

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059545.D
 Acq On : 19 Jul 2018 7:46
 Operator : VA/AP
 Sample : VF0719SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Quant Time: Jul 19 08:35:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	225695	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	340559	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	345304	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	223978	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	191682	54.61	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.22%	
35) Dibromofluoromethane	4.28	113	149857	50.81	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	7.70	98	344269	46.34	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	11.50	95	211942	54.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	60741	21.966	ug/l	99
3) Chloromethane	1.08	50	29879	19.638	ug/l	90
4) Vinyl Chloride	1.14	62	32793	21.361	ug/l	94
5) Bromomethane	1.33	94	27804	26.133	ug/l	93
6) Chloroethane	1.42	64	20254	26.164	ug/l	97
7) Trichlorofluoromethane	1.52	101	35909	9.557	ug/l	99
8) Diethyl Ether	1.70	74	14818	20.495	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45863	28.904	ug/l #	92
10) Methyl Iodide	1.95	142	80370	28.934	ug/l	87
11) Tert butyl alcohol	2.68	59	18476	117.503	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	36761	21.785	ug/l	87
13) Acrolein	2.09	56	7623	88.012	ug/l	91
14) Allyl chloride	2.18	41	59765	28.381	ug/l	81
15) Acrylonitrile	3.07	53	30683	104.187	ug/l	90
16) Acetone	2.34	43	67175	113.029	ug/l	94
17) Carbon Disulfide	1.83	76	93401	21.600	ug/l	95
18) Methyl Acetate	2.53	43	38378	34.882	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	105883	20.003	ug/l	96
20) Methylene Chloride	2.27	84	42344	24.392	ug/l #	85
21) trans-1,2-Dichloroethene	2.41	96	35640	22.844	ug/l #	76
22) Diisopropyl ether	2.92	45	126748	21.416	ug/l	93
23) Vinyl Acetate	3.32	43	346462	100.179	ug/l	97
24) 1,1-Dichloroethane	3.00	63	91627	25.070	ug/l	98
25) 2-Butanone	4.50	43	76911	94.376	ug/l	98
26) 2,2-Dichloropropane	3.76	77	59412	24.570	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	45753	25.198	ug/l	95
28) Bromochloromethane	3.88	49	34968	21.736	ug/l #	92
29) Tetrahydrofuran	4.25	42	36898	98.276	ug/l	93
30) Chloroform	4.02	83	117933	22.336	ug/l	98
31) Cyclohexane	3.85	56	49694	26.249	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	96870	28.232	ug/l	96
36) 1,1-Dichloropropene	4.45	75	74952	21.988	ug/l	98
37) Ethyl Acetate	4.27	43	42162	19.458	ug/l #	1
38) Carbon Tetrachloride	4.16	117	115428	29.549	ug/l	93

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 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	62806	24.278	ug/l	95
40) Benzene	4.80	78	141296	21.366	ug/l	100
41) Methacrylonitrile	4.91	41	16681	17.064	ug/l #	83
42) 1,2-Dichloroethane	5.11	62	96076	22.118	ug/l	97
43) Isopropyl Acetate	7.11	43	44969	18.359	ug/l #	97
44) Trichloroethene	5.67	130	53534	21.870	ug/l	98
45) 1,2-Dichloropropane	6.40	63	40155	21.877	ug/l	99
46) Dibromomethane	6.24	93	37317	22.324	ug/l	90
47) Bromodichloromethane	6.54	83	98288	22.843	ug/l	97
48) Methyl methacrylate	6.86	41	29179	16.680	ug/l	92
49) 1,4-Dioxane	6.86	88	3467	400.054	ug/l #	60
51) 4-Methyl-2-Pentanone	8.40	43	167096	96.237	ug/l	94
52) Toluene	7.77	92	103687	21.619	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	79481	20.082	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	80565	20.443	ug/l	91
55) 1,1,2-Trichloroethane	8.63	97	43178	23.235	ug/l #	93
56) Ethyl methacrylate	8.75	69	44971	19.514	ug/l	95
57) 1,3-Dichloropropane	8.99	76	71080	21.632	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	23417	115.094	ug/l	100
59) 2-Hexanone	9.62	43	129971	99.046	ug/l	93
60) Dibromochloromethane	8.85	129	66431	21.212	ug/l	91
61) 1,2-Dibromoethane	9.13	107	50436	21.873	ug/l	98
64) Tetrachloroethene	8.30	164	58310	22.676	ug/l	95
65) Chlorobenzene	9.94	112	145069	22.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	65495	22.204	ug/l	92
67) Ethyl Benzene	10.03	91	264308	22.929	ug/l	94
68) m/p-Xylenes	10.26	106	189118	46.483	ug/l	98
69) o-Xylene	10.82	106	100689	23.242	ug/l	100
70) Styrene	10.89	104	147968	22.220	ug/l	99
71) Bromoform	10.88	173	43144	21.057	ug/l	99
73) Isopropylbenzene	11.22	105	294556	20.841	ug/l	100
74) N-amyl acetate	11.45	43	76113	16.815	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	62190	20.175	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	51954	20.639	ug/l	94
77) Bromobenzene	11.59	156	85388	21.554	ug/l	97
78) n-propylbenzene	11.68	91	361220	22.281	ug/l	97
79) 2-Chlorotoluene	11.81	91	213786	21.408	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	261542	22.084	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	26314	22.884	ug/l	91
82) 4-Chlorotoluene	11.99	91	239925	21.442	ug/l	94
83) tert-Butylbenzene	12.21	119	258350	22.730	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	281526	23.106	ug/l	96
85) sec-Butylbenzene	12.38	105	342959	23.726	ug/l	96
86) p-Isopropyltoluene	12.54	119	292909	23.289	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	149642	22.018	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	150460	22.467	ug/l	96
89) n-Butylbenzene	12.91	91	285261	24.235	ug/l	97
90) Hexachloroethane	12.99	117	72400	25.342	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	148560	22.855	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	14148	20.259	ug/l	89

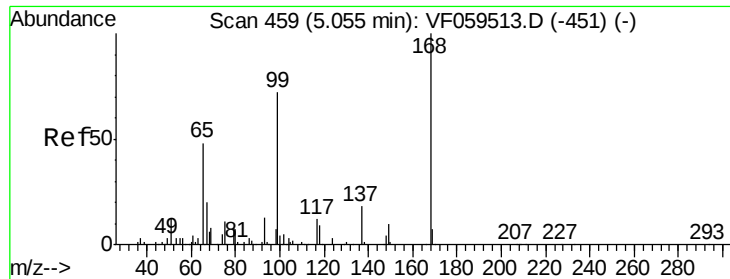
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	101353	25.662	ug/l	96
94) Hexachlorobutadiene	14.25	225	64879	32.066	ug/l	95
95) Naphthalene	14.52	128	191018	23.281	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	99502	27.883	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

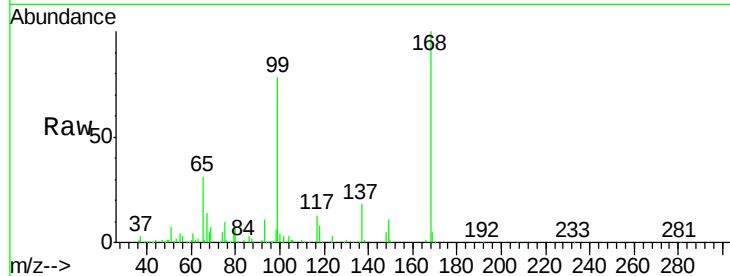
VF0719SBS01

Tot Ion:168 Resp: 225695

Ion Ratio Lower Upper

168 100

99 77.8 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

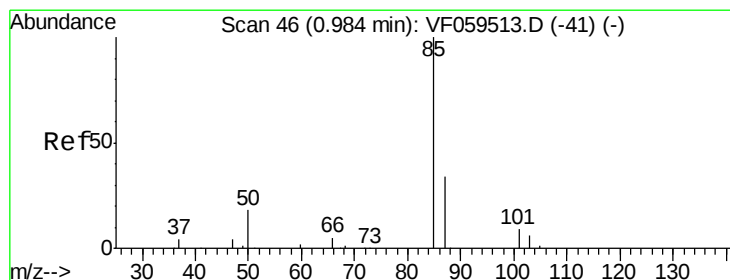
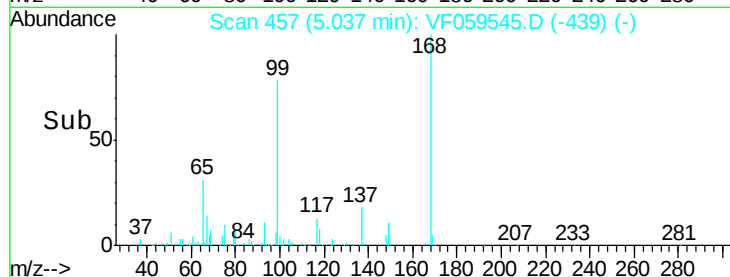
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.966 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059545.D

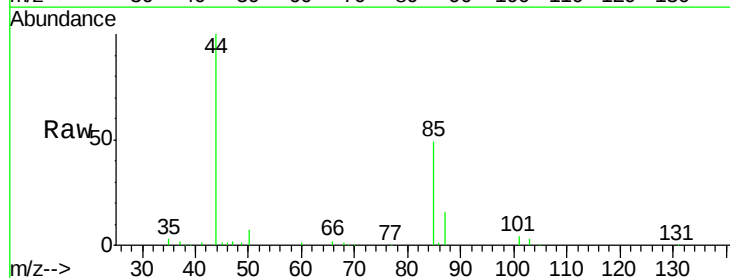
Acq: 19 Jul 2018 7:46

Tgt Ion: 85 Resp: 60741

Ion Ratio Lower Upper

85 100

87 32.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

15000

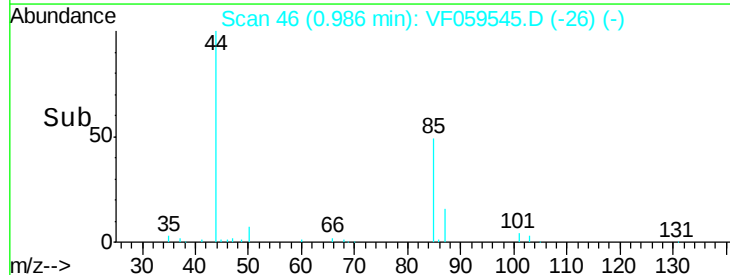
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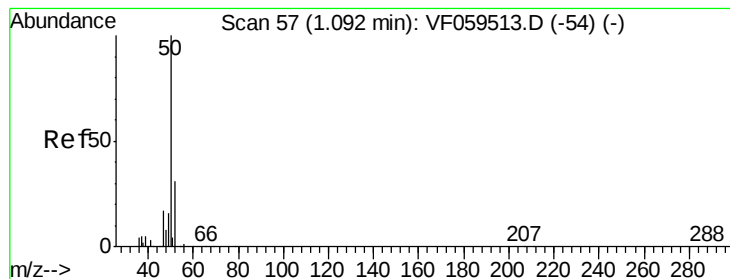
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.638 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

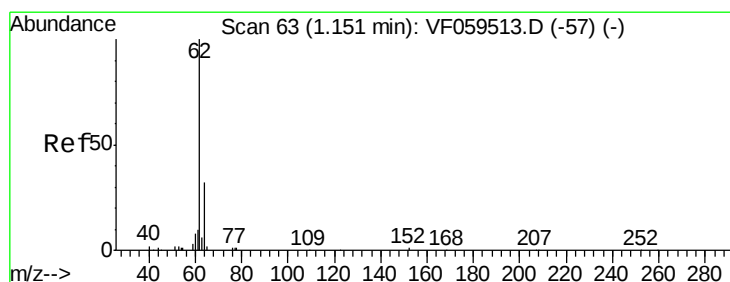
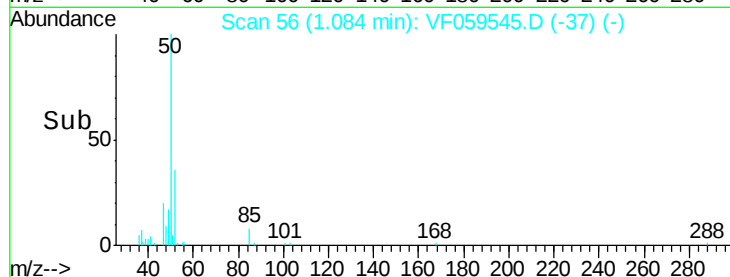
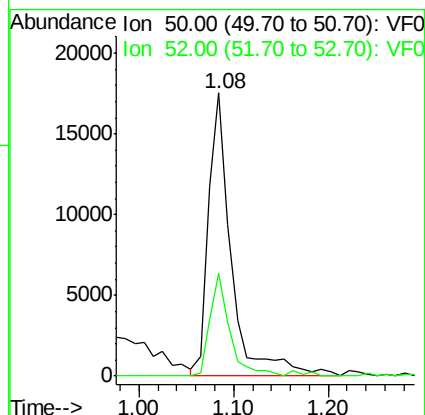
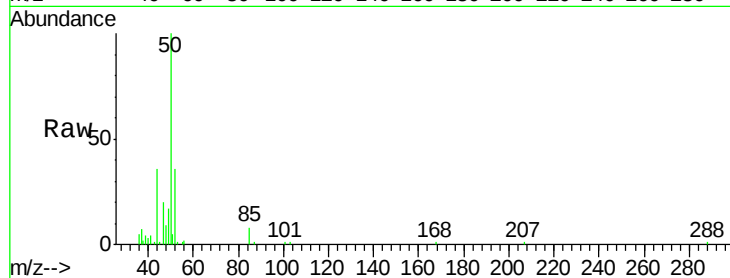
VF0719SBS01

Tot Ion: 50 Resp: 29879

Ion Ratio Lower Upper

50 100

52 36.3 24.6 37.0



#4

Vinyl Chloride

Concen: 21.361 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059545.D

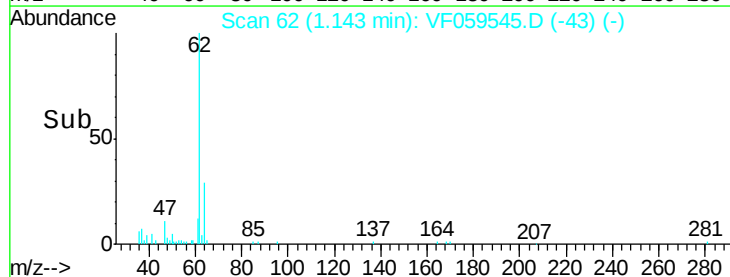
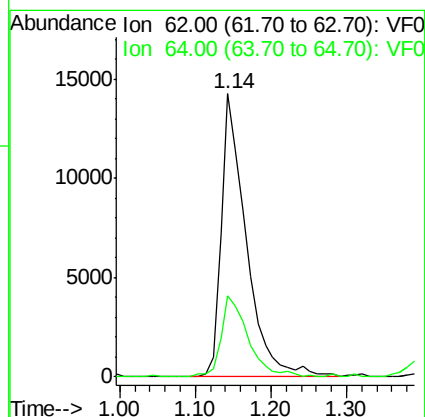
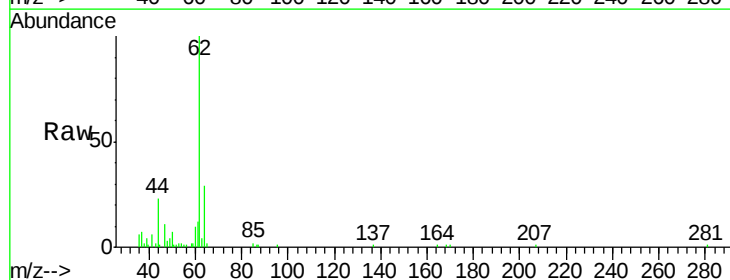
Acq: 19 Jul 2018 7:46

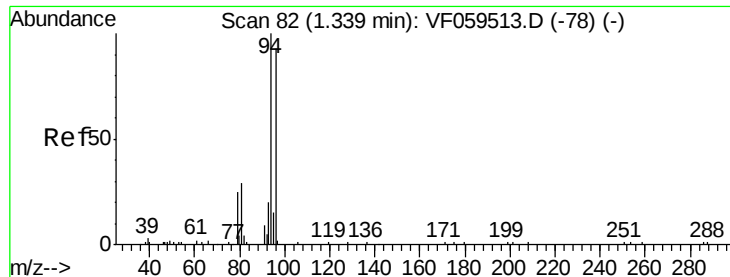
Tgt Ion: 62 Resp: 32793

Ion Ratio Lower Upper

62 100

64 28.8 25.7 38.5





#5

Bromomethane

Concen: 26.133 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

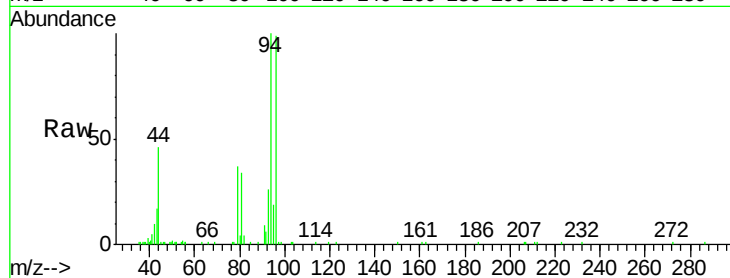
VF0719SBS01

Tot Ion: 94 Resp: 27804

Ion Ratio Lower Upper

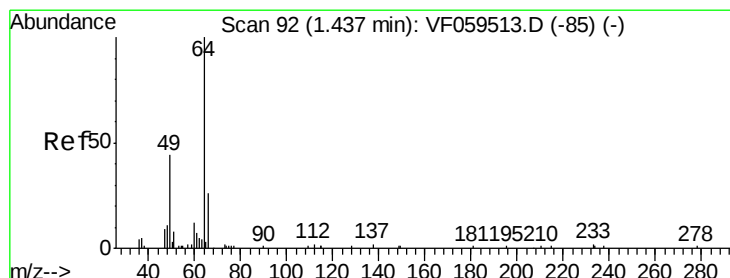
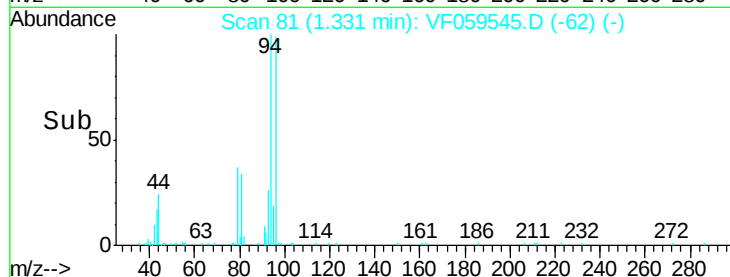
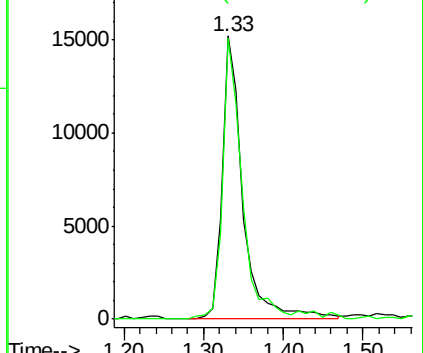
94 100

96 99.3 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 26.164 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059545.D

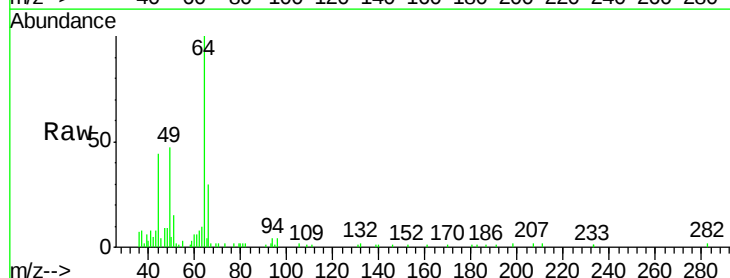
Acq: 19 Jul 2018 7:46

Tgt Ion: 64 Resp: 20254

Ion Ratio Lower Upper

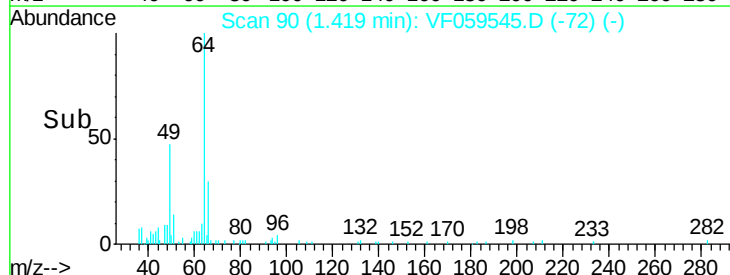
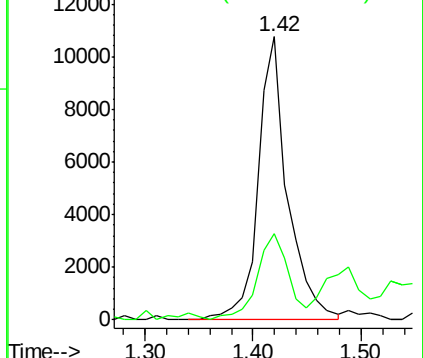
64 100

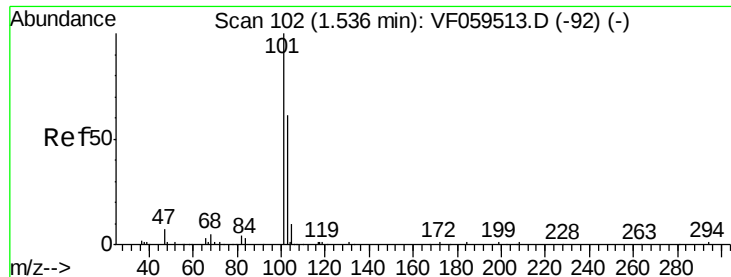
66 30.3 22.9 34.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



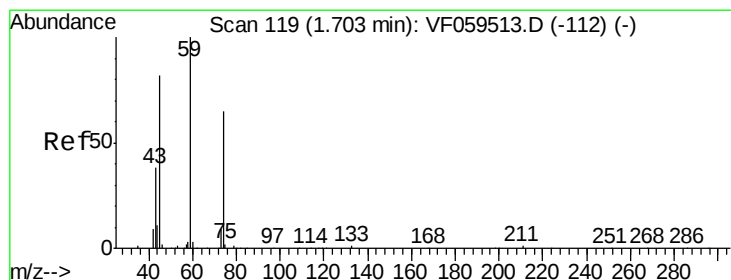
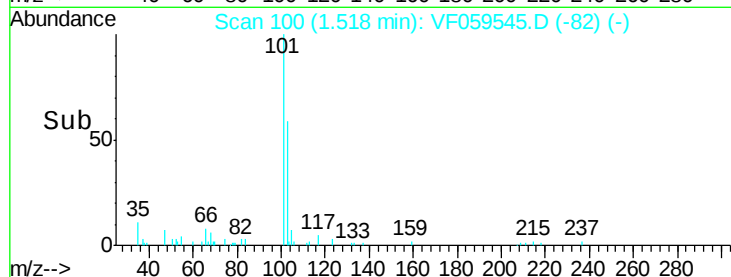
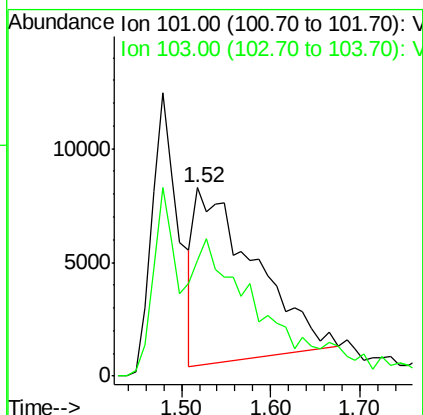
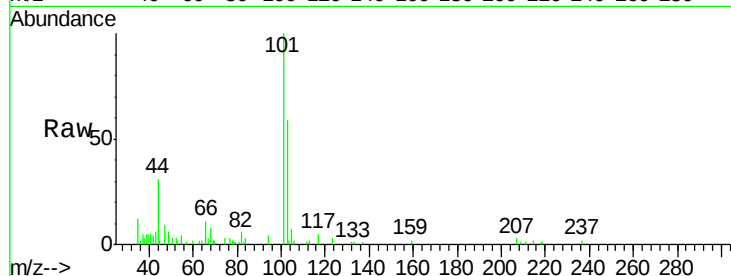


#7

Trichlorofluoromethane
Concen: 9.557 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
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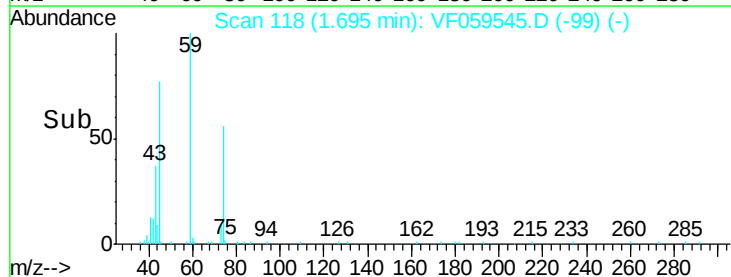
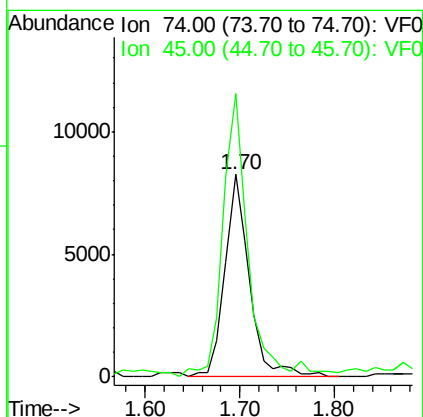
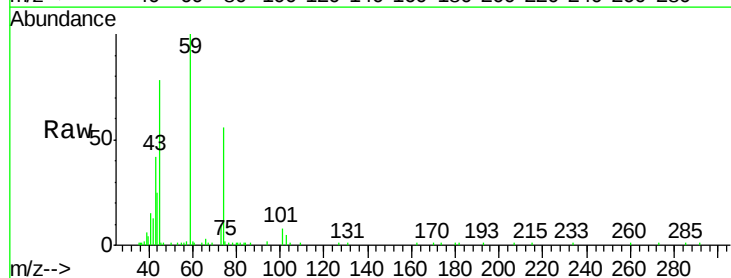
Tot Ion:101 Resp: 35909
Ion Ratio Lower Upper
101 100
103 61.4 48.6 72.8

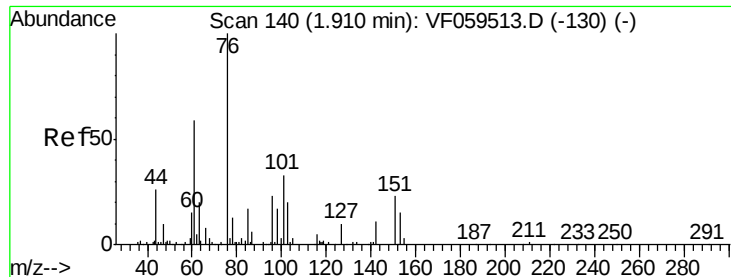


#8

Diethyl Ether
Concen: 20.495 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion: 74 Resp: 14818
Ion Ratio Lower Upper
74 100
45 139.9 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.904 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

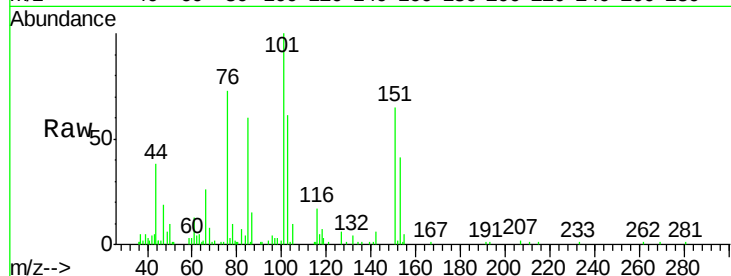
Tot Ion:101 Resp: 45863

Ion Ratio Lower Upper

101 100

85 59.7 39.8 59.6#

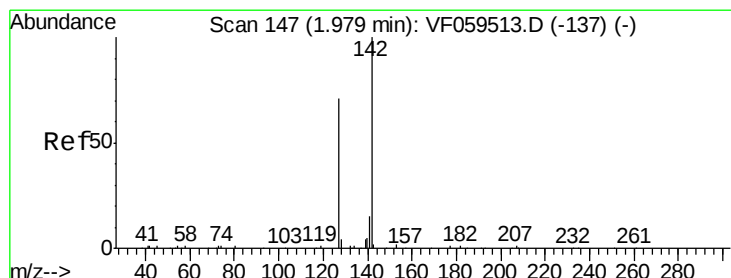
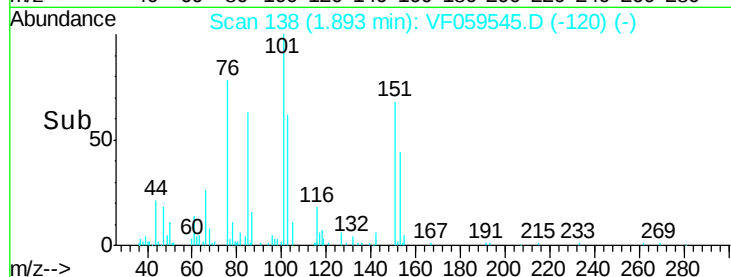
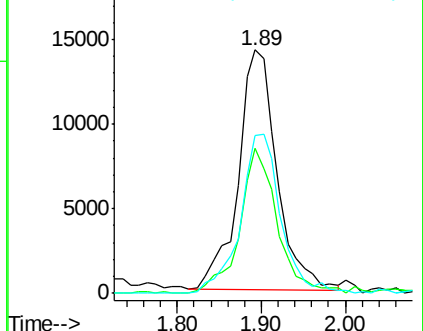
151 64.6 54.2 81.2



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: 28.934 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

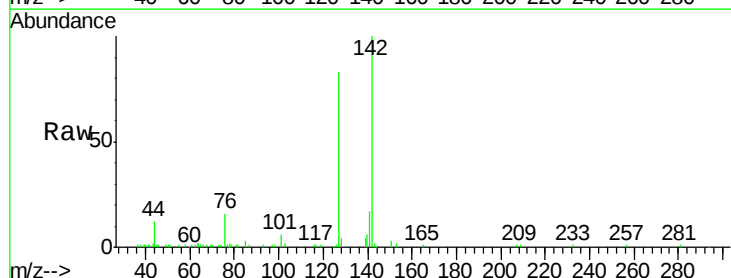
Tgt Ion:142 Resp: 80370

Ion Ratio Lower Upper

142 100

127 82.7 56.4 84.6

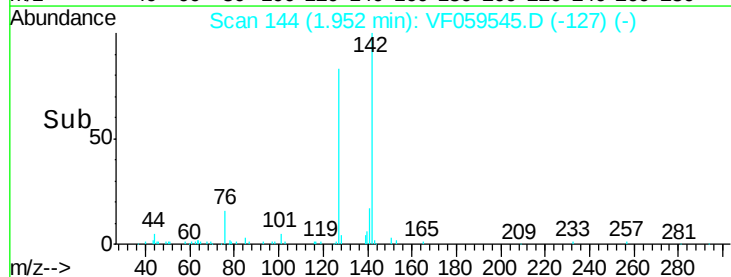
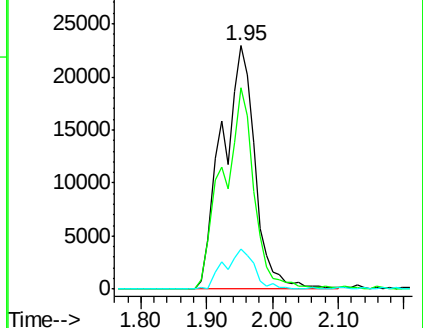
141 16.5 12.0 18.0

