

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059644.D
 Acq On : 24 Jul 2018 21:40
 Operator : VA/AP
 Sample : VF0724SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 25 05:11:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	225794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	311263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	287303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	185817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	152121	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	4.28	113	145732	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	7.70	98	355992	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.50	95	173674	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56763	21.474	ug/l	97
3) Chloromethane	1.08	50	34129	24.977	ug/l	95
4) Vinyl Chloride	1.15	62	34436	23.593	ug/l	92
5) Bromomethane	1.33	94	28092	25.146	ug/l	95
6) Chloroethane	1.41	64	21059	23.992	ug/l	94
7) Trichlorofluoromethane	1.48	101	30586	7.722	ug/l	98
8) Diethyl Ether	1.69	74	12208	22.135	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	51410	25.192	ug/l	92
10) Methyl Iodide	1.92	142	75955	23.282	ug/l	91
11) Tert butyl alcohol	2.67	59	11739	100.194	ug/l	97
12) 1,1-Dichloroethene	1.83	96	36694	23.823	ug/l	99
13) Acrolein	2.08	56	3896	67.823	ug/l	94
14) Allyl chloride	2.18	41	62385	23.297	ug/l	92
15) Acrylonitrile	3.05	53	20731	102.797	ug/l	95
16) Acetone	2.32	43	35631	72.159	ug/l	95
17) Carbon Disulfide	1.83	76	103010	26.252	ug/l	97
18) Methyl Acetate	2.44	43	15002	17.662	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	83329	20.461	ug/l	99
20) Methylene Chloride	2.27	84	32293	21.436	ug/l	97
21) trans-1,2-Dichloroethene	2.40	96	37972	23.405	ug/l	89
22) Diisopropyl ether	2.92	45	111076	21.626	ug/l	97
23) Vinyl Acetate	3.32	43	244157	103.045	ug/l	99
24) 1,1-Dichloroethane	2.99	63	81584	22.329	ug/l	98
25) 2-Butanone	4.49	43	54584	92.410	ug/l	98
26) 2,2-Dichloropropane	3.74	77	67564	23.062	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	42990	21.651	ug/l	96
28) Bromochloromethane	3.87	49	27755	20.904	ug/l	91
29) Tetrahydrofuran	4.24	42	22903	95.346	ug/l	94
30) Chloroform	4.02	83	109828	21.666	ug/l	98
31) Cyclohexane	3.84	56	54478	25.615	ug/l #	94
32) 1,1,1-Trichloroethane	4.26	97	99736	23.087	ug/l	93
36) 1,1-Dichloropropene	4.44	75	79386	24.893	ug/l	97
37) Ethyl Acetate	4.28	43	26048	21.234	ug/l	92
38) Carbon Tetrachloride	4.16	117	105874	24.058	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	66406	25.674	ug/l	92
40) Benzene	4.79	78	142944	24.231	ug/l	94
41) Methacrylonitrile	4.90	41	11741	19.683	ug/l #	85
42) 1,2-Dichloroethane	5.10	62	70411	20.143	ug/l	97
43) Isopropyl Acetate	7.11	43	26085	18.598	ug/l #	93
44) Trichloroethene	5.66	130	51106	23.471	ug/l	81
45) 1,2-Dichloropropane	6.39	63	31762	21.266	ug/l	98
46) Dibromomethane	6.25	93	27504	21.801	ug/l	92
47) Bromodichloromethane	6.53	83	76783	20.816	ug/l #	95
48) Methyl methacrylate	6.86	41	19432	18.821	ug/l	90
49) 1,4-Dioxane	6.85	88	3293	414.468	ug/l #	92
51) 4-Methyl-2-Pentanone	8.40	43	103722	100.619	ug/l	99
52) Toluene	7.77	92	92712	22.321	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	55774	18.975	ug/l	89
54) cis-1,3-Dichloropropene	7.44	75	64312	20.699	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	25910	19.699	ug/l #	89
56) Ethyl methacrylate	8.75	69	26825	19.079	ug/l	94
57) 1,3-Dichloropropane	8.99	76	46576	20.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	19198	106.376	ug/l	100
59) 2-Hexanone	9.62	43	75383	95.760	ug/l	92
60) Dibromochloromethane	8.85	129	47314	19.455	ug/l	96
61) 1,2-Dibromoethane	9.13	107	31186	19.417	ug/l	92
64) Tetrachloroethene	8.30	164	57696	25.343	ug/l	96
65) Chlorobenzene	9.92	112	121104	22.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	54417	22.054	ug/l	96
67) Ethyl Benzene	10.03	91	227075	23.740	ug/l	95
68) m/p-Xylenes	10.26	106	157285	46.022	ug/l	96
69) o-Xylene	10.82	106	82470	22.669	ug/l	99
70) Styrene	10.89	104	111472	21.217	ug/l	95
71) Bromoform	10.88	173	27850	20.049	ug/l	90
73) Isopropylbenzene	11.22	105	276618	23.686	ug/l	98
74) N-amyl acetate	11.45	43	53655	21.427	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	37338	21.112	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	30322	20.757	ug/l	93
77) Bromobenzene	11.59	156	61546	21.542	ug/l	92
78) n-propylbenzene	11.68	91	333030	23.957	ug/l	99
79) 2-Chlorotoluene	11.81	91	192475	23.006	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	244817	23.596	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	18447	20.516	ug/l	92
82) 4-Chlorotoluene	11.98	91	197101	22.077	ug/l	99
83) tert-Butylbenzene	12.21	119	242509	23.184	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	243877	22.902	ug/l	100
85) sec-Butylbenzene	12.38	105	326949	23.444	ug/l	97
86) p-Isopropyltoluene	12.54	119	284379	23.424	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	143142	25.976	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	117648	21.240	ug/l	94
89) n-Butylbenzene	12.91	91	284890	24.155	ug/l	98
90) Hexachloroethane	12.99	117	68526	23.138	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	120770	22.622	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	8194	17.968	ug/l	91

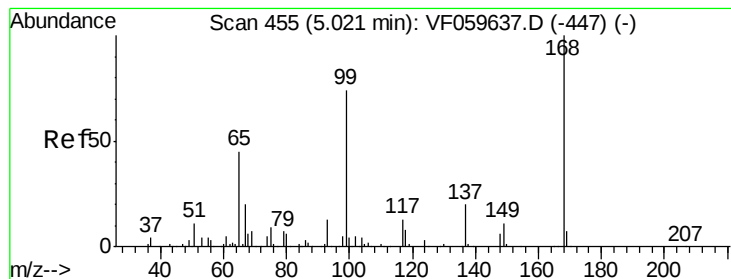
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072418\
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Quant Time: Jul 25 05:11:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 02:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	94979	21.832	ug/l	94
94) Hexachlorobutadiene	14.25	225	70387	22.822	ug/l	95
95) Naphthalene	14.52	128	133560	20.190	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	84061	22.287	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

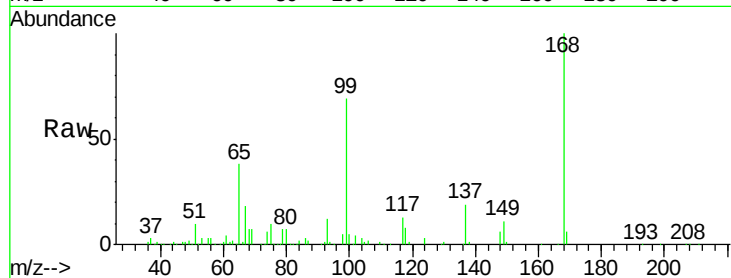
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 225794

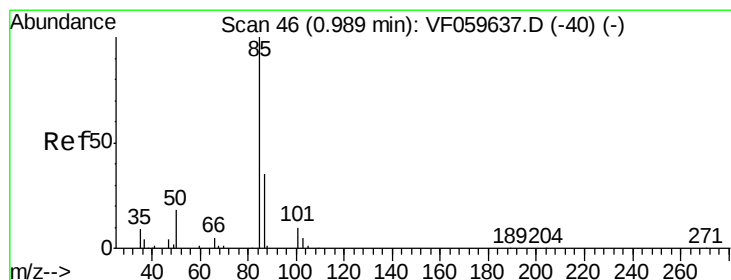
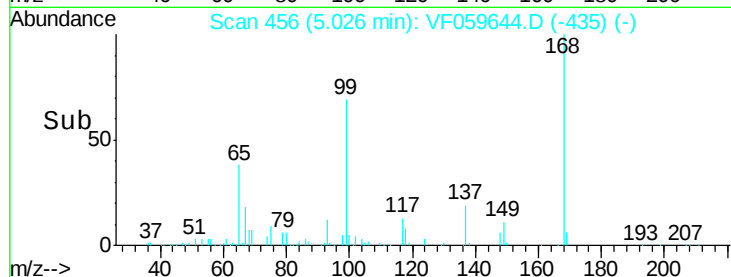
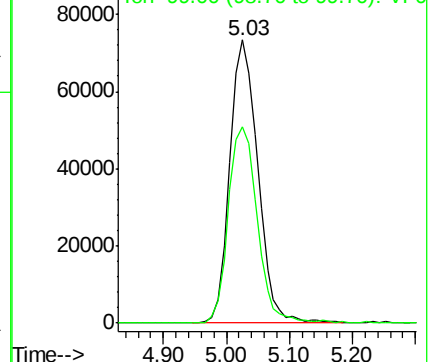
Ion Ratio Lower Upper

168 100

99 69.2 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.474 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059644.D

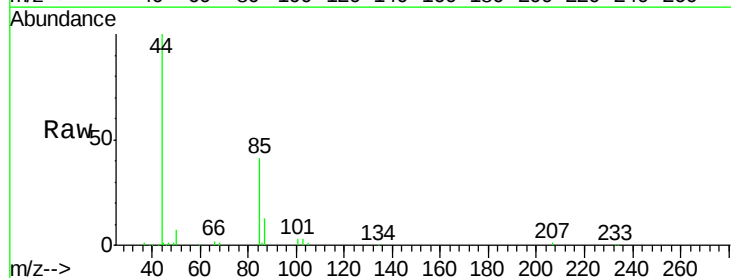
Acq: 24 Jul 2018 21:40

Tgt Ion: 85 Resp: 56763

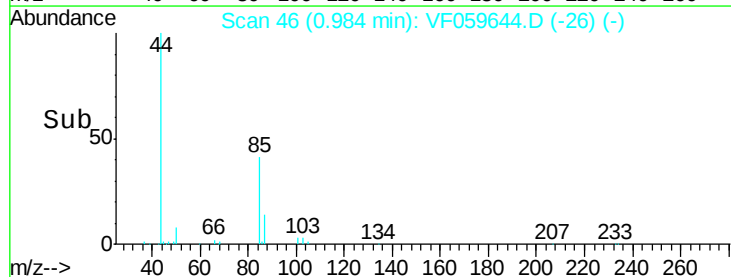
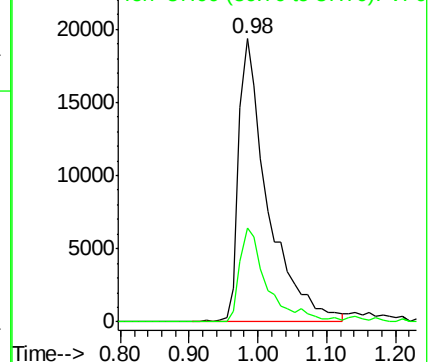
Ion Ratio Lower Upper

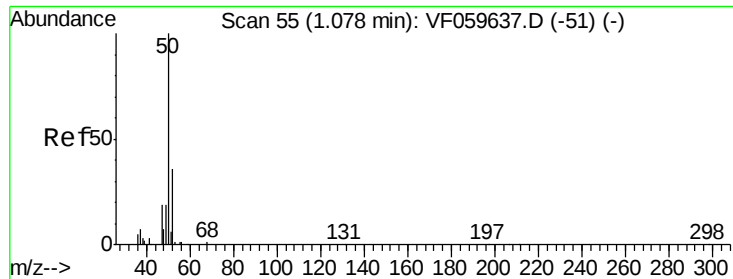
85 100

87 33.2 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 24.977 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

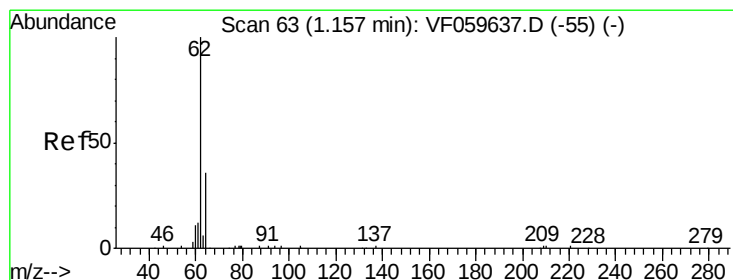
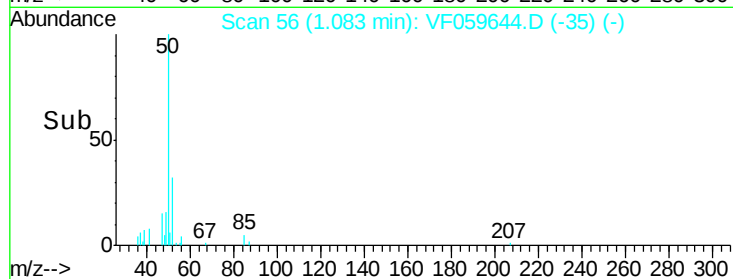
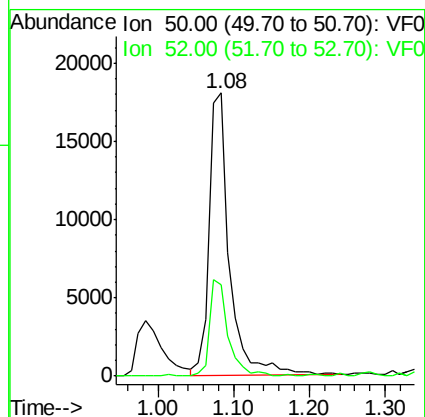
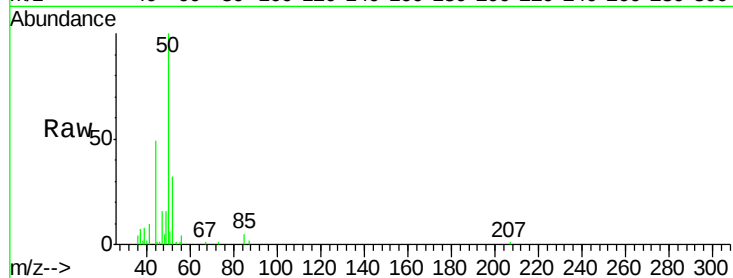
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 34129

Ion Ratio Lower Upper

50 100

52 32.3 28.0 42.0



#4

Vinyl Chloride

Concen: 23.593 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059644.D

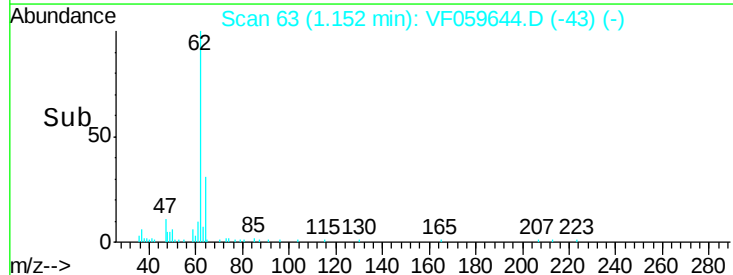
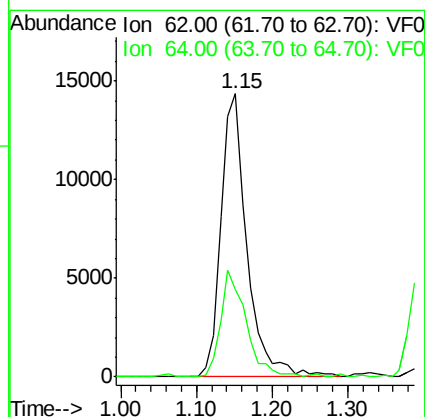
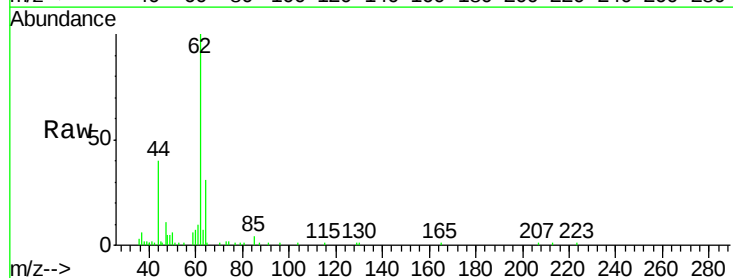
Acq: 24 Jul 2018 21:40

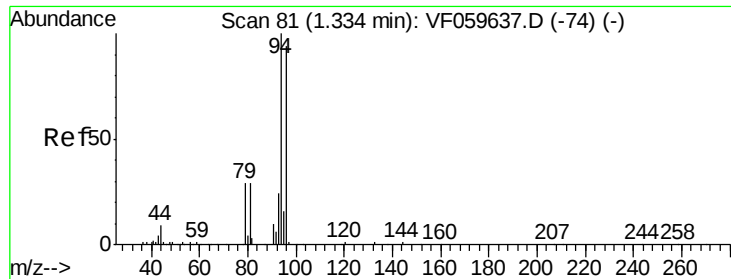
Tgt Ion: 62 Resp: 34436

Ion Ratio Lower Upper

62 100

64 31.1 28.6 43.0





#5

Bromomethane

Concen: 25.146 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

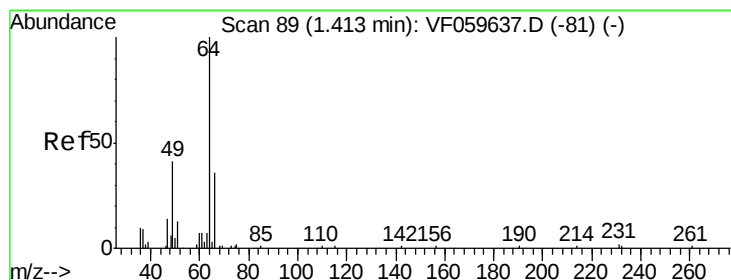
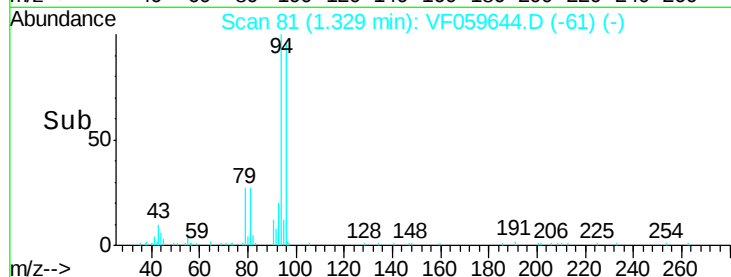
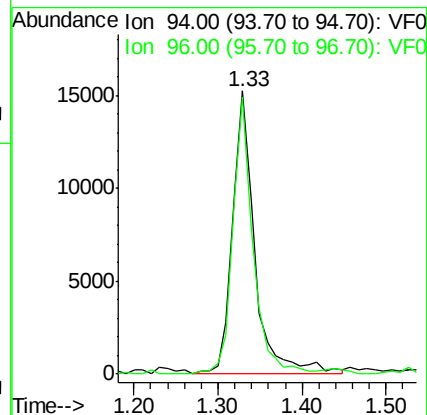
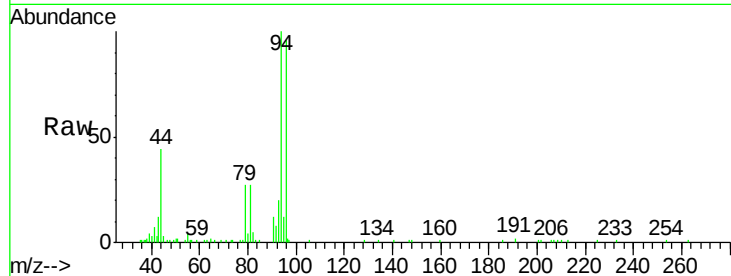
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 28092

Ion Ratio Lower Upper

94 100

96 98.0 74.6 112.0



#6

Chloroethane

Concen: 23.992 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059644.D

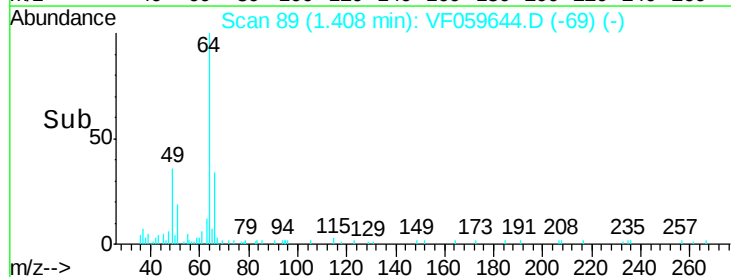
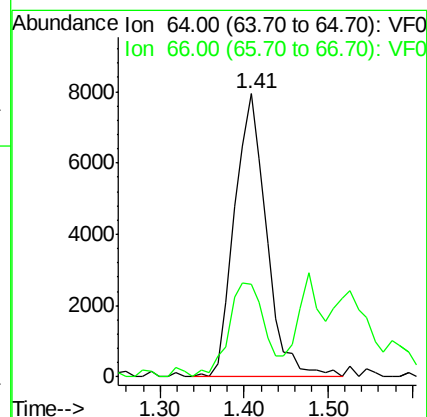
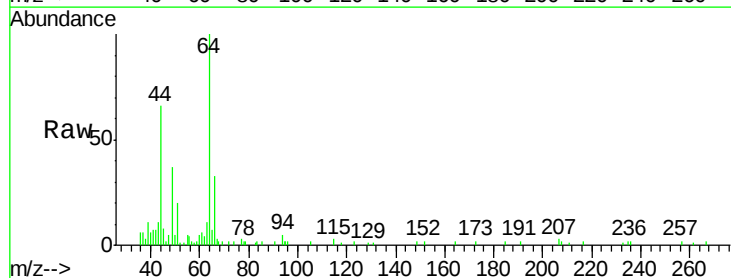
Acq: 24 Jul 2018 21:40

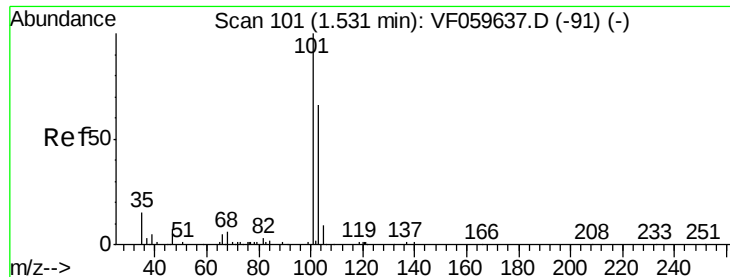
Tgt Ion: 64 Resp: 21059

Ion Ratio Lower Upper

64 100

66 32.9 29.0 43.6





#7

Trichlorofluoromethane

Concen: 7.722 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.05 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

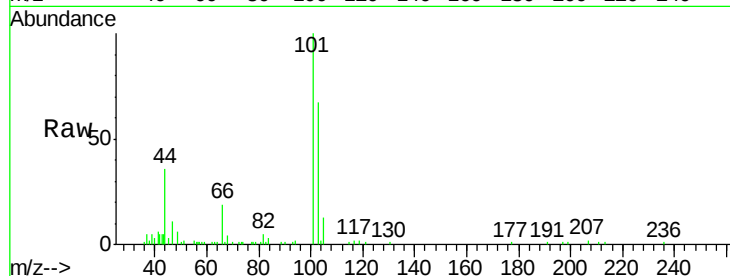
ClientSampleId :

Tot Ion:101 Resp: 30586

Ion Ratio Lower Upper

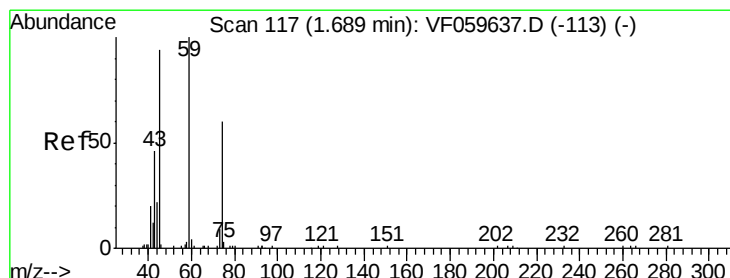
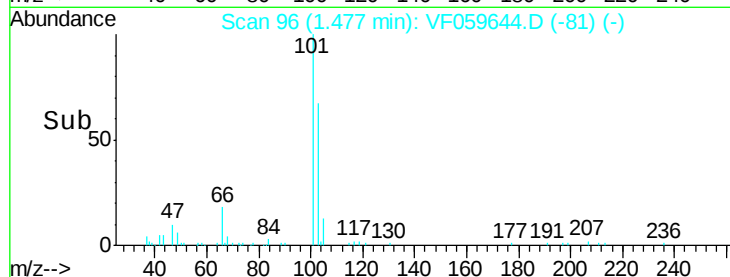
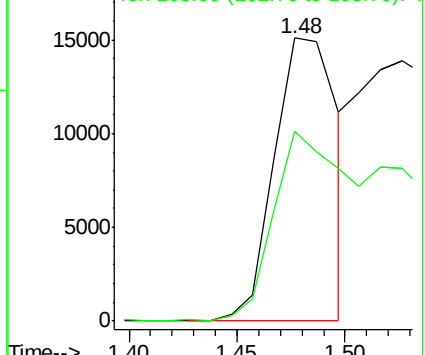
101 100

103 67.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.135 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059644.D

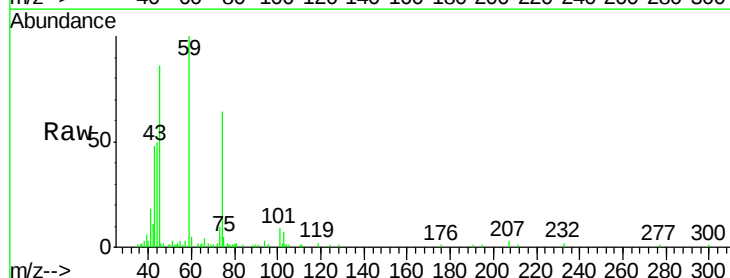
Acq: 24 Jul 2018 21:40

Tgt Ion: 74 Resp: 12208

Ion Ratio Lower Upper

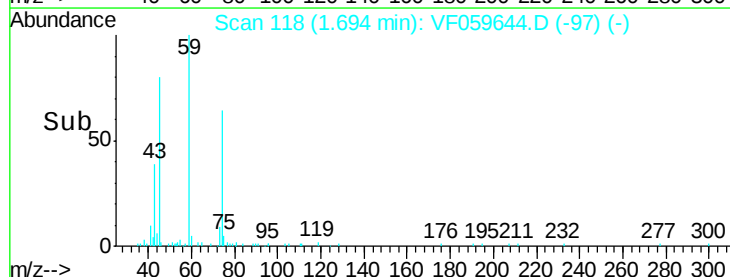
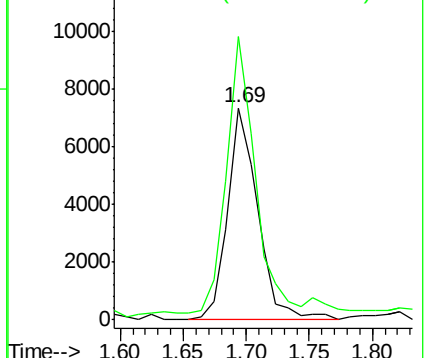
74 100

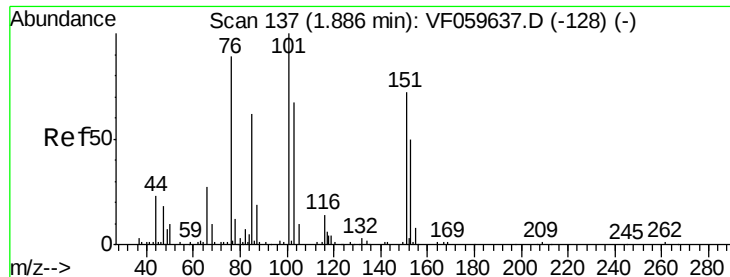
45 133.3 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.192 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

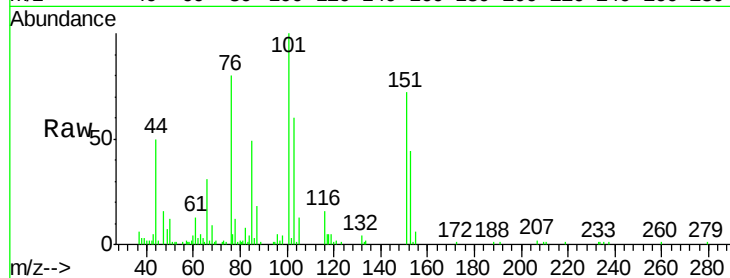
Tot Ion:101 Resp: 51410

Ion Ratio Lower Upper

101 100

85 49.4 49.0 73.4

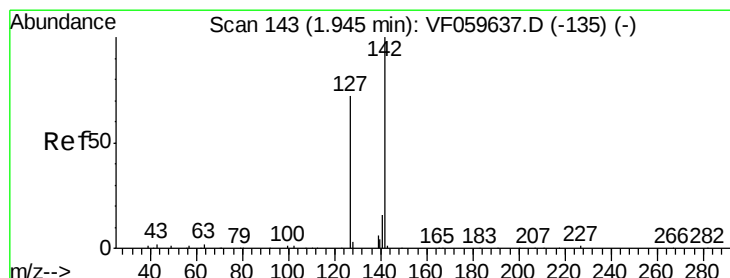
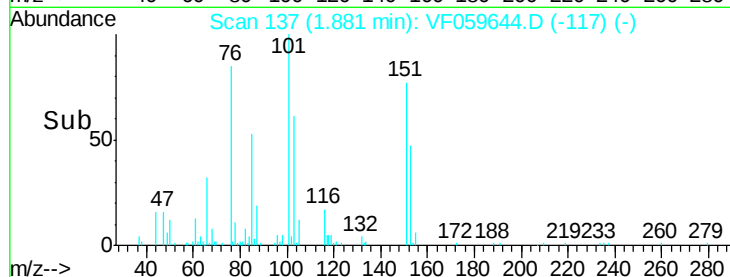
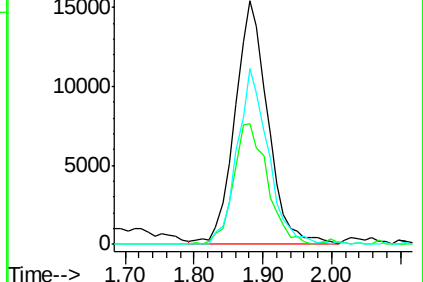
151 72.2 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.282 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

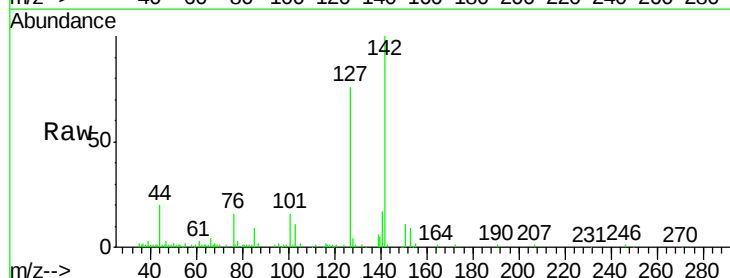
Tgt Ion:142 Resp: 75955

Ion Ratio Lower Upper

142 100

127 80.6 57.5 86.3

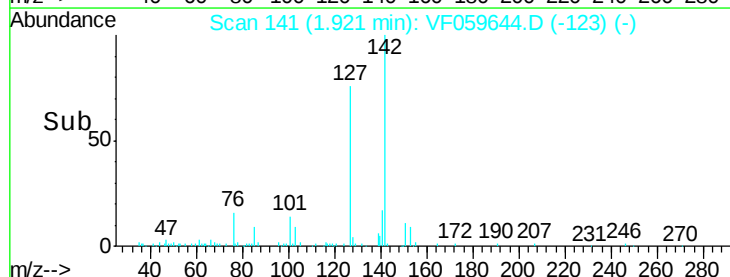
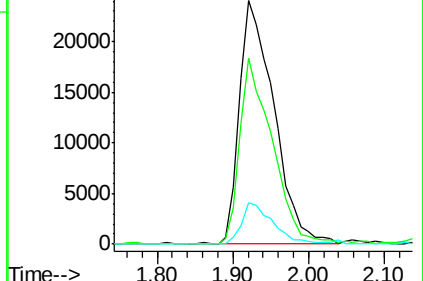
141 16.8 13.2 19.8

