

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060229.D
 Acq On : 10 Sep 2018 12:40
 Operator : VA/AP
 Sample : VF0910SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBSD01

Quant Time: Sep 10 13:14:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	145941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	211859	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	225647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	147031	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	132074	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.60%		
35) Dibromofluoromethane	4.30	113	106273	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.40%		
50) Toluene-d8	7.71	98	245650	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.86%		
62) 4-Bromofluorobenzene	11.52	95	143489	49.10	ug/l	0.01
Spiked Amount 50.000			Recovery =	98.20%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	69457	24.966	ug/l	98
3) Chloromethane	1.07	50	32604	22.225	ug/l	99
4) Vinyl Chloride	1.13	62	30214	26.724	ug/l	94
5) Bromomethane	1.31	94	22758	22.469	ug/l	95
6) Chloroethane	1.39	64	16155	22.309	ug/l	96
7) Trichlorofluoromethane	1.48	101	87541	27.764	ug/l	100
8) Diethyl Ether	1.70	74	9968	21.382	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	37347	24.222	ug/l	93
10) Methyl Iodide	1.93	142	29410	21.175	ug/l #	93
11) Tert butyl alcohol	2.67	59	11328	89.144	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	23847	22.735	ug/l	92
13) Acrolein	2.09	56	6305	108.766	ug/l #	71
14) Allyl chloride	2.18	41	47428	30.147	ug/l	95
15) Acrylonitrile	3.07	53	21715	112.030	ug/l	94
16) Acetone	2.34	43	61253	93.690	ug/l	98
17) Carbon Disulfide	1.84	76	79894	26.132	ug/l	95
18) Methyl Acetate	2.45	43	22867	26.542	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	75821	21.848	ug/l	97
20) Methylene Chloride	2.28	84	28548	17.050	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	27363	25.494	ug/l	94
22) Diisopropyl ether	2.92	45	88110	22.348	ug/l	99
23) Vinyl Acetate	3.33	43	129175	93.393	ug/l	97
24) 1,1-Dichloroethane	3.00	63	70934	27.660	ug/l	99
25) 2-Butanone	4.51	43	66296	92.517	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	72186	21.485	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	34670	24.748	ug/l	90
28) Bromochloromethane	3.89	49	21503	24.621	ug/l #	80
29) Tetrahydrofuran	4.24	42	24285	102.513	ug/l	96
30) Chloroform	4.03	83	87196	23.210	ug/l	94
31) Cyclohexane	3.87	56	39416	22.467	ug/l #	91
32) 1,1,1-Trichloroethane	4.28	97	84124	22.477	ug/l	99
36) 1,1-Dichloropropene	4.46	75	50758	20.356	ug/l	94
37) Ethyl Acetate	4.28	43	24454	17.558	ug/l #	1
38) Carbon Tetrachloride	4.17	117	71834	20.954	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	46335	22.181	ug/l	94
40) Benzene	4.81	78	94683	21.312	ug/l	97
41) Methacrylonitrile	4.92	41	11802	18.196	ug/l	93
42) 1,2-Dichloroethane	5.12	62	69588	21.673	ug/l	98
43) Isopropyl Acetate	7.11	43	27163	18.728	ug/l #	100
44) Trichloroethene	5.68	130	36973	20.547	ug/l	97
45) 1,2-Dichloropropane	6.40	63	26404	20.910	ug/l	95
46) Dibromomethane	6.25	93	23970	21.559	ug/l	90
47) Bromodichloromethane	6.55	83	63342	20.989	ug/l	92
48) Methyl methacrylate	6.87	41	21307	18.493	ug/l	99
49) 1,4-Dioxane	6.86	88	3070	181.342	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	138056	107.133	ug/l	99
52) Toluene	7.78	92	72306	21.015	ug/l	91
53) t-1,3-Dichloropropene	8.43	75	52680	20.775	ug/l	89
54) cis-1,3-Dichloropropene	7.47	75	50724	19.269	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	24521	19.377	ug/l	89
56) Ethyl methacrylate	8.77	69	28288	19.554	ug/l	92
57) 1,3-Dichloropropane	9.00	76	44731	19.881	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	16936	108.860	ug/l	100
59) 2-Hexanone	9.63	43	106674	110.023	ug/l	98
60) Dibromochloromethane	8.86	129	43921	20.955	ug/l	98
61) 1,2-Dibromoethane	9.14	107	28714	18.918	ug/l	97
64) Tetrachloroethene	8.31	164	46300	17.317	ug/l	97
65) Chlorobenzene	9.94	112	98770	21.148	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	40295	19.466	ug/l	92
67) Ethyl Benzene	10.05	91	192298	22.069	ug/l	99
68) m/p-Xylenes	10.27	106	129075	44.150	ug/l	96
69) o-Xylene	10.84	106	68062	21.825	ug/l	90
70) Styrene	10.91	104	104763	22.163	ug/l	98
71) Bromoform	10.90	173	26084	21.826	ug/l #	91
73) Isopropylbenzene	11.23	105	216712	21.368	ug/l	96
74) N-amyl acetate	11.47	43	37162	21.433	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	31608	20.725	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	31366	19.408	ug/l	80
77) Bromobenzene	11.60	156	55383	20.852	ug/l	87
78) n-propylbenzene	11.69	91	264057	21.728	ug/l	94
79) 2-Chlorotoluene	11.81	91	162832	22.177	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	202712	22.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	8731	24.496	ug/l #	71
82) 4-Chlorotoluene	11.99	91	168478	20.677	ug/l	98
83) tert-Butylbenzene	12.22	119	191278	23.446	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	199782	21.965	ug/l	98
85) sec-Butylbenzene	12.39	105	248410	22.073	ug/l	97
86) p-Isopropyltoluene	12.54	119	218218	21.836	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	89191	18.378	ug/l	92
88) 1,4-Dichlorobenzene	12.65	146	102819	21.407	ug/l	99
89) n-Butylbenzene	12.92	91	207507	21.469	ug/l	96
90) Hexachloroethane	13.00	117	47436	23.414	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	102234	22.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7686	19.750	ug/l	98

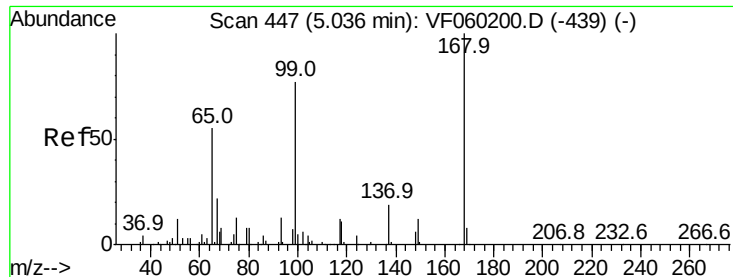
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
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QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	74261	20.853	ug/l	100
94) Hexachlorobutadiene	14.26	225	54782	21.584	ug/l	97
95) Naphthalene	14.52	128	84515	17.017	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	66141	19.787	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

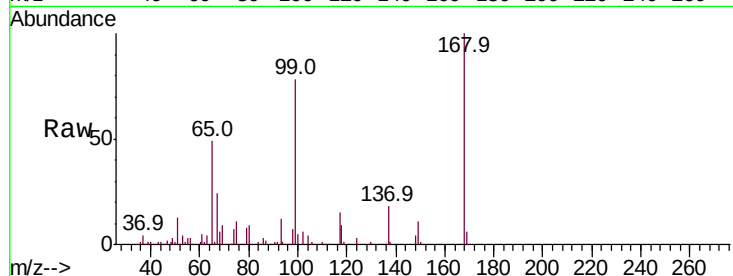
VF0910SBSD01

Tot Ion:168 Resp: 145941

Ion Ratio Lower Upper

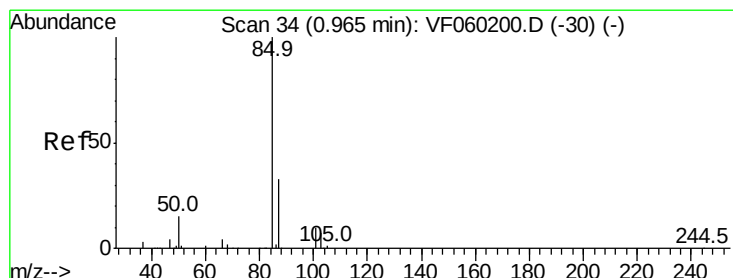
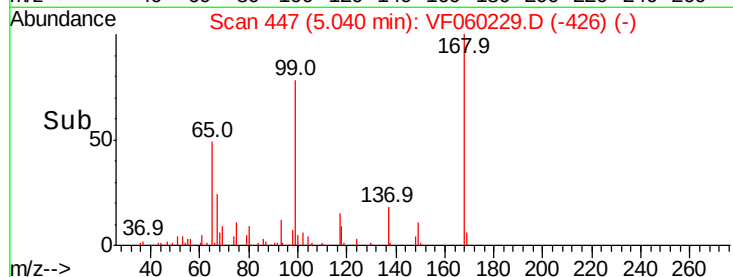
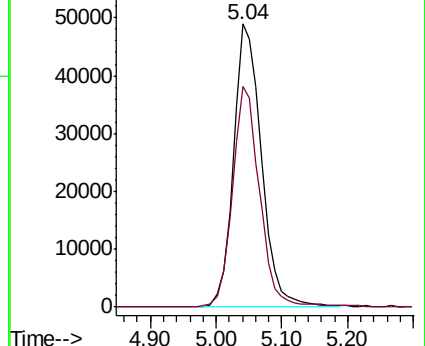
168 100

99 78.0 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.966 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060229.D

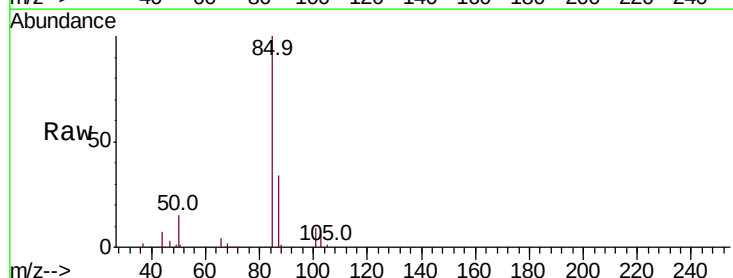
Acq: 10 Sep 2018 12:40

Tgt Ion: 85 Resp: 69457

Ion Ratio Lower Upper

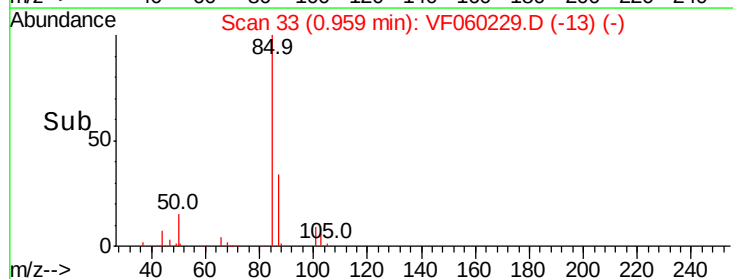
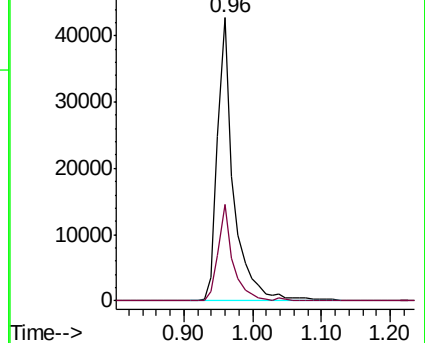
85 100

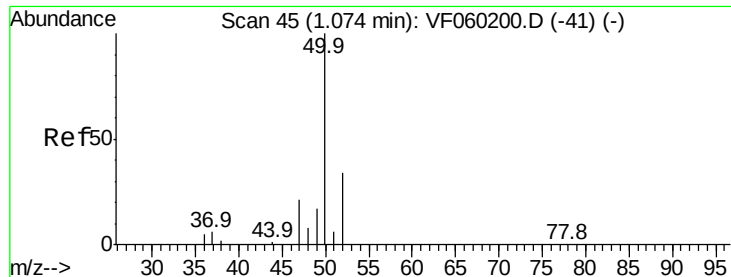
87 33.9 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 22.225 ug/l

RT: 1.07 min Scan# 44

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

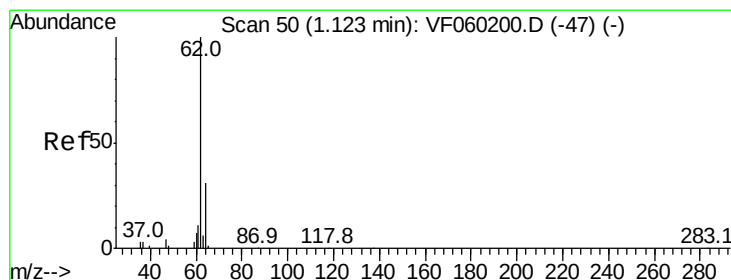
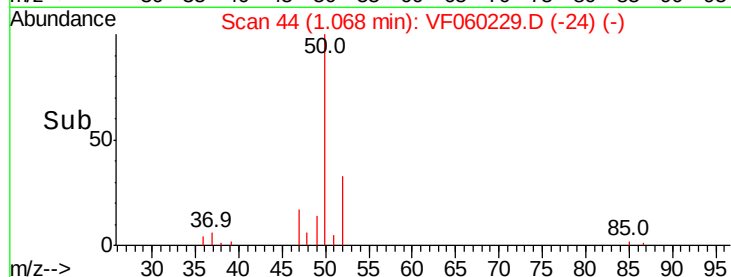
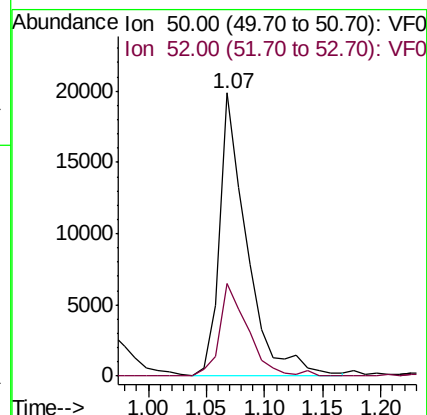
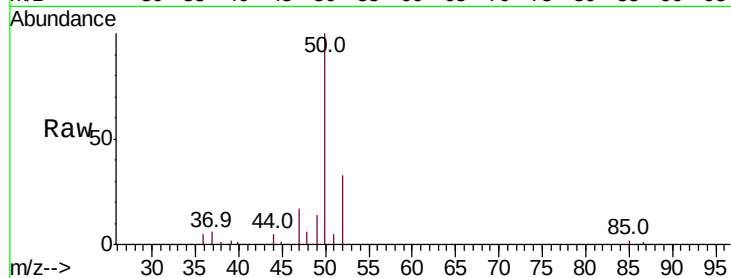
VF0910SBS01

Tot Ion: 50 Resp: 32604

Ion Ratio Lower Upper

50 100

52 32.8 26.9 40.3



#4

Vinyl Chloride

Concen: 26.724 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060229.D

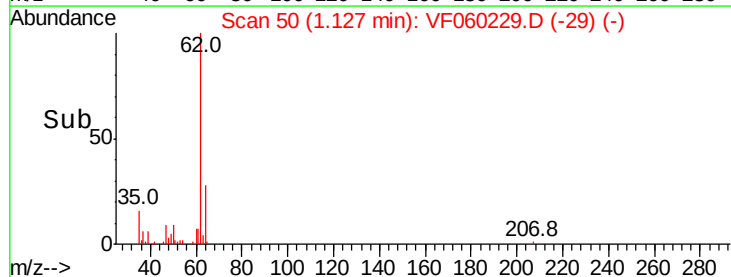
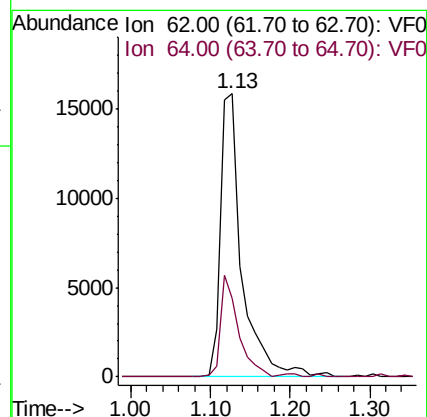
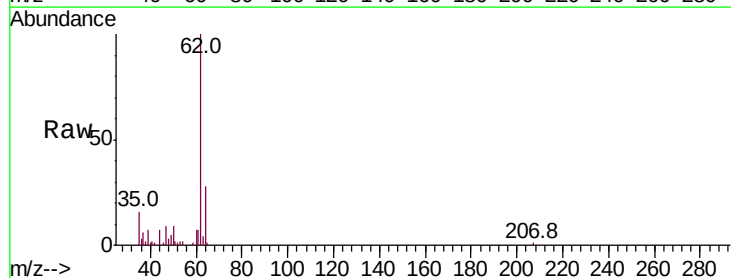
Acq: 10 Sep 2018 12:40

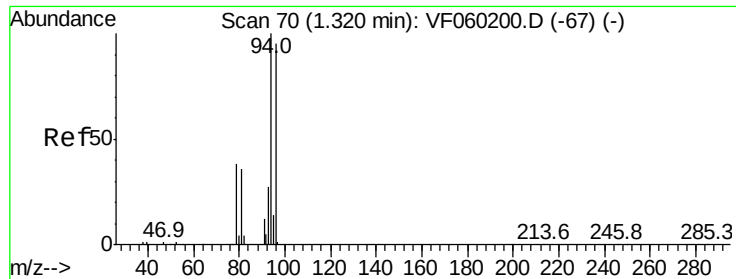
Tgt Ion: 62 Resp: 30214

Ion Ratio Lower Upper

62 100

64 27.8 24.8 37.2





#5

Bromomethane

Concen: 22.469 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

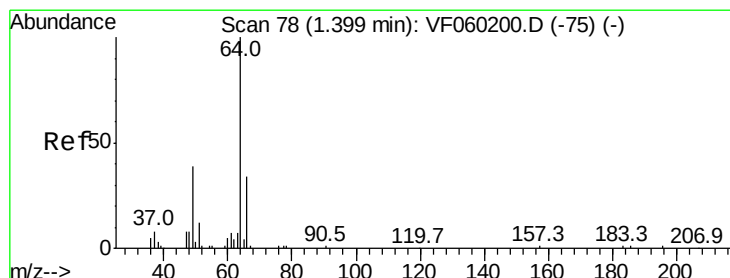
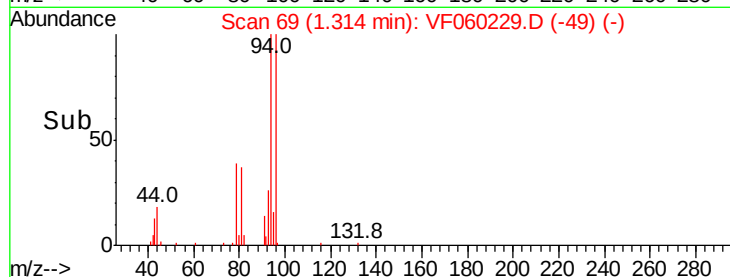
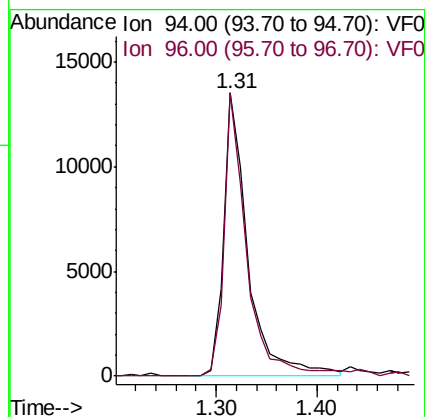
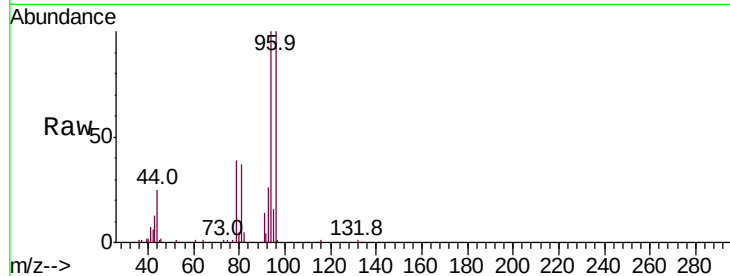
VF0910SBSD01

Tot Ion: 94 Resp: 22758

Ion Ratio Lower Upper

94 100

96 100.0 75.8 113.6



#6

Chloroethane

Concen: 22.309 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF060229.D

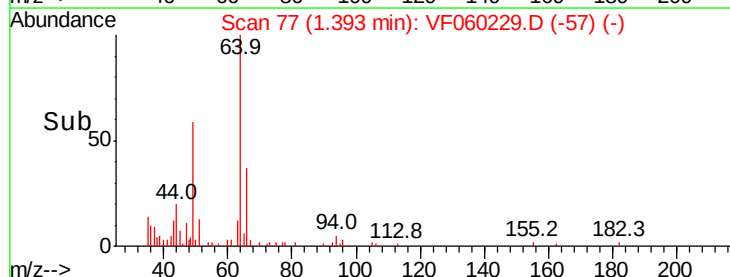
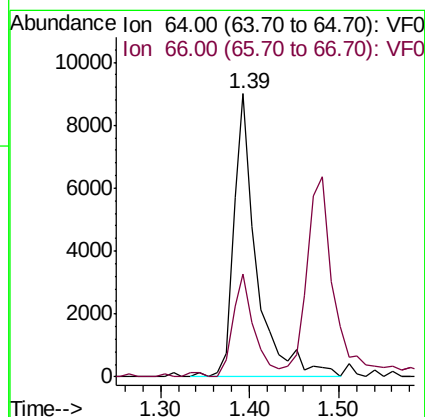
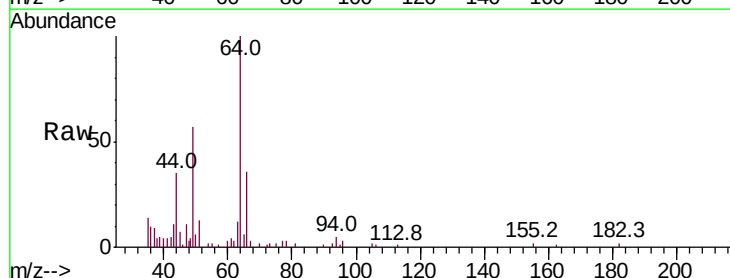
Acq: 10 Sep 2018 12:40

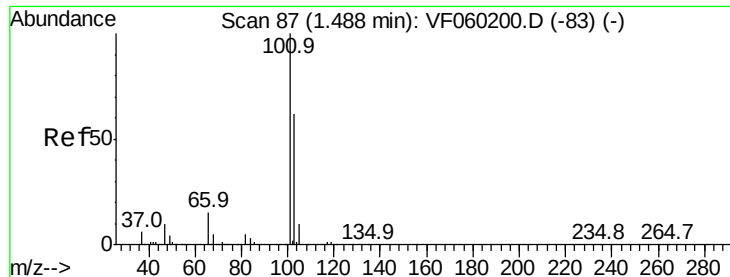
Tgt Ion: 64 Resp: 16155

Ion Ratio Lower Upper

64 100

66 36.2 27.1 40.7



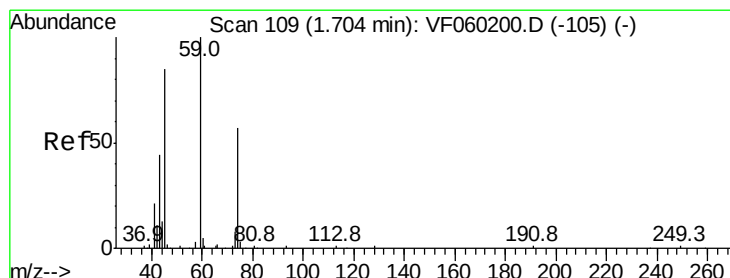
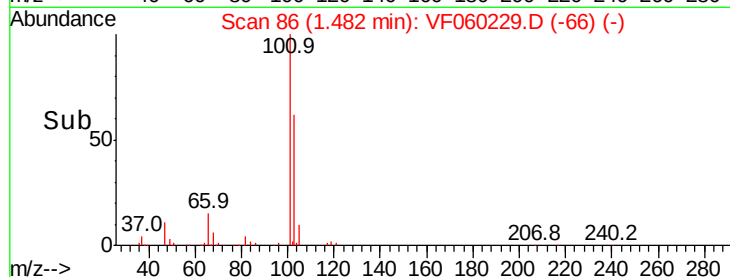
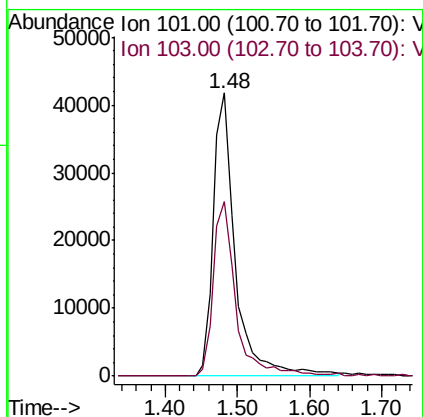
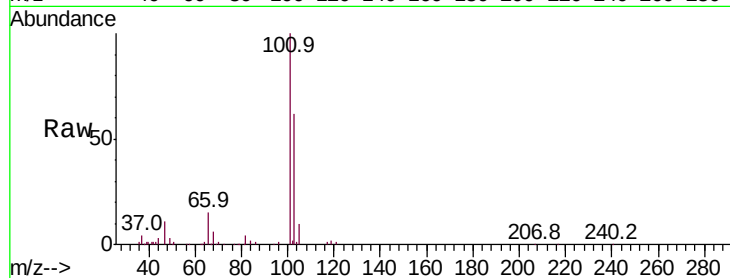


#7

Trichlorofluoromethane
 Concen: 27.764 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBS01

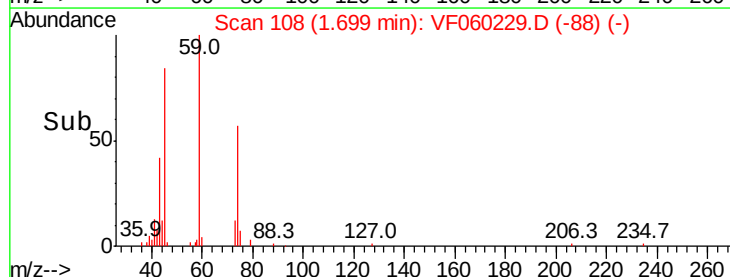
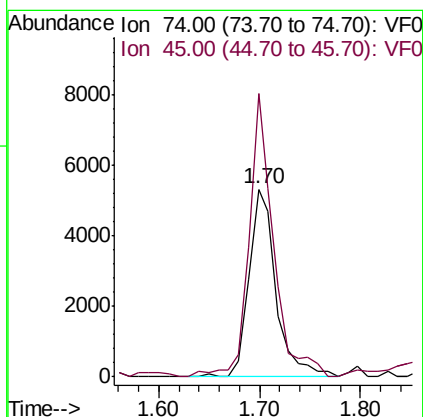
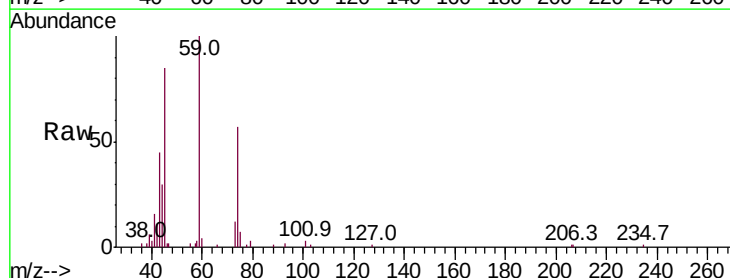
Tot Ion:101 Resp: 87541
 Ion Ratio Lower Upper
 101 100
 103 61.8 49.5 74.3

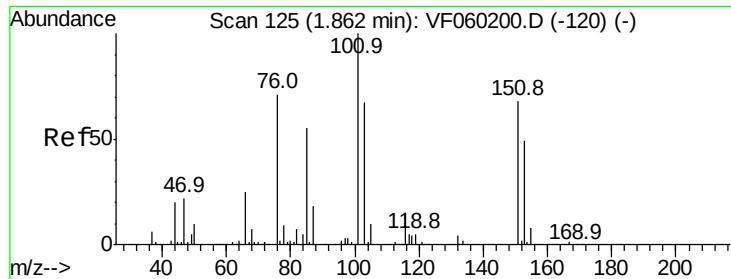


#8

Diethyl Ether
 Concen: 21.382 ug/l
 RT: 1.70 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion: 74 Resp: 9968
 Ion Ratio Lower Upper
 74 100
 45 150.9 75.3 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.222 ug/l

RT: 1.86 min Scan# 124

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

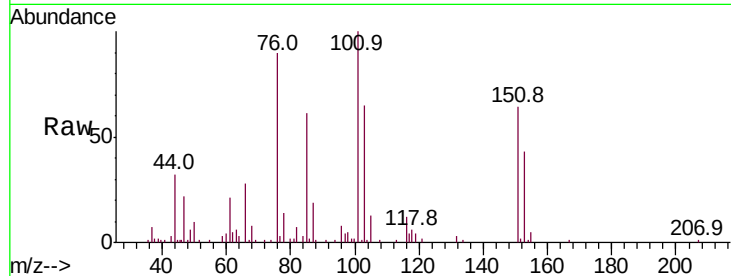
Tot Ion:101 Resp: 37347

Ion Ratio Lower Upper

101 100

85 61.3 43.0 64.4

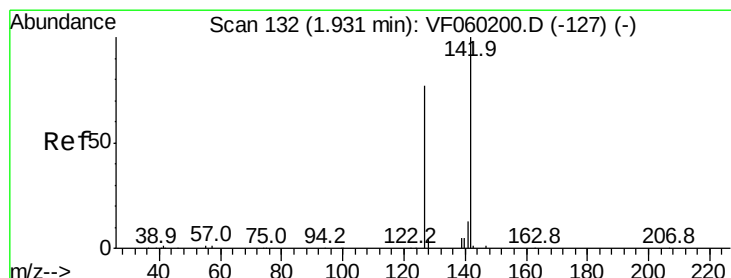
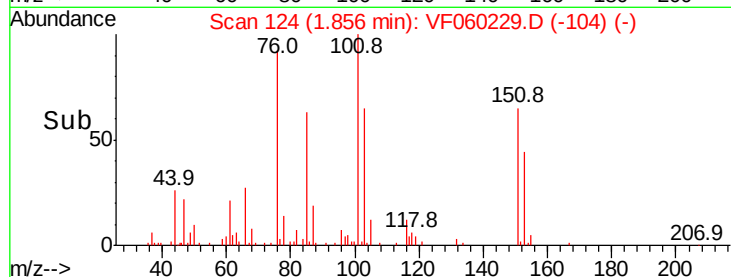
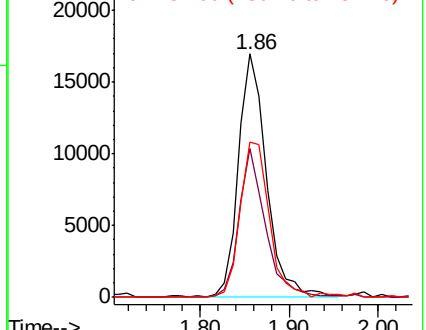
151 63.7 53.6 80.4



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: 21.175 ug/l

RT: 1.93 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

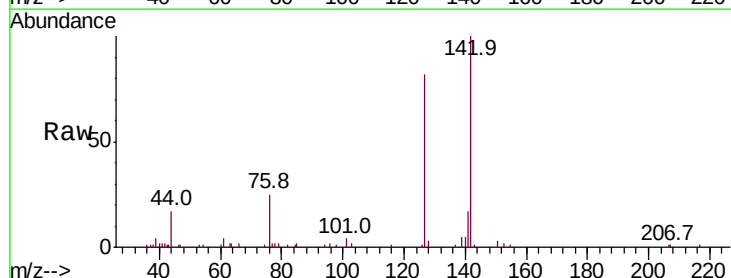
Tgt Ion:142 Resp: 29410

Ion Ratio Lower Upper

142 100

127 82.0 61.1 91.7

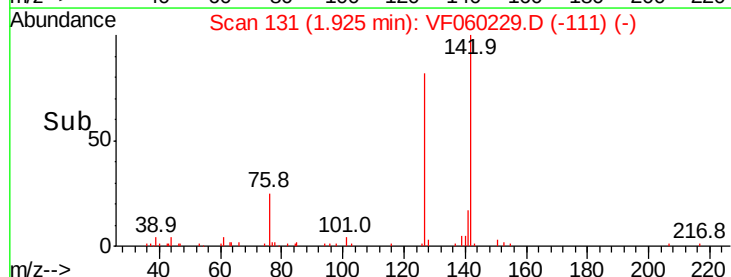
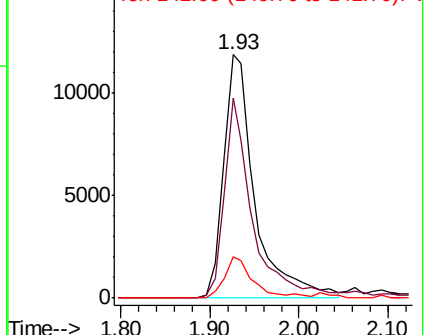
141 17.0 10.6 15.8#