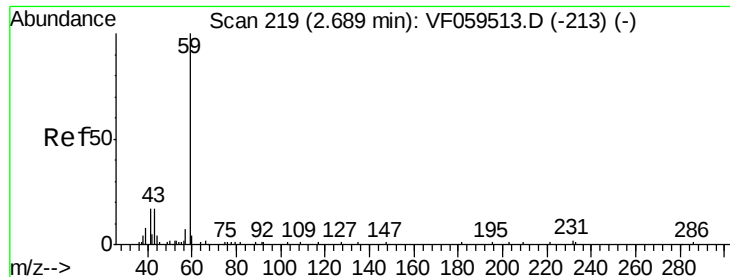


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



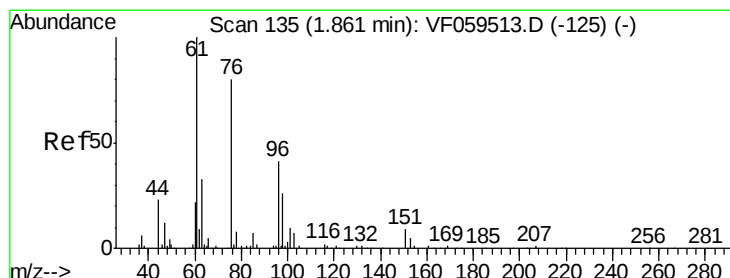
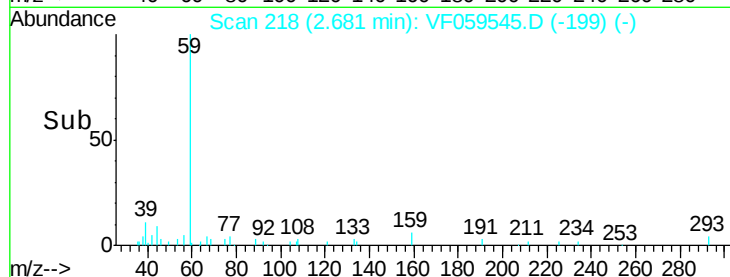
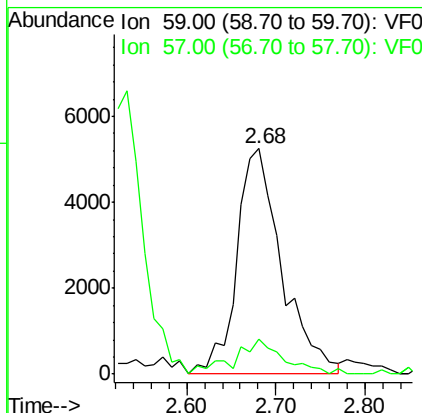
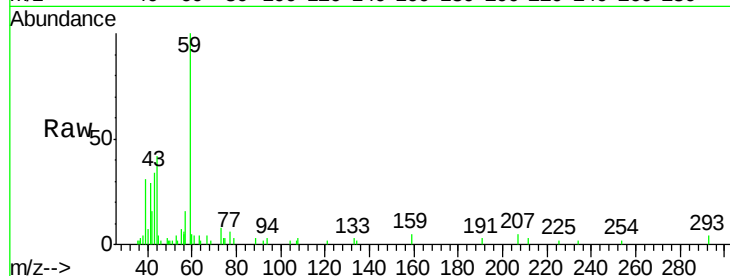


#11

Tert butyl alcohol
Concen: 117.503 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

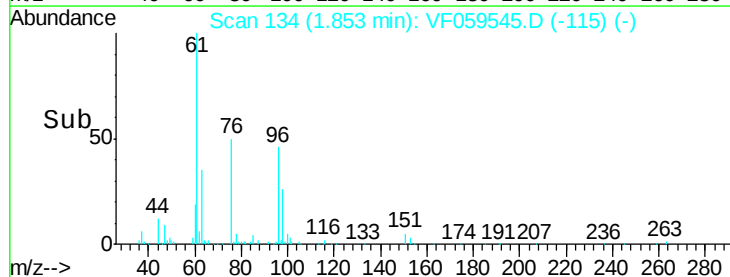
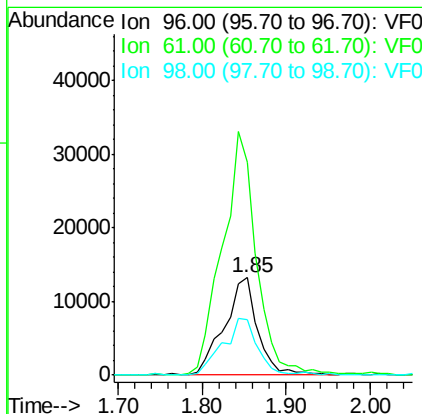
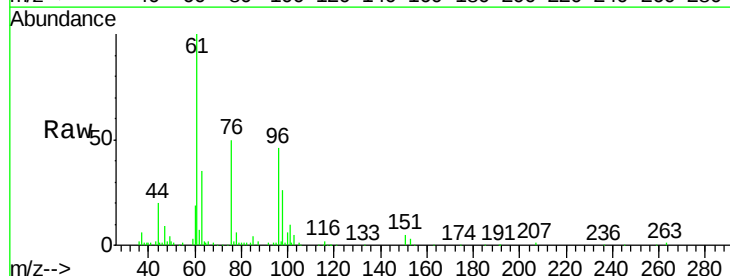
Tot Ion: 59 Resp: 18476
Ion Ratio Lower Upper
59 100
57 15.8 7.7 11.5#

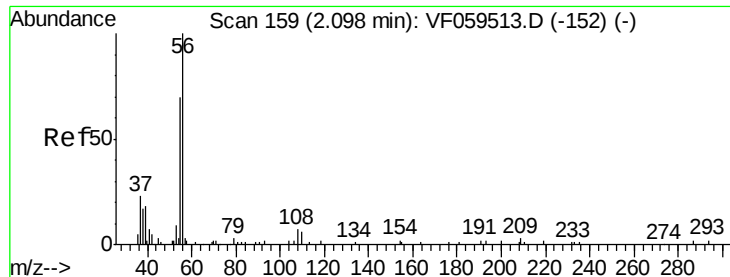


#12

1,1-Dichloroethene
Concen: 21.785 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion: 96 Resp: 36761
Ion Ratio Lower Upper
96 100
61 218.5 194.3 291.5
98 56.3 50.3 75.5





#13

Acrolein

Concen: 88.012 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

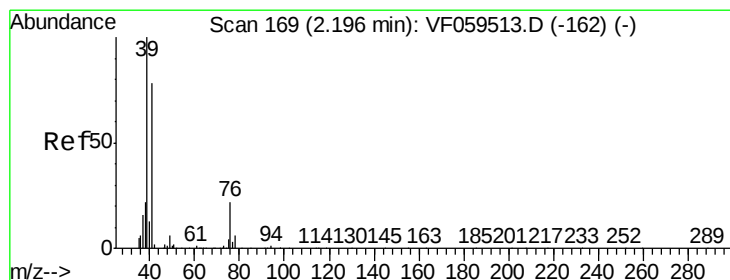
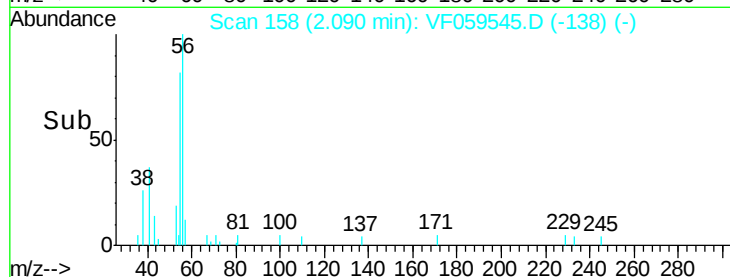
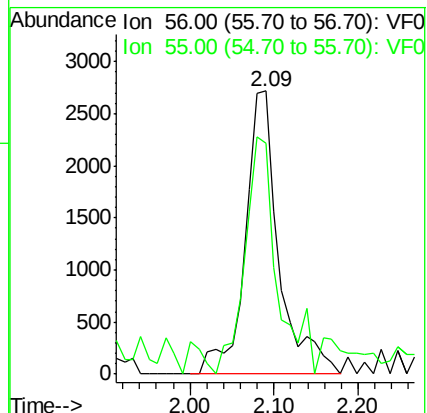
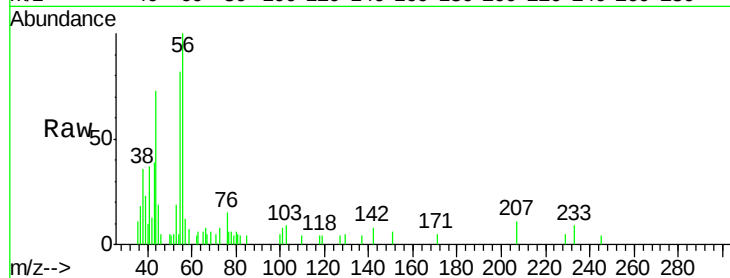
VF0719SBS01

Tot Ion: 56 Resp: 7623

Ion Ratio Lower Upper

56 100

55 81.8 59.4 89.2



#14

Allyl chloride

Concen: 28.381 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

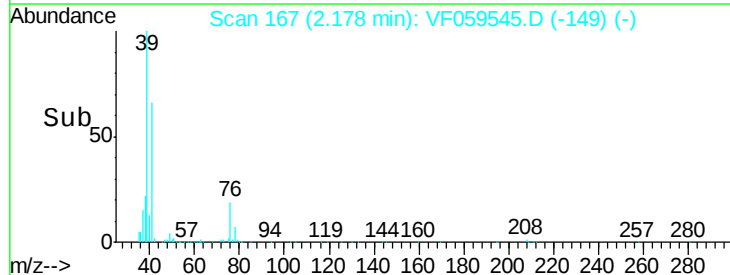
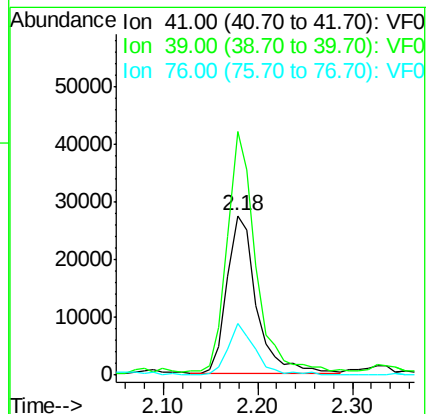
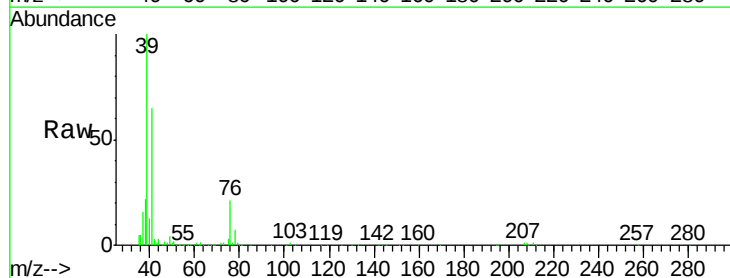
Tgt Ion: 41 Resp: 59765

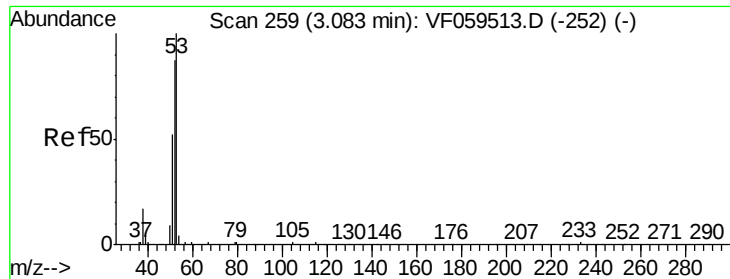
Ion Ratio Lower Upper

41 100

39 153.0 103.0 154.4

76 32.3 22.6 34.0





#15

Acrylonitrile

Concen: 104.187 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

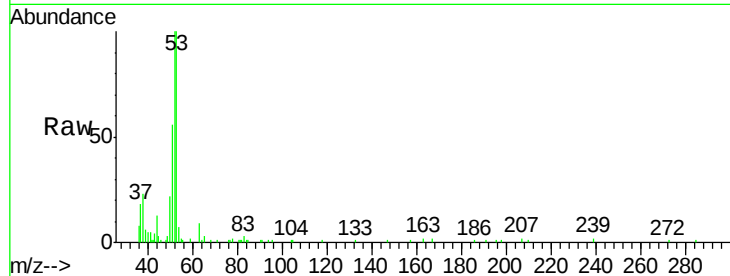
MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 53 Resp: 30683

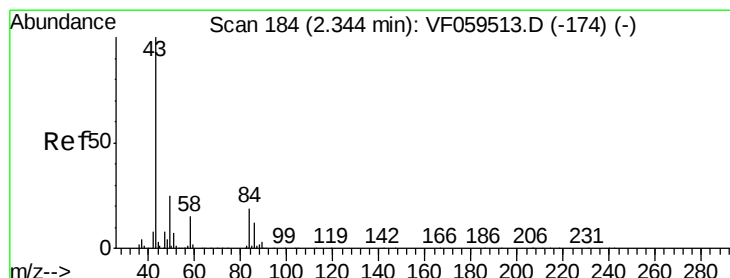
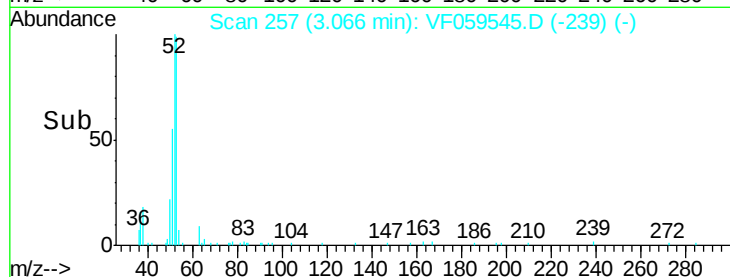
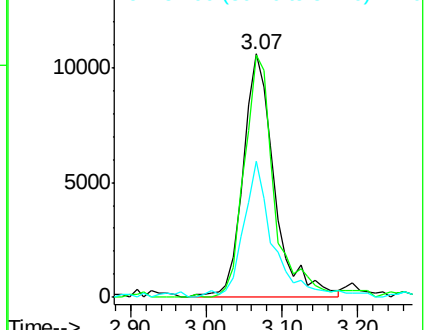
Ion	Ratio	Lower	Upper
53	100		
52	99.8	70.1	105.1
51	56.1	42.5	63.7



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: 113.029 ug/l

RT: 2.34 min Scan# 183

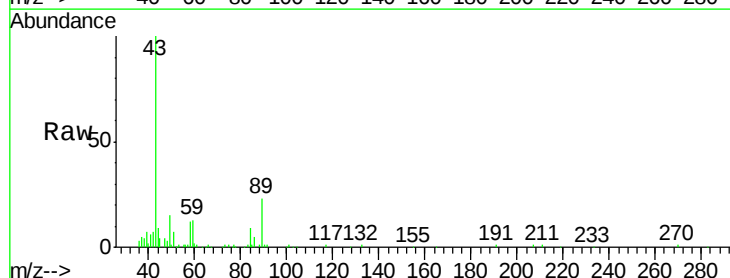
Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

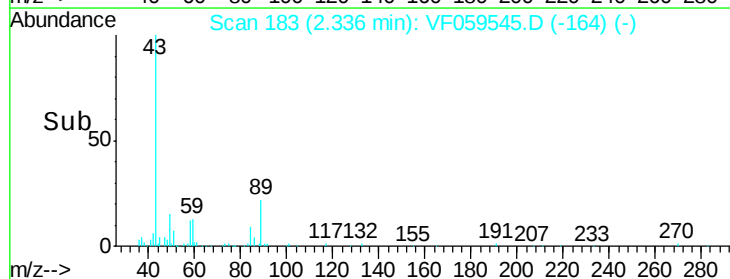
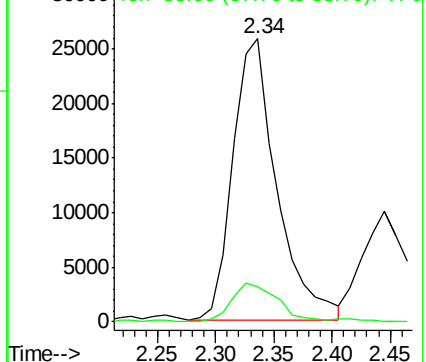
Tgt Ion: 43 Resp: 67175

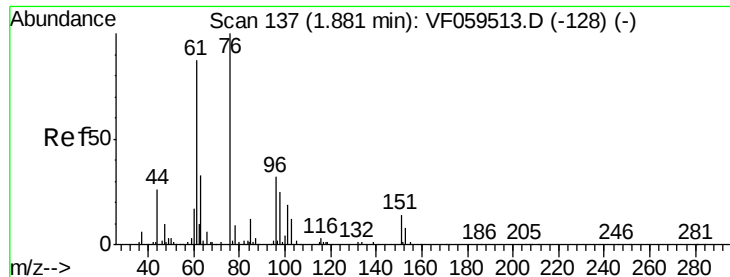
Ion	Ratio	Lower	Upper
43	100		
58	12.2	11.8	17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 21.600 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

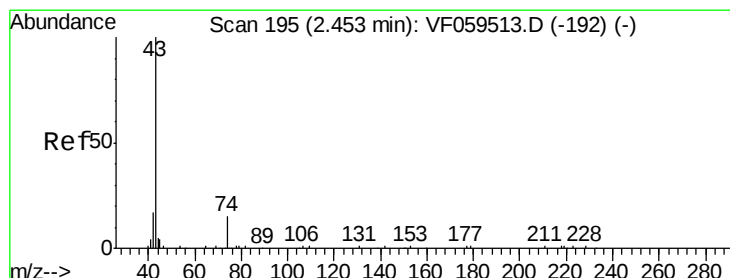
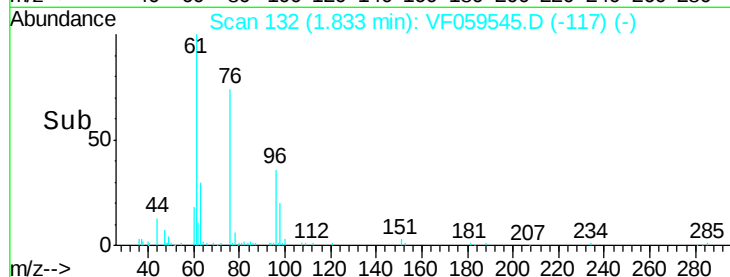
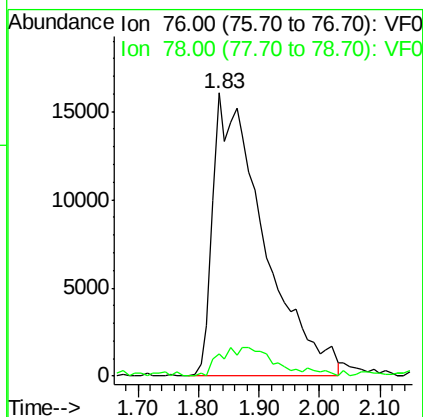
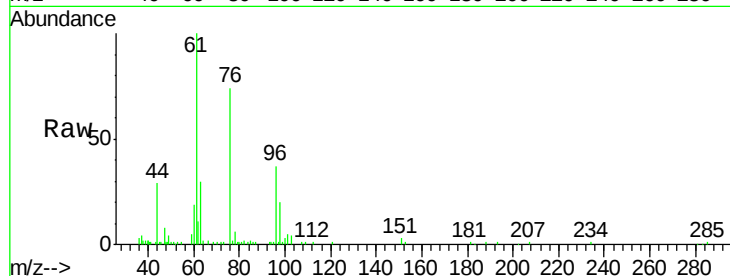
VF0719SBS01

Tot Ion: 76 Resp: 93401

Ion Ratio Lower Upper

76 100

78 8.0 7.8 11.6



#18

Methyl Acetate

Concen: 34.882 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.08 min

Lab File: VF059545.D

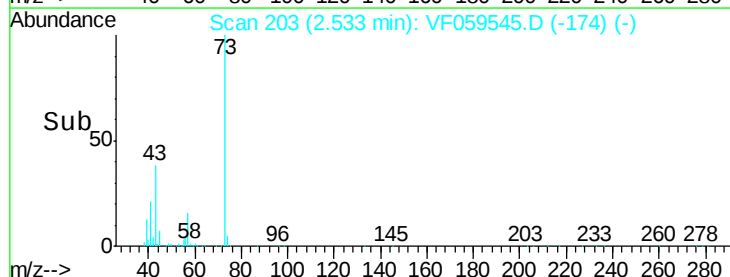
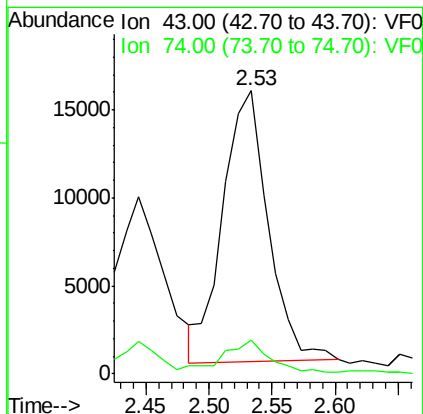
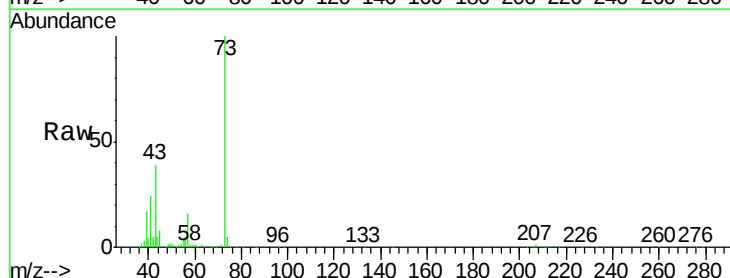
Acq: 19 Jul 2018 7:46

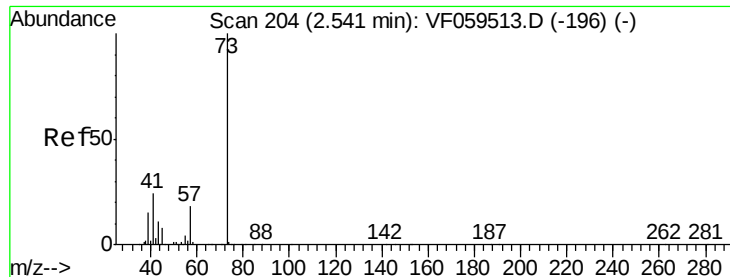
Tgt Ion: 43 Resp: 38378

Ion Ratio Lower Upper

43 100

74 11.9 10.6 15.8



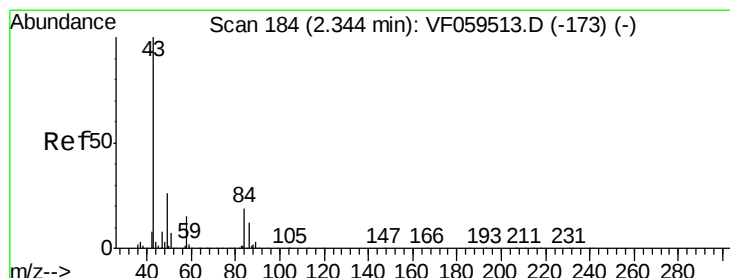
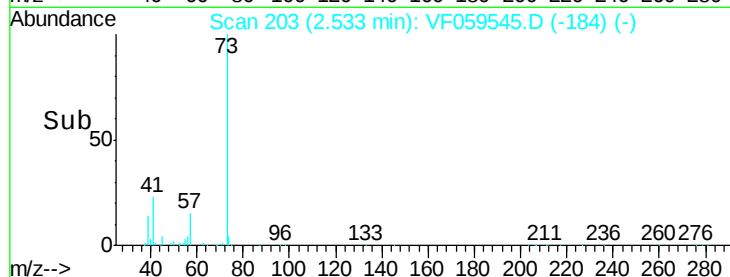
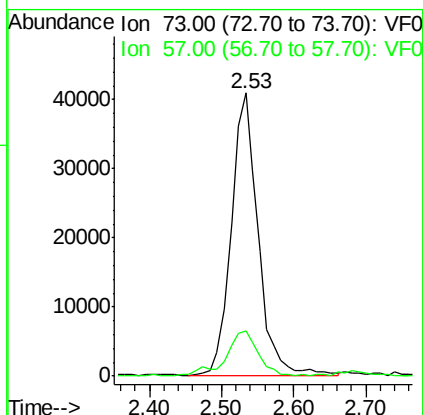
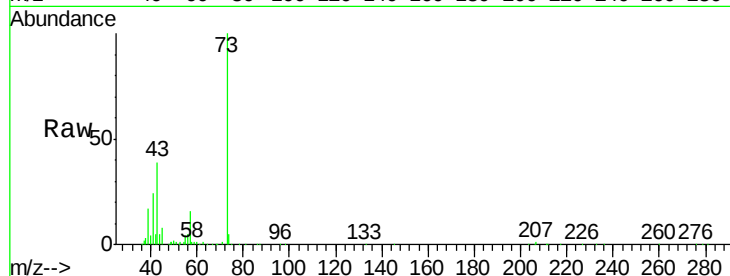


#19

Methyl tert-butyl Ether
 Concen: 20.003 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

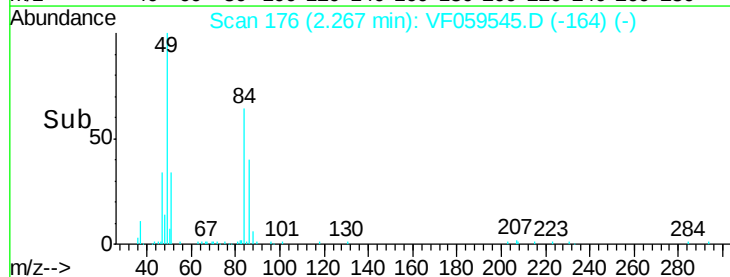
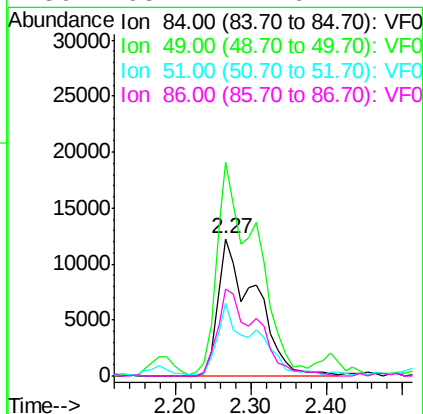
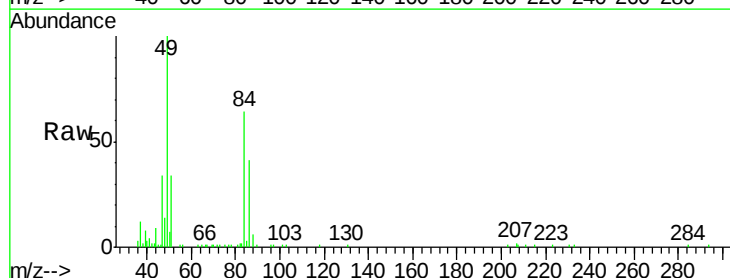
Tot Ion: 73 Resp: 105883
 Ion Ratio Lower Upper
 73 100
 57 16.1 14.3 21.5

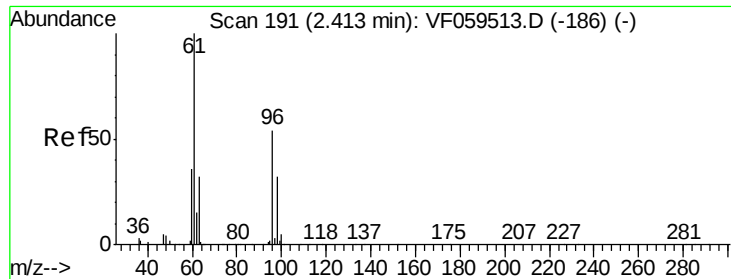


#20

Methylene Chloride
 Concen: 24.392 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.08 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion: 84 Resp: 42344
 Ion Ratio Lower Upper
 84 100
 49 155.7 109.4 164.2
 51 53.6 30.5 45.7#
 86 63.7 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 22.844 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

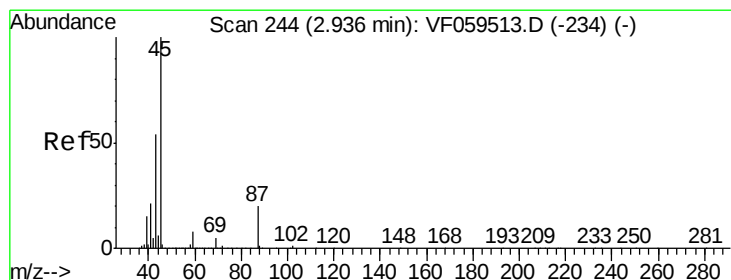
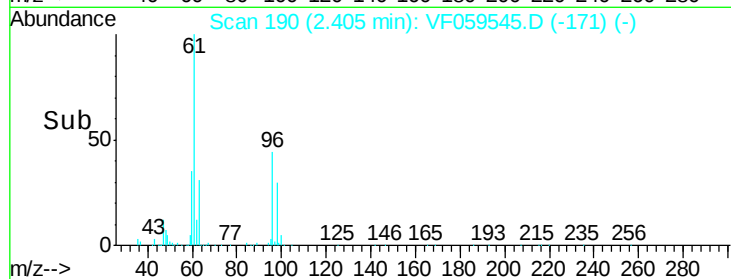
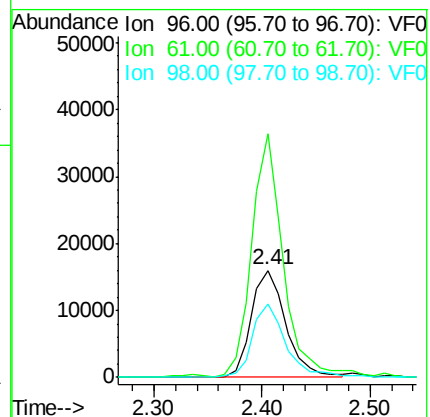
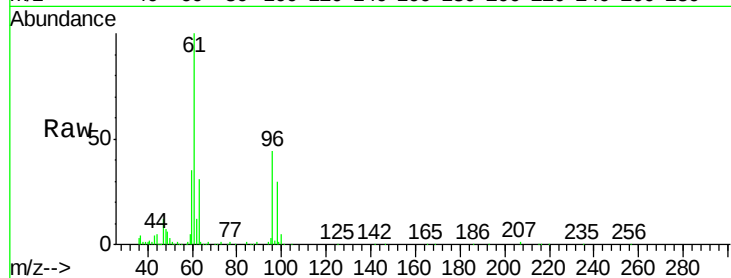
Tot Ion: 96 Resp: 35640

Ion Ratio Lower Upper

96 100

61 227.5 149.8 224.8#

98 68.8 47.8 71.8



#22

Diisopropyl ether

Concen: 21.416 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion: 45 Resp: 126748

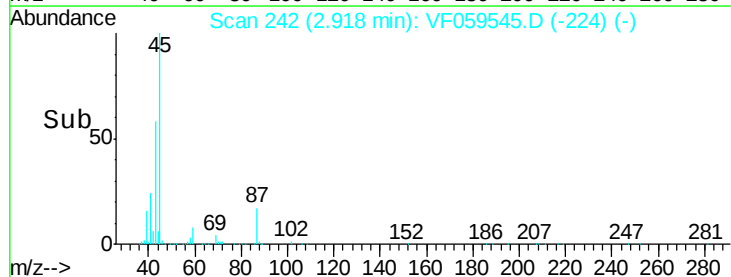
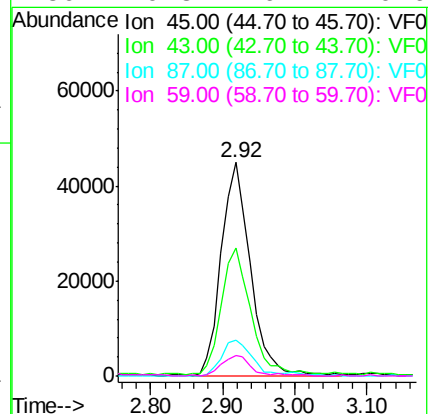
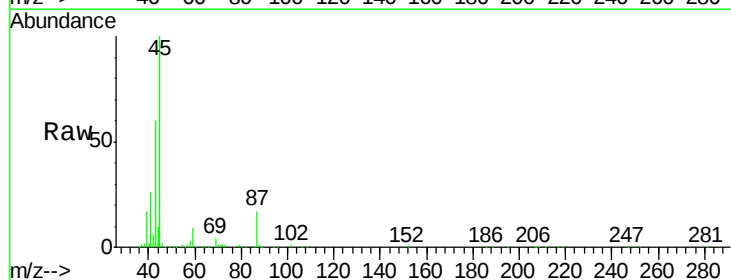
Ion Ratio Lower Upper

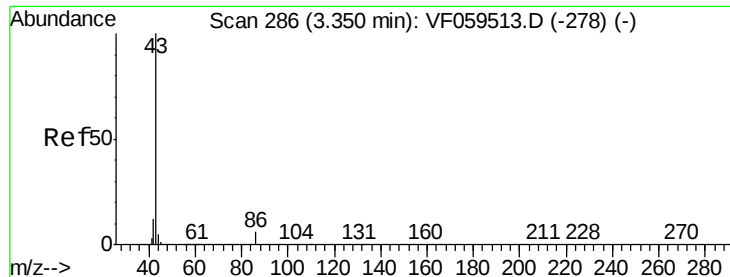
45 100

43 59.7 43.6 65.4

87 16.5 15.6 23.4

59 9.3 6.4 9.6





#23

Vinyl Acetate

Concen: 100.179 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampled :

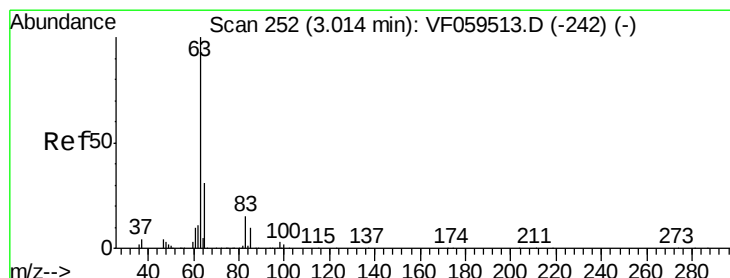
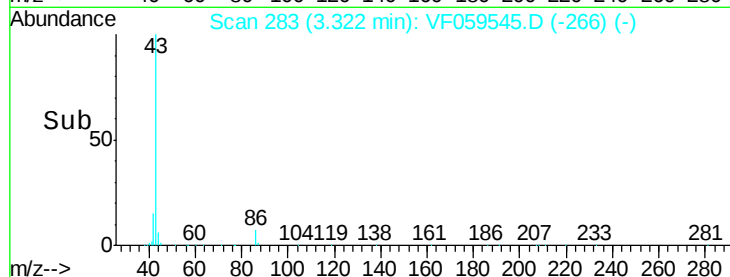
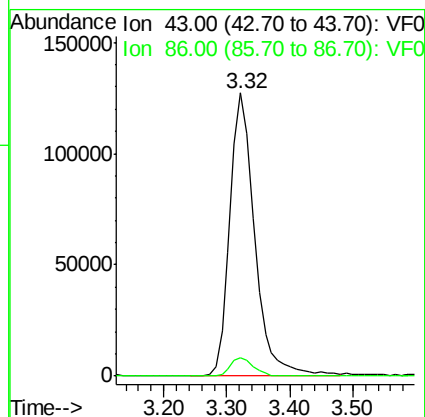
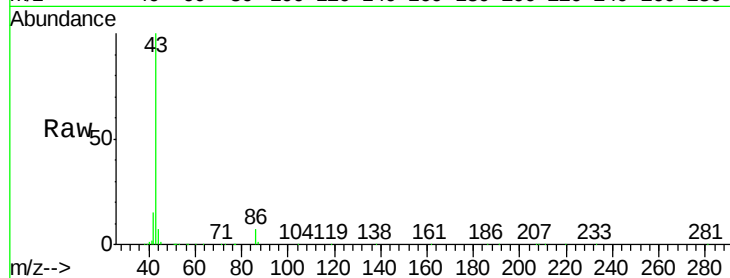
VF0719SBS01

Tot Ion: 43 Resp: 346462

Ion Ratio Lower Upper

43 100

86 6.6 4.4 6.6



#24

1,1-Dichloroethane

Concen: 25.070 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

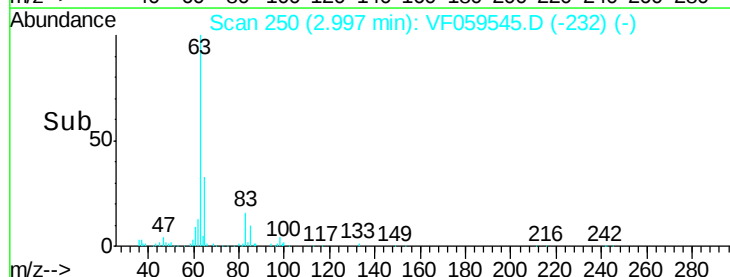
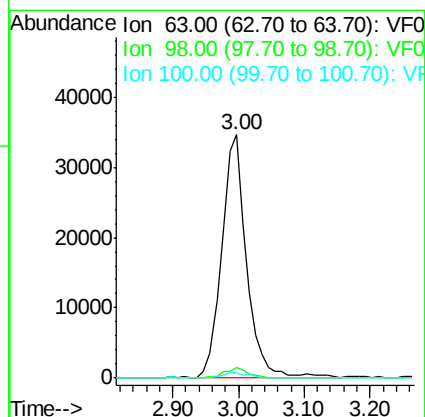
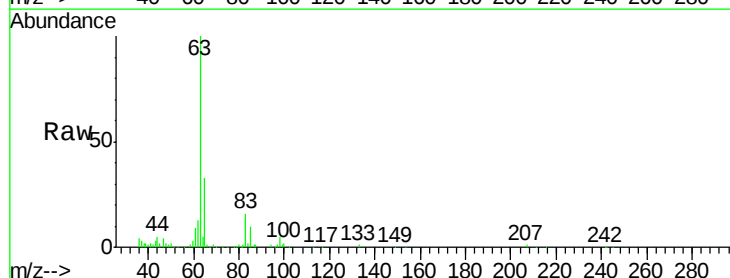
Tgt Ion: 63 Resp: 91627

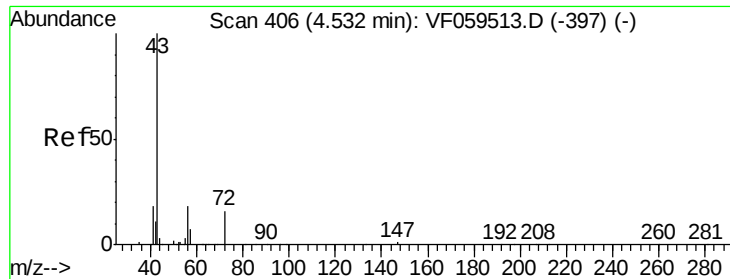
Ion Ratio Lower Upper

63 100

98 4.6 1.8 5.4

100 2.2 1.3 3.8





#25

2-Butanone

Concen: 94.376 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

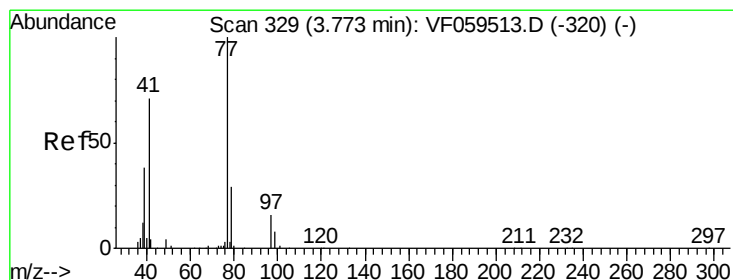
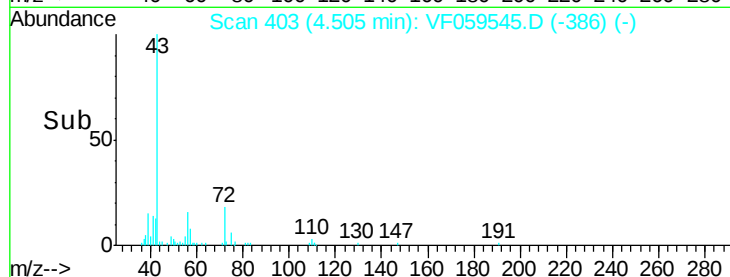
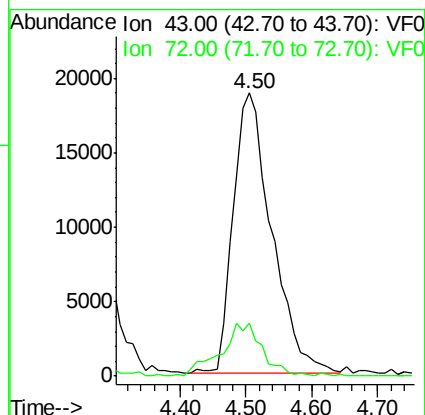
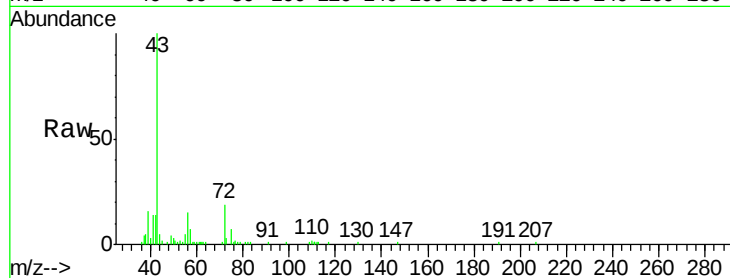
VF0719SBS01

Tot Ion: 43 Resp: 76911

Ion Ratio Lower Upper

43 100

72 18.7 14.2 21.4



#26

2,2-Dichloropropane

Concen: 24.570 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059545.D

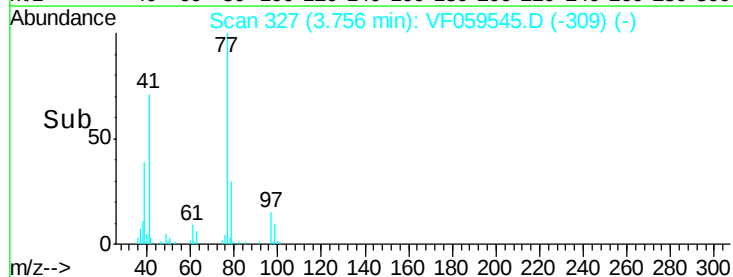
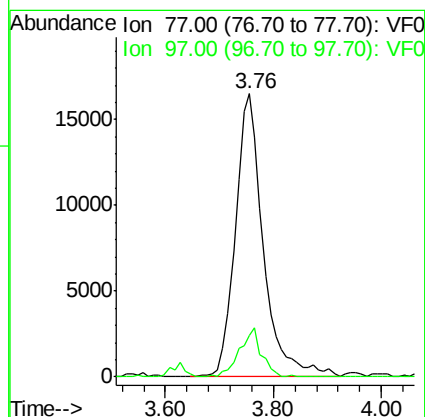
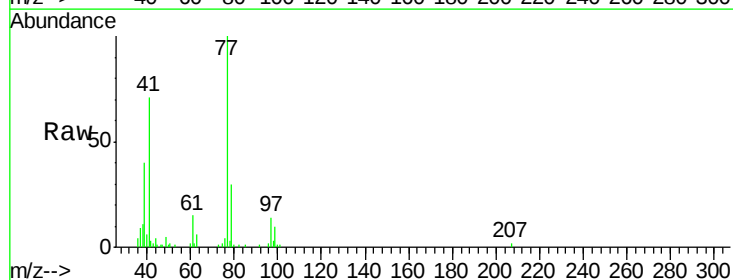
Acq: 19 Jul 2018 7:46

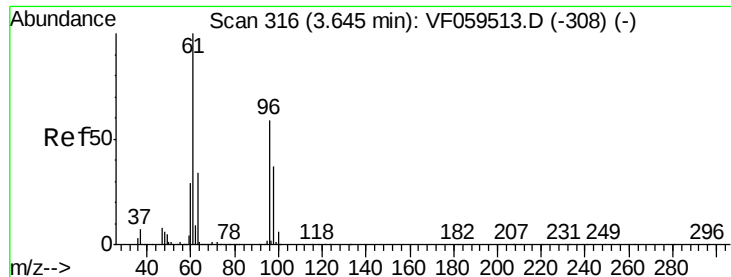
Tgt Ion: 77 Resp: 59412

Ion Ratio Lower Upper

77 100

97 14.4 8.1 24.3





#27

cis-1,2-Dichloroethene

Concen: 25.198 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

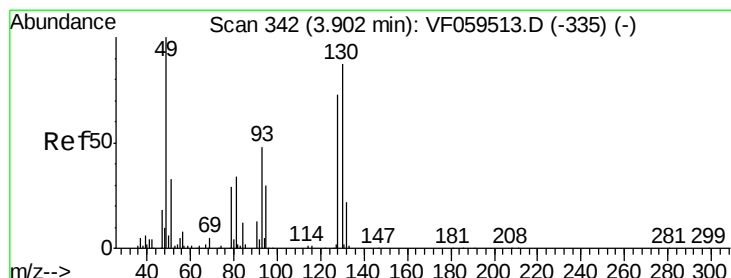
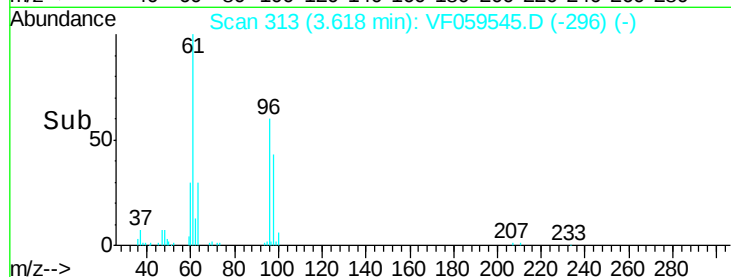
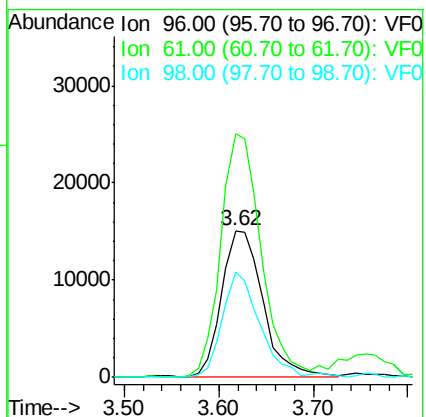
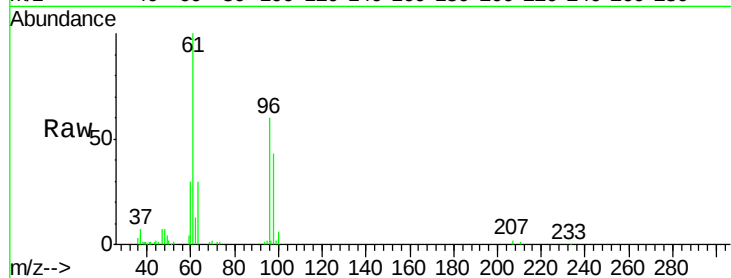
Tot Ion: 96 Resp: 45753

Ion Ratio Lower Upper

96 100

61 166.1 0.0 339.0

98 71.8 0.0 125.4



#28

Bromochloromethane

Concen: 21.736 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

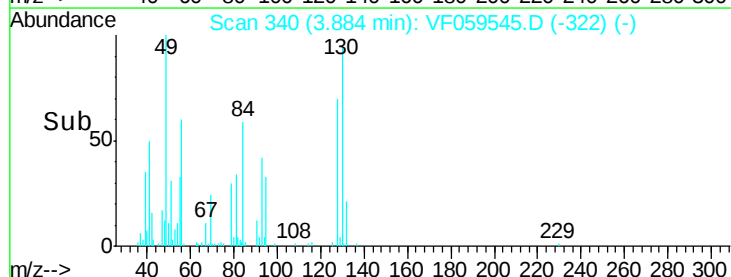
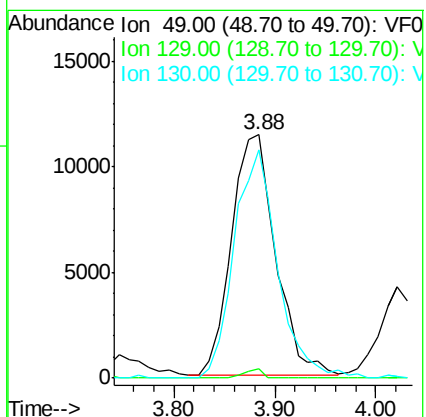
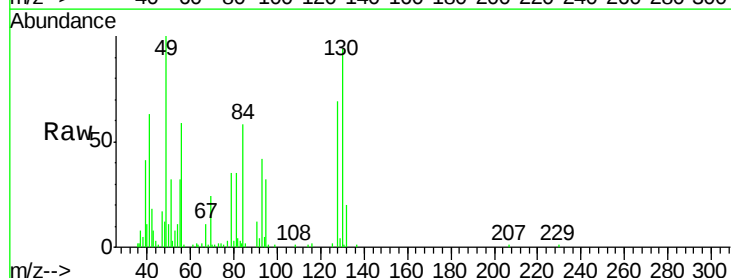
Tgt Ion: 49 Resp: 34968

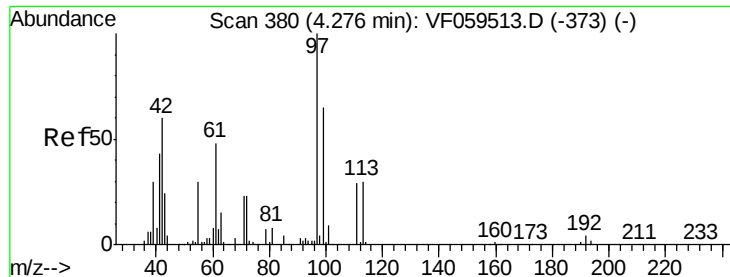
Ion Ratio Lower Upper

49 100

129 3.6 0.0 0.0#

130 94.9 69.8 104.6

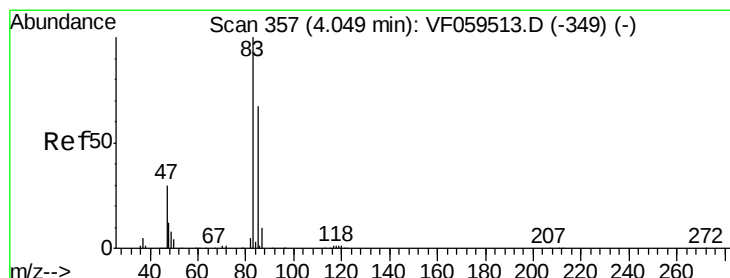
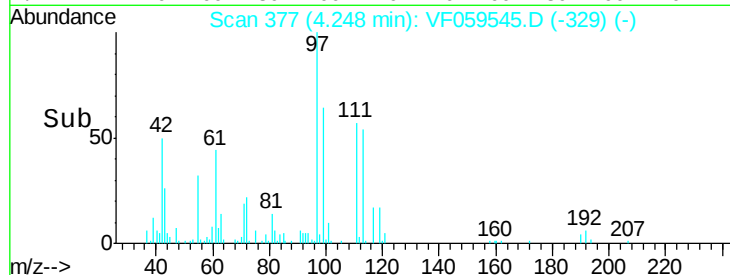
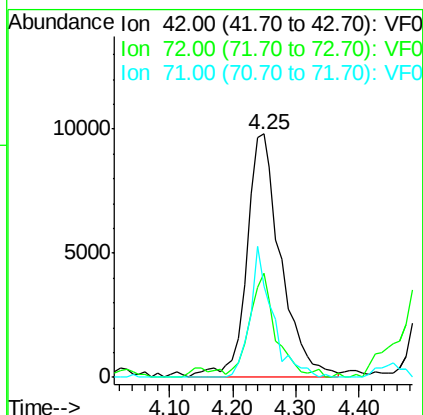
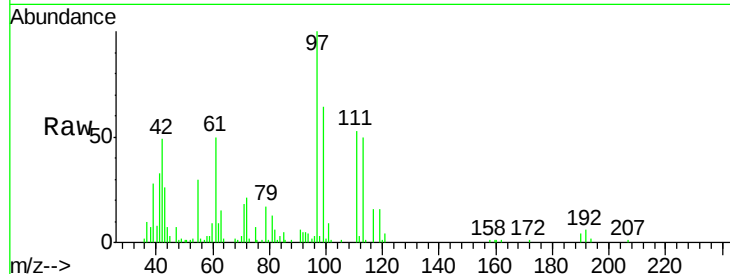




#29
Tetrahydrofuran
Concen: 98.276 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

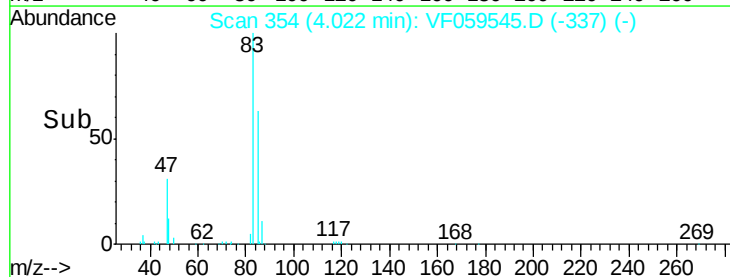
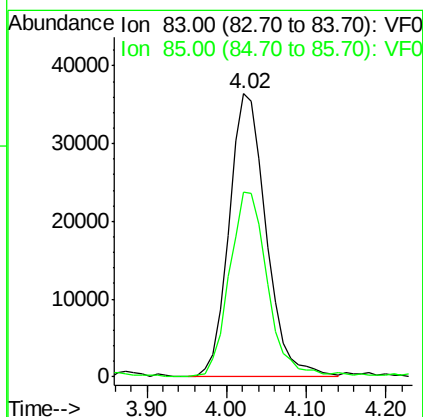
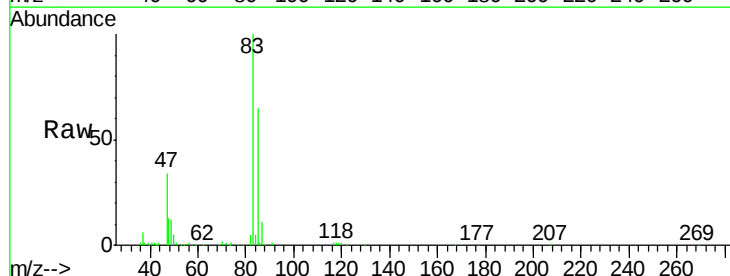
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

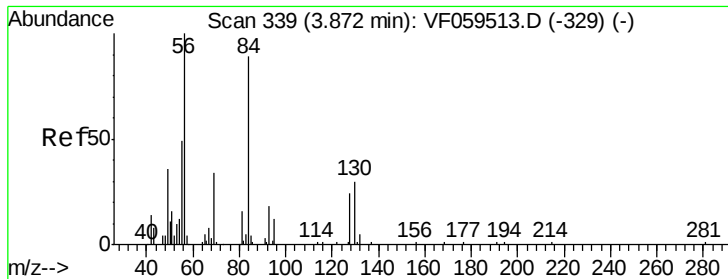
Tot Ion	42	Resp	36898
Ion Ratio	Lower	Upper	
42	100		
72	30.1	28.7	43.1
71	35.3	30.8	46.2



#30
Chloroform
Concen: 22.336 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion	83	Resp	117933
Ion Ratio	Lower	Upper	
83	100		
85	65.1	53.2	79.8





#31

Cyclohexane

Concen: 26.249 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

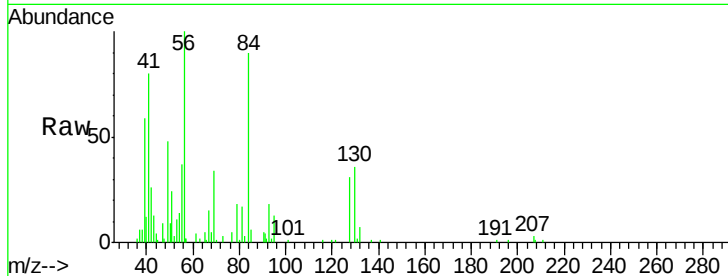
Tot Ion: 56 Resp: 49694

Ion Ratio Lower Upper

56 100

69 34.2 27.6 41.4

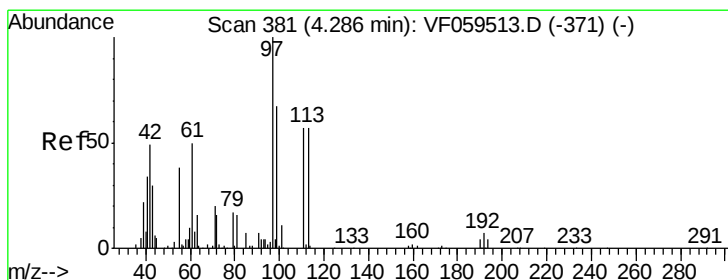
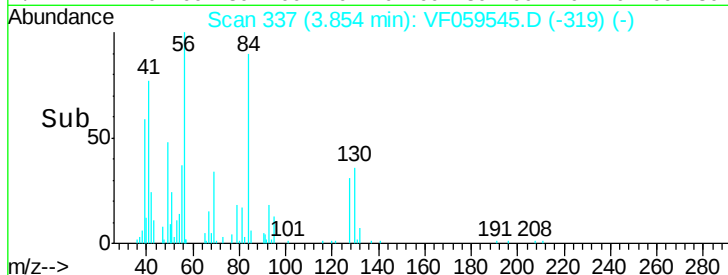
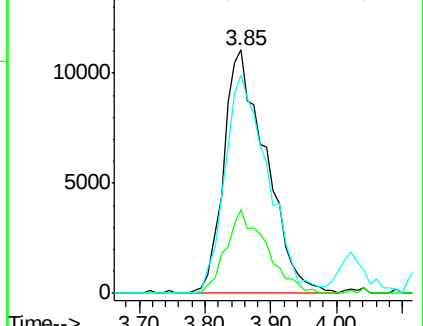
84 89.7 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 28.232 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

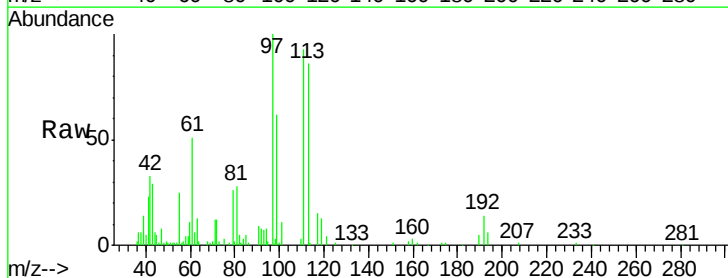
Tgt Ion: 97 Resp: 96870

Ion Ratio Lower Upper

97 100

99 61.6 53.5 80.3

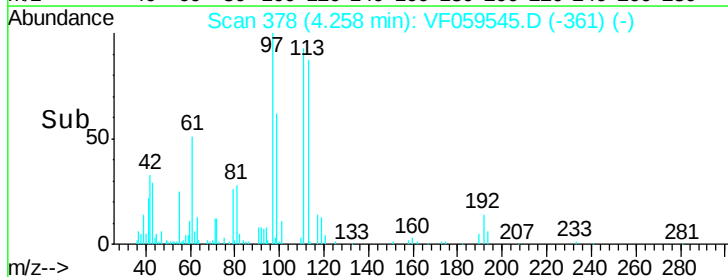
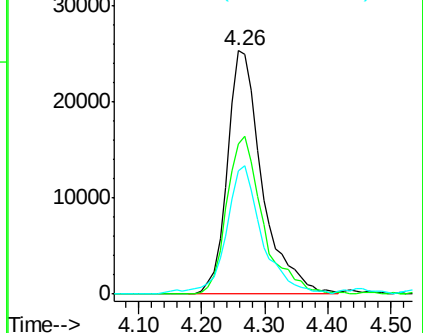
61 50.6 39.7 59.5

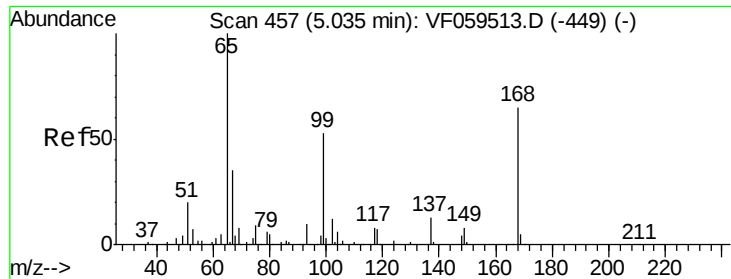


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 54.608 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

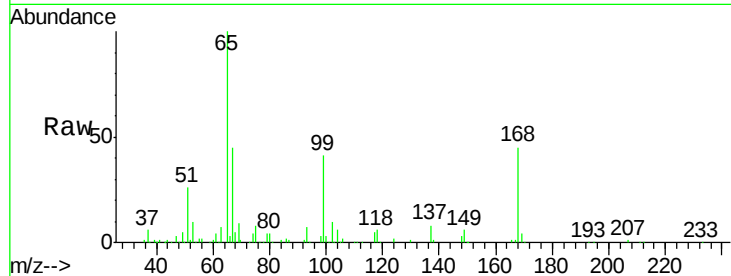
VF0719SBS01

Tot Ion: 65 Resp: 191682

Ion Ratio Lower Upper

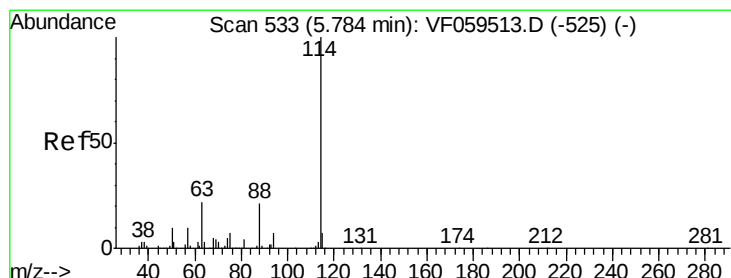
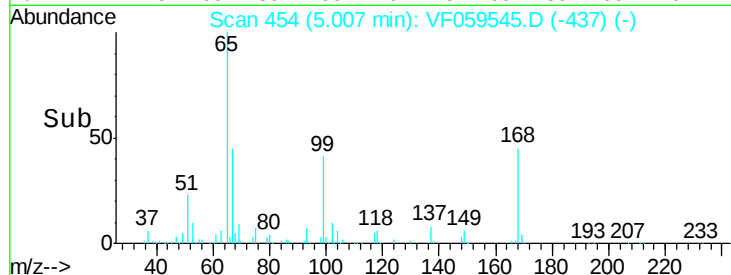
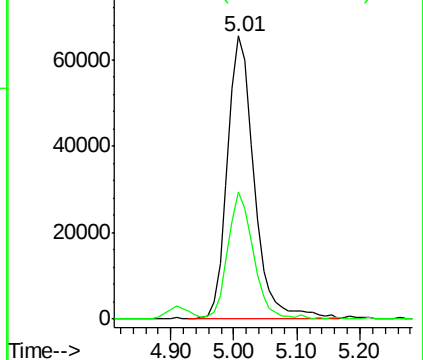
65 100

67 44.9 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

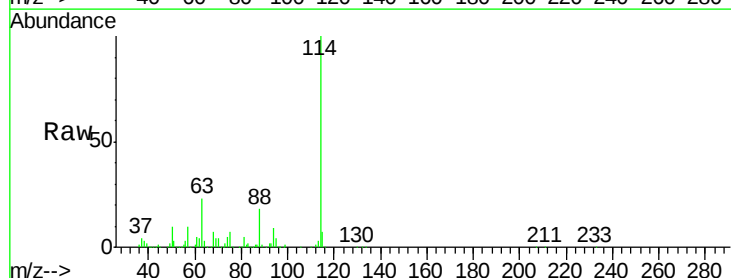
Tgt Ion: 114 Resp: 340559

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.8

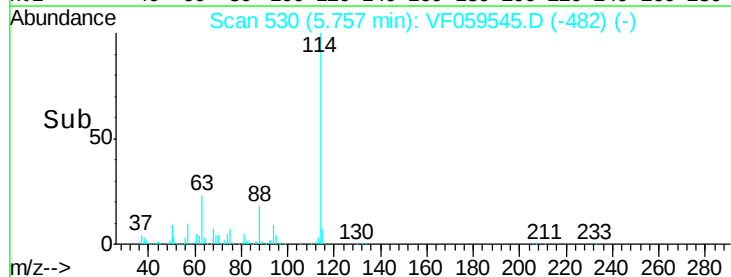
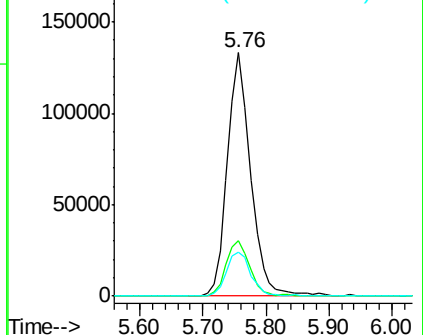
88 18.1 0.0 42.6

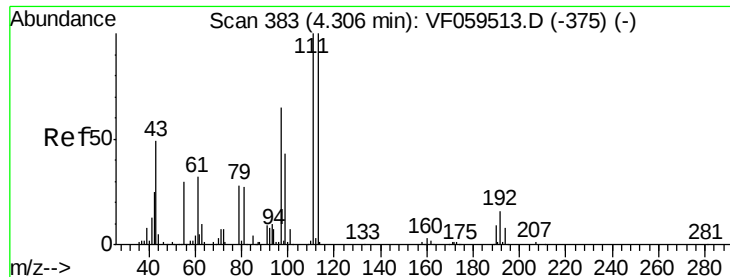


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.808 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

