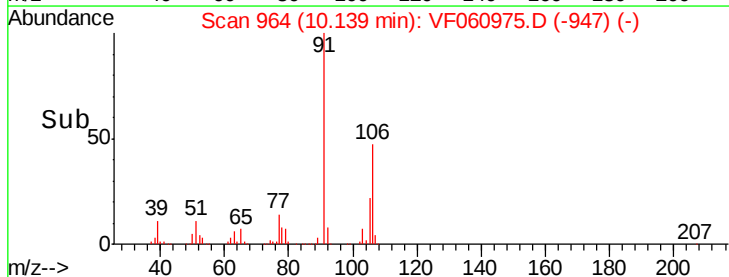
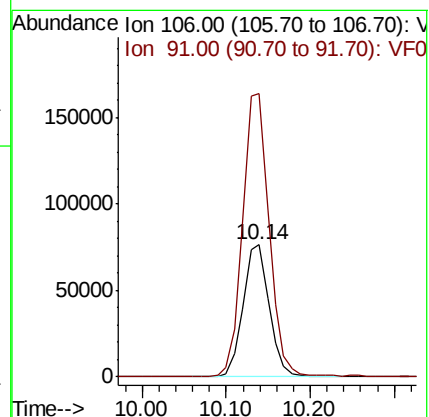
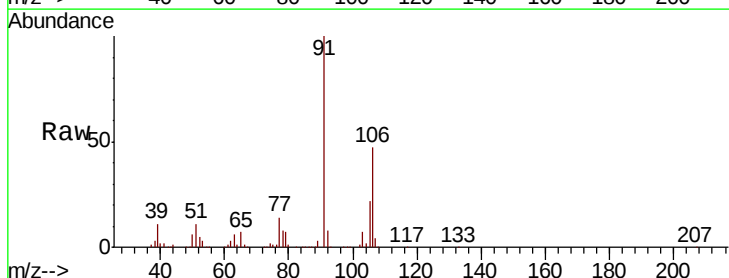
Acq: 11 Dec 2018 14:36

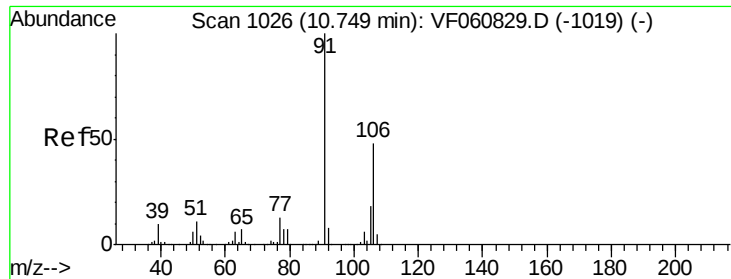
Tgt Ion: 106 Resp: 165525

Ion Ratio Lower Upper

106 100

91 214.6 166.7 250.1

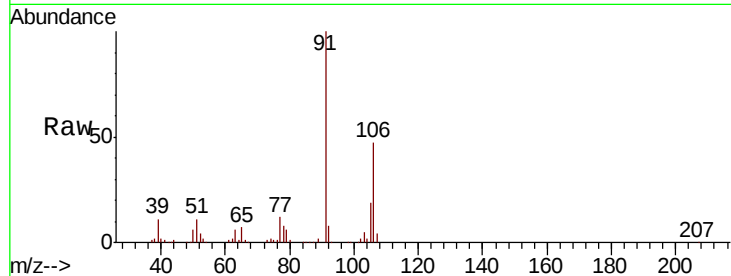




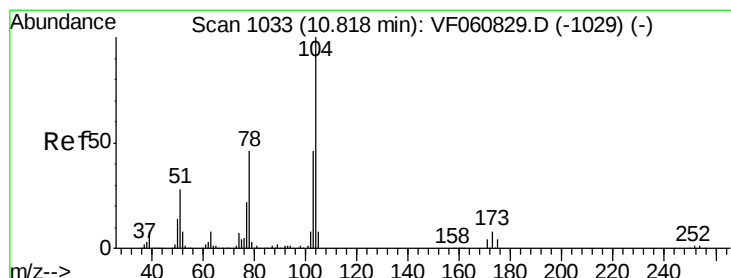
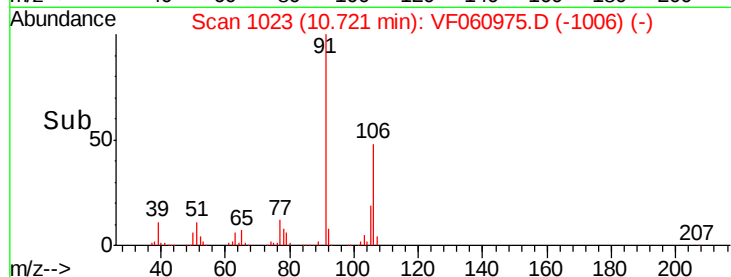
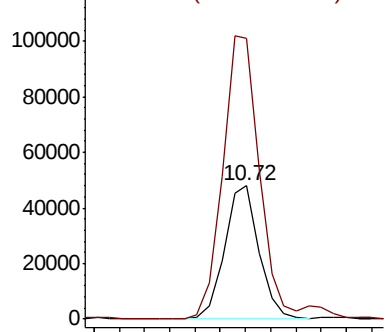
#69
o-Xylene
Concen: 22.844 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion:106 Resp: 91150
Ion Ratio Lower Upper
106 100
91 210.7 104.8 314.6

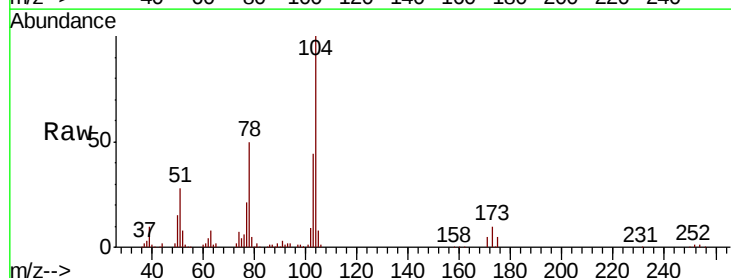


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

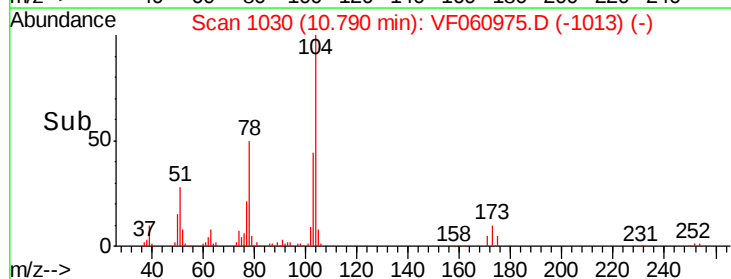
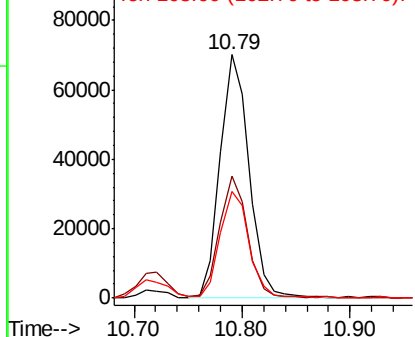


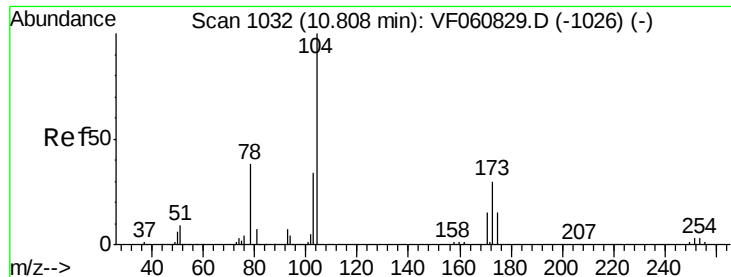
#70
Styrene
Concen: 23.584 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion:104 Resp: 130448
Ion Ratio Lower Upper
104 100
78 49.9 37.3 55.9
103 43.9 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.917 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

