

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059619.D
 Acq On : 23 Jul 2018 17:40
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Quant Time: Jul 24 04:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	274658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	380693	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	364113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	228180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	196257	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	4.28	113	175122	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	7.70	98	430852	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.51	95	227778	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	63969	18.562	ug/l	95
3) Chloromethane	1.08	50	33281	21.176	ug/l	95
4) Vinyl Chloride	1.15	62	39112	22.031	ug/l #	77
5) Bromomethane	1.33	94	29574	19.251	ug/l	98
6) Chloroethane	1.42	64	22180	20.471	ug/l	98
7) Trichlorofluoromethane	1.52	101	51561	10.681	ug/l	97
8) Diethyl Ether	1.69	74	13443	19.401	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	47882	19.715	ug/l	95
10) Methyl Iodide	1.95	142	85691	20.982	ug/l	98
11) Tert butyl alcohol	2.67	59	16838	95.714	ug/l #	77
12) 1,1-Dichloroethene	1.85	96	40567	21.071	ug/l	93
13) Acrolein	2.08	56	6306	71.482	ug/l	91
14) Allyl chloride	2.18	41	69414	19.916	ug/l	88
15) Acrylonitrile	3.07	53	24832	91.506	ug/l	96
16) Acetone	2.33	43	65471	88.349	ug/l	97
17) Carbon Disulfide	1.86	76	105394	21.149	ug/l	95
18) Methyl Acetate	2.53	43	39331	38.303	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	104578	18.638	ug/l	93
20) Methylene Chloride	2.27	84	40136	19.670	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	40684	20.559	ug/l	89
22) Diisopropyl ether	2.92	45	135298	21.182	ug/l #	96
23) Vinyl Acetate	3.32	43	343747	106.919	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	94615	20.666	ug/l	98
25) 2-Butanone	4.50	43	83152	108.835	ug/l	93
26) 2,2-Dichloropropane	3.75	77	76588	19.849	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	49908	22.003	ug/l	99
28) Bromochloromethane	3.88	49	32259	19.167	ug/l	82
29) Tetrahydrofuran	4.25	42	29632	95.729	ug/l	95
30) Chloroform	4.02	83	131034	20.821	ug/l	94
31) Cyclohexane	3.86	56	57785	22.683	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	110468	19.383	ug/l	93
36) 1,1-Dichloropropene	4.45	75	79086	20.512	ug/l #	89
37) Ethyl Acetate	4.28	43	33717	21.754	ug/l #	91
38) Carbon Tetrachloride	4.16	117	113773	19.125	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059619.D
 Acq On : 23 Jul 2018 17:40
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Quant Time: Jul 24 04:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	70807	22.638	ug/l #	89
40) Benzene	4.79	78	150963	21.427	ug/l	98
41) Methacrylonitrile	4.91	41	15858	19.958	ug/l #	69
42) 1,2-Dichloroethane	5.11	62	86250	18.132	ug/l	98
43) Isopropyl Acetate	7.11	43	39562	19.975	ug/l #	95
44) Trichloroethene	5.66	130	59270	21.824	ug/l	93
45) 1,2-Dichloropropane	6.39	63	41479	21.746	ug/l	90
46) Dibromomethane	6.25	93	31665	20.041	ug/l #	87
47) Bromodichloromethane	6.54	83	95910	20.002	ug/l #	94
48) Methyl methacrylate	6.86	41	28276	19.087	ug/l	96
49) 1,4-Dioxane	6.85	88	4282	451.395	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	149060	103.301	ug/l	96
52) Toluene	7.77	92	109179	20.354	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	79947	19.722	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	84091	20.927	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	35219	19.189	ug/l	92
56) Ethyl methacrylate	8.76	69	39799	19.478	ug/l	86
57) 1,3-Dichloropropane	8.99	76	66086	20.693	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	24026	101.627	ug/l	100
59) 2-Hexanone	9.62	43	110820	94.635	ug/l	100
60) Dibromochloromethane	8.85	129	63544	19.442	ug/l	97
61) 1,2-Dibromoethane	9.13	107	43782	20.812	ug/l	97
64) Tetrachloroethene	8.29	164	58623	21.680	ug/l	97
65) Chlorobenzene	9.93	112	147120	21.912	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	61027	20.060	ug/l	92
67) Ethyl Benzene	10.03	91	266547	21.834	ug/l	99
68) m/p-Xylenes	10.26	106	199170	48.005	ug/l	88
69) o-Xylene	10.83	106	100557	22.315	ug/l	91
70) Styrene	10.89	104	151234	22.376	ug/l	95
71) Bromoform	10.88	173	36875	19.562	ug/l	98
73) Isopropylbenzene	11.22	105	317056	21.877	ug/l	98
74) N-amyl acetate	11.46	43	65230	20.016	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	48007	19.732	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	41952	19.738	ug/l	89
77) Bromobenzene	11.59	156	81592	21.730	ug/l	86
78) n-propylbenzene	11.68	91	376501	21.679	ug/l	98
79) 2-Chlorotoluene	11.81	91	226352	21.747	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	277566	21.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	23105	27.408	ug/l	89
82) 4-Chlorotoluene	11.99	91	241294	20.842	ug/l	88
83) tert-Butylbenzene	12.21	119	266648	20.786	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	282727	21.422	ug/l	97
85) sec-Butylbenzene	12.38	105	359344	21.672	ug/l	99
86) p-Isopropyltoluene	12.53	119	321592	22.037	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	148263	20.592	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	143851	21.295	ug/l	100
89) n-Butylbenzene	12.92	91	307063	22.022	ug/l	98
90) Hexachloroethane	12.99	117	72457	20.041	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	135879	20.247	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11555	19.732	ug/l	92