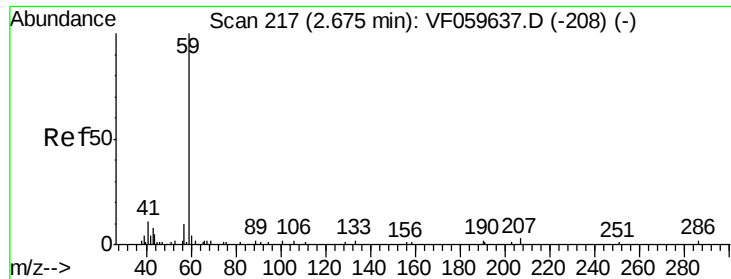


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



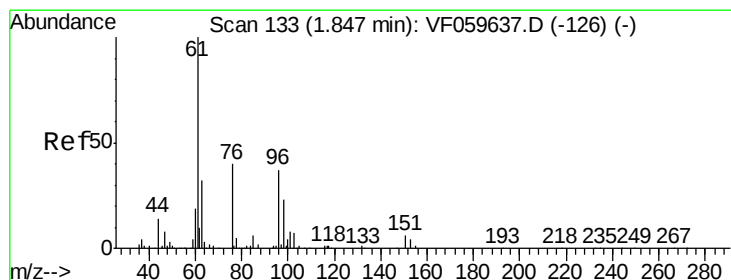
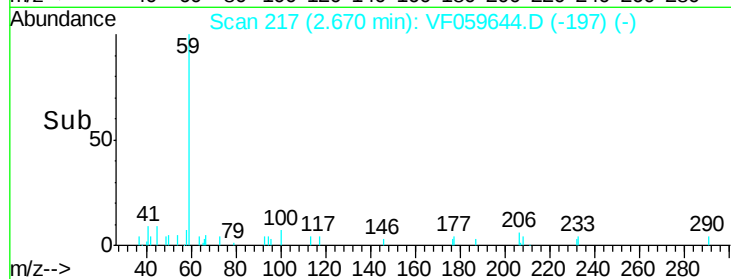
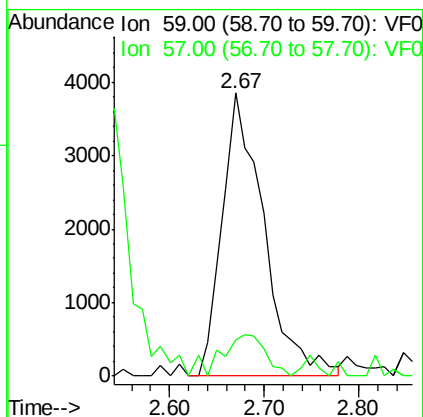
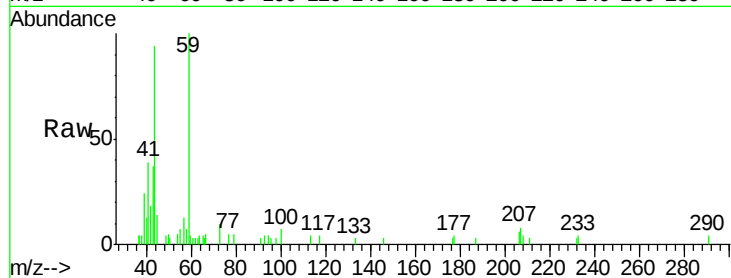


#11

Tert butyl alcohol
 Concen: 100.194 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :

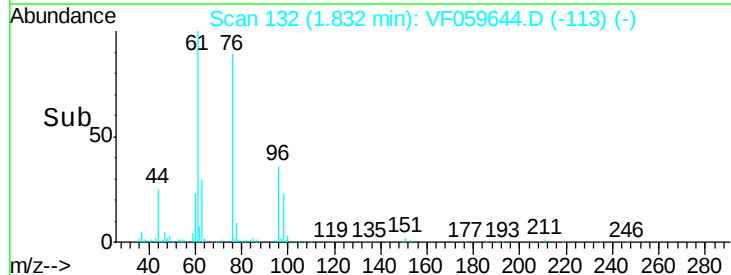
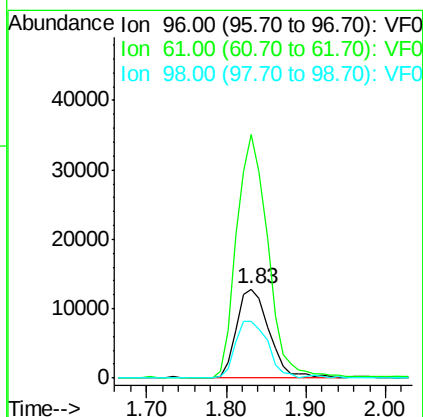
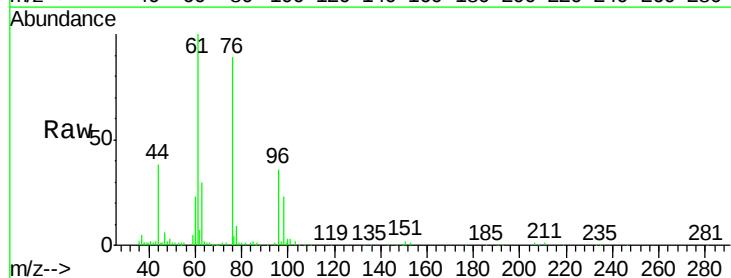
Tot Ion: 59 Resp: 11739
 Ion Ratio Lower Upper
 59 100
 57 13.0 11.4 17.2

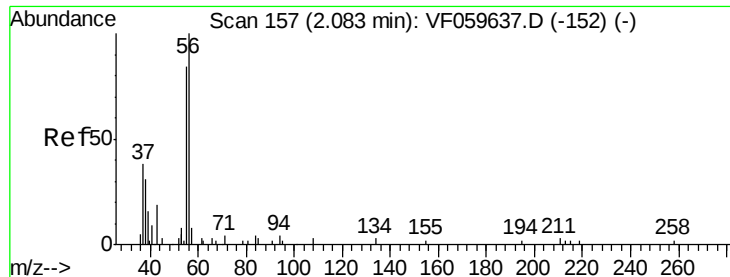


#12

1,1-Dichloroethene
 Concen: 23.823 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion: 96 Resp: 36694
 Ion Ratio Lower Upper
 96 100
 61 274.0 218.2 327.4
 98 63.8 50.6 76.0





#13

Acrolein

Concen: 67.823 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

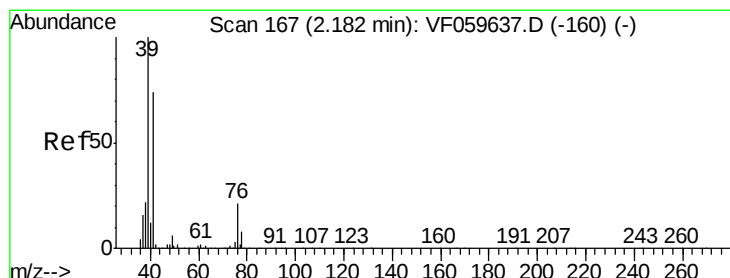
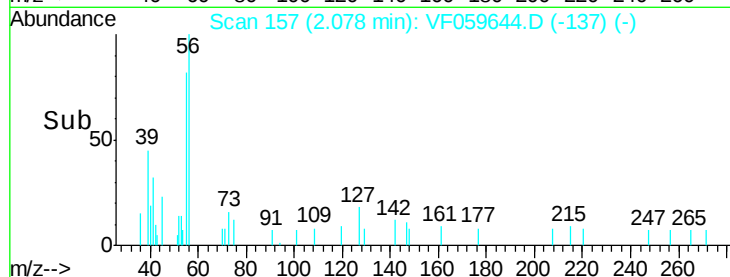
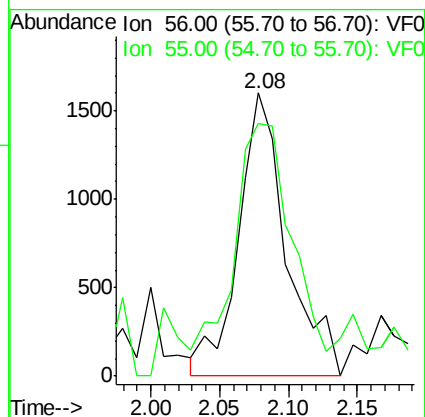
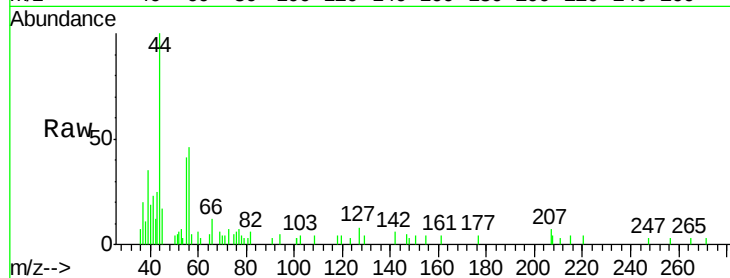
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 3896

Ion Ratio Lower Upper

56 100

55 89.3 67.2 100.8



#14

Allyl chloride

Concen: 23.297 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

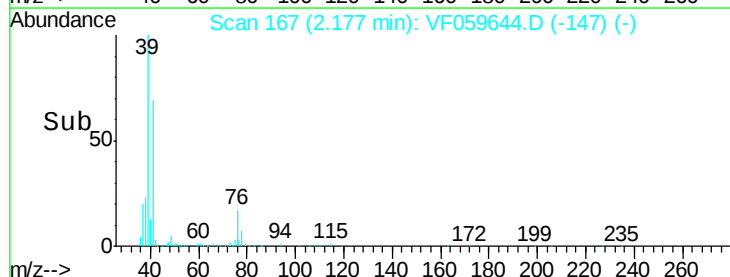
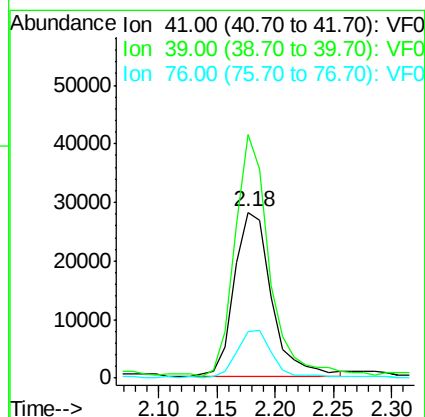
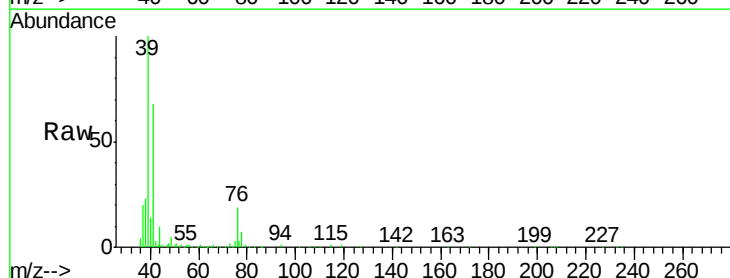
Tgt Ion: 41 Resp: 62385

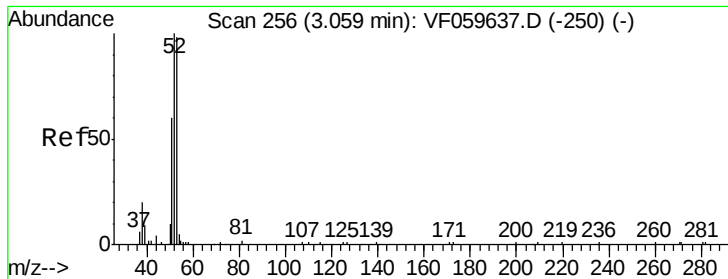
Ion Ratio Lower Upper

41 100

39 147.0 108.6 162.8

76 28.3 23.0 34.6





#15

Acrylonitrile

Concen: 102.797 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

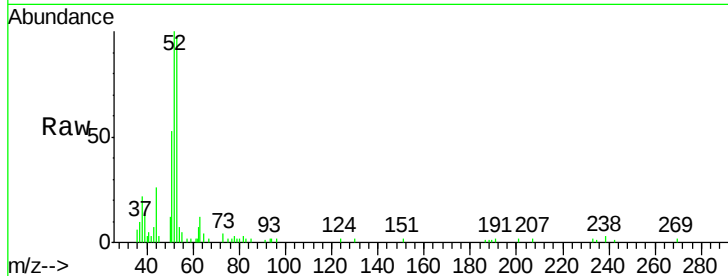
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 53 Resp: 20731

Ion	Ratio	Lower	Upper
53	100		
52	103.0	80.9	121.3
51	54.8	49.4	74.2

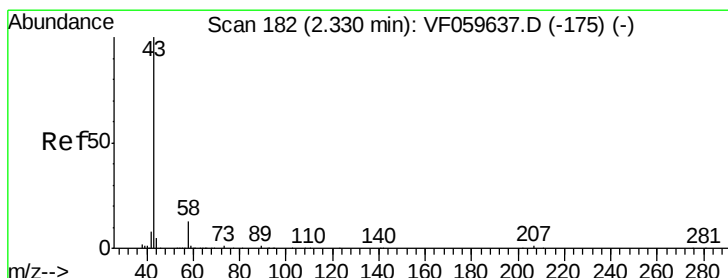
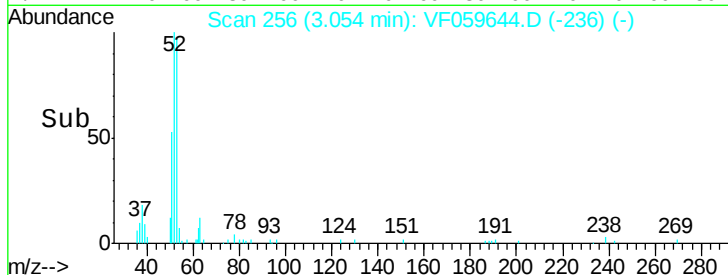
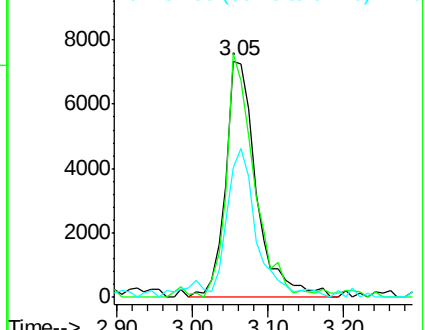


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 72.159 ug/l

RT: 2.32 min Scan# 182

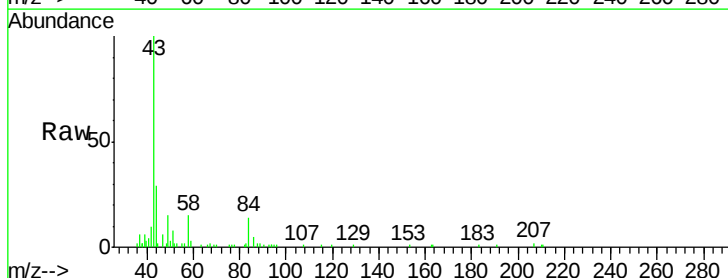
Delta R.T. -0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion: 43 Resp: 35631

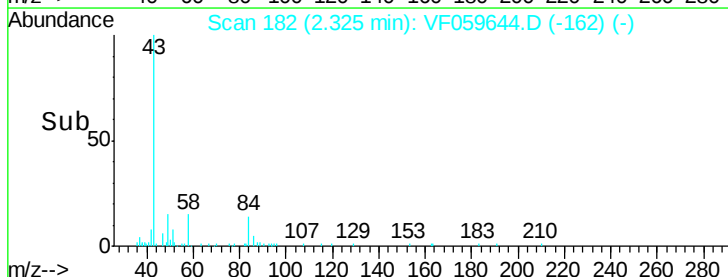
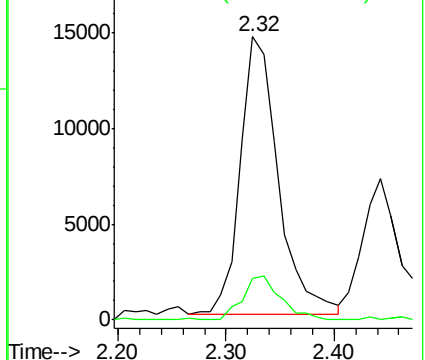
Ion	Ratio	Lower	Upper
43	100		
58	14.5	10.2	15.2

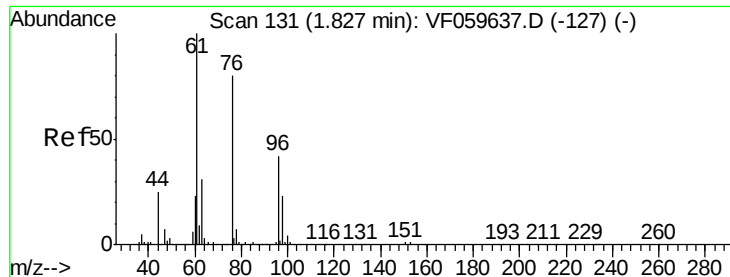


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 26.252 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

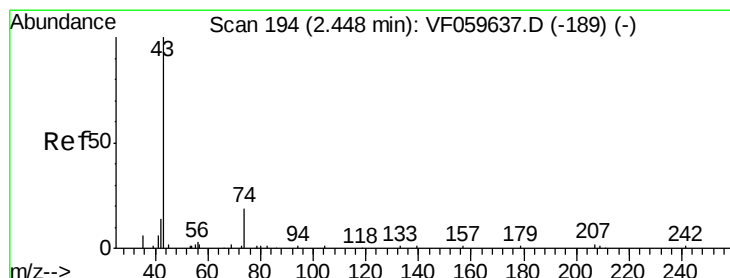
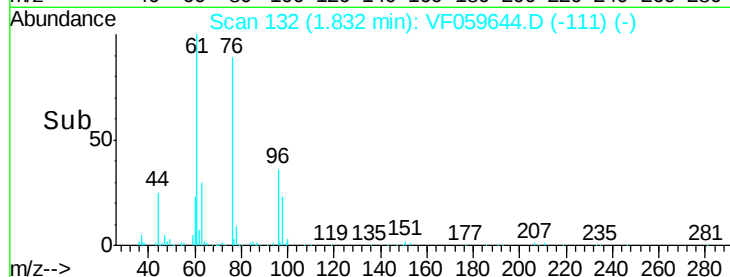
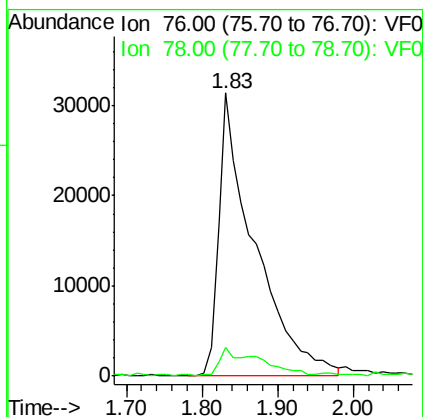
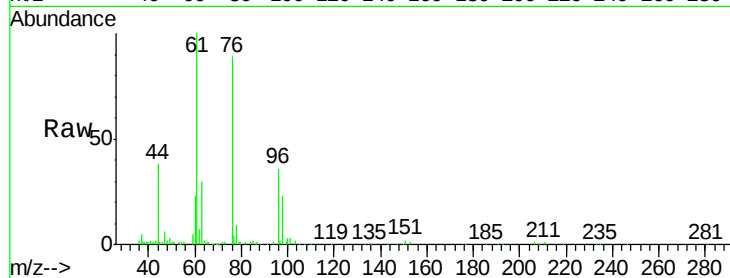
ClientSampleId :

Tot Ion: 76 Resp: 103010

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6



#18

Methyl Acetate

Concen: 17.662 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059644.D

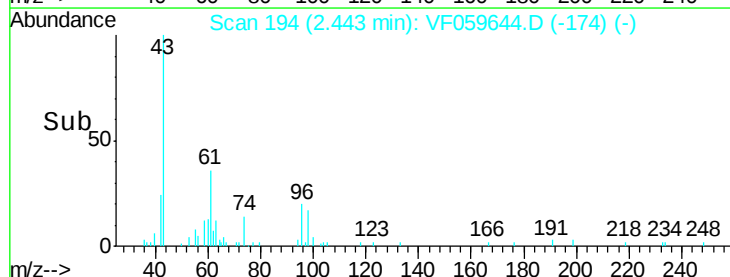
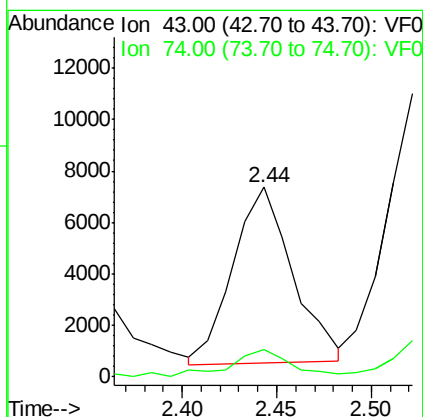
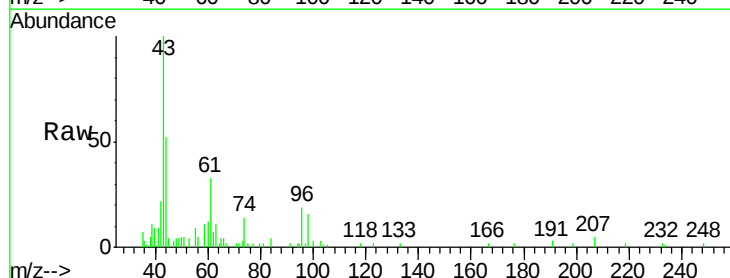
Acq: 24 Jul 2018 21:40

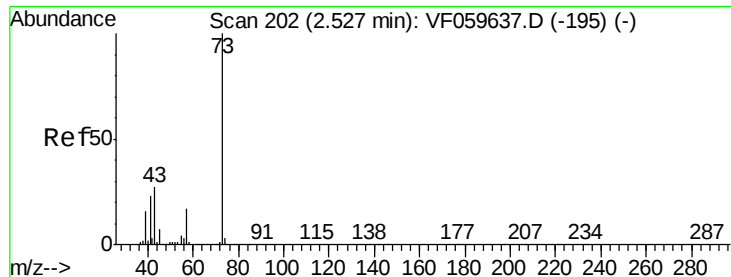
Tgt Ion: 43 Resp: 15002

Ion Ratio Lower Upper

43 100

74 14.4 13.0 19.6

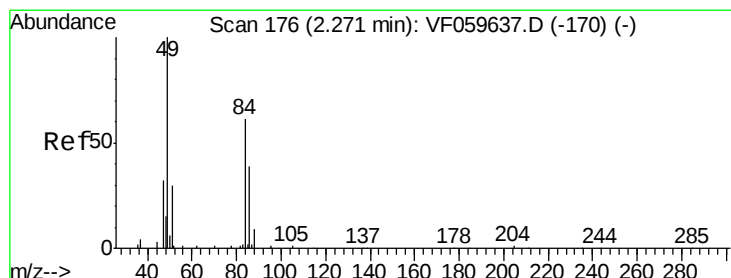
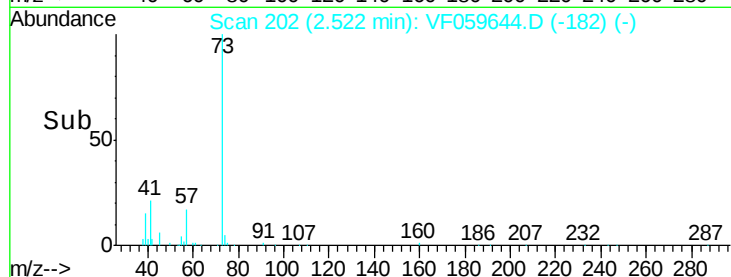
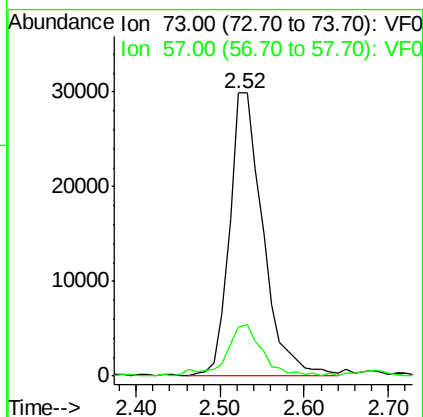
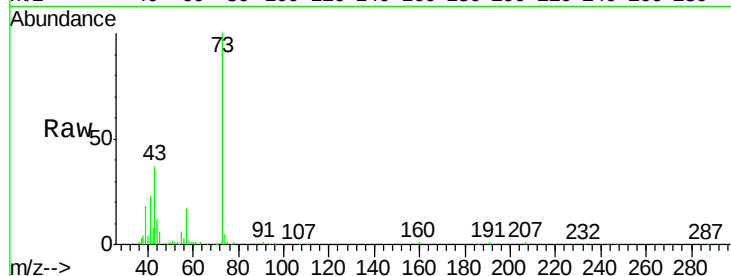




#19
Methyl tert-butyl Ether
Concen: 20.461 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

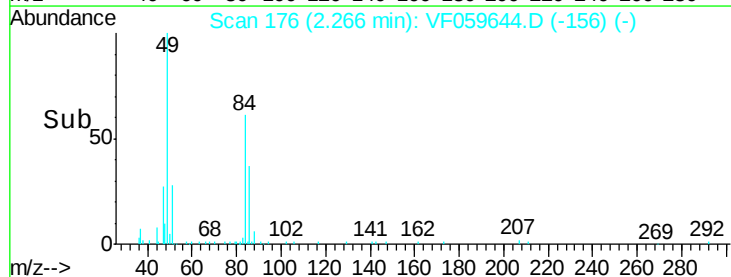
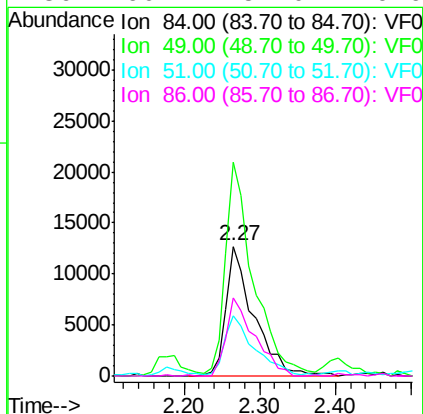
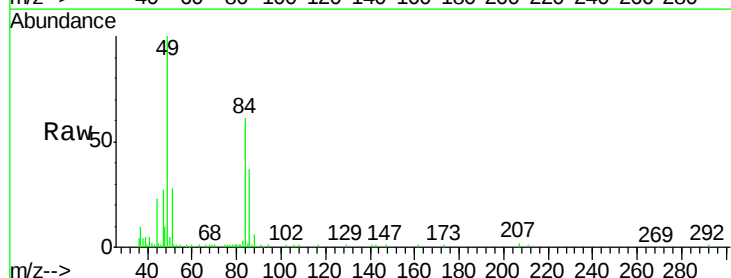
Instrument :
MSVOA_F
ClientSampleId :

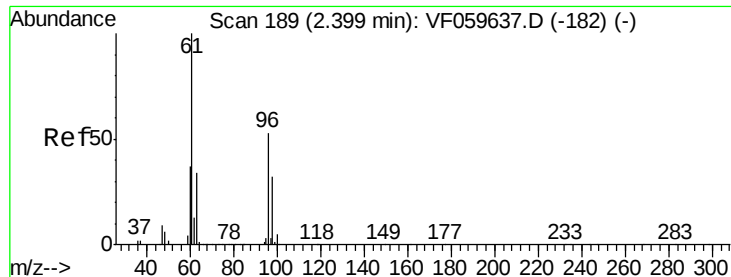
Tot Ion: 73 Resp: 83329
Ion Ratio Lower Upper
73 100
57 17.4 14.2 21.4



#20
Methylene Chloride
Concen: 21.436 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 84 Resp: 32293
Ion Ratio Lower Upper
84 100
49 164.9 133.8 200.8
51 46.6 41.1 61.7
86 60.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 23.405 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :

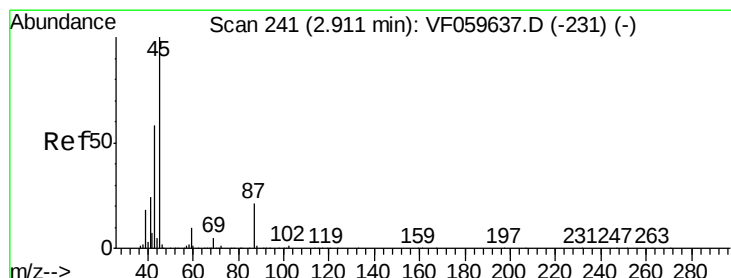
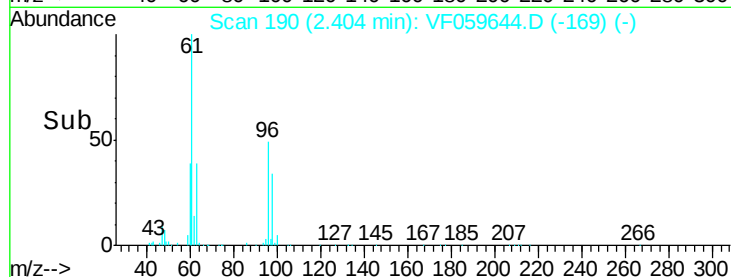
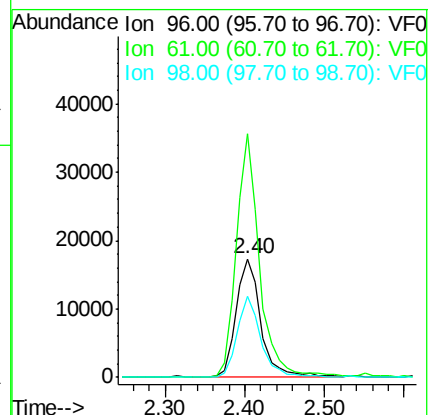
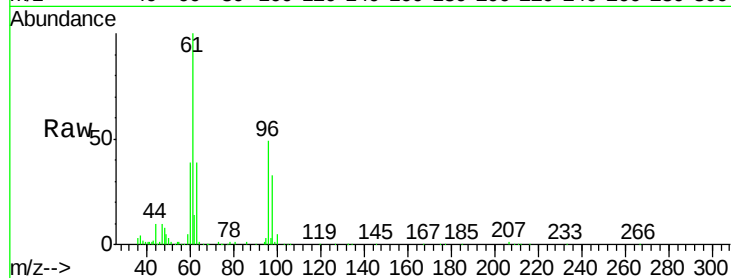
Tot Ion: 96 Resp: 37972

Ion Ratio Lower Upper

96 100

61 205.4 151.4 227.2

98 68.3 49.0 73.6



#22

Diisopropyl ether

Concen: 21.626 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion: 45 Resp: 111076

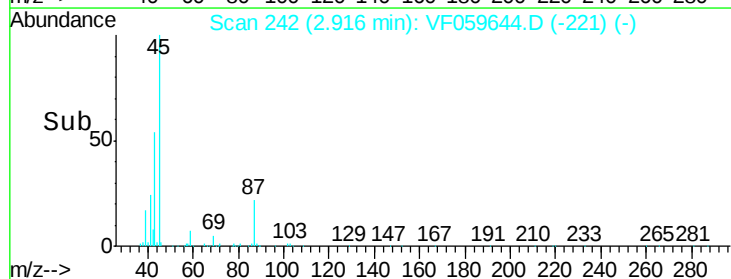
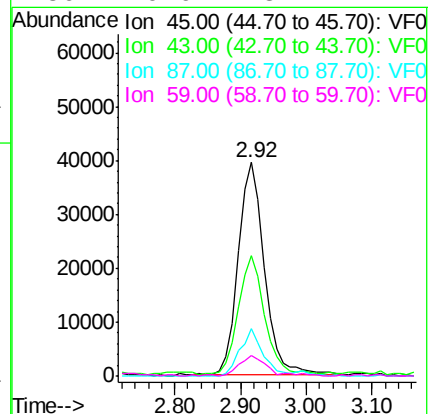
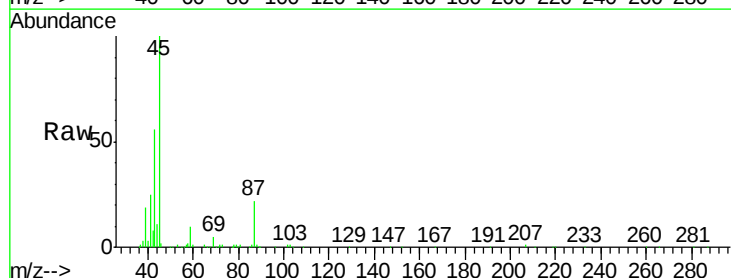
Ion Ratio Lower Upper

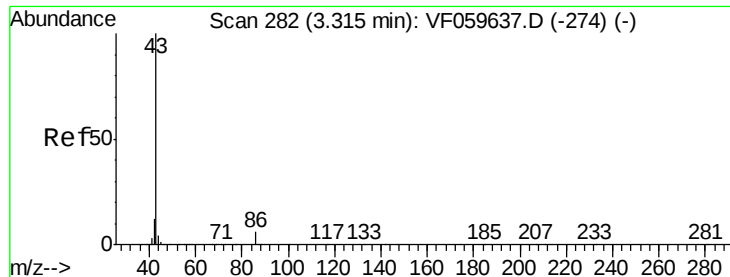
45 100

43 56.1 46.5 69.7

87 22.0 16.5 24.7

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 103.045 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