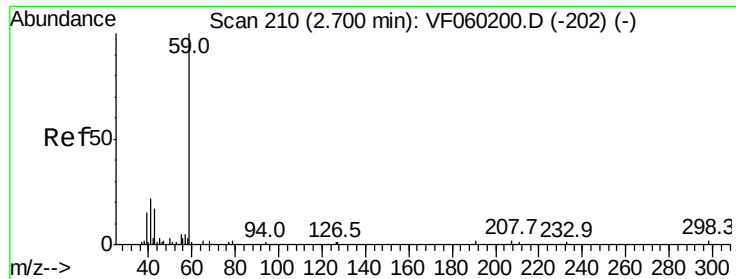


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



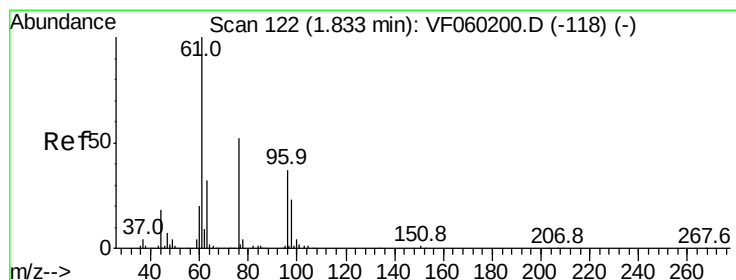
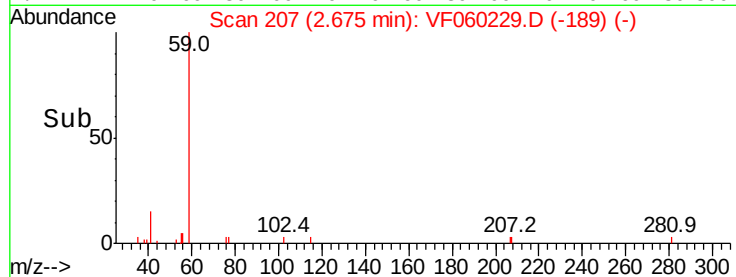
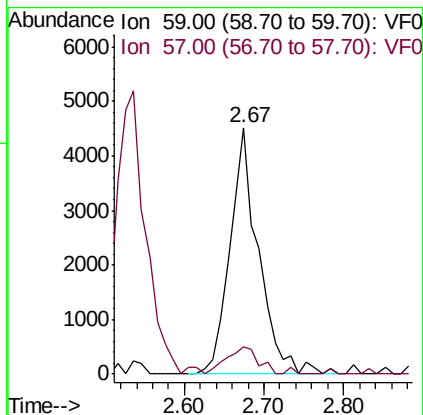
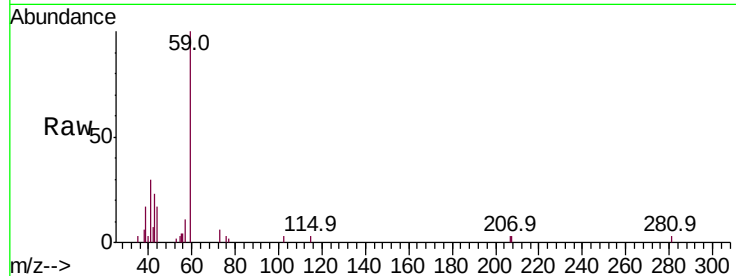


#11

Tert butyl alcohol
 Concen: 89.144 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.03 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBS01

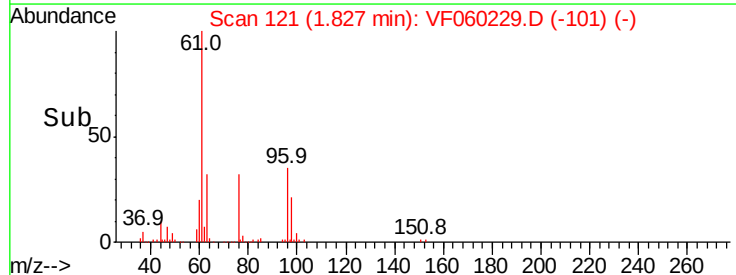
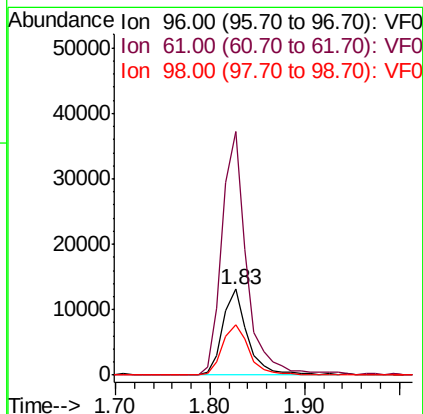
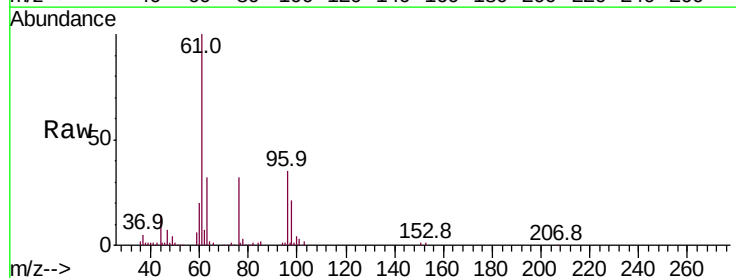
Tot Ion: 59 Resp: 11328
 Ion Ratio Lower Upper
 59 100
 57 11.2 7.2 10.8#

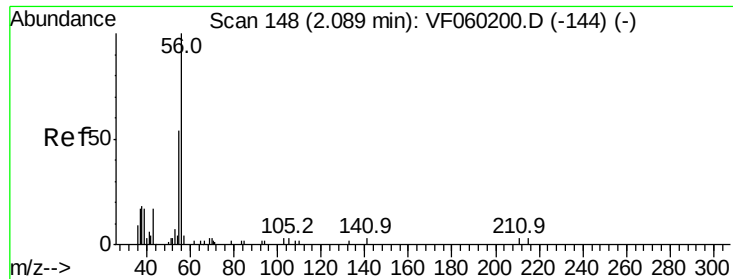


#12

1,1-Dichloroethene
 Concen: 22.735 ug/l
 RT: 1.83 min Scan# 121
 Delta R.T. -0.01 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion: 96 Resp: 23847
 Ion Ratio Lower Upper
 96 100
 61 283.9 214.6 321.8
 98 60.8 50.7 76.1





#13

Acrolein

Concen: 108.766 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

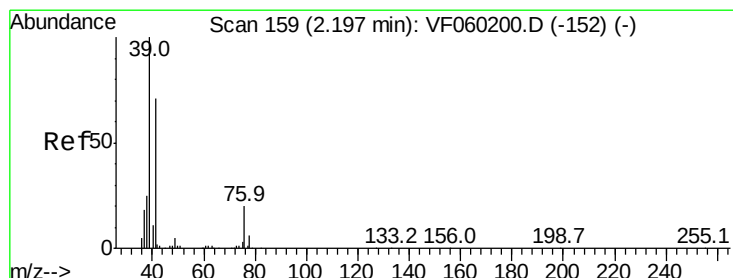
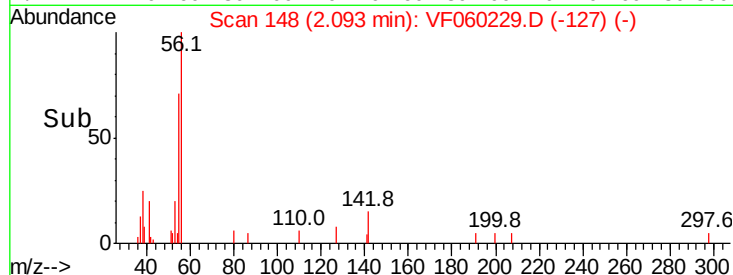
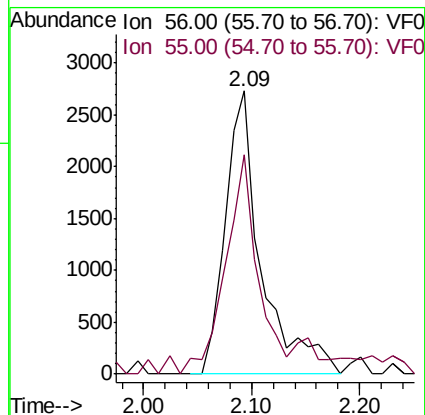
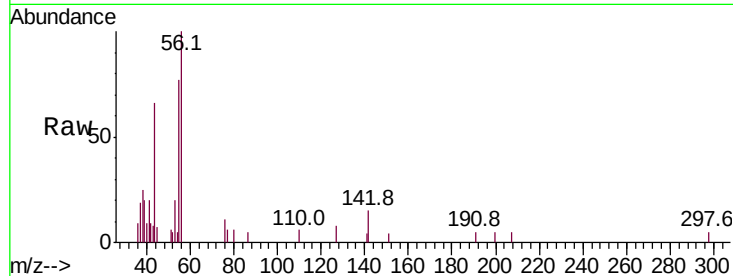
VF0910SBS01

Tot Ion: 56 Resp: 6305

Ion Ratio Lower Upper

56 100

55 77.4 45.1 67.7#



#14

Allyl chloride

Concen: 30.147 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

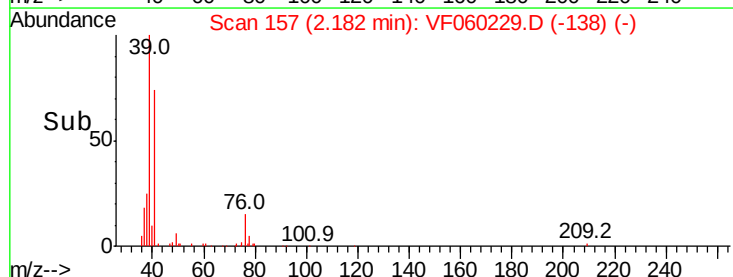
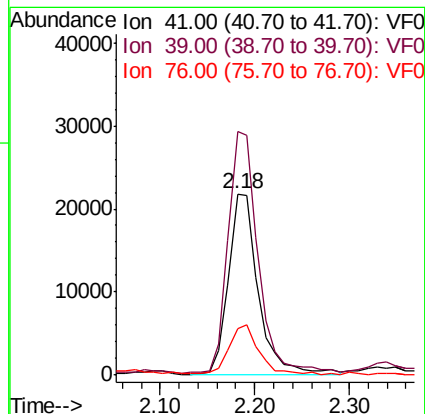
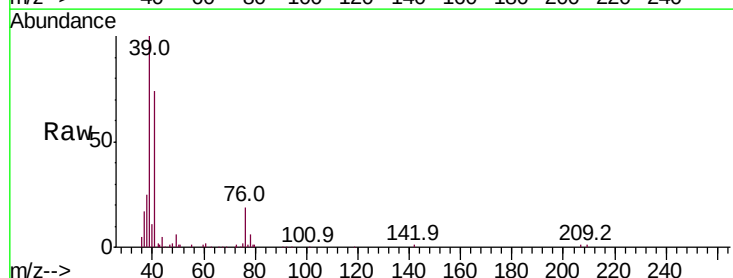
Tgt Ion: 41 Resp: 47428

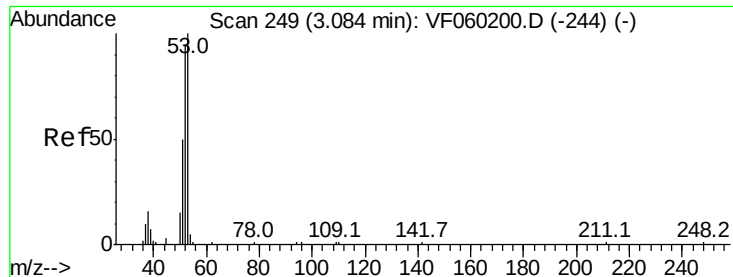
Ion Ratio Lower Upper

41 100

39 134.6 112.2 168.2

76 26.0 23.2 34.8





#15

Acrylonitrile

Concen: 112.030 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

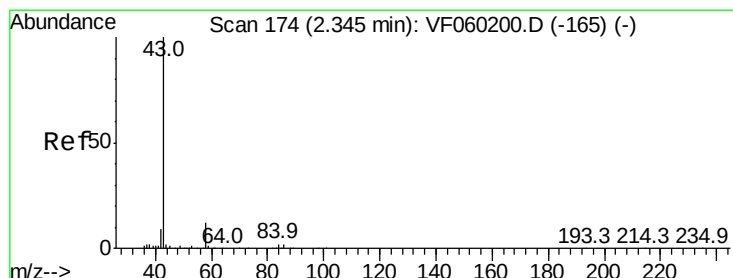
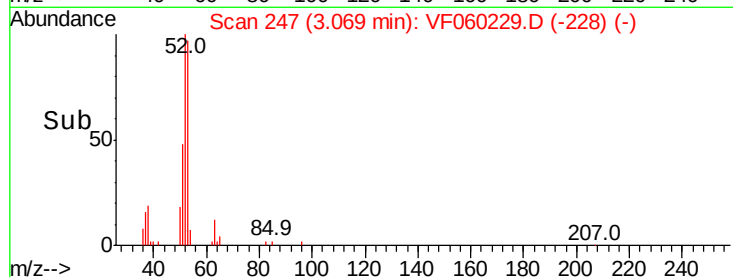
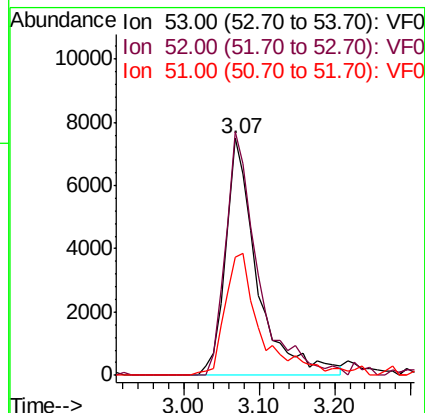
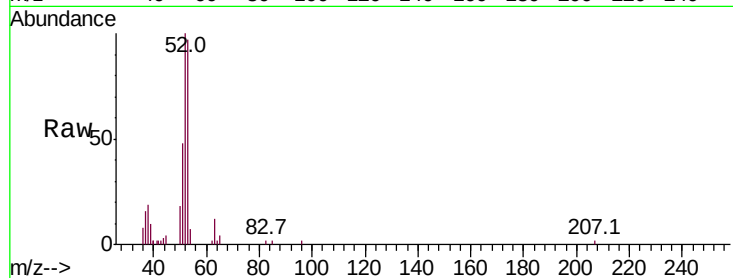
Tot Ion: 53 Resp: 21715

Ion Ratio Lower Upper

53 100

52 102.8 75.0 112.6

51 49.9 39.9 59.9



#16

Acetone

Concen: 93.690 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060229.D

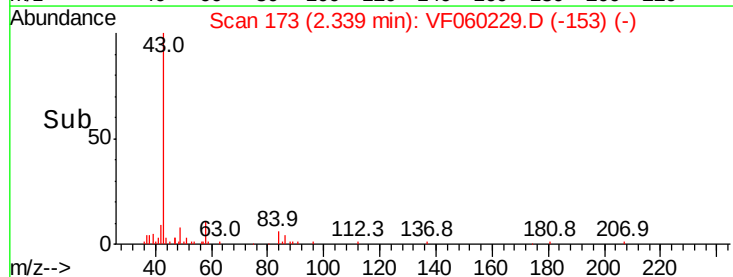
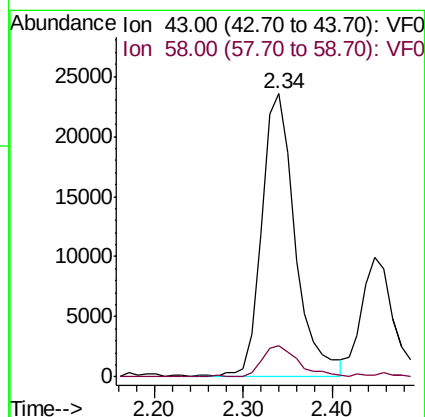
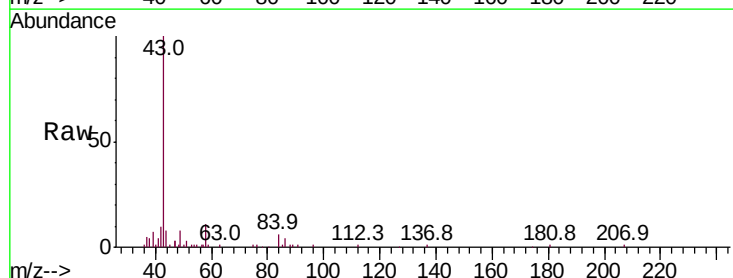
Acq: 10 Sep 2018 12:40

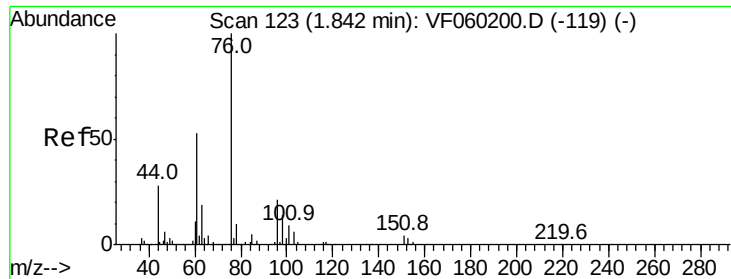
Tgt Ion: 43 Resp: 61253

Ion Ratio Lower Upper

43 100

58 11.2 9.7 14.5





#17

Carbon Disulfide

Concen: 26.132 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

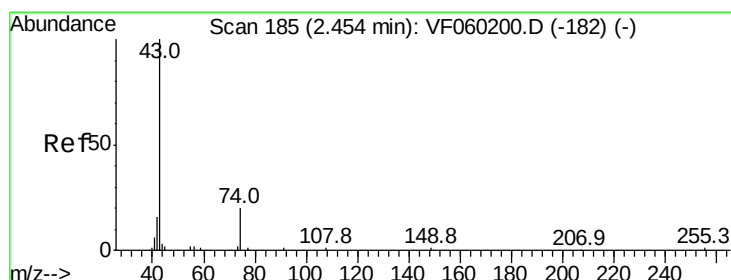
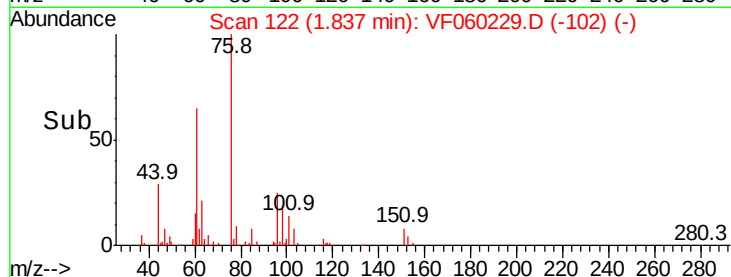
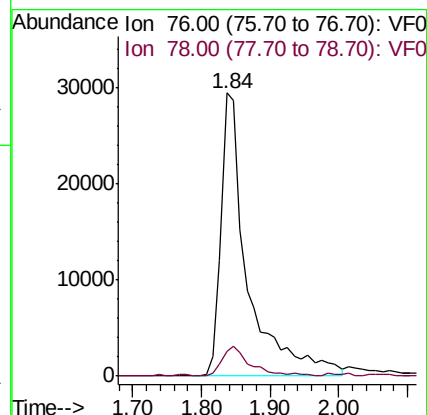
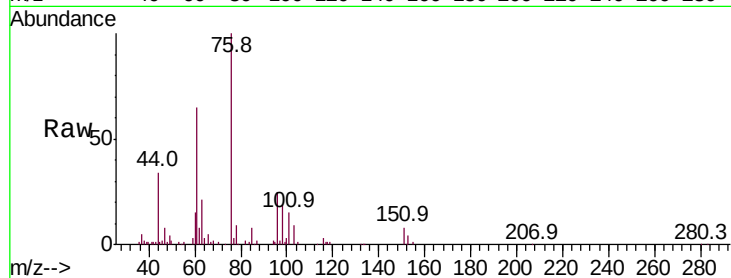
VF0910SBSD01

Tot Ion: 76 Resp: 79894

Ion Ratio Lower Upper

76 100

78 8.7 8.5 12.7



#18

Methyl Acetate

Concen: 26.542 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060229.D

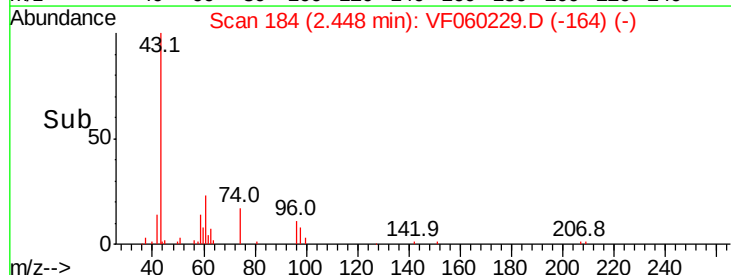
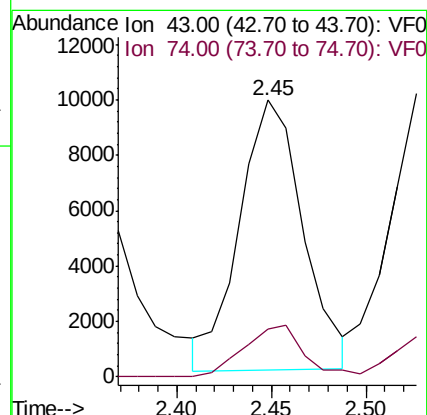
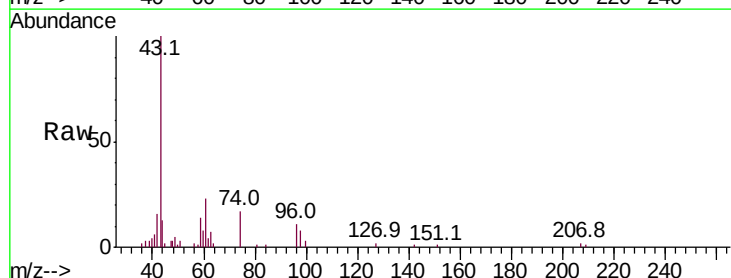
Acq: 10 Sep 2018 12:40

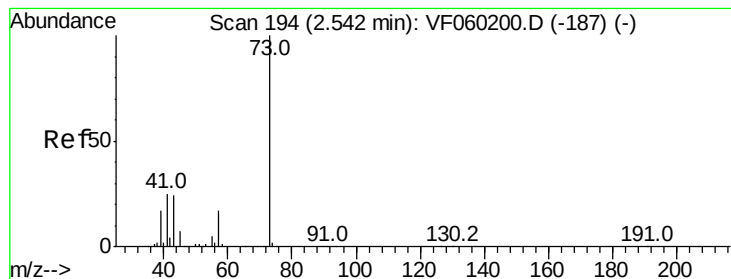
Tgt Ion: 43 Resp: 22867

Ion Ratio Lower Upper

43 100

74 17.2 11.9 17.9



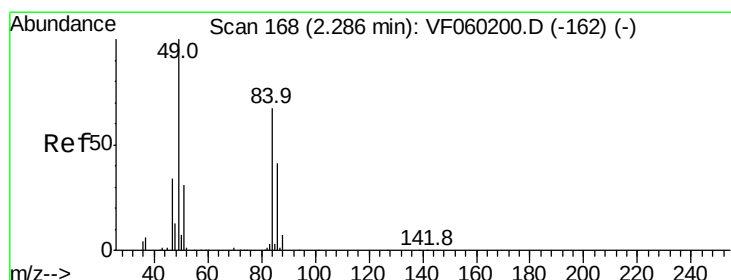
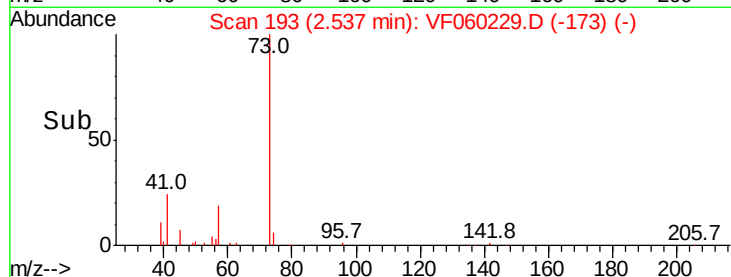
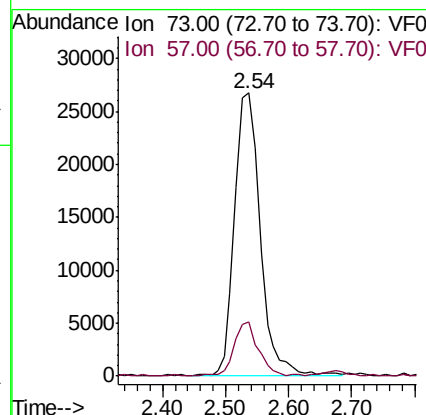
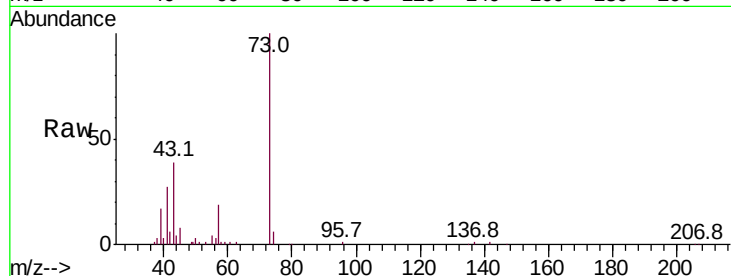


#19

Methyl tert-butyl Ether
 Concen: 21.848 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBS01

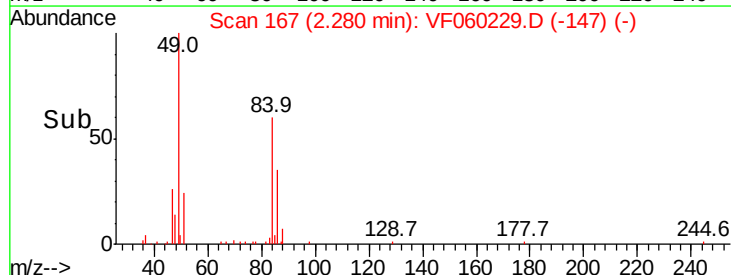
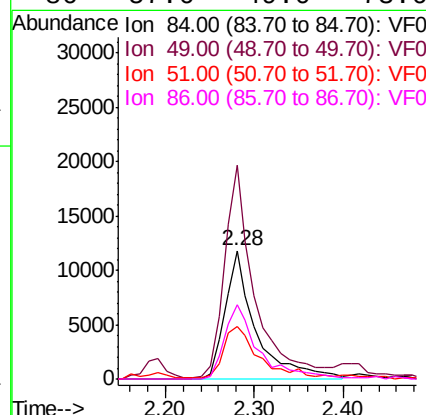
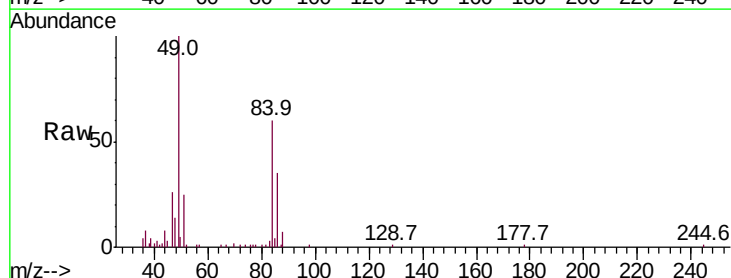
Tot Ion: 73 Resp: 75821
 Ion Ratio Lower Upper
 73 100
 57 19.4 14.3 21.5

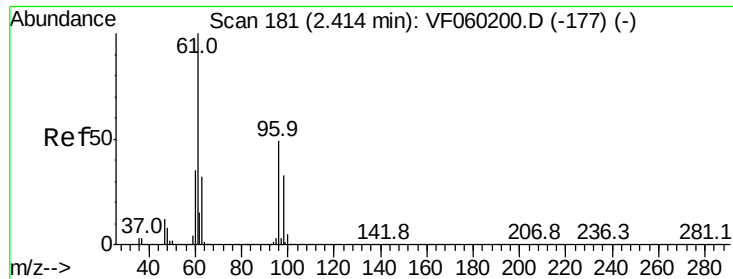


#20

Methylene Chloride
 Concen: 17.050 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion: 84 Resp: 28548
 Ion Ratio Lower Upper
 84 100
 49 166.5 120.1 180.1
 51 41.0 37.0 55.6
 86 57.6 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 25.494 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBSD01

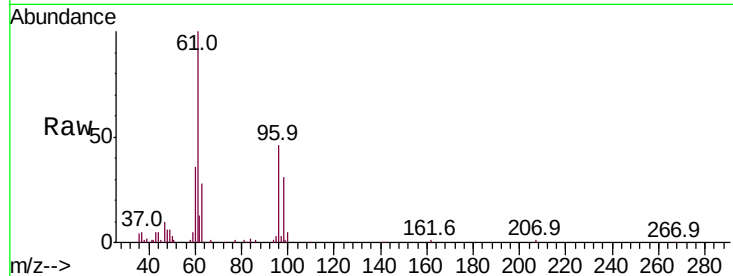
Tot Ion: 96 Resp: 27363

Ion Ratio Lower Upper

96 100

61 215.7 163.1 244.7

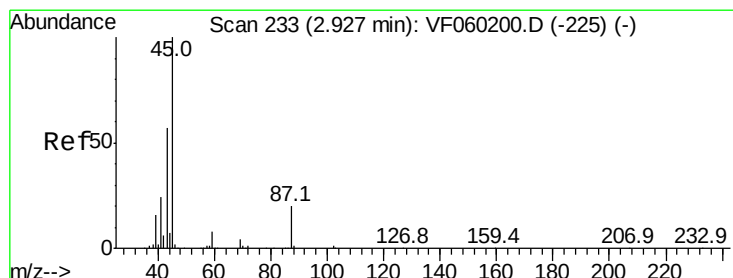
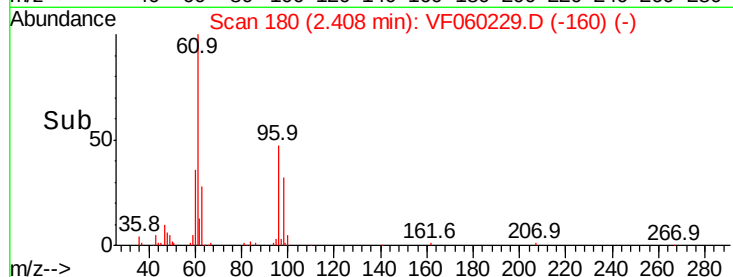
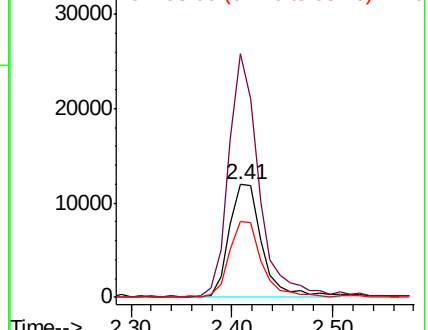
98 67.8 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.348 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Tgt Ion: 45 Resp: 88110

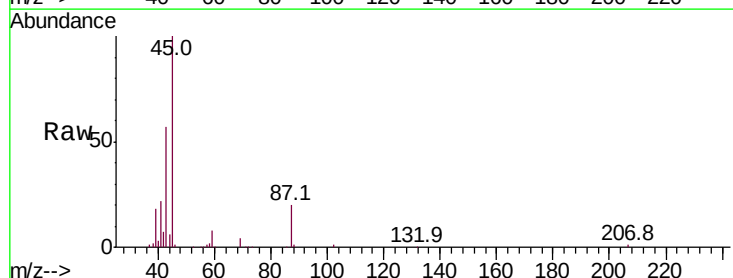
Ion Ratio Lower Upper

45 100

43 57.3 46.2 69.4

87 20.1 16.1 24.1

59 8.0 6.5 9.7

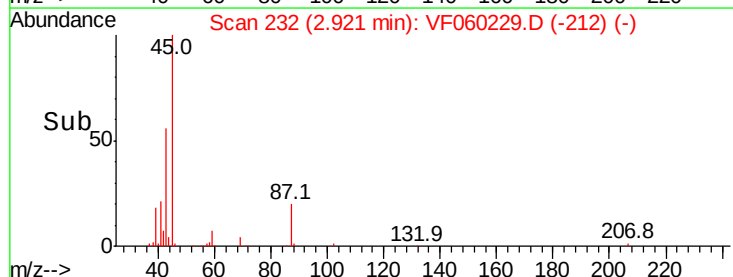
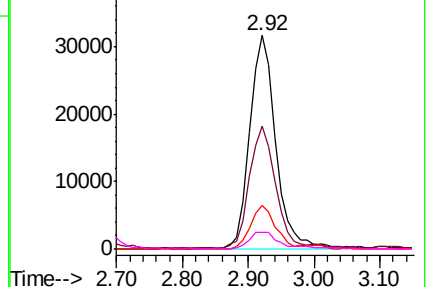