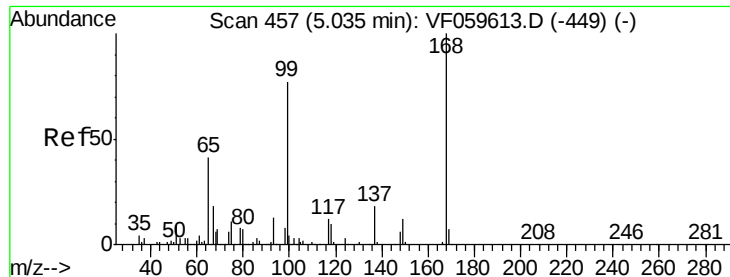
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
Data File : VF059619.D
Acq On : 23 Jul 2018 17:40
Operator : VA/AP
Sample : VF0723SBS01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 90 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Quant Time: Jul 24 04:49:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	107516	21.434	ug/l	95
94) Hexachlorobutadiene	14.26	225	73503	21.049	ug/l	94
95) Naphthalene	14.52	128	163172	20.029	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	93982	20.610	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

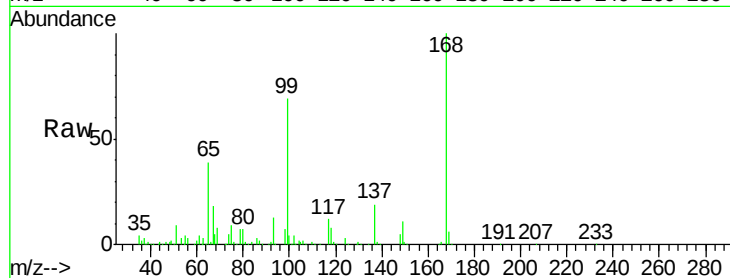
VF0723SBS01

Tgt Ion:168 Resp: 274658

Ion Ratio Lower Upper

168 100

99 69.3 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

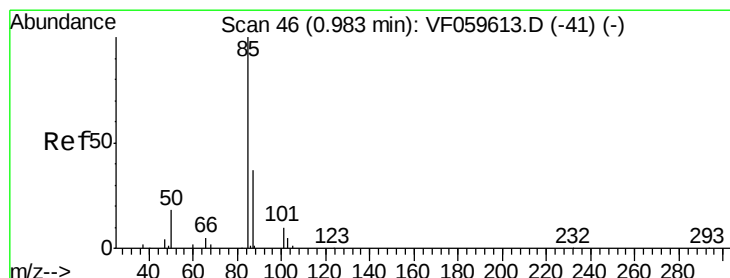
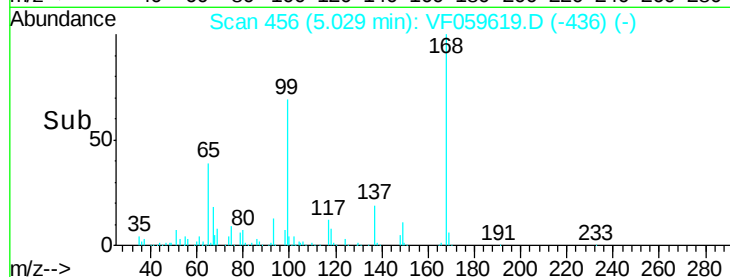
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.562 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059619.D