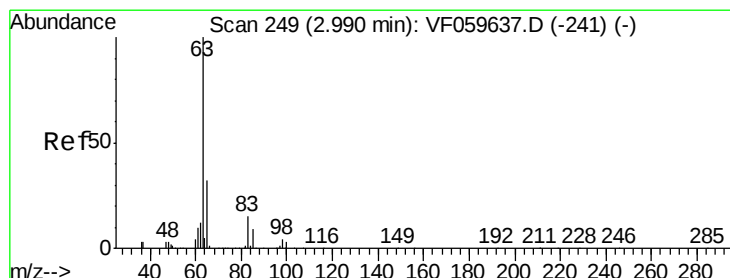
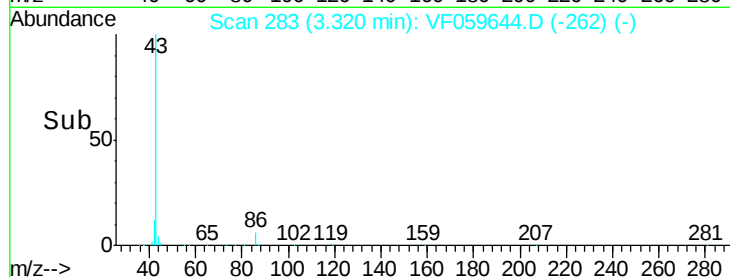
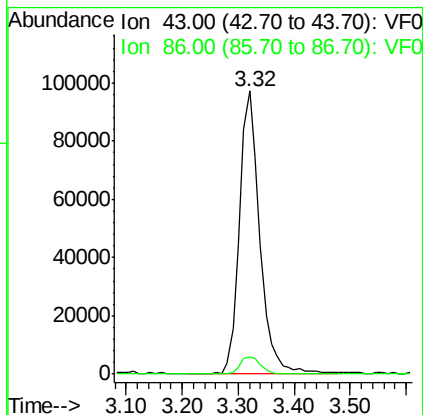
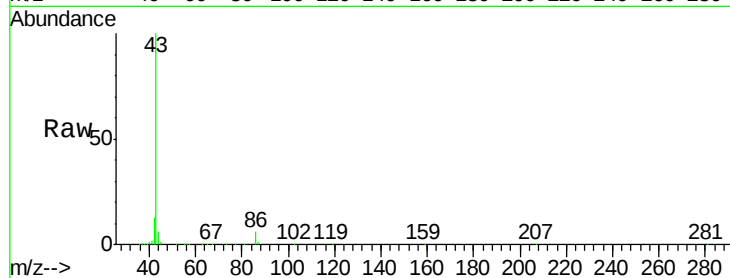
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 244157

Ion Ratio Lower Upper

43 100

86 6.1 4.5 6.7



#24

1,1-Dichloroethane

Concen: 22.329 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

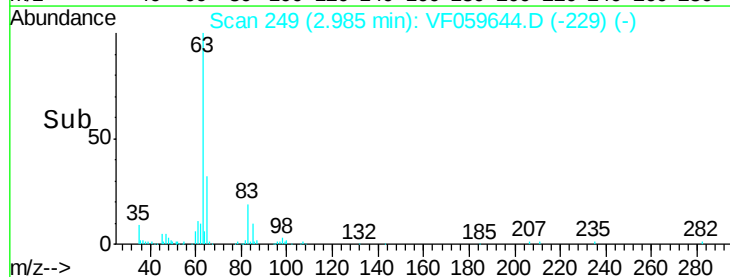
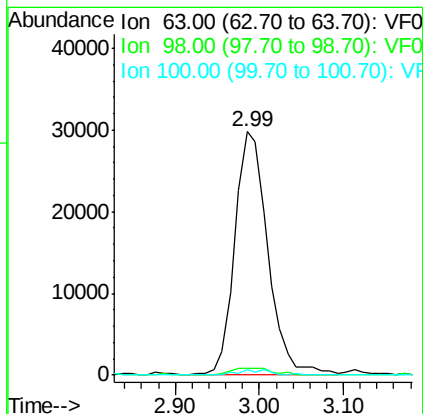
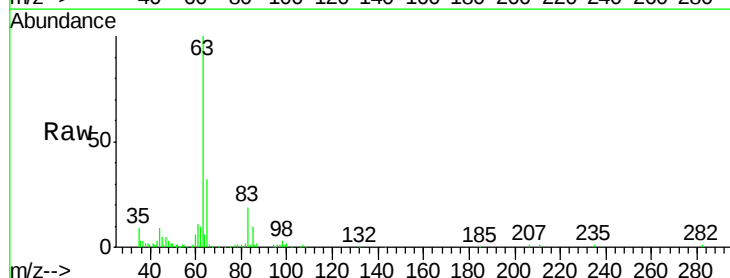
Tgt Ion: 63 Resp: 81584

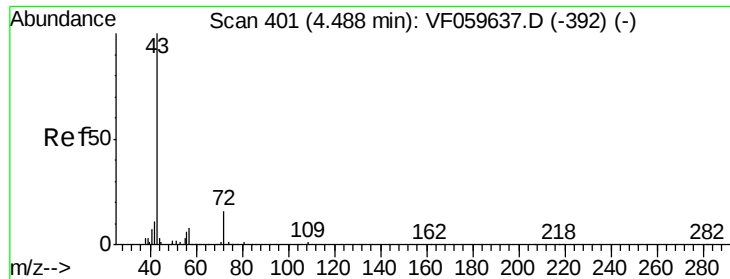
Ion Ratio Lower Upper

63 100

98 2.8 1.8 5.5

100 2.2 1.3 3.9





#25

2-Butanone

Concen: 92.410 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

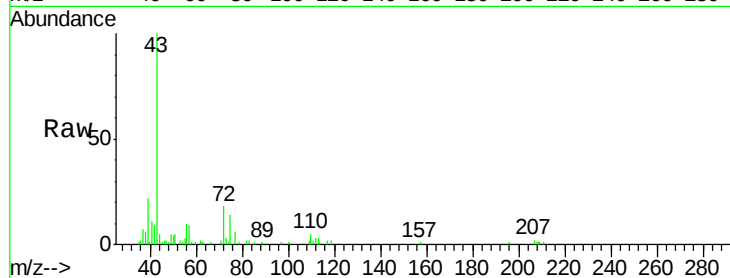
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 54584

Ion Ratio Lower Upper

43 100

72 17.9 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

15000

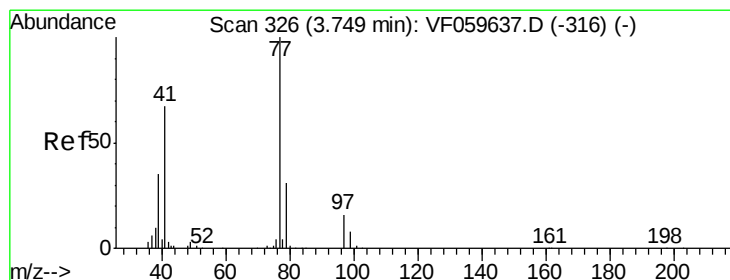
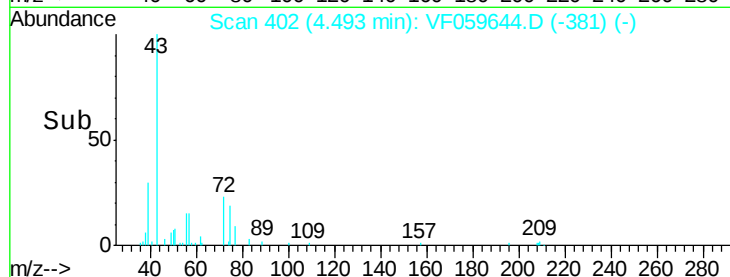
10000

5000

0

4.30 4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 23.062 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059644.D

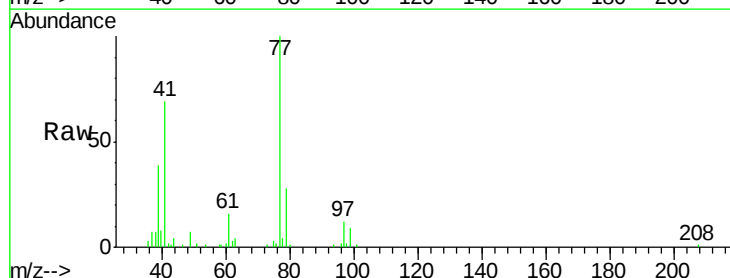
Acq: 24 Jul 2018 21:40

Tgt Ion: 77 Resp: 67564

Ion Ratio Lower Upper

77 100

97 12.1 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

20000

15000

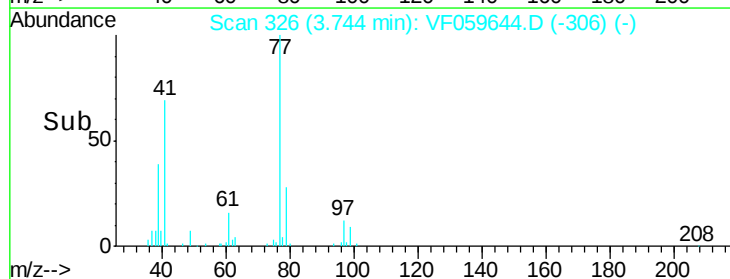
10000

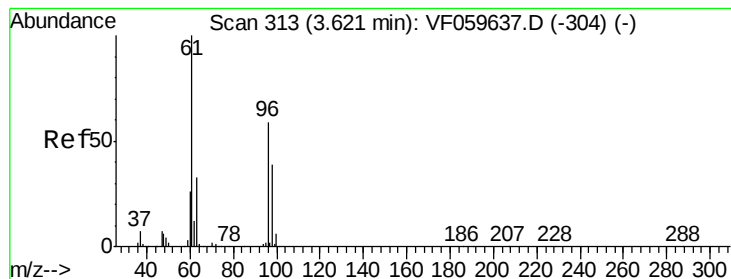
5000

0

3.60 3.70 3.80 3.90

Time-->



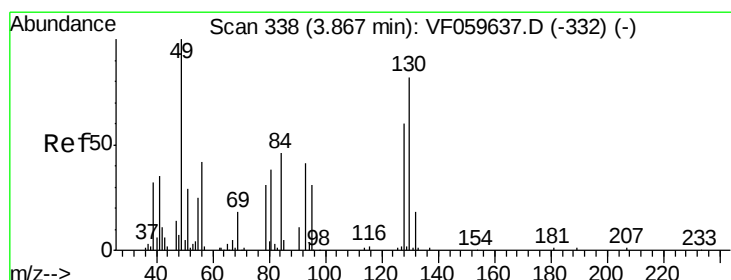
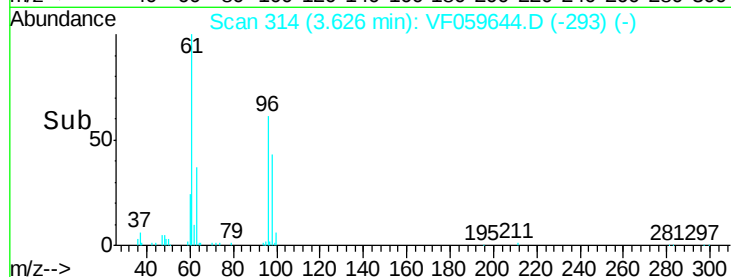
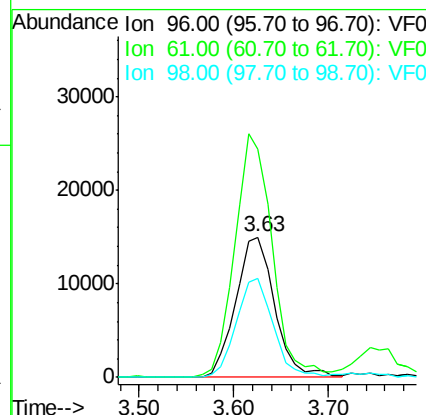
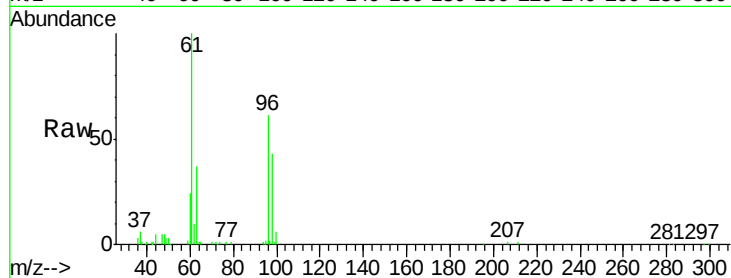


#27

cis-1,2-Dichloroethene
Concen: 21.651 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :

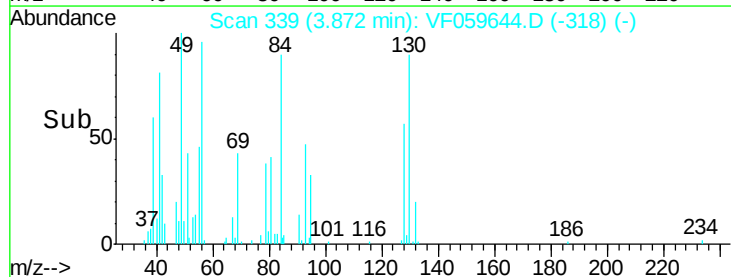
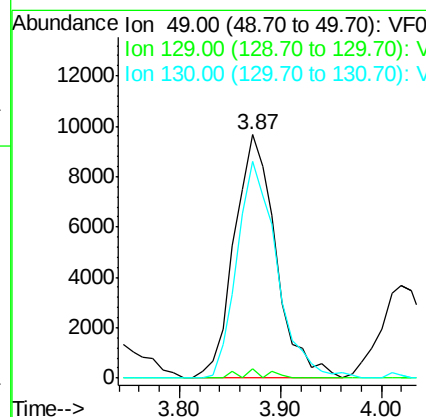
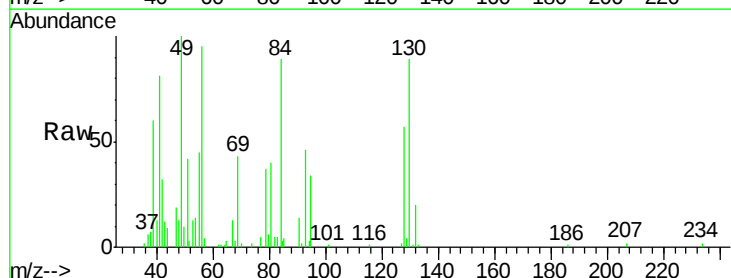
Tot Ion	96	Resp	42990
Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	337.4
98	70.4	0.0	132.8

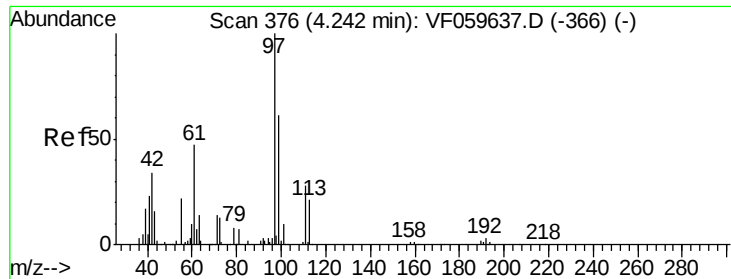


#28

Bromochloromethane
Concen: 20.904 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion	49	Resp	27755
Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	4.6
130	89.3	65.0	97.4

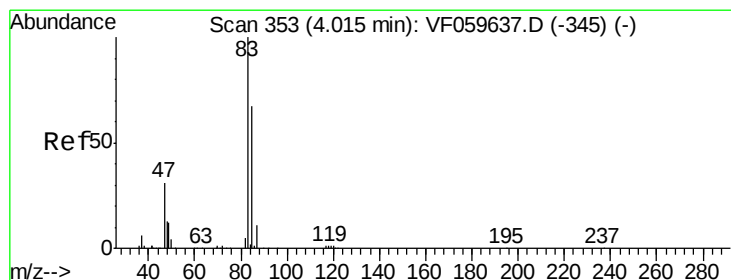
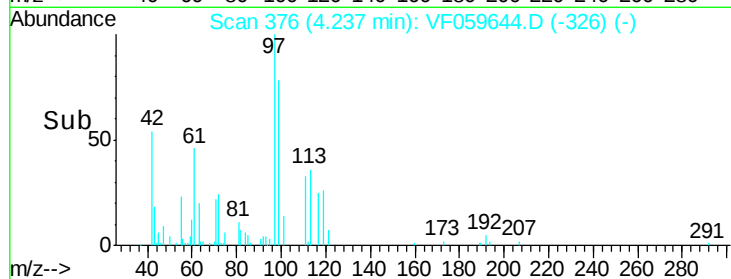
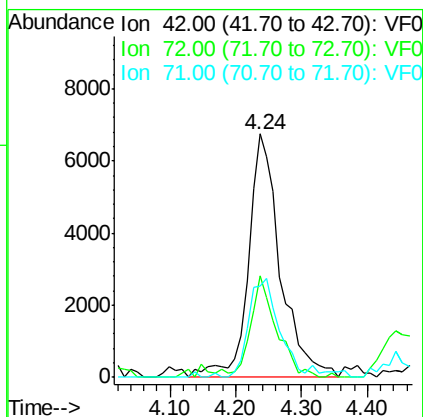
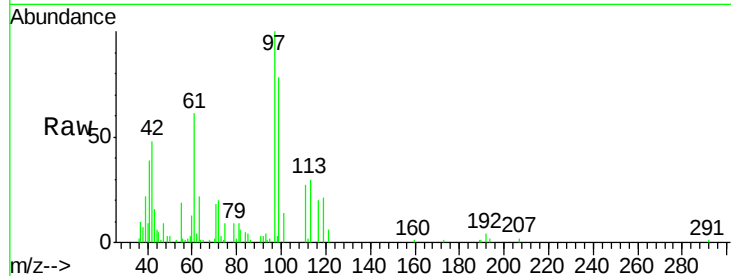




#29
Tetrahydrofuran
Concen: 95.346 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

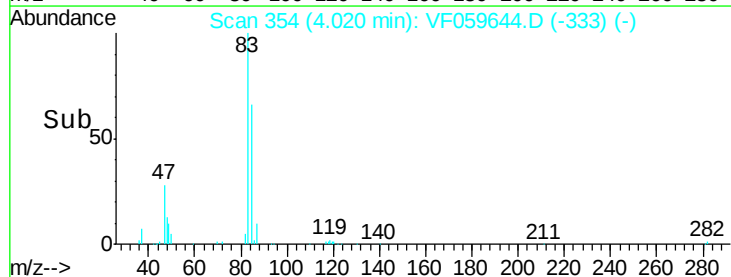
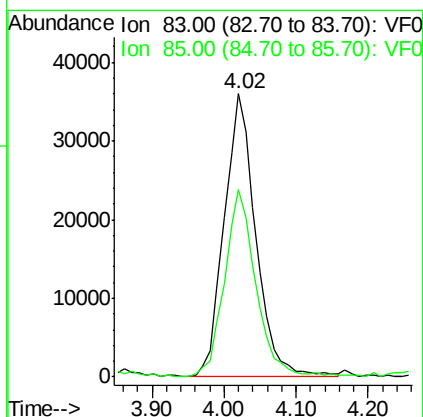
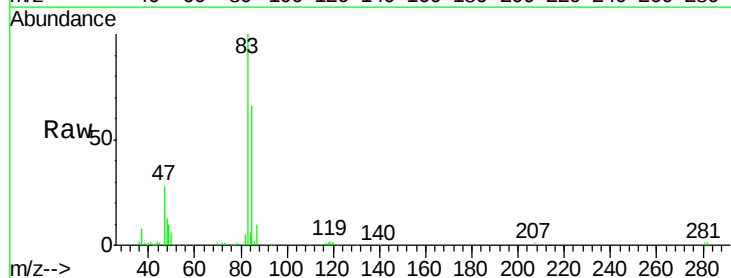
Instrument :
MSVOA_F
ClientSampleId :

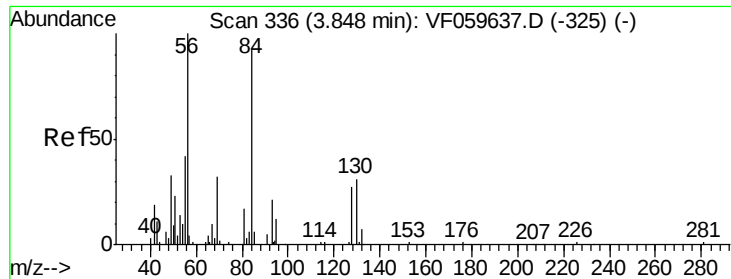
Tot Ion: 42 Resp: 22903
Ion Ratio Lower Upper
42 100
72 33.8 30.0 45.0
71 38.6 28.6 42.8



#30
Chloroform
Concen: 21.666 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 83 Resp: 109828
Ion Ratio Lower Upper
83 100
85 66.0 53.8 80.8

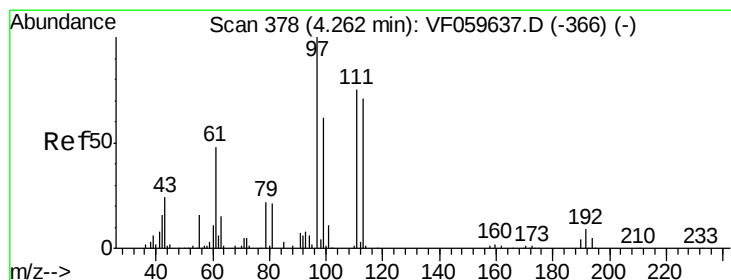
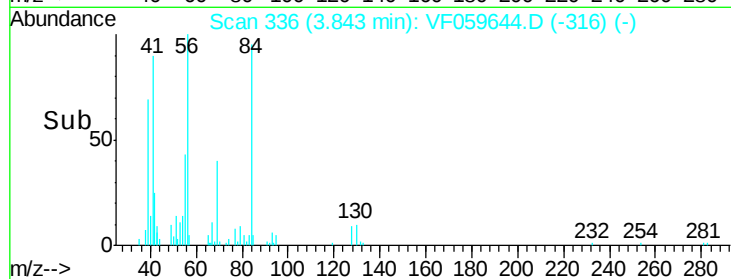
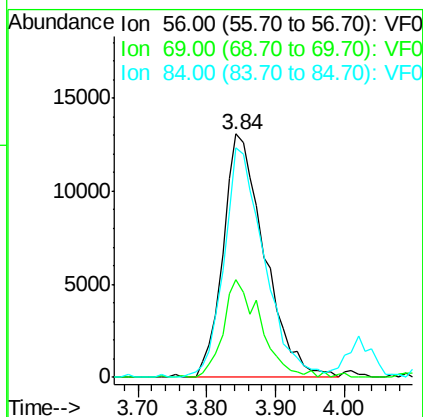
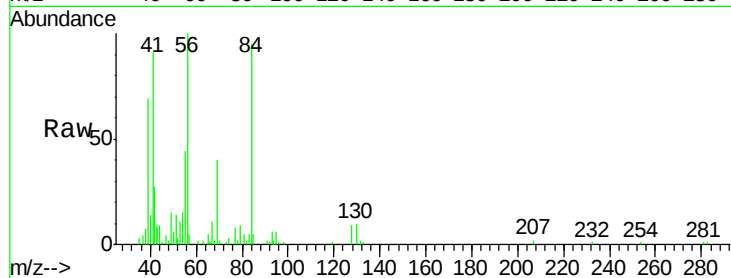




#31
Cyclohexane
Concen: 25.615 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

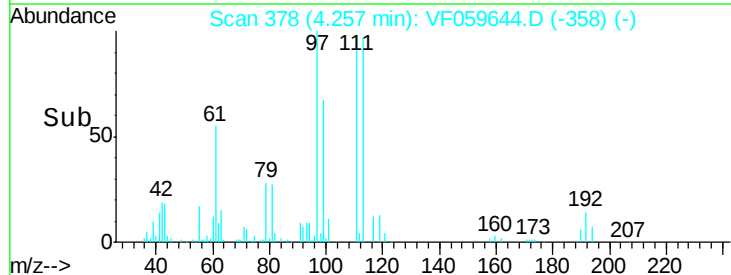
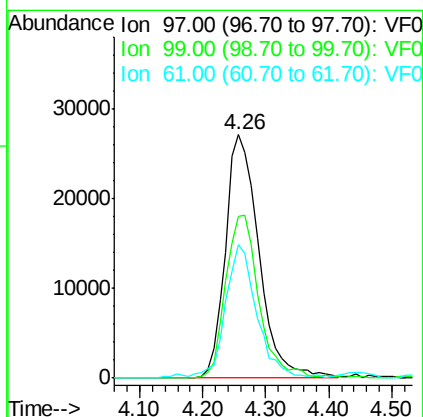
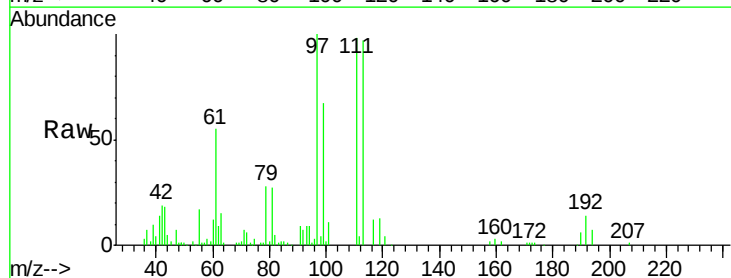
Instrument :
MSVOA_F
ClientSampled :

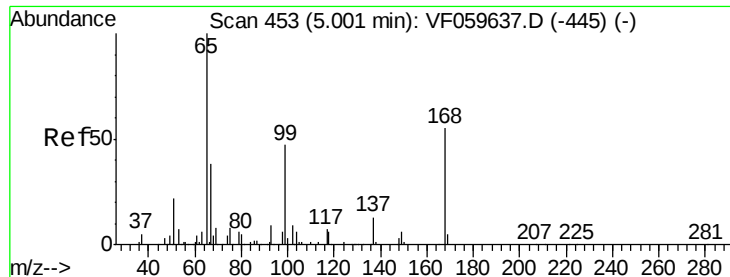
Tot Ion: 56 Resp: 54478
Ion Ratio Lower Upper
56 100
69 40.1 26.0 39.0#
84 94.5 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 23.087 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 97 Resp: 99736
Ion Ratio Lower Upper
97 100
99 66.6 49.8 74.6
61 55.0 38.9 58.3

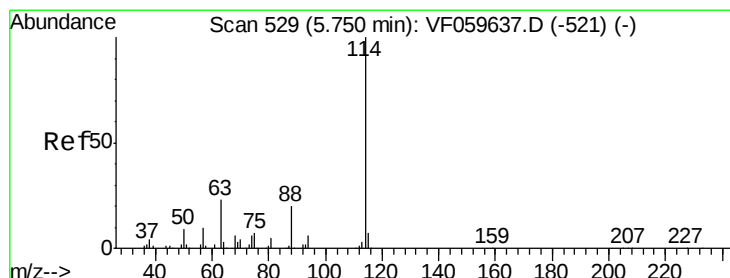
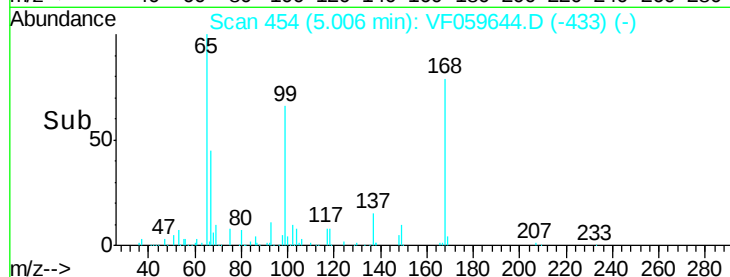
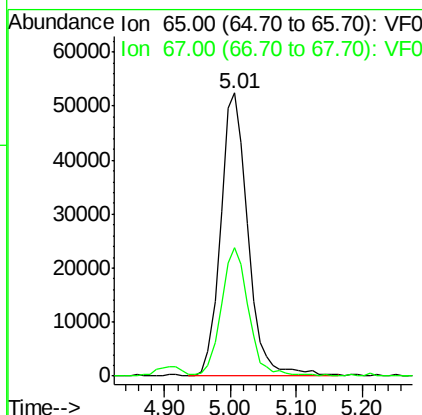
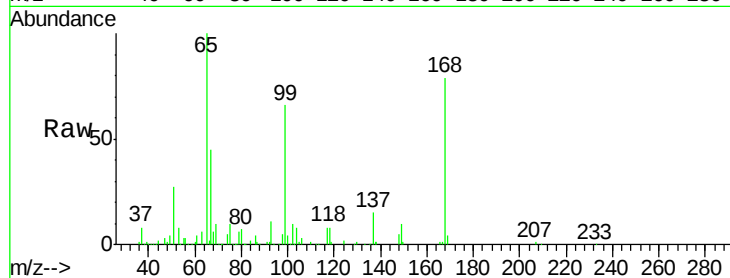




#33
 1,2-Dichloroethane-d4
 Concen: 48.352 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

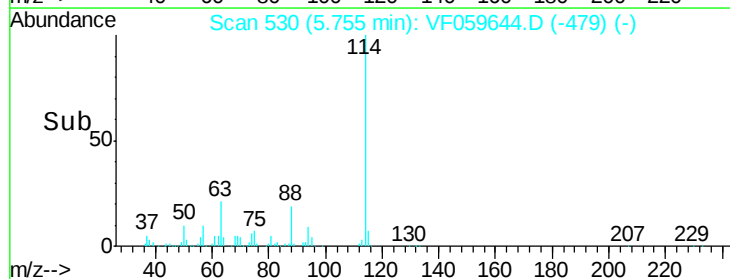
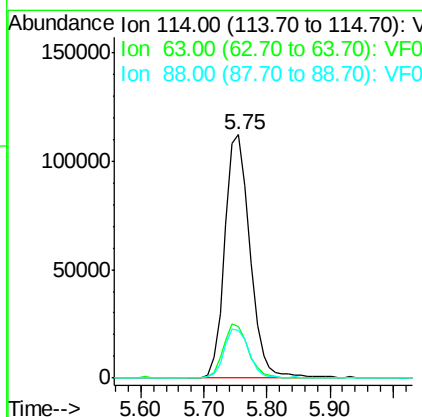
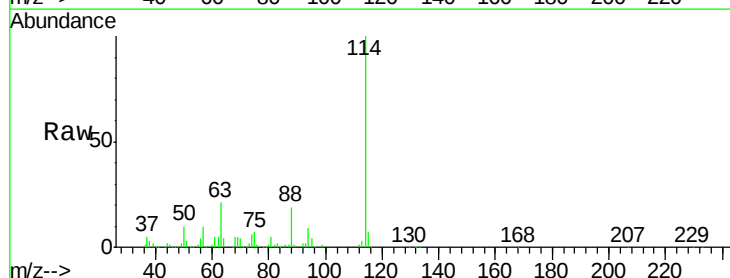
Instrument :
 MSVOA_F
 ClientSampled :

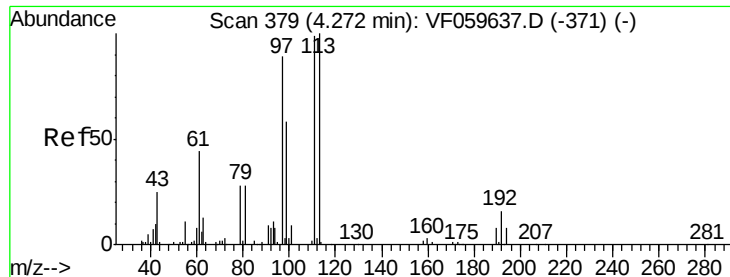
Tot Ion: 65 Resp: 152121
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 86.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion: 114 Resp: 311263
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.6
 88 19.5 0.0 40.8