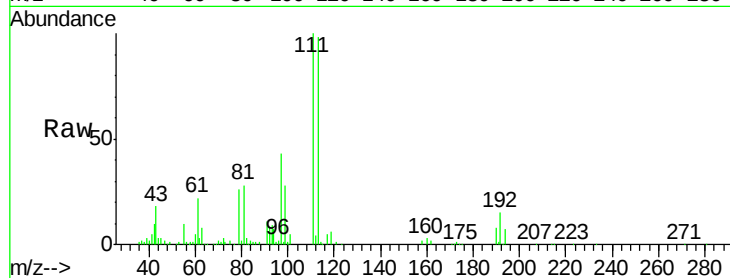
Tot Ion:113 Resp: 149857

Ion Ratio Lower Upper

113 100

111 102.1 80.3 120.5

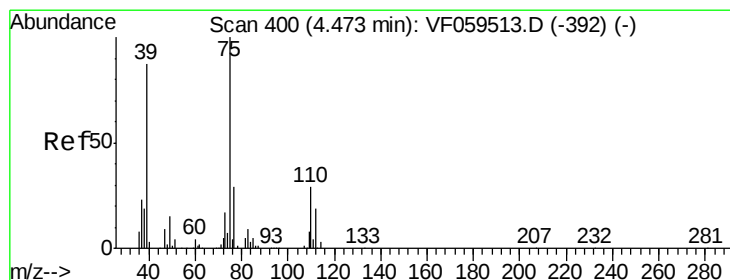
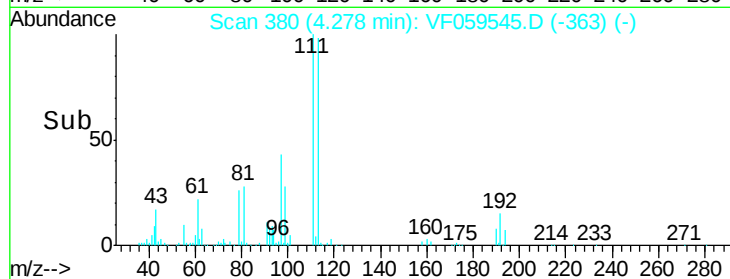
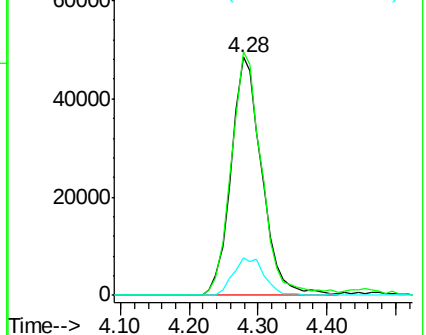
192 15.5 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.988 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

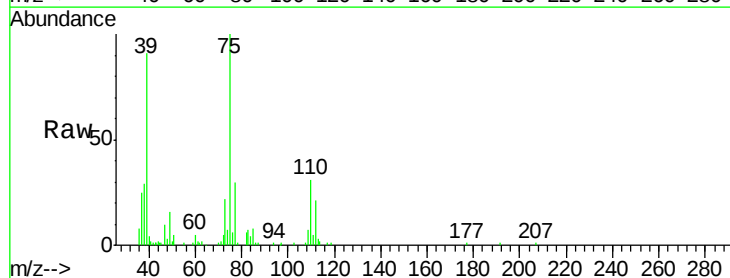
Tgt Ion: 75 Resp: 74952

Ion Ratio Lower Upper

75 100

110 31.3 14.6 43.8

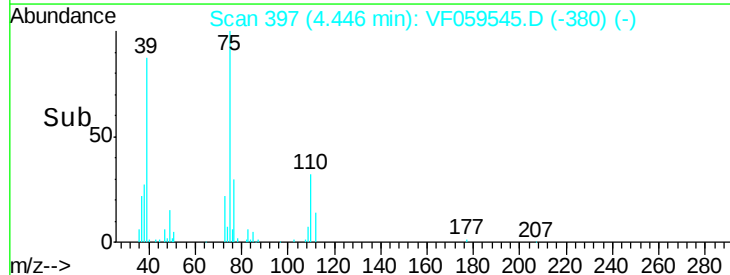
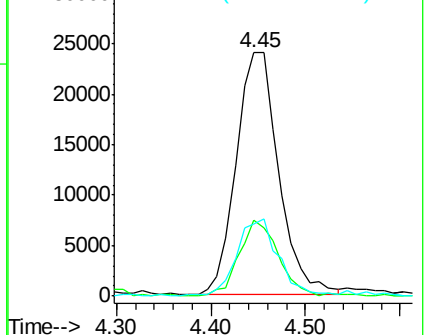
77 29.5 23.7 35.5

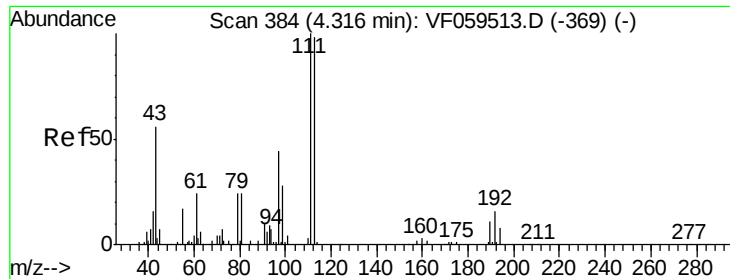


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.458 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.05 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

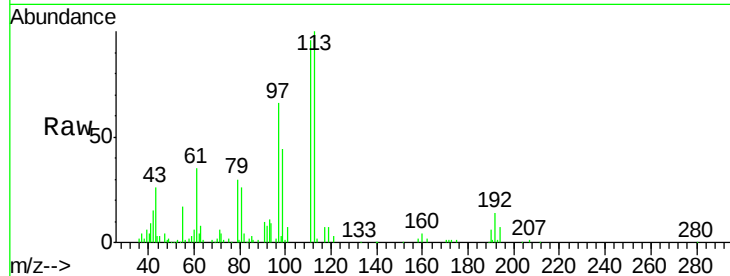
Tot Ion: 43 Resp: 42162

Ion Ratio Lower Upper

43 100

61 138.8 33.7 50.5#

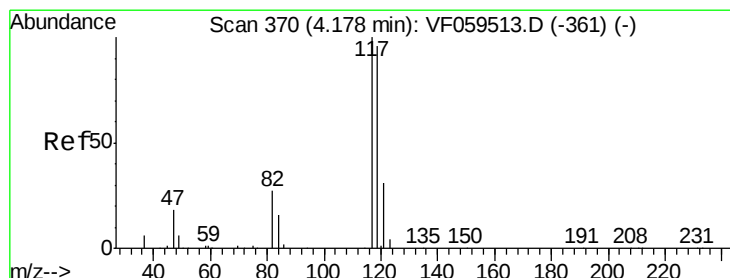
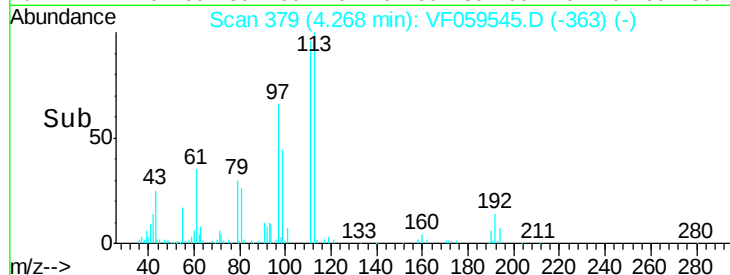
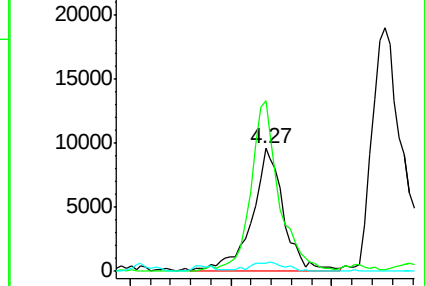
70 6.2 7.4 11.0#



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: 29.549 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

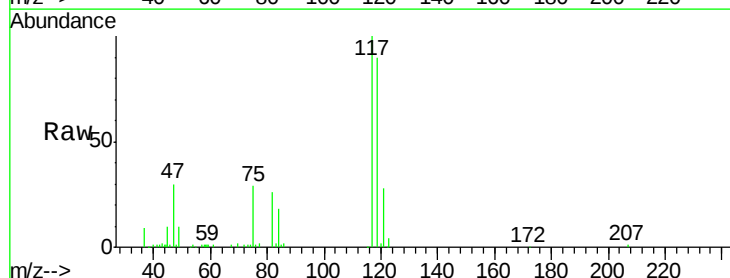
Tgt Ion: 117 Resp: 115428

Ion Ratio Lower Upper

117 100

119 89.6 77.6 116.4

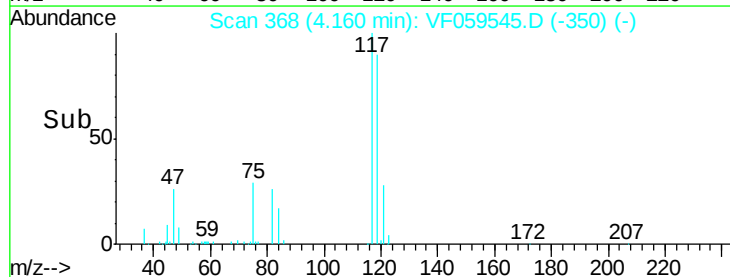
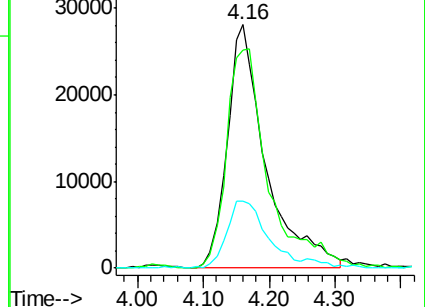
121 27.6 24.9 37.3

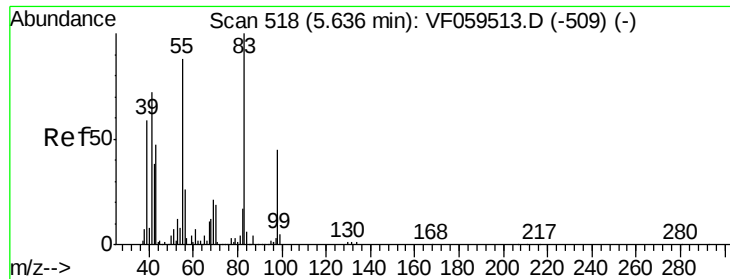


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

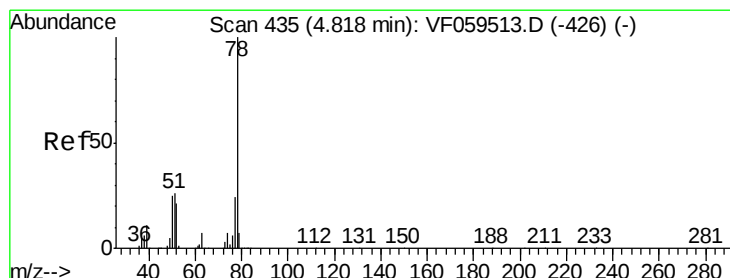
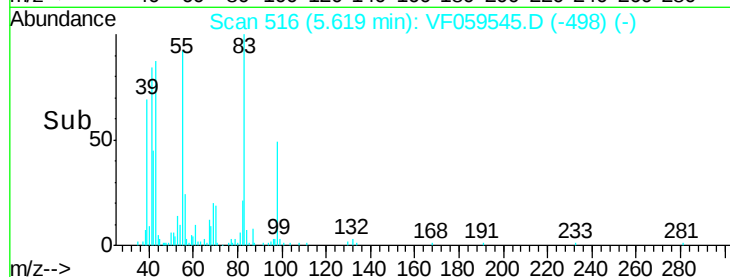
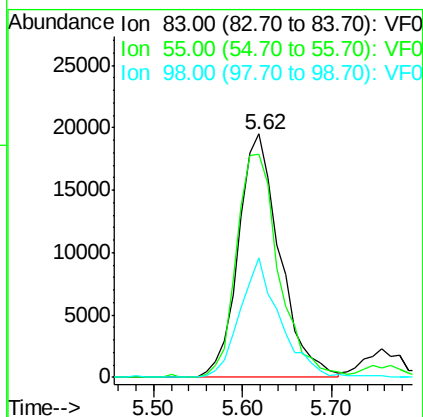
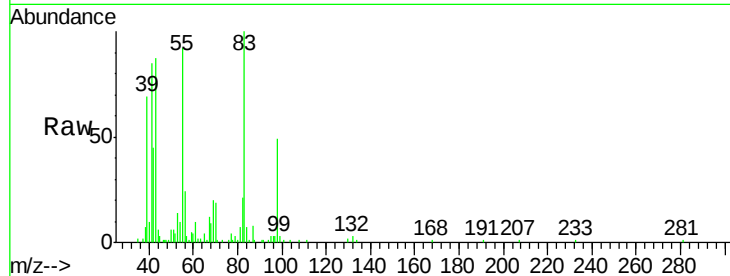




#39
Methvlcvclohexane
Concen: 24.278 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

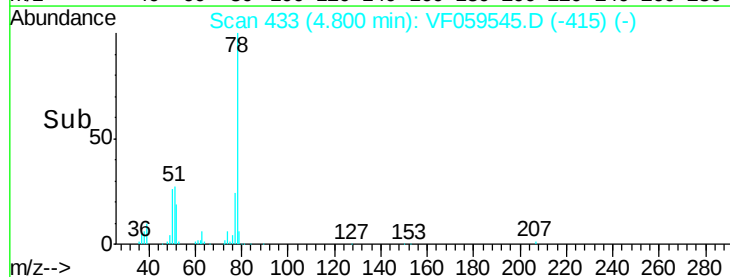
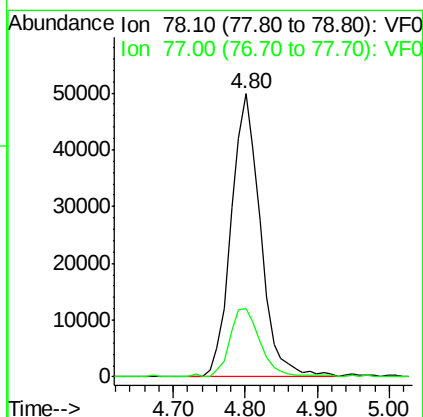
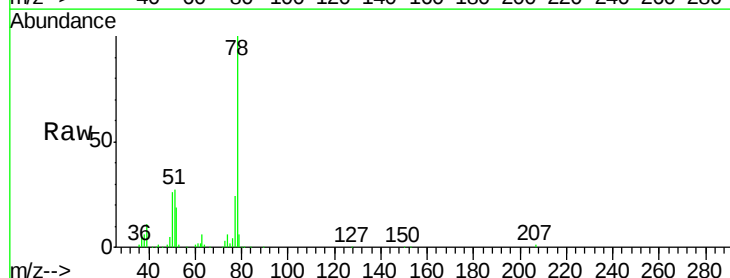
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

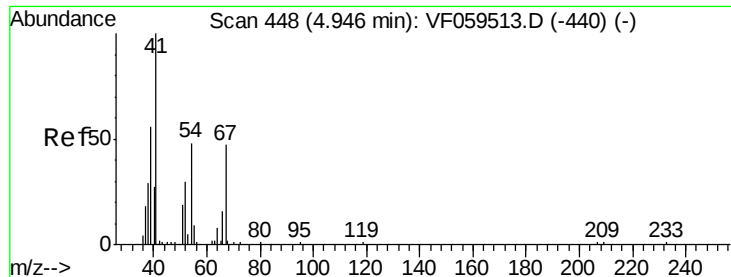
Tot Ion: 83 Resp: 62806
Ion Ratio Lower Upper
83 100
55 91.6 70.2 105.4
98 49.2 36.2 54.2



#40
Benzene
Concen: 21.366 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion: 78 Resp: 141296
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#41

Methacrylonitrile

Concen: 17.064 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.04 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 41 Resp: 16681

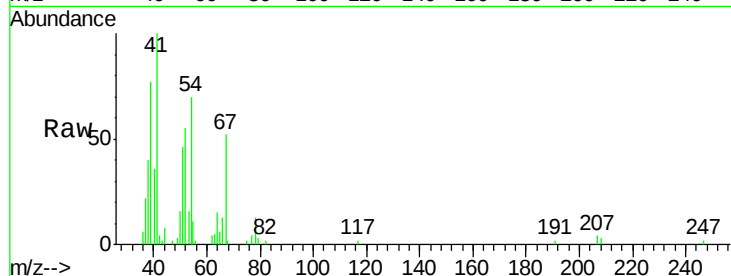
Ion Ratio Lower Upper

41 100

39 77.1 49.4 74.0#

67 52.1 37.4 56.2

52 55.3 32.1 48.1#

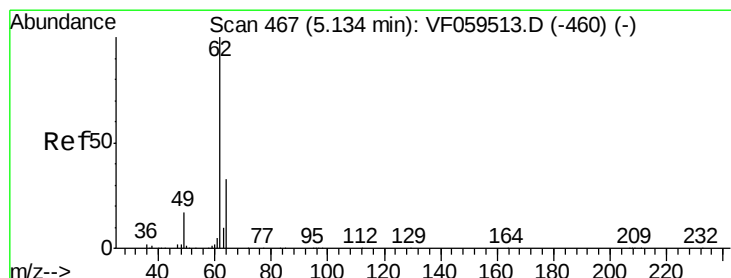
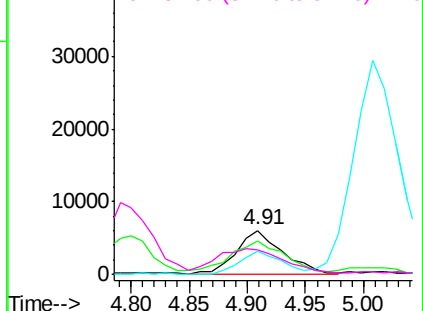
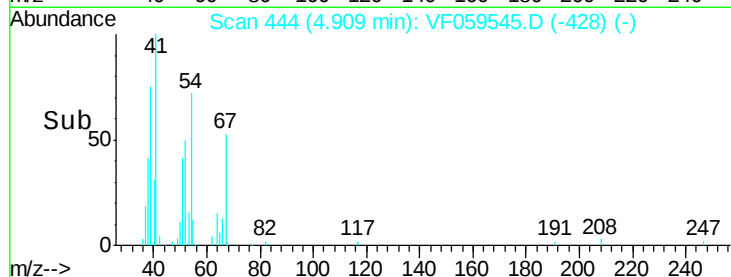


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.118 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.03 min

Lab File: VF059545.D

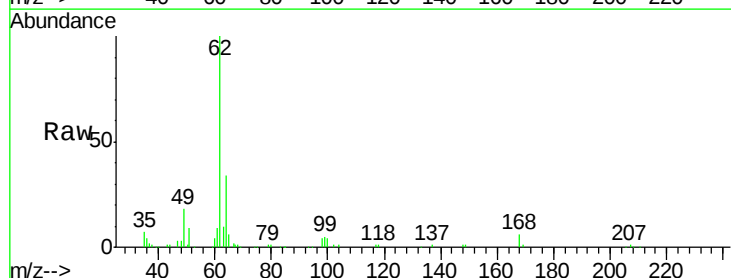
Acq: 19 Jul 2018 7:46

Tgt Ion: 62 Resp: 96076

Ion Ratio Lower Upper

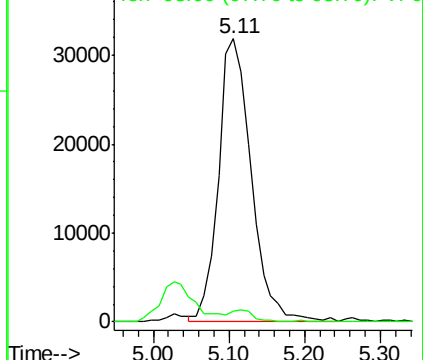
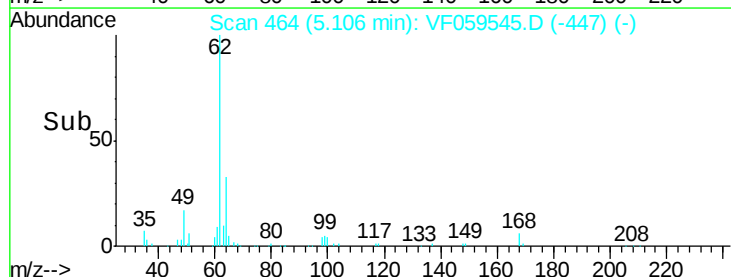
62 100

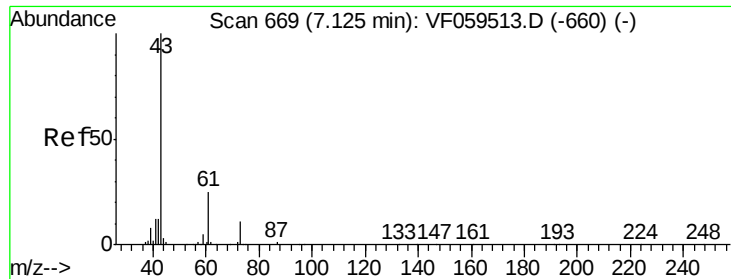
98 3.8 0.0 9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



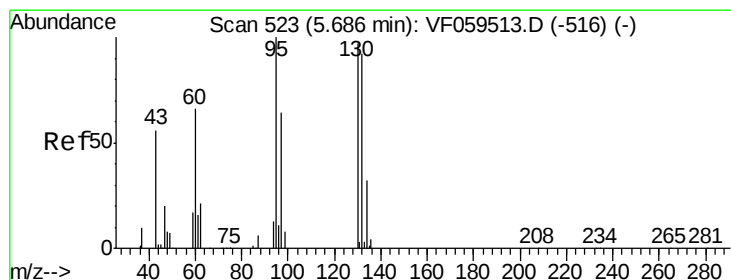
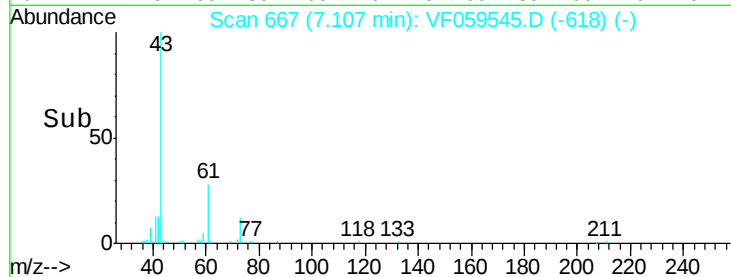
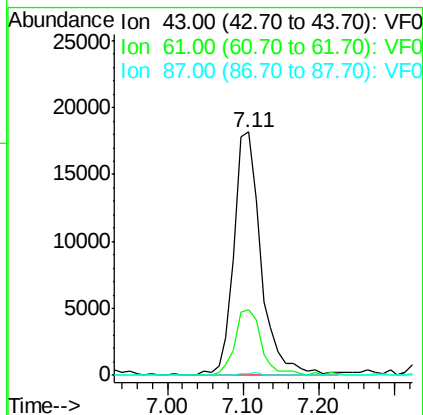
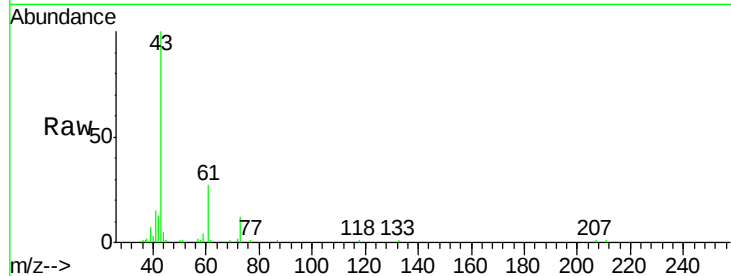


#43

Isopropyl Acetate
 Concen: 18.359 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

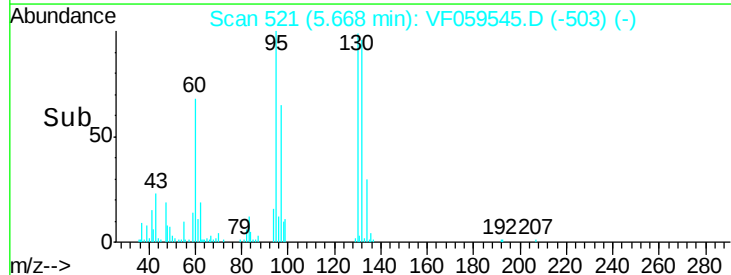
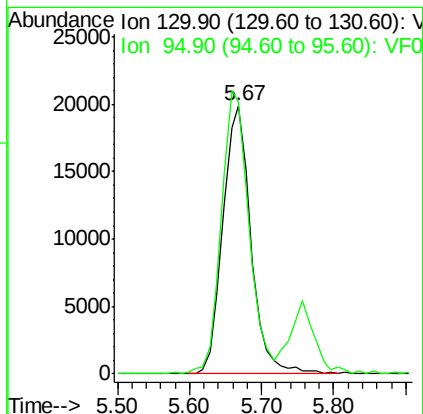
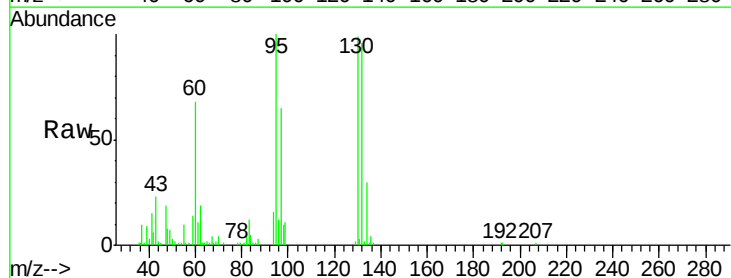
Tot Ion: 43 Resp: 44969
 Ion Ratio Lower Upper
 43 100
 61 27.0 20.3 30.5
 87 0.9 0.4 0.6#

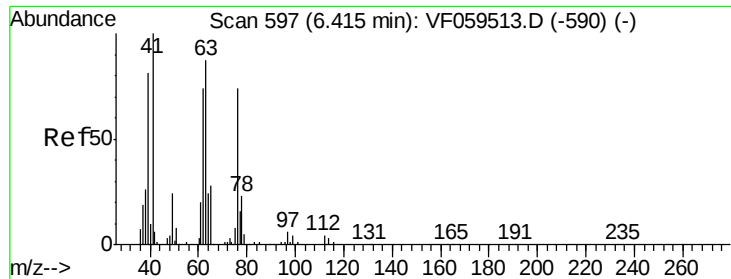


#44

Trichloroethene
 Concen: 21.870 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion: 130 Resp: 53534
 Ion Ratio Lower Upper
 130 100
 95 101.5 0.0 206.6





#45

1,2-Dichloropropane

Concen: 21.877 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

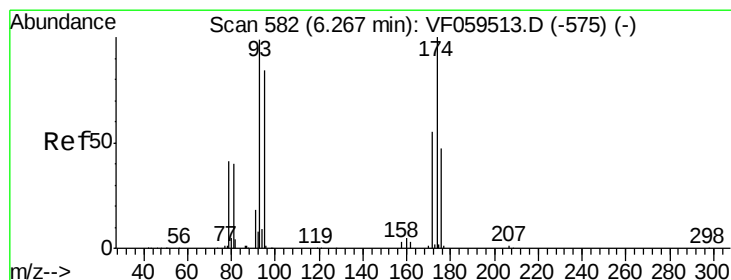
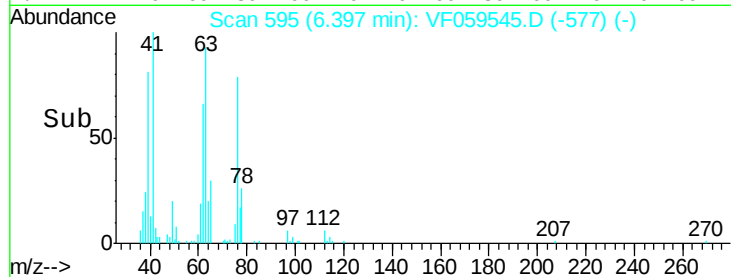
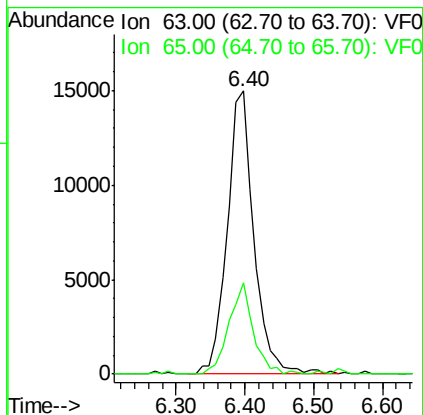
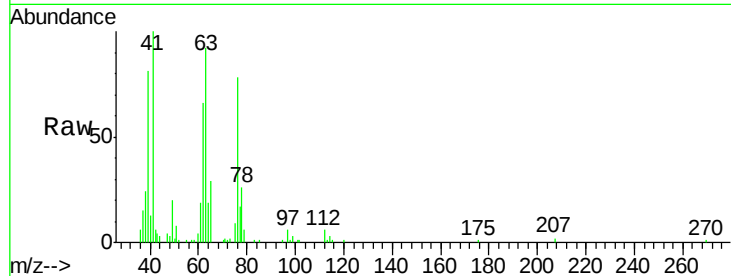
VF0719SBS01

Tot Ion: 63 Resp: 40155

Ion Ratio Lower Upper

63 100

65 32.1 26.1 39.1



#46

Dibromomethane

Concen: 22.324 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

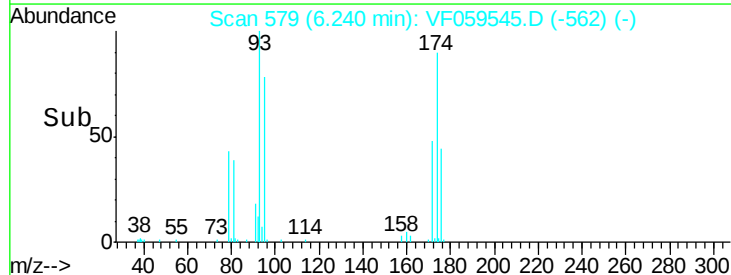
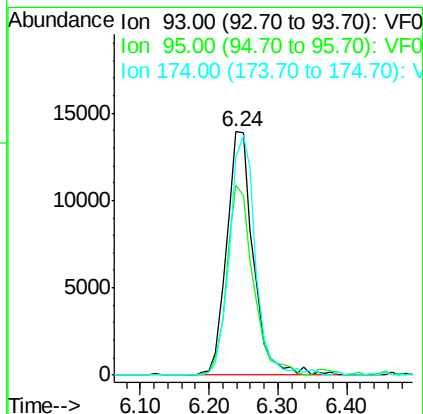
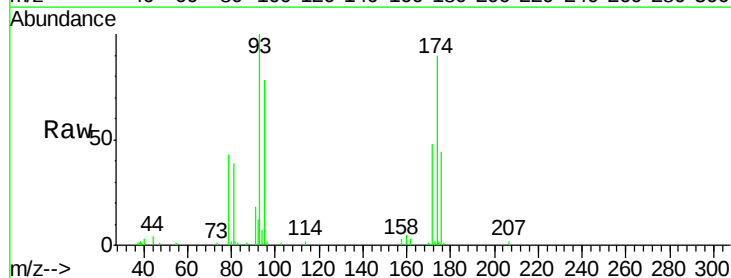
Tgt Ion: 93 Resp: 37317