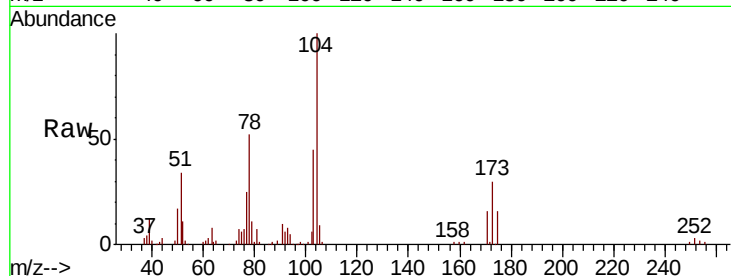
Tot Ion:173 Resp: 24595

Ion Ratio Lower Upper

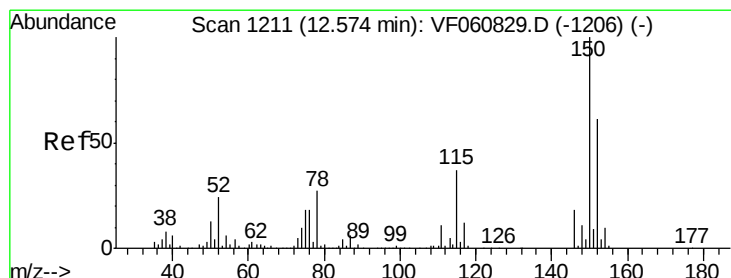
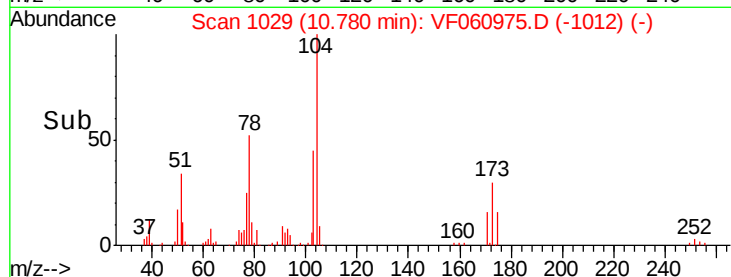
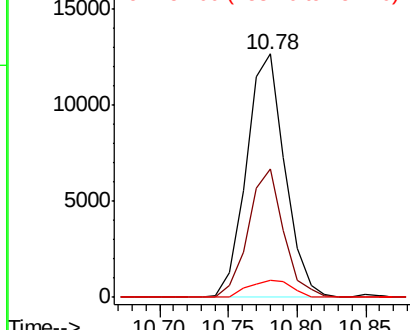
173 100

175 52.8 25.5 76.5

254 7.2 7.5 11.3#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

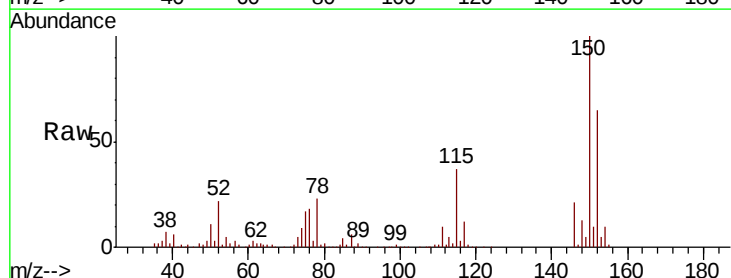
Tgt Ion:152 Resp: 142544

Ion Ratio Lower Upper

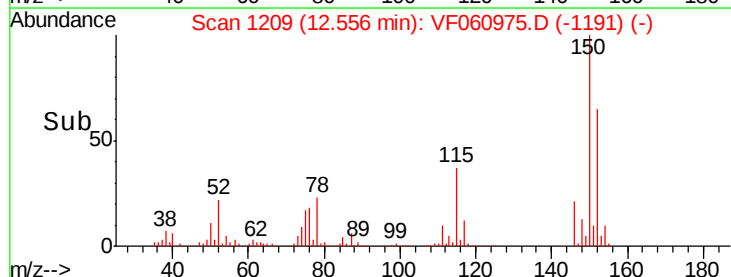
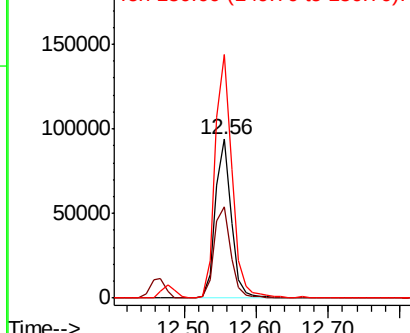
152 100

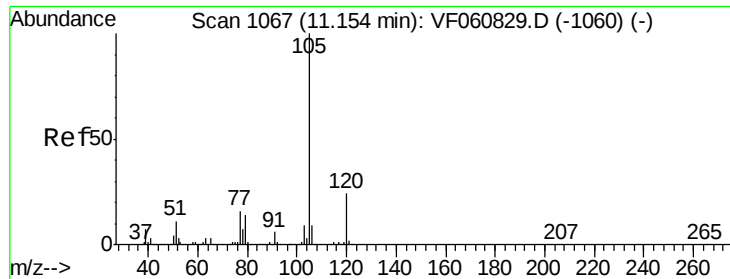
115 57.3 30.1 90.5

150 153.6 0.0 327.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.831 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

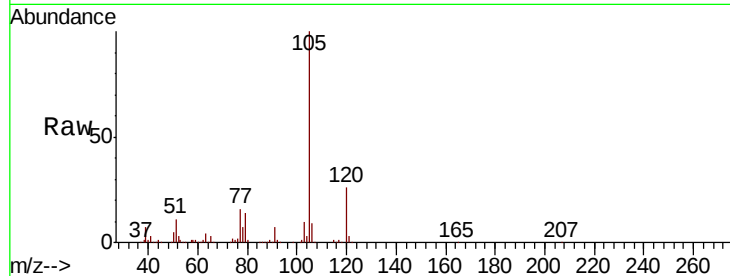
VF1211SBS01

Tot Ion:105 Resp: 268443

Ion Ratio Lower Upper

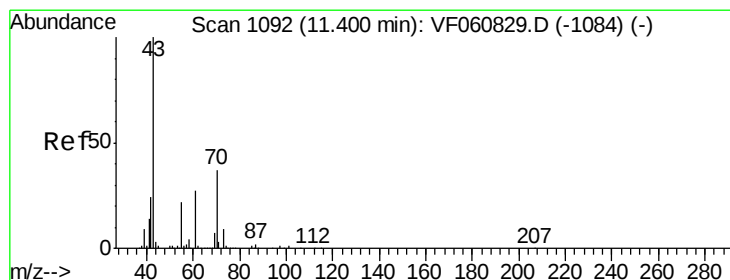
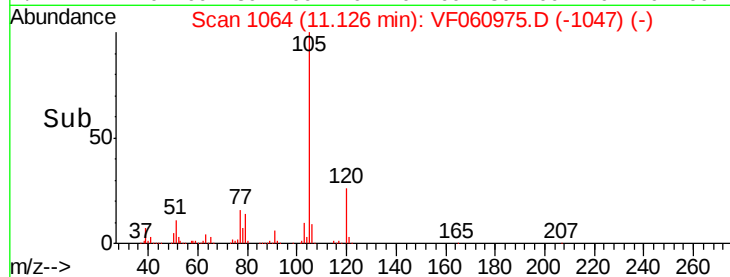
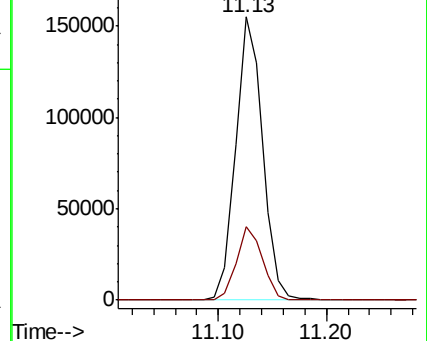
105 100

120 25.8 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.045 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion: 43 Resp: 62546

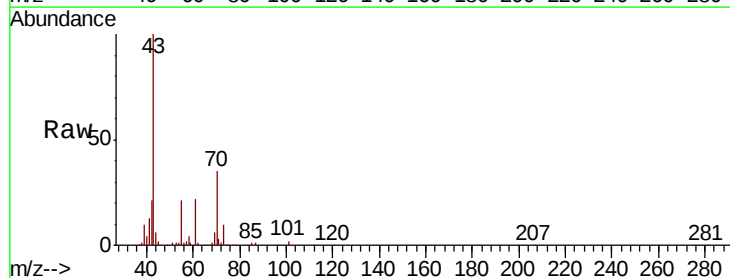
Ion Ratio Lower Upper

43 100

70 35.0 29.6 44.4

55 21.1 17.2 25.8

61 22.0 21.8 32.6

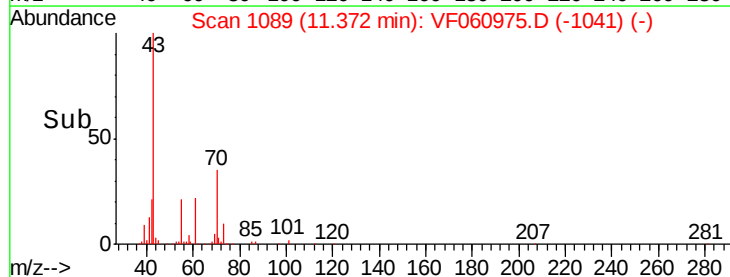
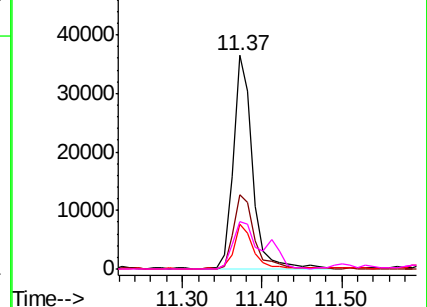