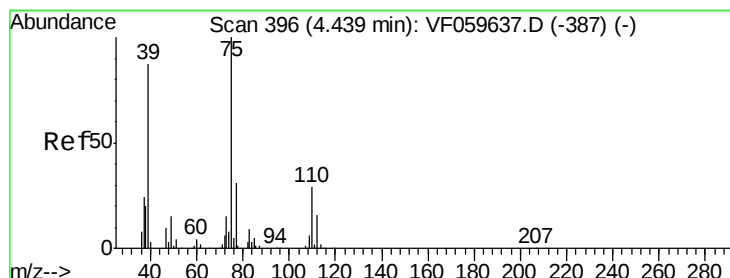
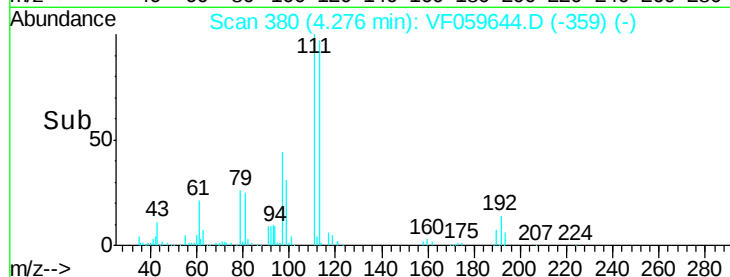
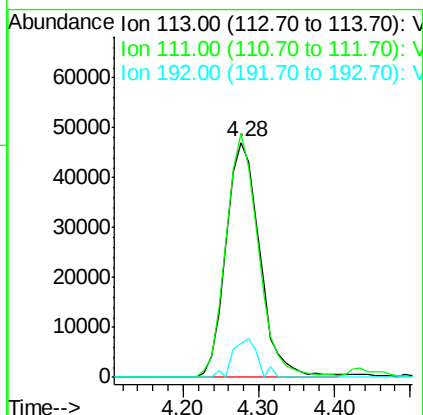
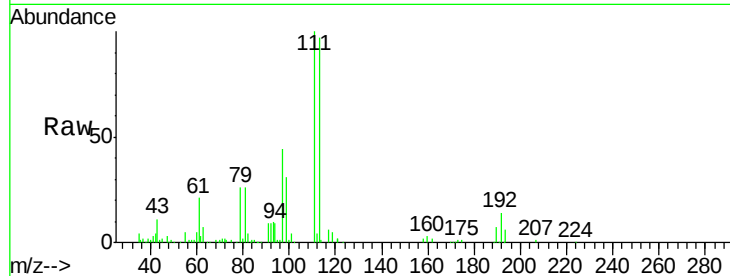




#35
 Dibromofluoromethane
 Concen: 52.024 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

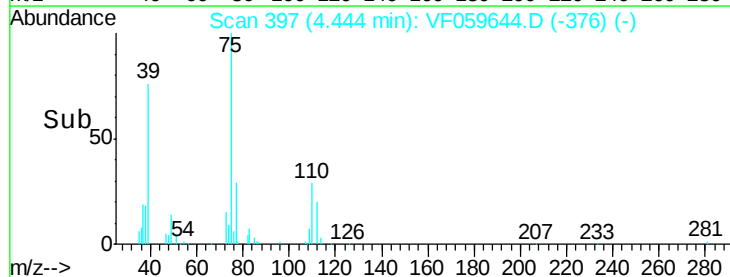
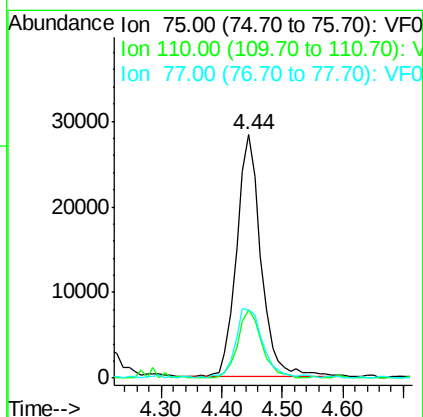
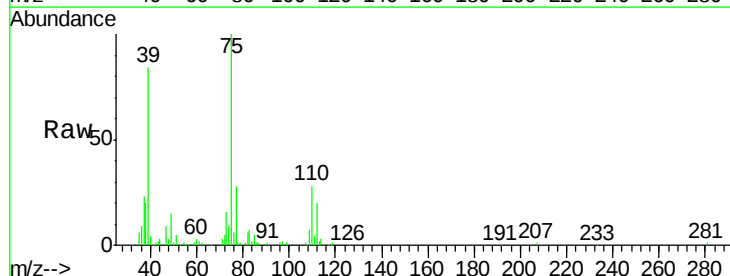
Instrument :
 MSVOA_F
 ClientSampleId :

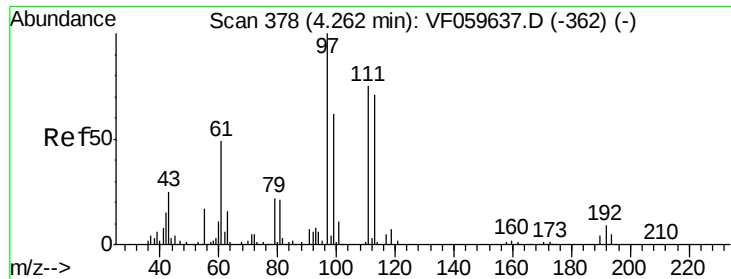
Tot Ion:113 Resp: 145732
 Ion Ratio Lower Upper
 113 100
 111 103.6 79.3 118.9
 192 14.5 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 24.893 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion: 75 Resp: 79386
 Ion Ratio Lower Upper
 75 100
 110 28.1 14.6 43.8
 77 28.2 24.4 36.6

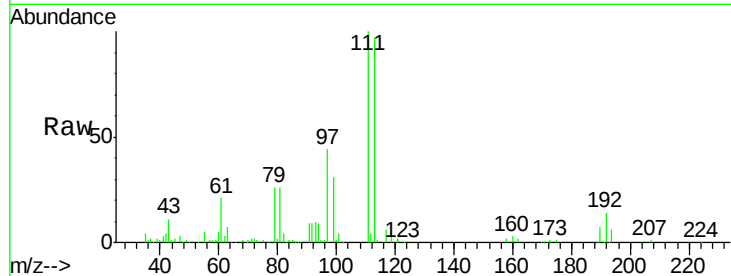




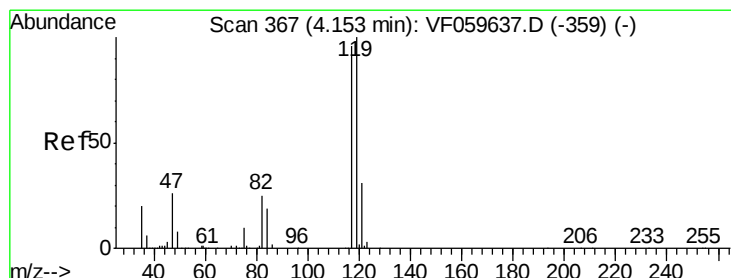
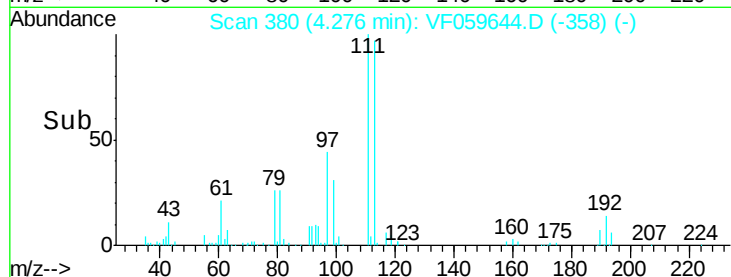
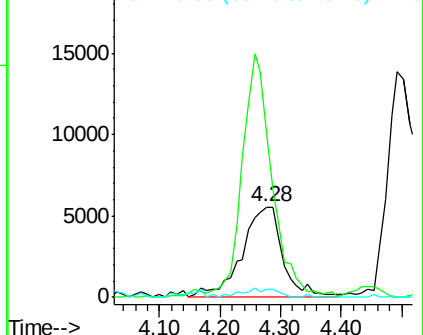
#37
Ethyl Acetate
Concen: 21.234 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 26048
Ion Ratio Lower Upper
43 100
61 182.9 156.6 234.8
70 9.4 7.3 10.9

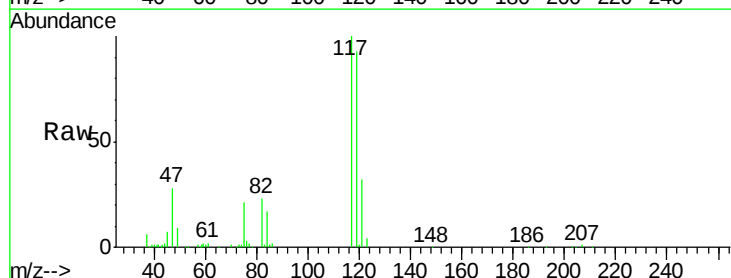


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

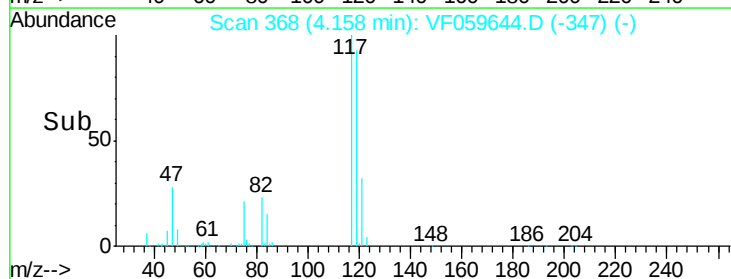
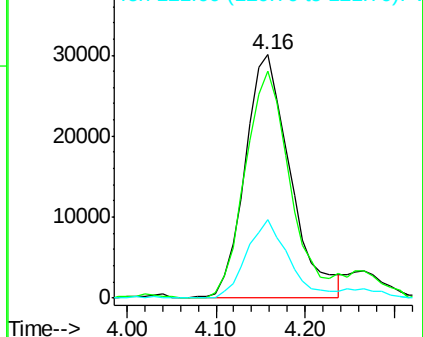


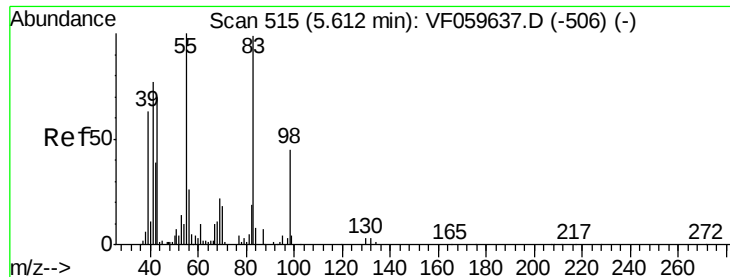
#38
Carbon Tetrachloride
Concen: 24.058 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 117 Resp: 105874
Ion Ratio Lower Upper
117 100
119 93.4 83.0 124.6
121 32.1 26.2 39.4



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

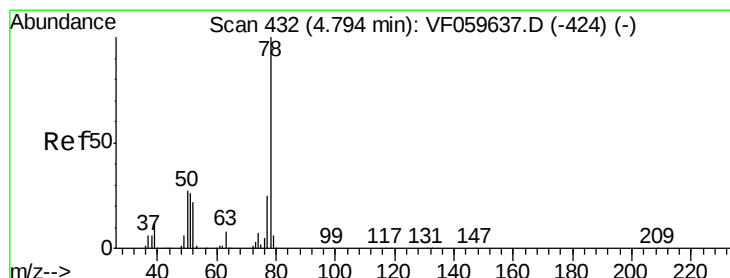
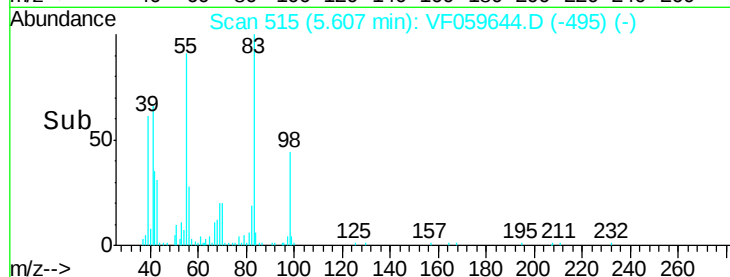
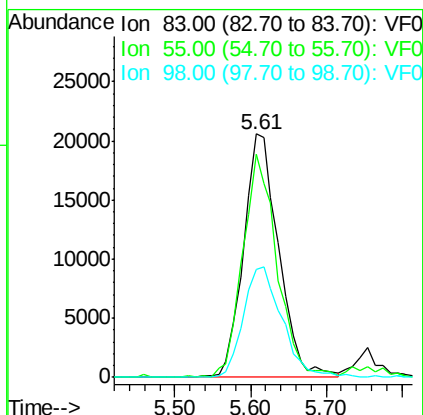
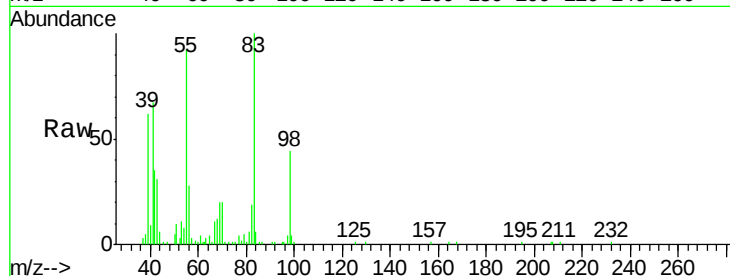




#39
Methylcyclohexane
Concen: 25.674 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

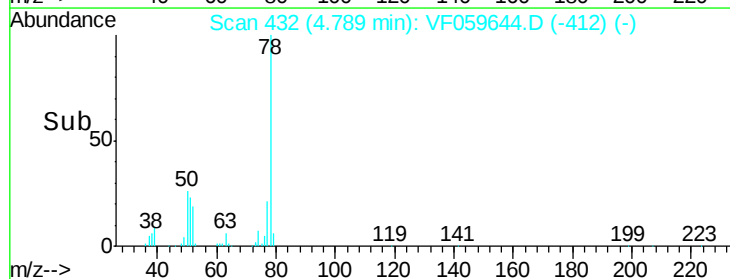
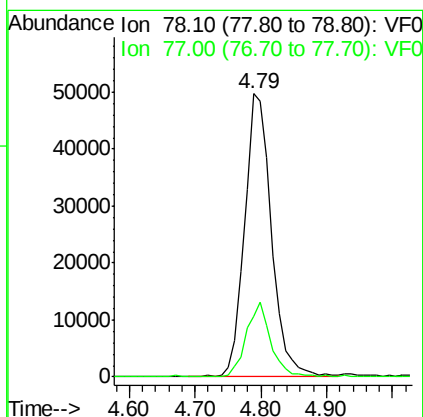
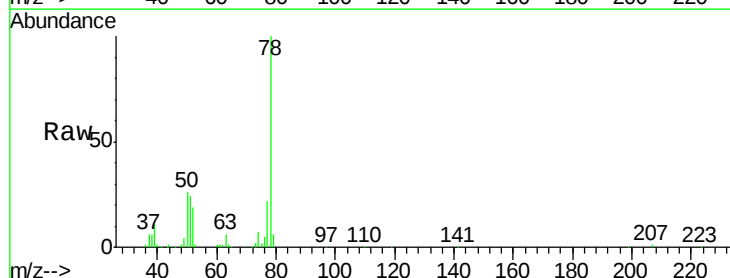
Instrument :
MSVOA_F
ClientSampleId :

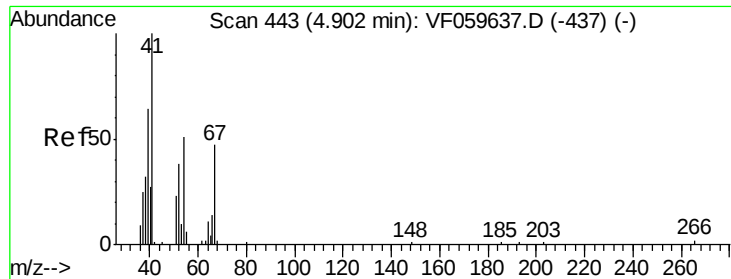
Tot Ion: 83 Resp: 66406
Ion Ratio Lower Upper
83 100
55 91.9 81.5 122.3
98 44.1 36.7 55.1



#40
Benzene
Concen: 24.231 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 78 Resp: 142944
Ion Ratio Lower Upper
78 100
77 21.6 19.8 29.6

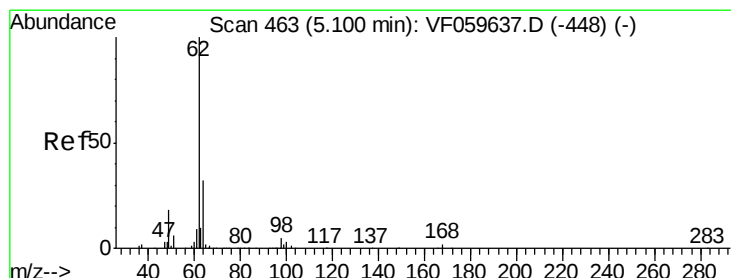
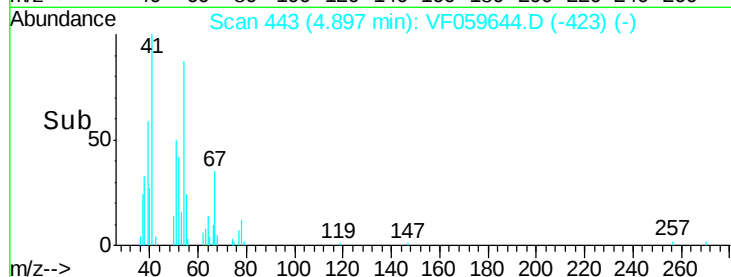
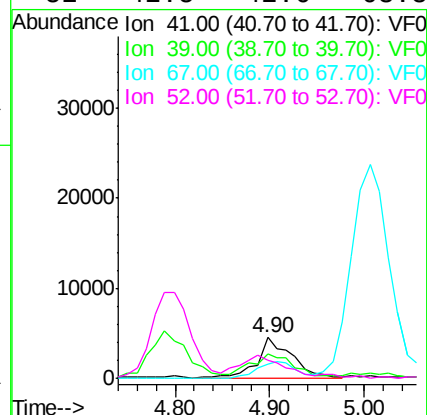
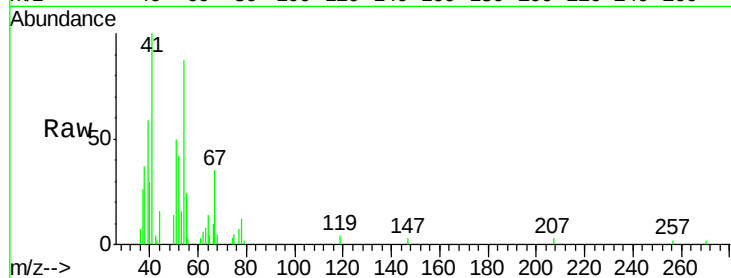




#41
Methacrylonitrile
Concen: 19.683 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

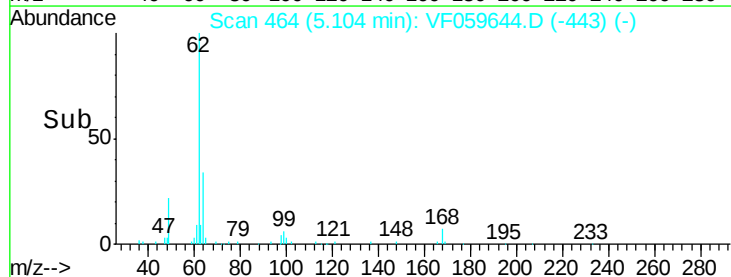
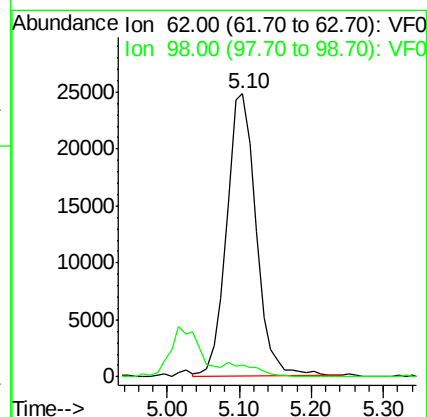
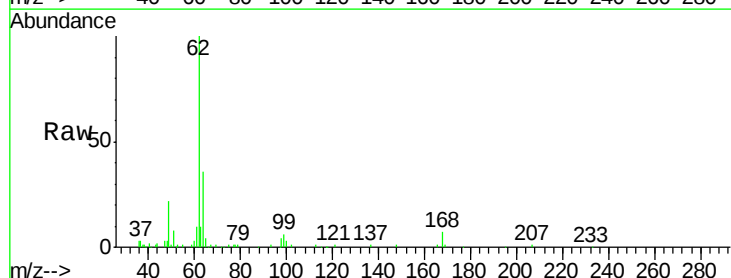
Instrument :
MSVOA_F
ClientSampleId :

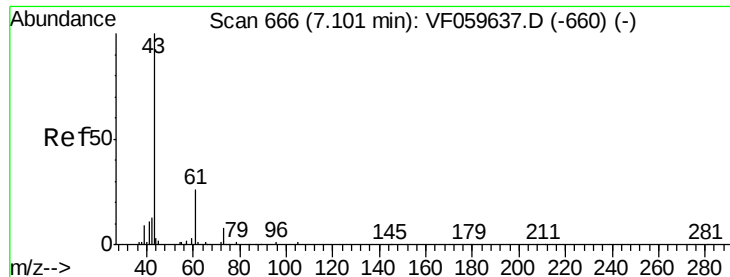
Tot Ion: 41 Resp: 11741
Ion Ratio Lower Upper
41 100
39 58.7 56.9 85.3
67 35.4 36.6 54.8#
52 42.5 42.6 63.8#



#42
1,2-Dichloroethane
Concen: 20.143 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 62 Resp: 70411
Ion Ratio Lower Upper
62 100
98 4.4 0.0 10.6



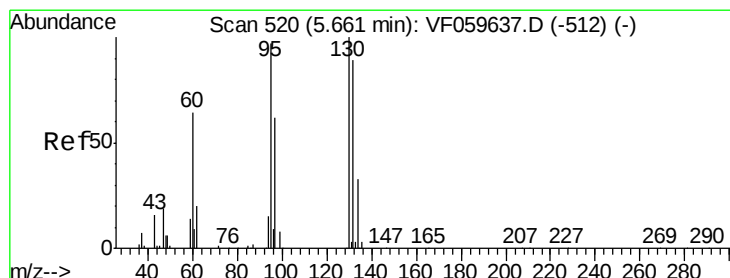
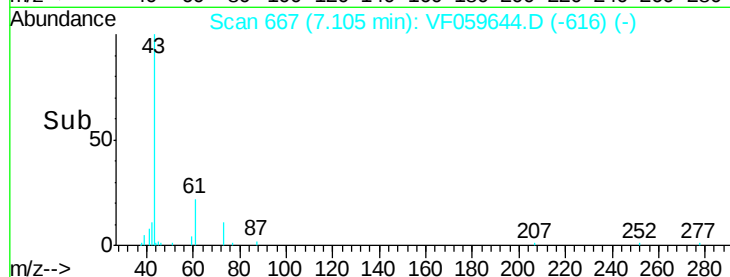
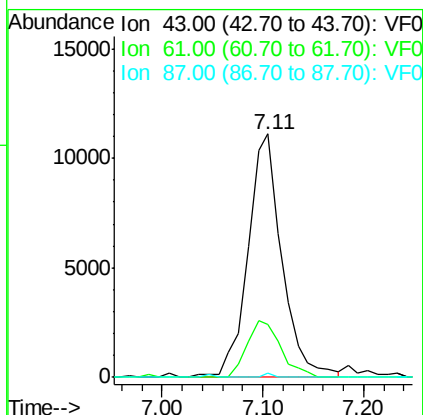
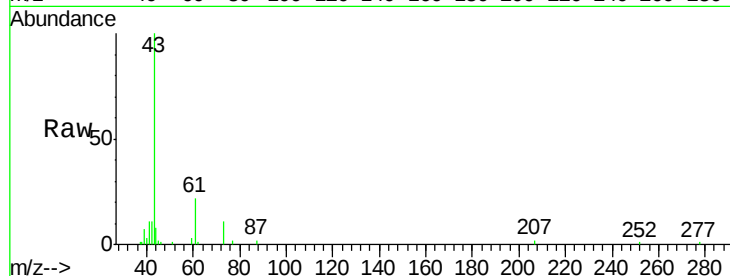


#43

Isopropyl Acetate
 Concen: 18.598 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :

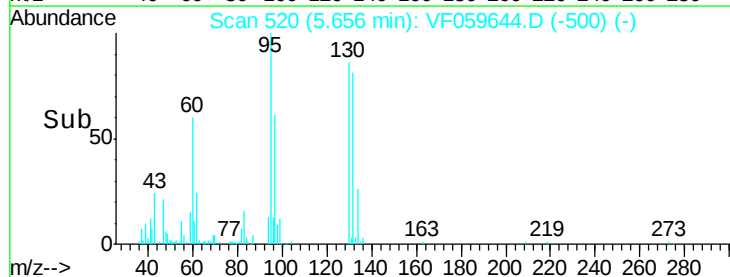
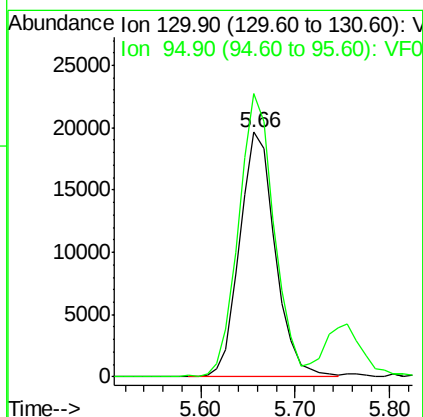
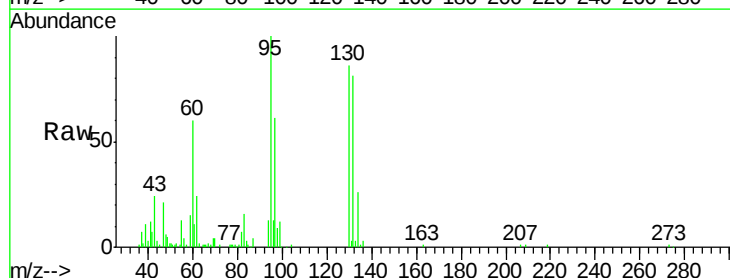
Tot Ion: 43 Resp: 26085
 Ion Ratio Lower Upper
 43 100
 61 21.8 20.5 30.7
 87 1.9 0.4 0.6#

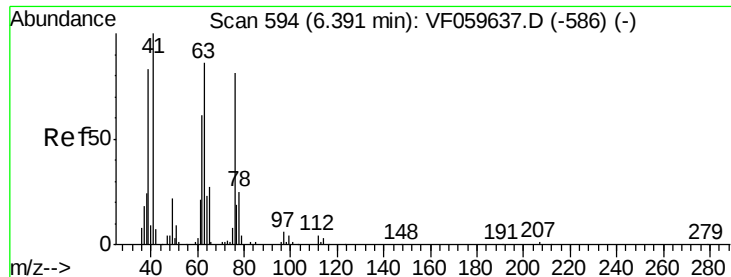


#44

Trichloroethene
 Concen: 23.471 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion:130 Resp: 51106
 Ion Ratio Lower Upper
 130 100
 95 115.7 0.0 193.4





#45

1,2-Dichloropropane

Concen: 21.266 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

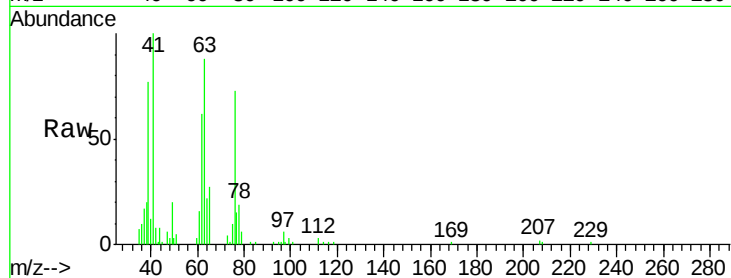
ClientSampleId :

Tot Ion: 63 Resp: 31762

Ion Ratio Lower Upper

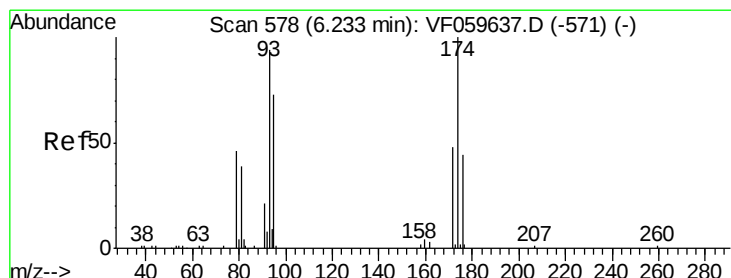
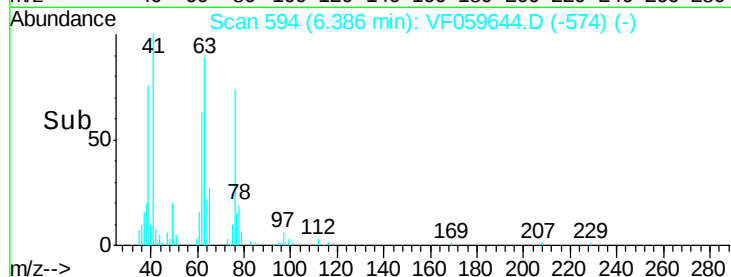
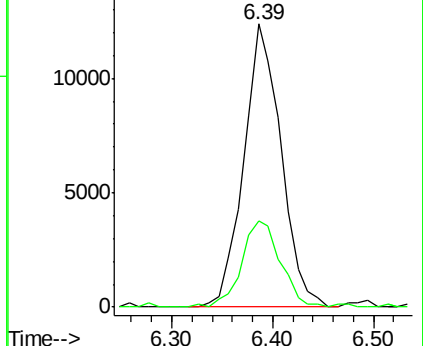
63 100

65 30.6 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.801 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

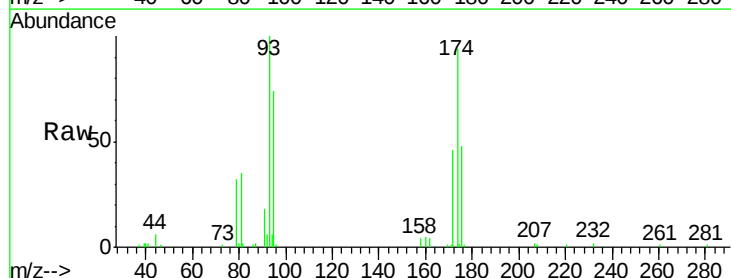
Tgt Ion: 93 Resp: 27504

Ion Ratio Lower Upper

93 100

95 74.1 63.1 94.7

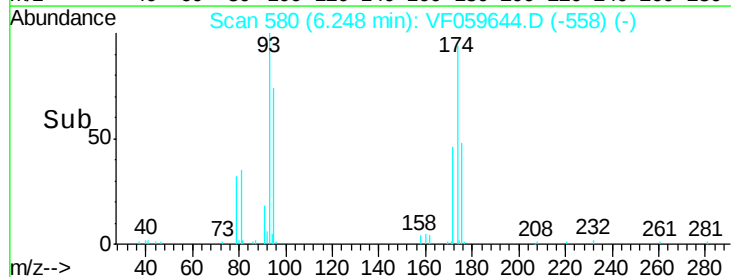
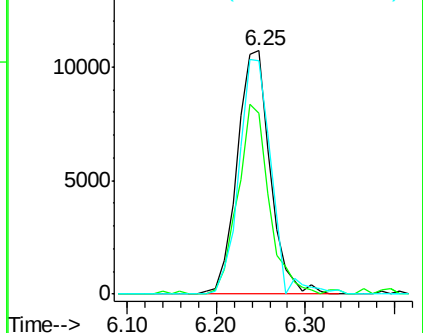
174 96.1 85.3 127.9

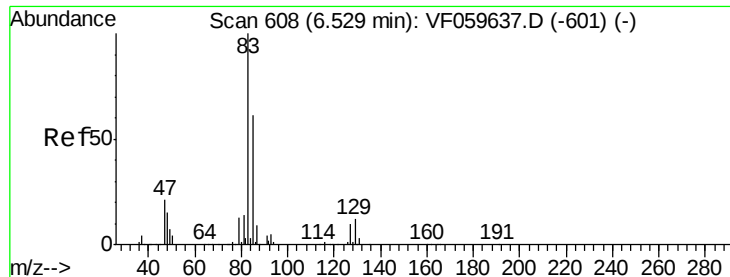


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.816 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