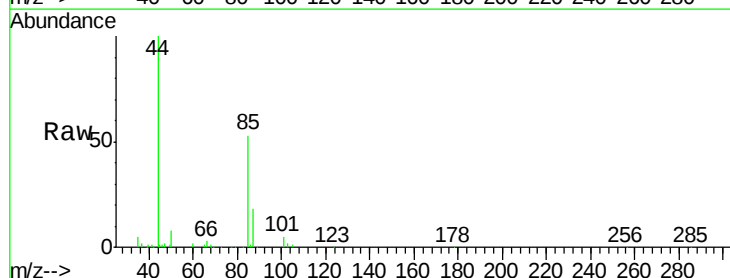
Acq: 23 Jul 2018 17:40

Tgt Ion: 85 Resp: 63969

Ion Ratio Lower Upper

85 100

87 33.8 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

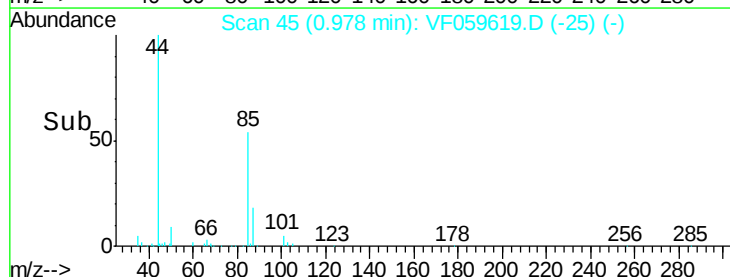
15000

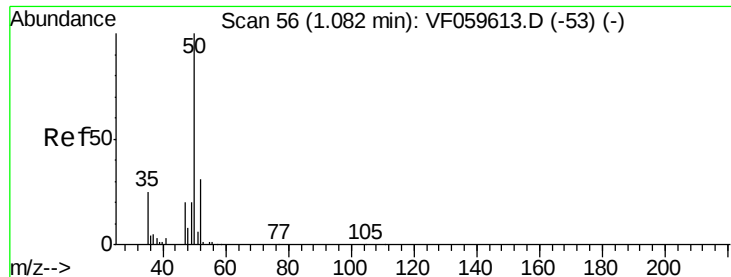
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.176 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

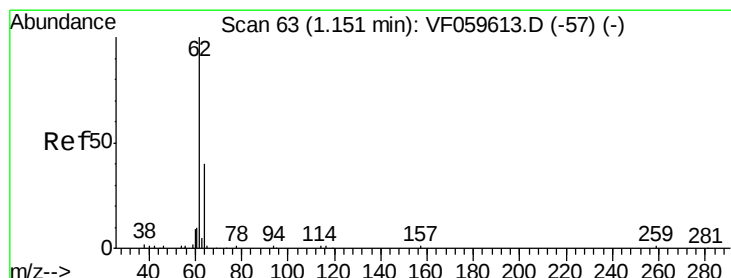
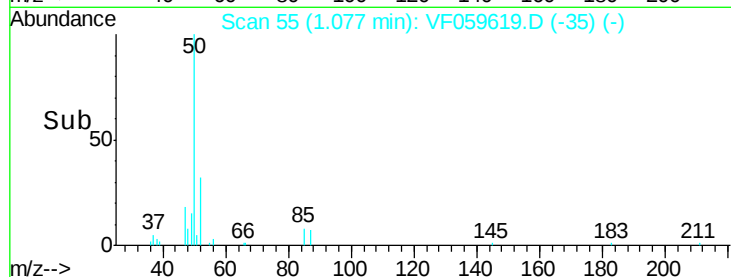
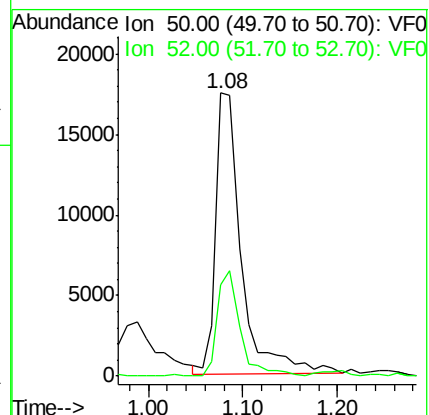
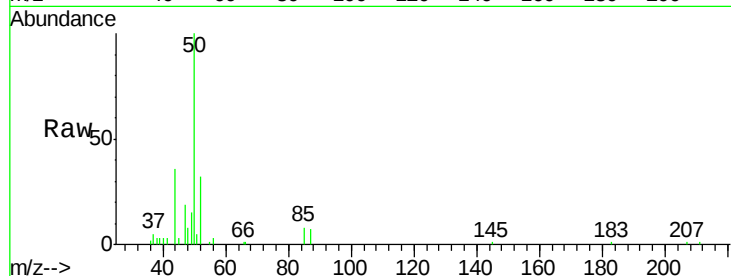
VF0723SBS01