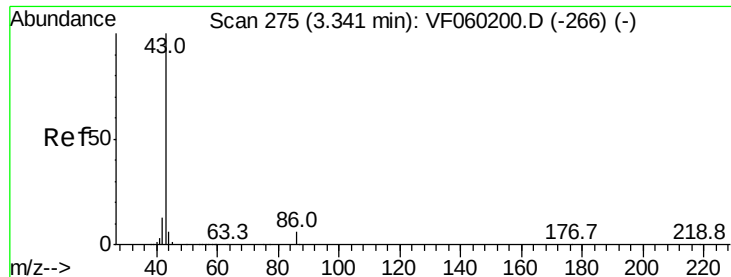
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 93.393 ug/l

RT: 3.33 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

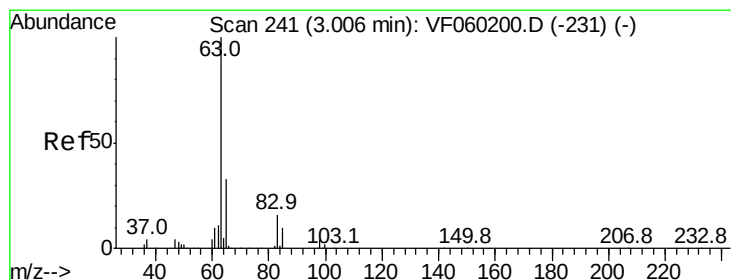
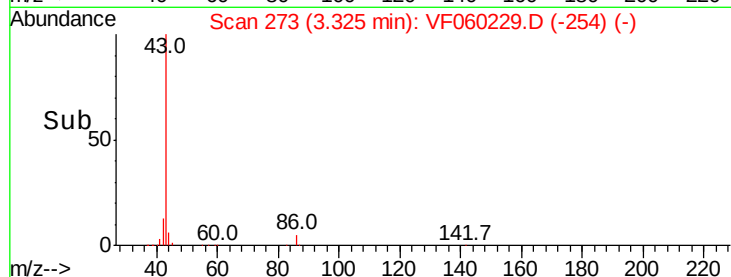
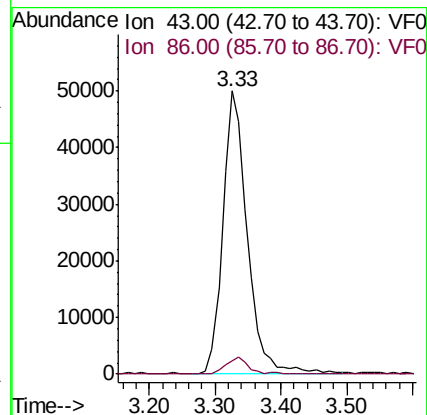
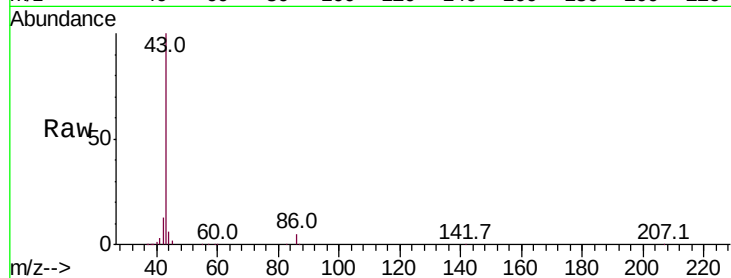
VF0910SBSD01

Tot Ion: 43 Resp: 129175

Ion Ratio Lower Upper

43 100

86 4.9 4.8 7.2



#24

1,1-Dichloroethane

Concen: 27.660 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

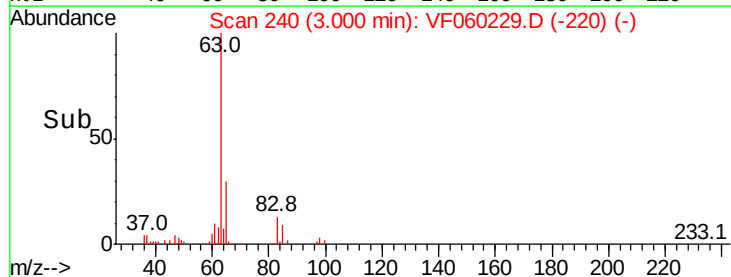
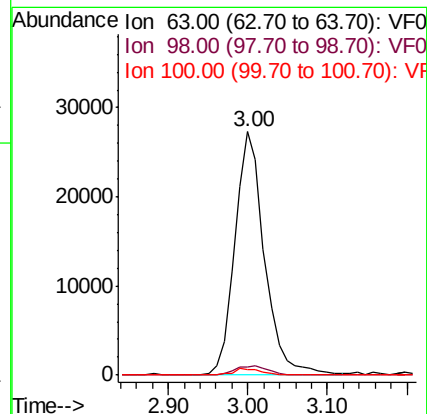
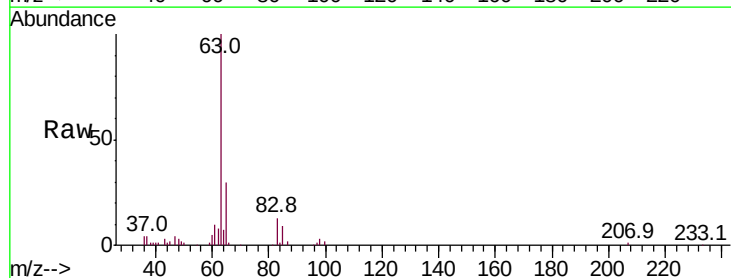
Tgt Ion: 63 Resp: 70934

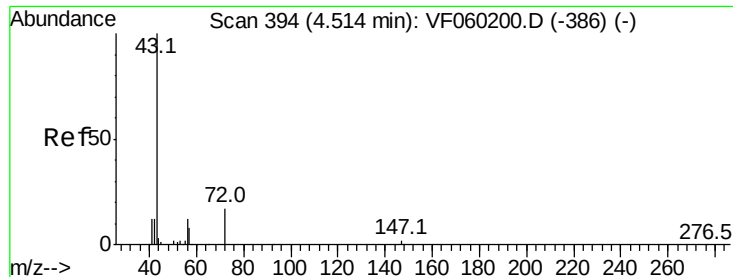
Ion Ratio Lower Upper

63 100

98 3.3 1.9 5.7

100 2.4 1.1 3.1





#25

2-Butanone

Concen: 92.517 ug/l

RT: 4.51 min Scan# 393

Delta R.T. -0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

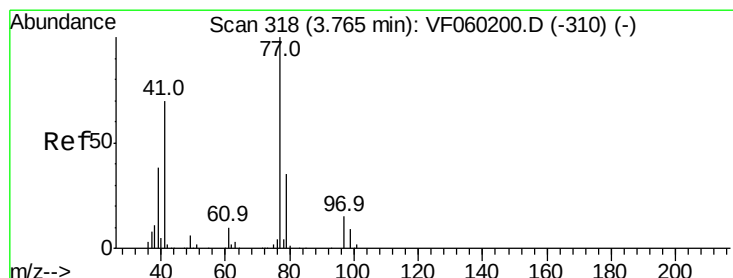
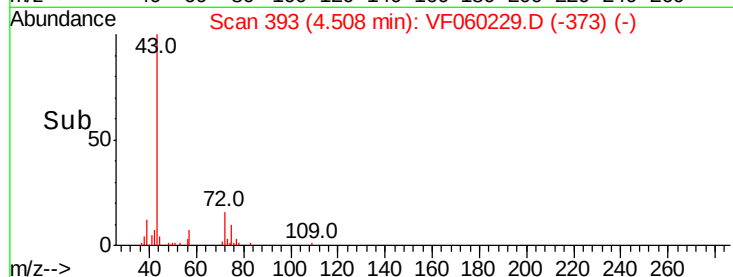
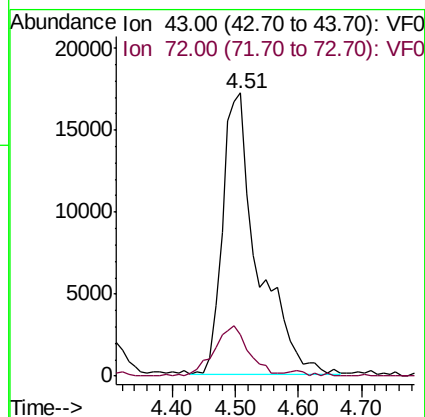
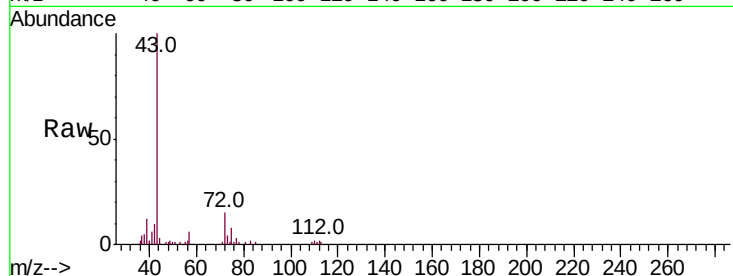
VF0910SBSD01

Tot Ion: 43 Resp: 66296

Ion Ratio Lower Upper

43 100

72 14.6 14.8 22.2#



#26

2,2-Dichloropropane

Concen: 21.485 ug/l

RT: 3.76 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF060229.D

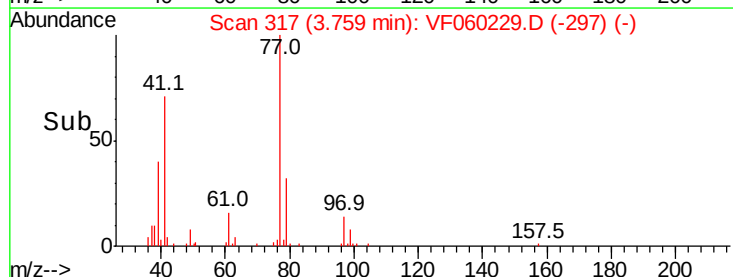
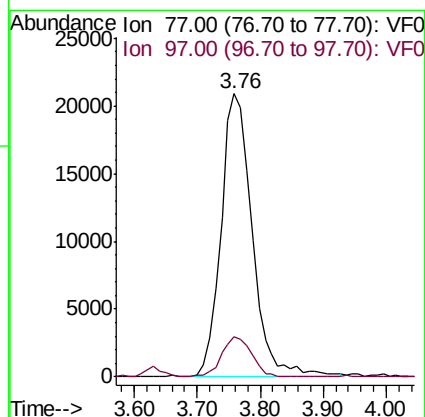
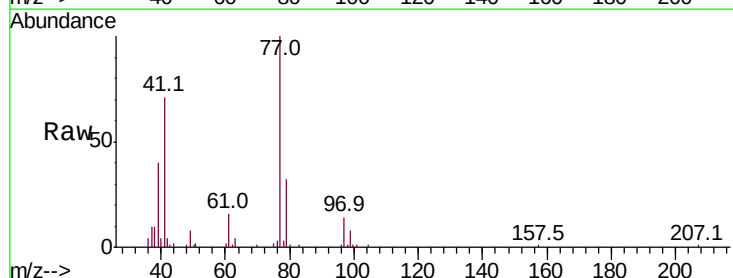
Acq: 10 Sep 2018 12:40

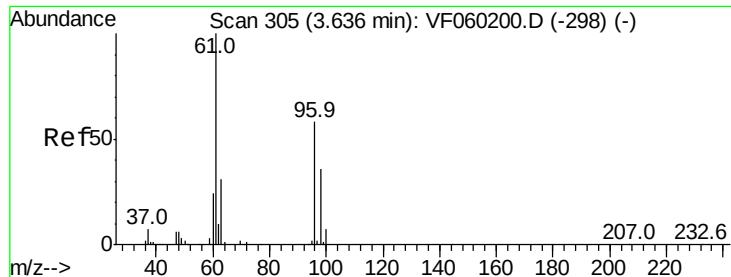
Tgt Ion: 77 Resp: 72186

Ion Ratio Lower Upper

77 100

97 14.4 7.5 22.5





#27

cis-1,2-Dichloroethene

Concen: 24.748 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

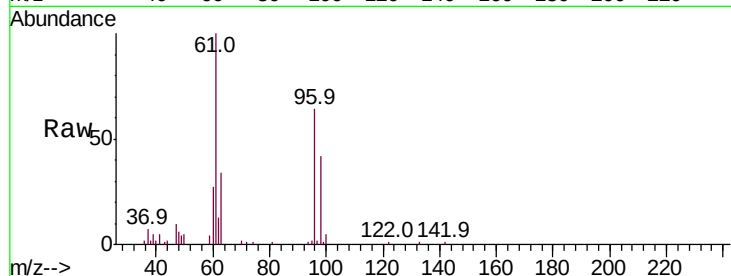
MSVOA_F

ClientSampleId :

VF0910SBS01

Tot Ion: 96 Resp: 34670

Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	345.2
98	66.2	0.0	124.6



Abundance

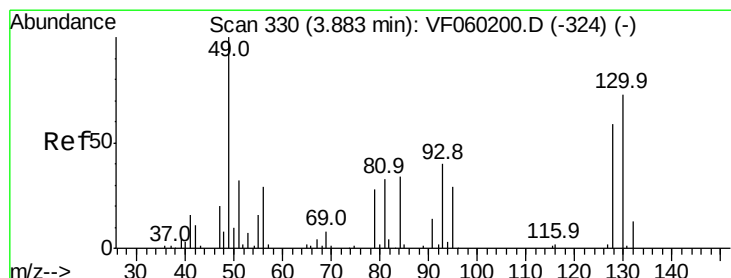
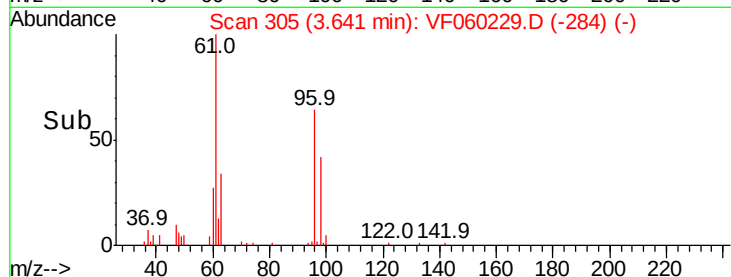
Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

3.64

Time-->



#28

Bromochloromethane

Concen: 24.621 ug/l

RT: 3.89 min Scan# 330

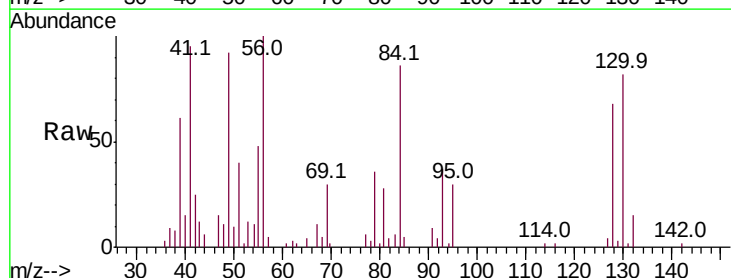
Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Tgt Ion: 49 Resp: 21503

Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	0.0#
130	88.7	57.8	86.6#



Abundance

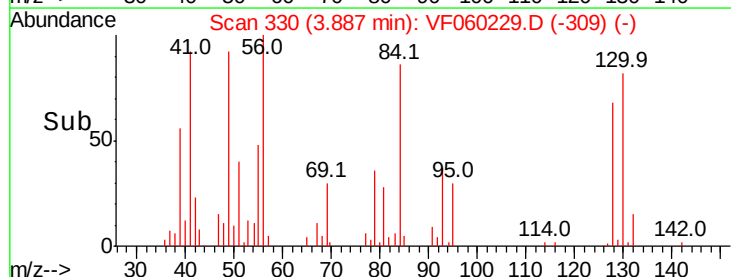
Ion 49.00 (48.70 to 49.70): VF0

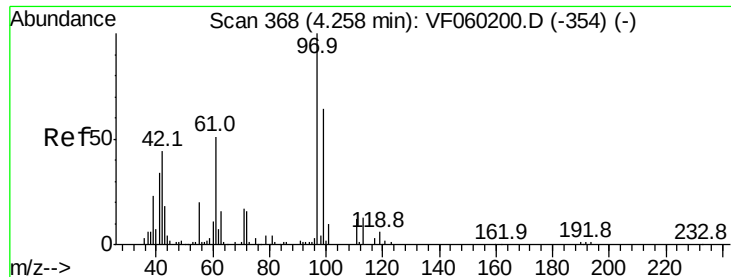
Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

3.89

Time-->





#29

Tetrahydrofuran

Concen: 102.513 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.02 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

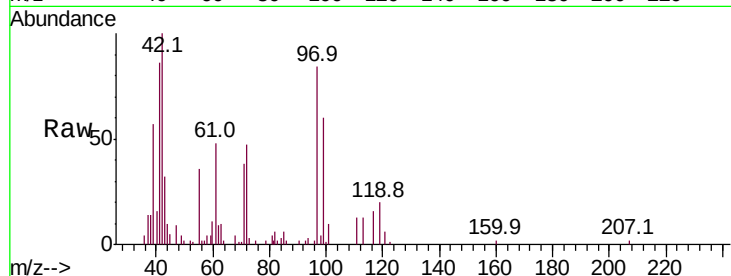
Tot Ion: 42 Resp: 24285

Ion Ratio Lower Upper

42 100

72 37.6 27.4 41.0

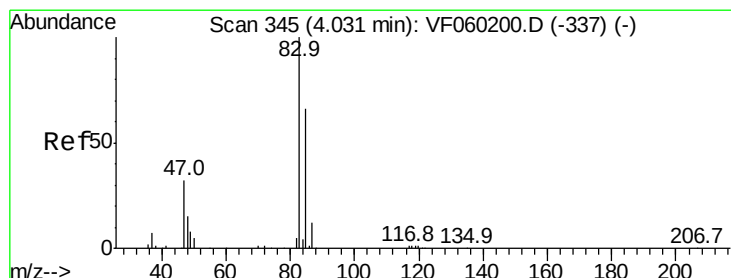
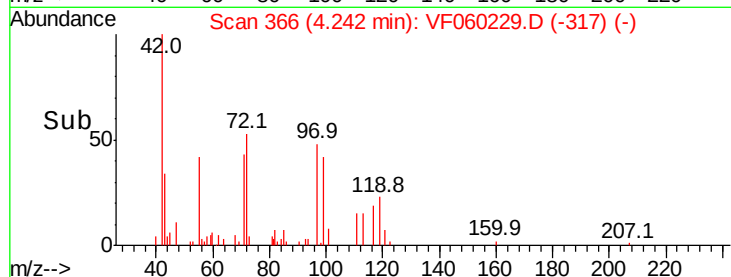
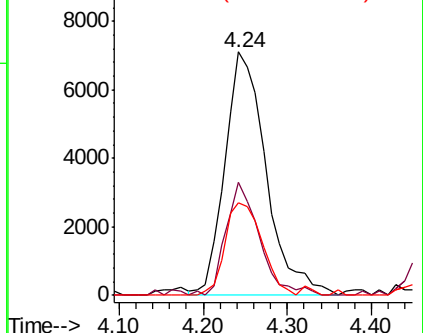
71 34.0 28.5 42.7



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: 23.210 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.00 min

Lab File: VF060229.D

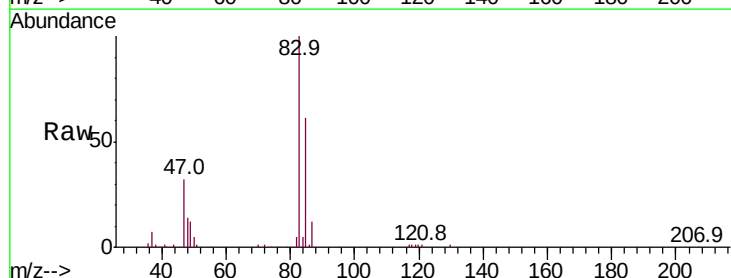
Acq: 10 Sep 2018 12:40

Tgt Ion: 83 Resp: 87196

Ion Ratio Lower Upper

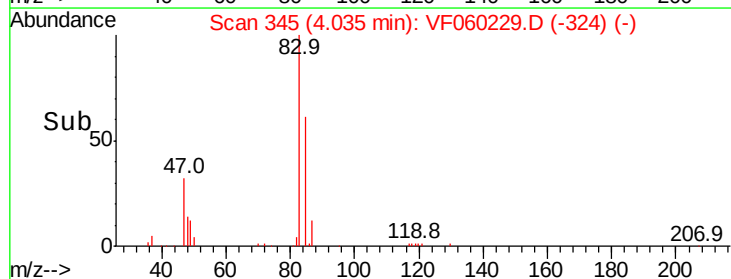
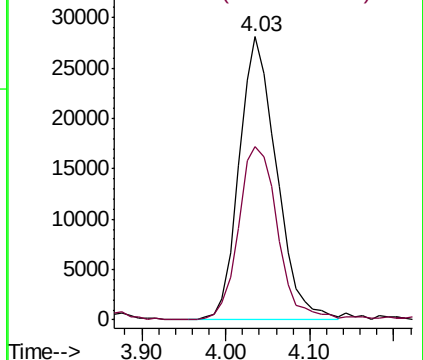
83 100

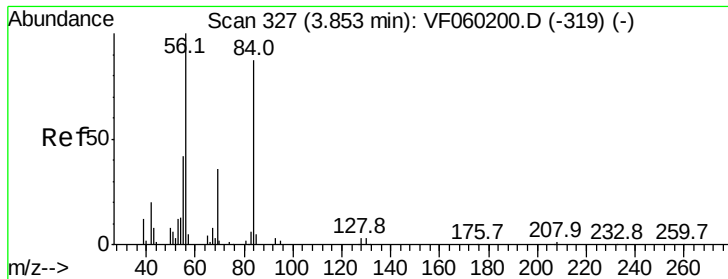
85 61.1 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.467 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

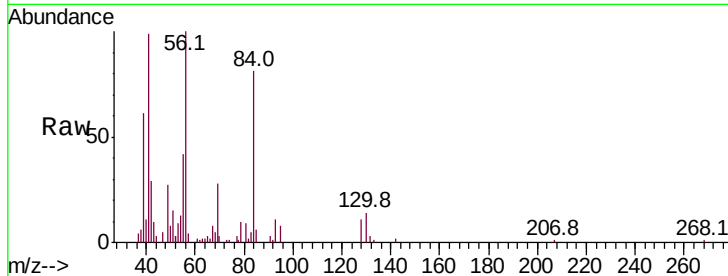
Tot Ion: 56 Resp: 39416

Ion Ratio Lower Upper

56 100

69 27.5 28.7 43.1#

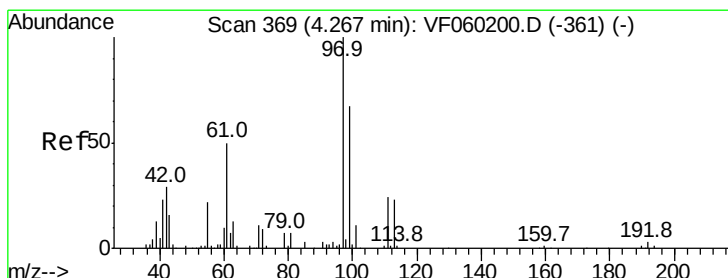
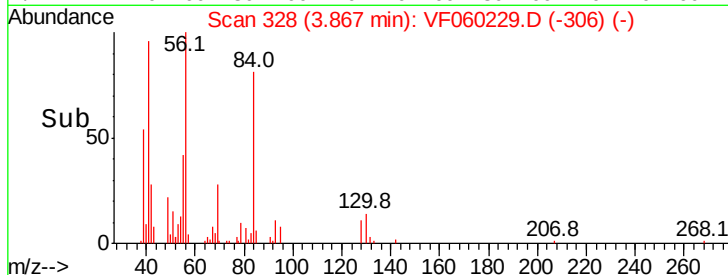
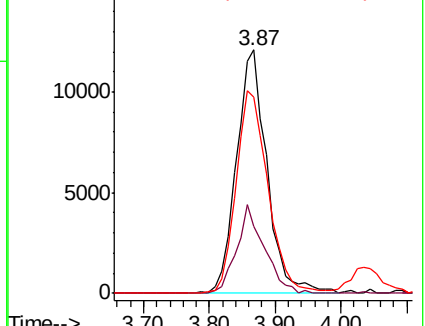
84 80.7 69.7 104.5



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: 22.477 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

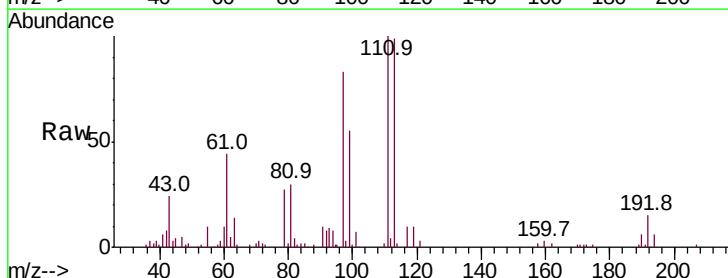
Tgt Ion: 97 Resp: 84124

Ion Ratio Lower Upper

97 100

99 66.4 53.5 80.3

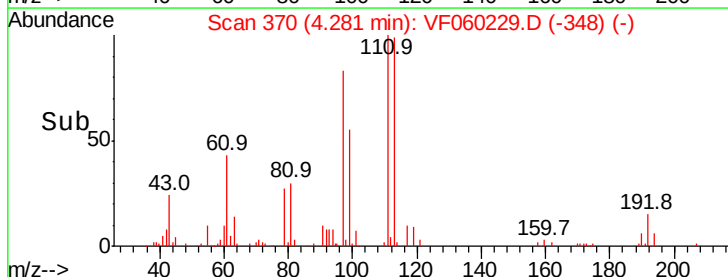
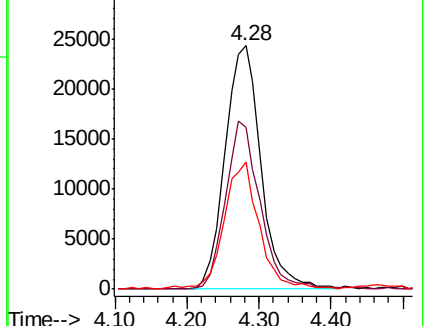
61 52.4 40.4 60.6

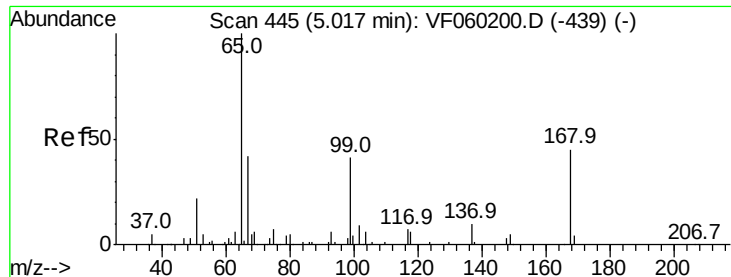


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.803 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

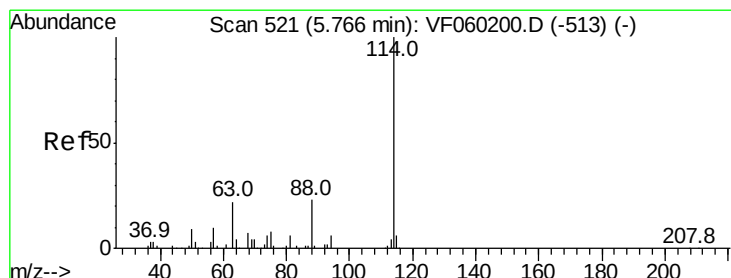
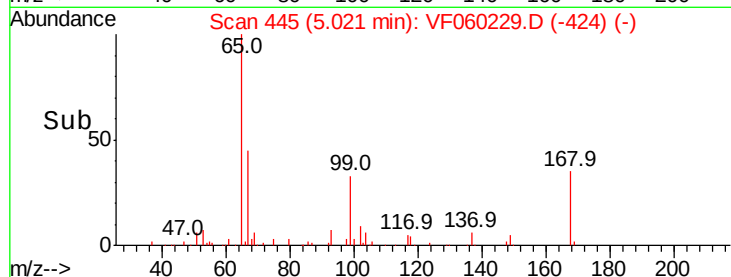
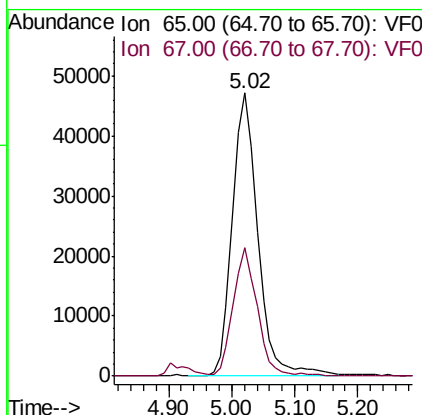
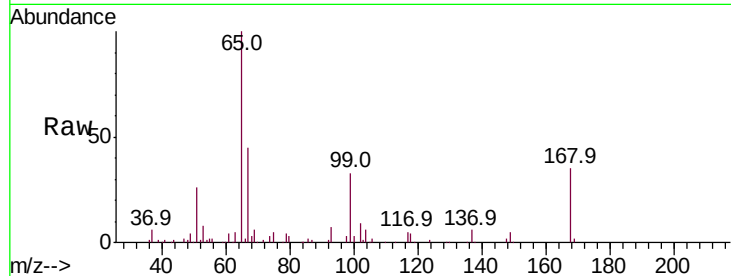
Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :
MSVOA_F
ClientSampleId :
VF0910SBSD01

Tot Ion: 65 Resp: 132074

Ion	Ratio	Lower	Upper
65	100		
67	45.3	0.0	87.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 521

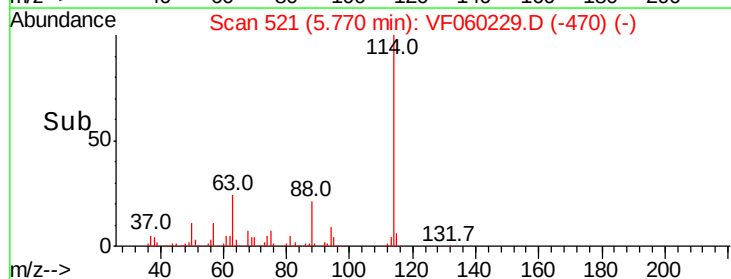
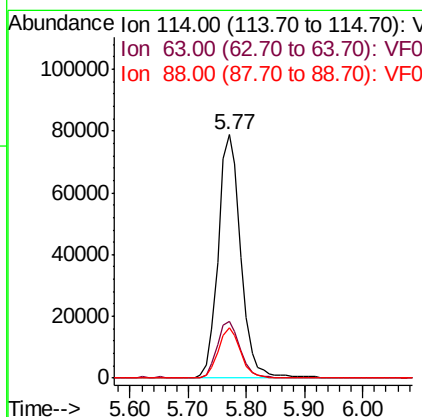
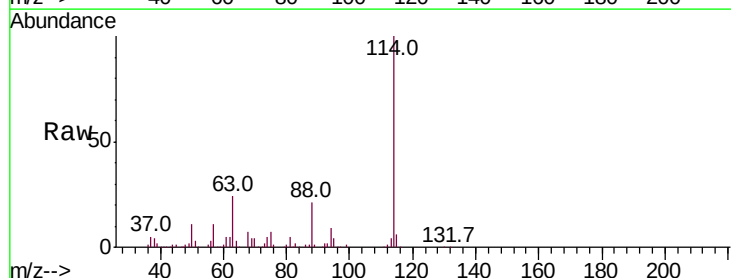
Delta R.T. 0.00 min

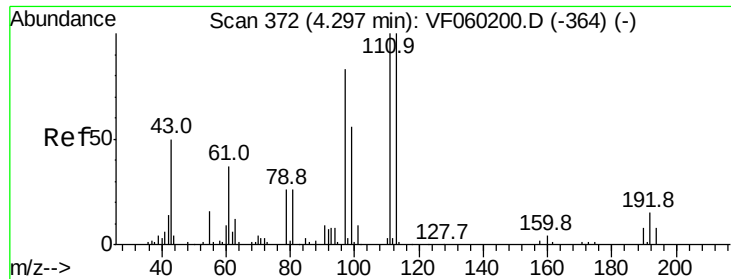
Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Tgt Ion: 114 Resp: 211859