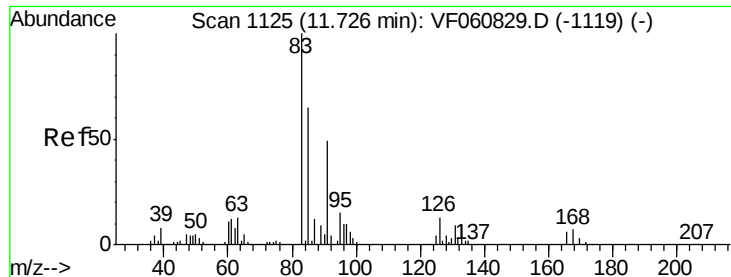
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.943 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

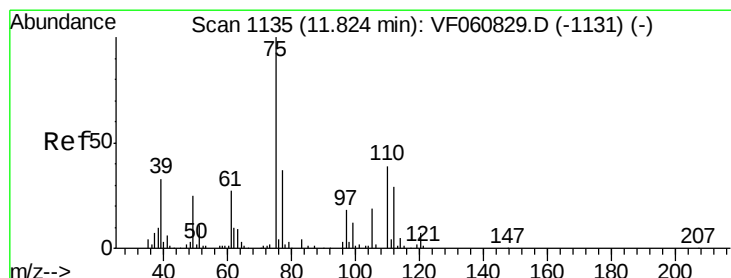
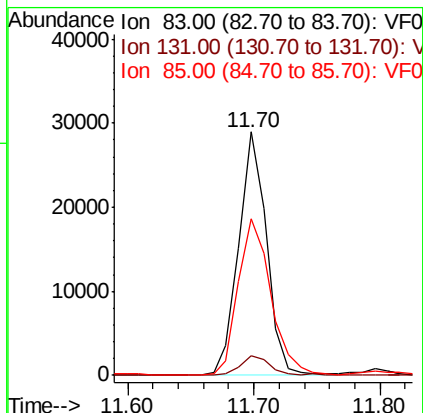
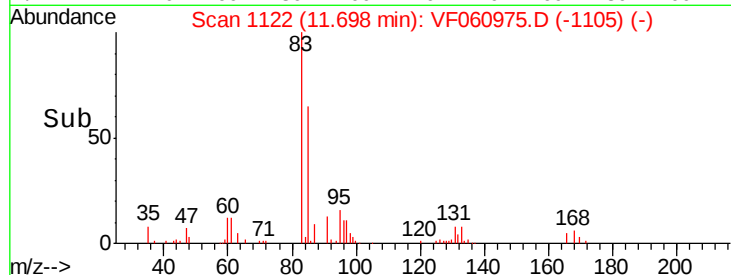
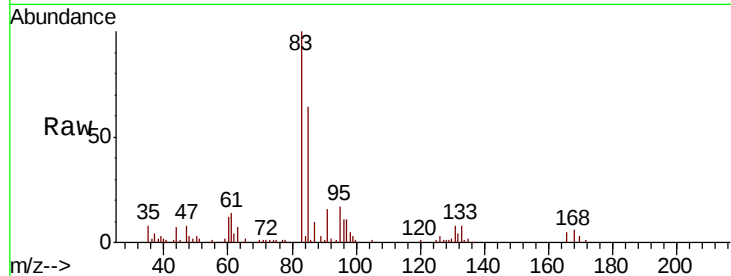
Tot Ion: 83 Resp: 44389

Ion Ratio Lower Upper

83 100

131 8.1 4.7 14.1

85 64.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 25.331 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VF060975.D

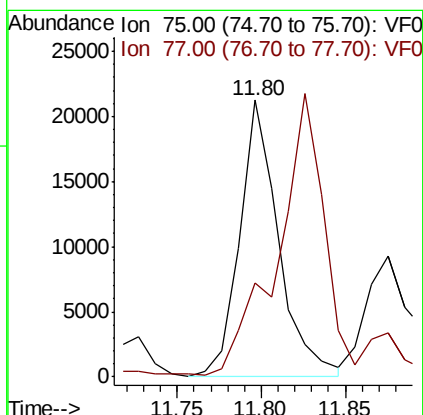
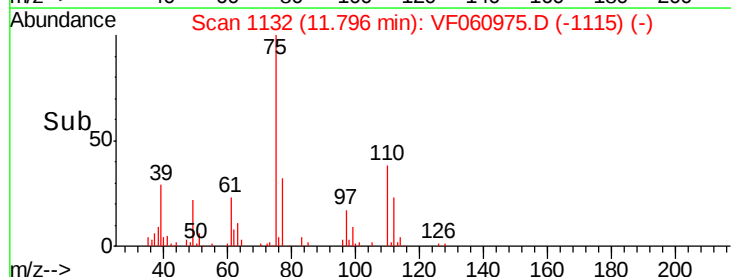
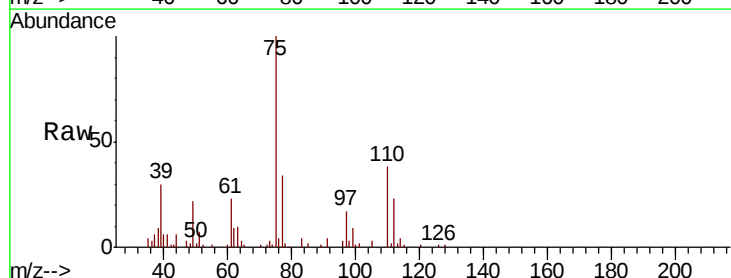
Acq: 11 Dec 2018 14:36

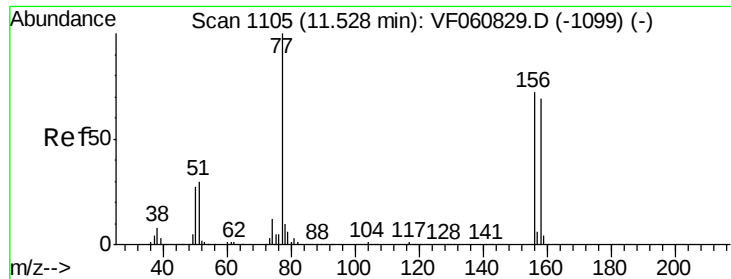
Tgt Ion: 75 Resp: 34135

Ion Ratio Lower Upper

75 100

77 34.1 18.4 55.4





#77

Bromobenzene

Concen: 22.928 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

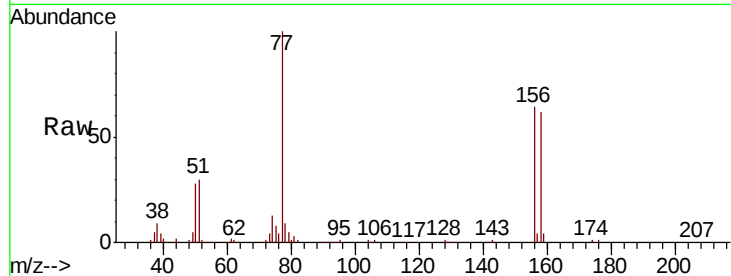
Tot Ion:156 Resp: 56623

Ion Ratio Lower Upper

156 100

77 155.0 69.7 209.0

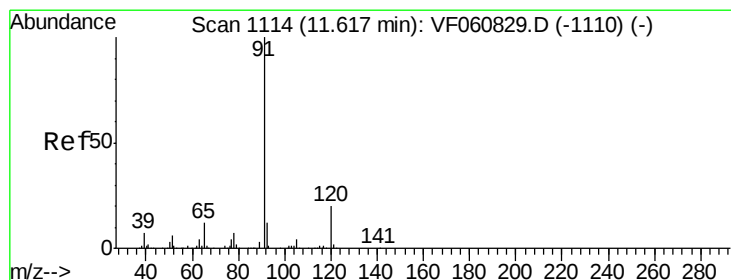
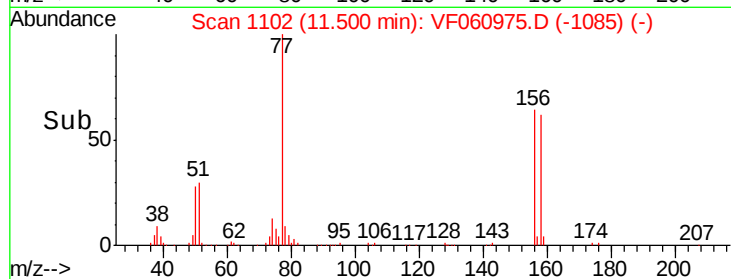
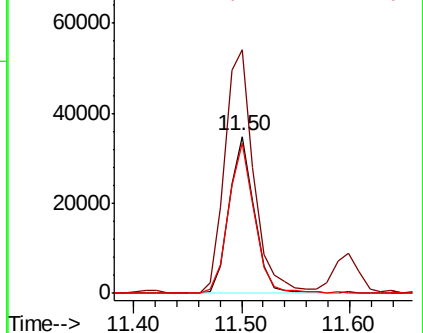
158 96.0 47.8 143.4



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: 25.135 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060975.D