Tgt Ion: 50 Resp: 33281

Ion Ratio Lower Upper

50 100

52 32.1 23.7 35.5



#4

Vinyl Chloride

Concen: 22.031 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059619.D

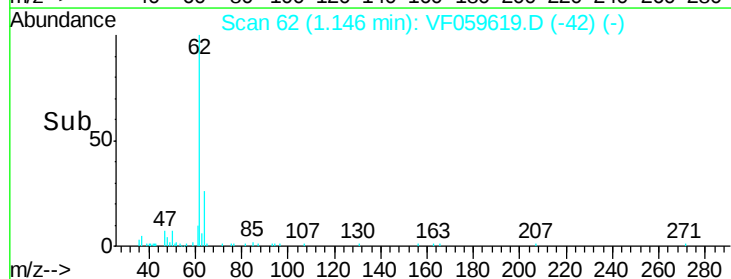
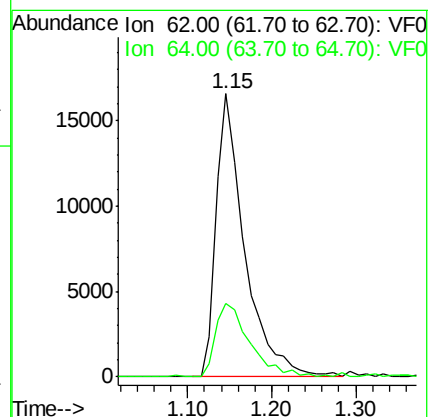
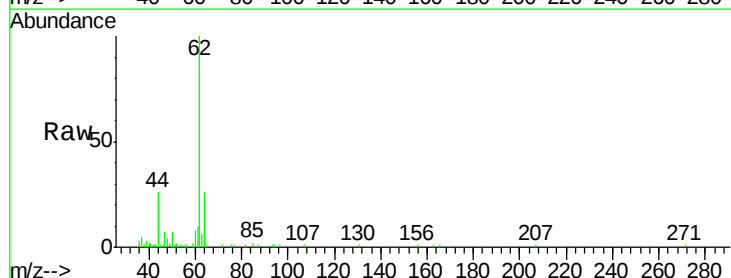
Acq: 23 Jul 2018 17:40