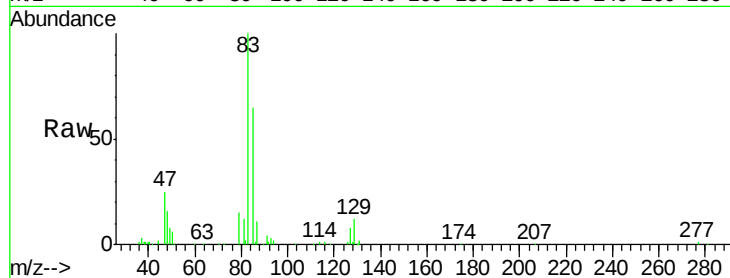
Tot Ion: 83 Resp: 76783

Ion Ratio Lower Upper

83 100

85 64.5 48.6 72.8

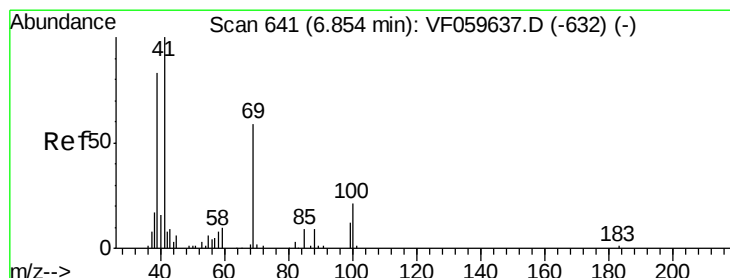
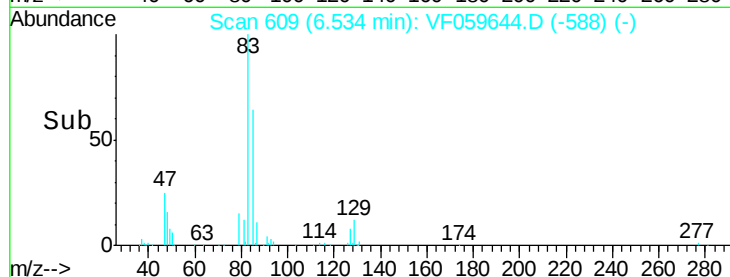
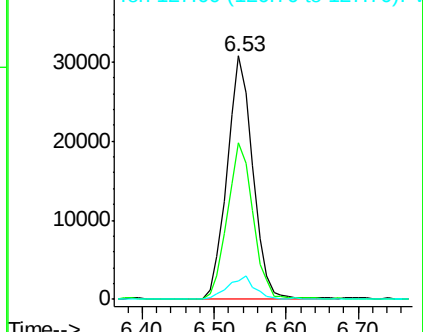
127 7.6 7.7 11.5#



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: 18.821 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

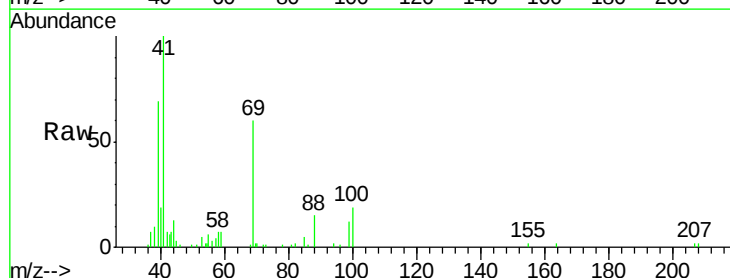
Tgt Ion: 41 Resp: 19432

Ion Ratio Lower Upper

41 100

69 59.7 47.5 71.3

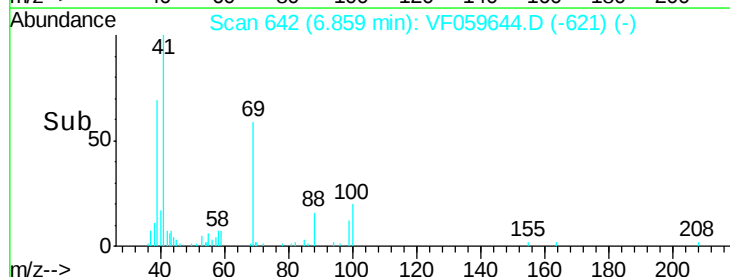
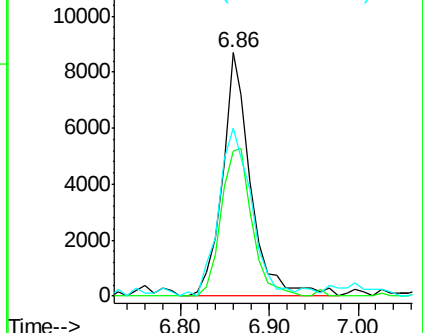
39 69.2 67.0 100.6

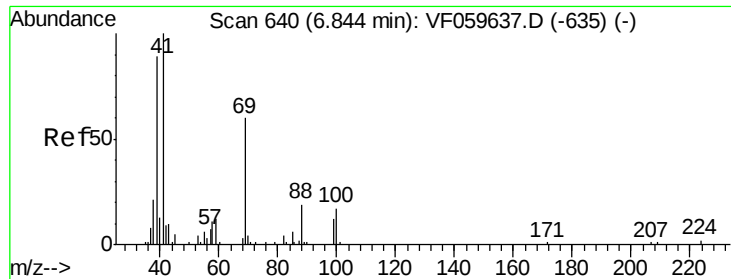


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

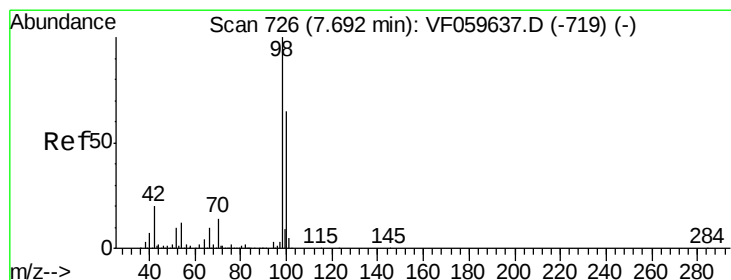
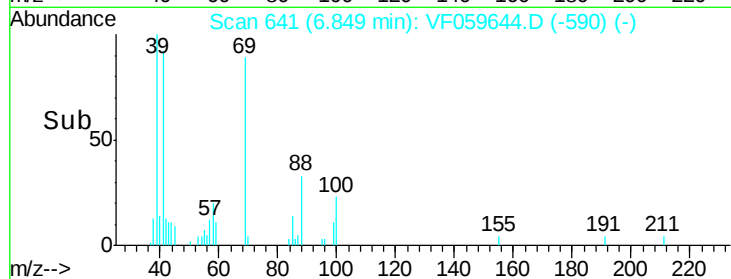
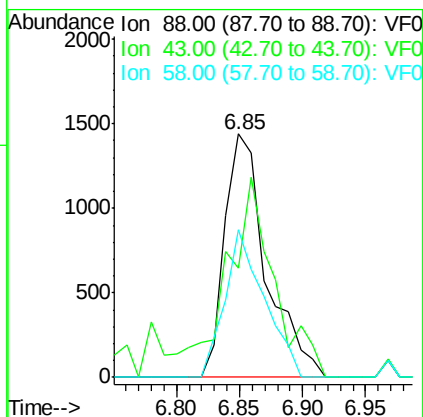
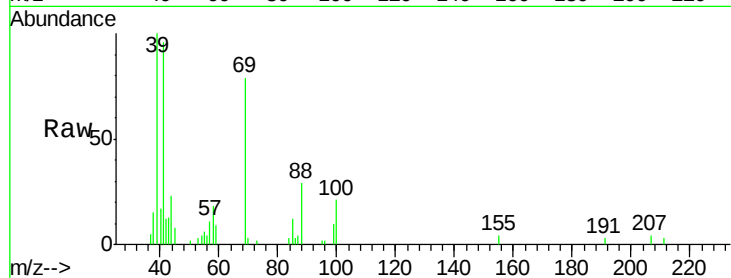




#49
1,4-Dioxane
Concen: 414.468 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

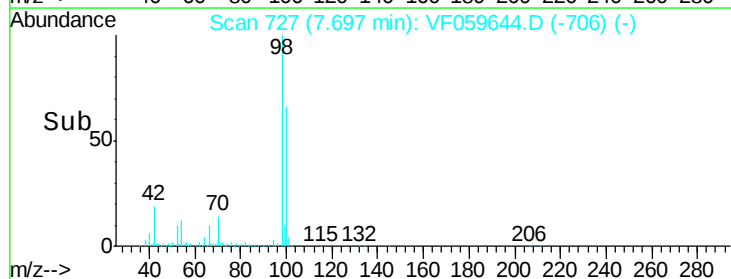
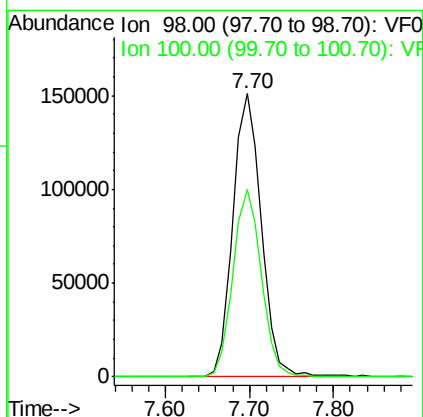
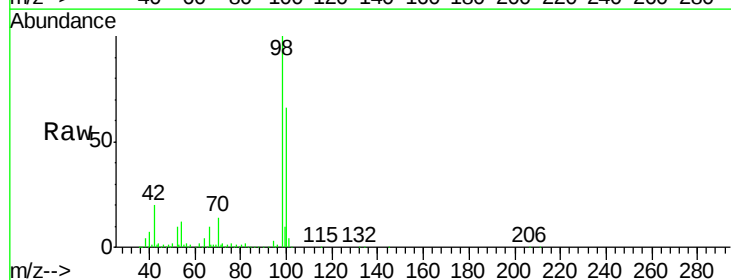
Instrument :
MSVOA_F
ClientSampleId :

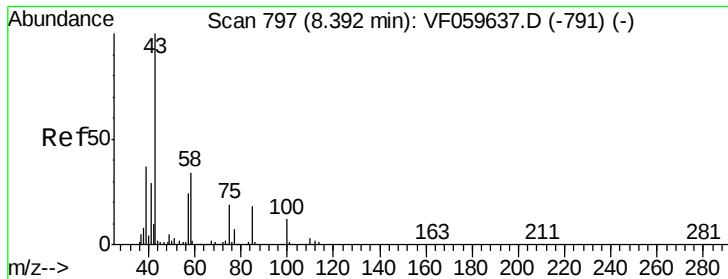
Tot Ion: 88 Resp: 3293
Ion Ratio Lower Upper
88 100
43 44.8 45.3 67.9#
58 60.4 47.7 71.5



#50
Toluene-d8
Concen: 52.140 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 98 Resp: 355992
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 100.619 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

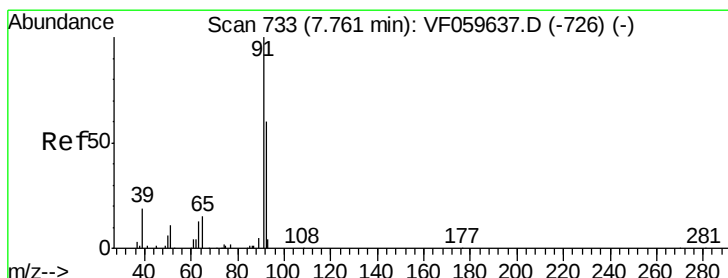
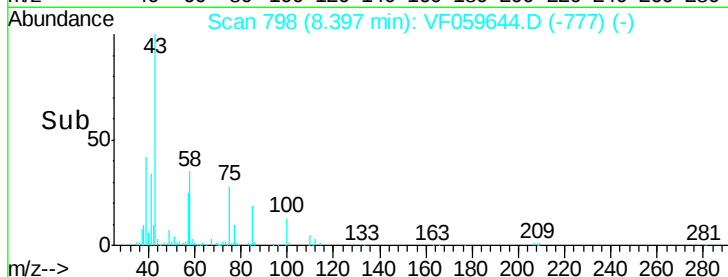
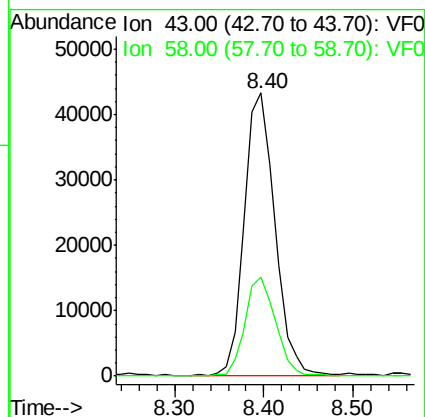
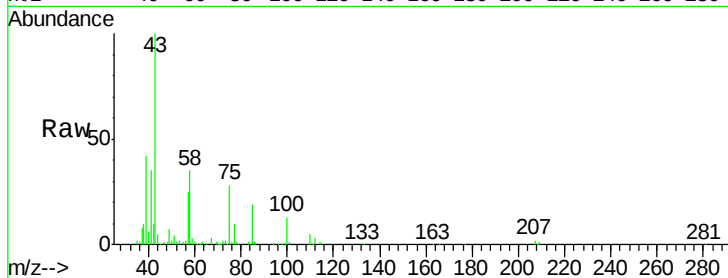
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 103722

Ion Ratio Lower Upper

43 100

58 34.8 27.3 40.9



#52

Toluene

Concen: 22.321 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059644.D

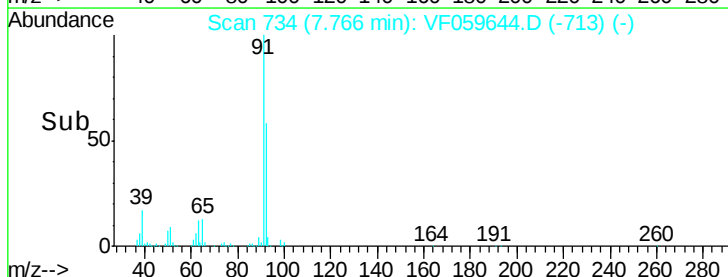
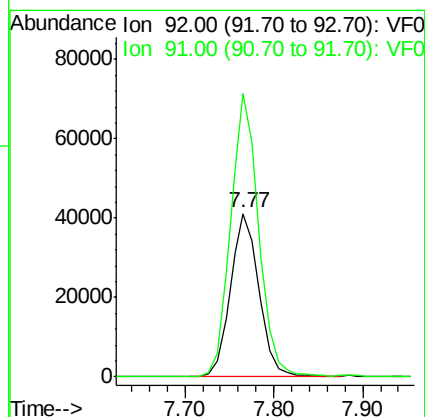
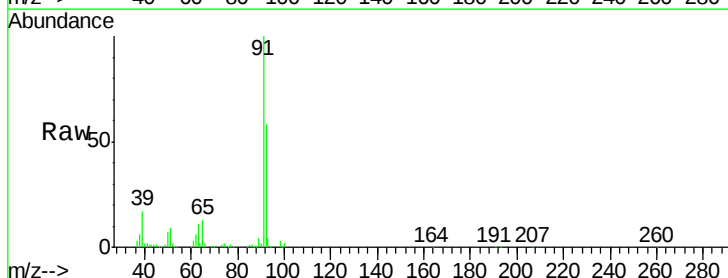
Acq: 24 Jul 2018 21:40

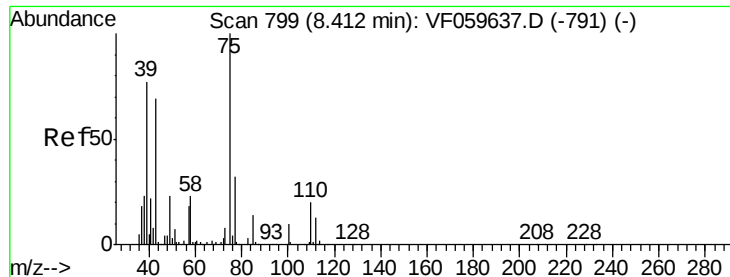
Tgt Ion: 92 Resp: 92712

Ion Ratio Lower Upper

92 100

91 173.5 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 18.975 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

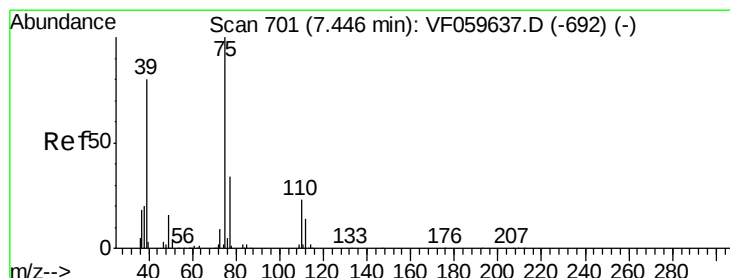
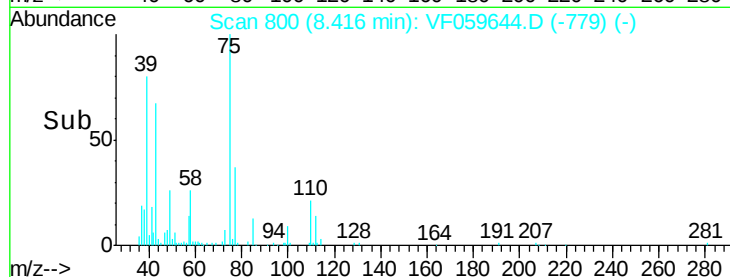
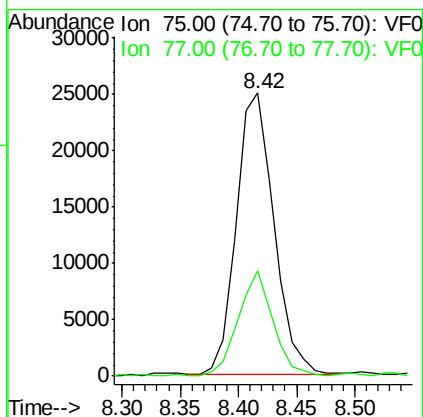
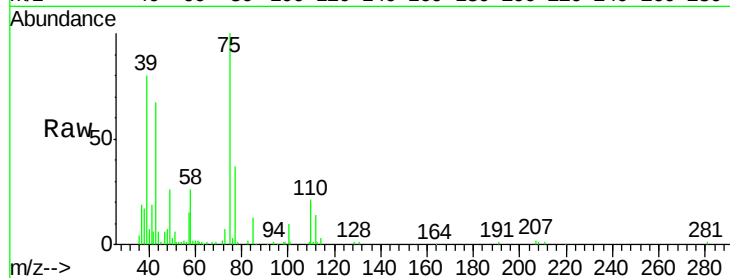
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 55774

Ion Ratio Lower Upper

75 100

77 37.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.699 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

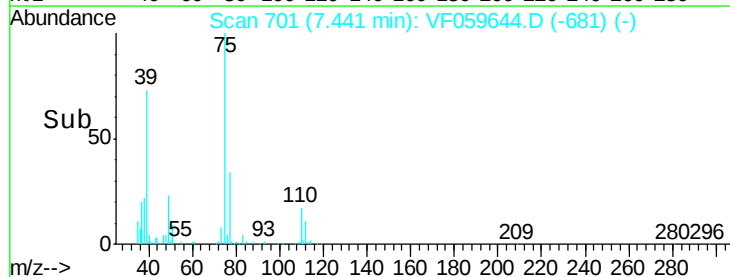
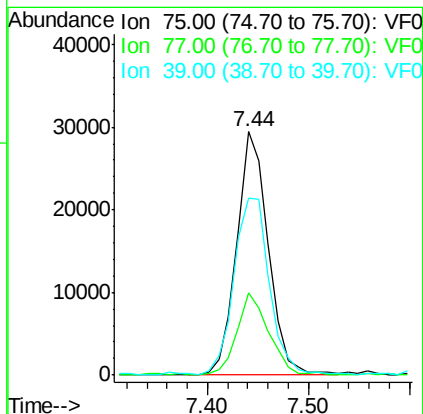
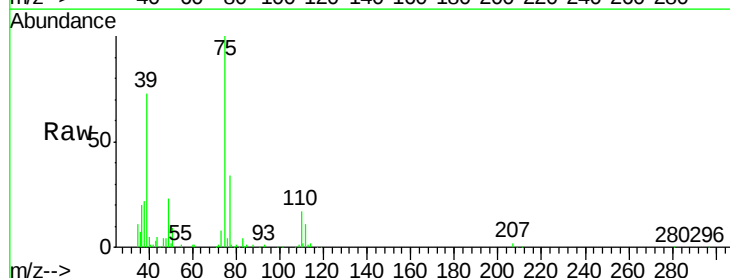
Tgt Ion: 75 Resp: 64312

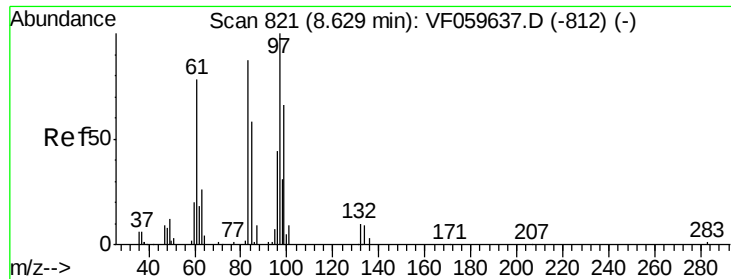
Ion Ratio Lower Upper

75 100

77 33.7 27.5 41.3

39 72.6 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 19.699 ug/l

RT: 8.62 min Scan# 821

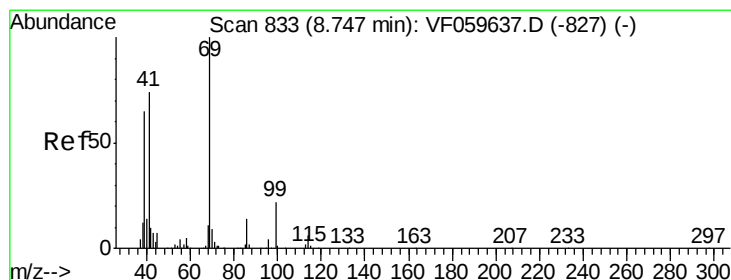
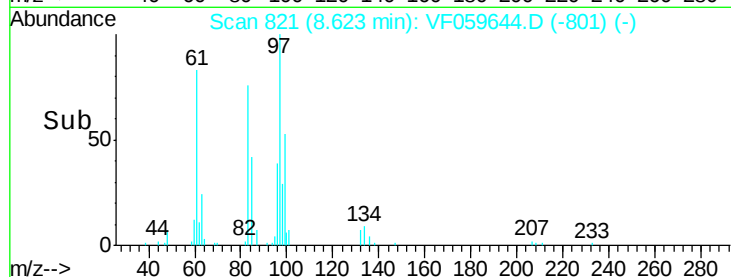
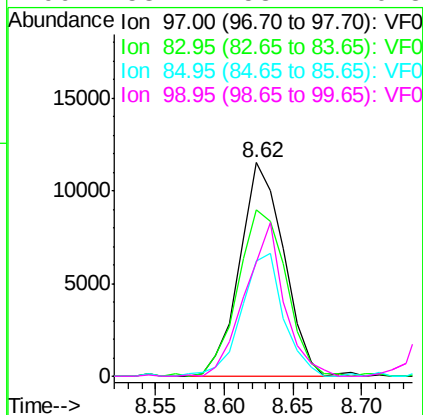
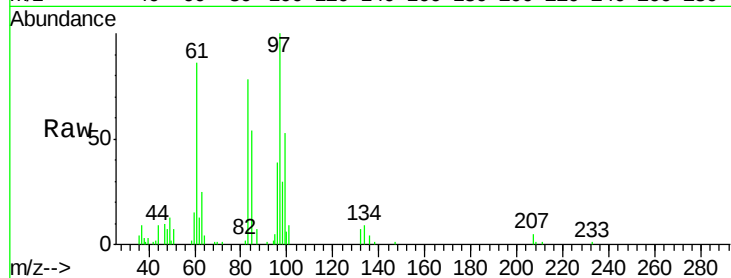
Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	25910
Ion	Ratio	Lower	Upper
97	100		
83	78.0	69.5	104.3
85	54.1	46.0	69.0
99	53.1	53.2	79.8#



#56

Ethyl methacrylate

Concen: 19.079 ug/l

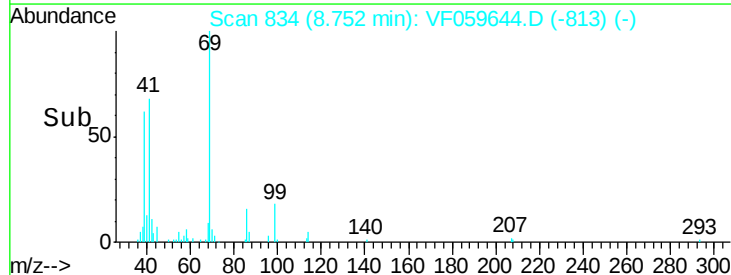
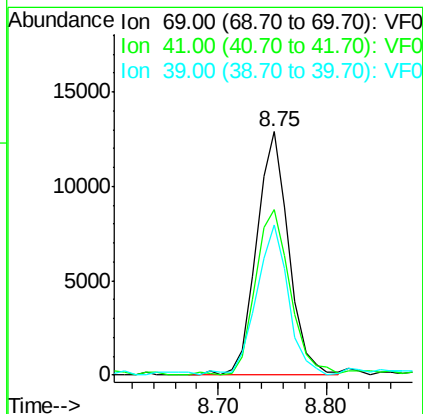
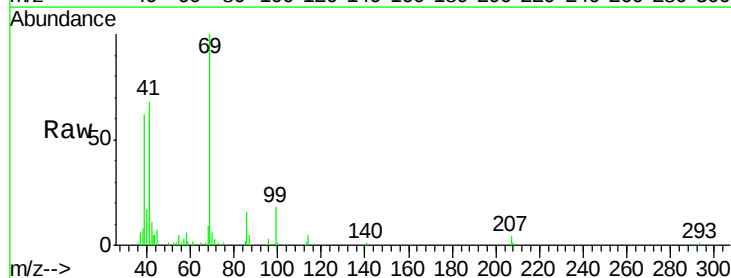
RT: 8.75 min Scan# 834

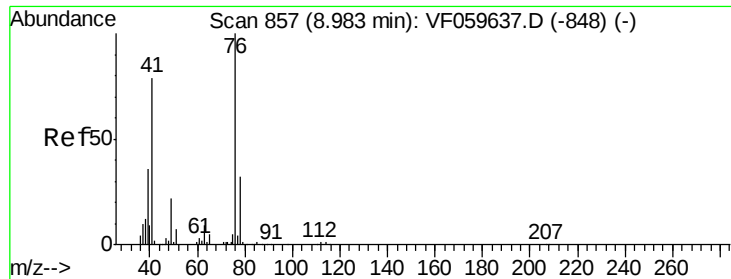
Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion:	69	Resp:	26825
Ion	Ratio	Lower	Upper
69	100		
41	68.2	59.1	88.7
39	61.8	52.4	78.6





#57

1,3-Dichloropropane

Concen: 20.683 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

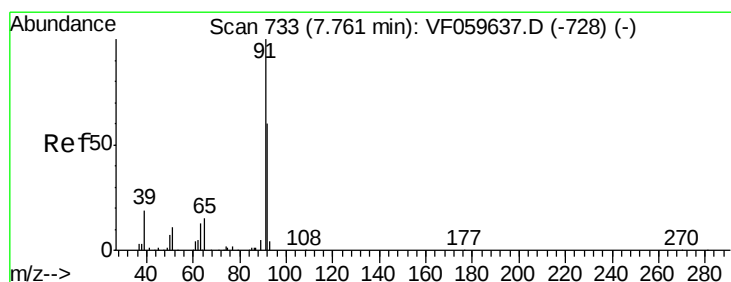
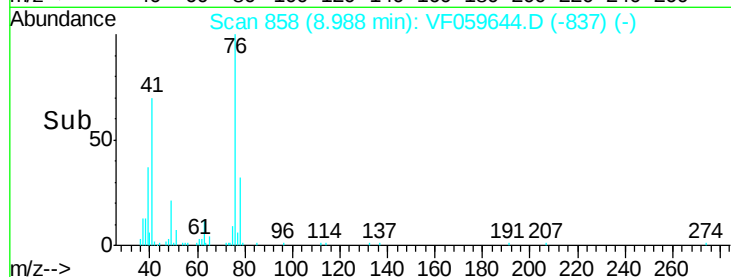
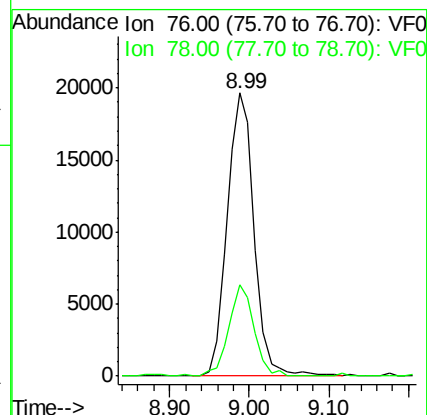
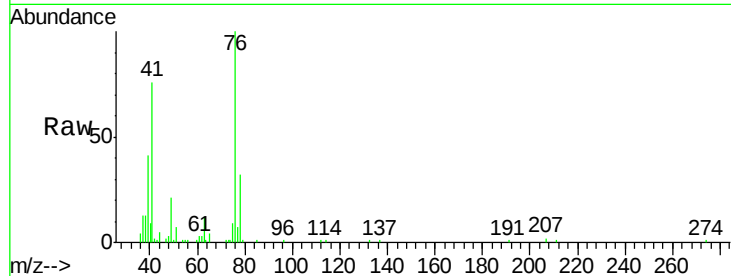
ClientSampleId :

Tot Ion: 76 Resp: 46576

Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 106.376 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059644.D

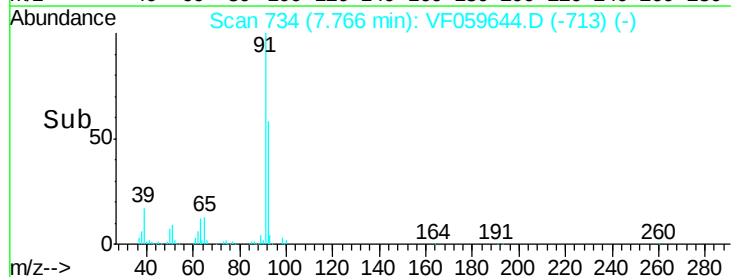
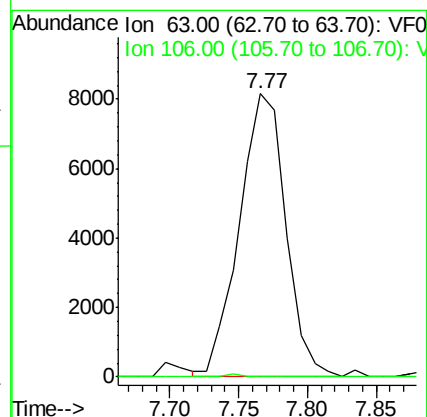
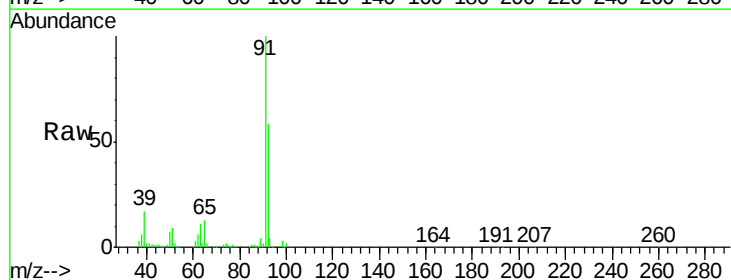
Acq: 24 Jul 2018 21:40

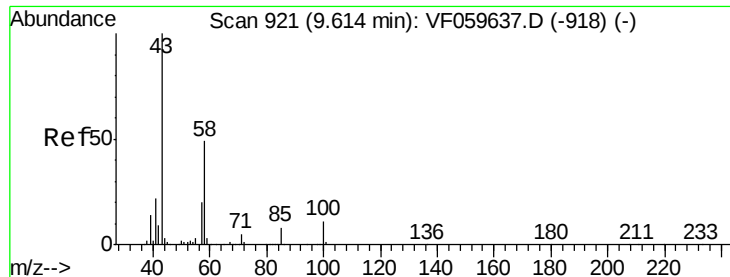
Tgt Ion: 63 Resp: 19198

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

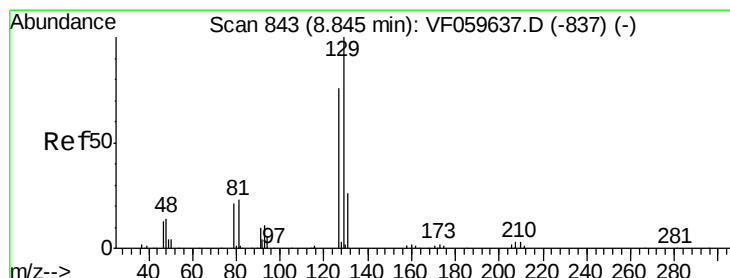
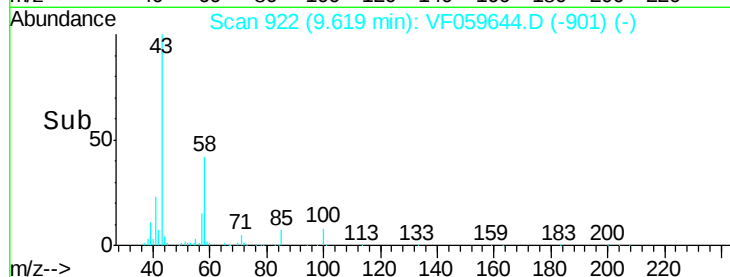
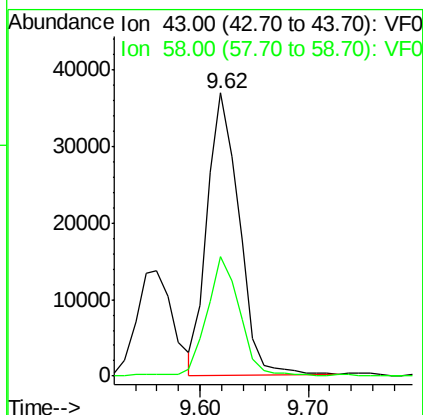
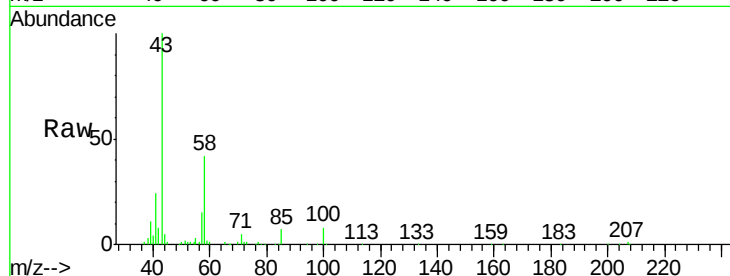