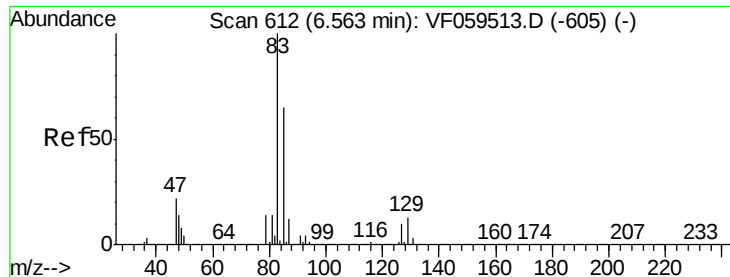
Ion Ratio Lower Upper

93 100

95 77.7 68.3 102.5

174 89.5 81.2 121.8

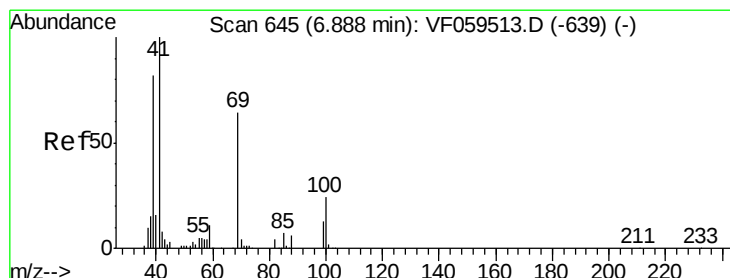
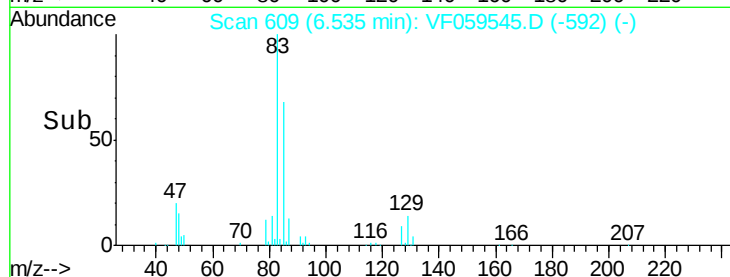
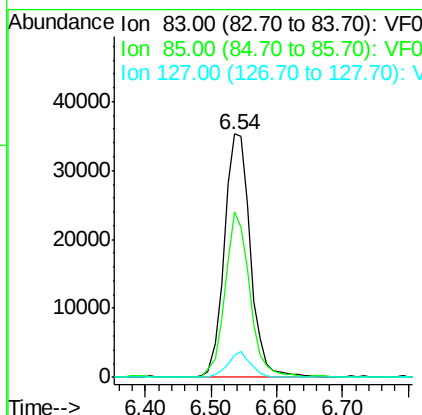
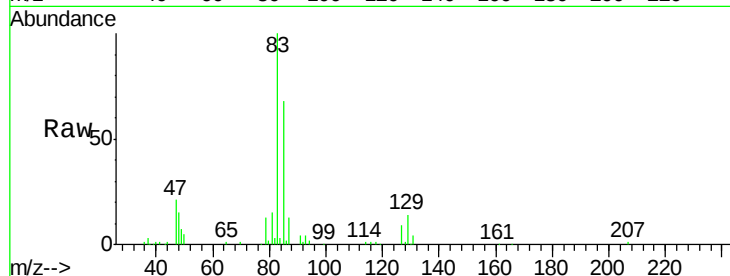




#47
Bromodichloromethane
Concen: 22.843 ug/l
RT: 6.54 min Scan# 609
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

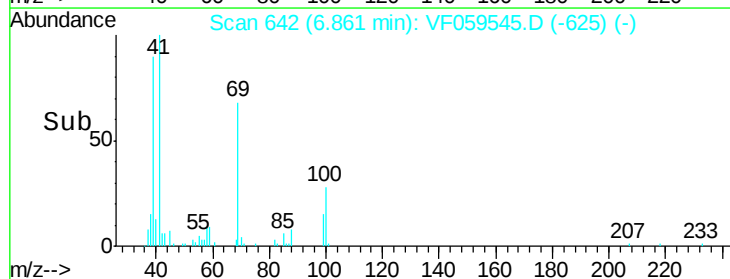
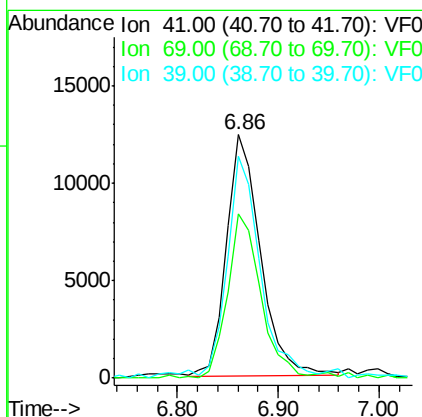
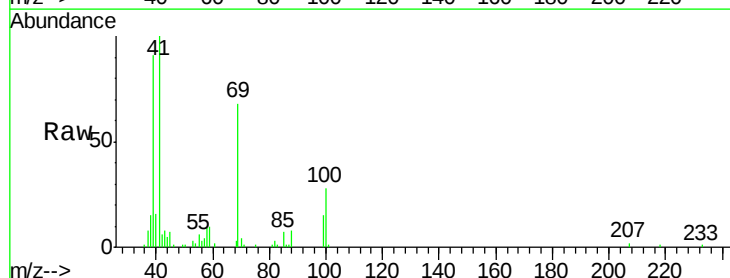
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

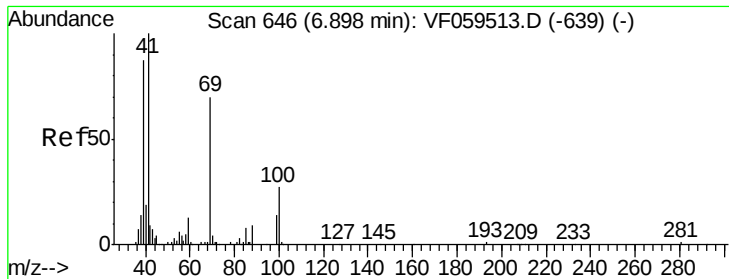
Tot Ion: 83 Resp: 98288
Ion Ratio Lower Upper
83 100
85 67.9 52.4 78.6
127 9.1 8.2 12.4



#48
Methyl methacrylate
Concen: 16.680 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion: 41 Resp: 29179
Ion Ratio Lower Upper
41 100
69 67.7 51.3 76.9
39 91.1 65.3 97.9





#49

1,4-Dioxane

Concen: 400.054 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.04 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

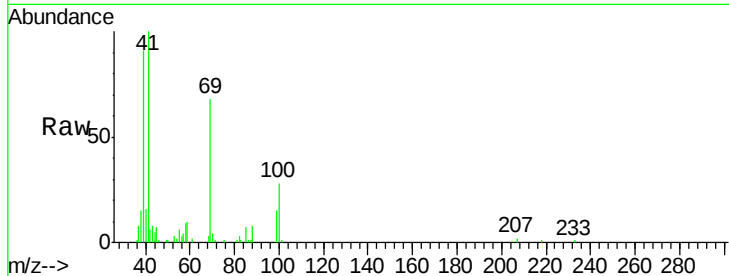
Tot Ion: 88 Resp: 3467

Ion Ratio Lower Upper

88 100

43 94.7 64.8 97.2

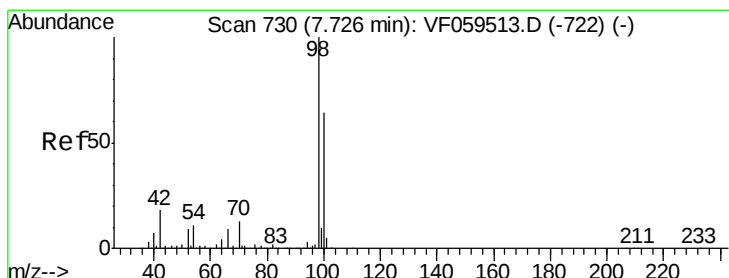
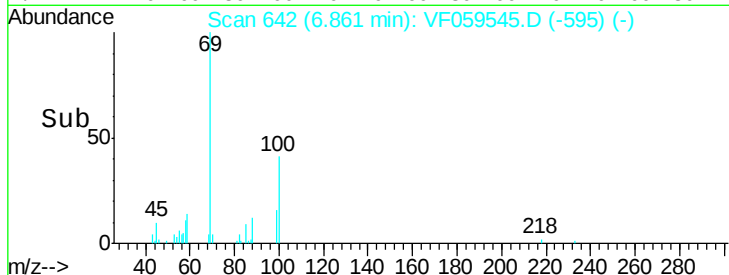
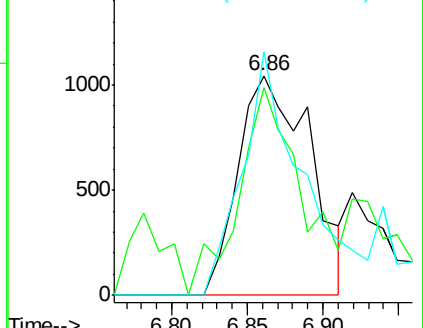
58 110.9 44.1 66.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.337 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF059545.D

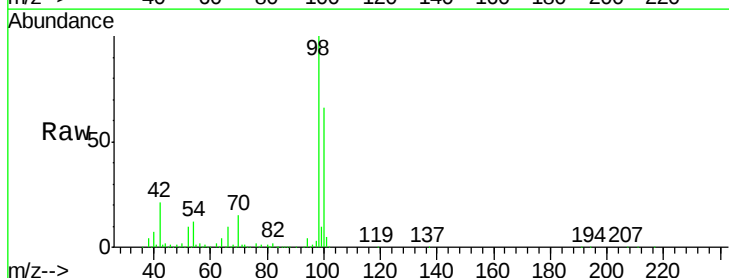
Acq: 19 Jul 2018 7:46

Tgt Ion: 98 Resp: 344269

Ion Ratio Lower Upper

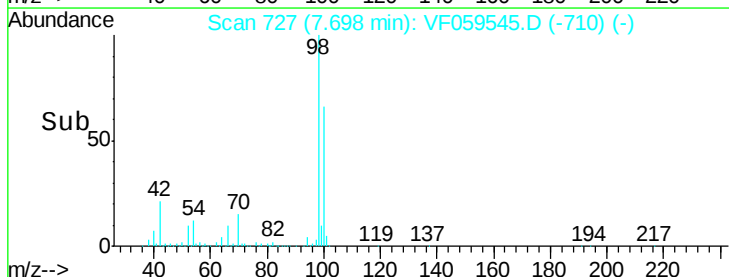
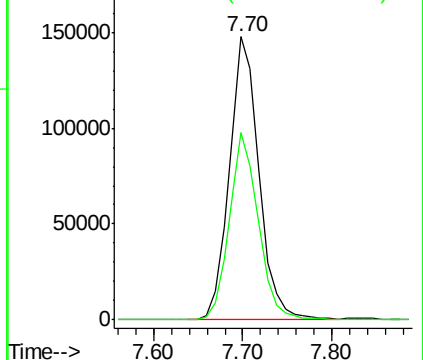
98 100

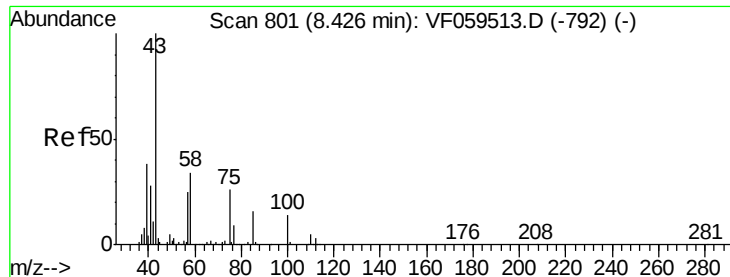
100 66.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 96.237 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

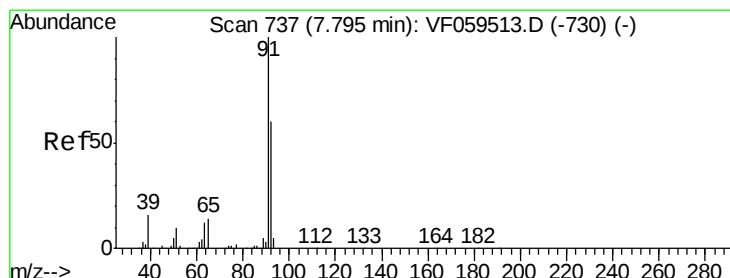
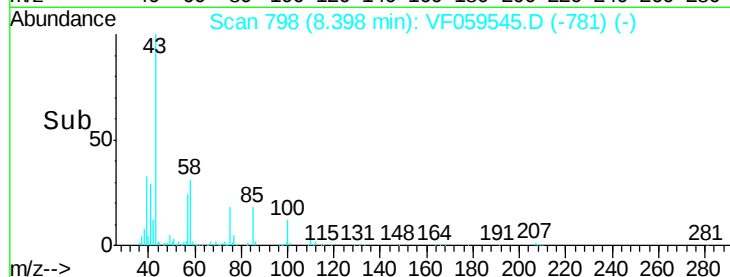
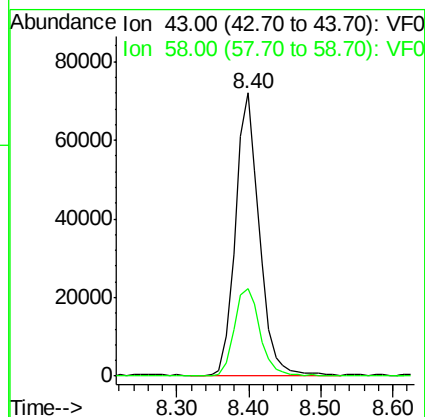
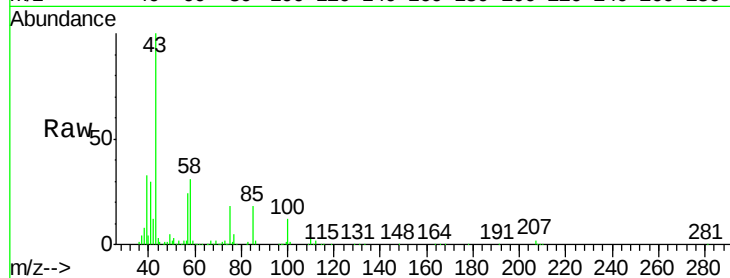
VF0719SBS01

Tot Ion: 43 Resp: 167096

Ion Ratio Lower Upper

43 100

58 30.9 27.4 41.2



#52

Toluene

Concen: 21.619 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059545.D

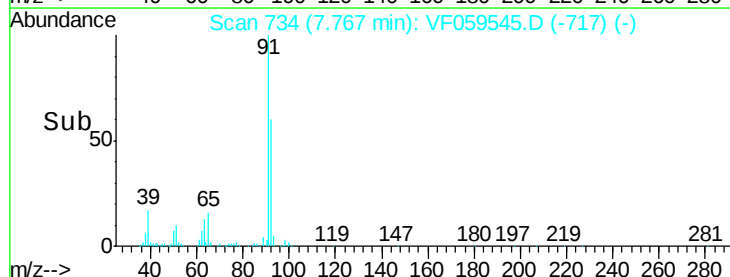
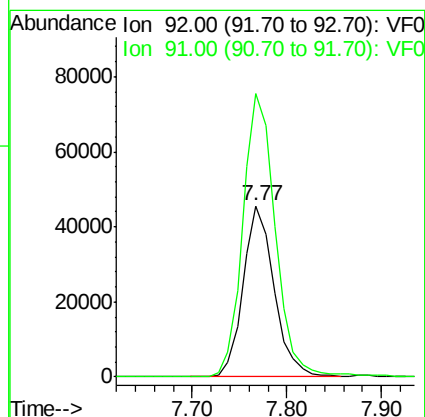
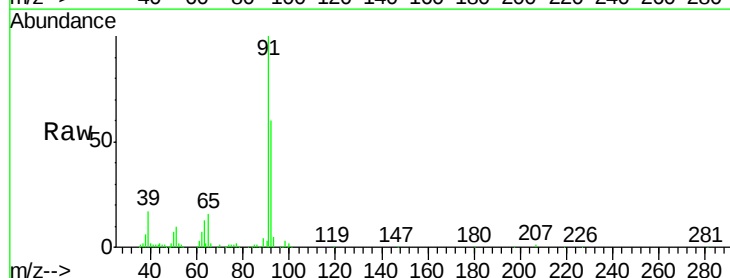
Acq: 19 Jul 2018 7:46

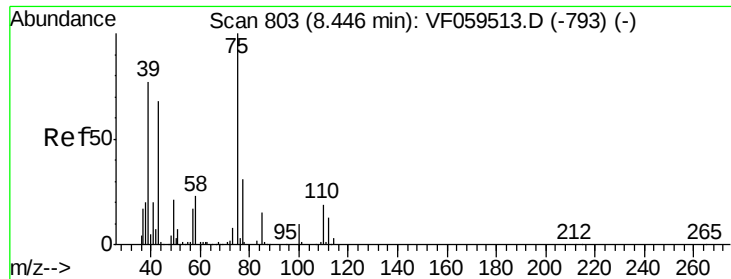
Tgt Ion: 92 Resp: 103687

Ion Ratio Lower Upper

92 100

91 165.5 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 20.082 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

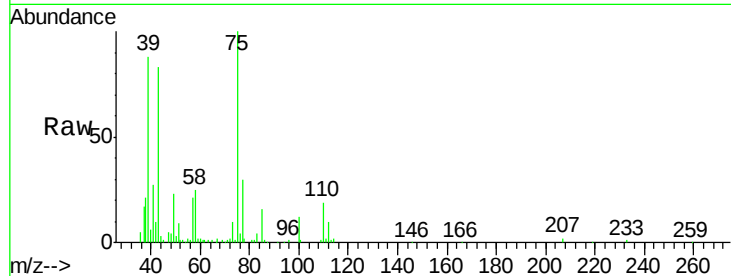
VF0719SBS01

Tot Ion: 75 Resp: 79481

Ion Ratio Lower Upper

75 100

77 30.1 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

40000

30000

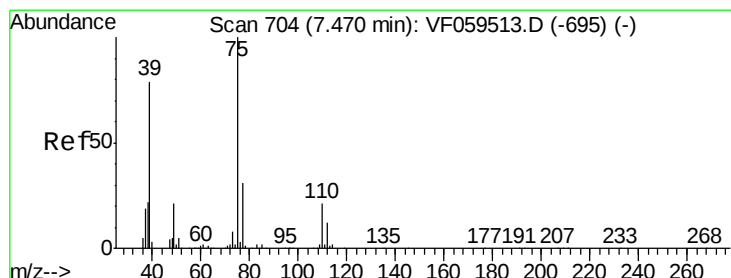
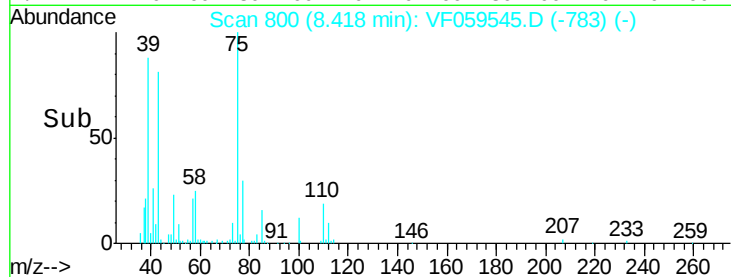
20000

10000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.443 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

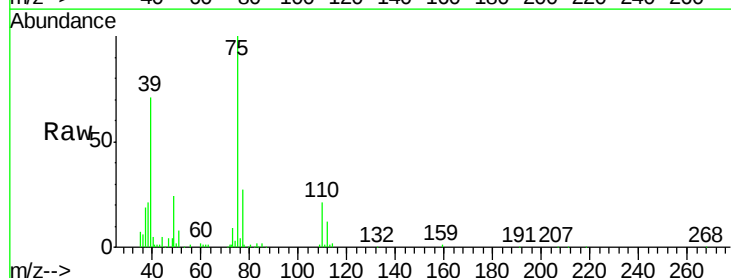
Tgt Ion: 75 Resp: 80565

Ion Ratio Lower Upper

75 100

77 27.5 25.0 37.6

39 71.1 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.45

40000

30000

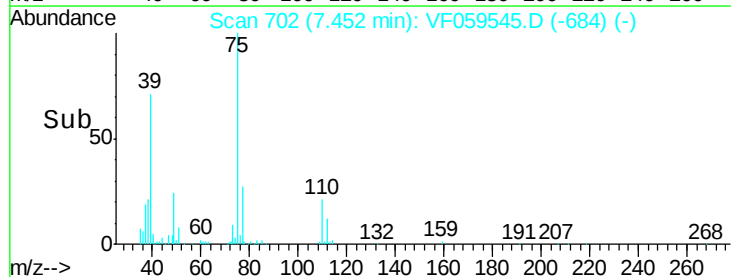
20000

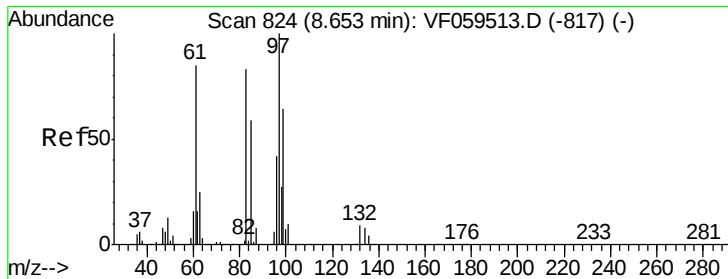
10000

0

7.40 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 23.235 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 97 Resp: 43178

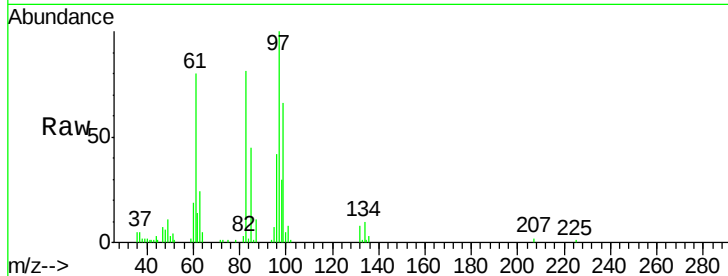
Ion Ratio Lower Upper

97 100

83 80.8 66.9 100.3

85 45.5 46.9 70.3#

99 66.3 51.5 77.3

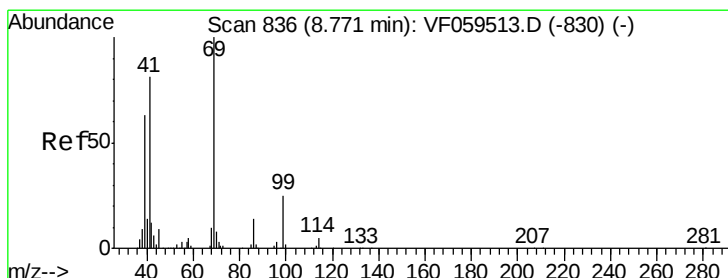
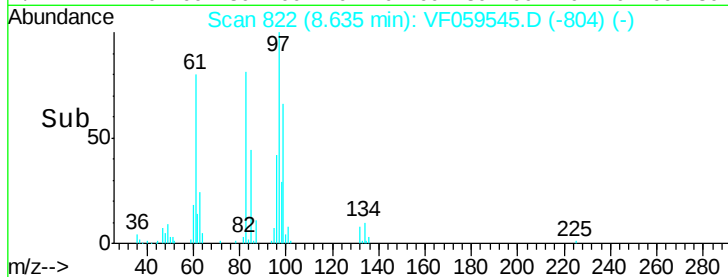
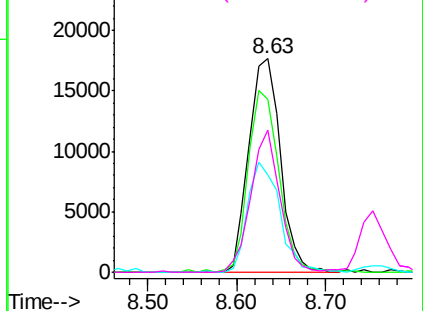


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.514 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

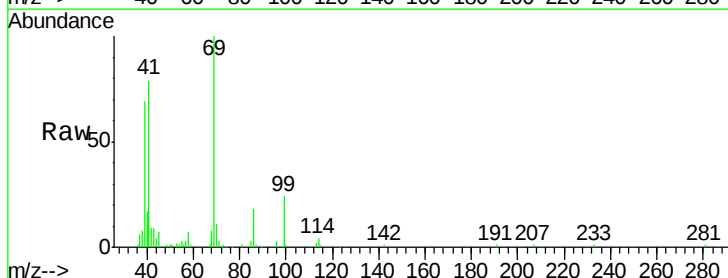
Tgt Ion: 69 Resp: 44971

Ion Ratio Lower Upper

69 100

41 79.3 65.4 98.2

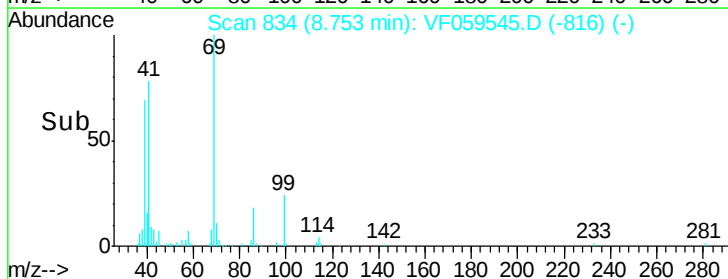
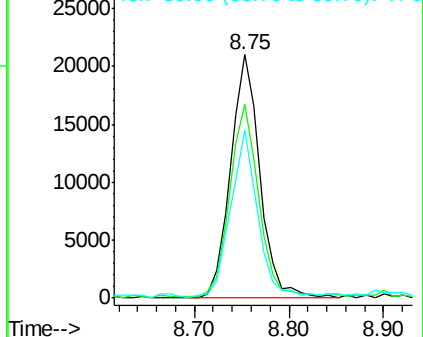
39 69.3 51.0 76.4

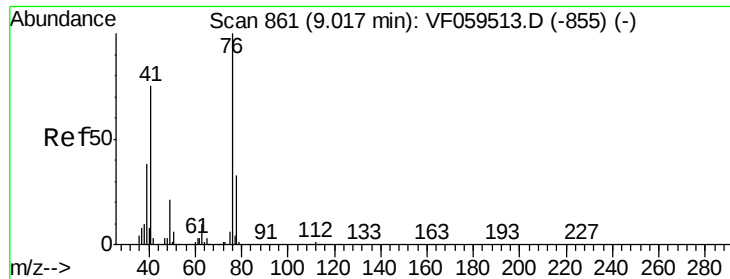


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.632 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

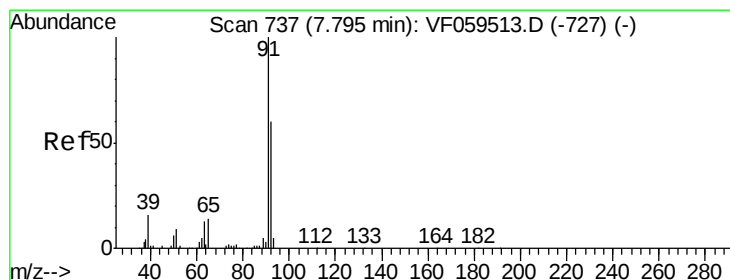
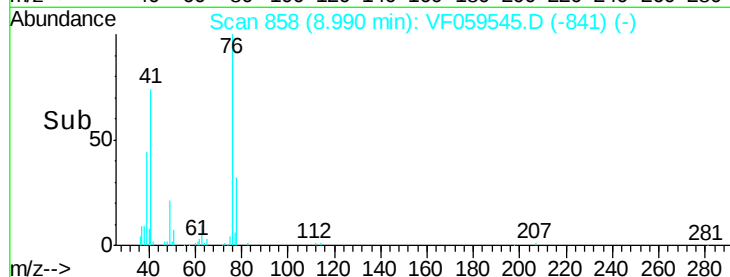
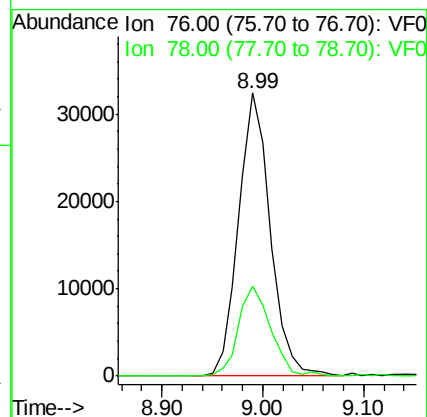
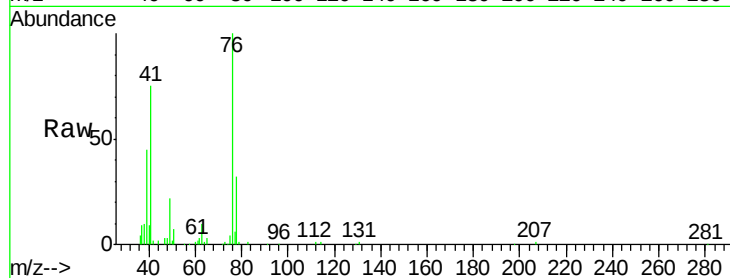
VF0719SBS01

Tot Ion: 76 Resp: 71080

Ion Ratio Lower Upper

76 100

78 31.9 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 115.094 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059545.D

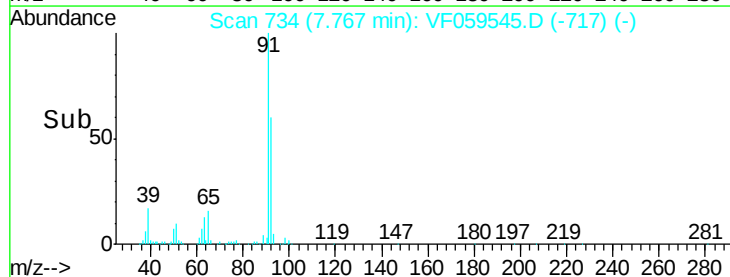
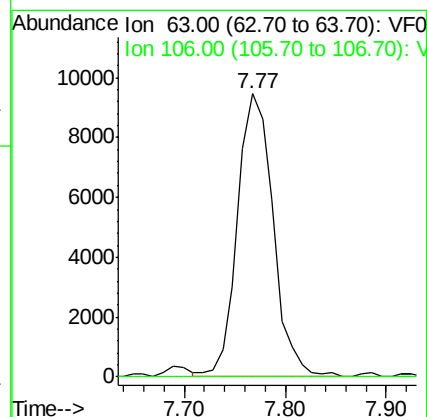
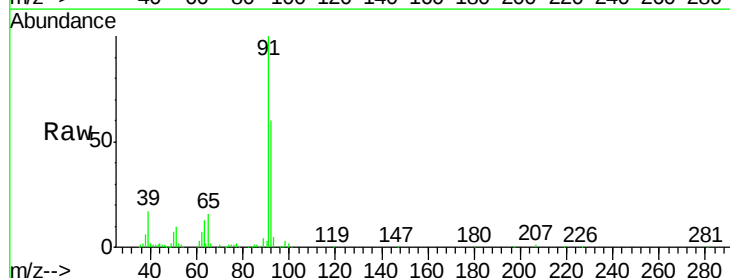
Acq: 19 Jul 2018 7:46

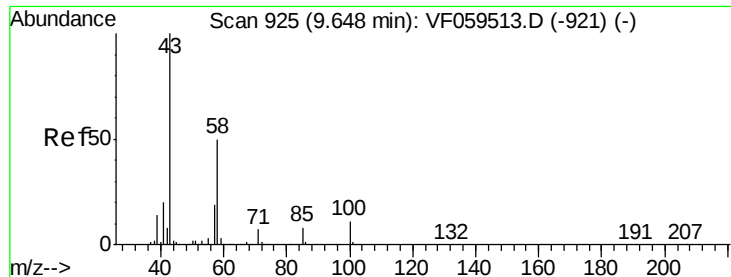
Tgt Ion: 63 Resp: 23417

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

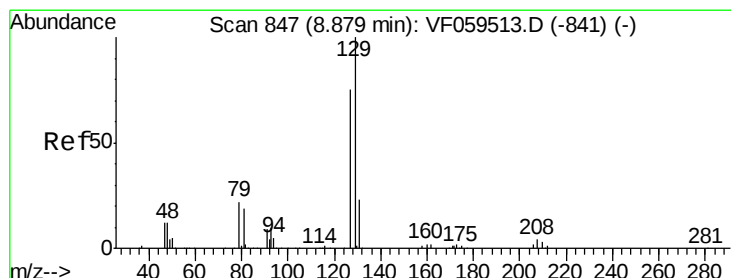
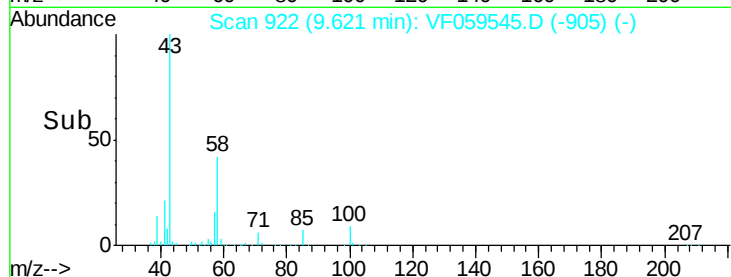
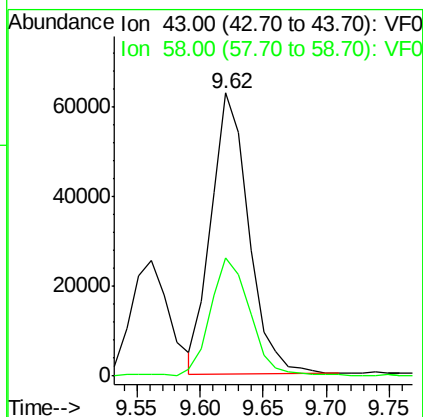
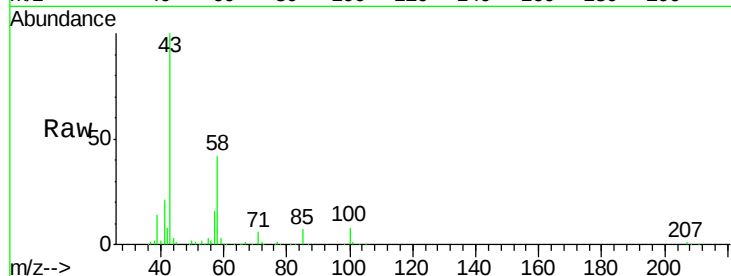