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	45.6
88	20.9	0.0	46.4





#35

Dibromofluoromethane

Concen: 51.200 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

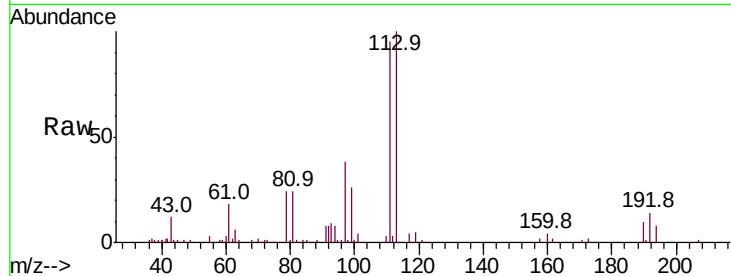
Tot Ion:113 Resp: 106273

Ion Ratio Lower Upper

113 100

111 94.6 80.2 120.2

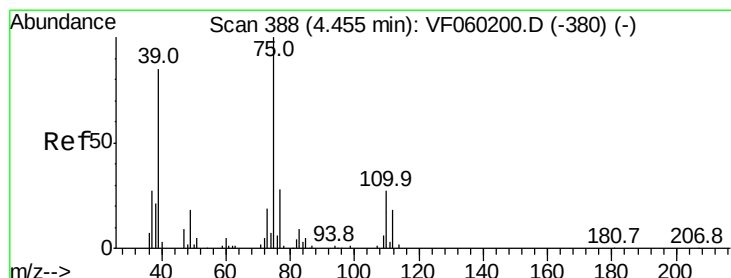
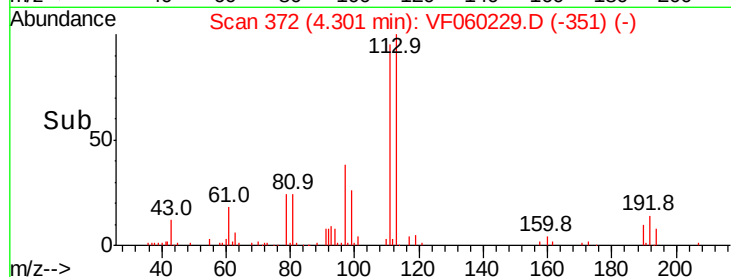
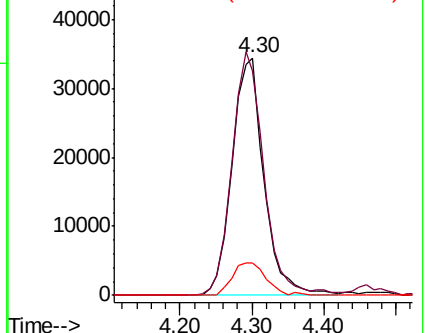
192 13.9 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.356 ug/l

RT: 4.46 min Scan# 388

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

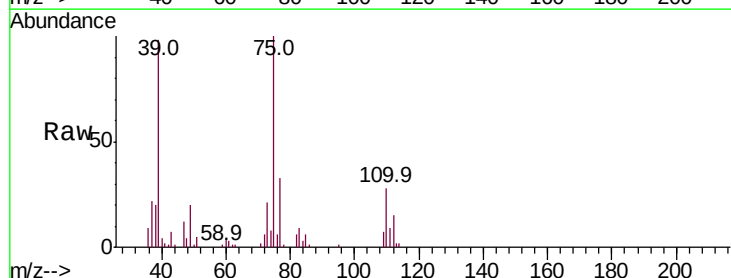
Tgt Ion: 75 Resp: 50758

Ion Ratio Lower Upper

75 100

110 28.4 13.6 40.7

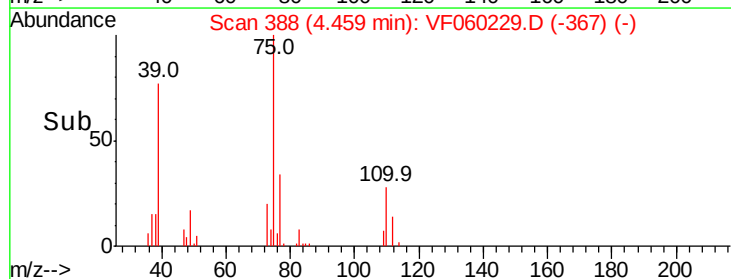
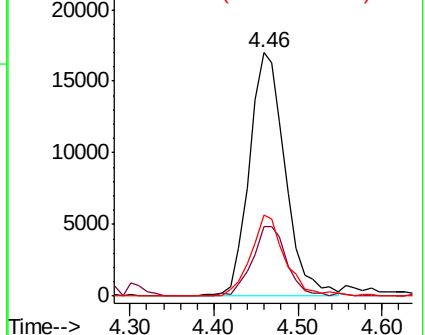
77 33.5 22.7 34.1

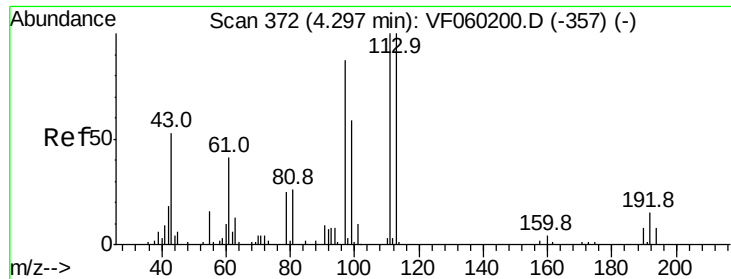


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

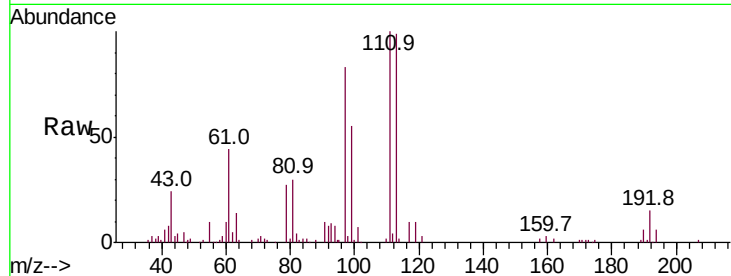




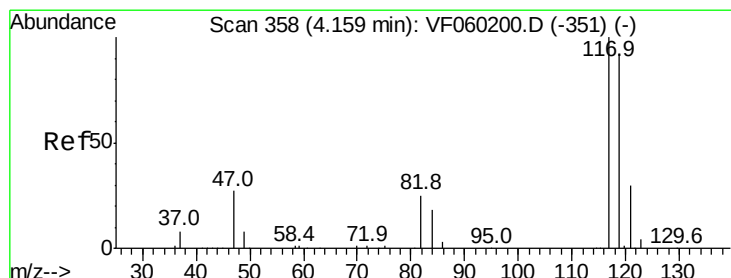
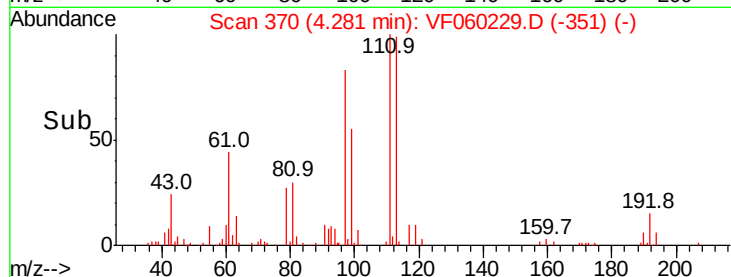
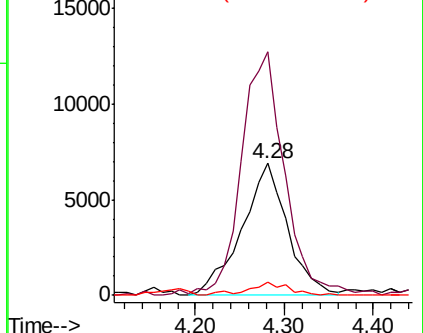
#37
Ethyl Acetate
Concen: 17.558 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Instrument :
MSVOA_F
ClientSampleId :
VF0910SBSD01

Tot Ion	43	Resp	24454
Ion Ratio	100		
Lower	61.6		
Upper	92.4		
70	10.5	6.9	10.3

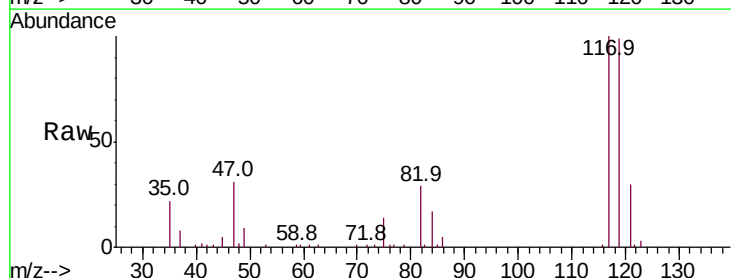


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

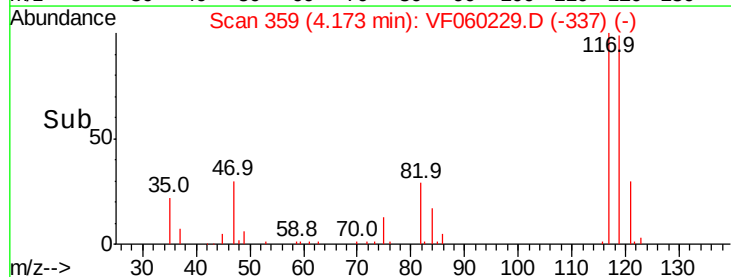
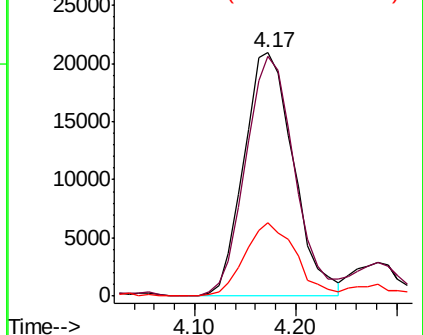


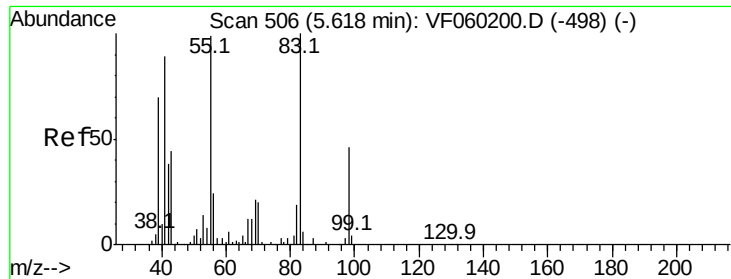
#38
Carbon Tetrachloride
Concen: 20.954 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion	117	Resp	71834
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower	73.0		
Upper	109.6		
119	98.6	23.9	35.9
121	30.4		



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

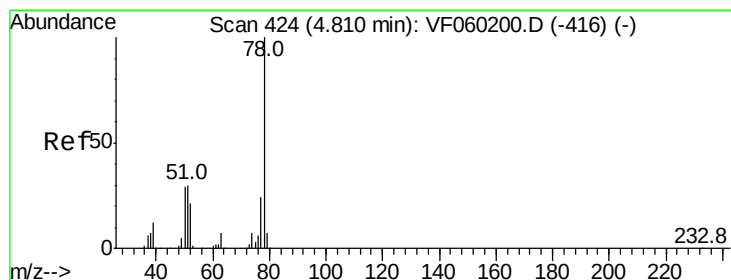
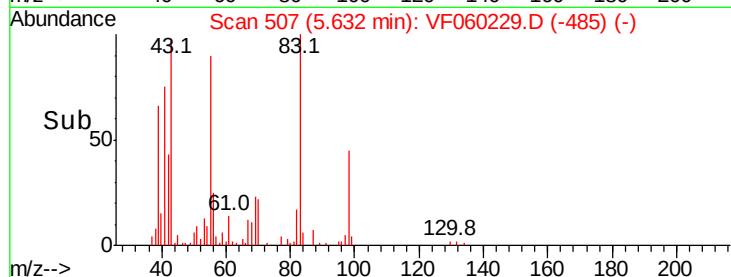
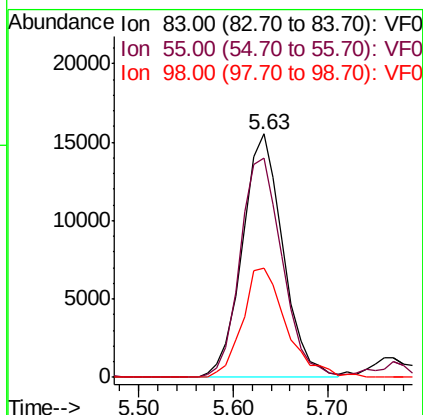
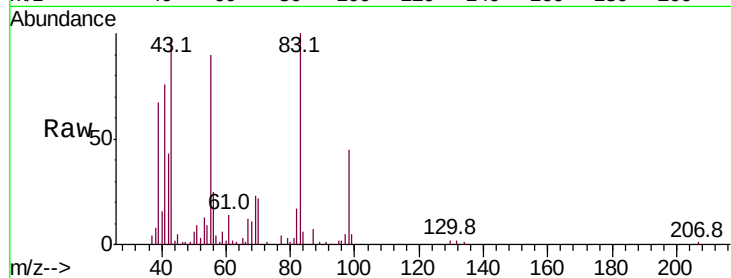




#39
Methylvlcyclohexane
Concen: 22.181 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

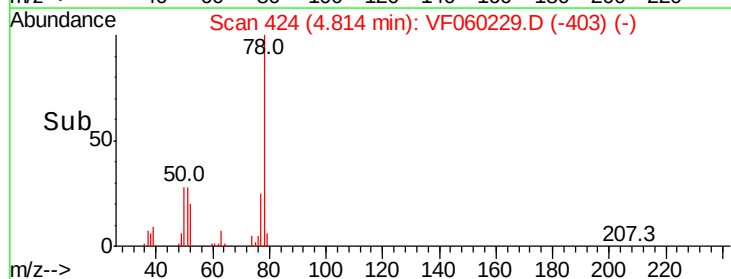
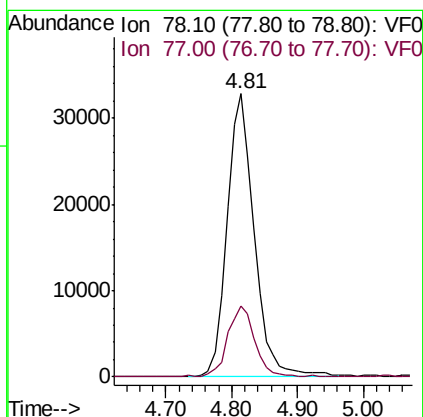
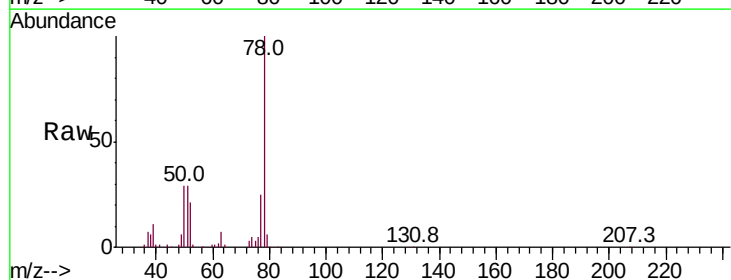
Instrument :
MSVOA_F
ClientSampleId :
VF0910SBS01

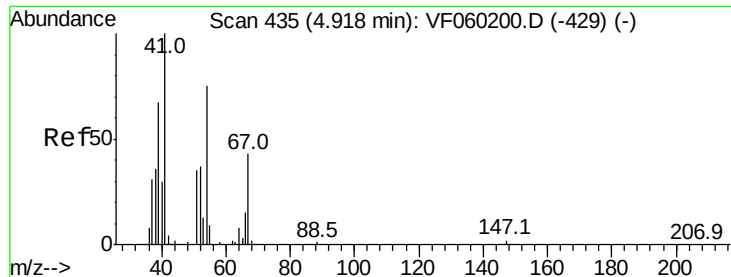
Tot Ion: 83 Resp: 46335
Ion Ratio Lower Upper
83 100
55 90.1 79.0 118.4
98 44.9 36.7 55.1



#40
Benzene
Concen: 21.312 ug/l
RT: 4.81 min Scan# 424
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion: 78 Resp: 94683
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.4

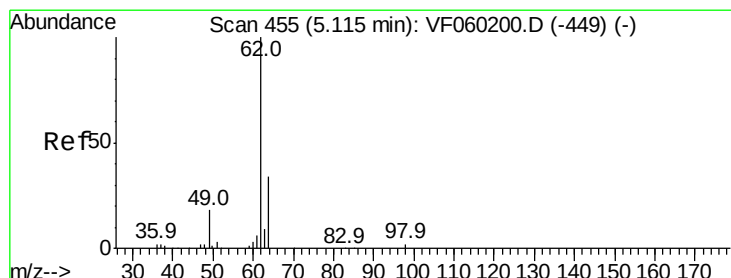
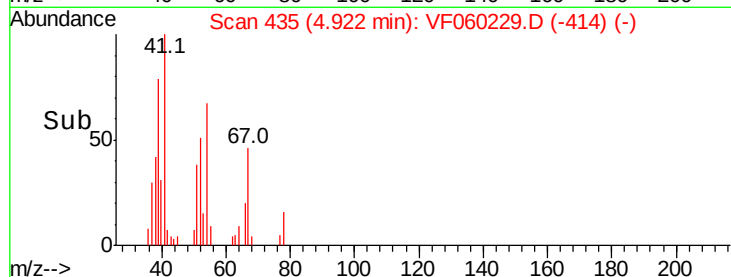
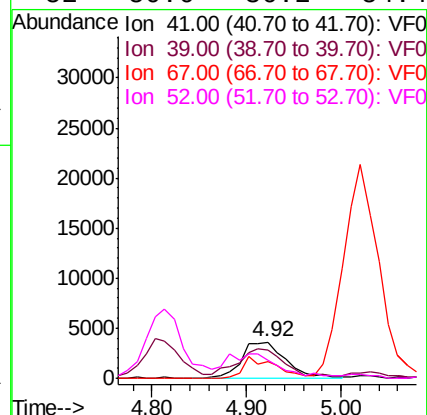
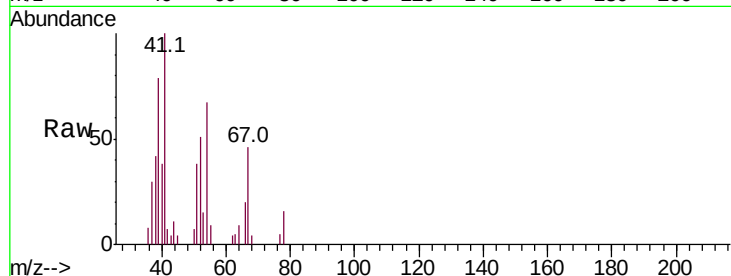




#41
Methacrylonitrile
Concen: 18.196 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

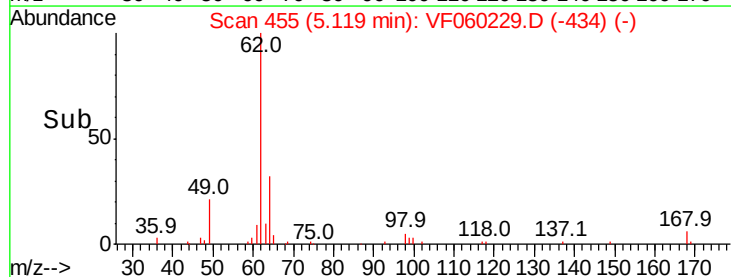
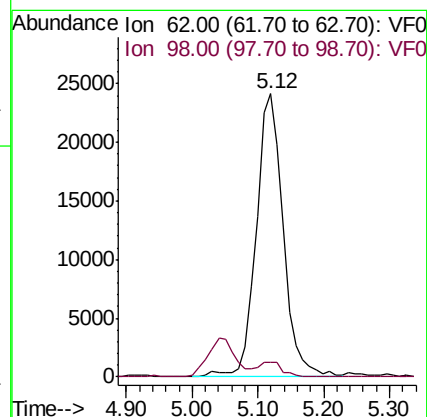
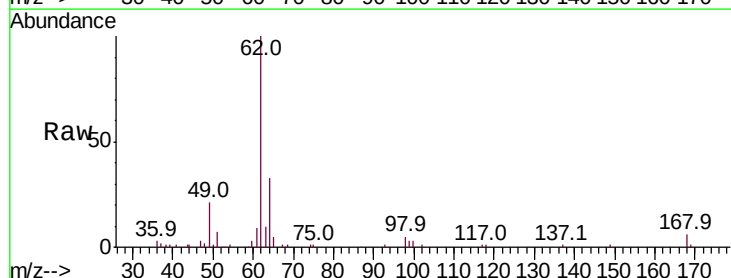
Instrument :
MSVOA_F
ClientSampleId :
VF0910SBSD01

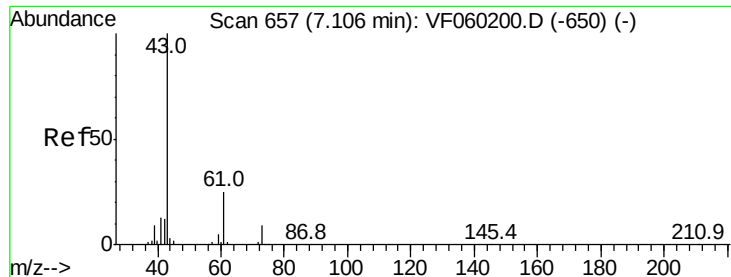
Tot Ion:	41	Resp:	11802
Ion	Ratio	Lower	Upper
41	100		
39	79.2	57.4	86.2
67	45.7	34.6	52.0
52	50.6	36.2	54.4



#42
1,2-Dichloroethane
Concen: 21.673 ug/l
RT: 5.12 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion:	62	Resp:	69588
Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	8.8

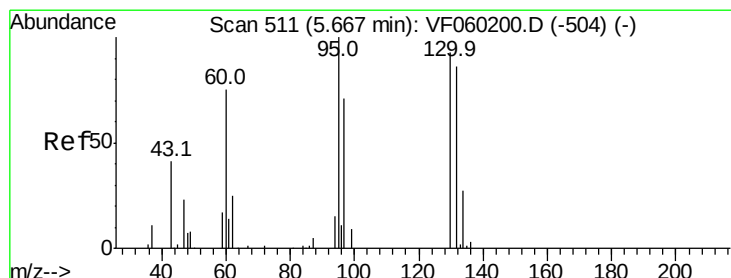
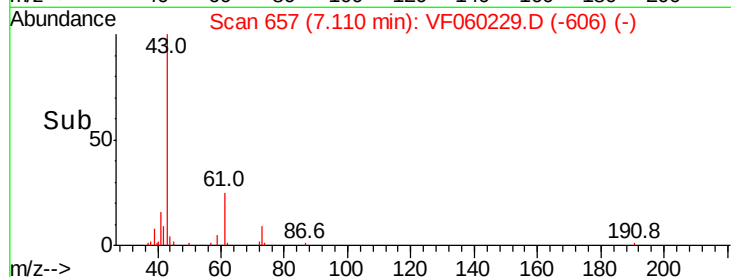
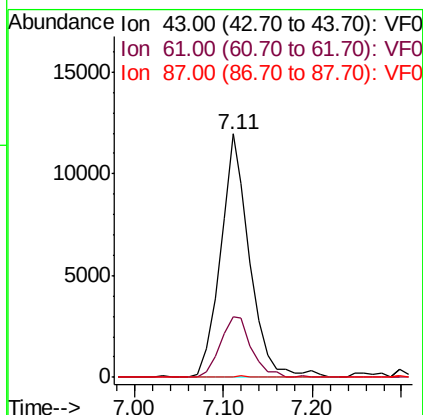
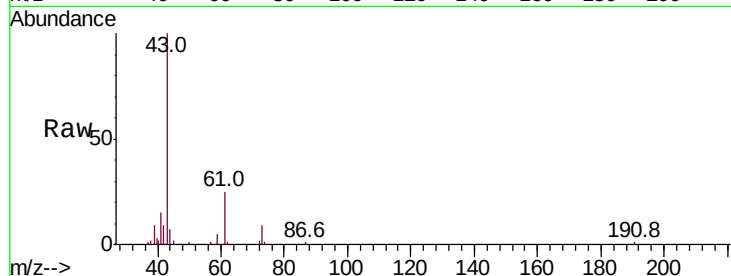




#43
Isopropyl Acetate
Concen: 18.728 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

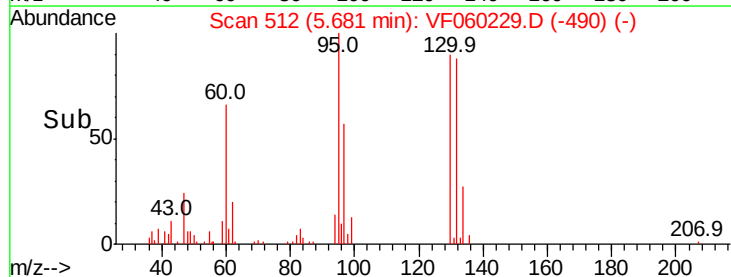
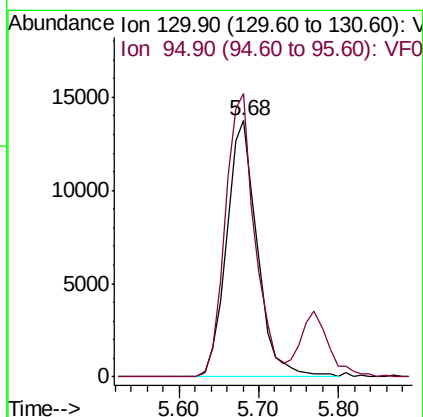
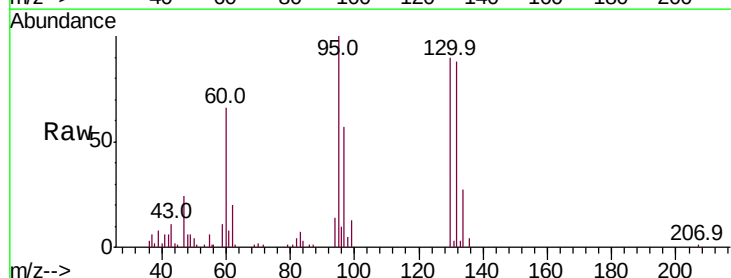
Instrument :
MSVOA_F
ClientSampleId :
VF0910SBSD01

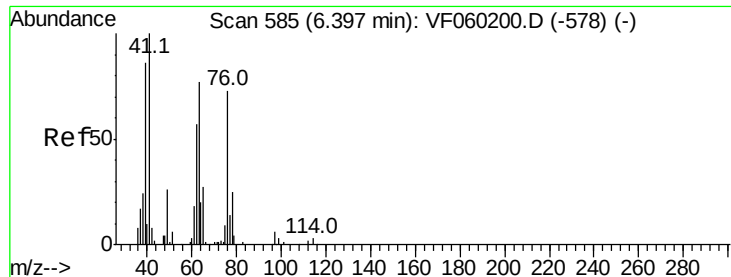
Tot Ion: 43 Resp: 27163
Ion Ratio Lower Upper
43 100
61 25.1 19.9 29.9
87 0.0 0.4 0.6#



#44
Trichloroethene
Concen: 20.547 ug/l
RT: 5.68 min Scan# 512
Delta R.T. 0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion:130 Resp: 36973
Ion Ratio Lower Upper
130 100
95 110.5 0.0 215.4

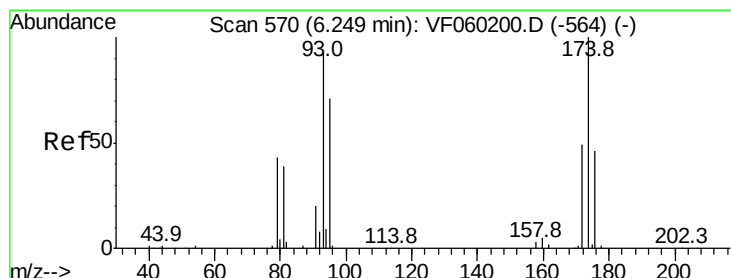
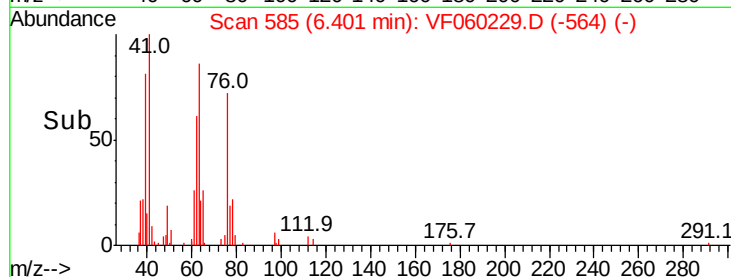
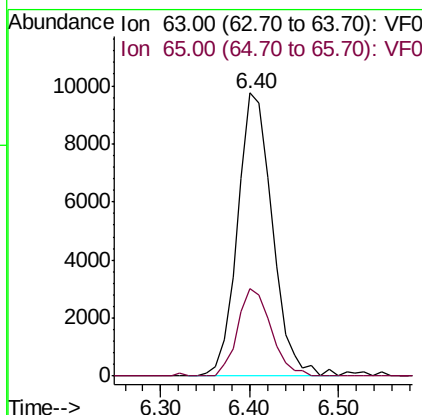
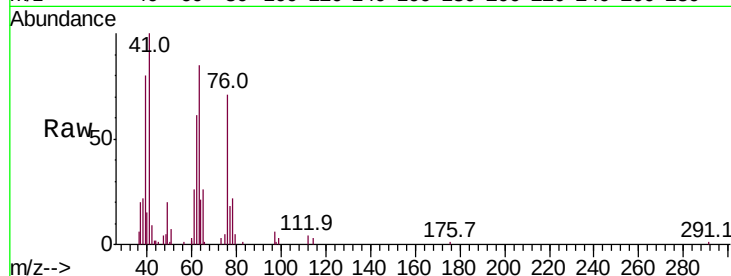




#45
 1,2-Dichloropropane
 Concen: 20.910 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

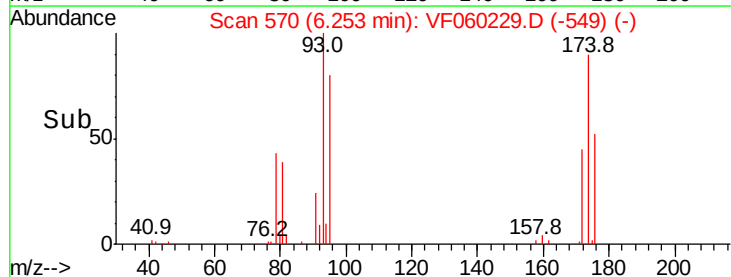
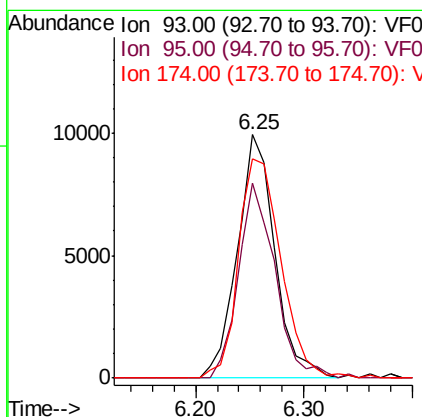
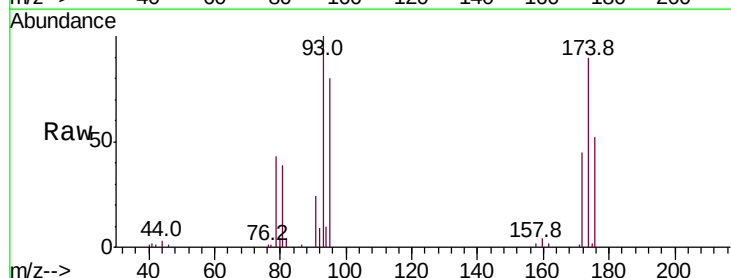
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBSD01

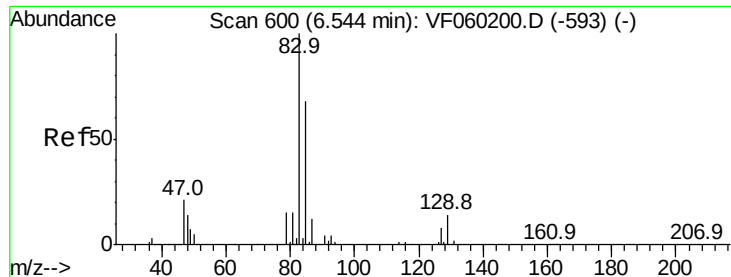
Tot Ion: 63 Resp: 26404
 Ion Ratio Lower Upper
 63 100
 65 31.8 27.9 41.9