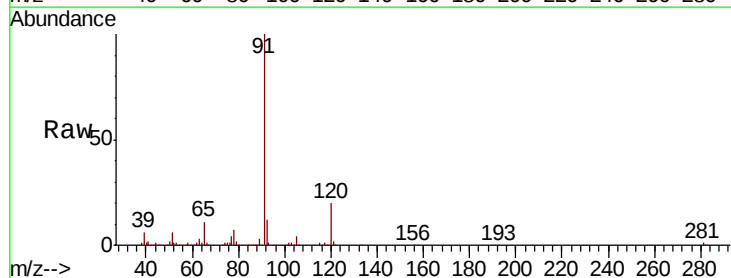
Acq: 11 Dec 2018 14:36

Tgt Ion: 91 Resp: 331575

Ion Ratio Lower Upper

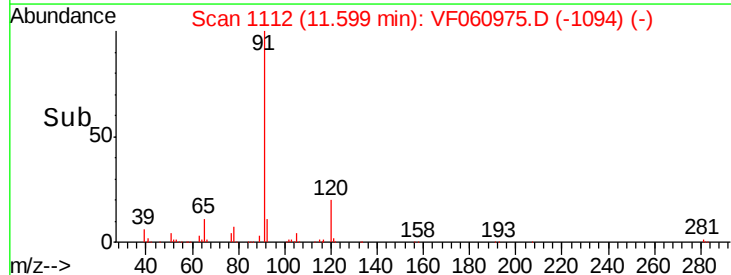
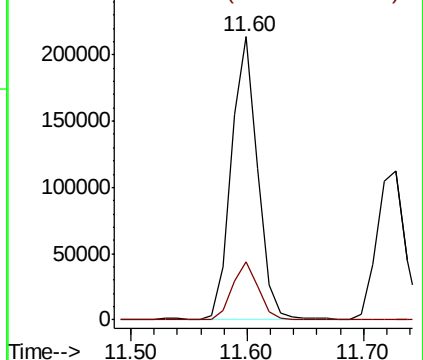
91 100

120 20.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.733 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

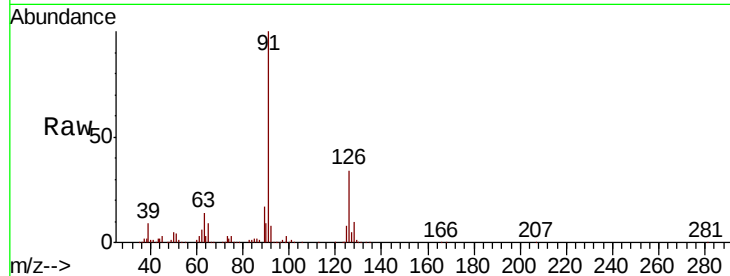
VF1211SBSD01

Tot Ion: 91 Resp: 187080

Ion Ratio Lower Upper

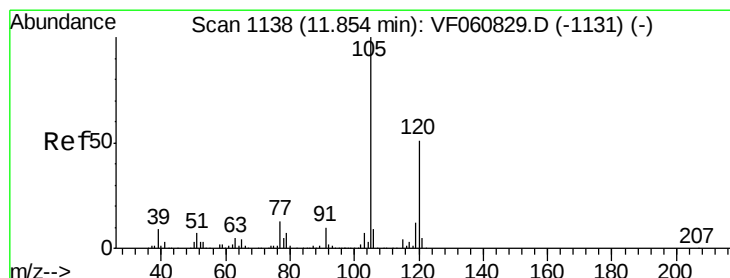
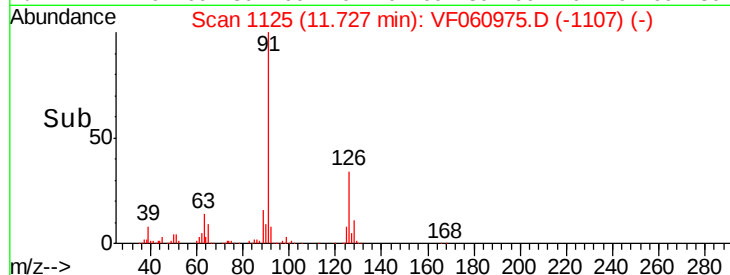
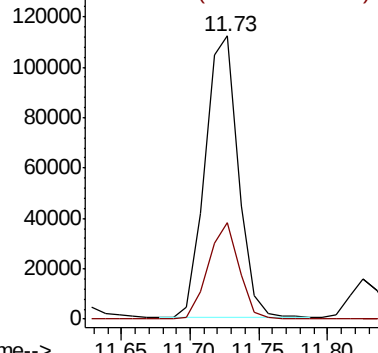
91 100

126 34.2 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 25.297 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060975.D

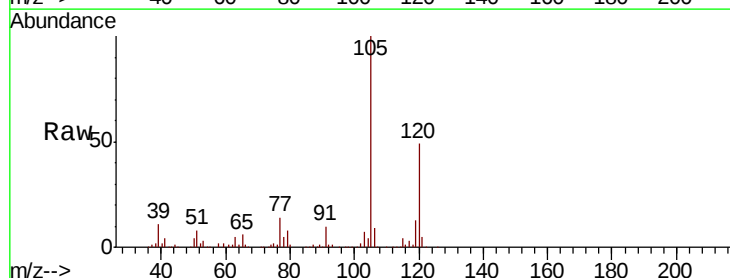
Acq: 11 Dec 2018 14:36

Tgt Ion:105 Resp: 231333

Ion Ratio Lower Upper

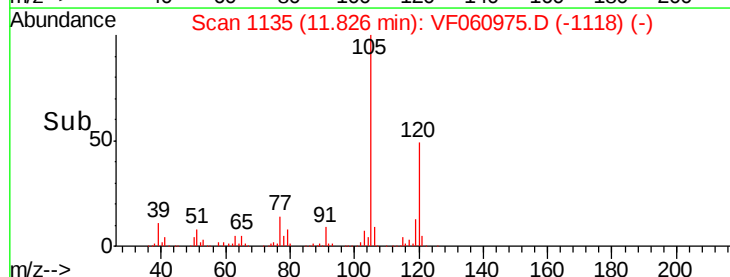
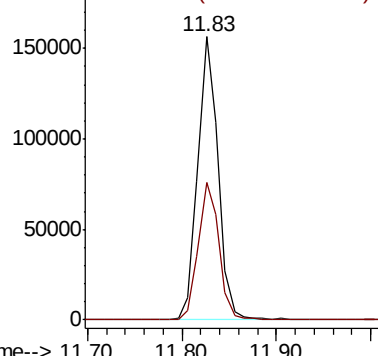
105 100

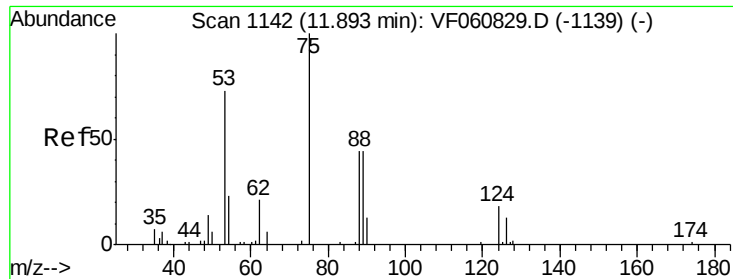
120 48.6 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 30.677 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

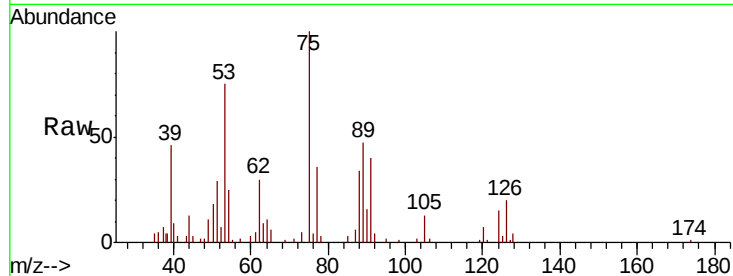
Tot Ion: 75 Resp: 20254

Ion Ratio Lower Upper

75 100

53 75.2 65.9 98.9

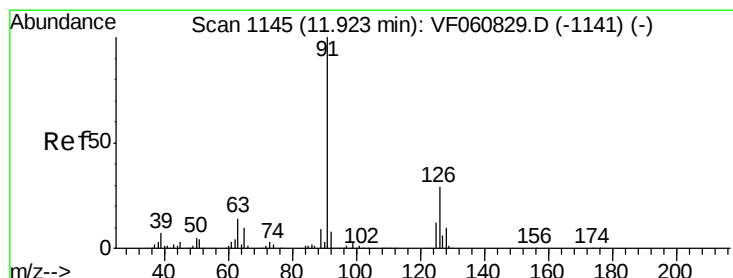
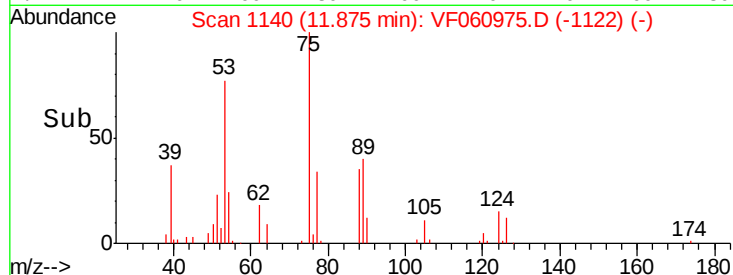
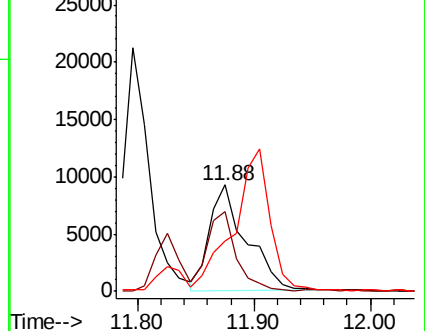
89 47.1 38.8 58.2