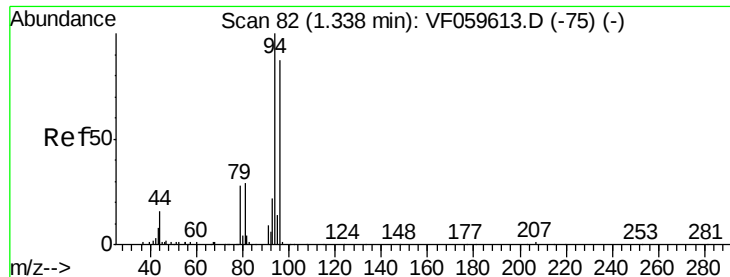
Tgt Ion: 62 Resp: 39112

Ion Ratio Lower Upper

62 100

64 25.9 32.2 48.4#





#5

Bromomethane

Concen: 19.251 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

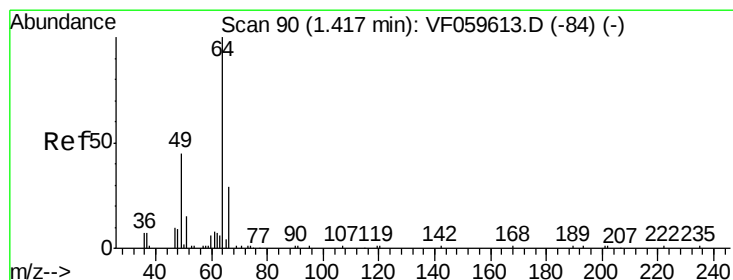
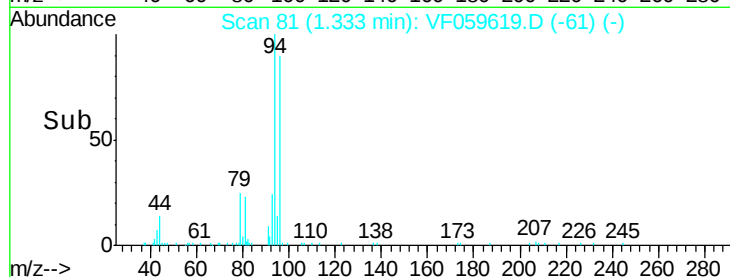
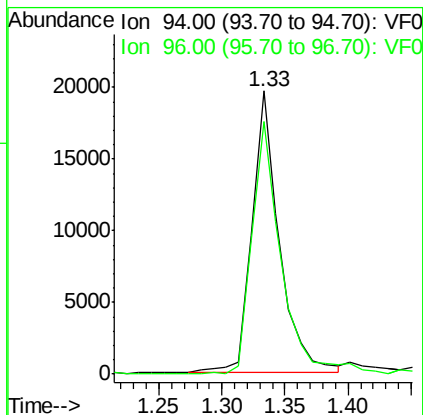
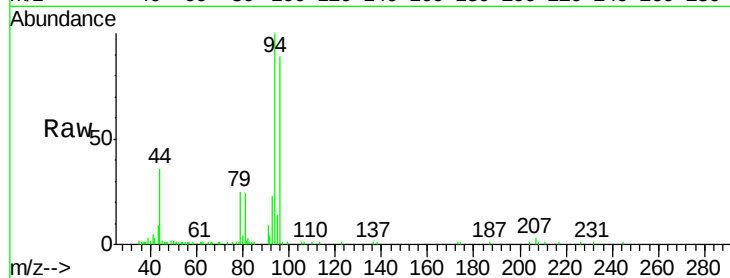
VF0723SBS01

Tgt Ion: 94 Resp: 29574

Ion Ratio Lower Upper

94 100

96 89.3 69.8 104.8



#6

Chloroethane

Concen: 20.471 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059619.D

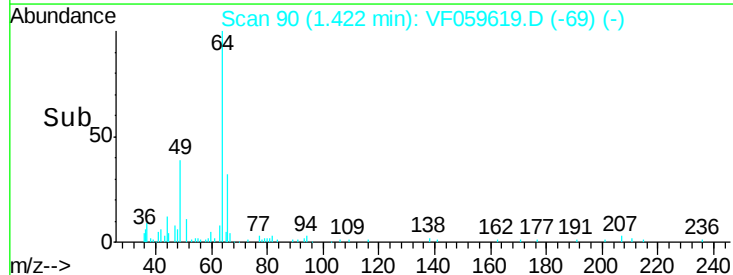
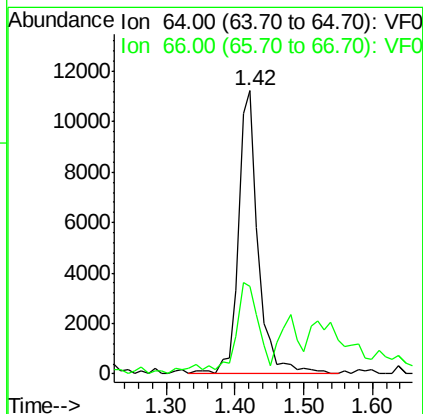
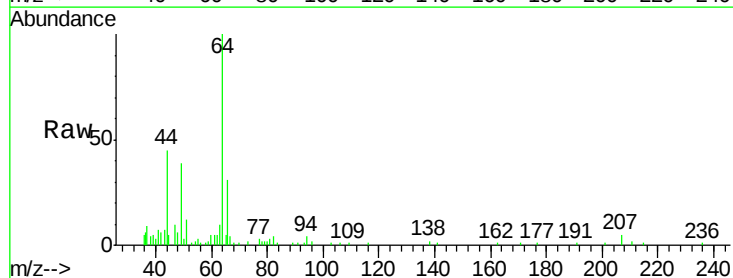
Acq: 23 Jul 2018 17:40