#46
 Dibromomethane
 Concen: 21.559 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion: 93 Resp: 23970
 Ion Ratio Lower Upper
 93 100
 95 80.1 61.4 92.2
 174 92.1 85.9 128.9





#47

Bromodichloromethane

Concen: 20.989 ug/l

RT: 6.55 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

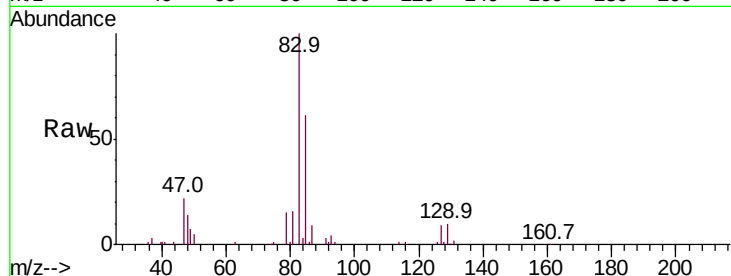
Tot Ion: 83 Resp: 63342

Ion Ratio Lower Upper

83 100

85 60.5 54.0 81.0

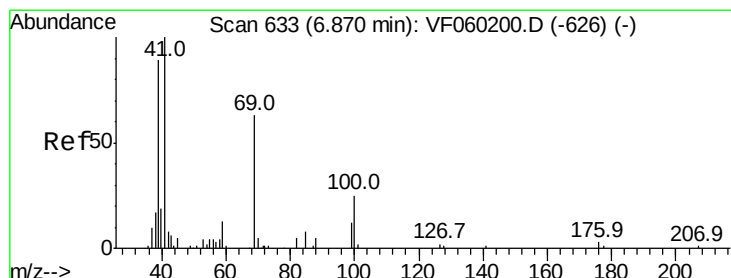
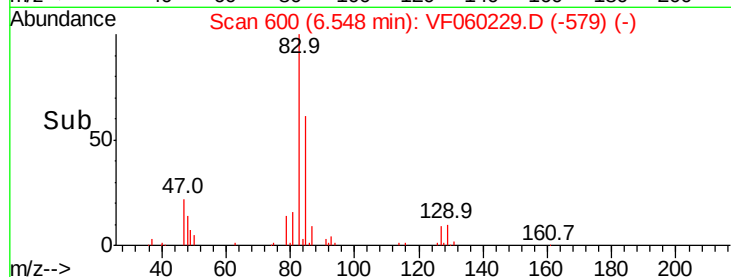
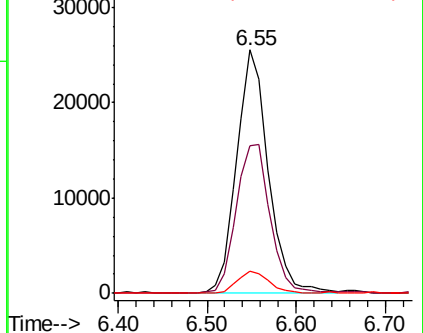
127 9.2 6.6 9.8



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: 18.493 ug/l

RT: 6.87 min Scan# 633

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

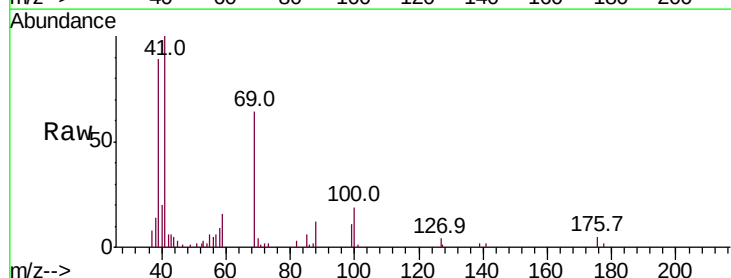
Tgt Ion: 41 Resp: 21307

Ion Ratio Lower Upper

41 100

69 63.7 50.4 75.6

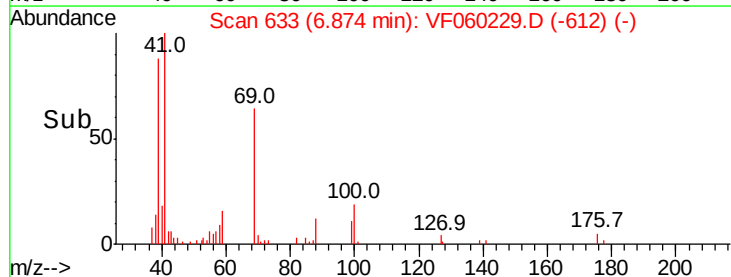
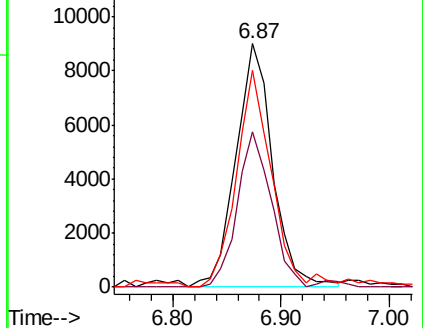
39 89.1 70.6 106.0

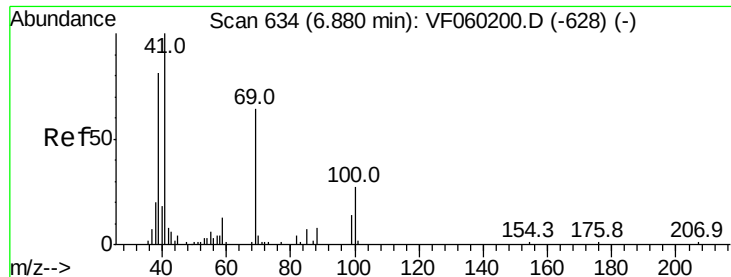


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 181.342 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.02 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

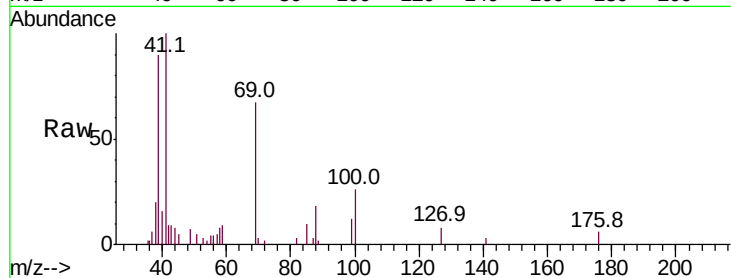
Tot Ion: 88 Resp: 3070

Ion Ratio Lower Upper

88 100

43 52.3 68.1 102.1#

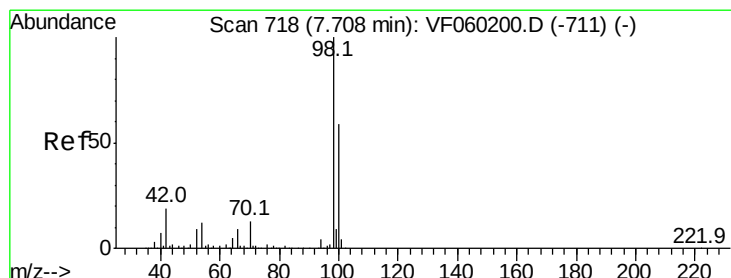
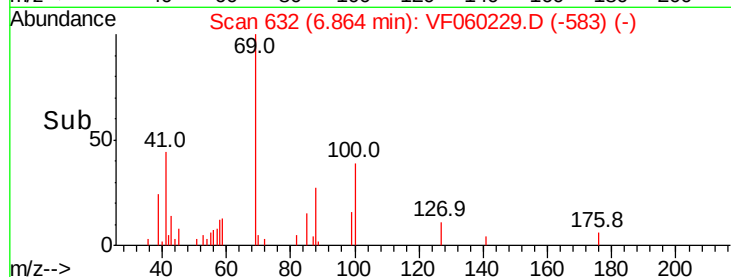
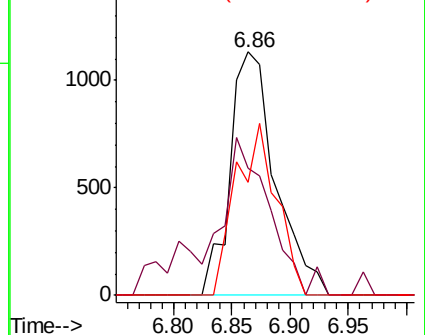
58 46.7 38.1 57.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.426 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060229.D

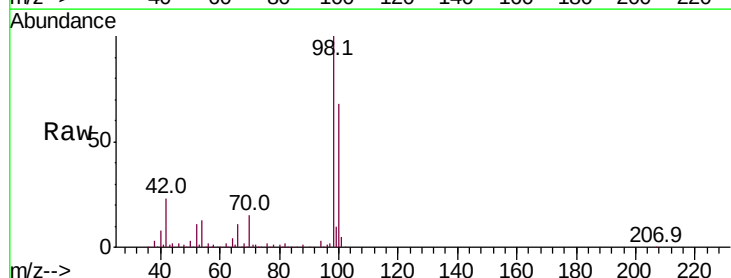
Acq: 10 Sep 2018 12:40

Tgt Ion: 98 Resp: 245650

Ion Ratio Lower Upper

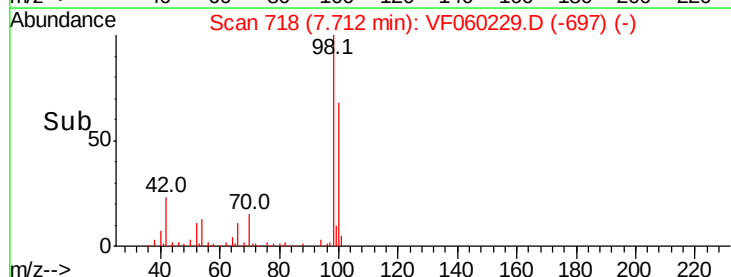
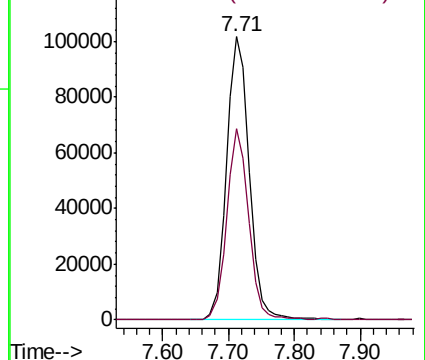
98 100

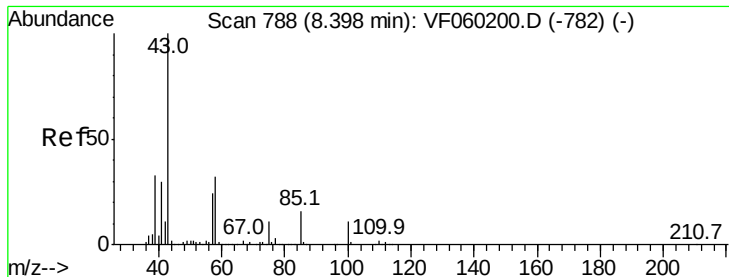
100 67.8 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 107.133 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

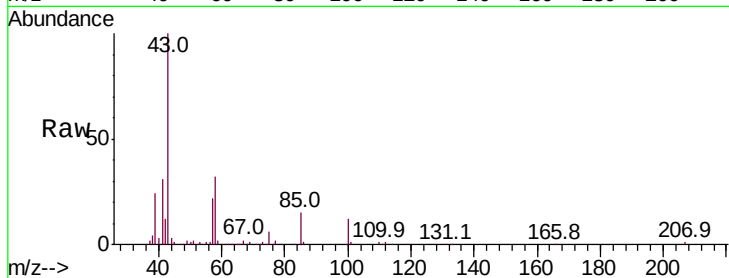
VF0910SBSD01

Tot Ion: 43 Resp: 138056

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

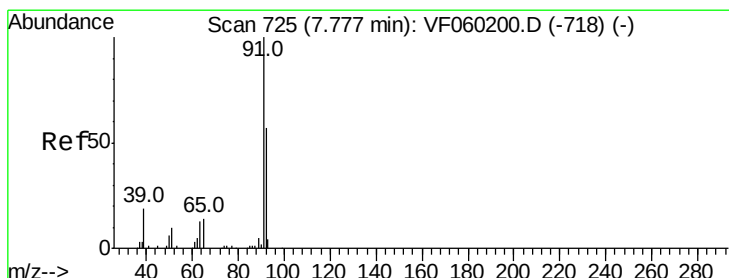
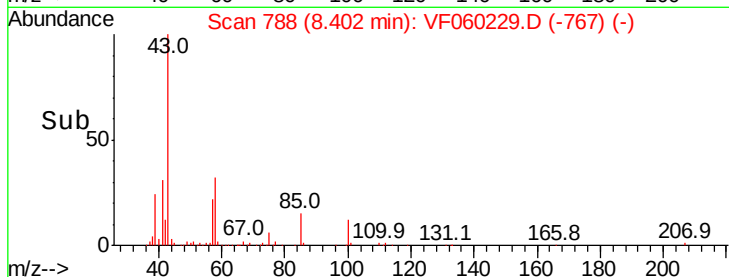
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 21.015 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060229.D

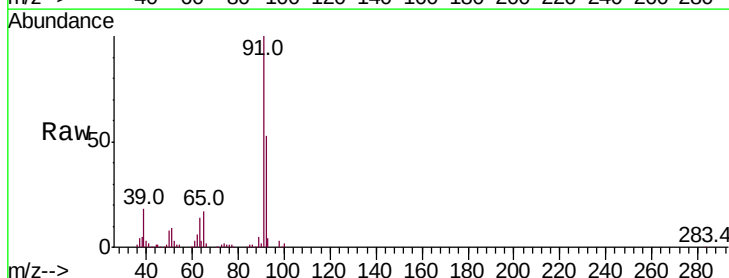
Acq: 10 Sep 2018 12:40

Tgt Ion: 92 Resp: 72306

Ion Ratio Lower Upper

92 100

91 187.8 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

50000

40000

30000

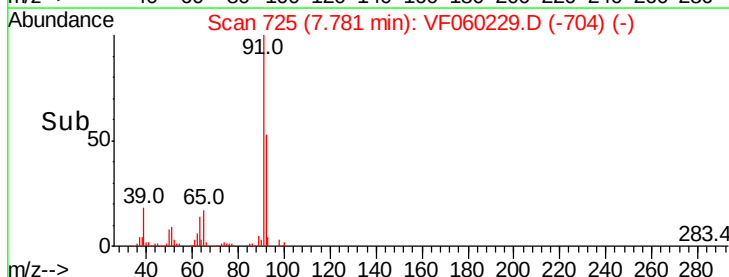
20000

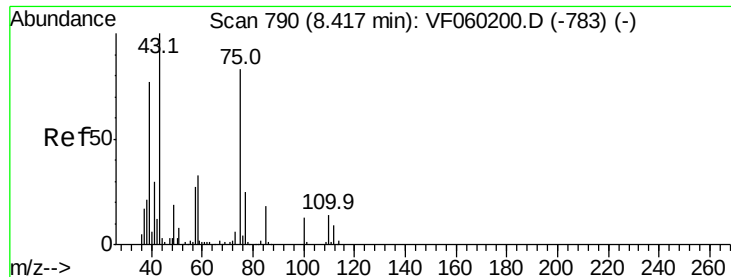
10000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.775 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

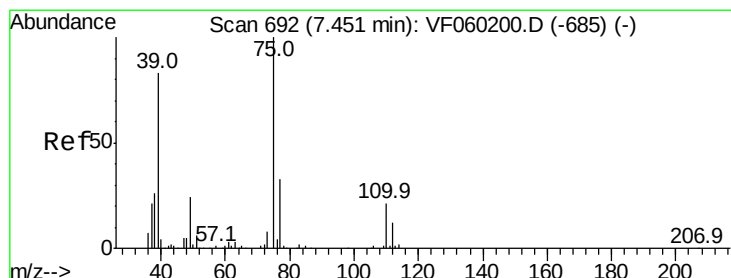
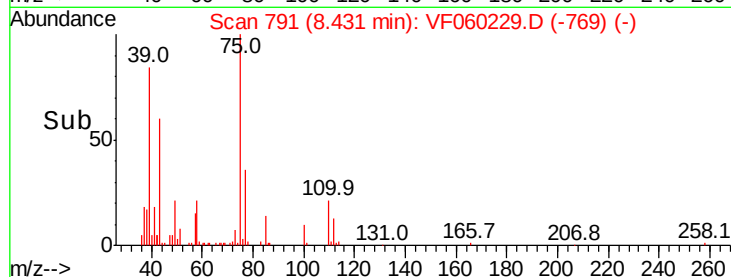
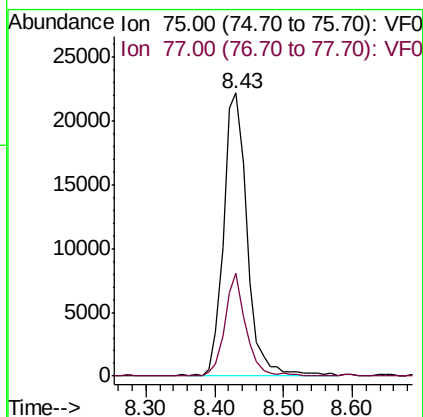
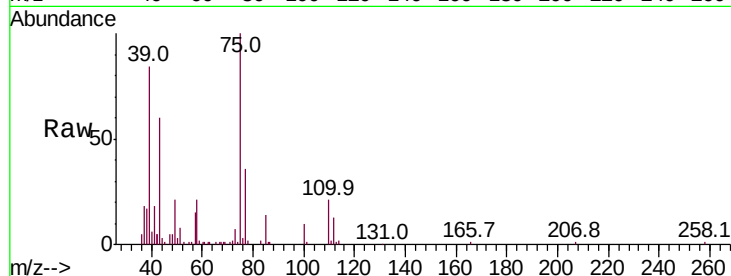
VF0910SBSD01

Tot Ion: 75 Resp: 52680

Ion Ratio Lower Upper

75 100

77 36.4 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 19.269 ug/l

RT: 7.47 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

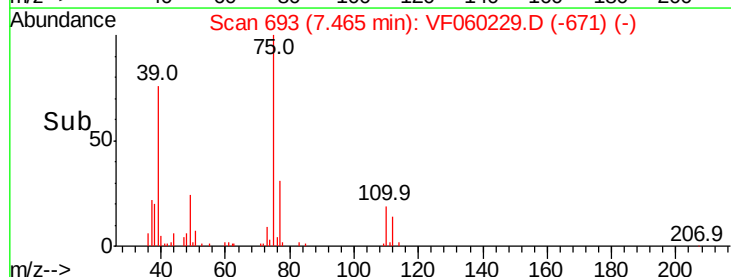
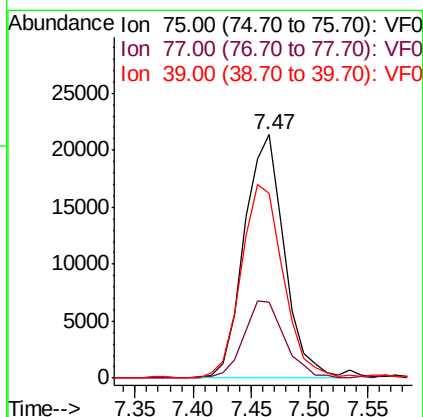
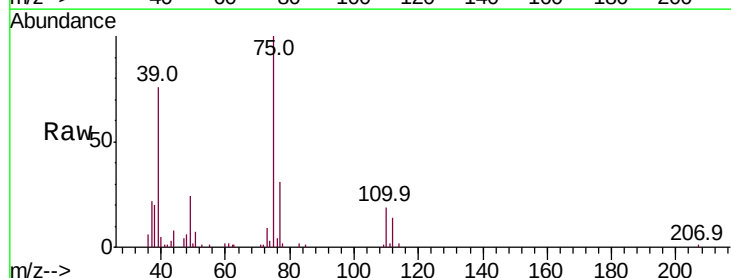
Tgt Ion: 75 Resp: 50724

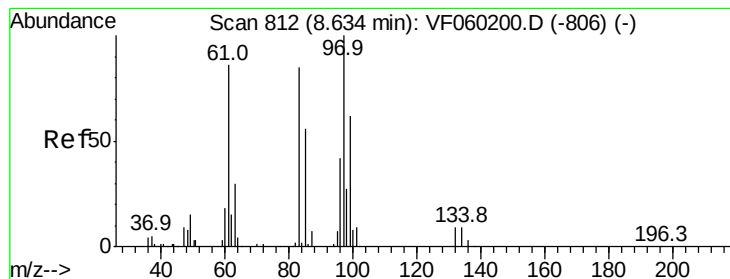
Ion Ratio Lower Upper

75 100

77 30.9 26.6 39.8

39 75.8 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 19.377 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBSD01

Tot Ion: 97 Resp: 24521

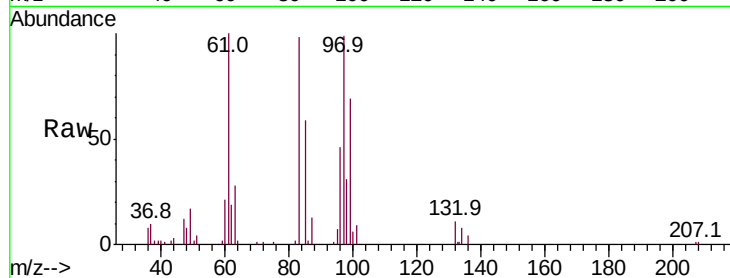
Ion Ratio Lower Upper

97 100

83 98.9 68.1 102.1

85 59.1 44.6 66.8

99 69.7 49.8 74.8

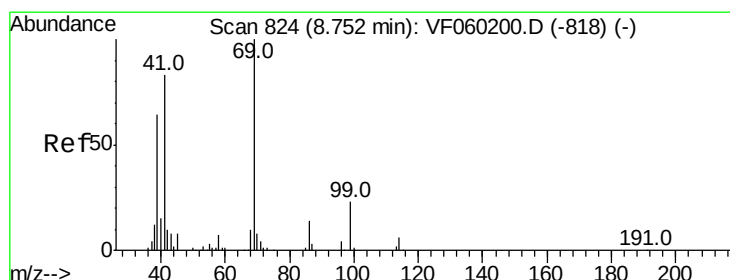
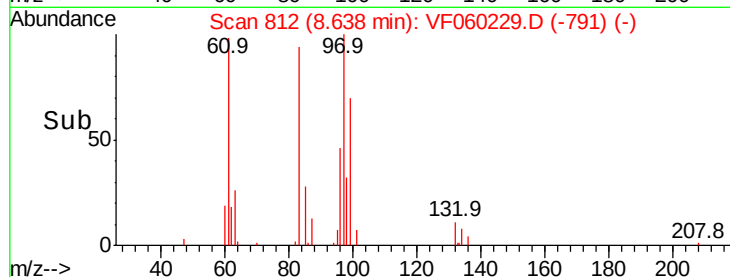
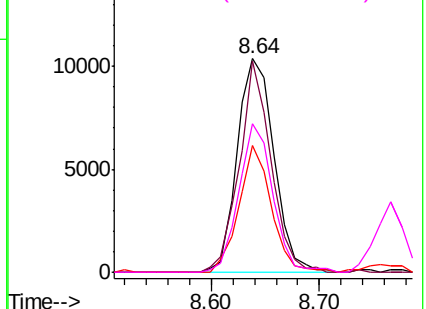


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.554 ug/l

RT: 8.77 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

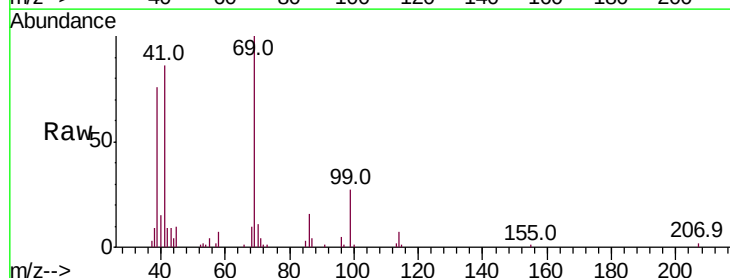
Tgt Ion: 69 Resp: 28288

Ion Ratio Lower Upper

69 100

41 85.6 66.6 100.0

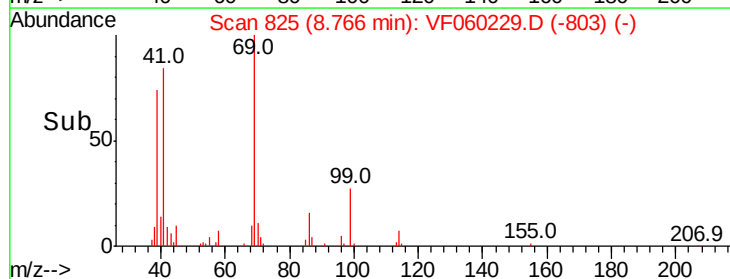
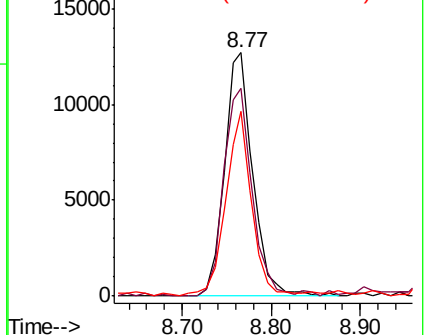
39 76.0 51.5 77.3

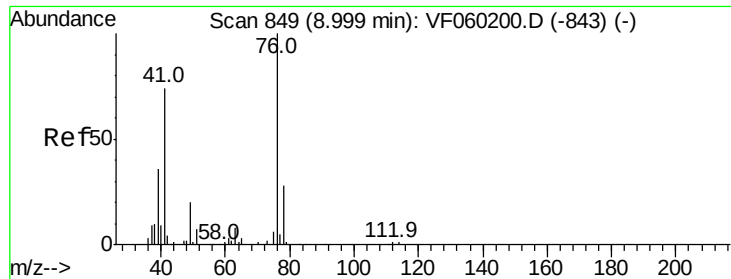


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.881 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

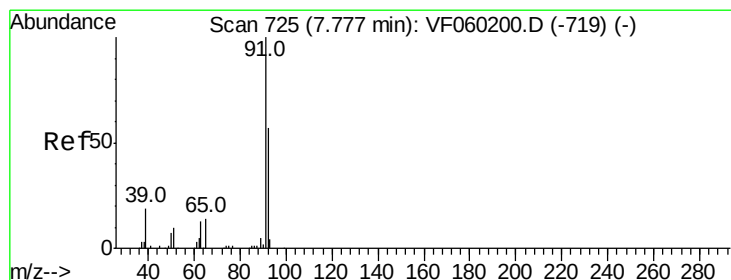
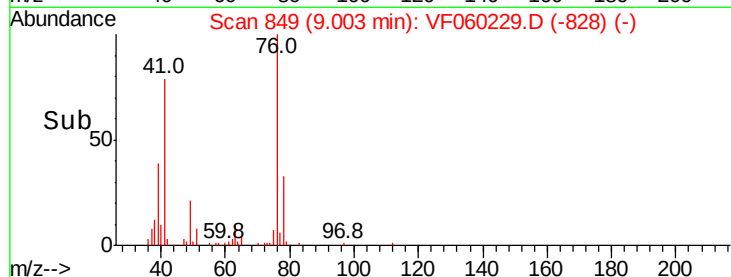
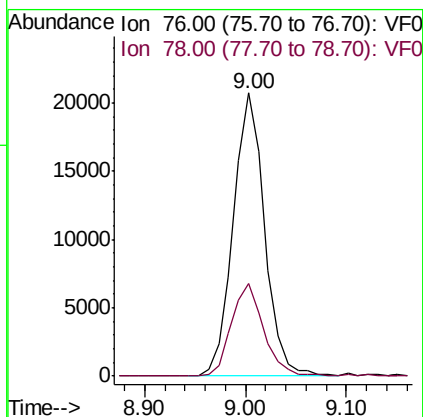
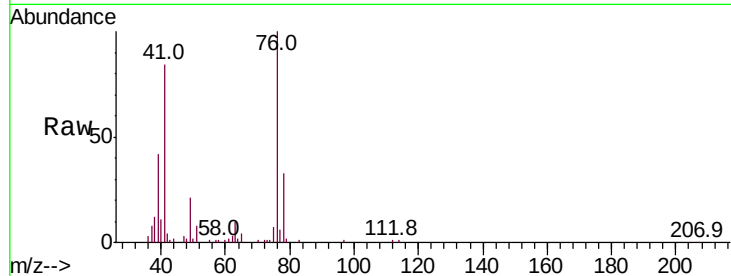
VF0910SBS01

Tot Ion: 76 Resp: 44731

Ion Ratio Lower Upper

76 100

78 32.7 22.8 34.2



#58

2-Chloroethyl Vinyl ether

Concen: 108.860 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060229.D

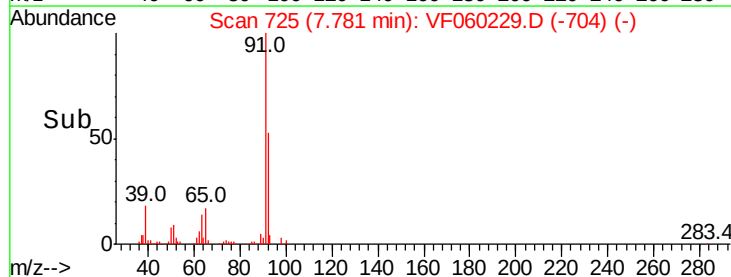
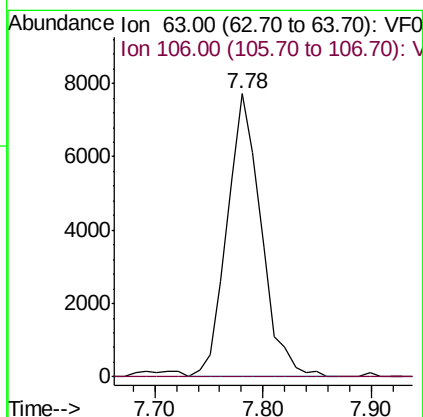
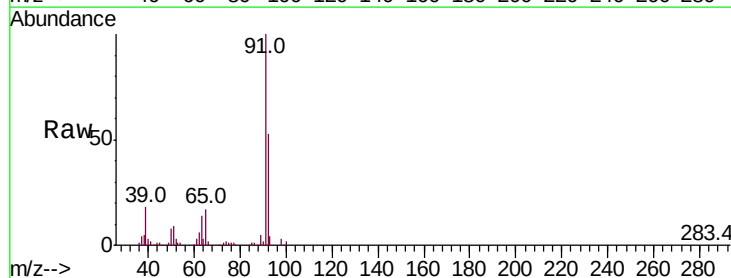
Acq: 10 Sep 2018 12:40

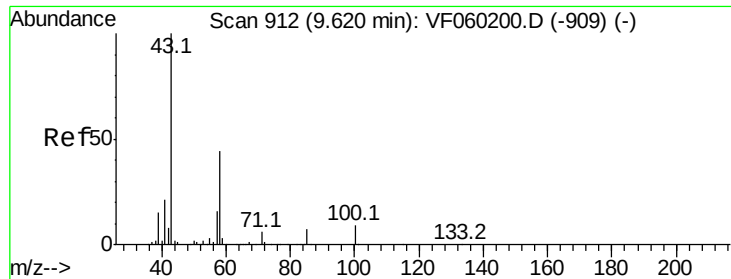
Tgt Ion: 63 Resp: 16936

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

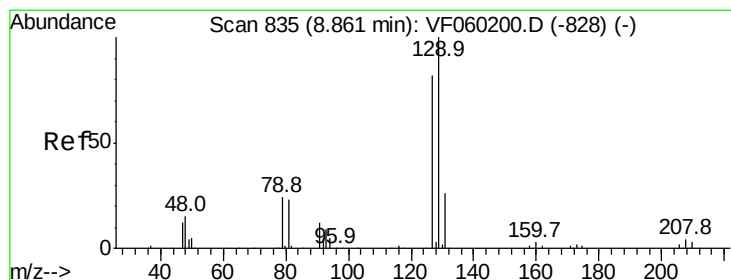
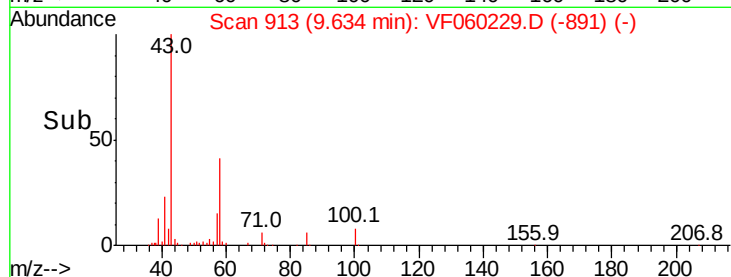
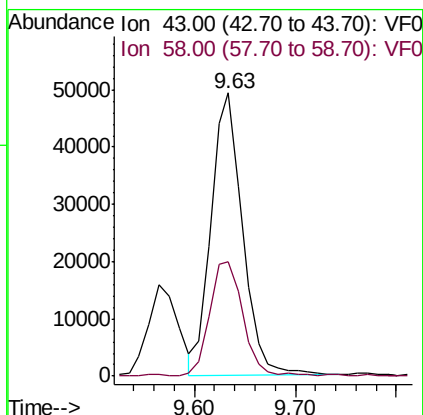
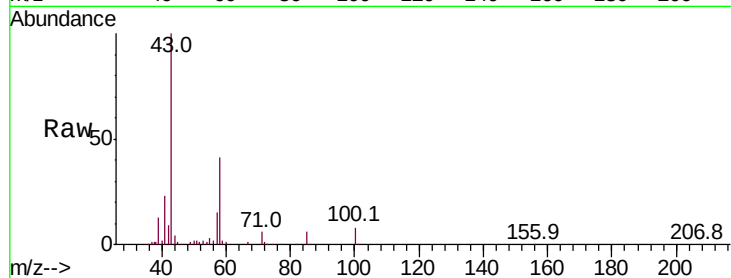