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: 23.309 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF060975.D

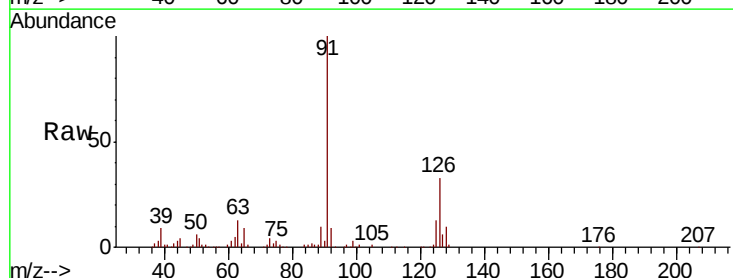
Acq: 11 Dec 2018 14:36

Tgt Ion: 91 Resp: 185541

Ion Ratio Lower Upper

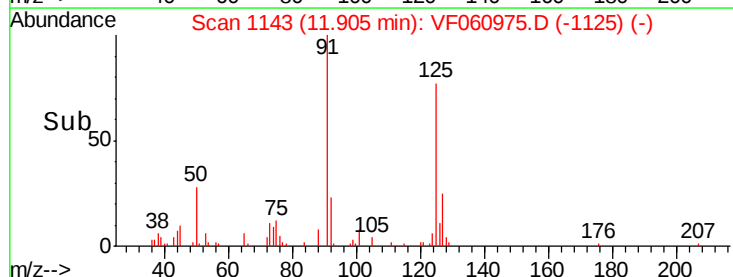
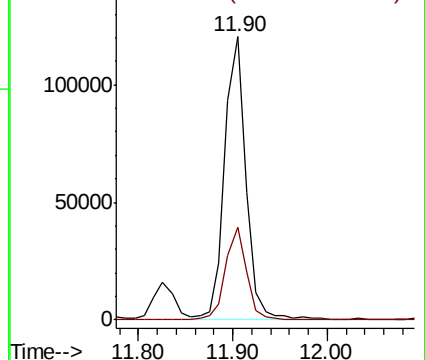
91 100

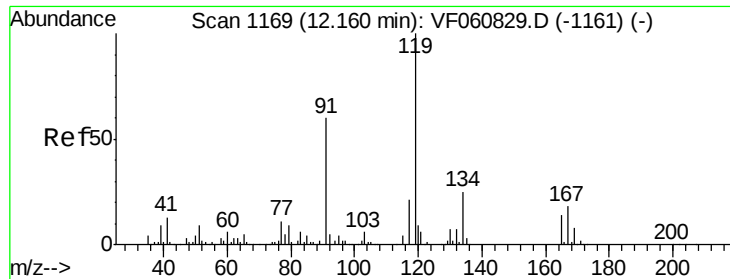
126 32.7 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

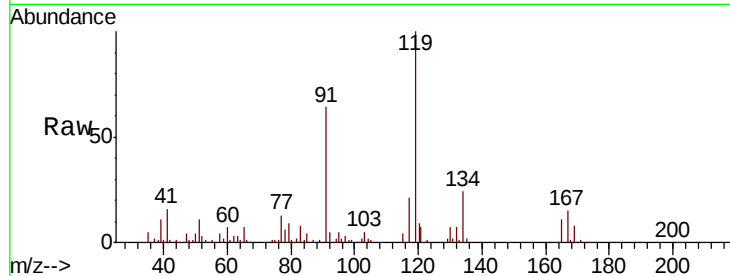




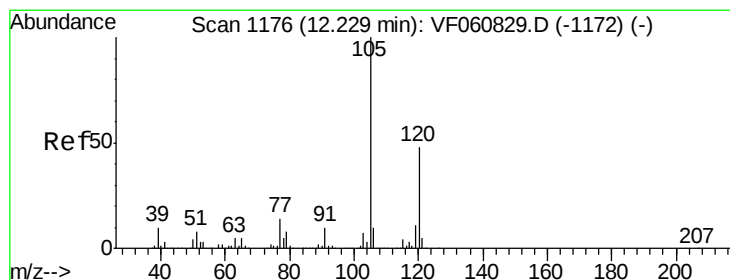
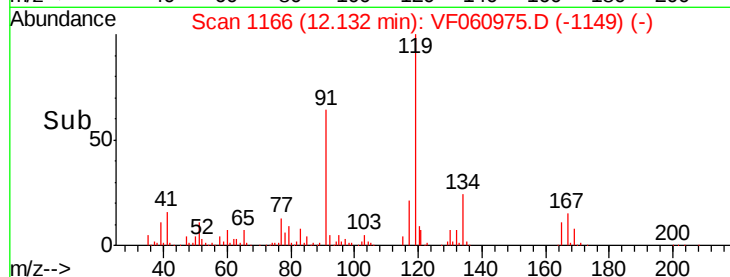
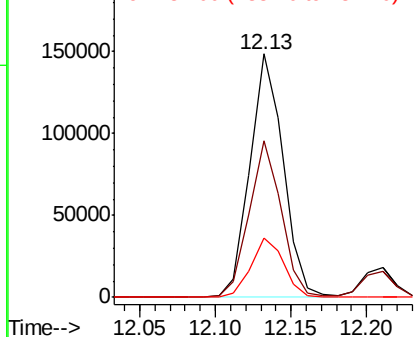
#83
tert-Butylbenzene
Concen: 24.572 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion:119 Resp: 228893
Ion Ratio Lower Upper
119 100
91 64.4 30.1 90.3
134 24.3 12.6 37.8

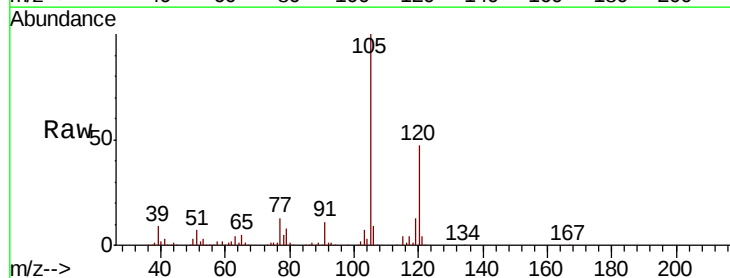


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

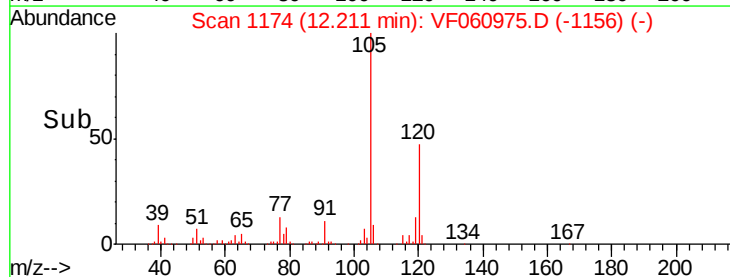
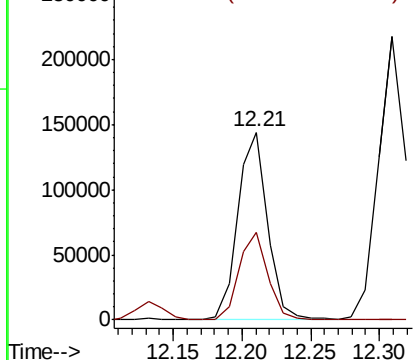


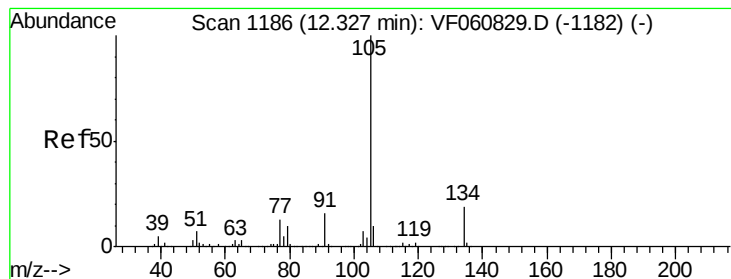
#84
1,2,4-Trimethylbenzene
Concen: 23.697 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion:105 Resp: 216272
Ion Ratio Lower Upper
105 100
120 46.5 23.8 71.5