#59
2-Hexanone
Concen: 99.046 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

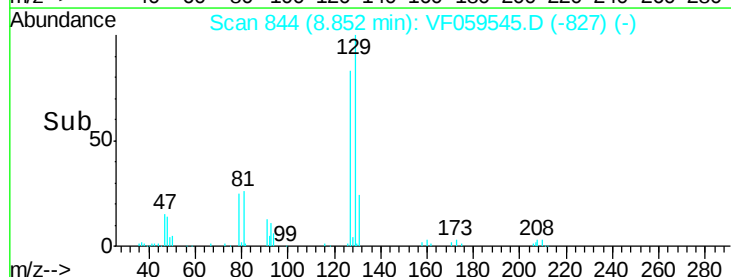
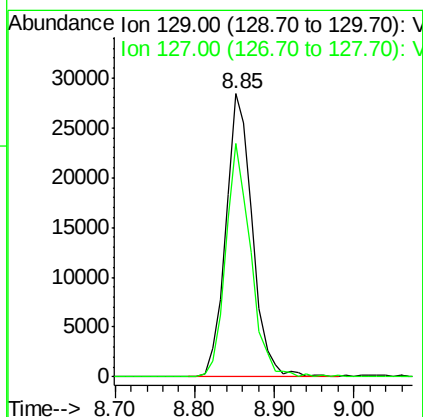
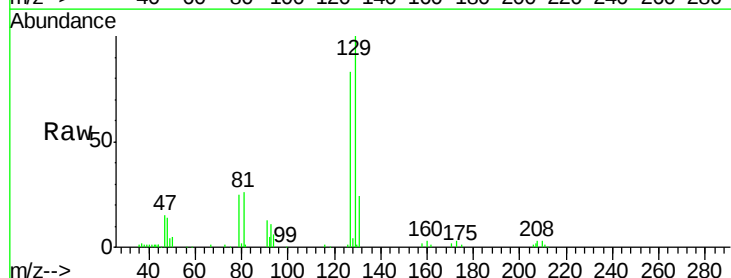
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

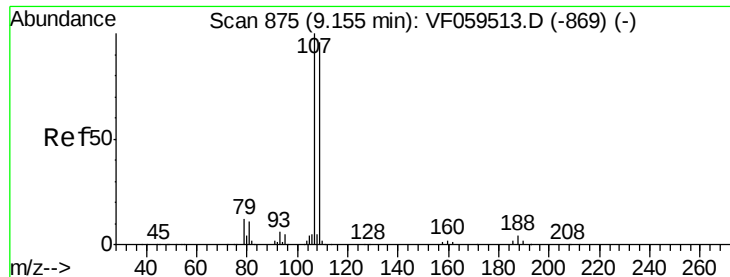
Tot Ion: 43 Resp: 129971
Ion Ratio Lower Upper
43 100
58 41.7 23.3 69.9



#60
Dibromochloromethane
Concen: 21.212 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion: 129 Resp: 66431
Ion Ratio Lower Upper
129 100
127 82.5 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.873 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

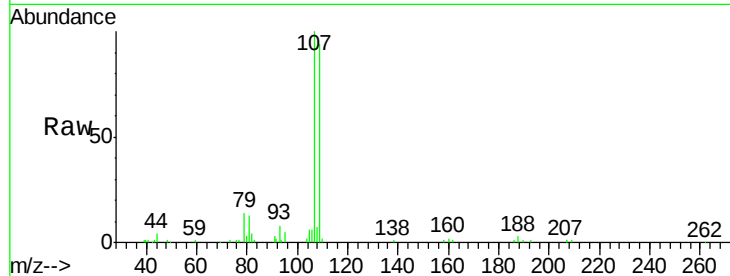
VF0719SBS01

Tot Ion:107 Resp: 50436

Ion Ratio Lower Upper

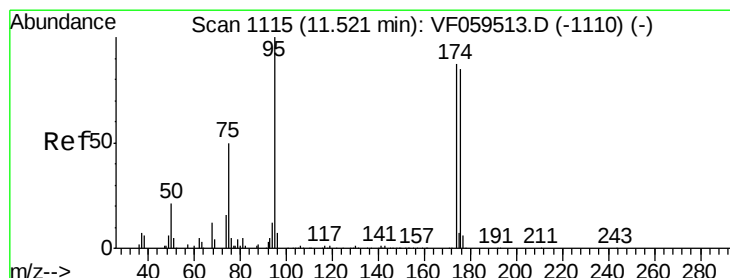
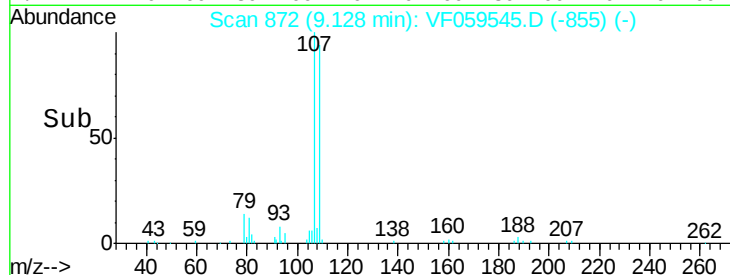
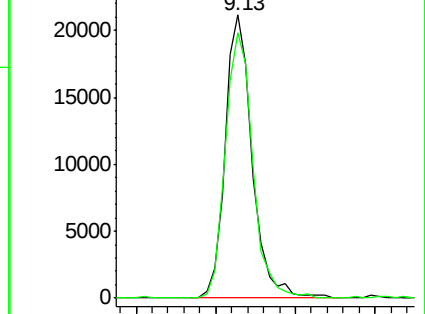
107 100

109 93.7 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.378 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

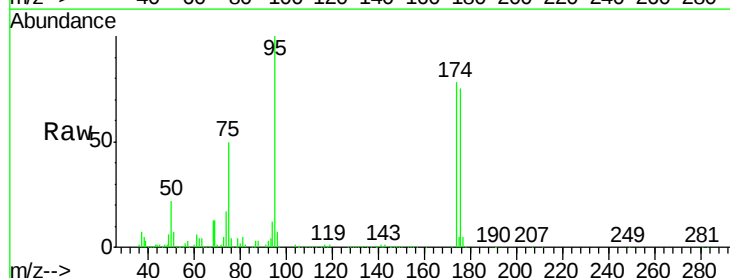
Tgt Ion: 95 Resp: 211942

Ion Ratio Lower Upper

95 100

174 78.4 0.0 174.4

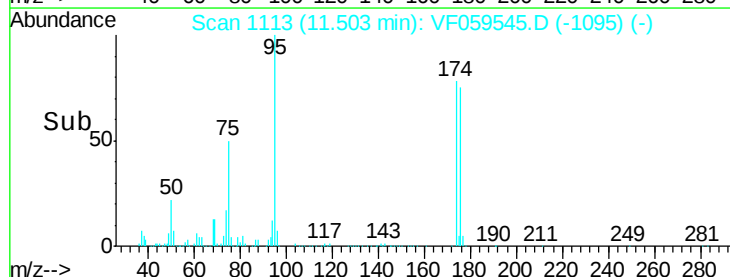
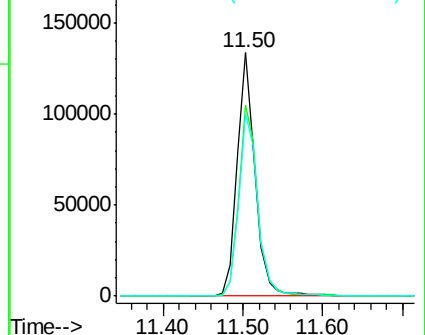
176 75.0 0.0 169.4

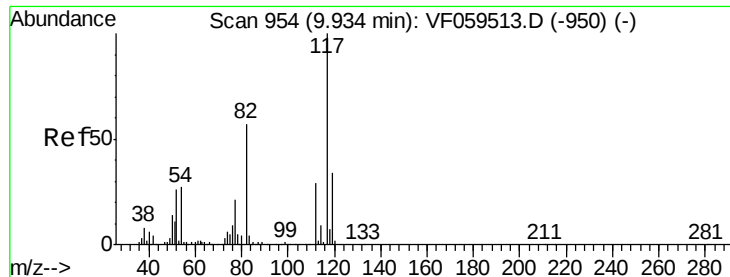


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

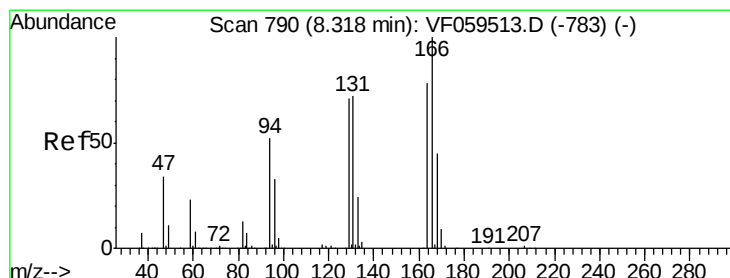
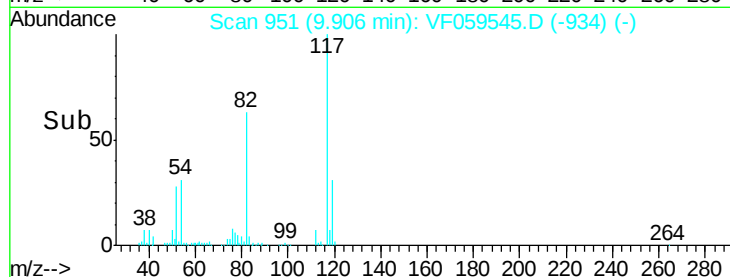
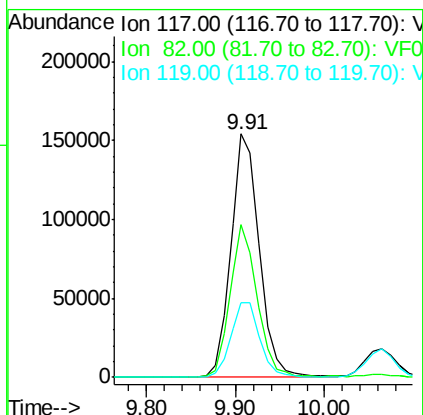
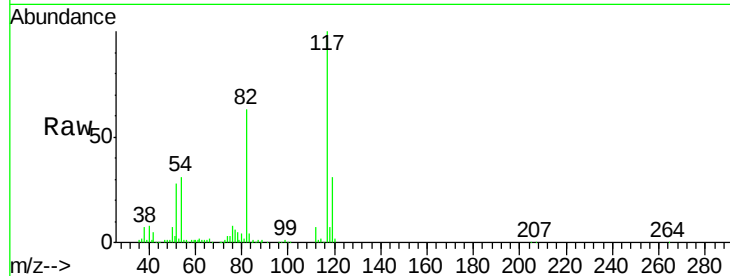




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

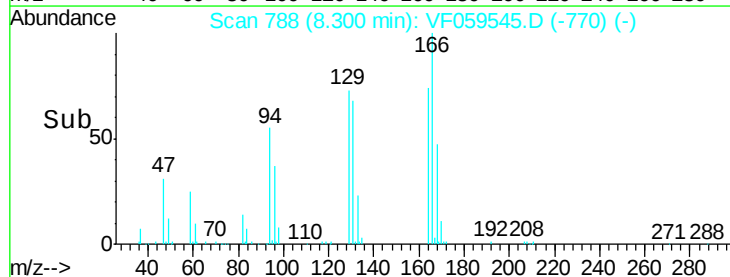
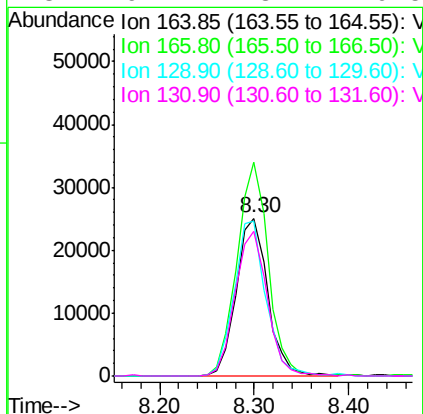
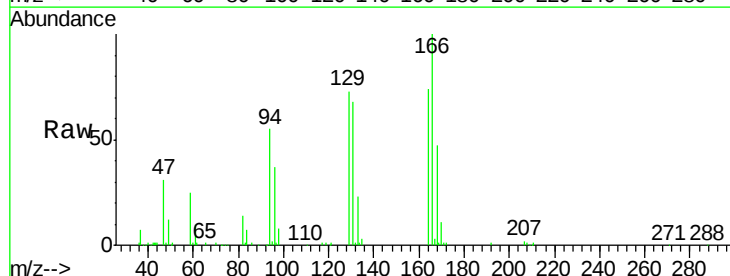
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

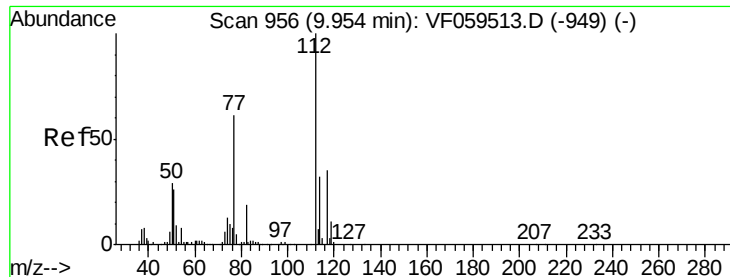
Tot Ion:117 Resp: 345304
Ion Ratio Lower Upper
117 100
82 62.6 46.1 69.1
119 30.9 27.2 40.8



#64
Tetrachloroethene
Concen: 22.676 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion:164 Resp: 58310
Ion Ratio Lower Upper
164 100
166 135.4 102.3 153.5
129 98.6 72.4 108.6
131 91.7 73.7 110.5





#65

Chlorobenzene

Concen: 22.401 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

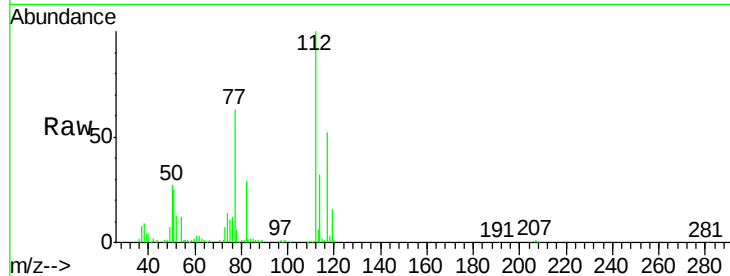
VF0719SBS01

Tot Ion:112 Resp: 145069

Ion Ratio Lower Upper

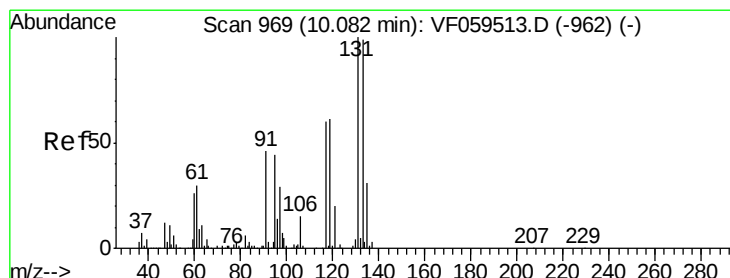
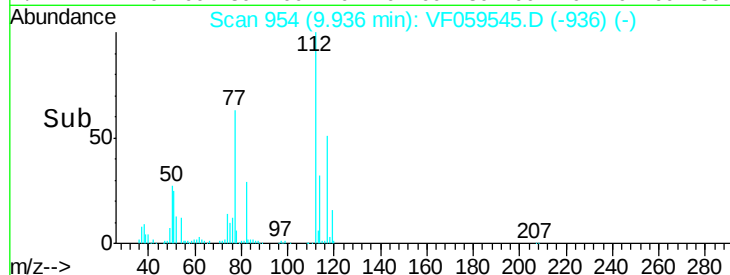
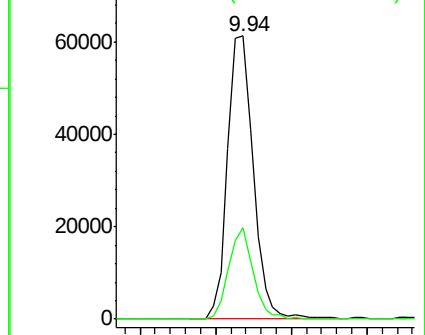
112 100

114 32.2 25.4 38.2



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: 22.204 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

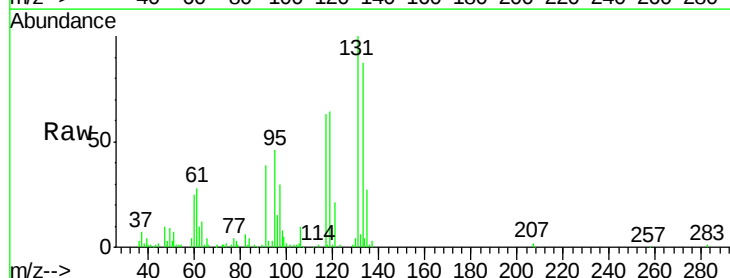
Tgt Ion:131 Resp: 65495

Ion Ratio Lower Upper

131 100

133 86.9 49.6 148.8

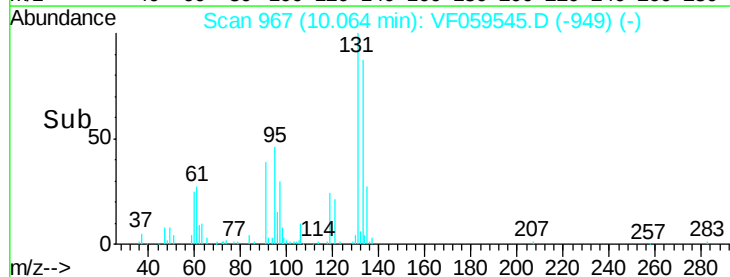
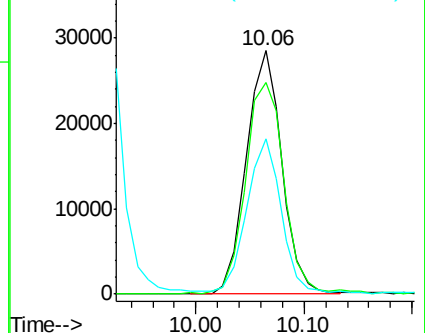
119 63.6 31.4 94.3

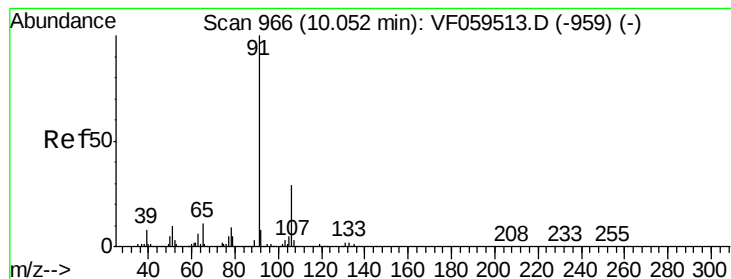


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.929 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

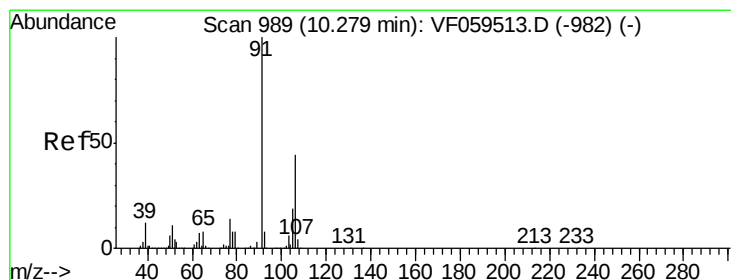
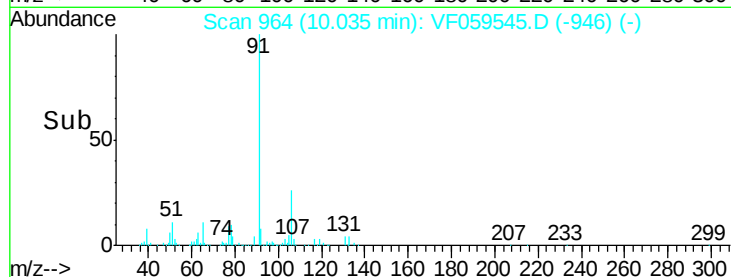
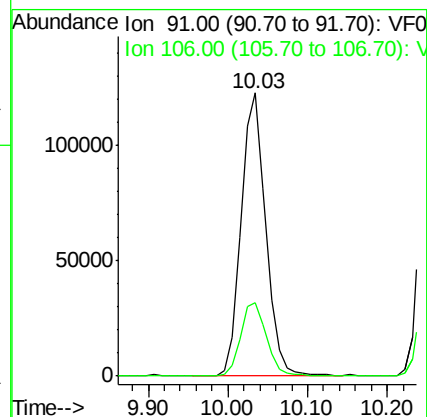
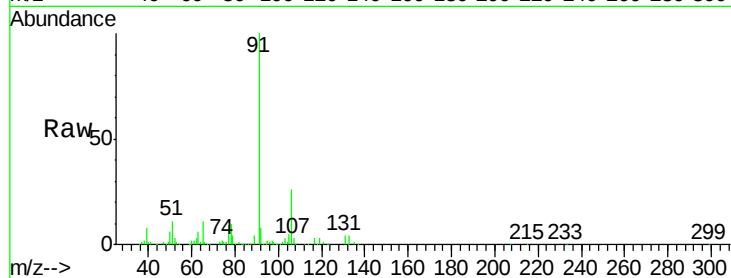
VF0719SBS01

Tot Ion: 91 Resp: 264308

Ion Ratio Lower Upper

91 100

106 26.0 23.4 35.2



#68

m/p-Xylenes

Concen: 46.483 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059545.D

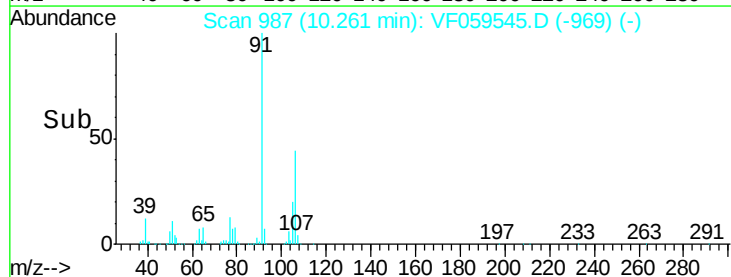
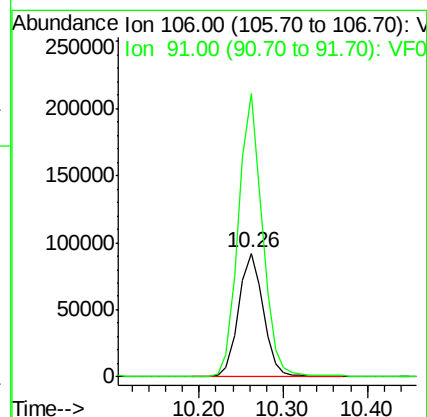
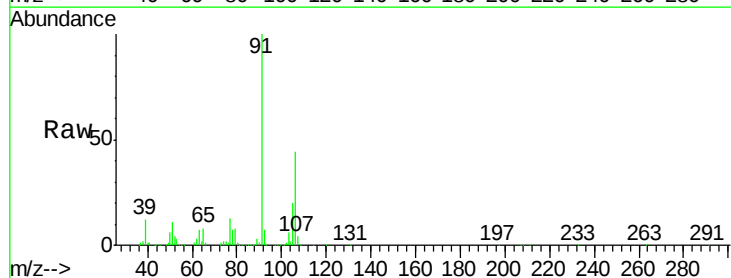
Acq: 19 Jul 2018 7:46

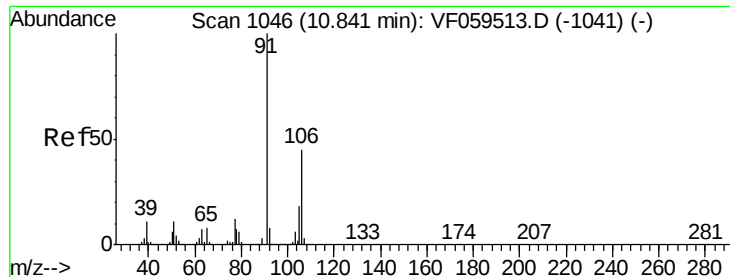
Tgt Ion: 106 Resp: 189118

Ion Ratio Lower Upper

106 100

91 229.3 181.0 271.4

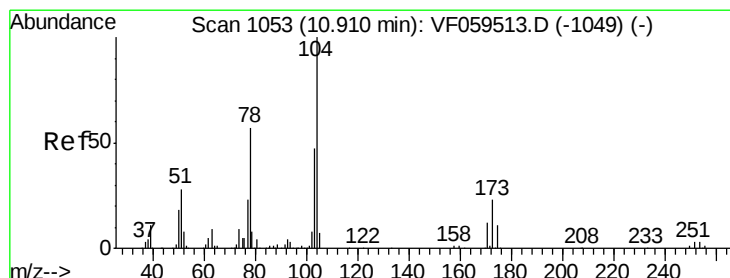
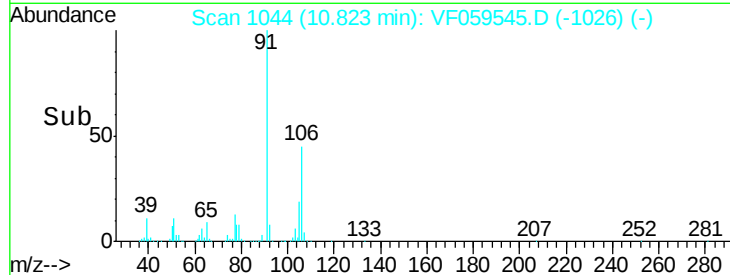
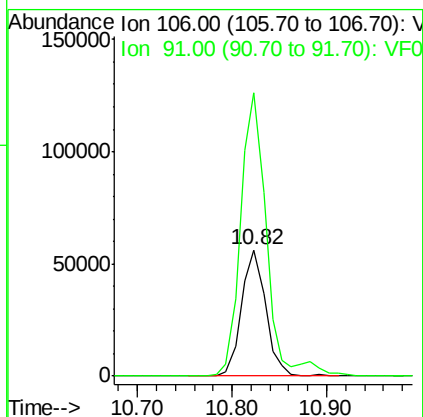
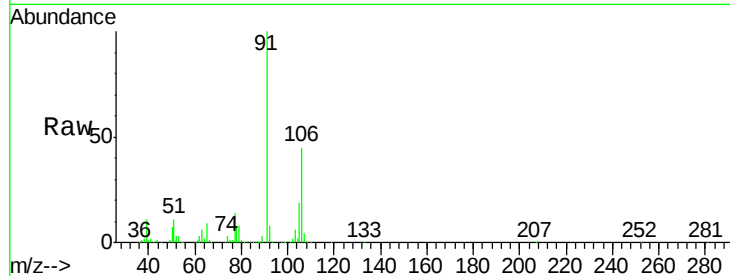




#69
o-Xylene
Concen: 23.242 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

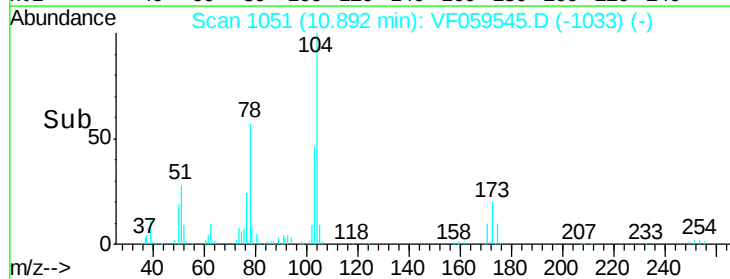
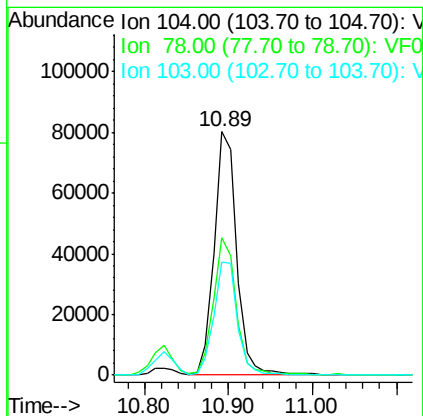
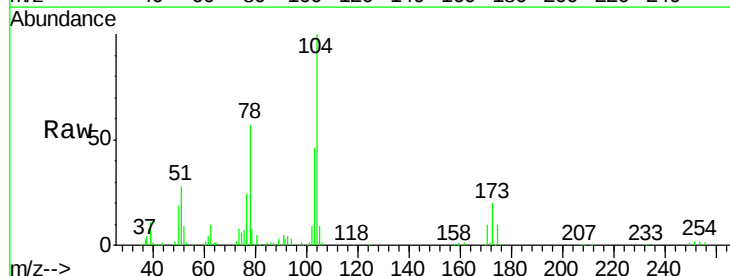
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

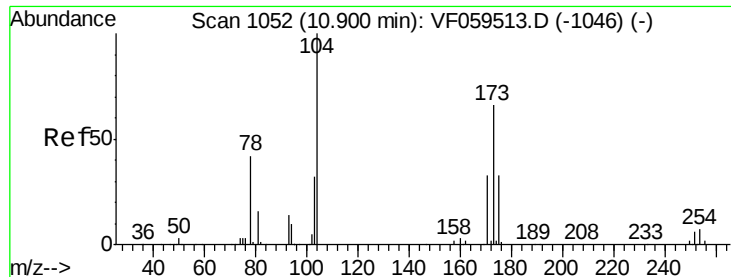
Tot Ion:106 Resp: 100689
Ion Ratio Lower Upper
106 100
91 224.1 112.3 336.9



#70
Styrene
Concen: 22.220 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059545.D
Acq: 19 Jul 2018 7:46

Tgt Ion:104 Resp: 147968
Ion Ratio Lower Upper
104 100
78 56.6 45.7 68.5
103 46.3 38.1 57.1





#71

Bromoform

Concen: 21.057 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

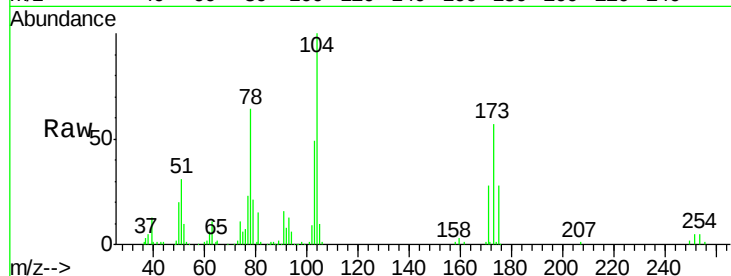
Tot Ion:173 Resp: 43144

Ion Ratio Lower Upper

173 100

175 49.8 25.3 75.8

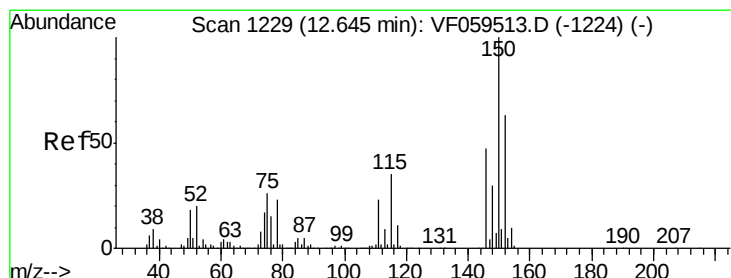
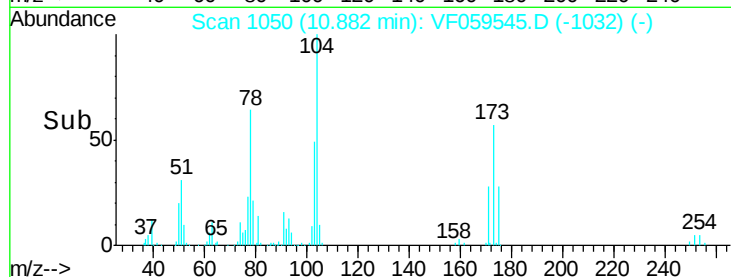
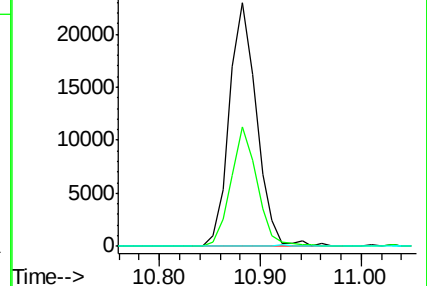
254 0.0 0.0 0.0