#59
2-Hexanone
Concen: 110.023 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

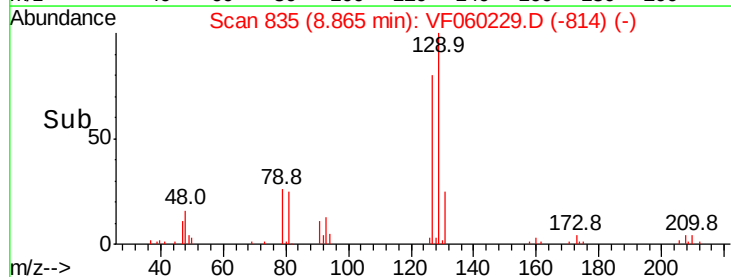
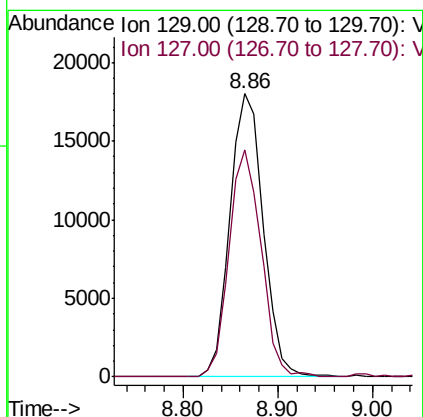
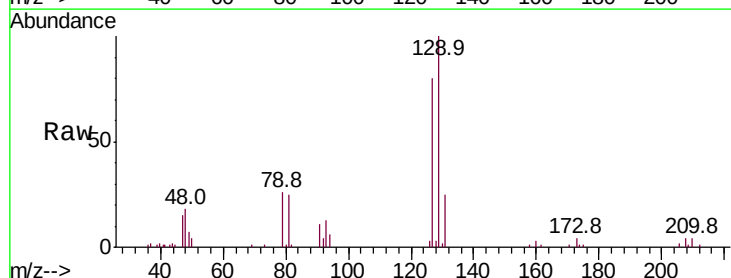
Instrument :
MSVOA_F
ClientSampleId :
VF0910SBSD01

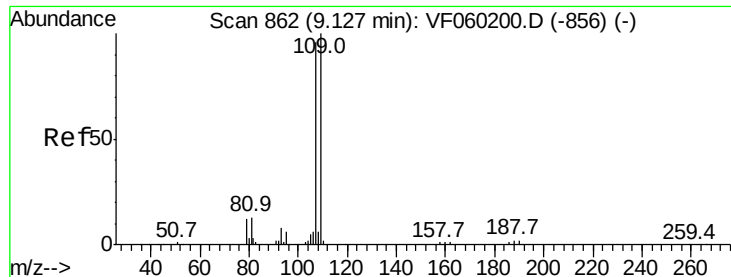
Tot Ion: 43 Resp: 106674
Ion Ratio Lower Upper
43 100
58 40.6 20.8 62.5



#60
Dibromochloromethane
Concen: 20.955 ug/l
RT: 8.86 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion: 129 Resp: 43921
Ion Ratio Lower Upper
129 100
127 80.3 40.9 122.8





#61

1,2-Dibromoethane

Concen: 18.918 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

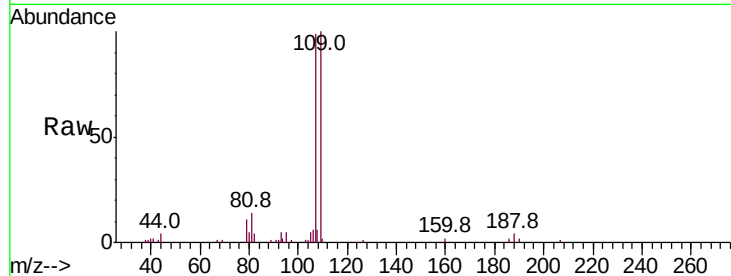
VF0910SBSD01

Tot Ion:107 Resp: 28714

Ion Ratio Lower Upper

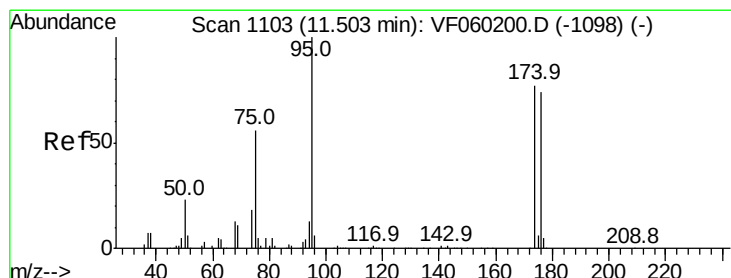
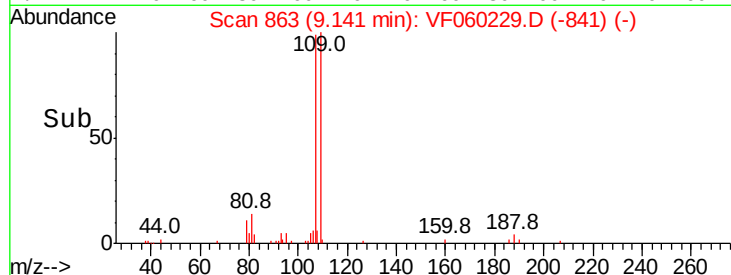
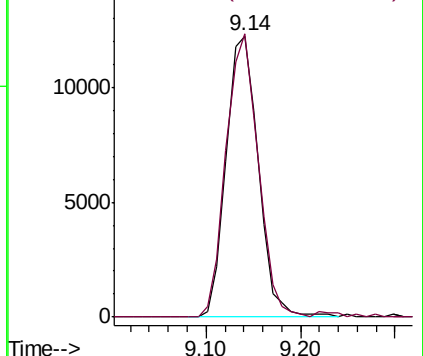
107 100

109 100.7 83.0 124.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.100 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

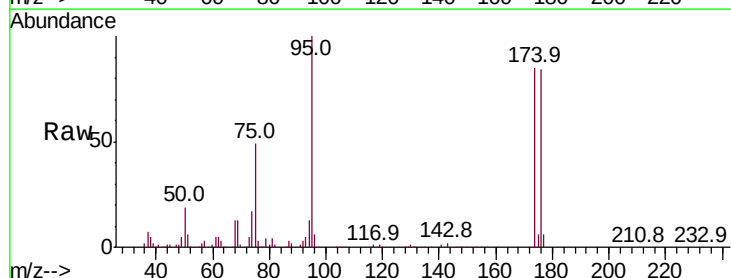
Tgt Ion: 95 Resp: 143489

Ion Ratio Lower Upper

95 100

174 85.3 0.0 153.2

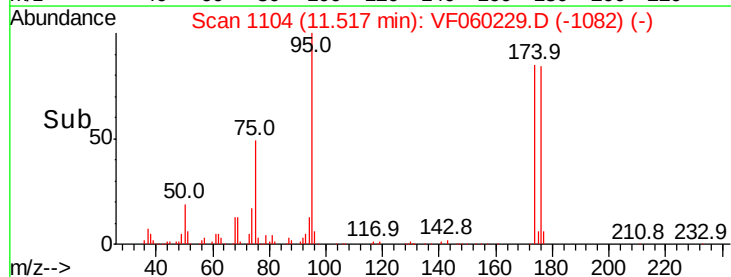
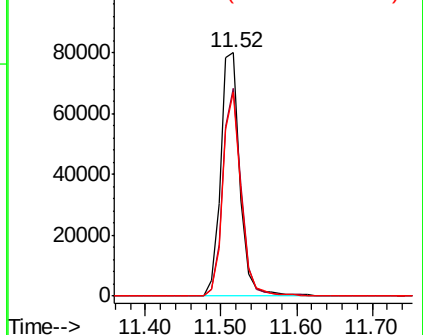
176 84.0 0.0 147.2

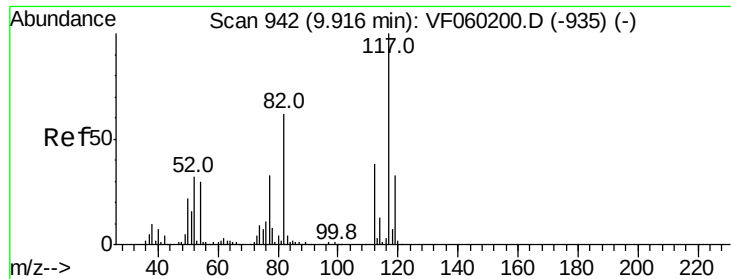


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

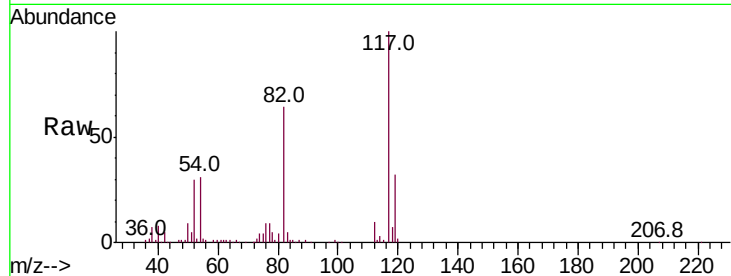




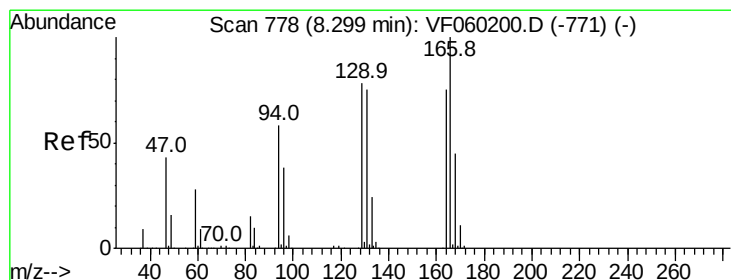
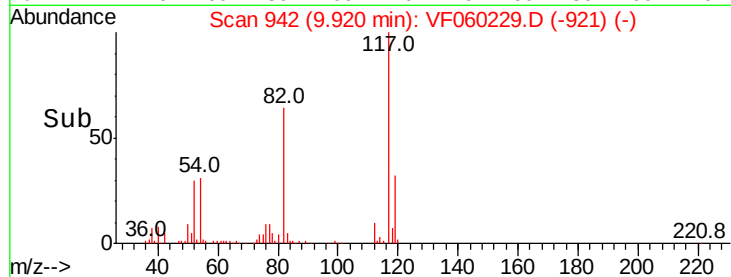
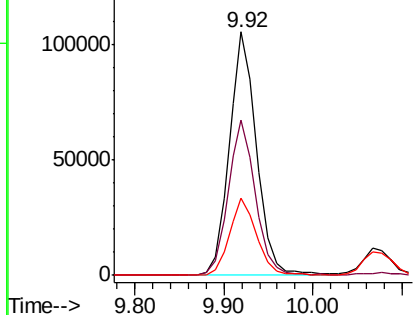
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Instrument :
MSVOA_F
ClientSampleId :
VF0910SBS01

Tot Ion:117 Resp: 225647
Ion Ratio Lower Upper
117 100
82 63.6 49.3 73.9
119 31.7 26.5 39.7



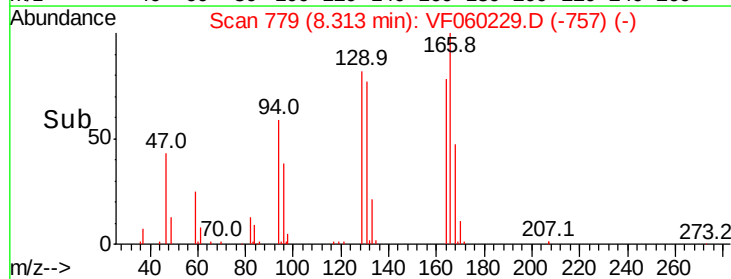
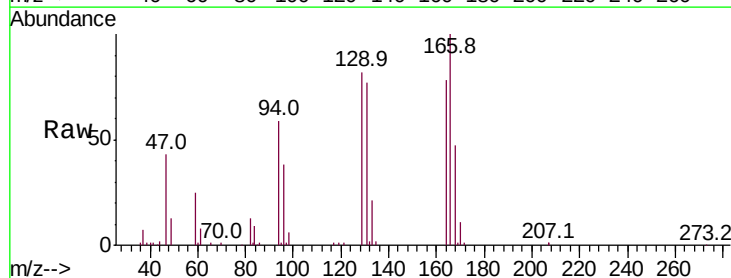
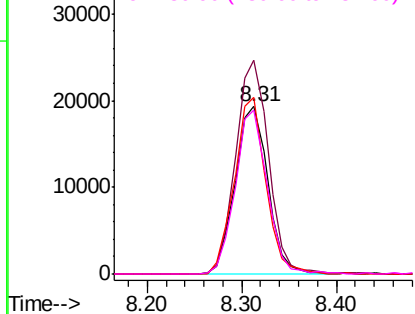
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

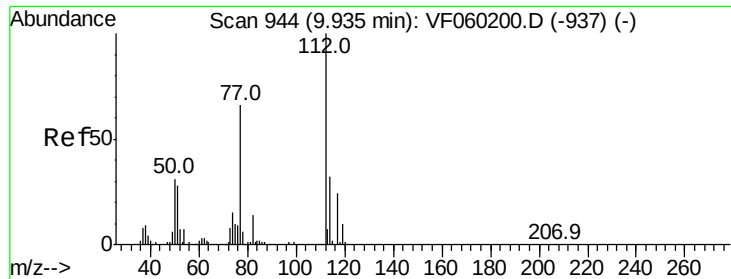


#64
Tetrachloroethene
Concen: 17.317 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion:164 Resp: 46300
Ion Ratio Lower Upper
164 100
166 127.7 107.0 160.4
129 105.4 83.0 124.6
131 98.2 79.8 119.8

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





#65

Chlorobenzene

Concen: 21.148 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

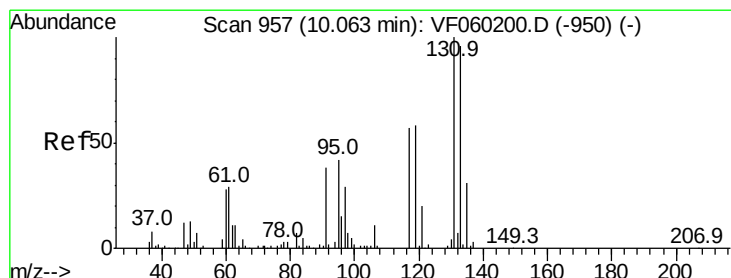
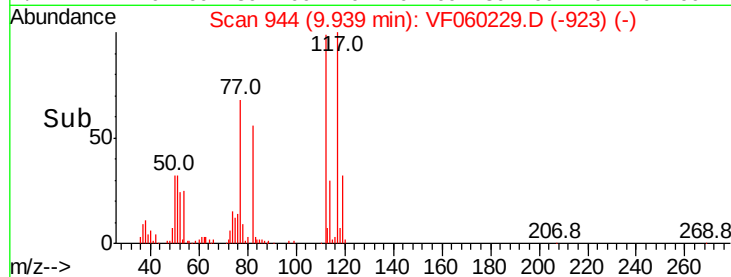
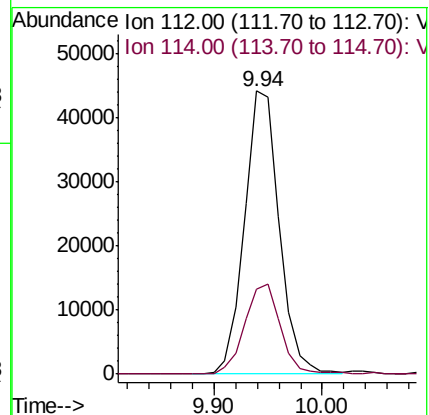
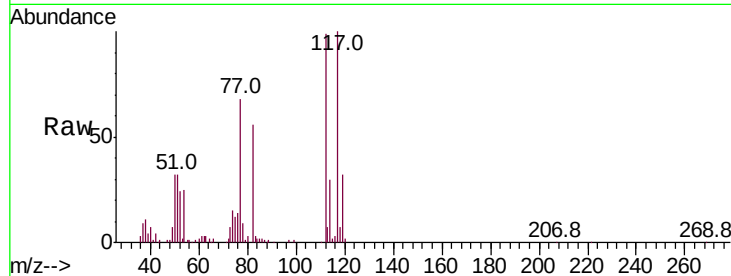
VF0910SBSD01

Tot Ion:112 Resp: 98770

Ion Ratio Lower Upper

112 100

114 30.2 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 19.466 ug/l

RT: 10.08 min Scan# 958

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

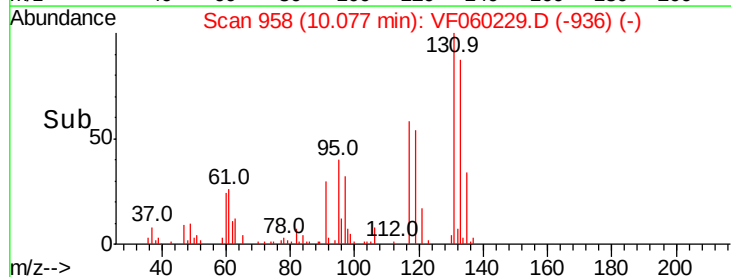
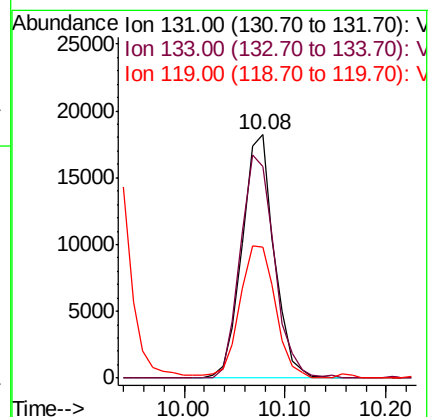
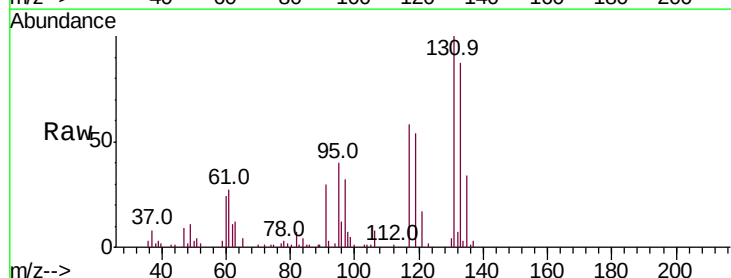
Tgt Ion:131 Resp: 40295

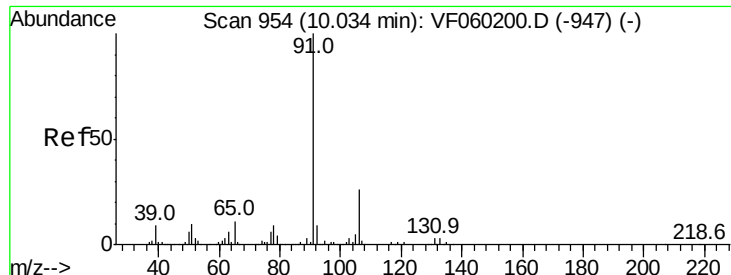
Ion Ratio Lower Upper

131 100

133 86.8 47.9 143.8

119 53.7 29.0 87.0





#67

Ethyl Benzene

Concen: 22.069 ug/l

RT: 10.05 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

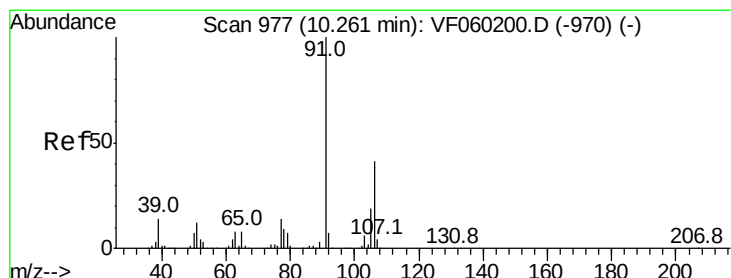
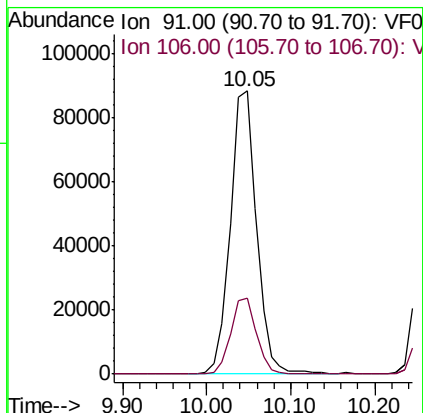
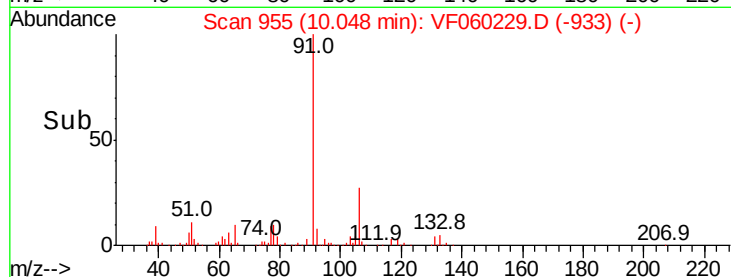
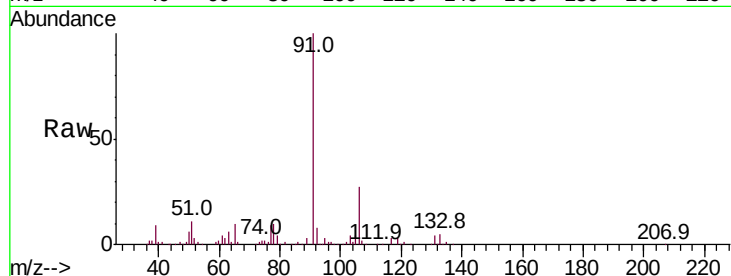
VF0910SBSD01

Tot Ion: 91 Resp: 192298

Ion Ratio Lower Upper

91 100

106 27.0 21.1 31.7



#68

m/p-Xylenes

Concen: 44.150 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060229.D

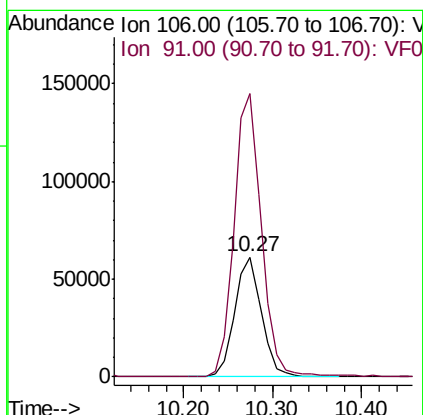
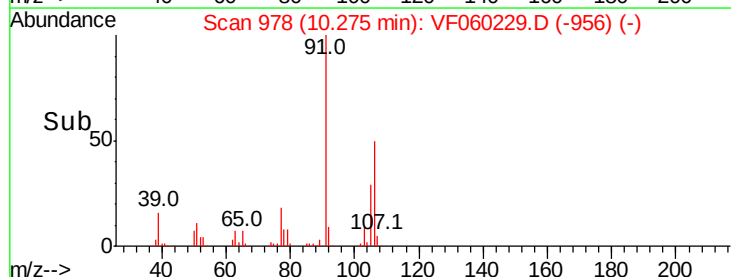
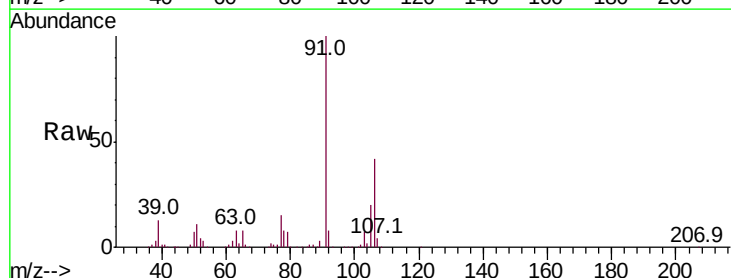
Acq: 10 Sep 2018 12:40

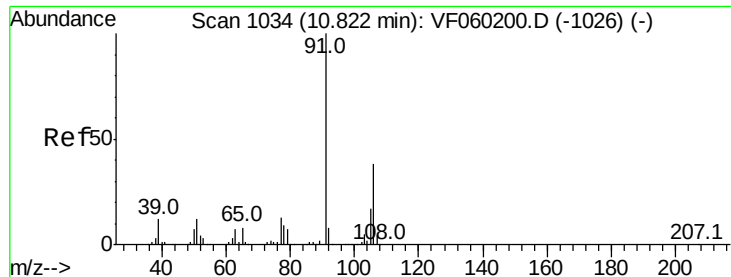
Tgt Ion:106 Resp: 129075

Ion Ratio Lower Upper

106 100

91 236.3 194.6 291.8

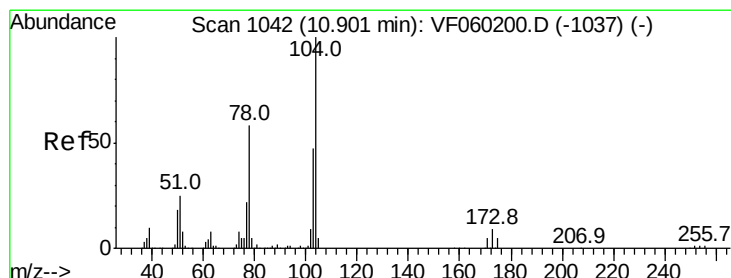
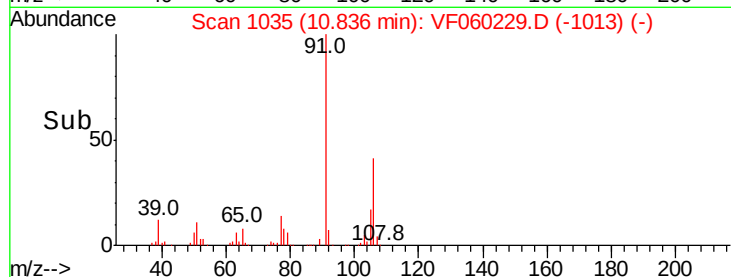
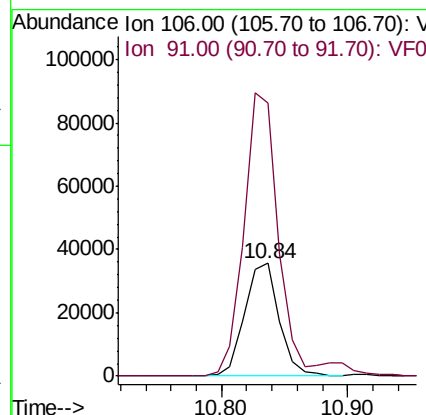
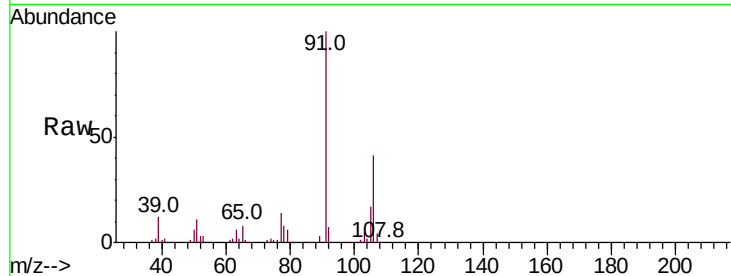




#69
o-Xylene
Concen: 21.825 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

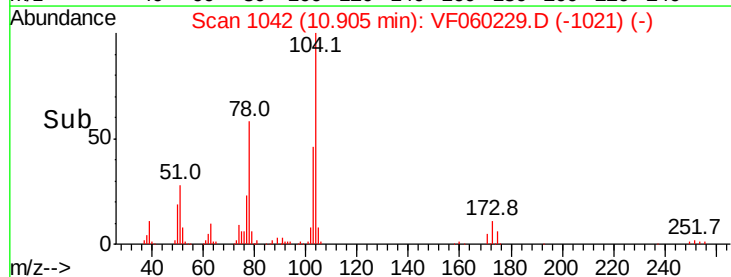
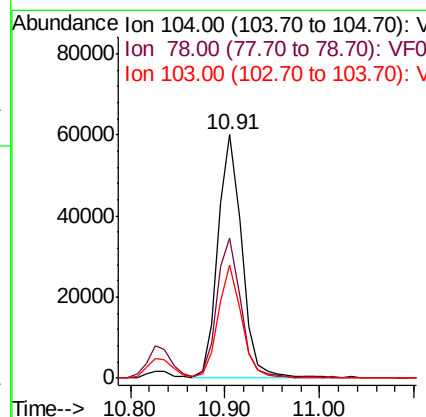
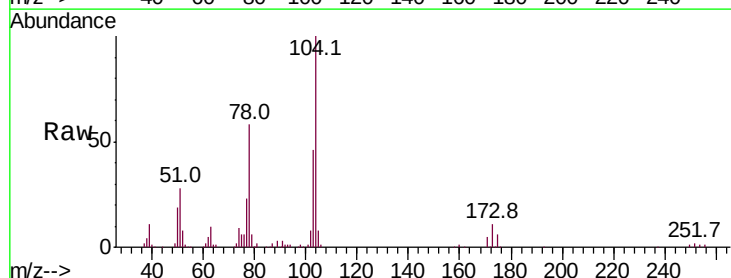
Instrument :
MSVOA_F
ClientSampleId :
VF0910SBSD01

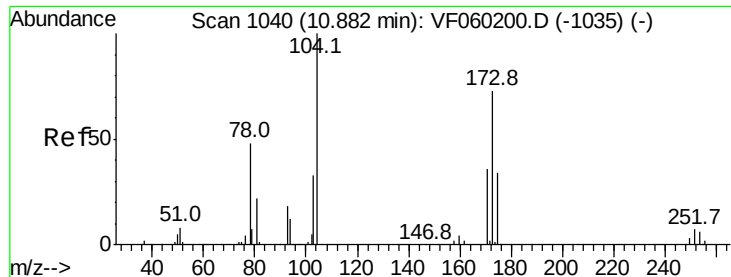
Tot Ion:106 Resp: 68062
Ion Ratio Lower Upper
106 100
91 242.7 130.5 391.5



#70
Styrene
Concen: 22.163 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060229.D
Acq: 10 Sep 2018 12:40

Tgt Ion:104 Resp: 104763
Ion Ratio Lower Upper
104 100
78 57.6 47.1 70.7
103 46.4 38.6 57.8