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





#85

sec-Butylbenzene

Concen: 24.306 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

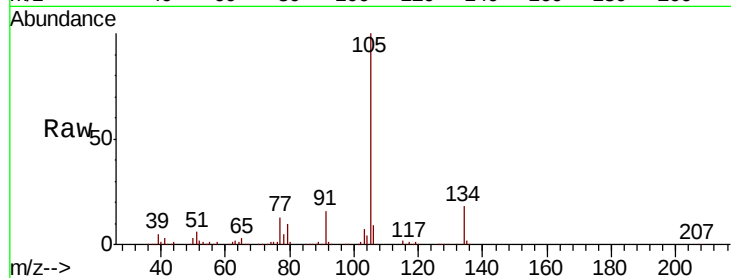
VF1211SBS01

Tot Ion:105 Resp: 309949

Ion Ratio Lower Upper

105 100

134 18.0 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

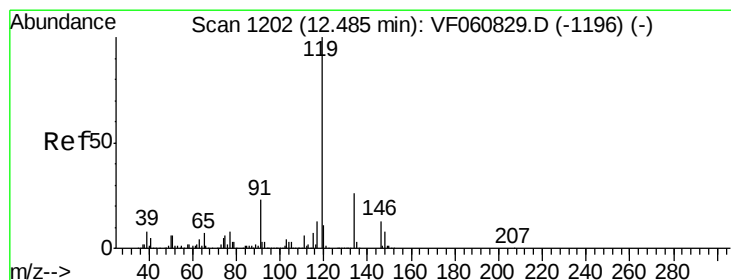
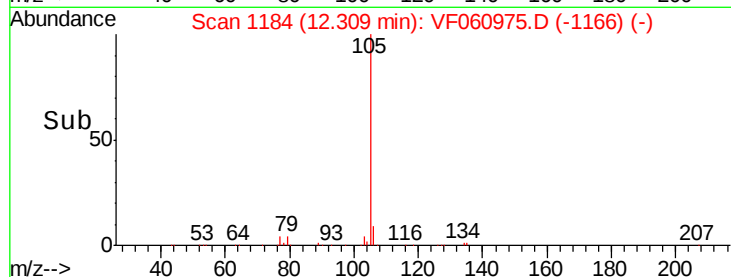
0

12.20

12.30

12.40

Time-->



#86

p-Isopropyltoluene

Concen: 23.965 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

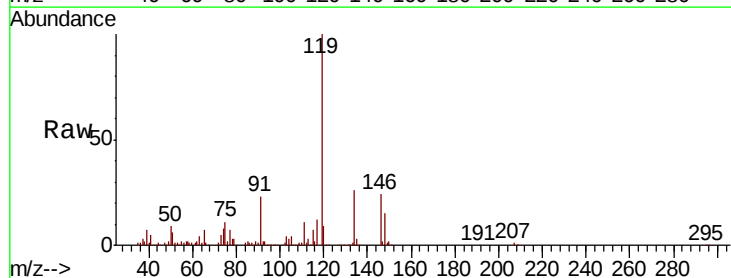
Tgt Ion:119 Resp: 256208

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.4 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

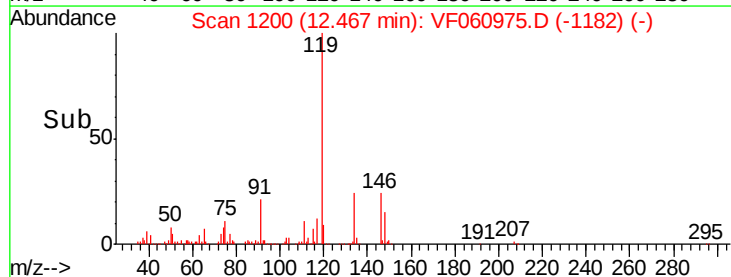
50000

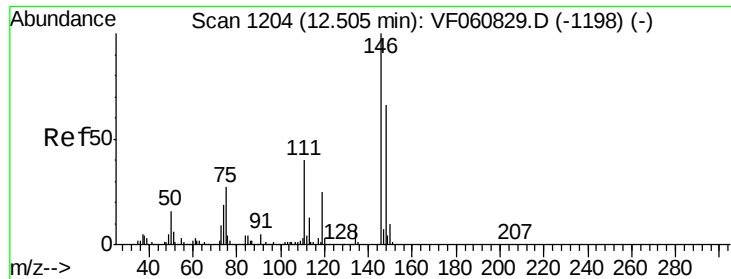
0

12.40

12.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 24.101 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

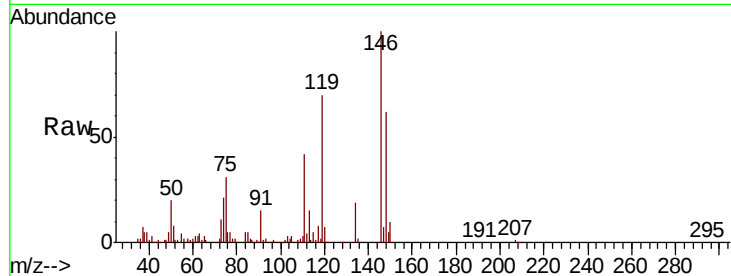
Tot Ion:146 Resp: 113218

Ion Ratio Lower Upper

146 100

111 41.9 20.0 59.9

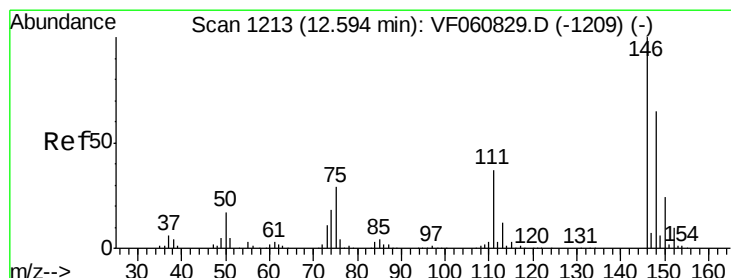
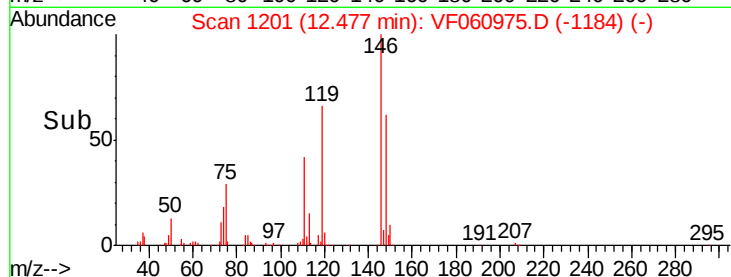
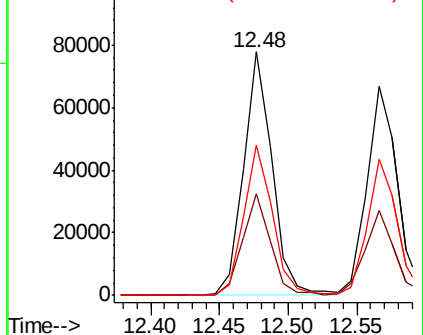
148 61.6 32.9 98.6



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



#88

1,4-Dichlorobenzene

Concen: 22.594 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

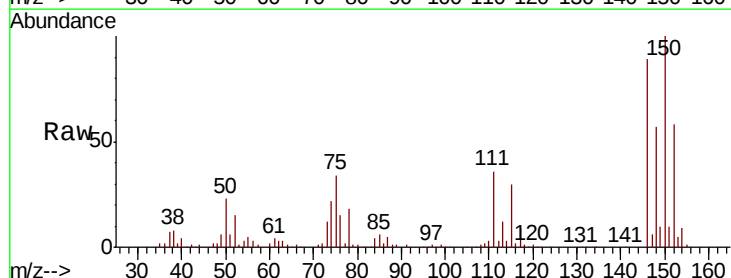
Tgt Ion:146 Resp: 103437

Ion Ratio Lower Upper

146 100

111 40.8 18.9 56.7

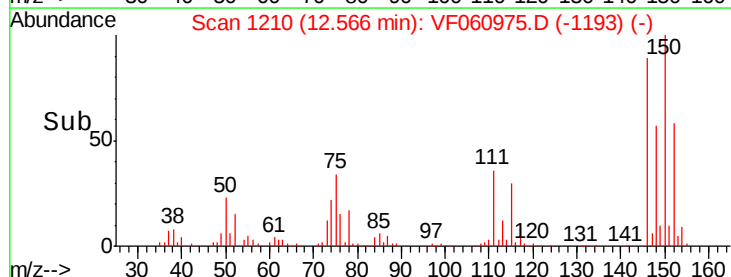
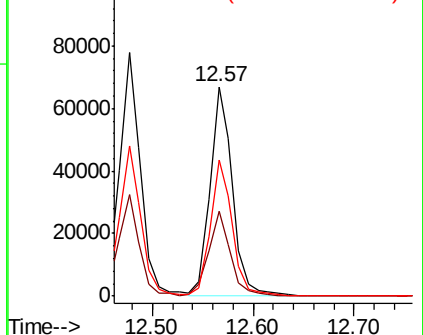
148 64.8 32.3 96.9

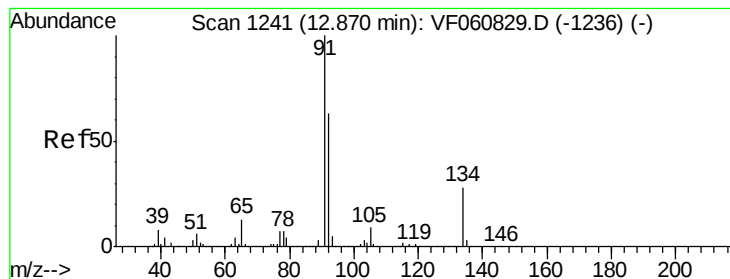


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.182 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