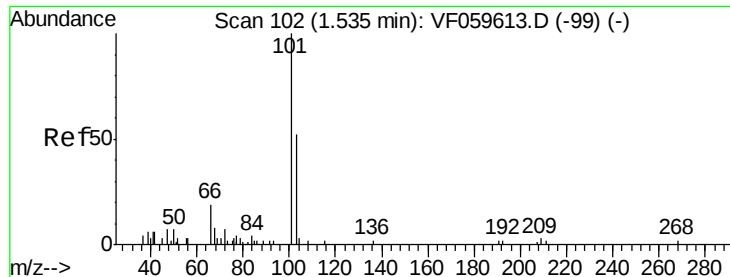
Tgt Ion: 64 Resp: 22180

Ion Ratio Lower Upper

64 100

66 30.9 23.7 35.5



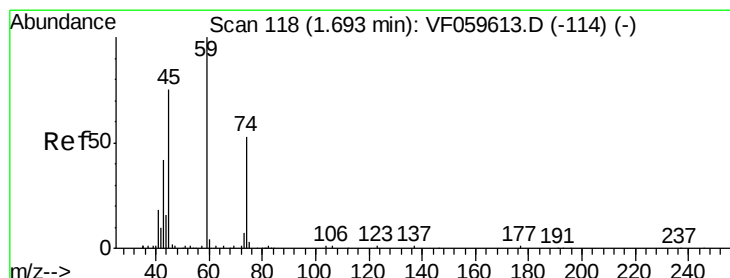
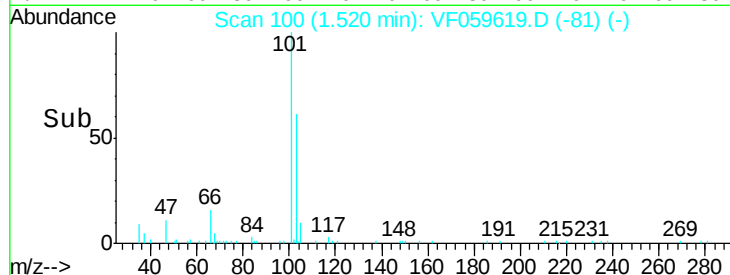
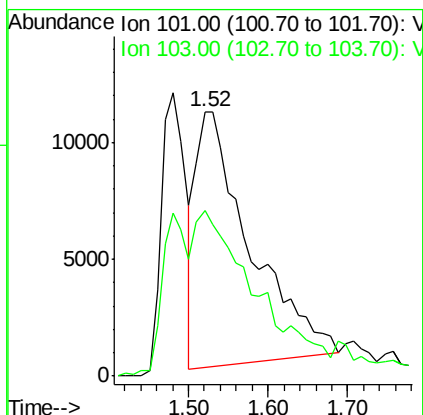
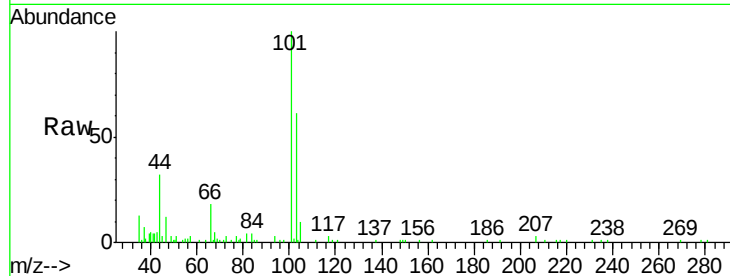


#7

Trichlorofluoromethane
 Concen: 10.681 ug/l
 RT: 1.52 min Scan# 100
 Delta R.T. -0.02 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

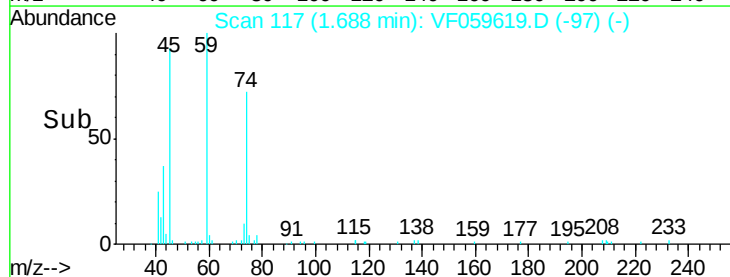
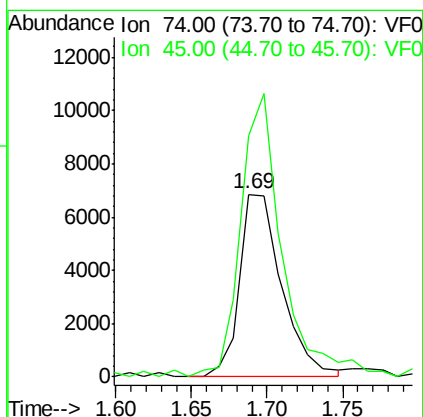
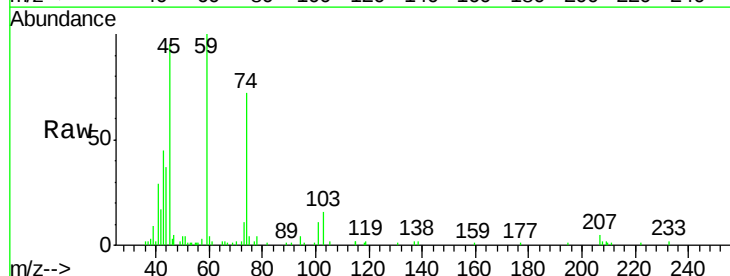
Tgt Ion: 101 Resp: 51561
 Ion Ratio Lower Upper
 101 100
 103 62.5 48.2 72.4