#71

Bromoform

Concen: 21.826 ug/l

RT: 10.90 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBSD01

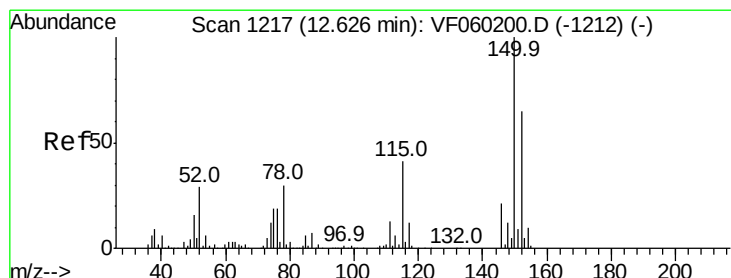
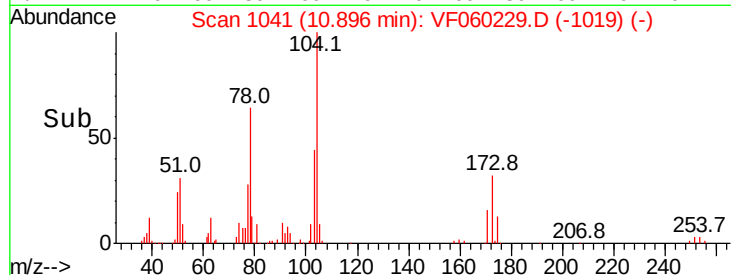
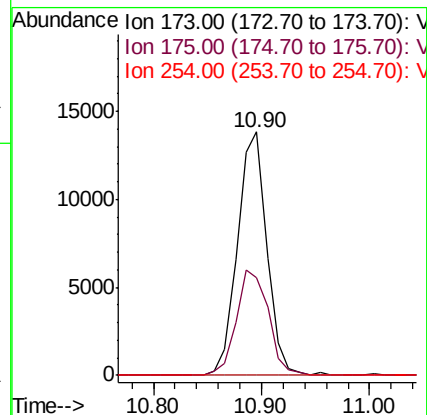
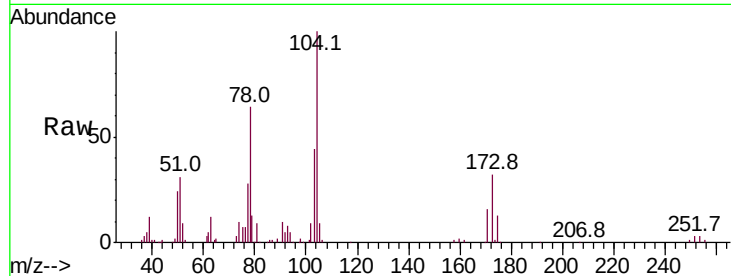
Tot Ion:173 Resp: 26084

Ion Ratio Lower Upper

173 100

175 40.1 23.1 69.3

254 0.0 0.2 0.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

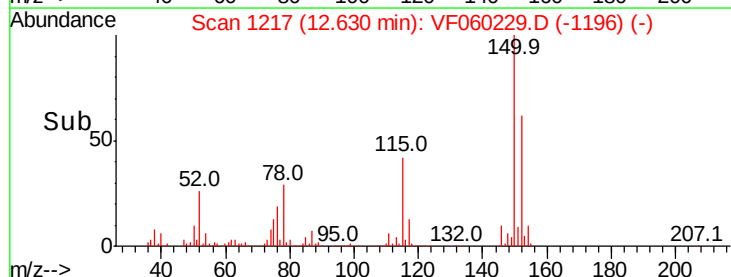
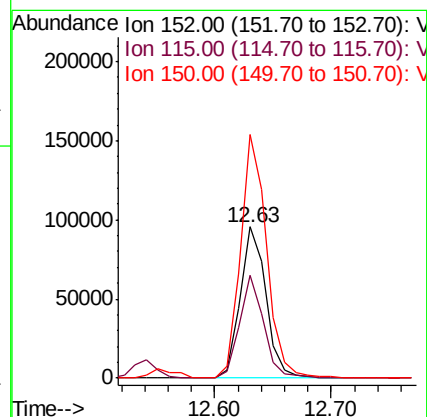
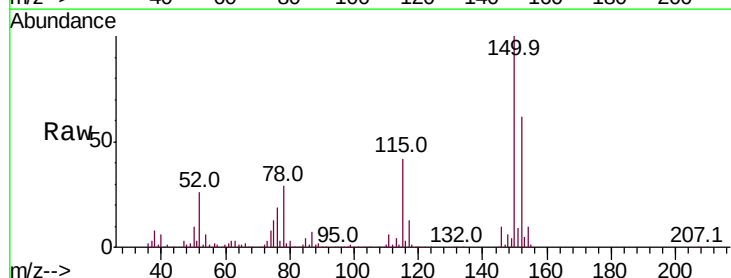
Tgt Ion:152 Resp: 147031

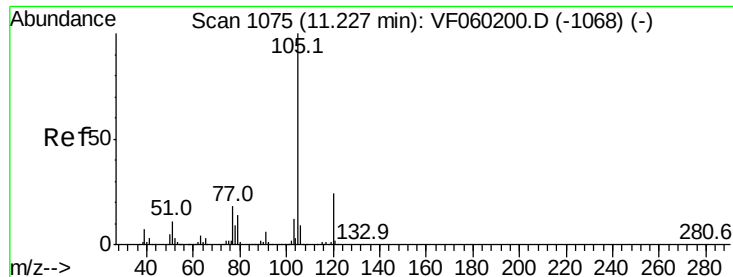
Ion Ratio Lower Upper

152 100

115 67.7 31.5 94.5

150 161.2 0.0 310.4





#73

Isopropylbenzene

Concen: 21.368 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

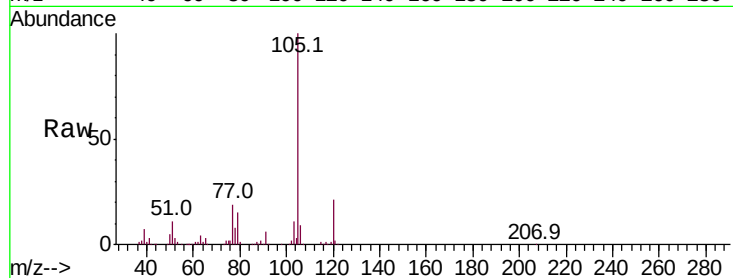
VF0910SBS01

Tot Ion:105 Resp: 216712

Ion Ratio Lower Upper

105 100

120 21.5 11.8 35.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

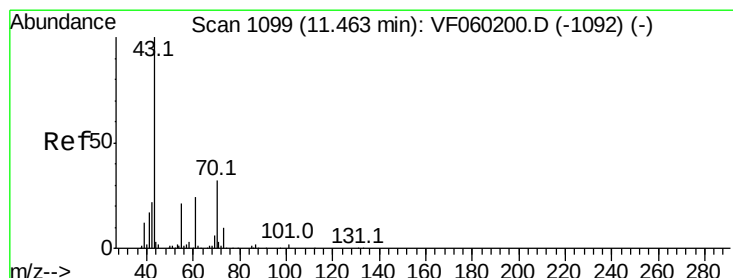
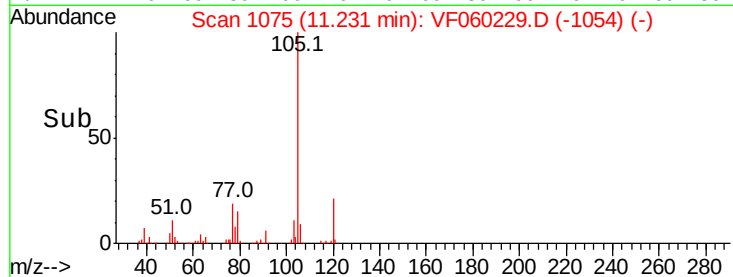
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 21.433 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Tgt Ion: 43 Resp: 37162

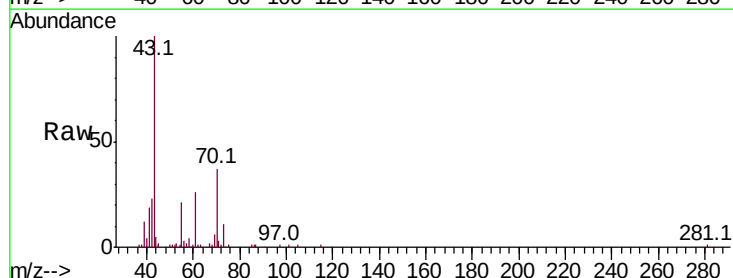
Ion Ratio Lower Upper

43 100

70 37.0 25.8 38.6

55 20.6 16.8 25.2

61 26.4 18.9 28.3



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

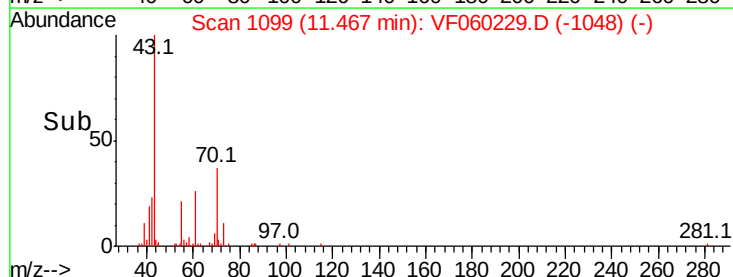
30000

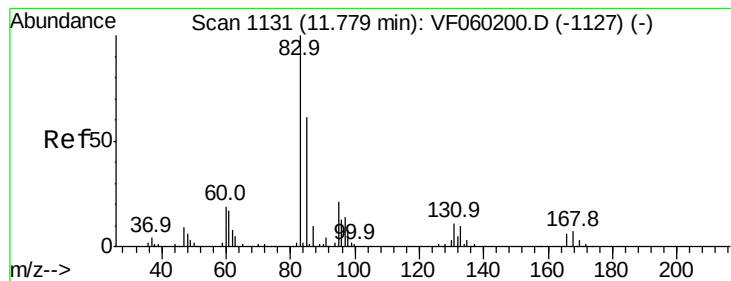
20000

10000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 20.725 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

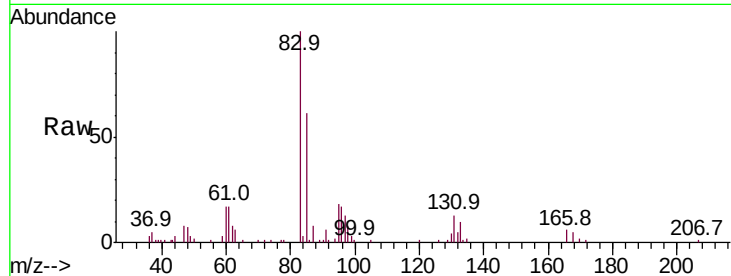
Tot Ion: 83 Resp: 31608

Ion Ratio Lower Upper

83 100

131 13.0 5.5 16.4

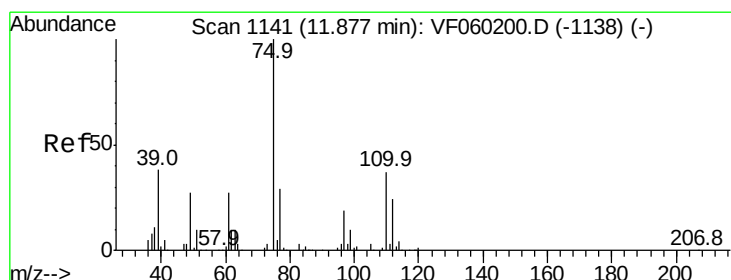
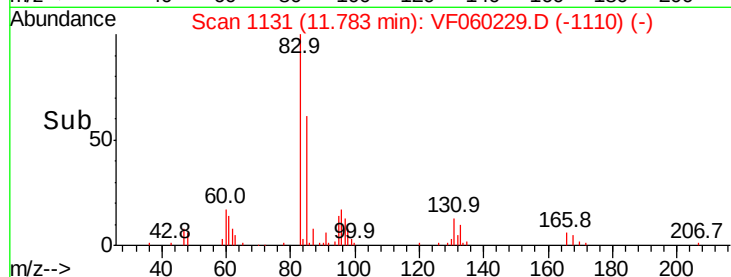
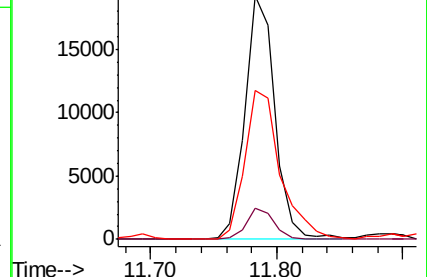
85 60.9 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.408 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060229.D

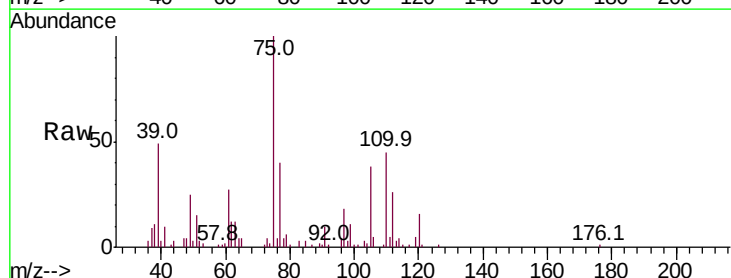
Acq: 10 Sep 2018 12:40

Tgt Ion: 75 Resp: 31366

Ion Ratio Lower Upper

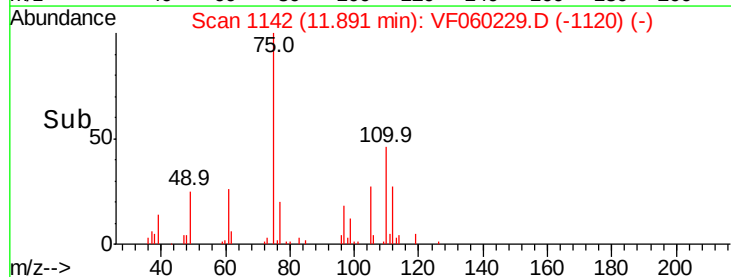
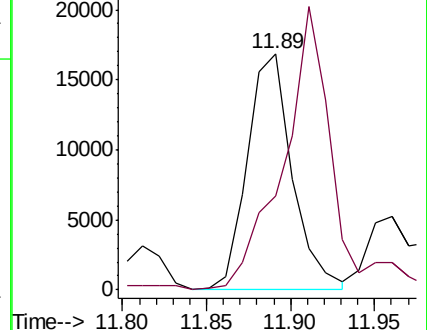
75 100

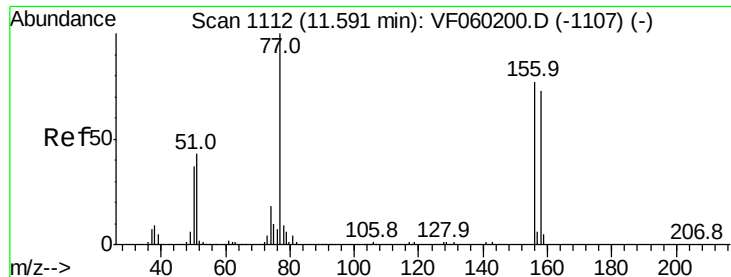
77 40.0 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.852 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBSD01

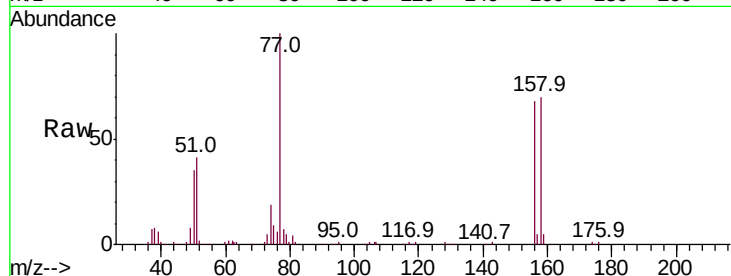
Tot Ion:156 Resp: 55383

Ion Ratio Lower Upper

156 100

77 147.5 64.8 194.3

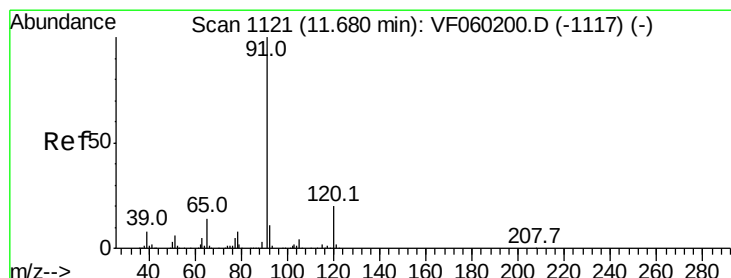
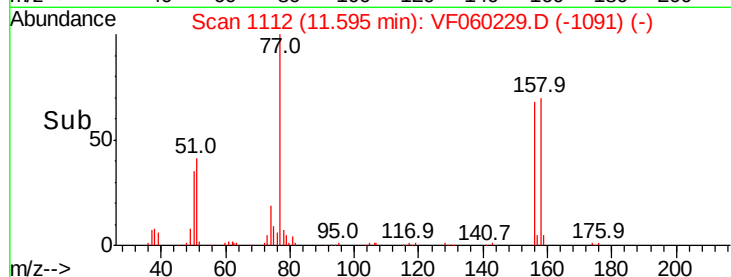
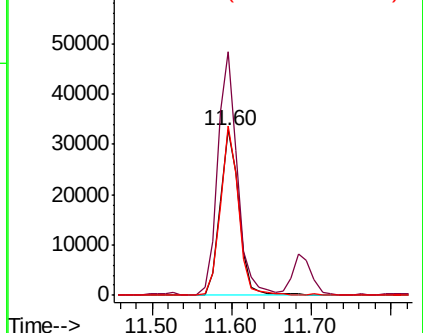
158 102.7 47.3 141.8



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: 21.728 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060229.D

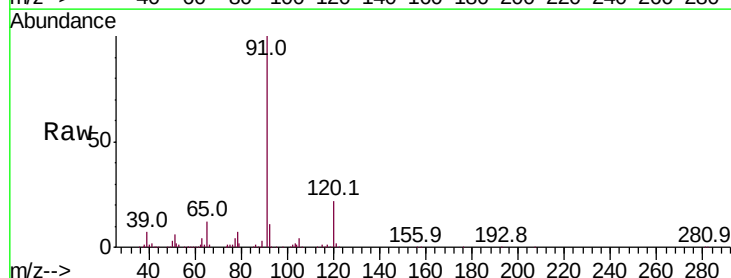
Acq: 10 Sep 2018 12:40

Tgt Ion: 91 Resp: 264057

Ion Ratio Lower Upper

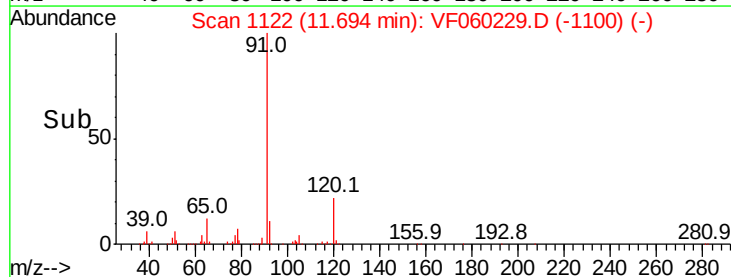
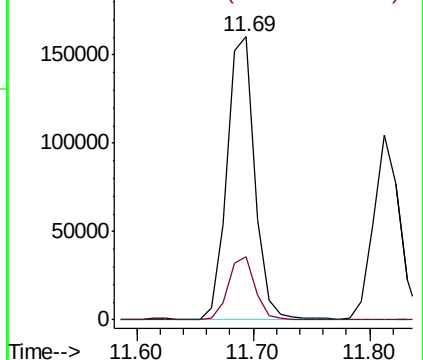
91 100

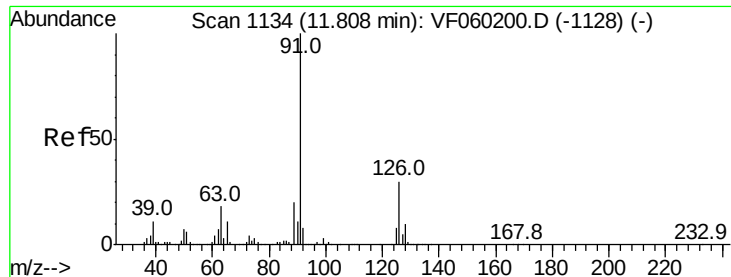
120 22.1 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.177 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

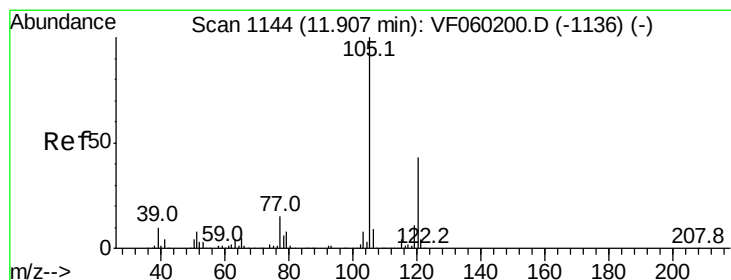
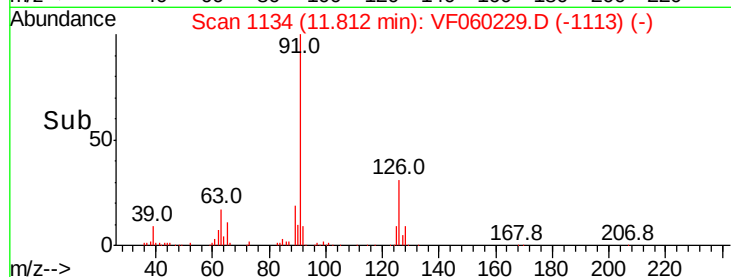
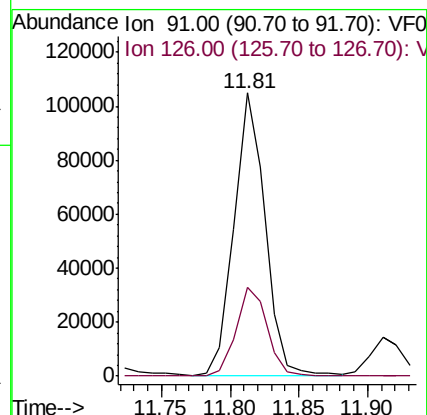
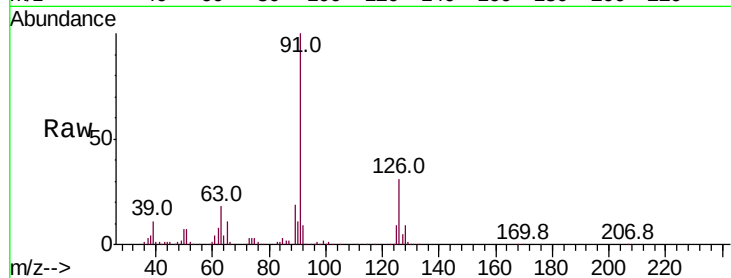
VF0910SBSD01

Tot Ion: 91 Resp: 162832

Ion Ratio Lower Upper

91 100

126 31.4 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 22.642 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060229.D

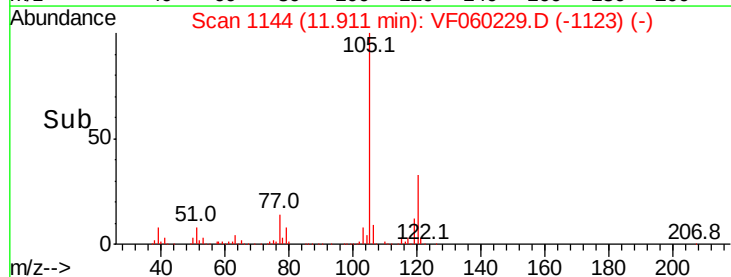
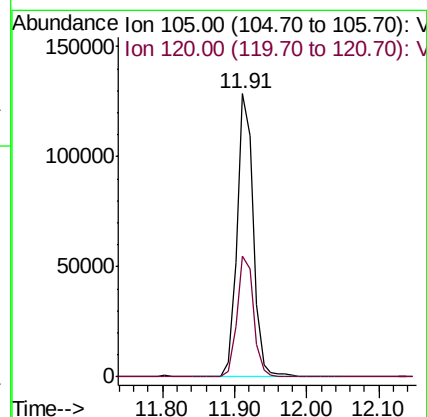
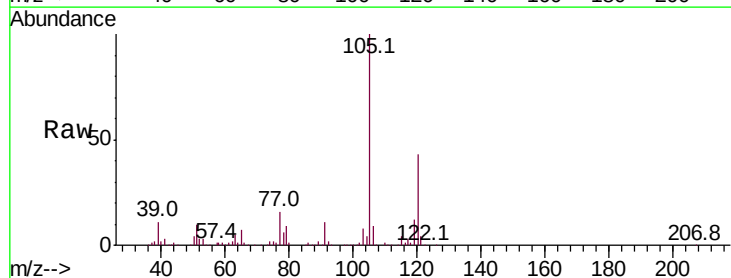
Acq: 10 Sep 2018 12:40

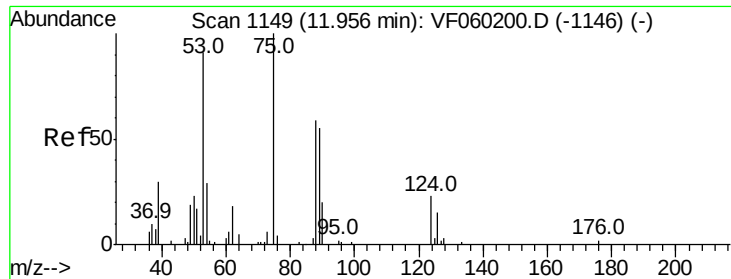
Tgt Ion: 105 Resp: 202712

Ion Ratio Lower Upper

105 100

120 42.8 21.6 64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.496 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBSD01

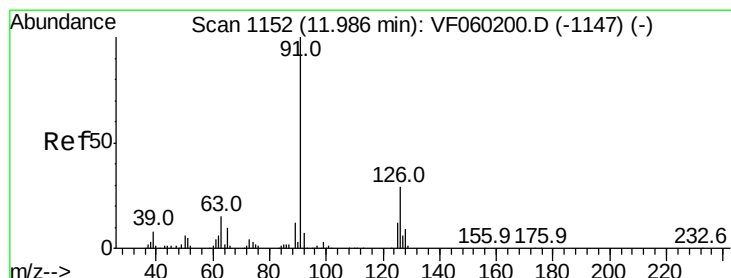
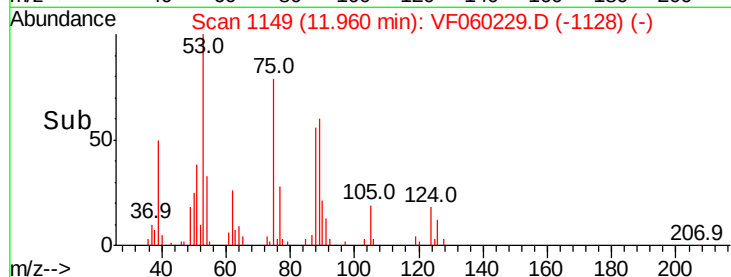
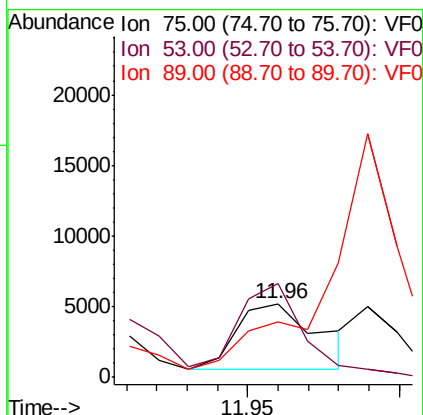
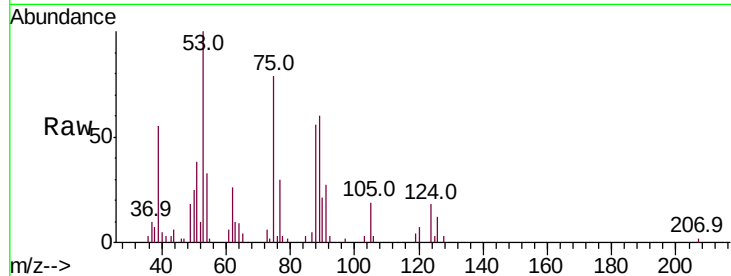
Tot Ion: 75 Resp: 8731

Ion Ratio Lower Upper

75 100

53 127.1 76.5 114.7#

89 75.7 46.5 69.7#



#82

4-Chlorotoluene

Concen: 20.677 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060229.D

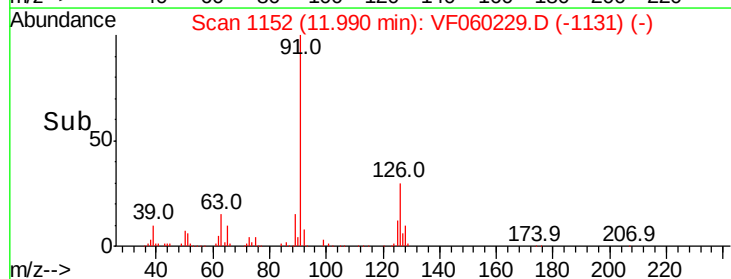
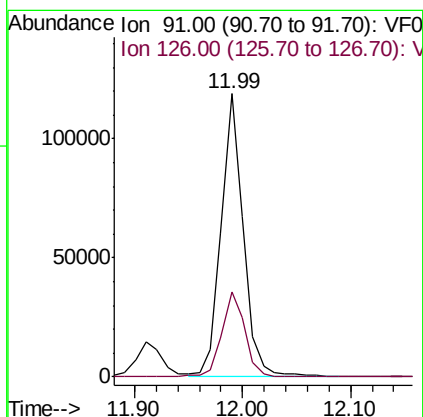
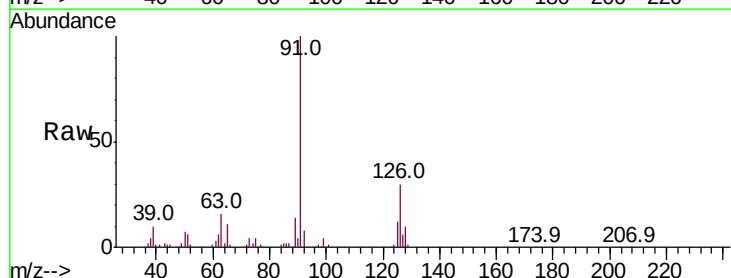
Acq: 10 Sep 2018 12:40

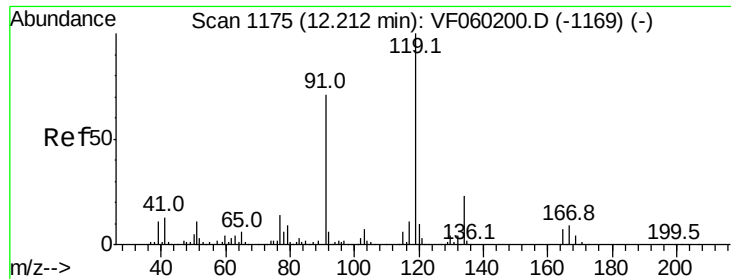
Tgt Ion: 91 Resp: 168478

Ion Ratio Lower Upper

91 100

126 30.0 14.4 43.4

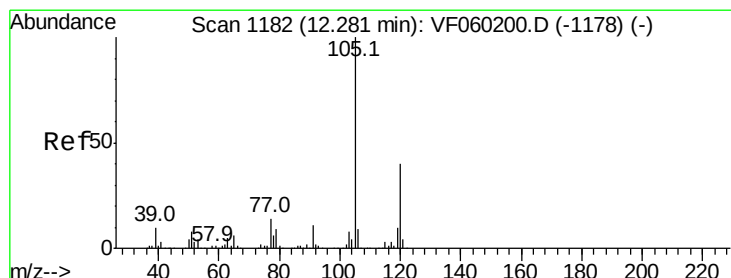
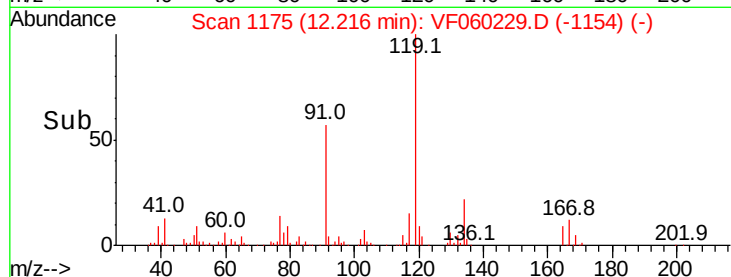
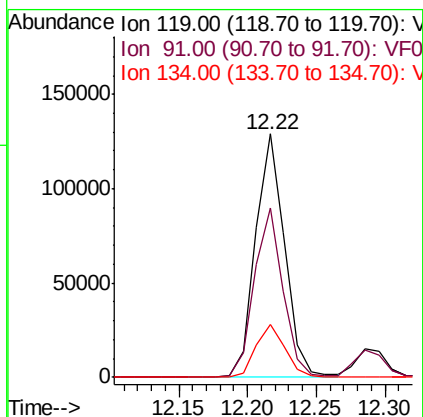
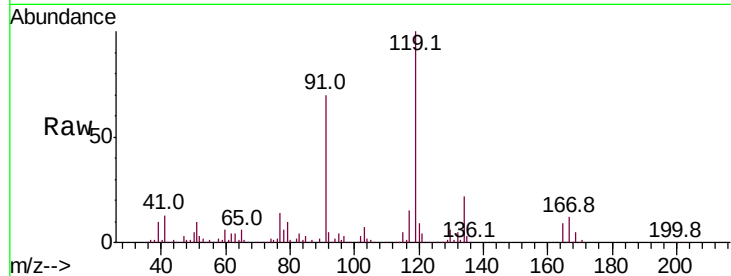