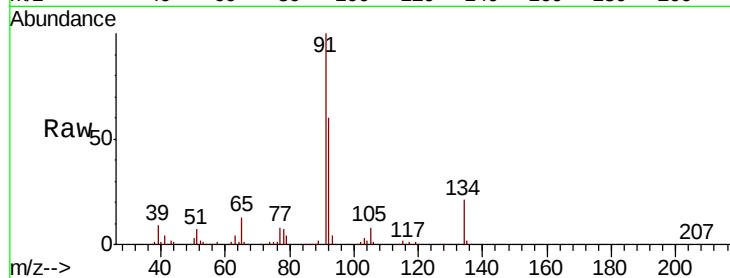
Tot Ion: 91 Resp: 261413

Ion Ratio Lower Upper

91 100

92 60.0 31.6 94.7

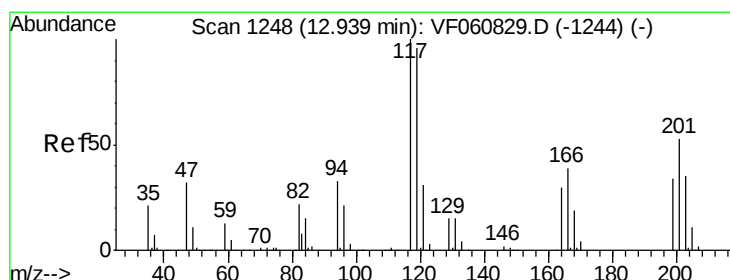
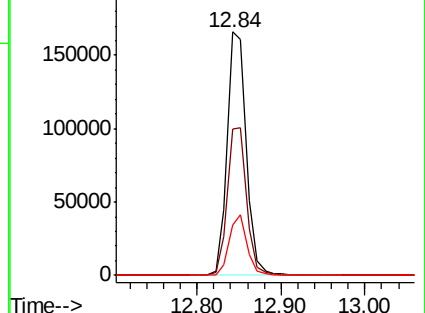
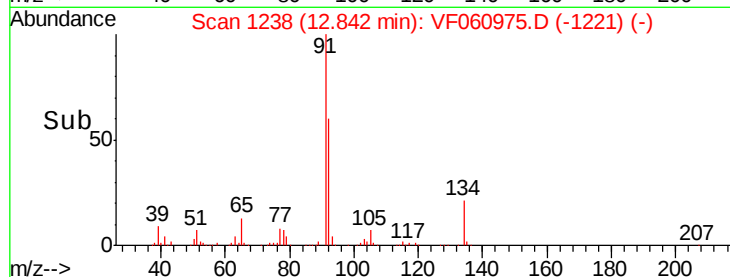
134 20.5 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.701 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VF060975.D

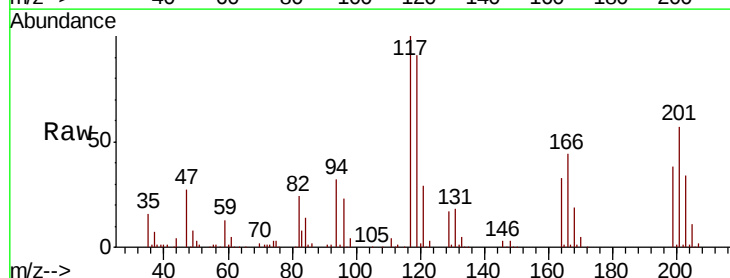
Acq: 11 Dec 2018 14:36

Tgt Ion: 117 Resp: 61017

Ion Ratio Lower Upper

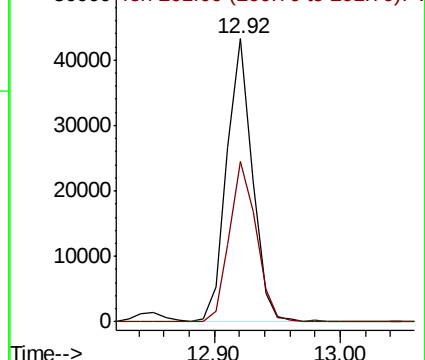
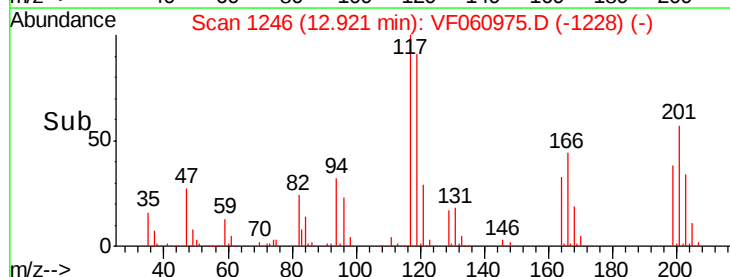
117 100

201 56.5 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 23.455 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

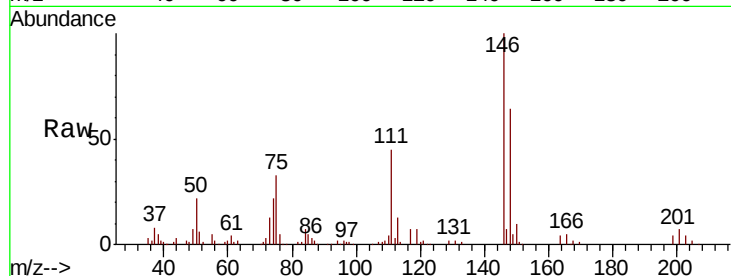
Tot Ion:146 Resp: 104344

Ion Ratio Lower Upper

146 100

111 45.2 21.2 63.6

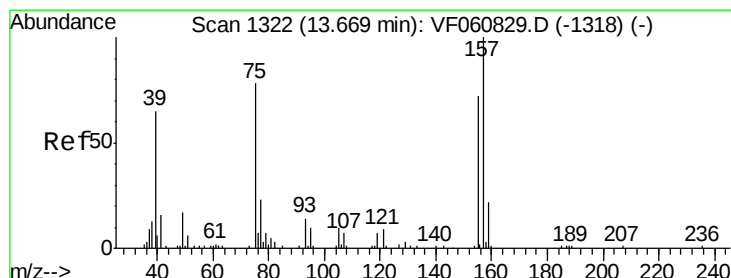
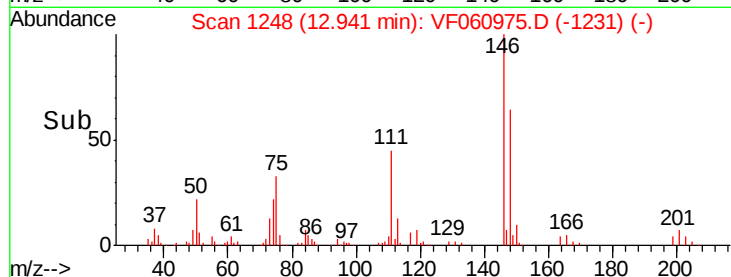
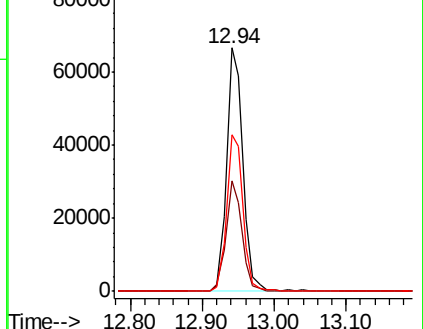
148 64.1 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.649 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

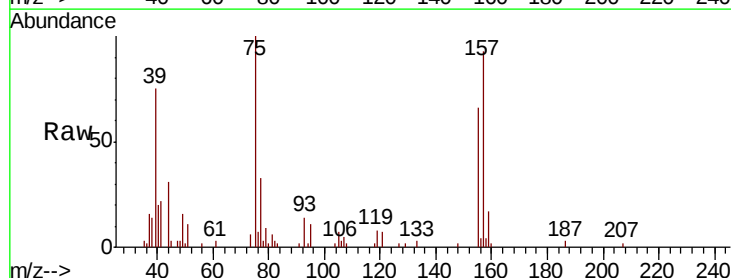
Tgt Ion: 75 Resp: 8118

Ion Ratio Lower Upper

75 100

155 66.2 45.6 136.9

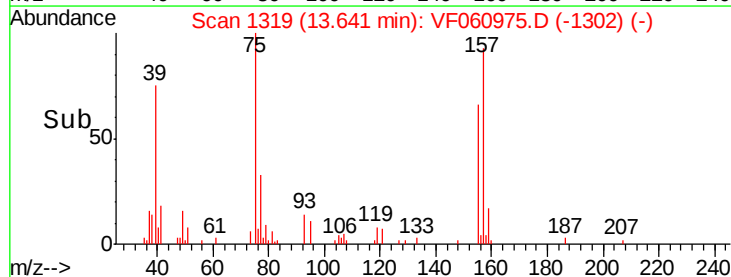
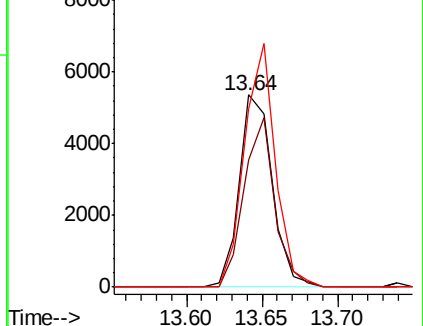
157 92.7 63.8 191.5