#59
2-Hexanone
Concen: 95.760 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

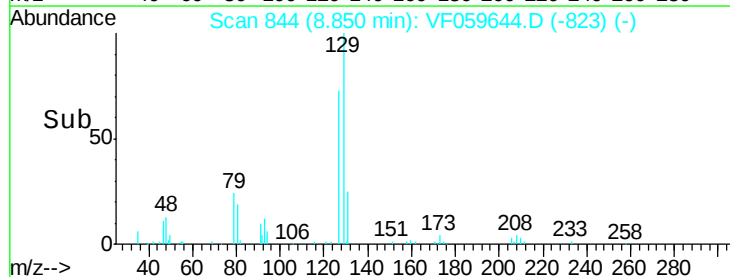
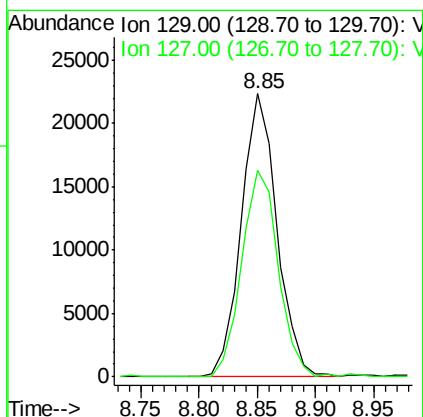
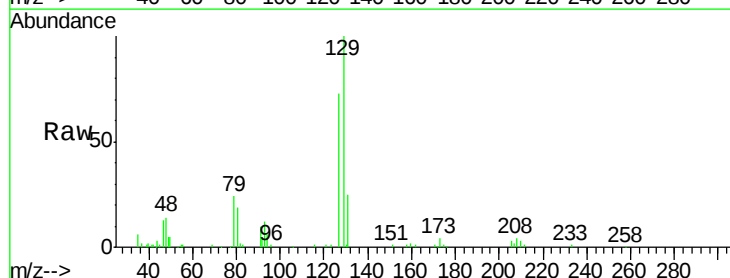
Instrument :
MSVOA_F
ClientSampled :

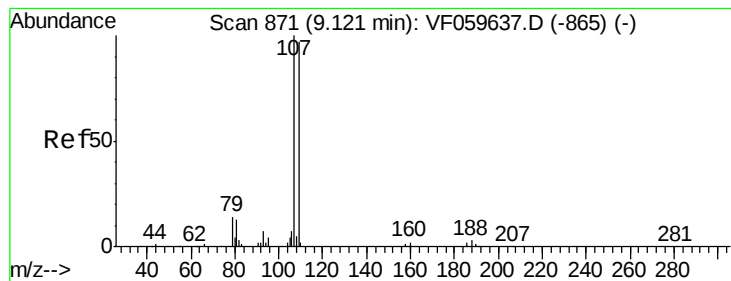
Tot Ion: 43 Resp: 75383
Ion Ratio Lower Upper
43 100
58 42.0 23.6 71.0



#60
Dibromochloromethane
Concen: 19.455 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 129 Resp: 47314
Ion Ratio Lower Upper
129 100
127 72.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.417 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

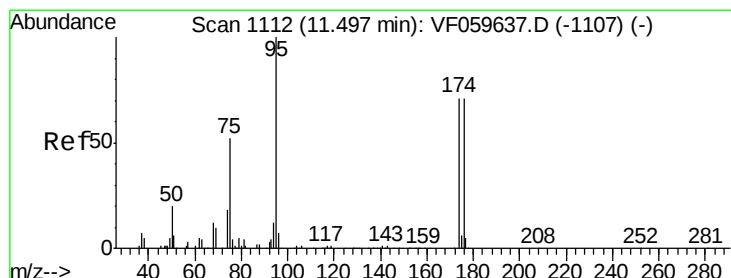
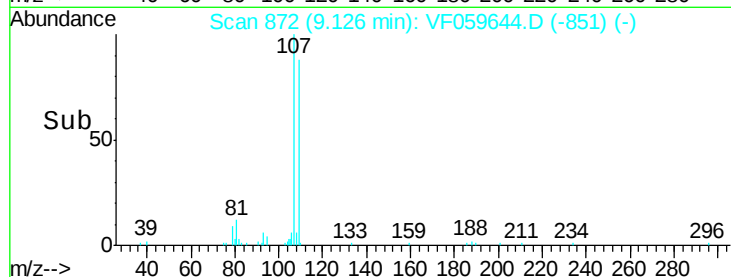
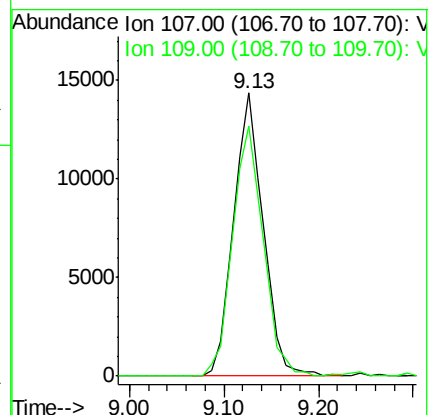
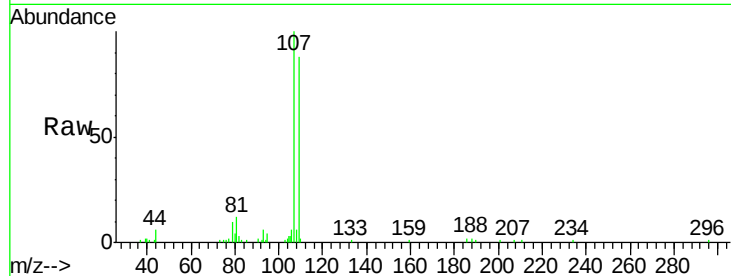
ClientSampleId :

Tot Ion:107 Resp: 31186

Ion Ratio Lower Upper

107 100

109 88.3 77.3 115.9



#62

4-Bromofluorobenzene

Concen: 49.503 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

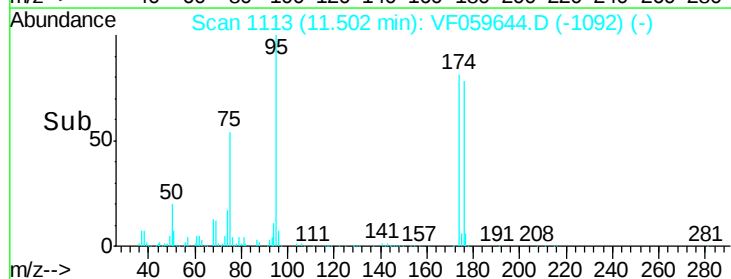
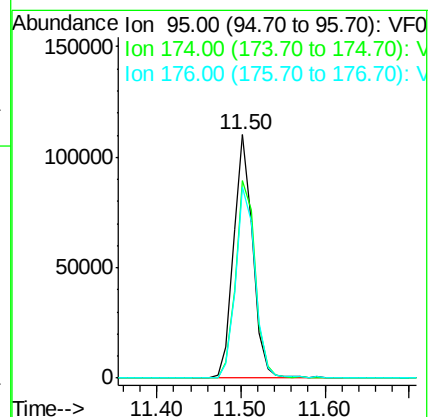
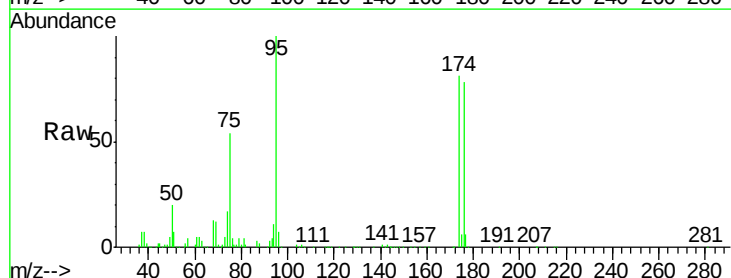
Tgt Ion: 95 Resp: 173674

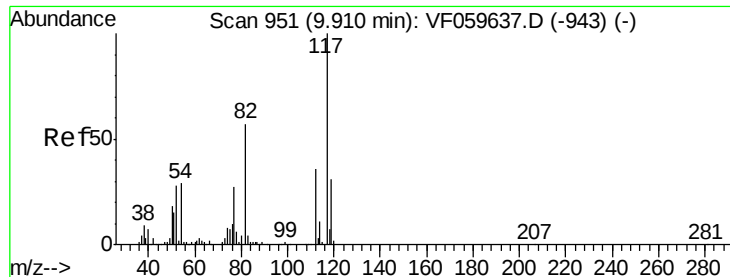
Ion Ratio Lower Upper

95 100

174 81.3 0.0 141.8

176 78.3 0.0 142.0

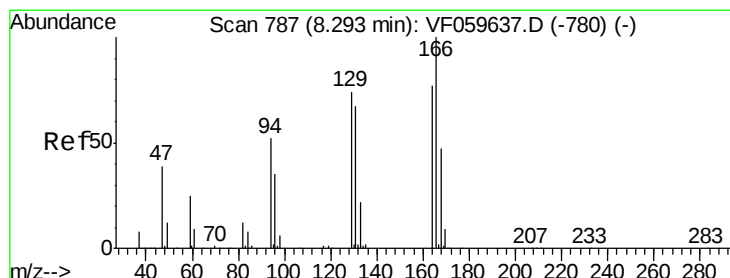
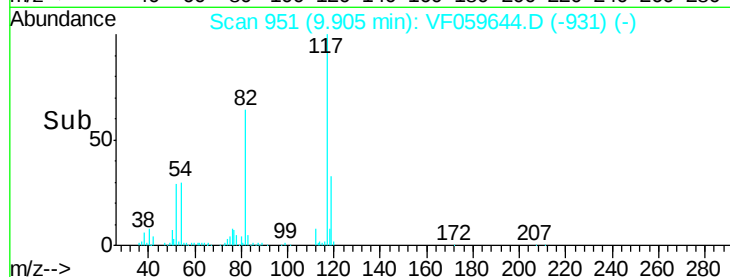
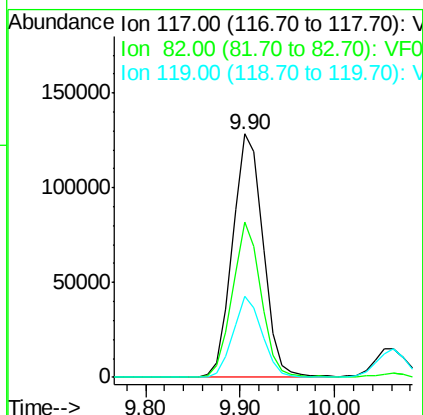
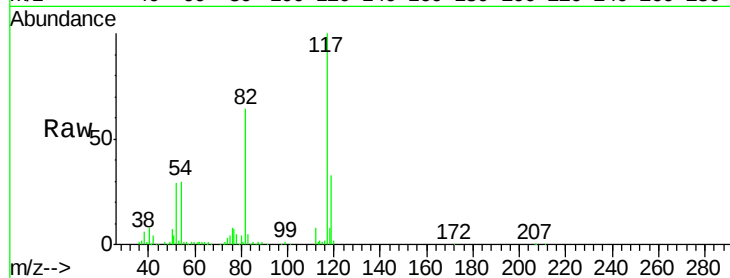




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

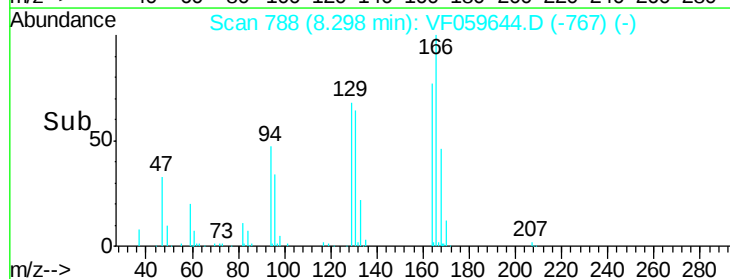
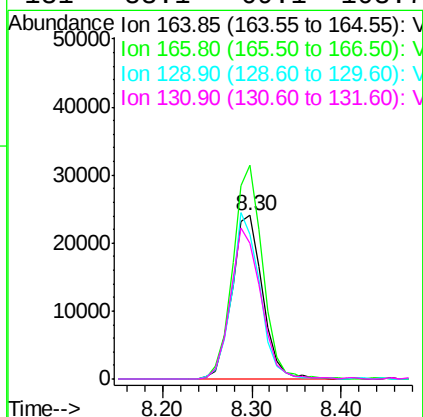
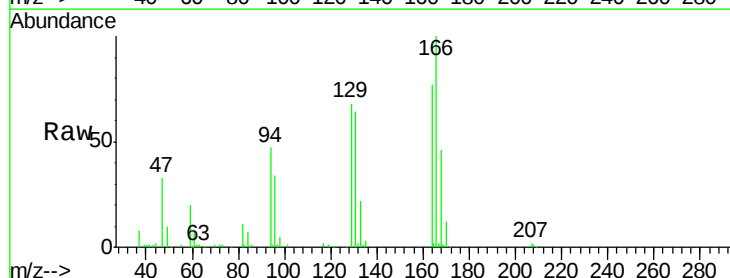
Instrument :
MSVOA_F
ClientSampleId :

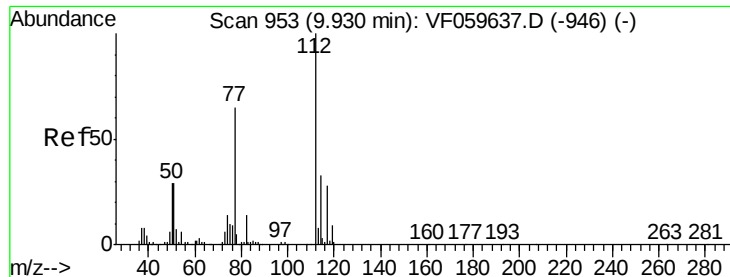
Tot Ion:117 Resp: 287303
Ion Ratio Lower Upper
117 100
82 63.6 45.9 68.9
119 33.2 25.1 37.7



#64
Tetrachloroethene
Concen: 25.343 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion:164 Resp: 57696
Ion Ratio Lower Upper
164 100
166 130.4 103.3 154.9
129 88.1 76.2 114.2
131 83.1 69.1 103.7





#65

Chlorobenzene

Concen: 22.752 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

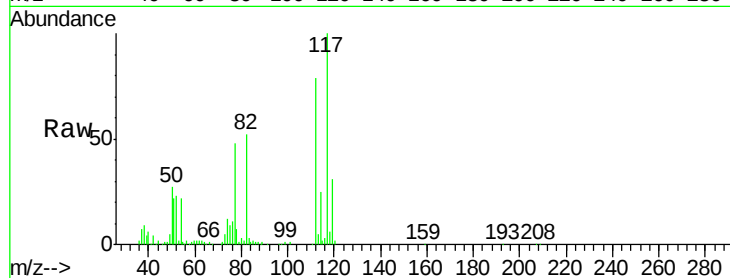
ClientSampleId :

Tot Ion:112 Resp: 121104

Ion Ratio Lower Upper

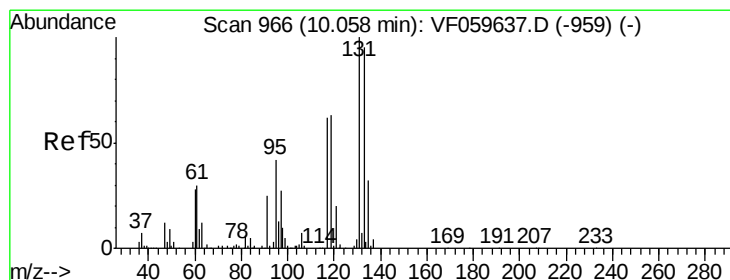
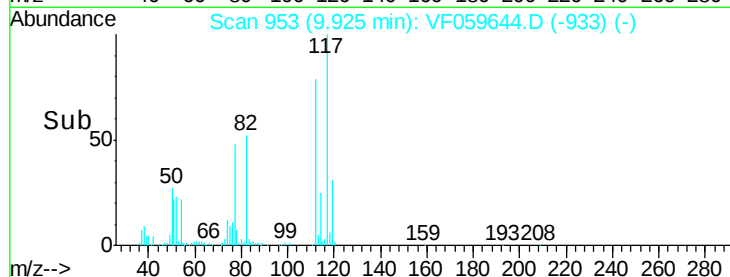
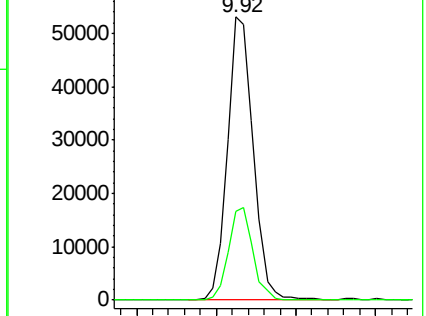
112 100

114 31.2 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.054 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

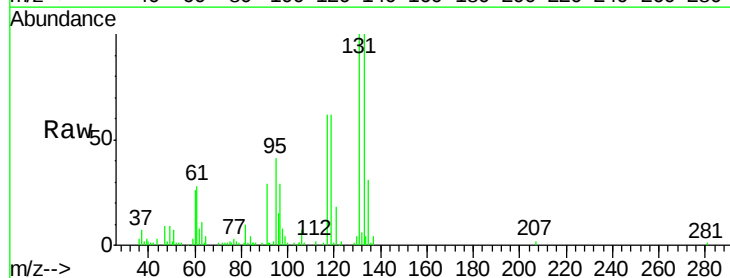
Tgt Ion:131 Resp: 54417

Ion Ratio Lower Upper

131 100

133 100.0 47.5 142.6

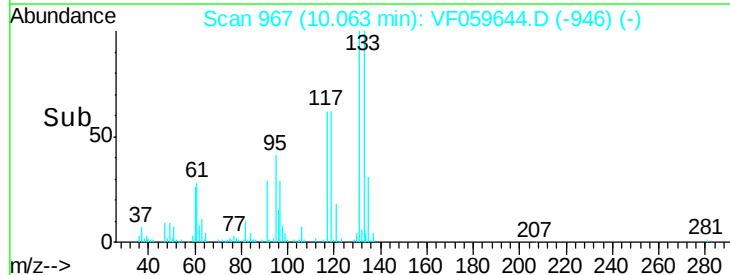
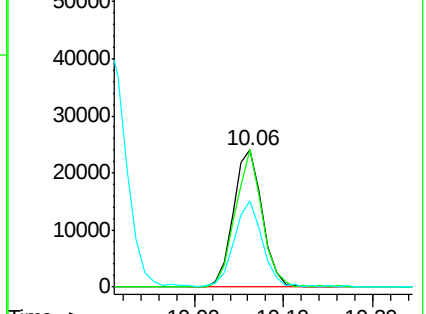
119 62.5 31.8 95.4

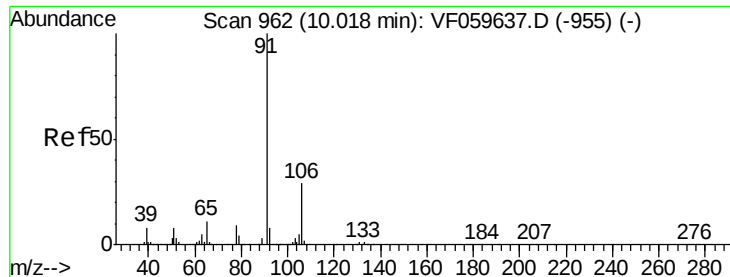


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

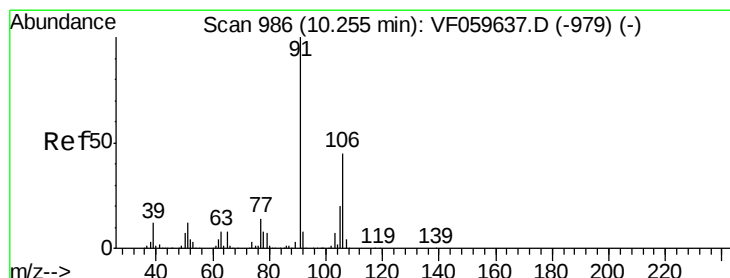
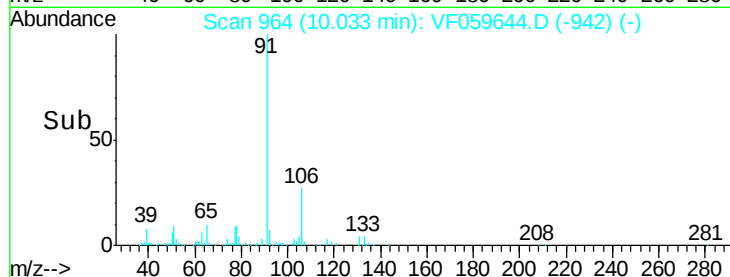
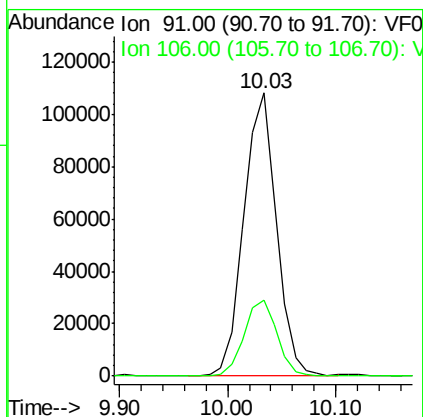
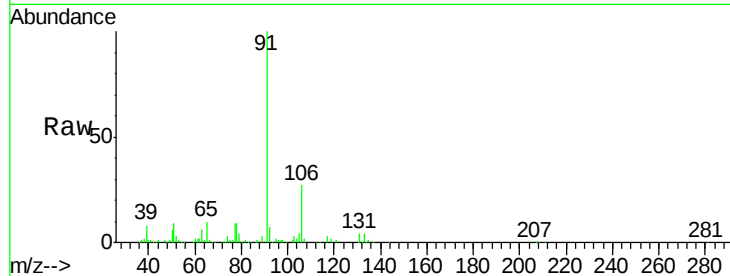




#67
Ethyl Benzene
Concen: 23.740 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

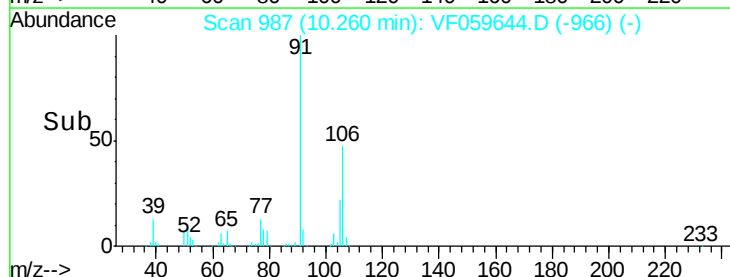
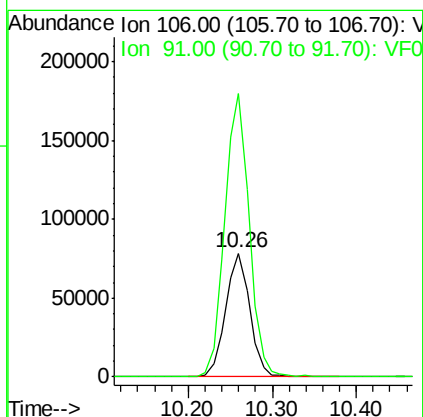
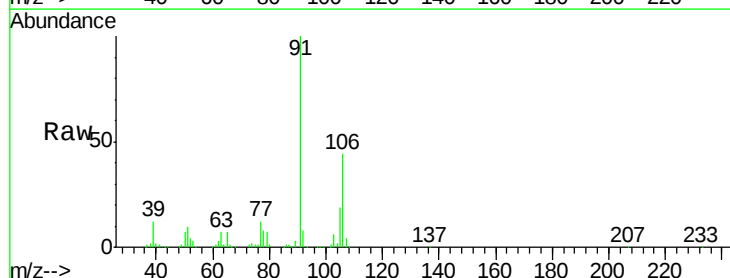
Instrument :
MSVOA_F
ClientSampled :

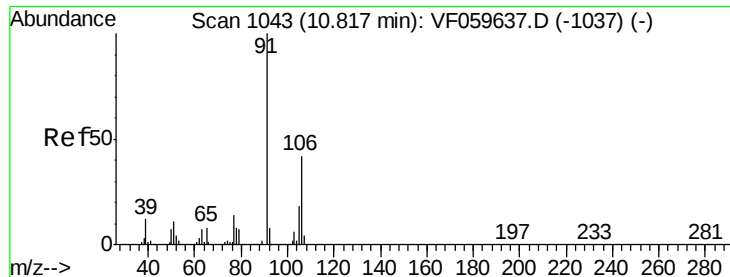
Tot Ion: 91 Resp: 227075
Ion Ratio Lower Upper
91 100
106 26.6 23.4 35.0



#68
m/p-Xylenes
Concen: 46.022 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 106 Resp: 157285
Ion Ratio Lower Upper
106 100
91 228.6 177.8 266.8

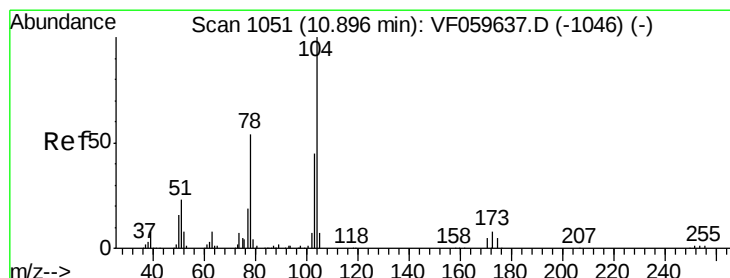
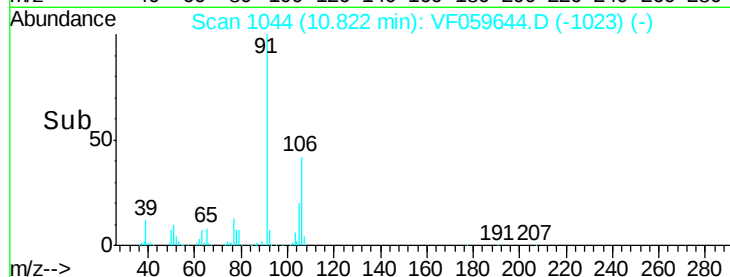
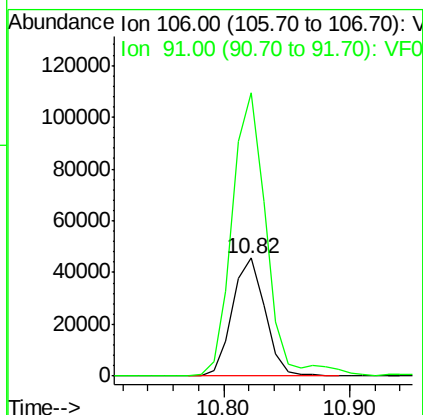
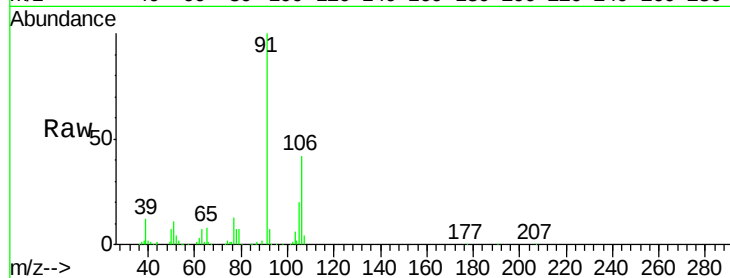




#69
o-Xylene
Concen: 22.669 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

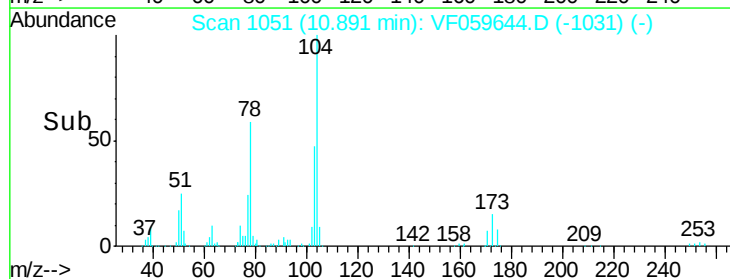
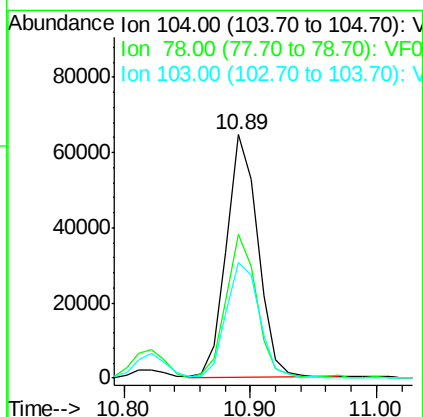
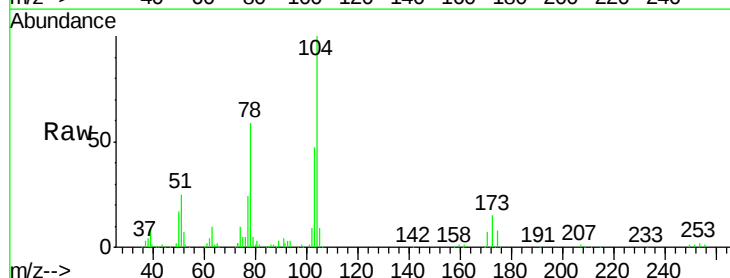
Instrument :
MSVOA_F
ClientSampled :

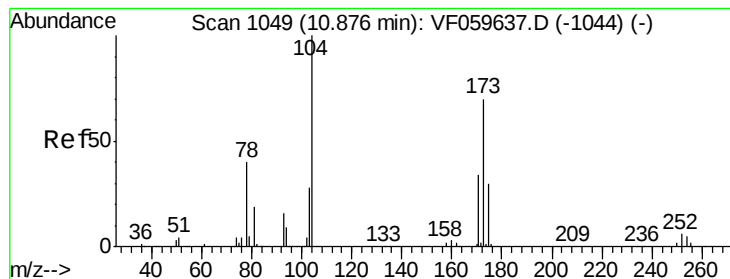
Tot Ion:106 Resp: 82470
Ion Ratio Lower Upper
106 100
91 240.2 119.3 357.9



#70
Styrene
Concen: 21.217 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion:104 Resp: 111472
Ion Ratio Lower Upper
104 100
78 59.3 43.4 65.2
103 47.4 36.7 55.1