#83
 tert-Butylbenzene
 Concen: 23.446 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

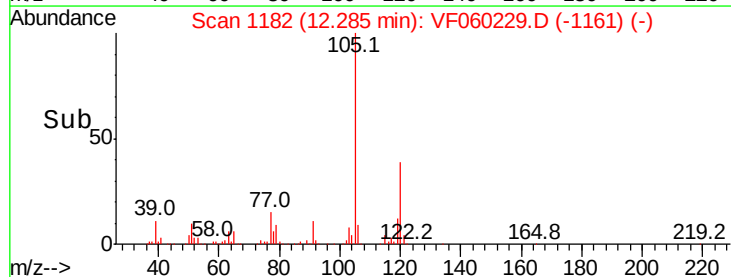
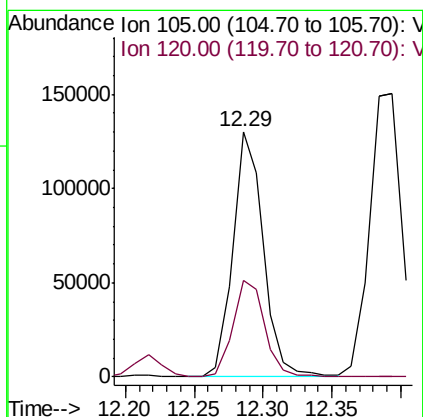
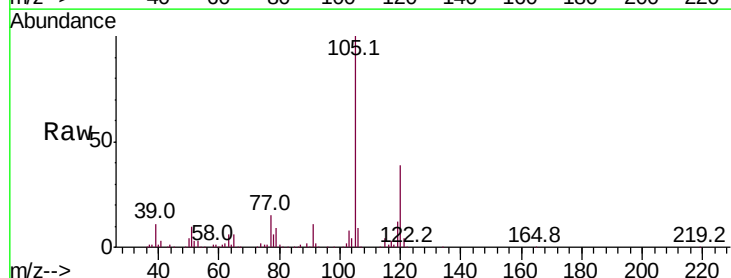
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBS01

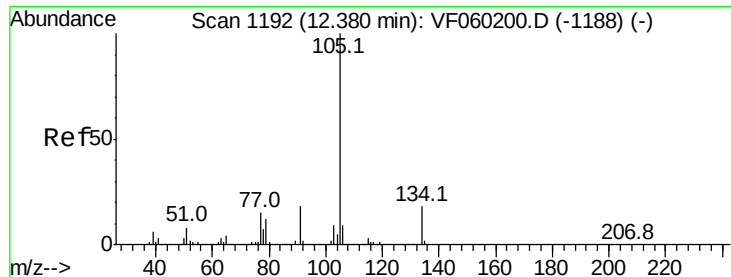
Tot Ion:119 Resp: 191278
 Ion Ratio Lower Upper
 119 100
 91 69.8 35.8 107.4
 134 21.9 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.965 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion:105 Resp: 199782
 Ion Ratio Lower Upper
 105 100
 120 39.3 20.2 60.5





#85

sec-Butylbenzene

Concen: 22.073 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

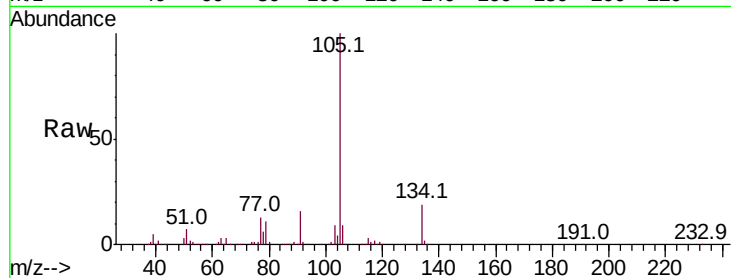
VF0910SBS01

Tot Ion:105 Resp: 248410

Ion Ratio Lower Upper

105 100

134 19.0 8.8 26.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

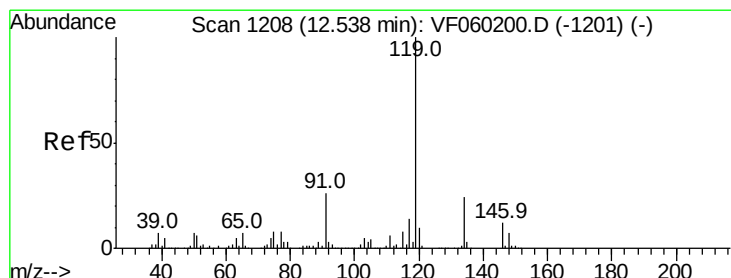
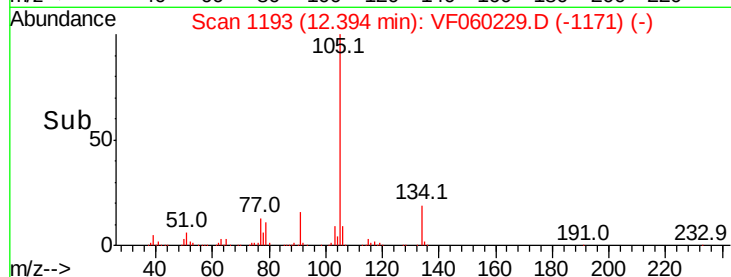
100000

50000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 21.836 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

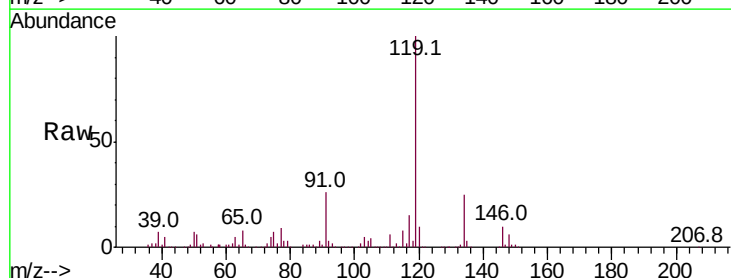
Tgt Ion:119 Resp: 218218

Ion Ratio Lower Upper

119 100

134 24.6 12.0 36.0

91 26.4 12.9 38.7



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): V

200000

150000

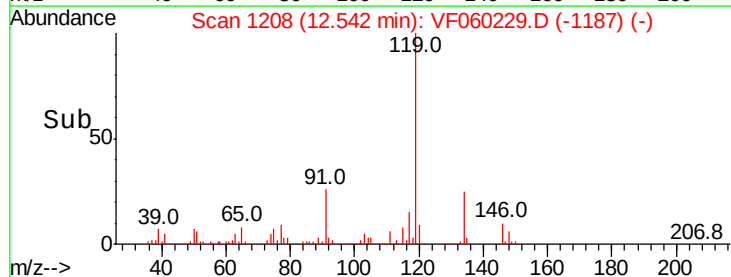
100000

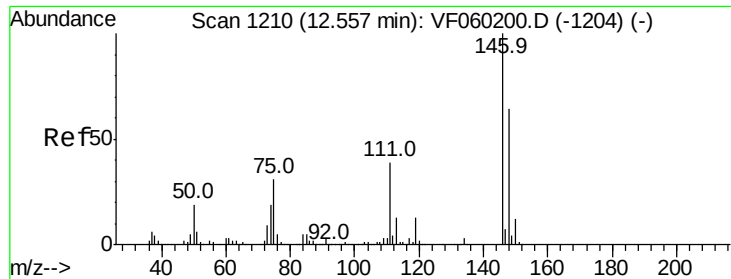
50000

0

12.40 12.50 12.60

Time-->

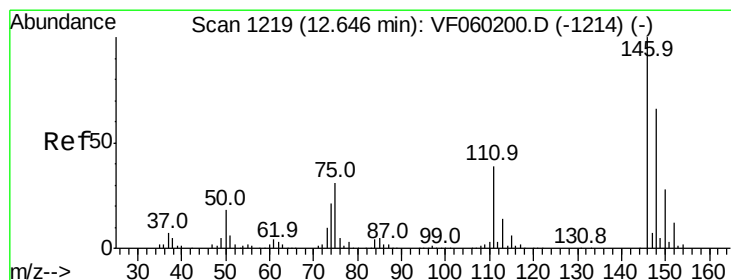
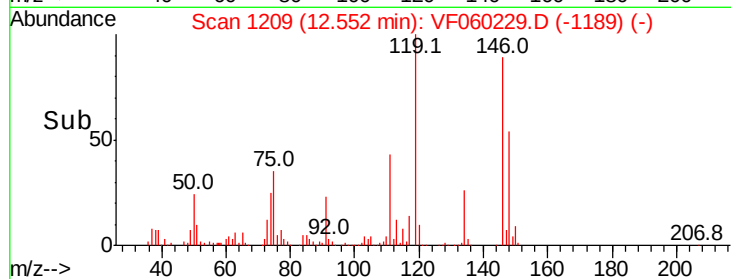
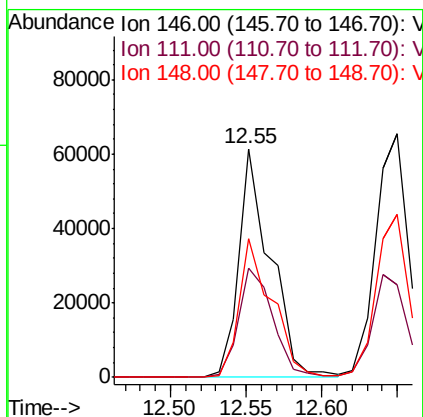
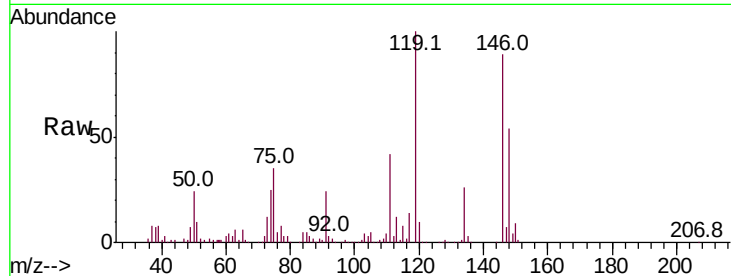




#87
 1,3-Dichlorobenzene
 Concen: 18.378 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

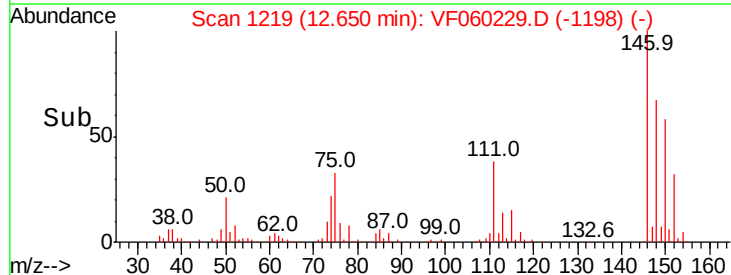
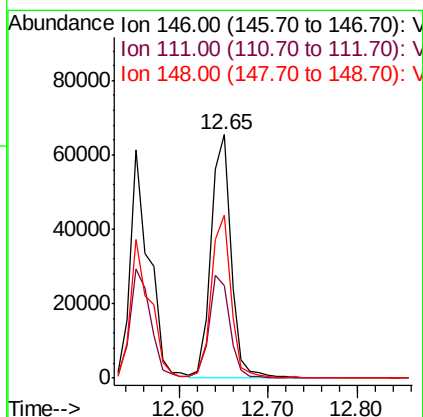
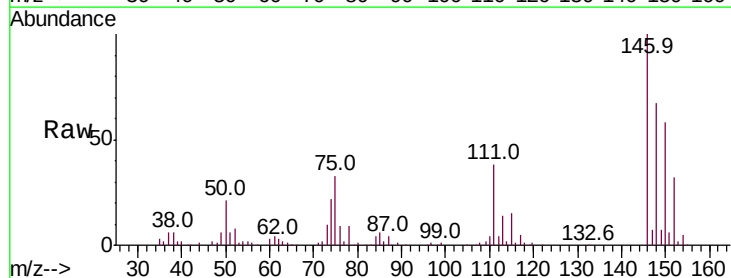
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBSD01

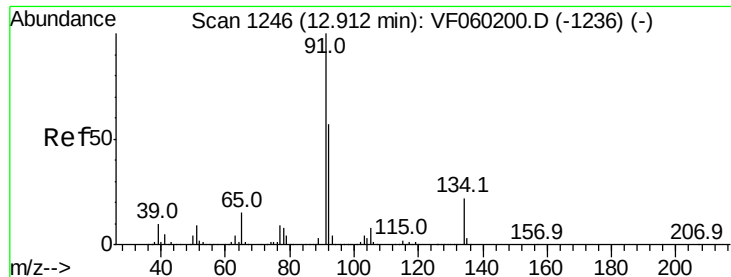
Tot Ion:146 Resp: 89191
 Ion Ratio Lower Upper
 146 100
 111 47.7 19.7 59.1
 148 61.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.407 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion:146 Resp: 102819
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.7 59.1
 148 66.8 33.1 99.5





#89

n-Butylbenzene

Concen: 21.469 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

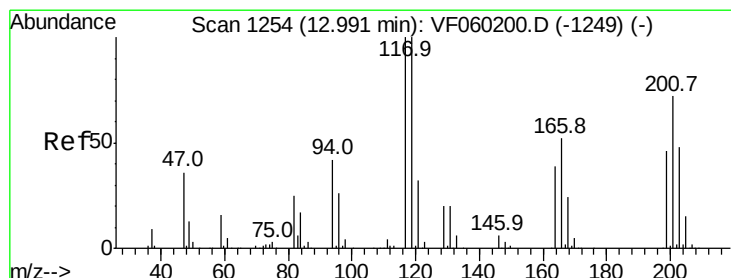
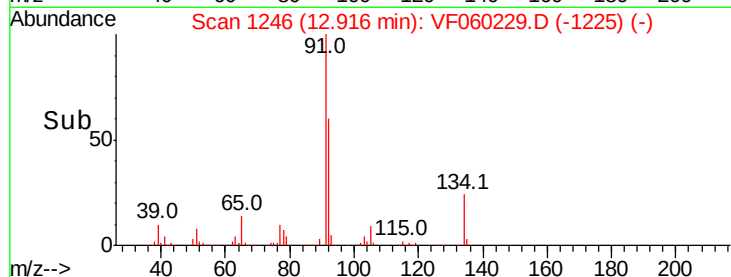
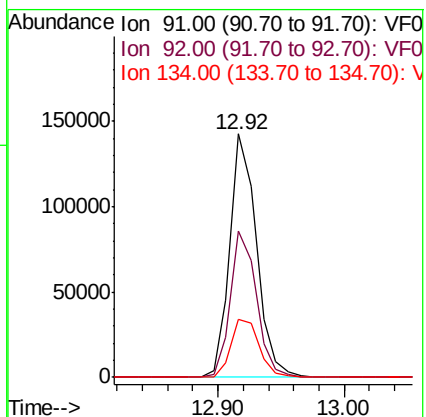
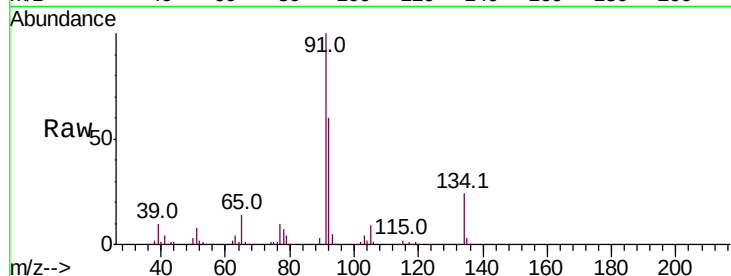
Tot Ion: 91 Resp: 207507

Ion Ratio Lower Upper

91 100

92 60.3 28.4 85.3

134 23.6 11.1 33.3



#90

Hexachloroethane

Concen: 23.414 ug/l

RT: 13.00 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060229.D

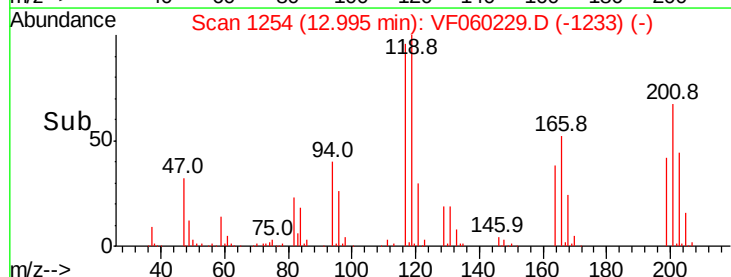
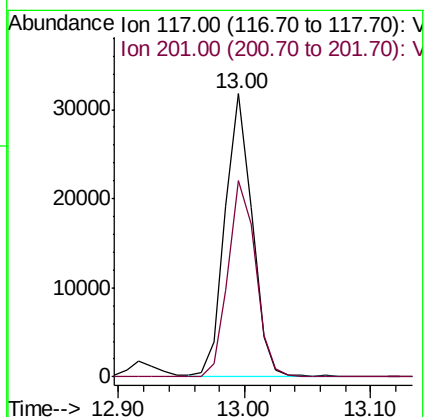
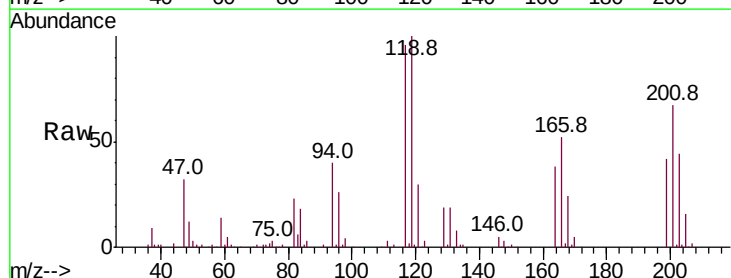
Acq: 10 Sep 2018 12:40

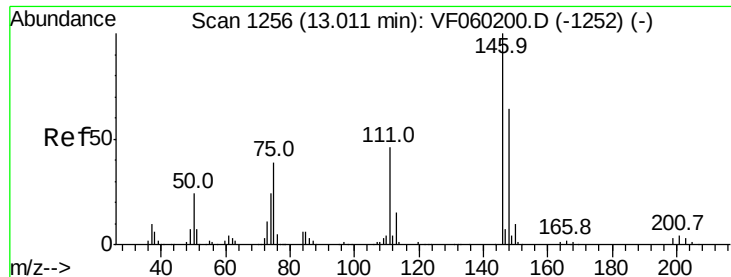
Tgt Ion: 117 Resp: 47436

Ion Ratio Lower Upper

117 100

201 69.6 35.7 107.1

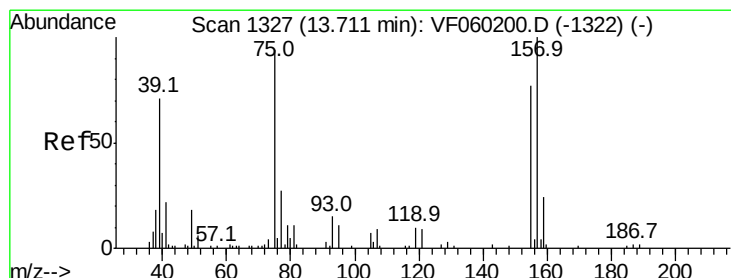
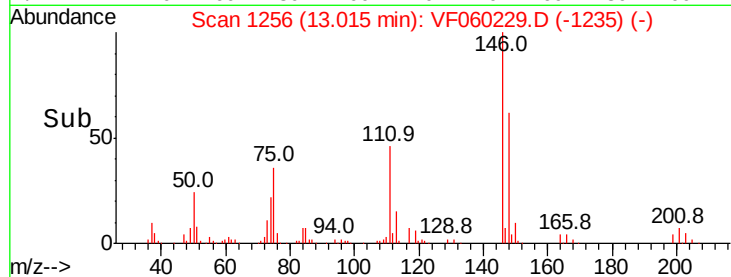
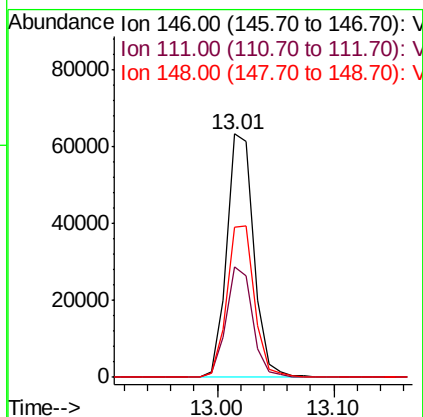
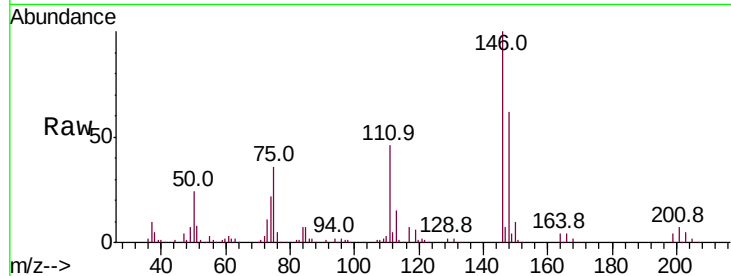




#91
 1,2-Dichlorobenzene
 Concen: 22.187 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

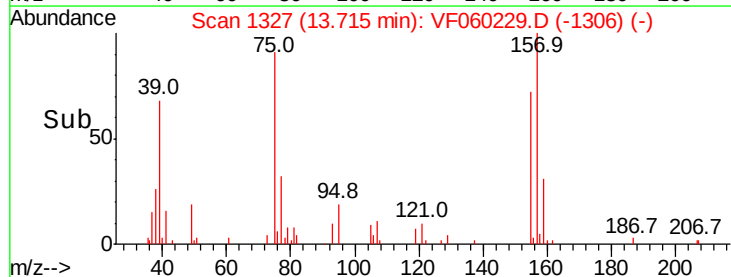
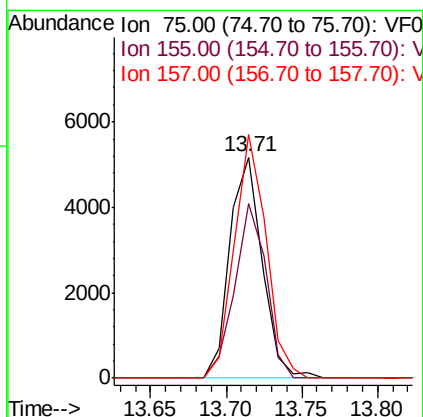
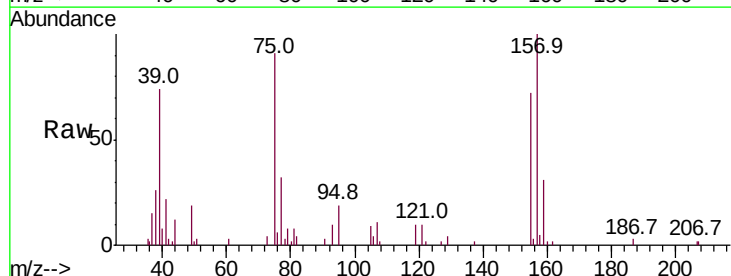
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBSD01

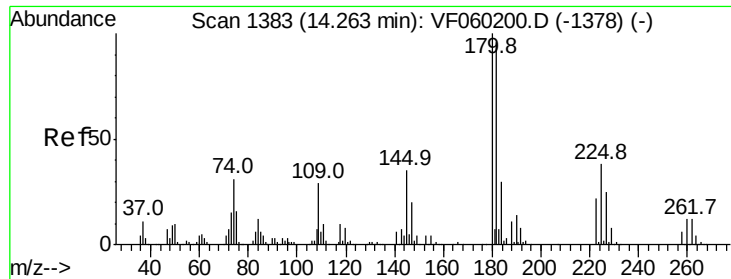
Tot Ion:146 Resp: 102234
 Ion Ratio Lower Upper
 146 100
 111 45.6 23.0 69.0
 148 61.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.750 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion: 75 Resp: 7686
 Ion Ratio Lower Upper
 75 100
 155 82.0 40.8 122.5
 157 110.2 53.3 159.9

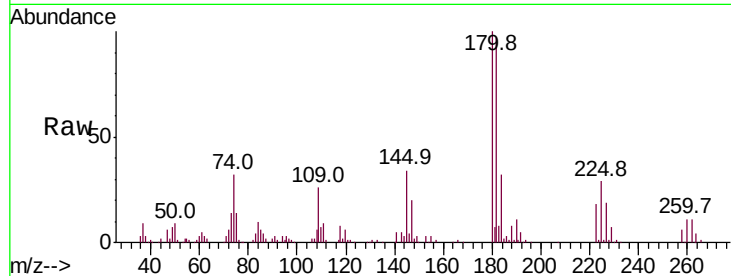




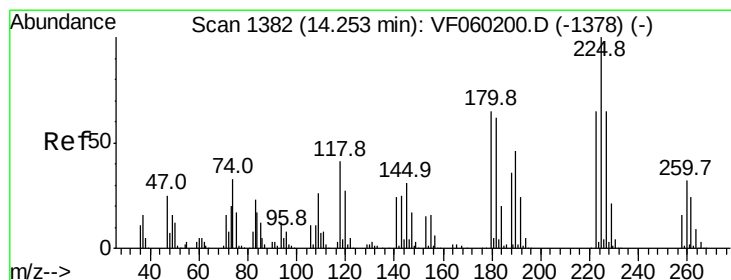
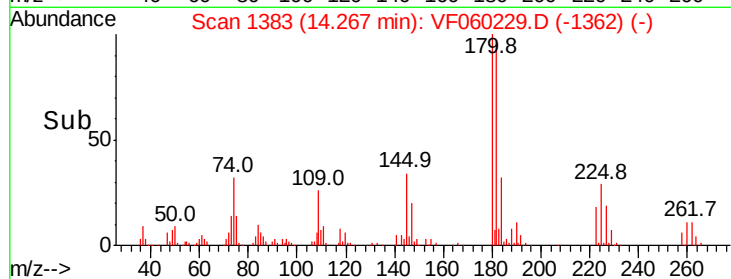
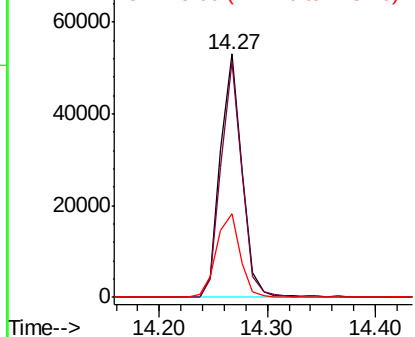
#93
 1,2,4-Trichlorobenzene
 Concen: 20.853 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0910SBSD01

Tot Ion:180 Resp: 74261
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.2 144.6
 145 34.5 17.4 52.2

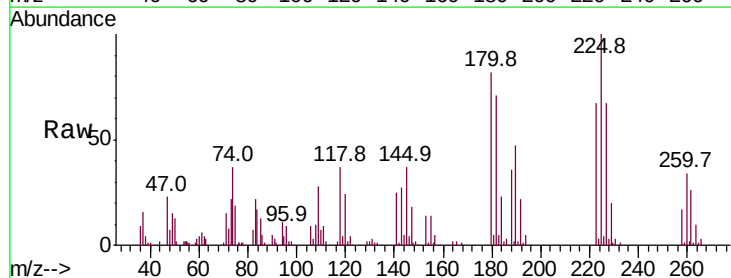


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

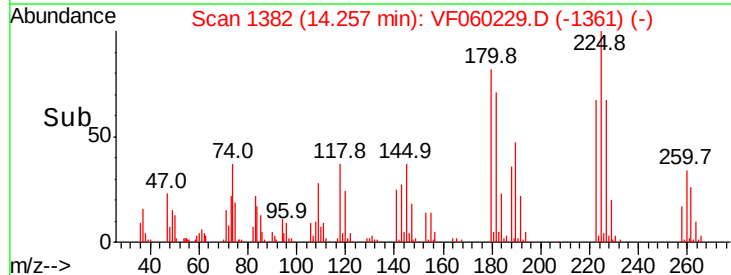
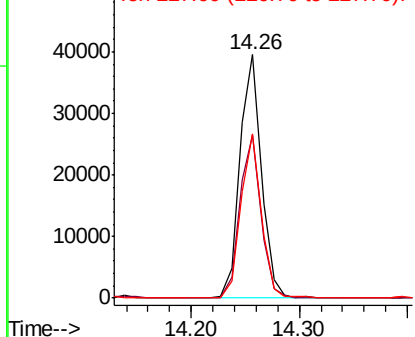


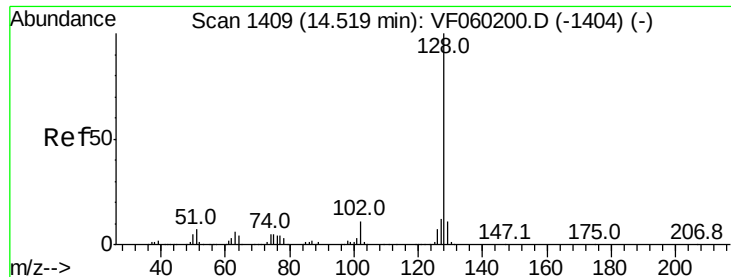
#94
 Hexachlorobutadiene
 Concen: 21.584 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060229.D
 Acq: 10 Sep 2018 12:40

Tgt Ion:225 Resp: 54782
 Ion Ratio Lower Upper
 225 100
 223 66.9 32.3 96.8
 227 67.4 32.4 97.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 17.017 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

Instrument :

MSVOA_F

ClientSampleId :

VF0910SBS01

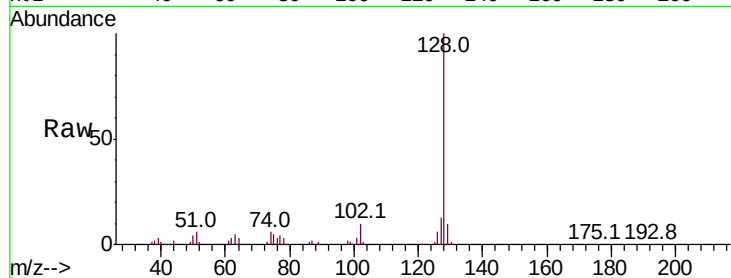
Tot Ion:128 Resp: 84515

Ion Ratio Lower Upper

128 100

127 13.0 9.9 14.9

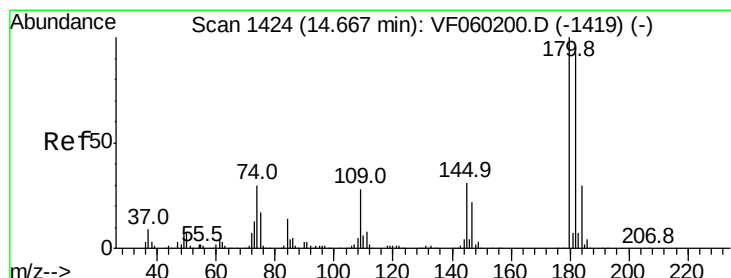
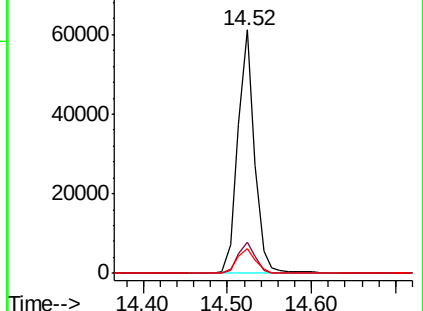
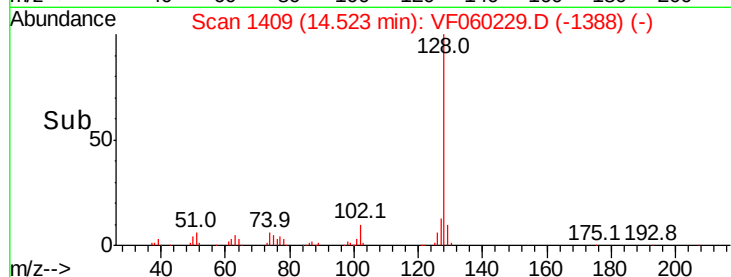
129 10.2 8.9 13.3



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: 19.787 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060229.D

Acq: 10 Sep 2018 12:40

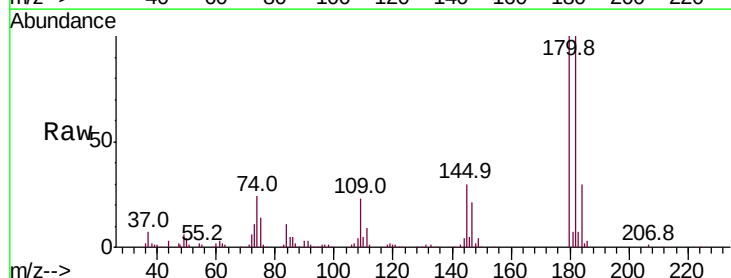
Tgt Ion:180 Resp: 66141

Ion Ratio Lower Upper

180 100

182 99.7 46.6 139.7

145 30.2 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