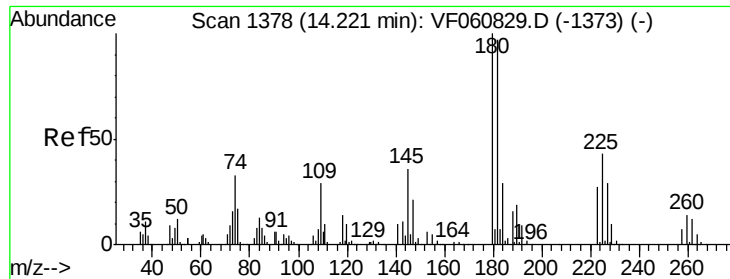


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

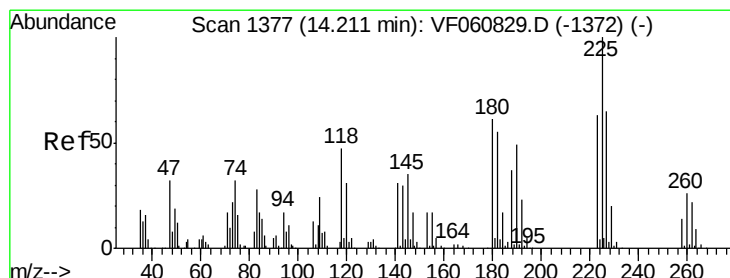
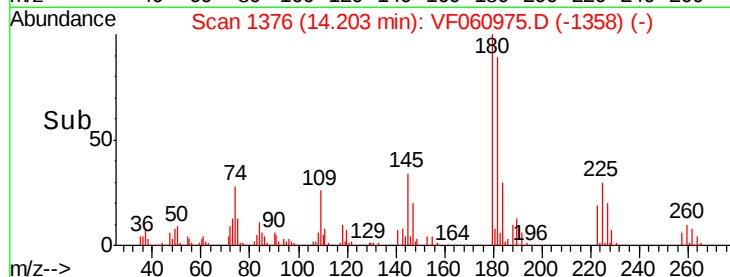
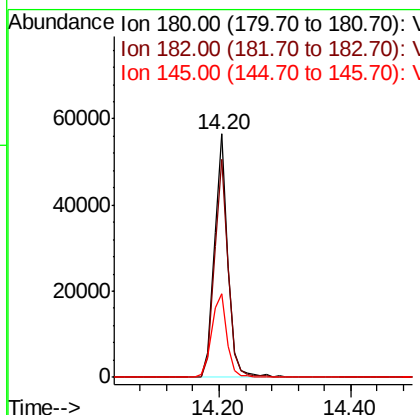
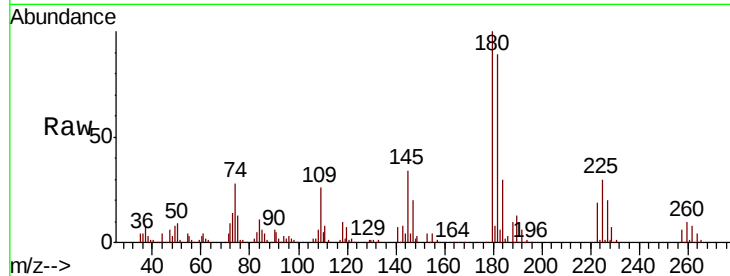




#93
 1,2,4-Trichlorobenzene
 Concen: 25.184 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

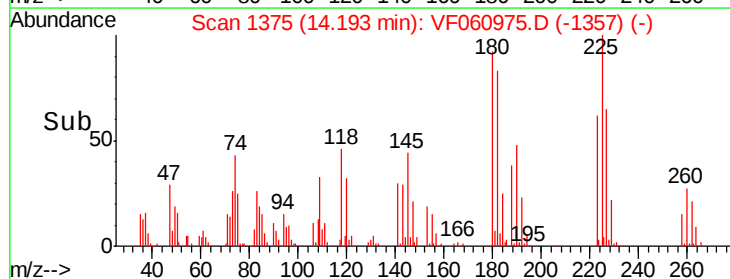
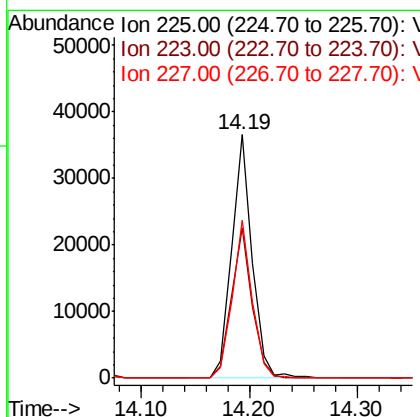
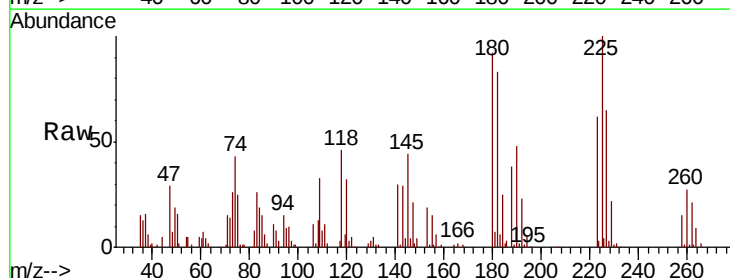
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion:180 Resp: 78282
 Ion Ratio Lower Upper
 180 100
 182 89.4 48.5 145.5
 145 34.4 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 23.277 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion:225 Resp: 48232
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.3
 227 64.8 32.5 97.5





#95

Naphthalene

Concen: 20.118 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

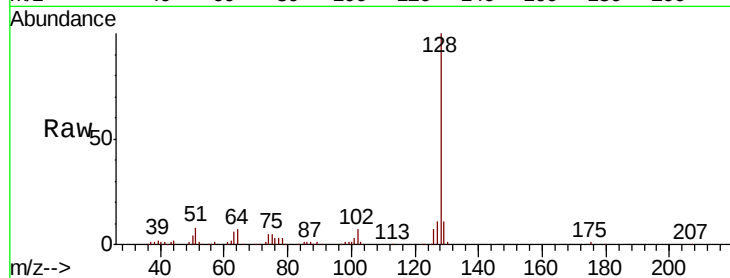
Tot Ion:128 Resp: 133989

Ion Ratio Lower Upper

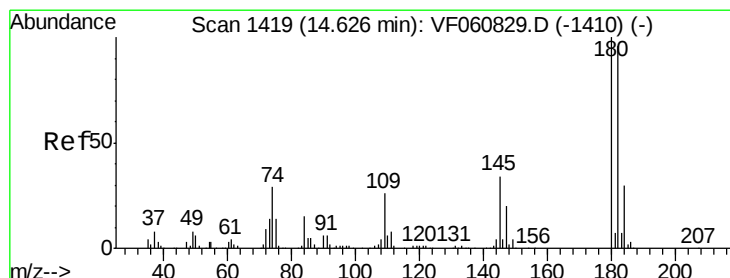
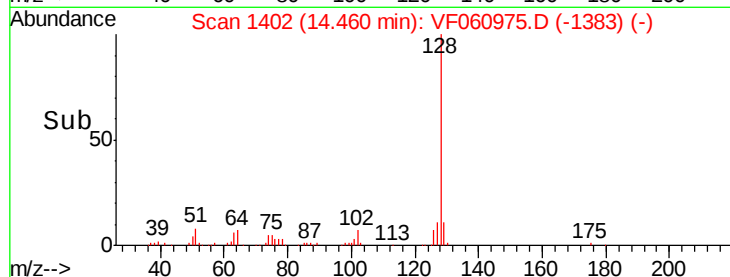
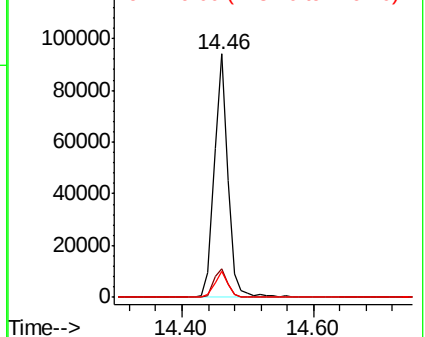
128 100

127 11.5 9.9 14.9

129 10.6 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: 23.315 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

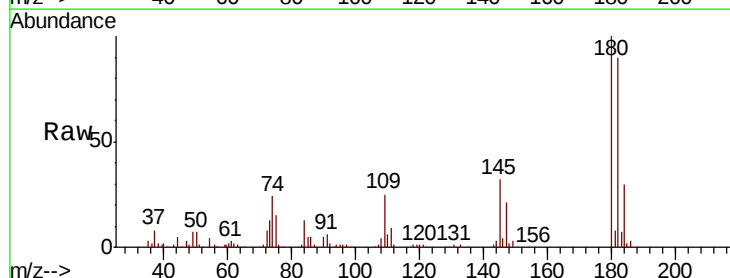
Tgt Ion:180 Resp: 67291

Ion Ratio Lower Upper

180 100

182 90.4 47.9 143.8

145 31.9 17.2 51.5



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