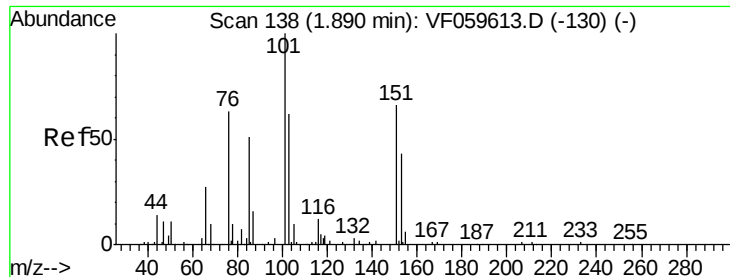


#8

Diethyl Ether
 Concen: 19.401 ug/l
 RT: 1.69 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion: 74 Resp: 13443
 Ion Ratio Lower Upper
 74 100
 45 132.1 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.715 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

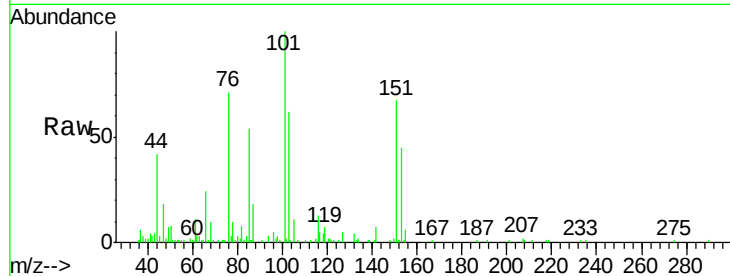
Tgt Ion:101 Resp: 47882

Ion Ratio Lower Upper

101 100

85 55.0 40.2 60.2

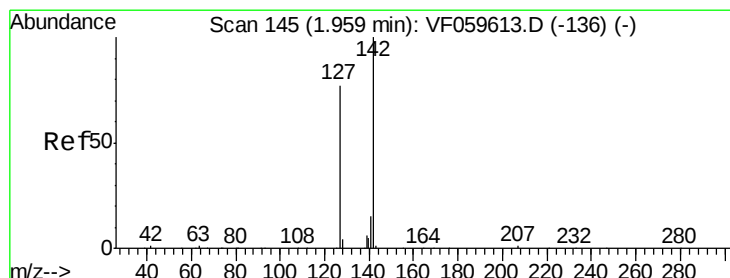
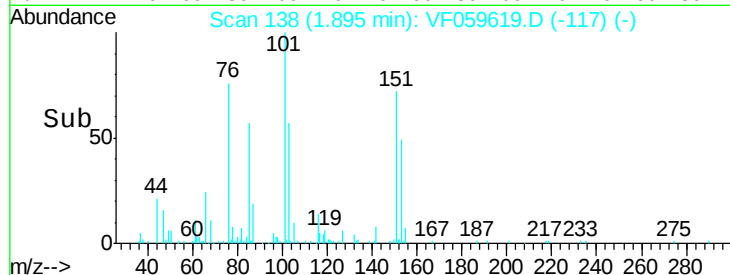
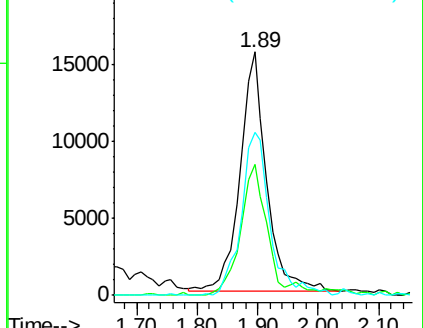
151 67.1 51.4 77.2



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: 20.982 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