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. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

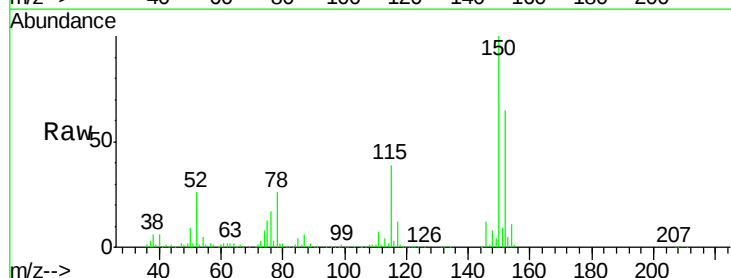
Tgt Ion:152 Resp: 223978

Ion Ratio Lower Upper

152 100

115 60.9 27.8 83.3

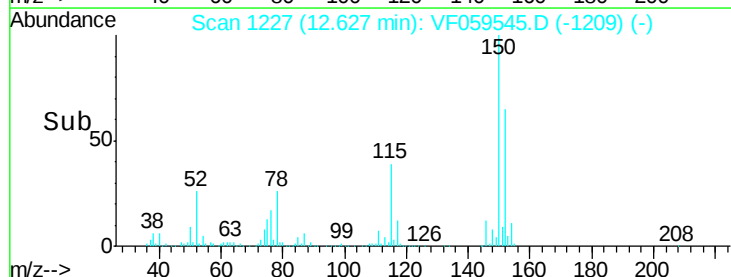
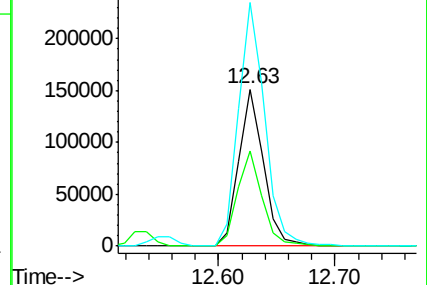
150 154.9 0.0 318.4

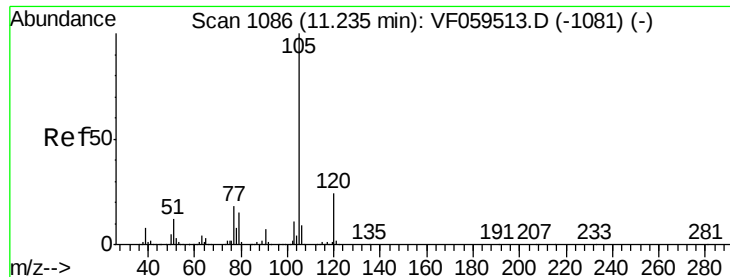


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.841 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

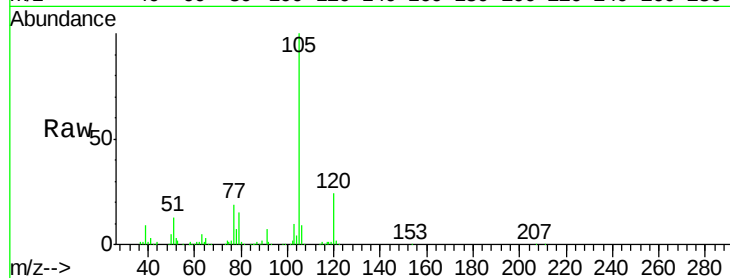
VF0719SBS01

Tot Ion:105 Resp: 294556

Ion Ratio Lower Upper

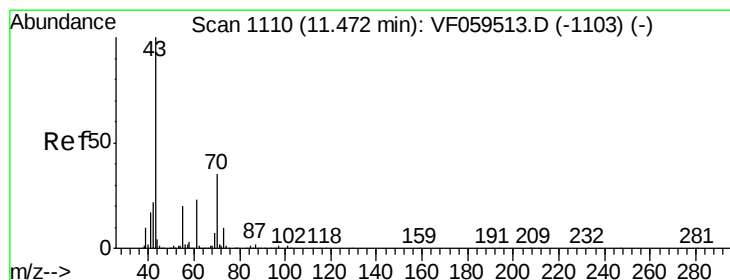
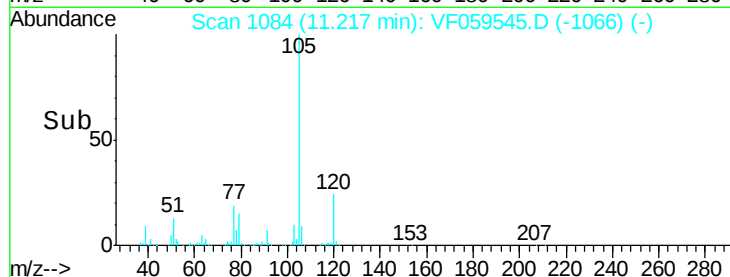
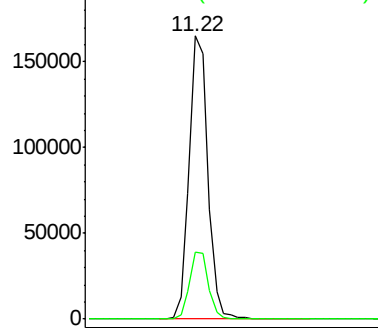
105 100

120 23.9 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.815 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Tgt Ion: 43 Resp: 76113

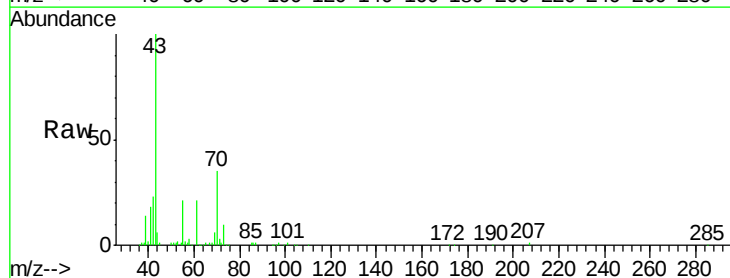
Ion Ratio Lower Upper

43 100

70 35.0 27.9 41.9

55 21.2 16.2 24.2

61 21.2 18.6 27.8

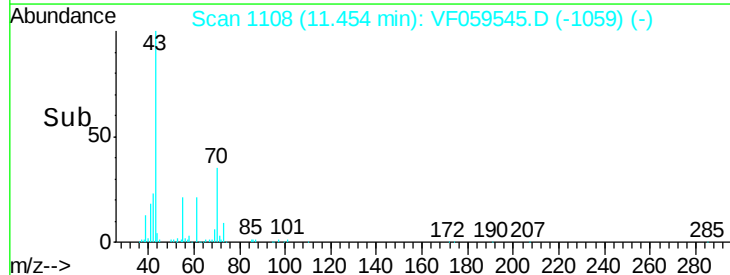
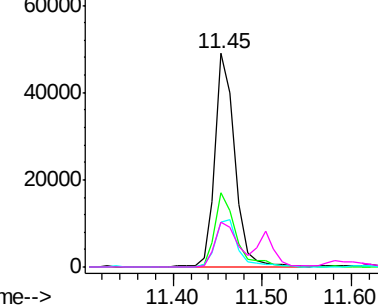


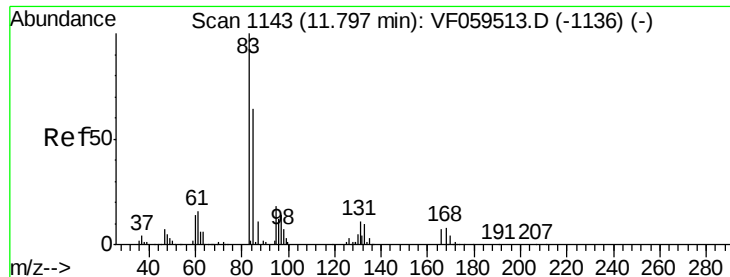
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.175 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

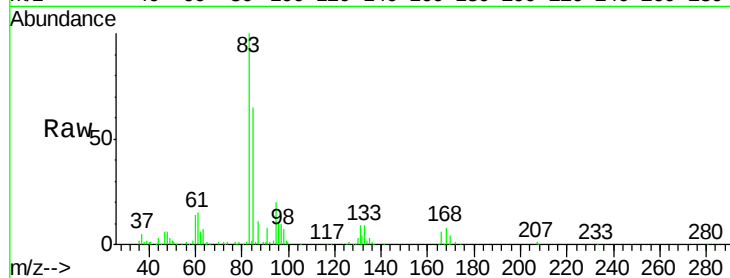
Tot Ion: 83 Resp: 62190

Ion Ratio Lower Upper

83 100

131 9.4 5.7 17.1

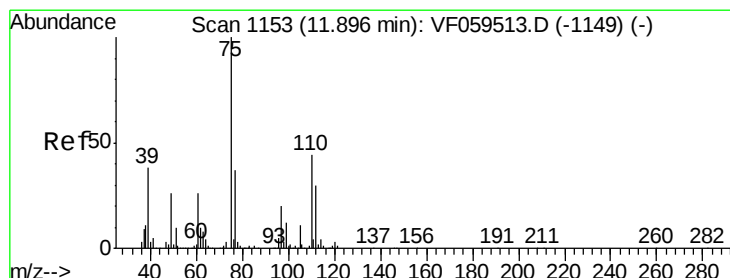
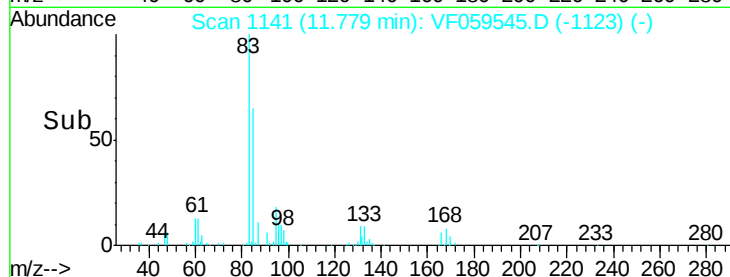
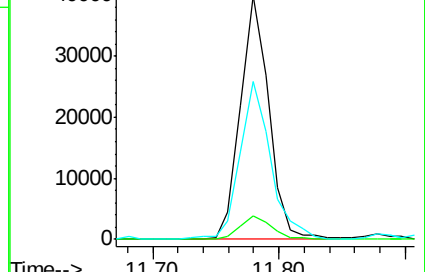
85 65.0 31.9 95.9



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: 20.639 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF059545.D

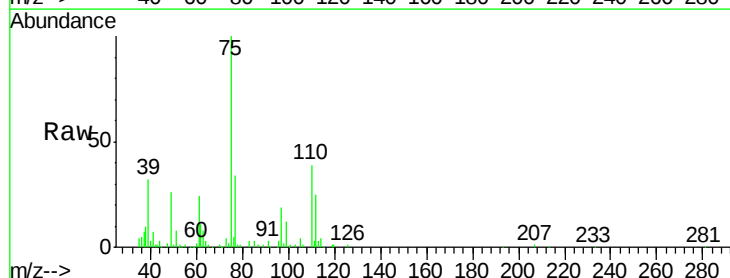
Acq: 19 Jul 2018 7:46

Tgt Ion: 75 Resp: 51954

Ion Ratio Lower Upper

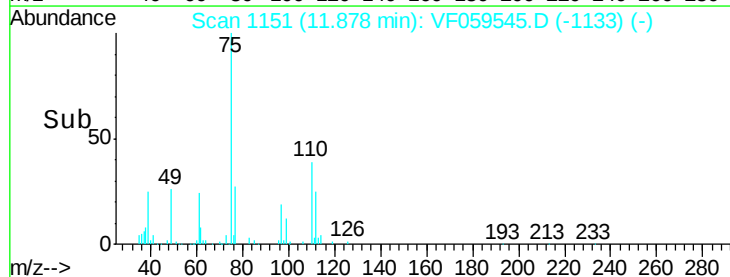
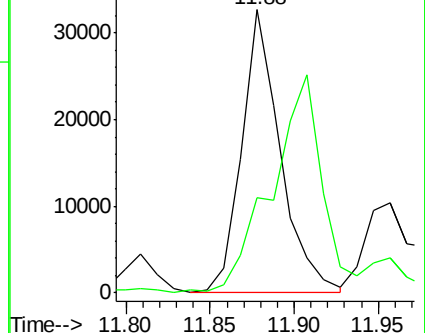
75 100

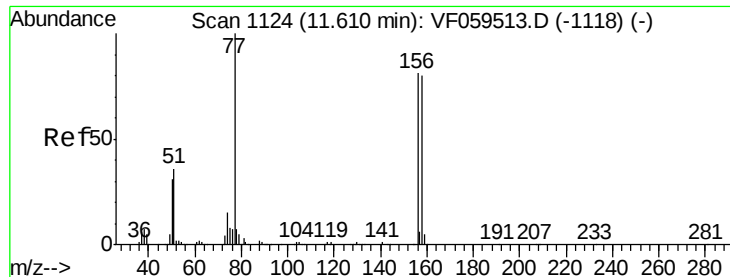
77 33.8 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.554 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

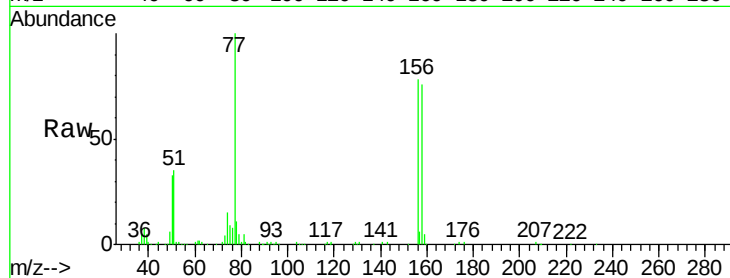
Tot Ion:156 Resp: 85388

Ion Ratio Lower Upper

156 100

77 127.5 62.0 186.0

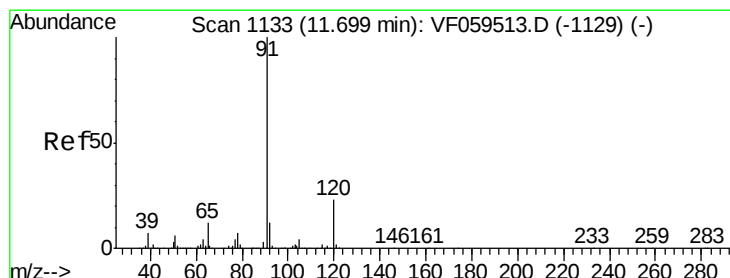
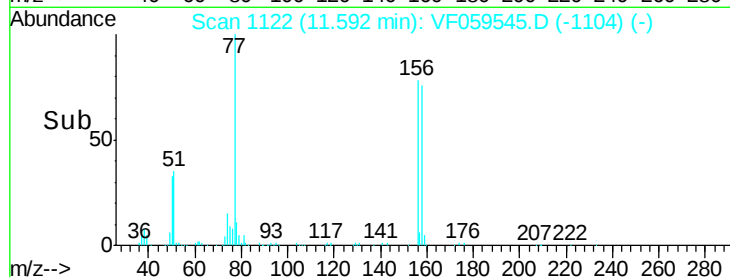
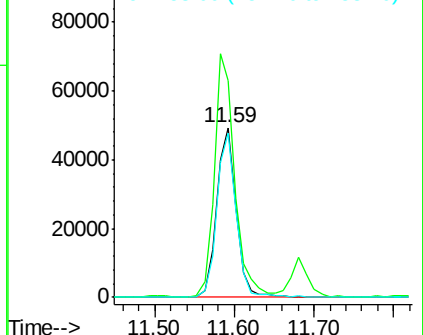
158 96.9 49.8 149.3



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: 22.281 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF059545.D

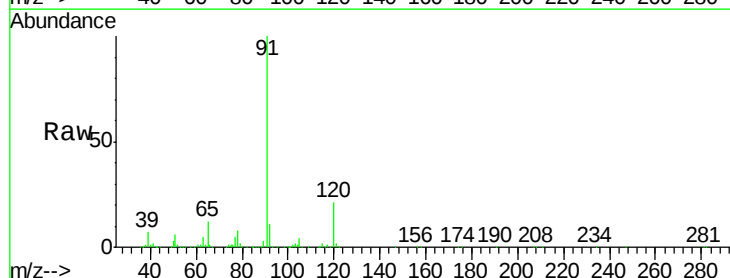
Acq: 19 Jul 2018 7:46

Tgt Ion: 91 Resp: 361220

Ion Ratio Lower Upper

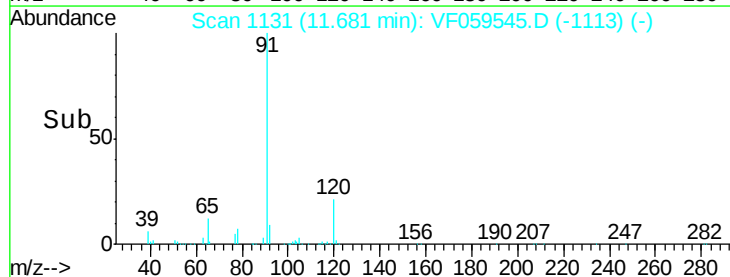
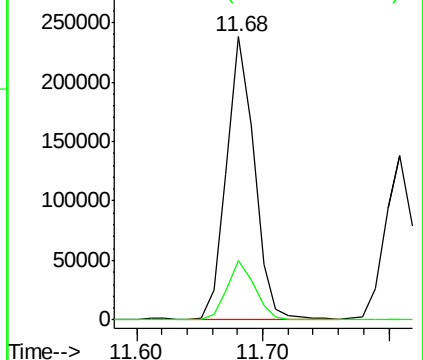
91 100

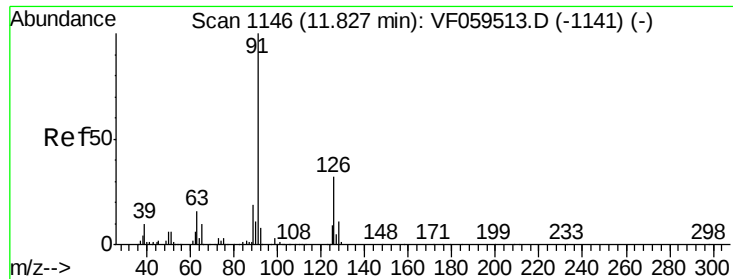
120 21.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

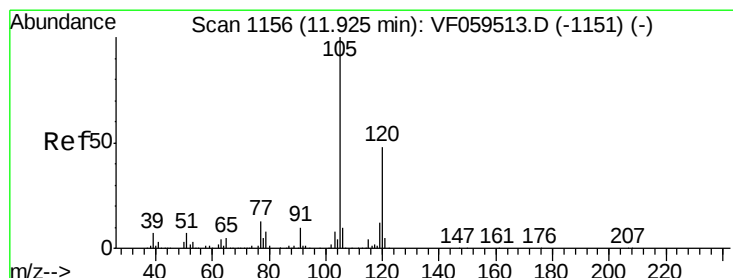
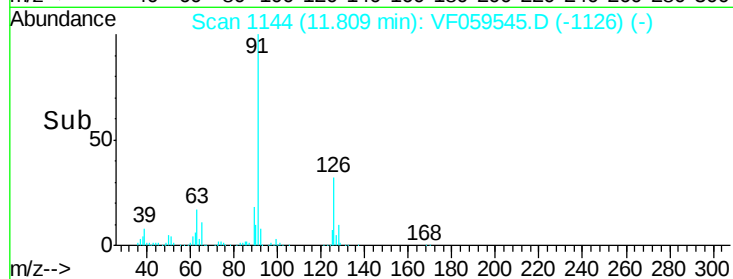
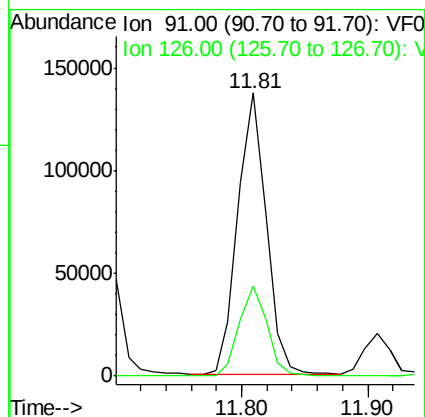
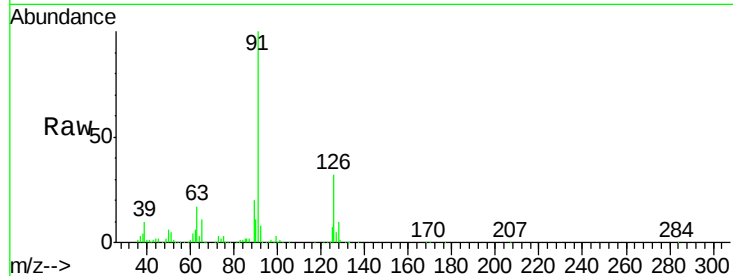




#79
 2-Chlorotoluene
 Concen: 21.408 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

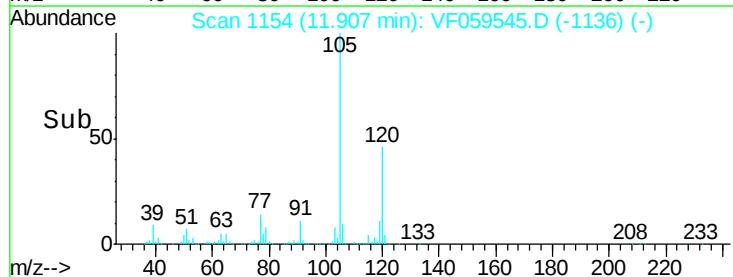
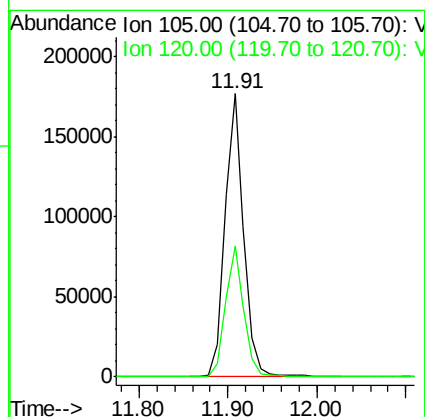
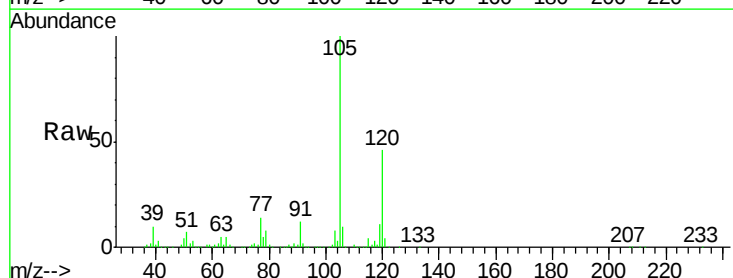
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

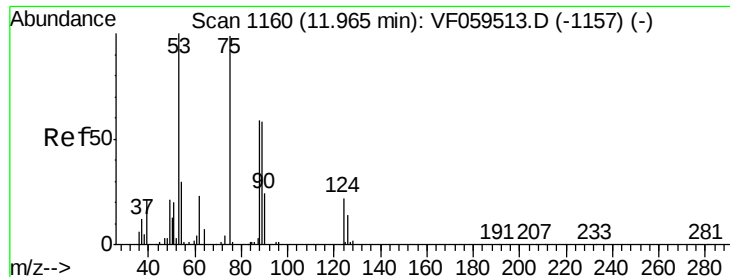
Tot Ion: 91 Resp: 213786
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.084 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion: 105 Resp: 261542
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.884 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

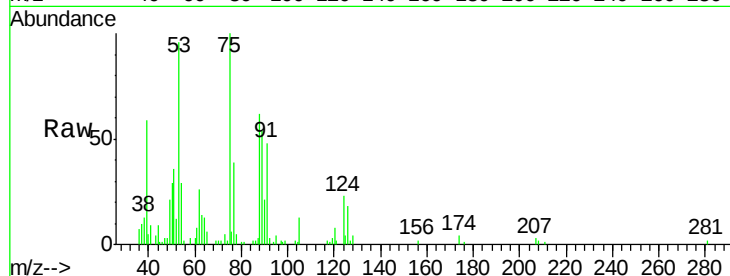
Tot Ion: 75 Resp: 26314

Ion Ratio Lower Upper

75 100

53 96.0 84.6 127.0

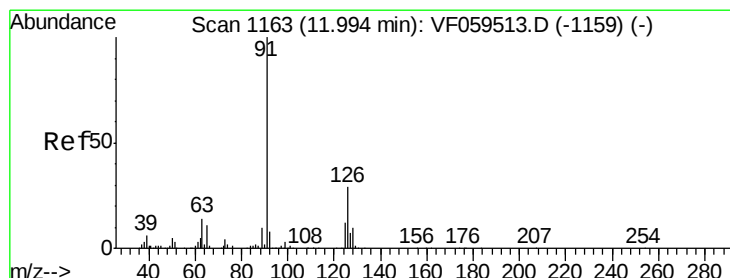
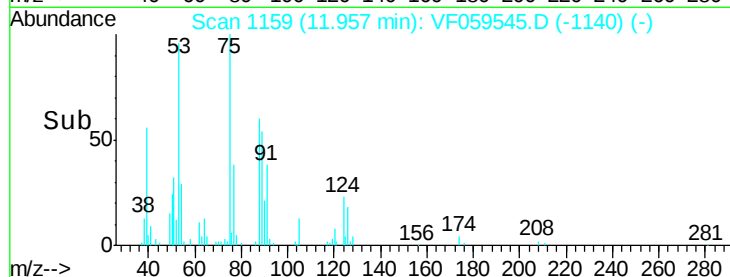
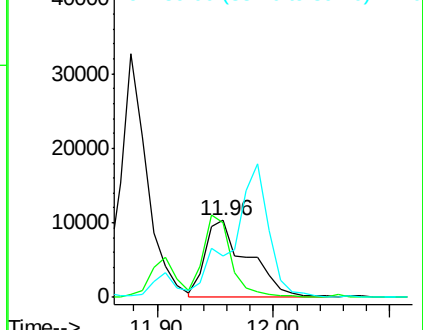
89 54.3 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.442 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059545.D

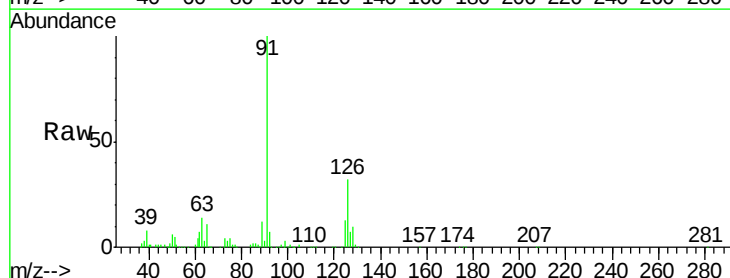
Acq: 19 Jul 2018 7:46

Tgt Ion: 91 Resp: 239925

Ion Ratio Lower Upper

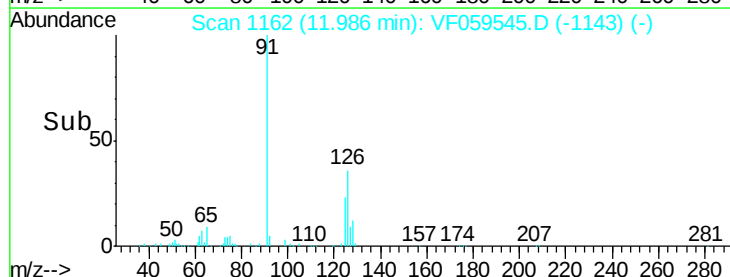
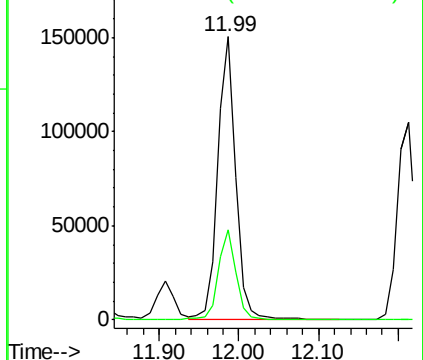
91 100

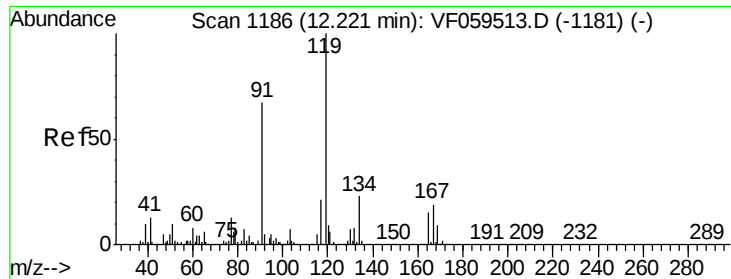
126 32.0 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.730 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

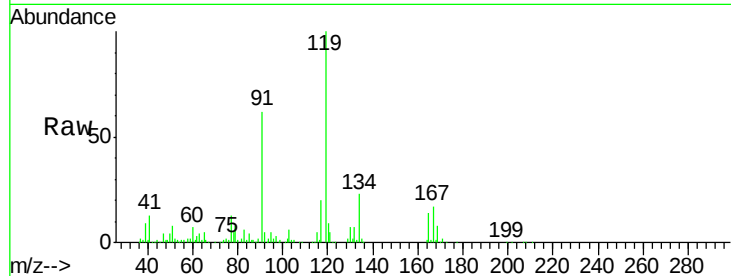
Tot Ion:119 Resp: 258350

Ion Ratio Lower Upper

119 100

91 61.5 33.5 100.5

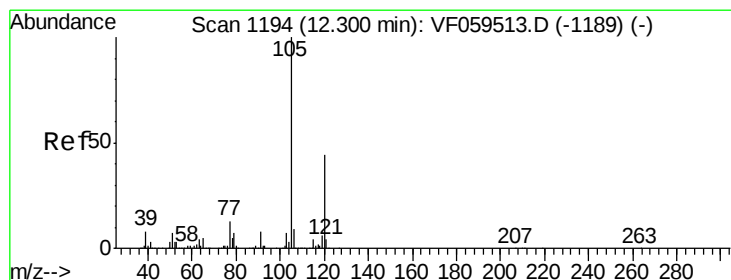
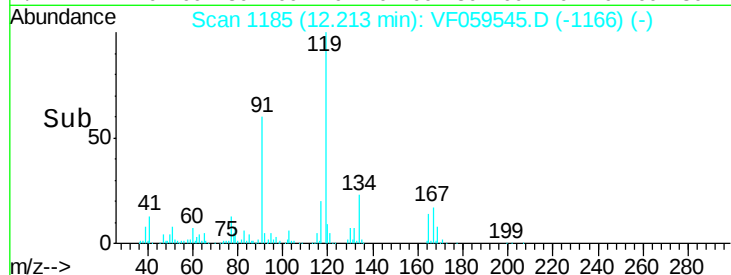
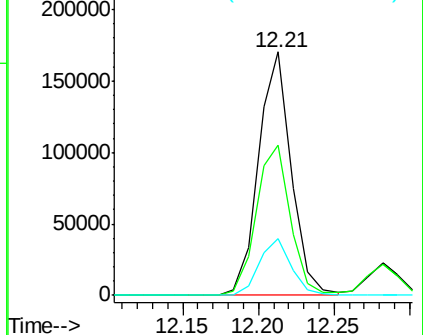
134 23.4 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.106 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VF059545.D