#71

Bromoform

Concen: 20.049 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

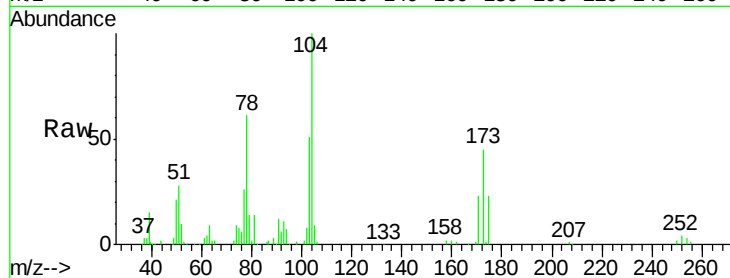
Tot Ion:173 Resp: 27850

Ion Ratio Lower Upper

173 100

175 49.7 21.6 65.0

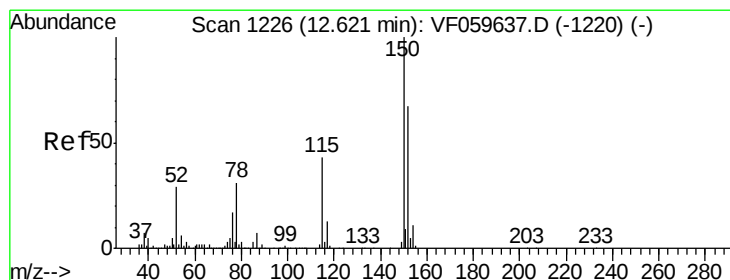
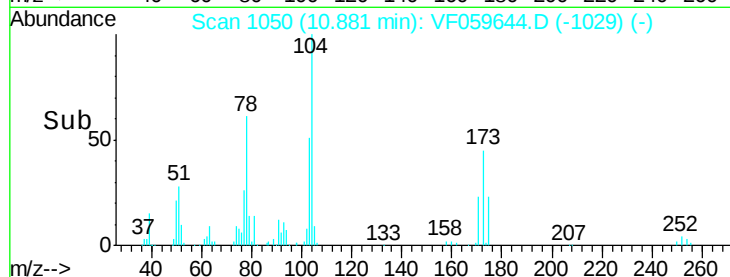
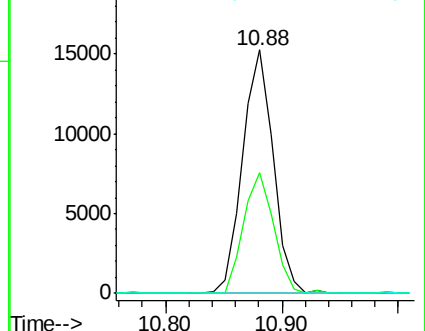
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

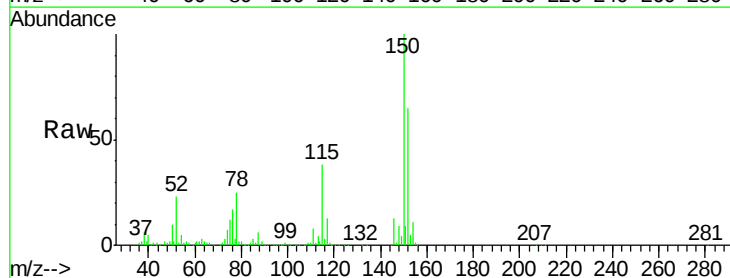
Tgt Ion:152 Resp: 185817

Ion Ratio Lower Upper

152 100

115 59.1 32.0 96.2

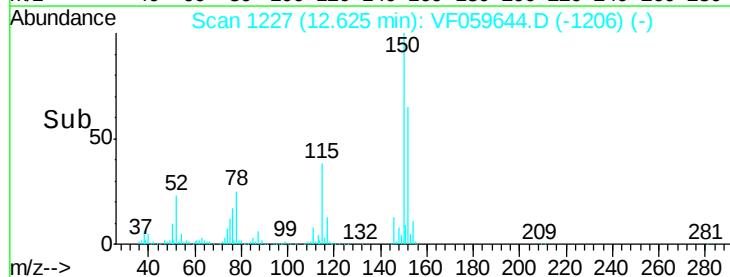
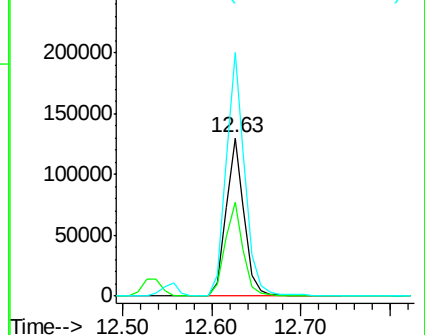
150 153.7 0.0 313.2

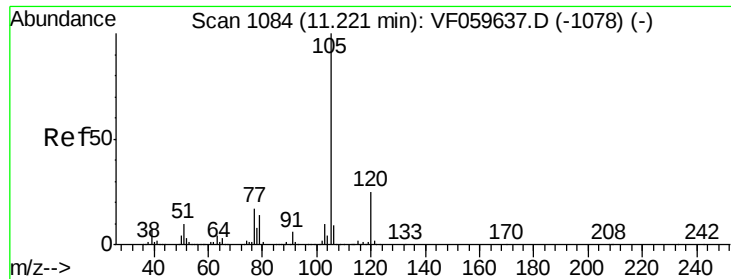


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.686 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

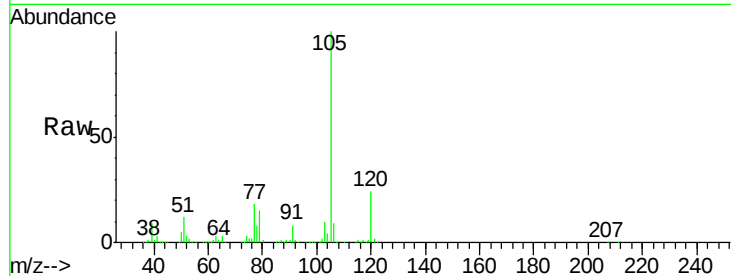
ClientSampleId :

Tot Ion:105 Resp: 276618

Ion Ratio Lower Upper

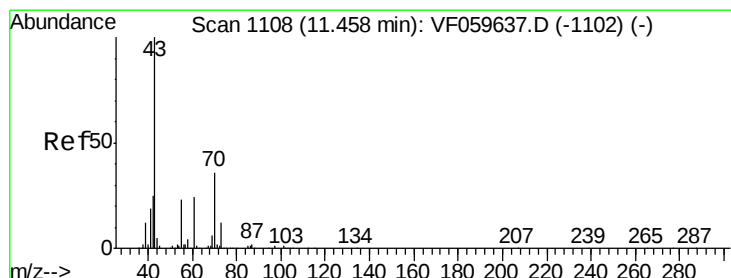
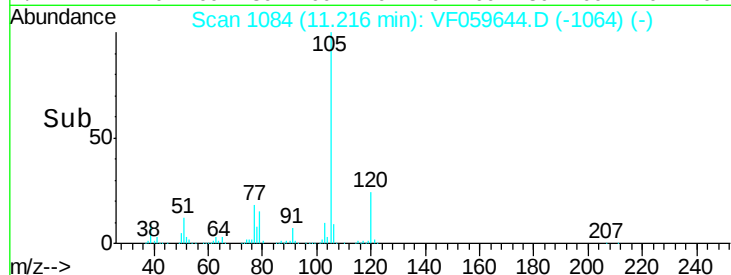
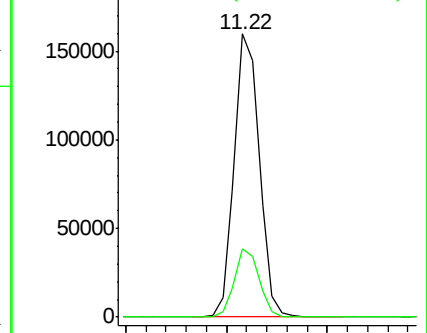
105 100

120 24.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.427 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Tgt Ion: 43 Resp: 53655

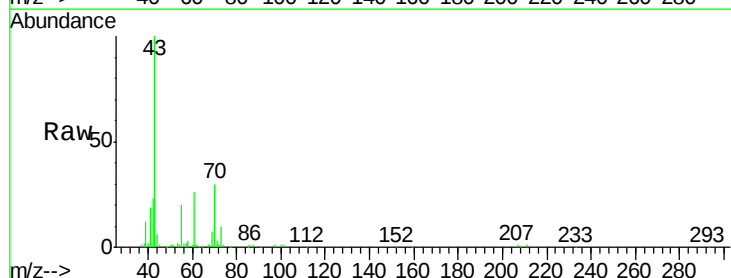
Ion Ratio Lower Upper

43 100

70 30.2 29.4 44.0

55 19.9 18.2 27.4

61 25.6 18.9 28.3

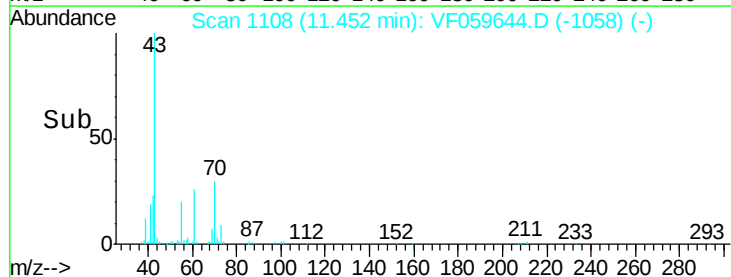
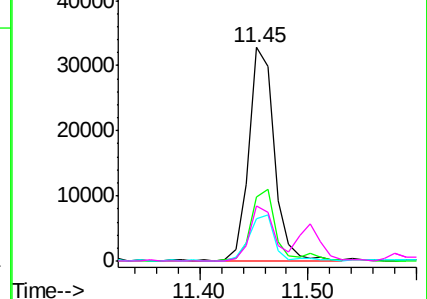


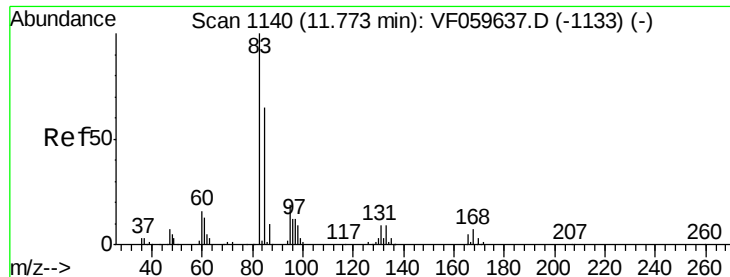
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.112 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

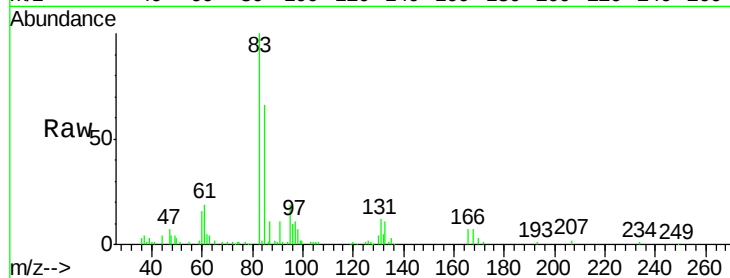
Tot Ion: 83 Resp: 37338

Ion Ratio Lower Upper

83 100

131 12.1 4.5 13.5

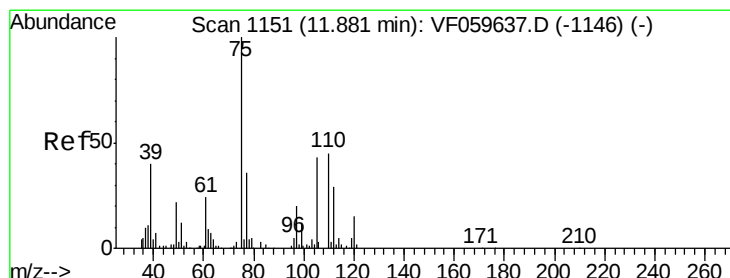
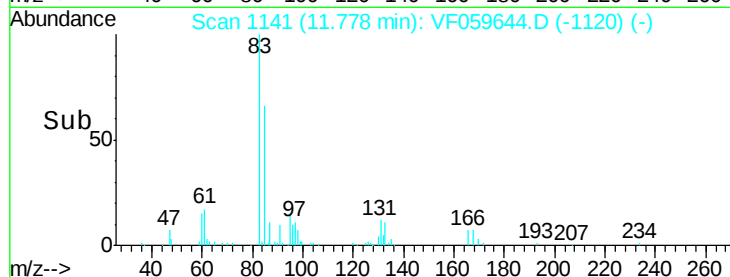
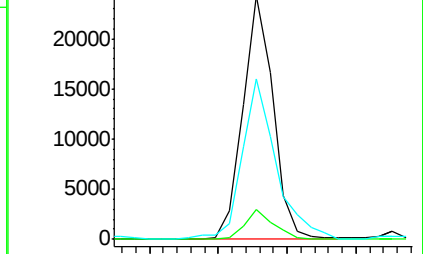
85 65.7 32.6 97.7



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: 20.757 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059644.D

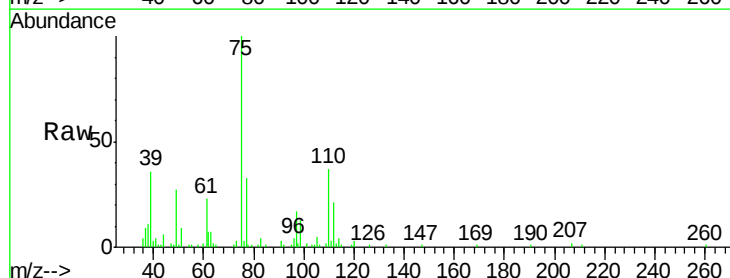
Acq: 24 Jul 2018 21:40

Tgt Ion: 75 Resp: 30322

Ion Ratio Lower Upper

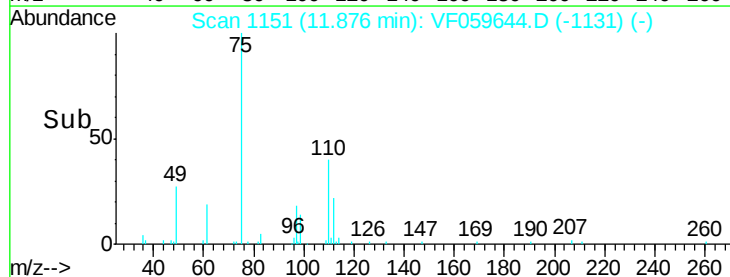
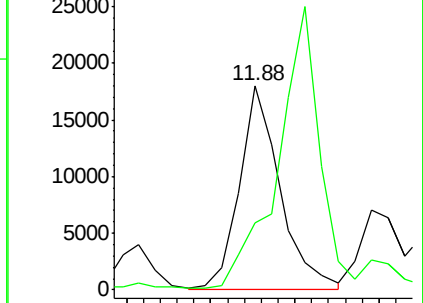
75 100

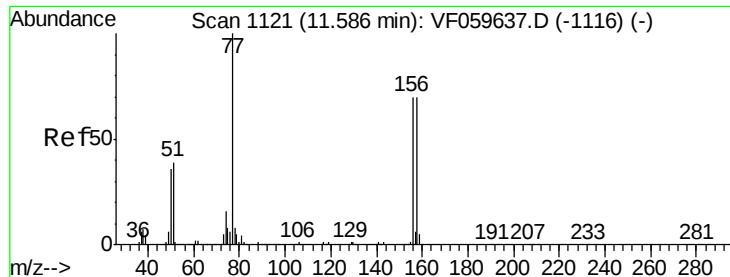
77 32.6 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.542 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

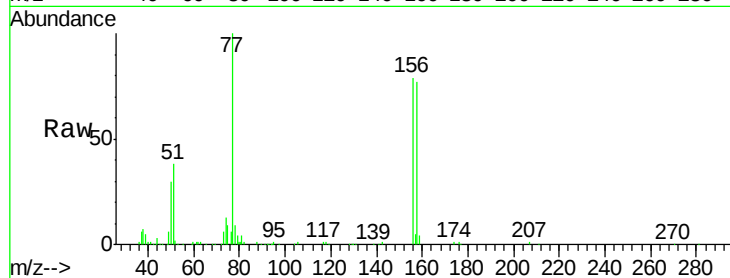
Tot Ion:156 Resp: 61546

Ion Ratio Lower Upper

156 100

77 127.1 71.5 214.3

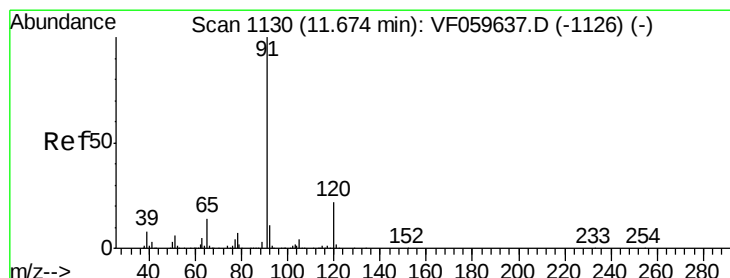
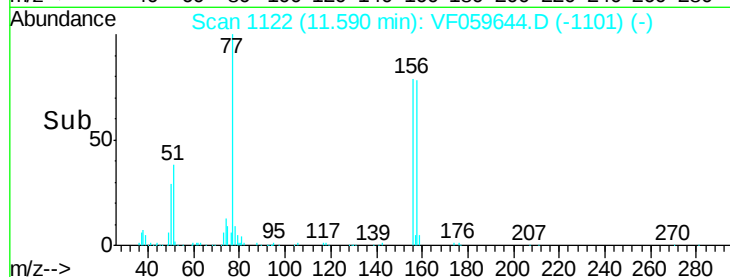
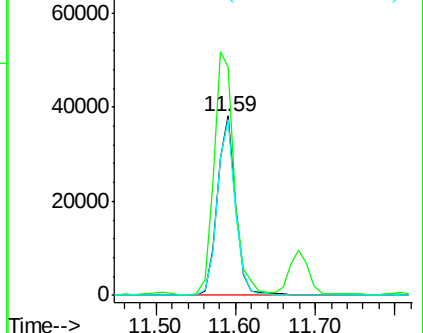
158 98.3 50.0 149.8



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: 23.957 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059644.D

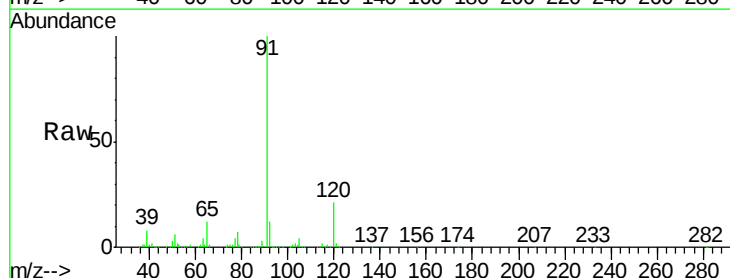
Acq: 24 Jul 2018 21:40

Tgt Ion: 91 Resp: 333030

Ion Ratio Lower Upper

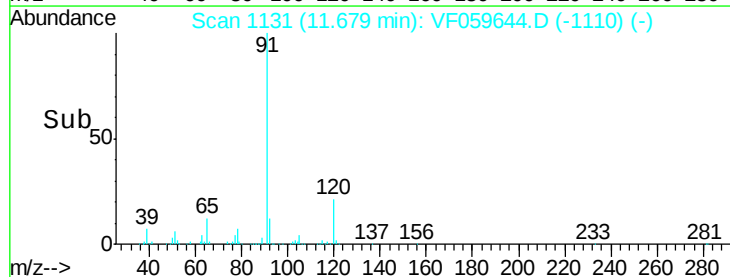
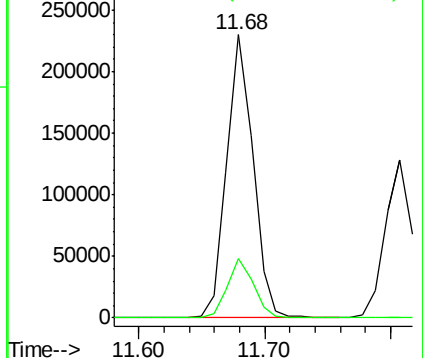
91 100

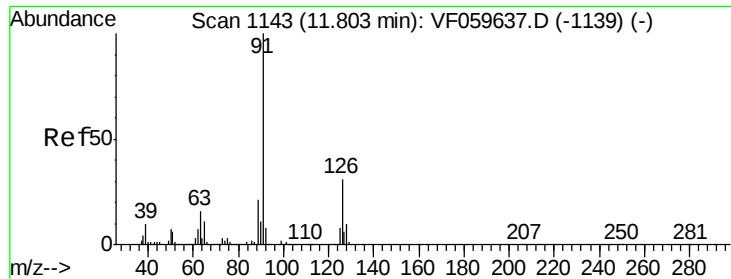
120 20.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.006 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

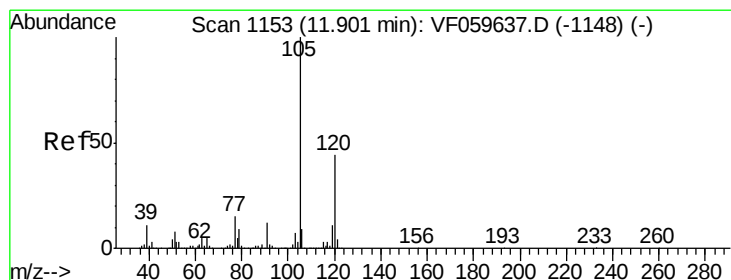
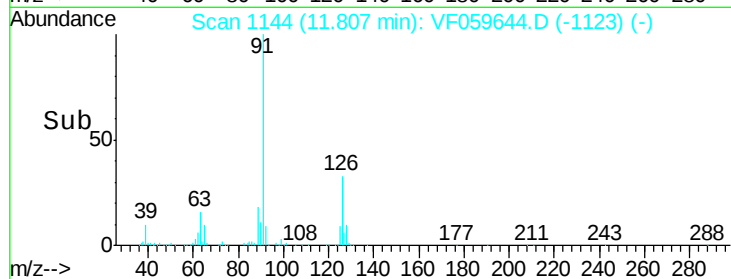
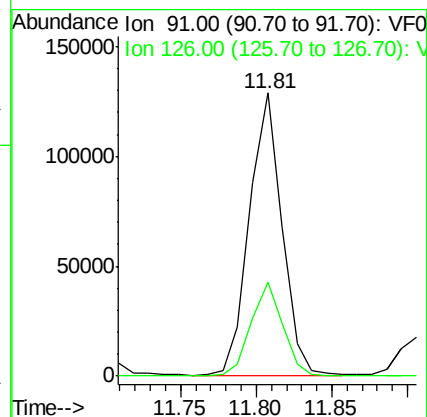
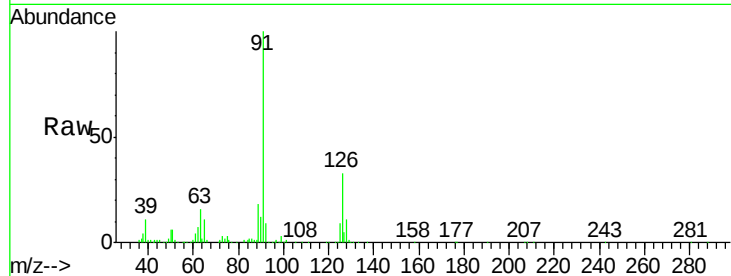
ClientSampled :

Tot Ion: 91 Resp: 192475

Ion Ratio Lower Upper

91 100

126 33.3 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 23.596 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059644.D

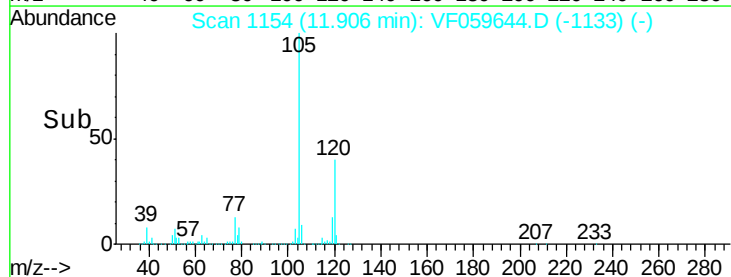
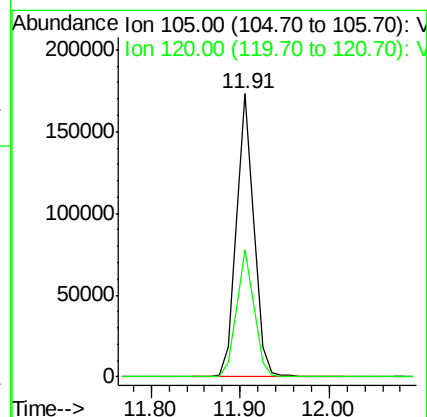
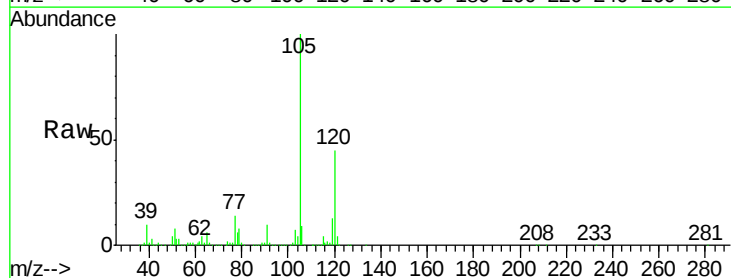
Acq: 24 Jul 2018 21:40

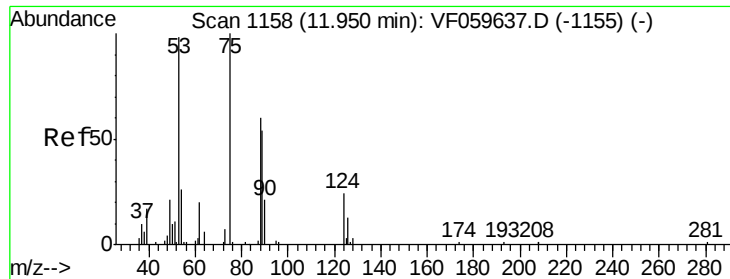
Tgt Ion:105 Resp: 244817

Ion Ratio Lower Upper

105 100

120 44.9 21.8 65.4

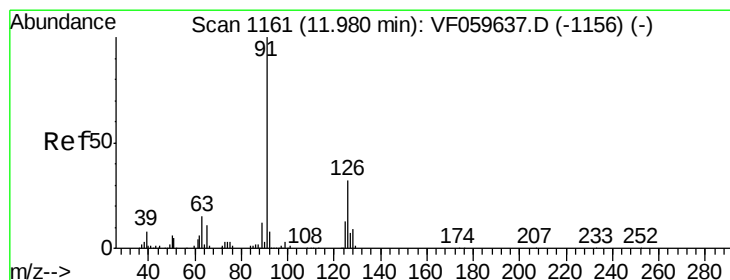
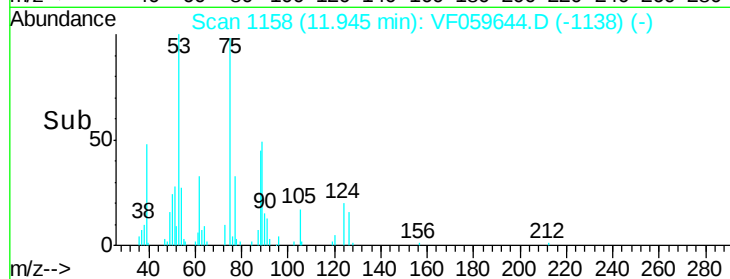
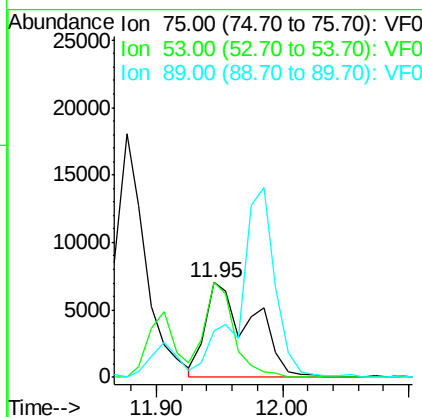
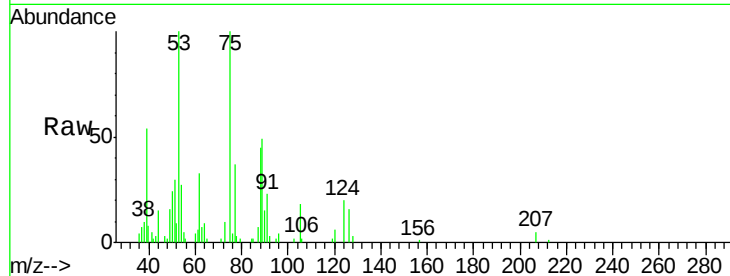




#81
trans-1,4-Dichloro-2-butene
Concen: 20.516 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

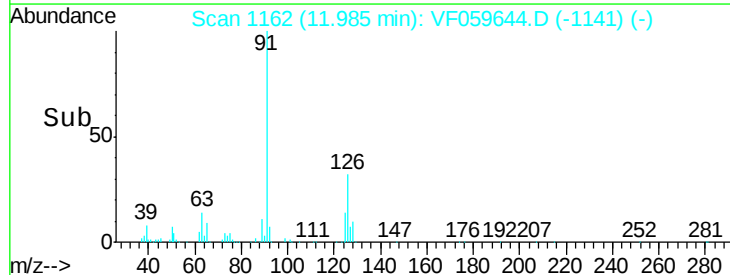
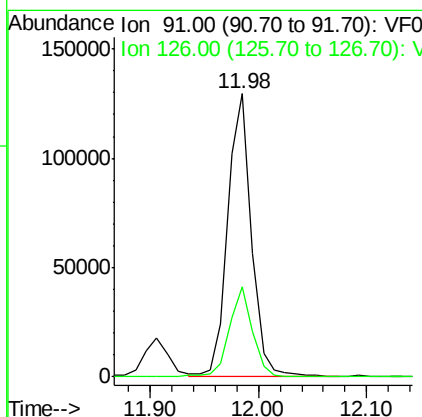
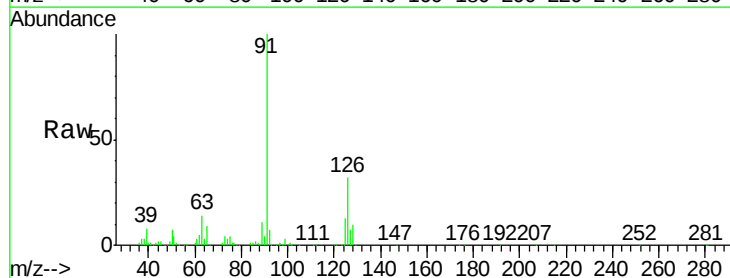
Instrument :
MSVOA_F
ClientSampled :

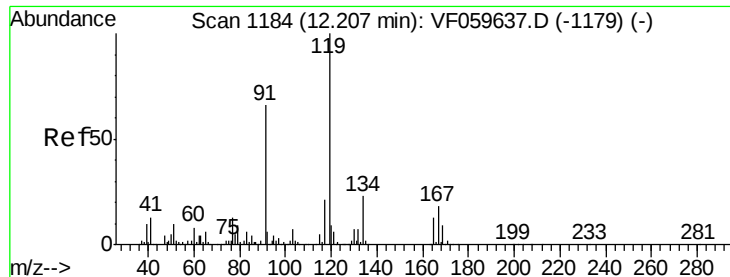
Tot Ion: 75 Resp: 18447
Ion Ratio Lower Upper
75 100
53 99.7 82.3 123.5
89 48.7 48.2 72.2



#82
4-Chlorotoluene
Concen: 22.077 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion: 91 Resp: 197101
Ion Ratio Lower Upper
91 100
126 31.8 16.1 48.2





#83

tert-Butylbenzene

Concen: 23.184 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

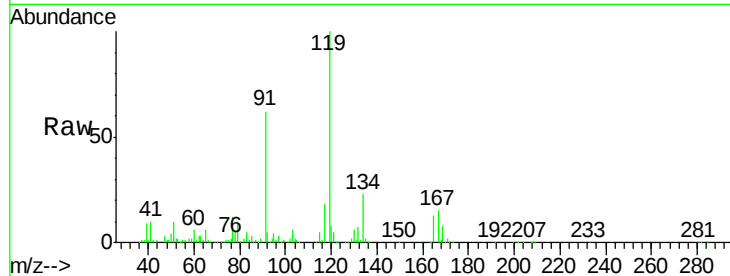
ClientSampleId :

Tot Ion:119 Resp: 242509

Ion	Ratio	Lower	Upper
119	100		
91	62.0	33.2	99.6
134	22.9	11.5	34.4

91 62.0 33.2 99.6

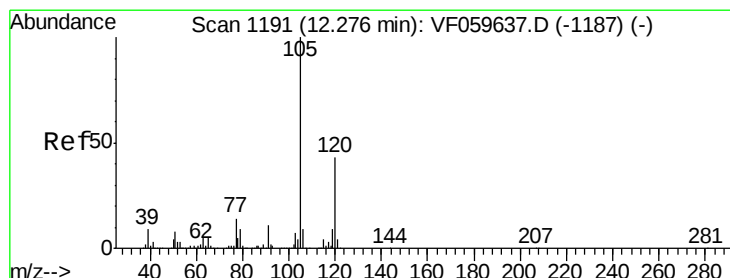
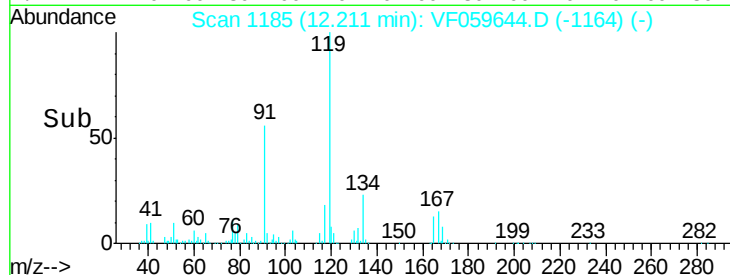
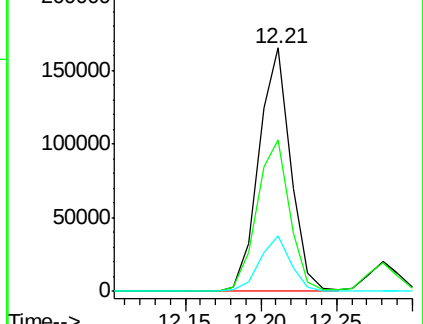
134 22.9 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.902 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF059644.D