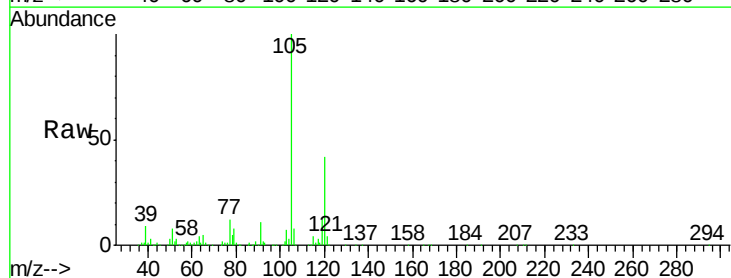
Acq: 19 Jul 2018 7:46

Tgt Ion:105 Resp: 281526

Ion Ratio Lower Upper

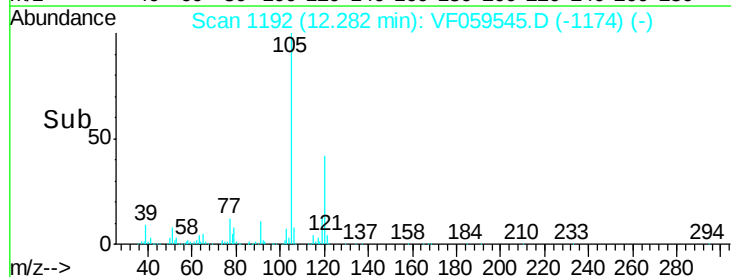
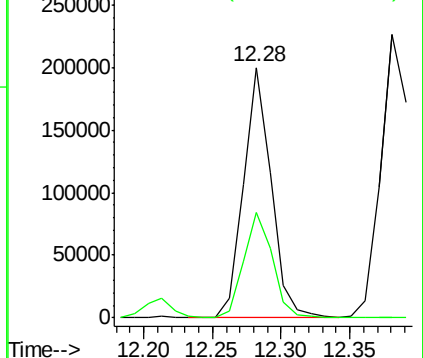
105 100

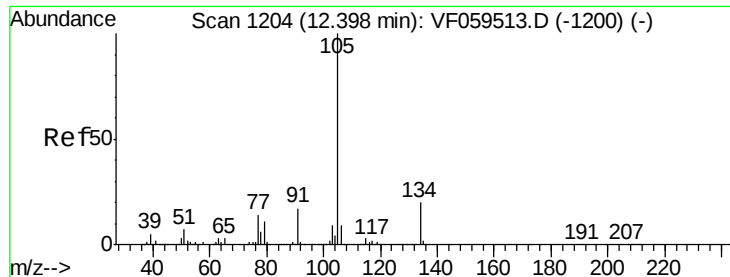
120 42.4 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

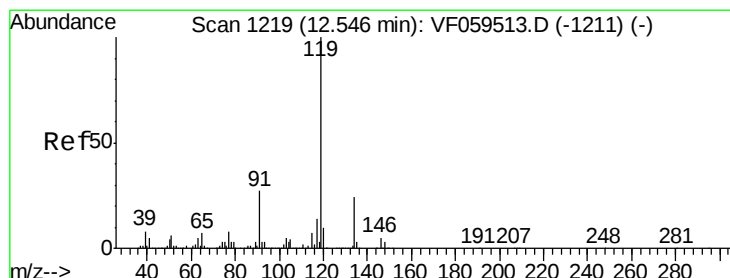
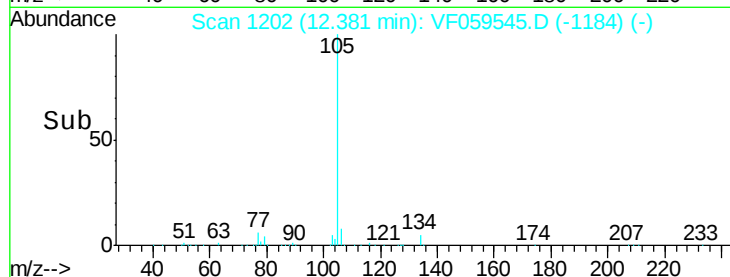
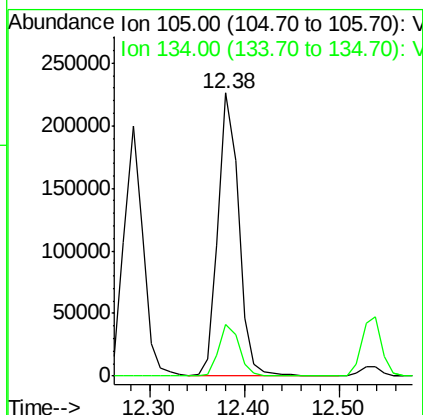
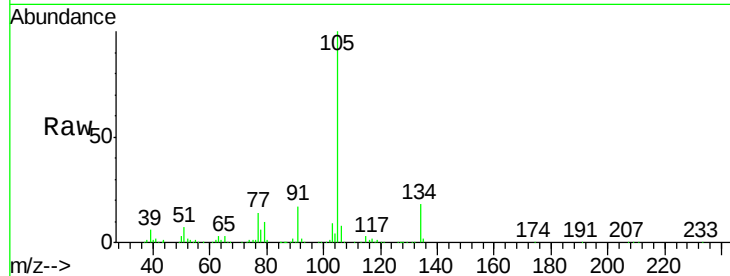




#85
 sec-Butylbenzene
 Concen: 23.726 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

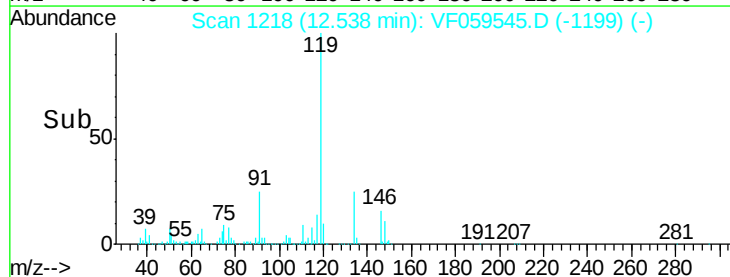
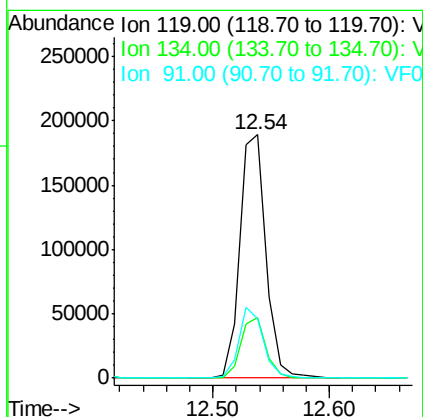
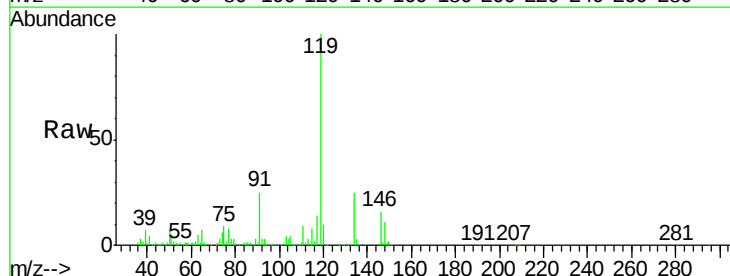
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0719SBS01

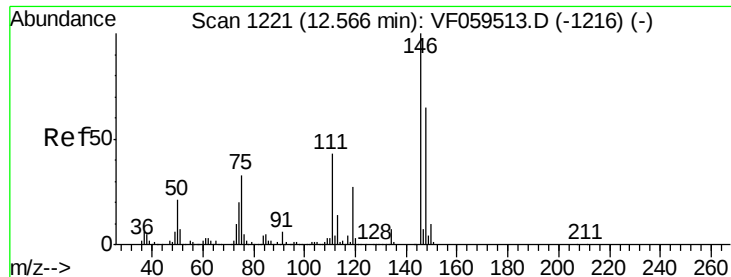
Tot Ion:105 Resp: 342959
 Ion Ratio Lower Upper
 105 100
 134 18.4 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 23.289 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion:119 Resp: 292909
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.0 36.0
 91 24.6 13.5 40.4

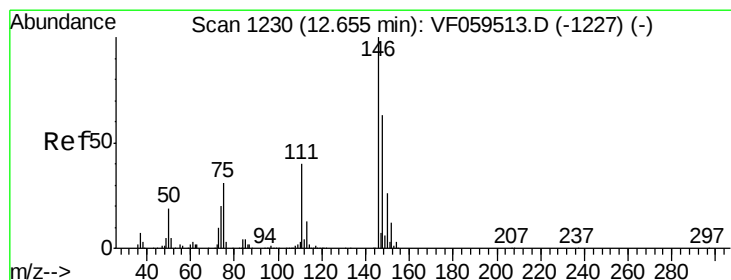
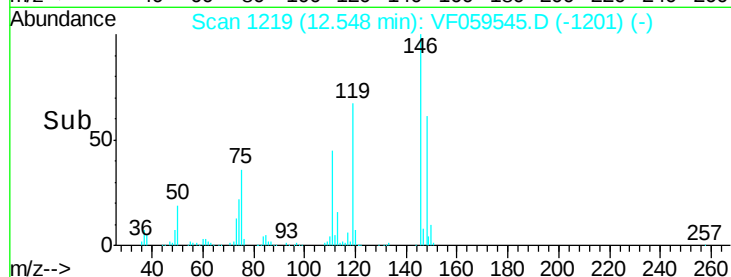
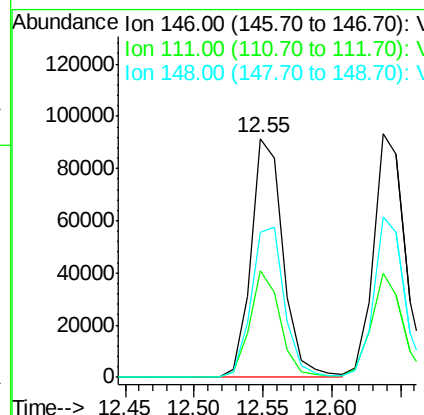
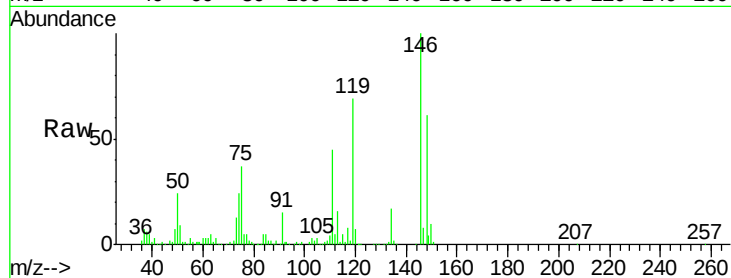




#87
 1,3-Dichlorobenzene
 Concen: 22.018 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

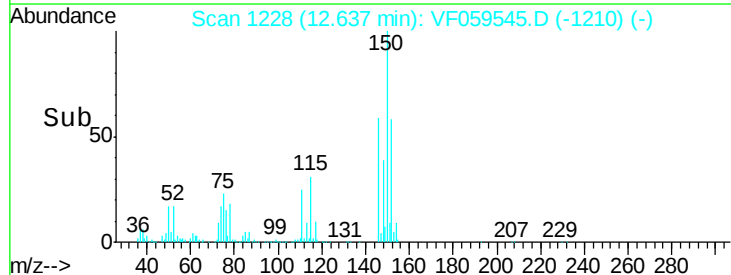
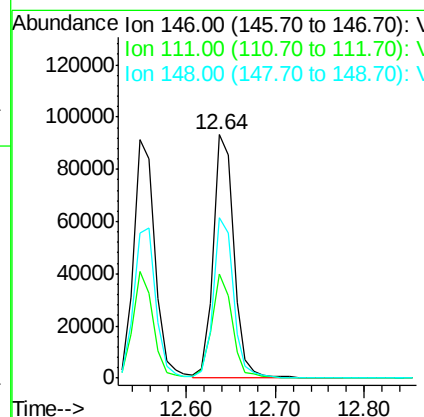
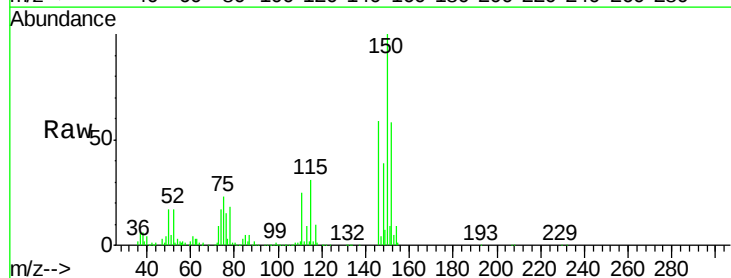
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

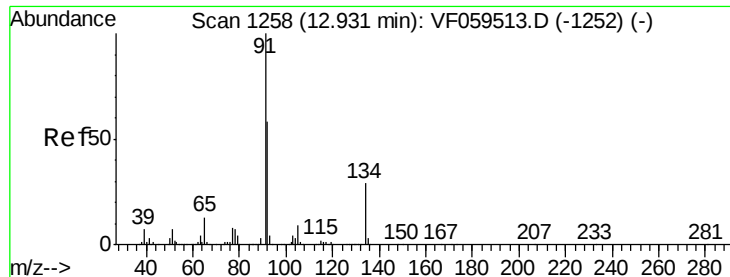
Tot Ion:146 Resp: 149642
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.4 64.3
 148 60.9 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 22.467 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion:146 Resp: 150460
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.0 59.9
 148 65.7 31.5 94.5





#89

n-Butylbenzene

Concen: 24.235 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

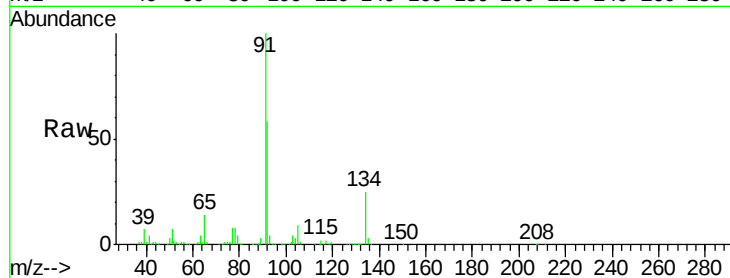
Tot Ion: 91 Resp: 285261

Ion Ratio Lower Upper

91 100

92 57.8 29.1 87.3

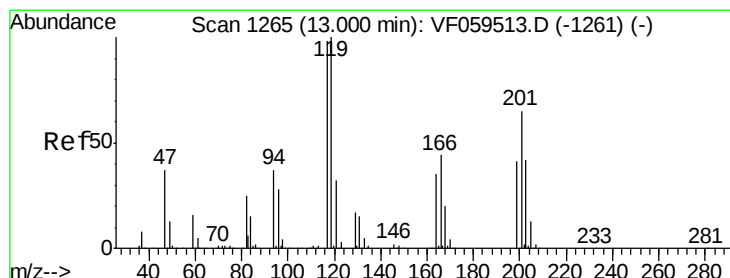
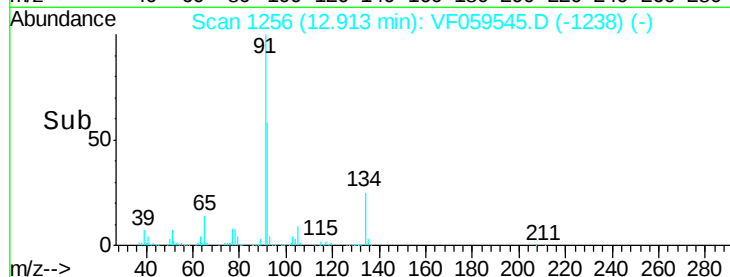
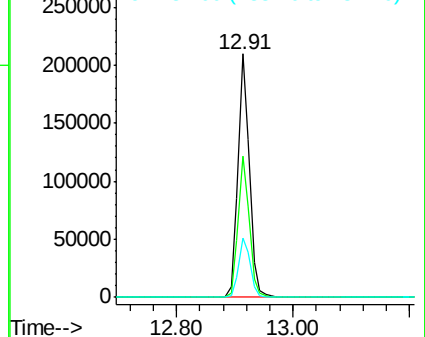
134 24.5 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 25.342 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059545.D

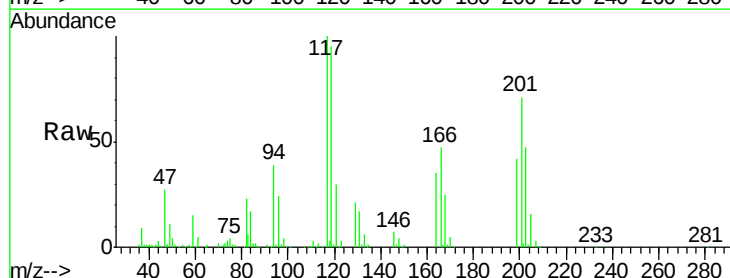
Acq: 19 Jul 2018 7:46

Tgt Ion: 117 Resp: 72400

Ion Ratio Lower Upper

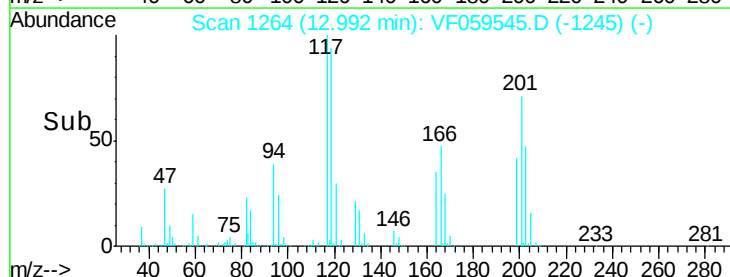
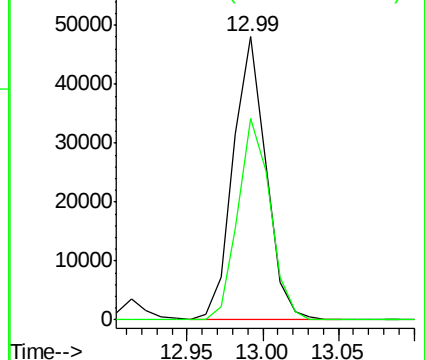
117 100

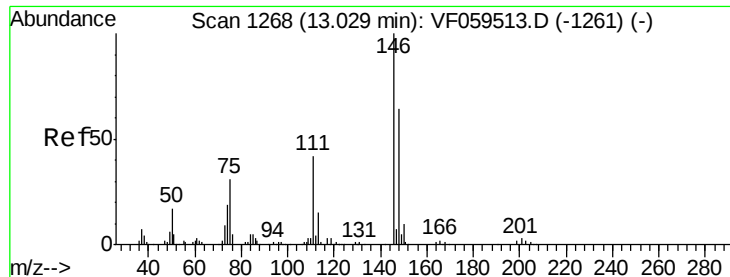
201 72.9 32.6 98.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

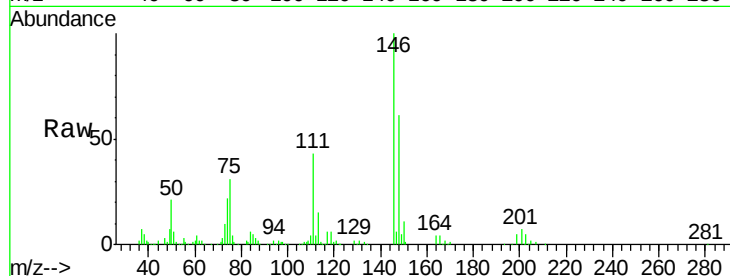




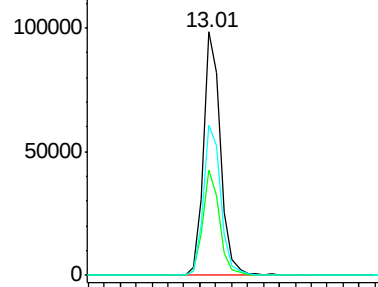
#91
 1,2-Dichlorobenzene
 Concen: 22.855 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

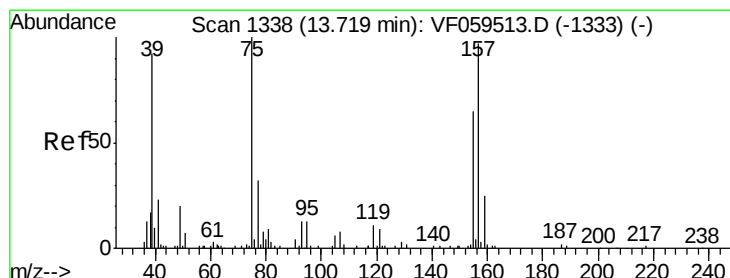
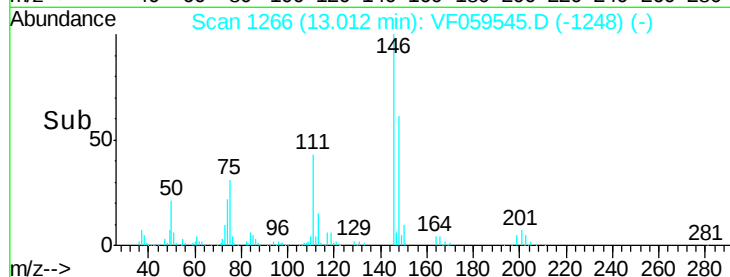
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.1
148	61.4	32.3	96.8



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

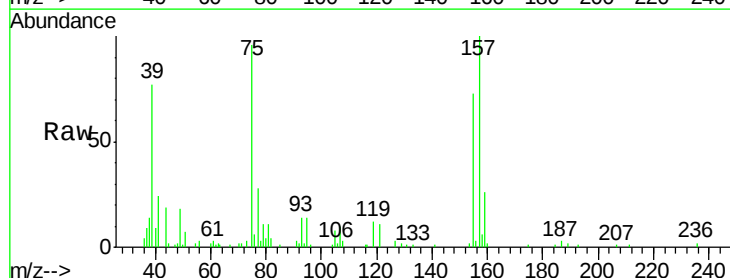


Time--> 12.90 13.00 13.10 13.20

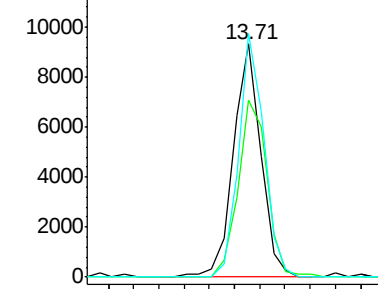


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.259 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

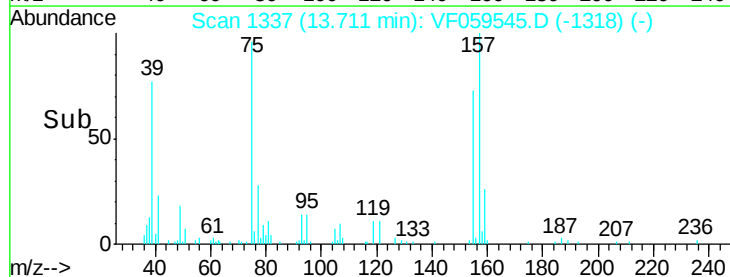
Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	32.8	98.3
157	104.4	48.5	145.5

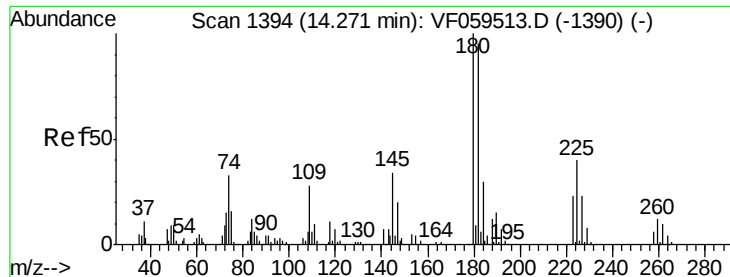


Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



Time--> 13.60 13.70

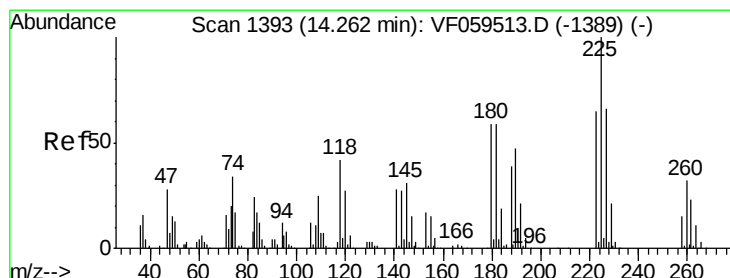
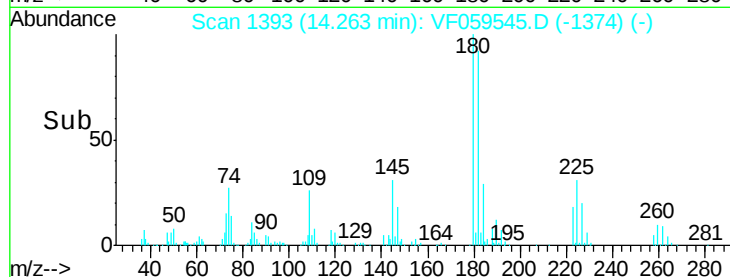
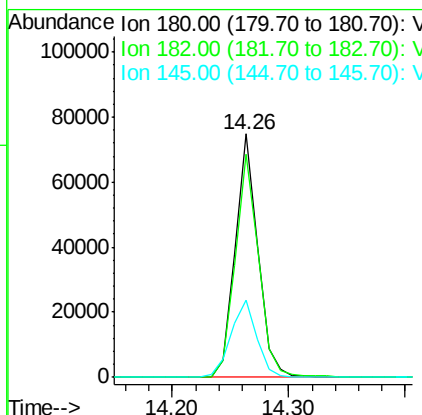
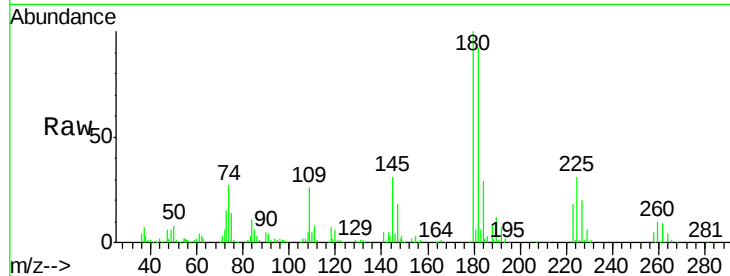




#93
 1,2,4-Trichlorobenzene
 Concen: 25.662 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

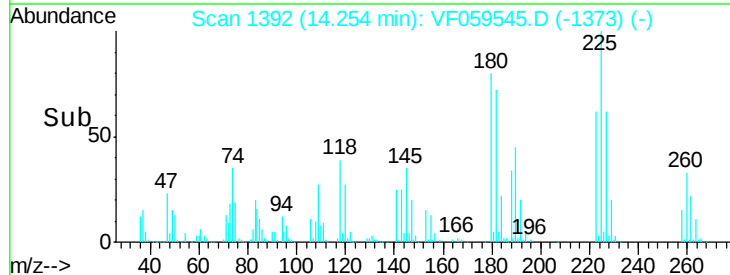
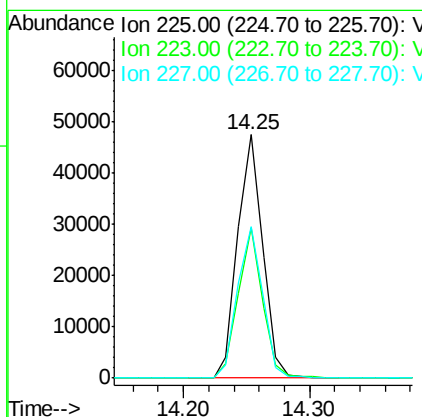
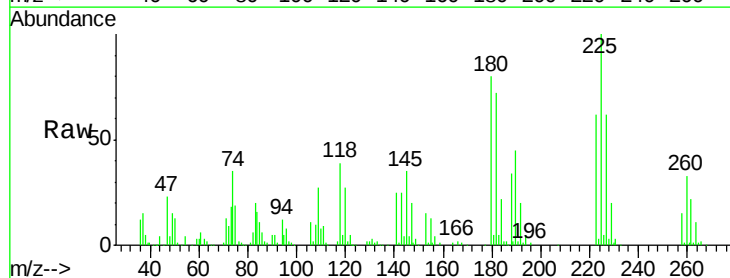
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

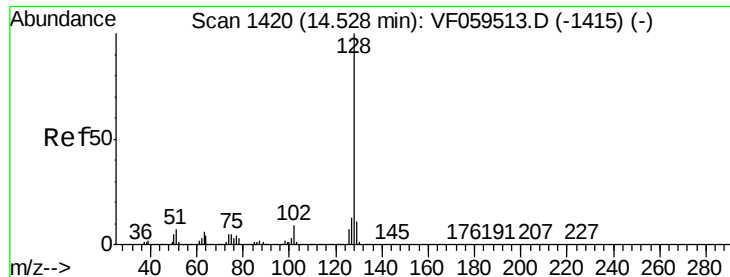
Tot Ion:180 Resp: 101353
 Ion Ratio Lower Upper
 180 100
 182 91.7 47.5 142.5
 145 31.5 17.3 51.7



#94
 Hexachlorobutadiene
 Concen: 32.066 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059545.D
 Acq: 19 Jul 2018 7:46

Tgt Ion:225 Resp: 64879
 Ion Ratio Lower Upper
 225 100
 223 61.7 32.3 96.8
 227 62.0 33.2 99.6





#95

Naphthalene

Concen: 23.281 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

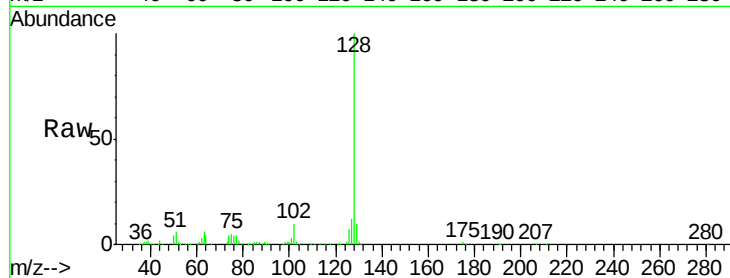
Tot Ion:128 Resp: 191018

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

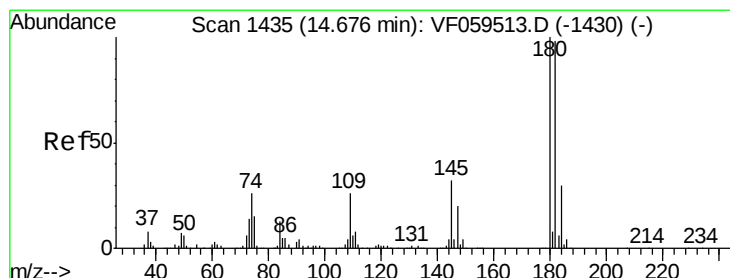
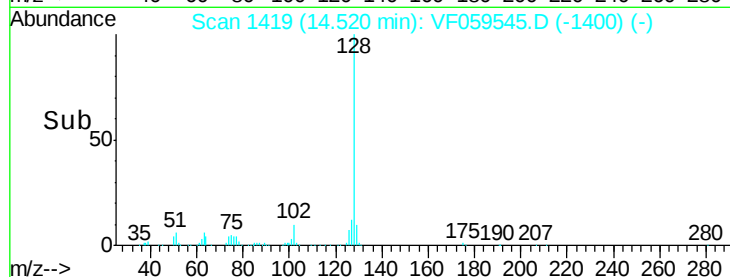
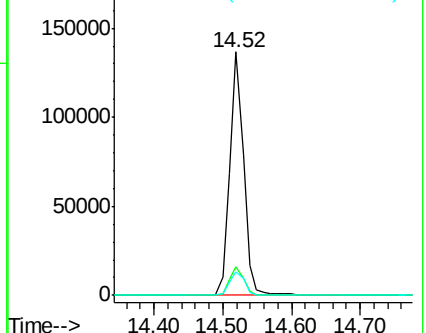
129 9.8 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 27.883 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF059545.D

Acq: 19 Jul 2018 7:46

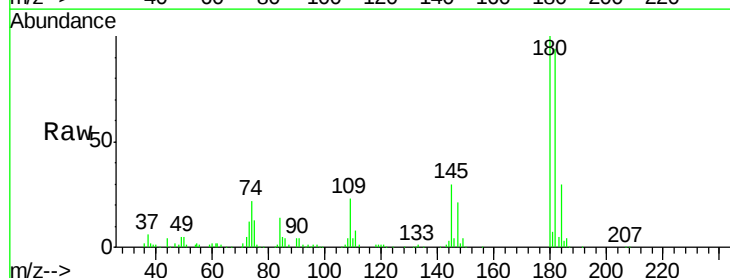
Tgt Ion:180 Resp: 99502

Ion Ratio Lower Upper

180 100

182 94.4 48.8 146.4

145 30.4 16.2 48.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