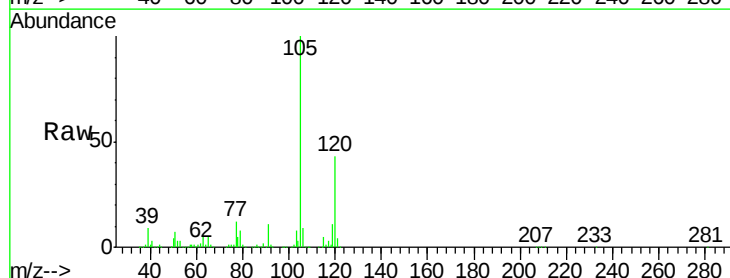
Acq: 24 Jul 2018 21:40

Tgt Ion:105 Resp: 243877

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.2

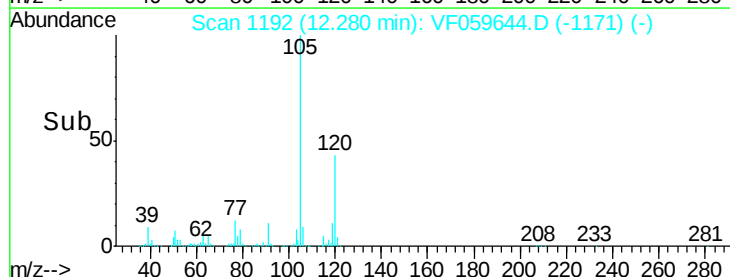
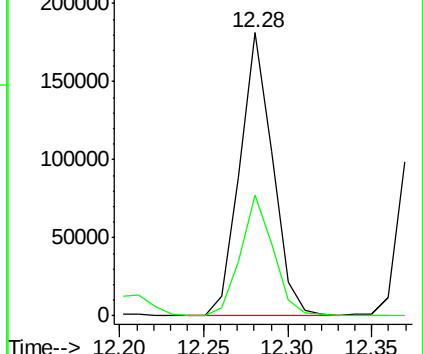
105 100

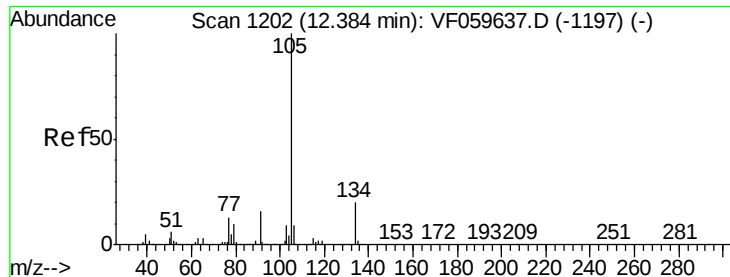
120 42.8 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.444 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

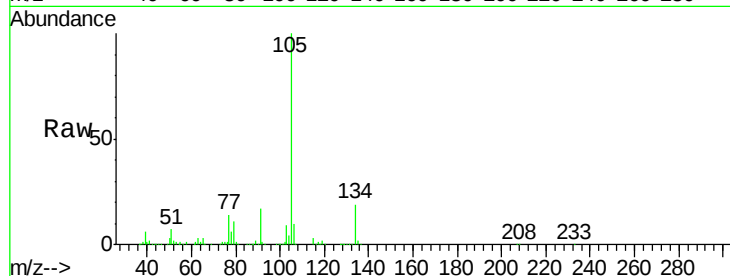
ClientSampleId :

Tot Ion:105 Resp: 326949

Ion Ratio Lower Upper

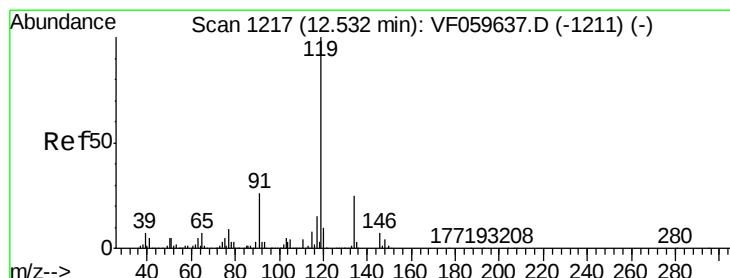
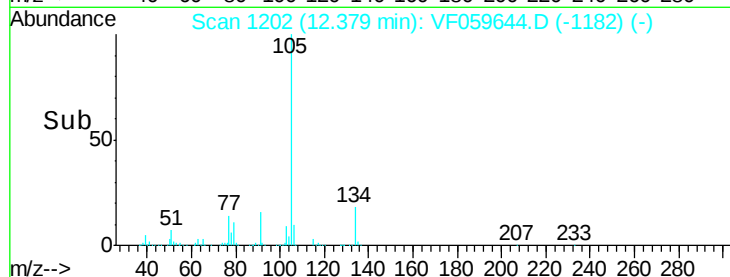
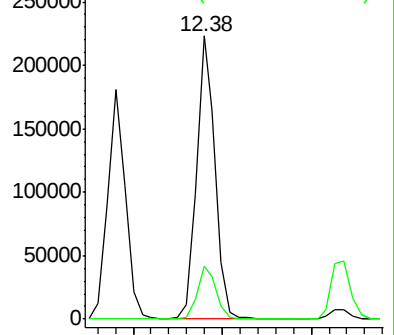
105 100

134 18.6 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.424 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

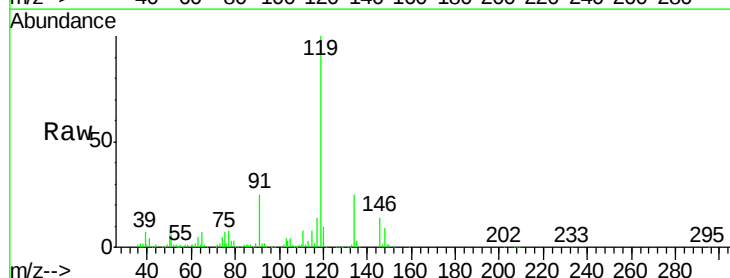
Tgt Ion:119 Resp: 284379

Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.0

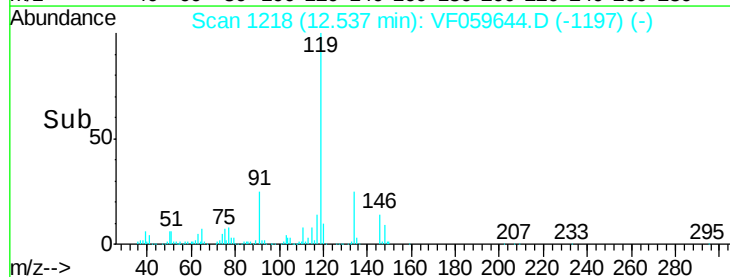
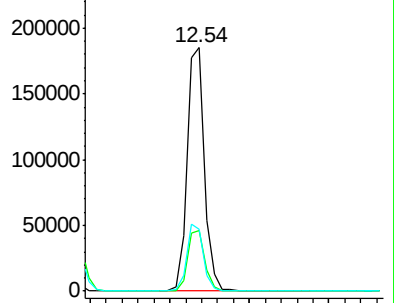
91 25.2 13.1 39.1

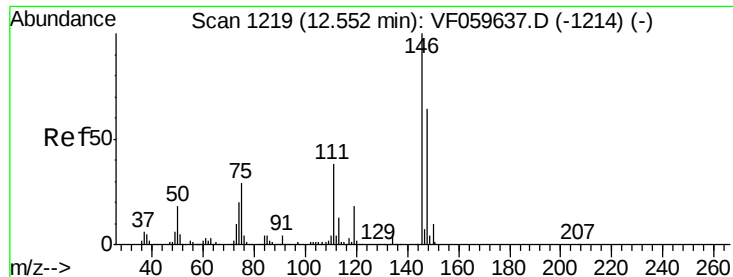


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 25.976 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampled :

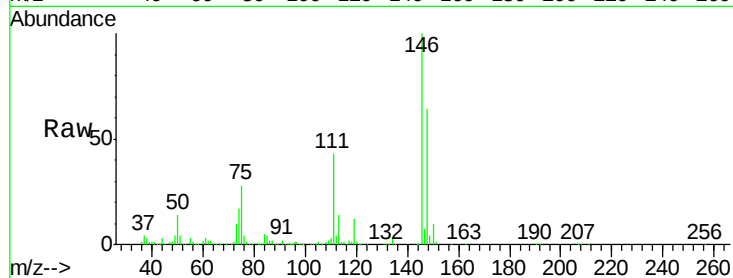
Tot Ion:146 Resp: 143142

Ion Ratio Lower Upper

146 100

111 42.5 19.1 57.1

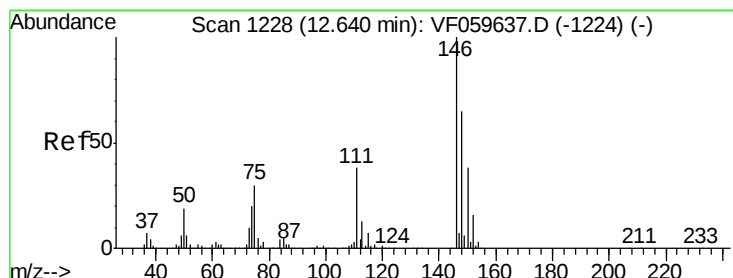
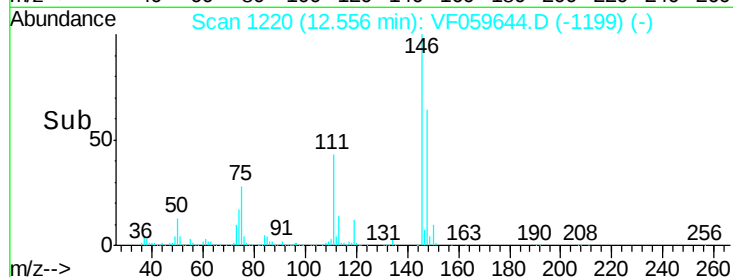
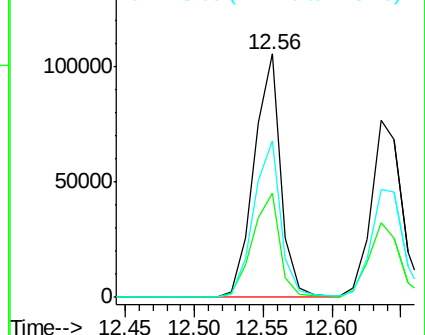
148 64.3 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.240 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

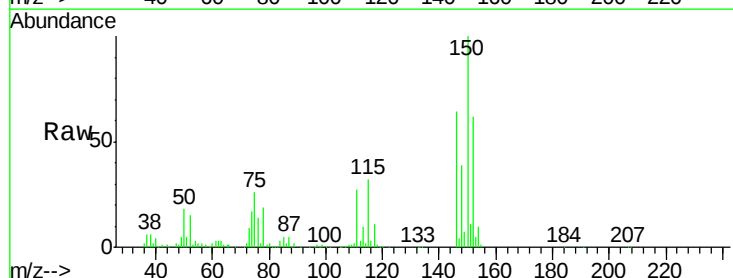
Tgt Ion:146 Resp: 117648

Ion Ratio Lower Upper

146 100

111 41.9 19.1 57.1

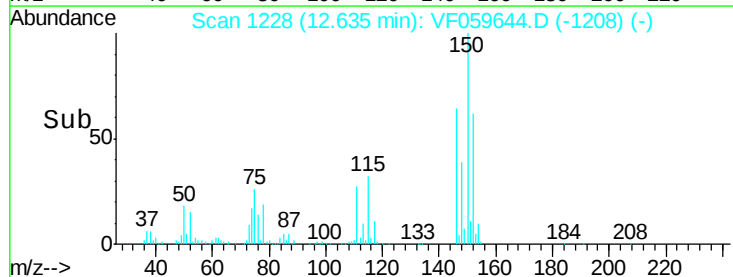
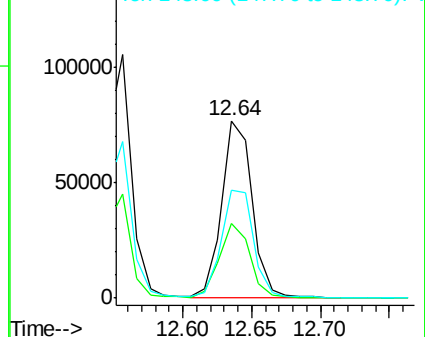
148 60.8 32.4 97.2

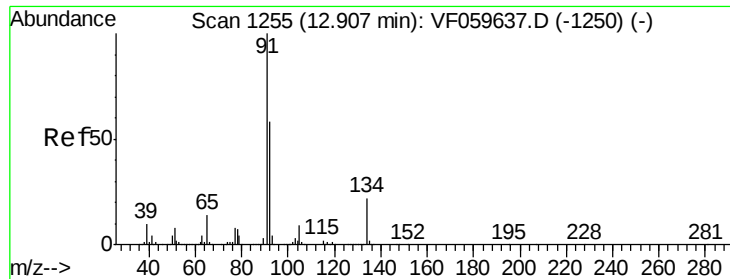


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.155 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF059644.D

Acq: 24 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampled :

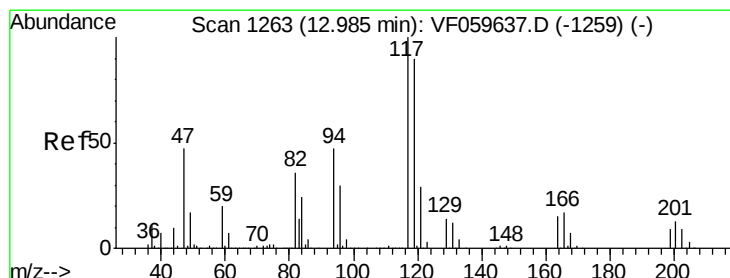
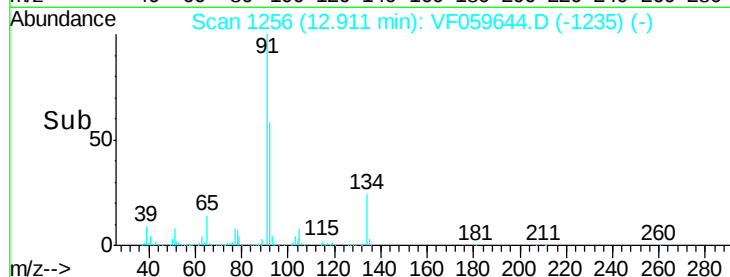
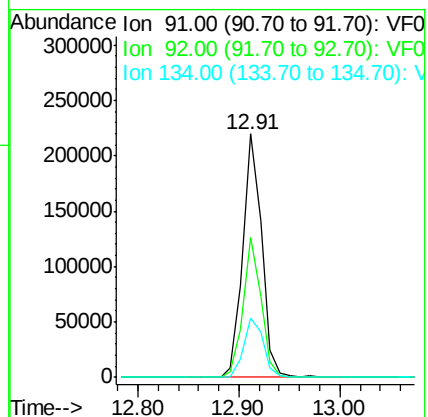
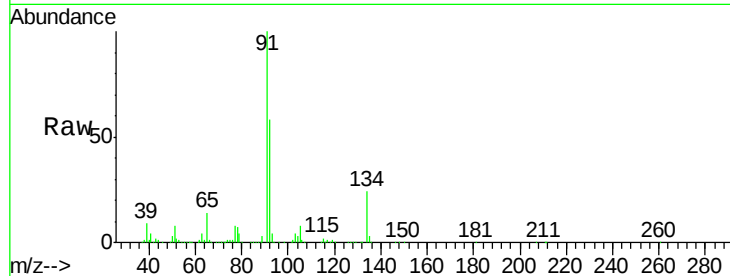
Tot Ion: 91 Resp: 284890

Ion Ratio Lower Upper

91 100

92 57.7 29.1 87.3

134 24.4 11.2 33.6



#90

Hexachloroethane

Concen: 23.138 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059644.D

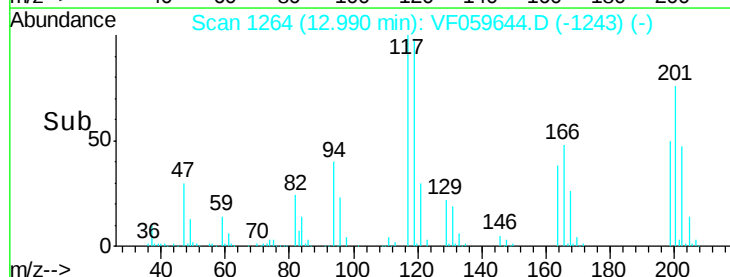
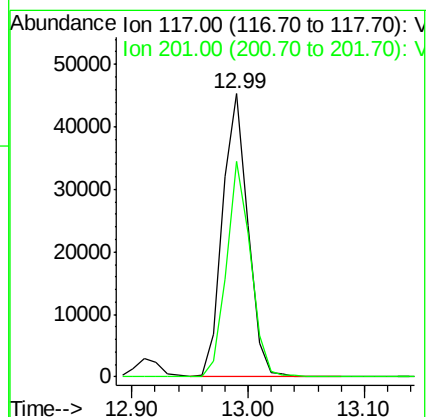
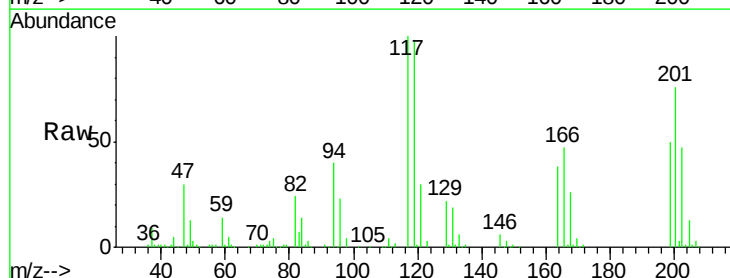
Acq: 24 Jul 2018 21:40

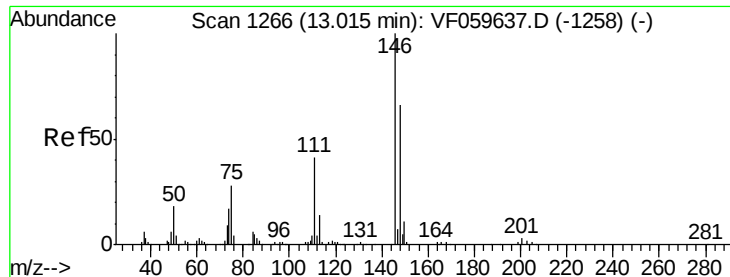
Tgt Ion: 117 Resp: 68526

Ion Ratio Lower Upper

117 100

201 76.2 6.6 19.7#

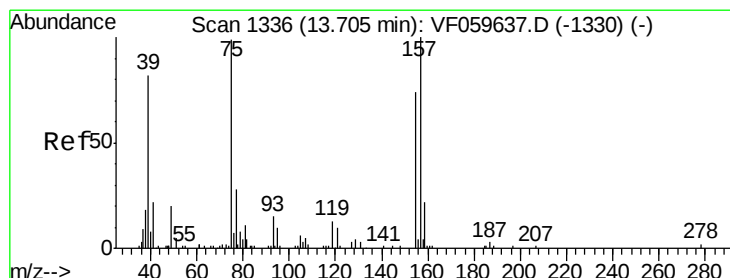
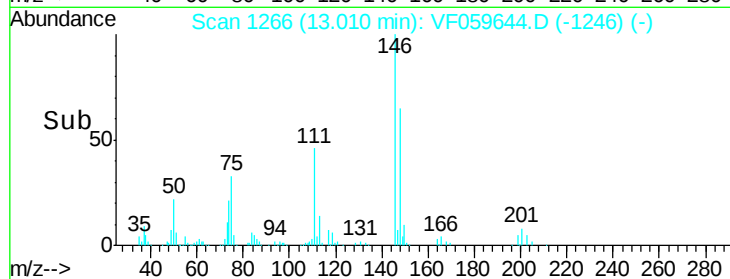
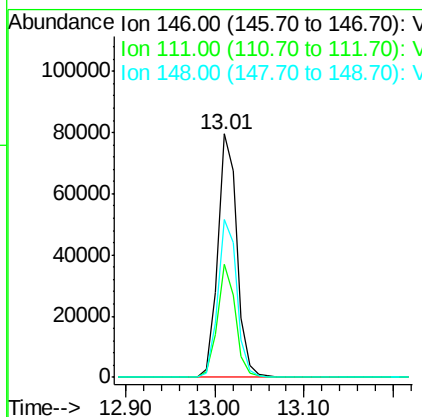
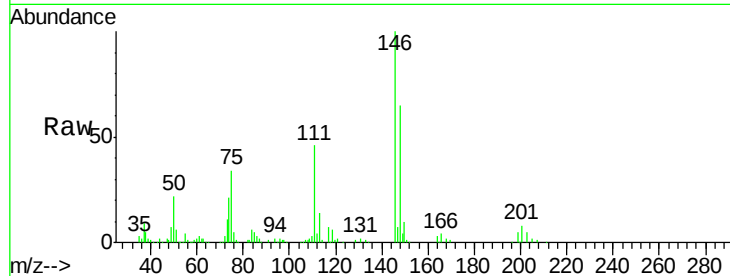




#91
 1,2-Dichlorobenzene
 Concen: 22.622 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

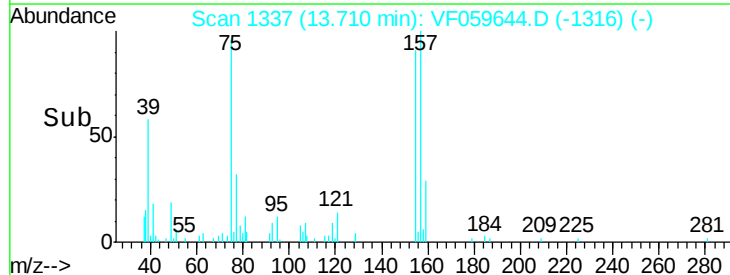
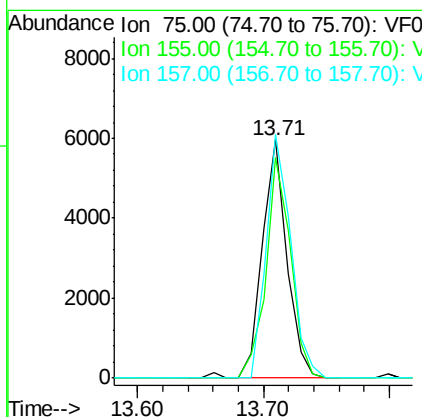
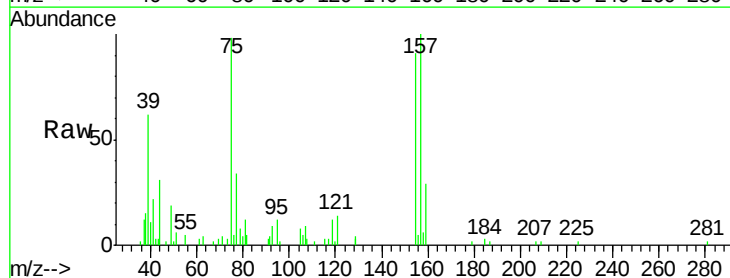
Instrument :
 MSVOA_F
 ClientSampleId :

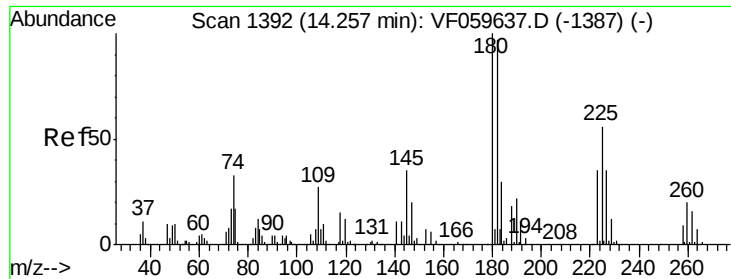
Tot Ion	146	Resp	120770
Ion Ratio	100	Lower	Upper
111	46.2	20.3	61.0
148	64.7	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.968 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion	75	Resp	8194
Ion Ratio	100	Lower	Upper
155	92.6	37.5	112.7
157	102.1	50.6	151.9

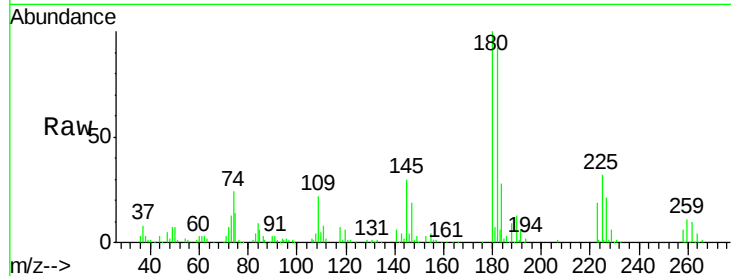




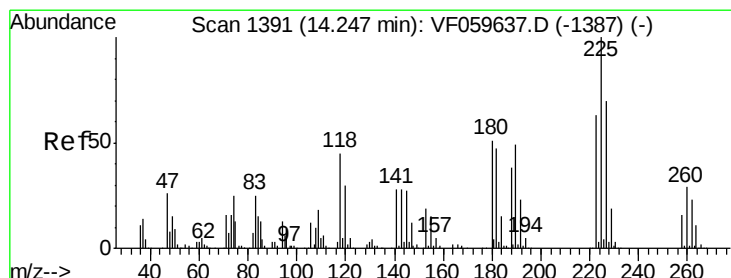
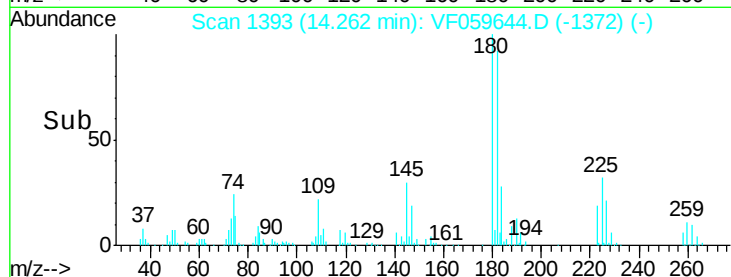
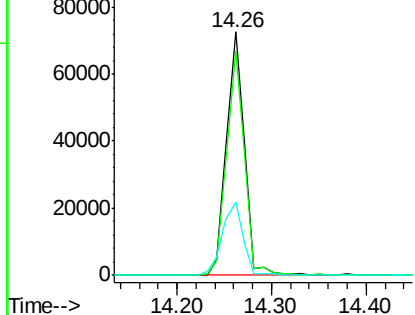
#93
 1,2,4-Trichlorobenzene
 Concen: 21.832 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 94979
 Ion Ratio Lower Upper
 180 100
 182 92.4 48.5 145.6
 145 29.9 17.4 52.2

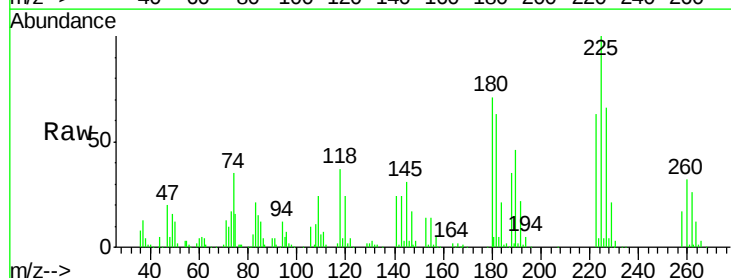


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

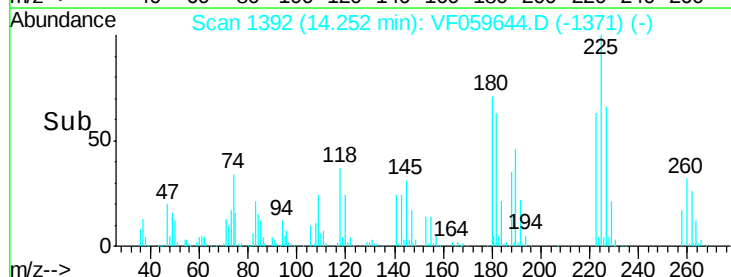
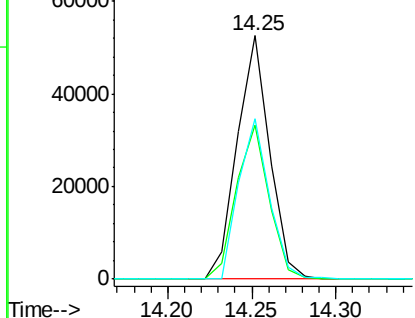


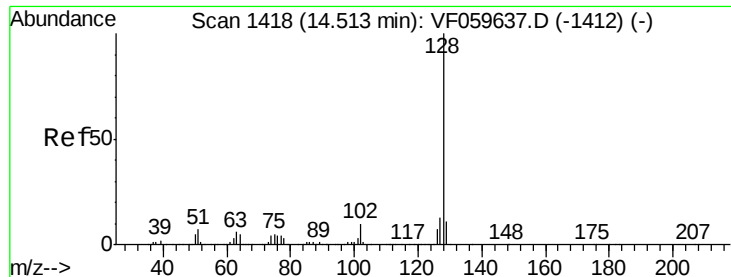
#94
 Hexachlorobutadiene
 Concen: 22.822 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059644.D
 Acq: 24 Jul 2018 21:40

Tgt Ion:225 Resp: 70387
 Ion Ratio Lower Upper
 225 100
 223 63.0 33.3 99.8
 227 65.8 34.8 104.4



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

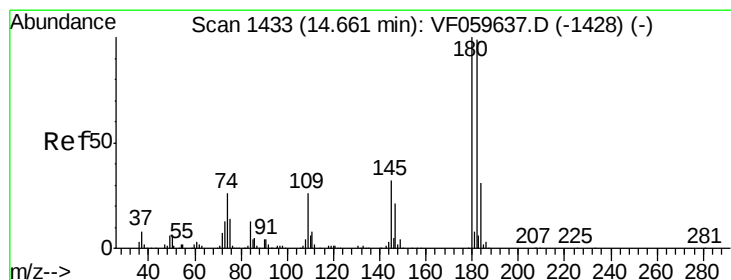
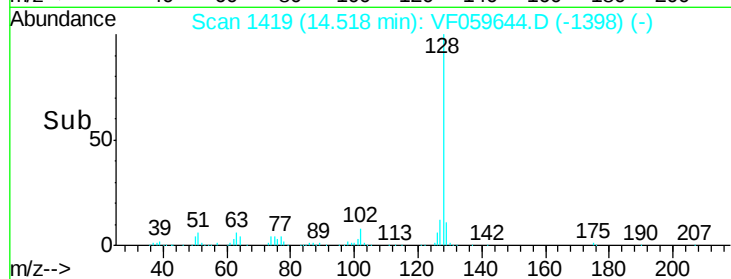
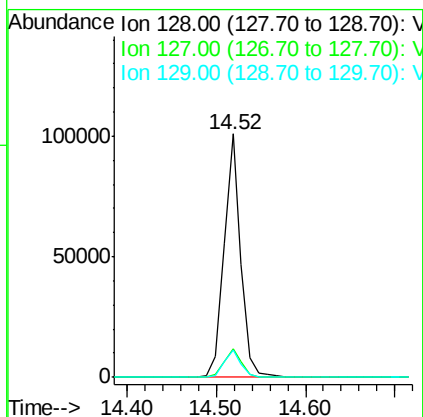
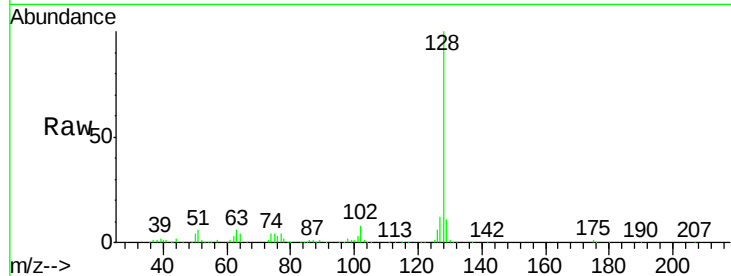




#95
Naphthalene
Concen: 20.190 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 133560
Ion Ratio Lower Upper
128 100
127 11.9 10.1 15.1
129 11.1 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 22.287 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059644.D
Acq: 24 Jul 2018 21:40

Tgt Ion:180 Resp: 84061
Ion Ratio Lower Upper
180 100
182 93.5 49.5 148.5
145 28.7 16.0 48.0