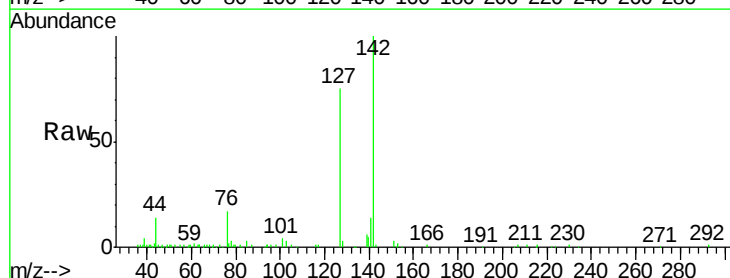
Tgt Ion:142 Resp: 85691

Ion Ratio Lower Upper

142 100

127 75.2 61.2 91.8

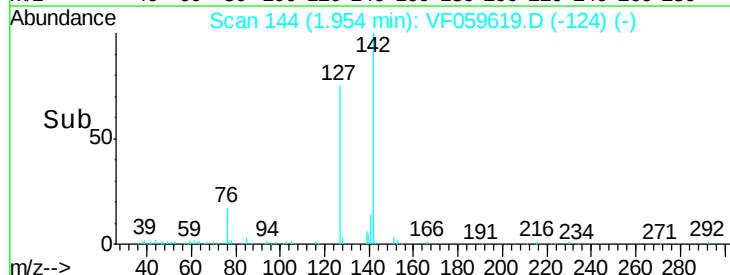
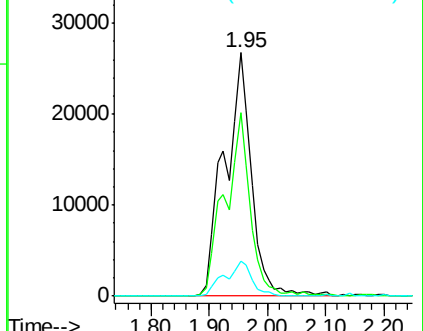
141 14.2 12.0 18.0

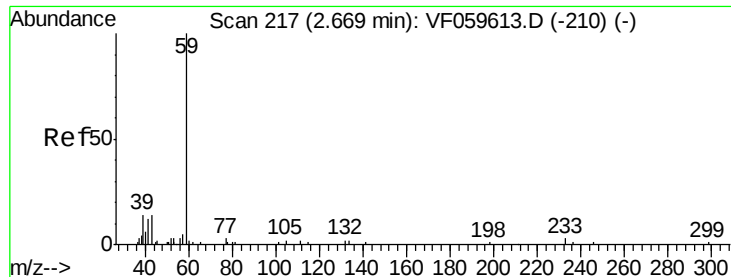


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

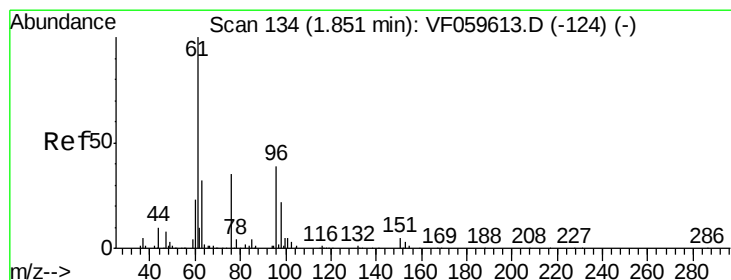
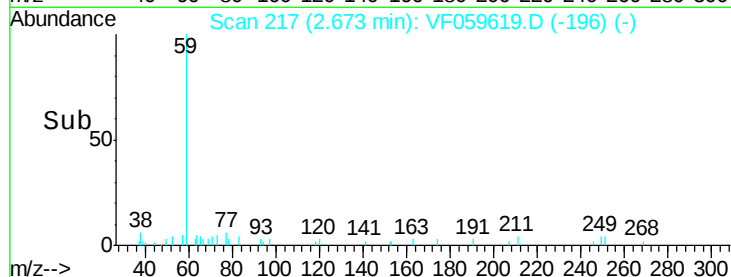
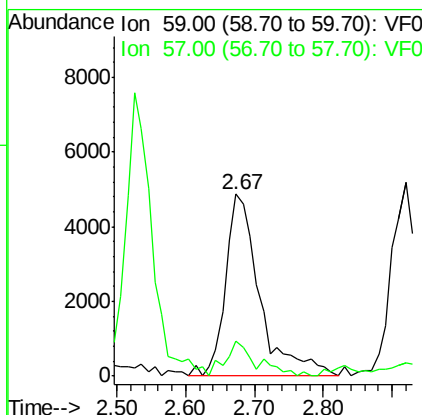
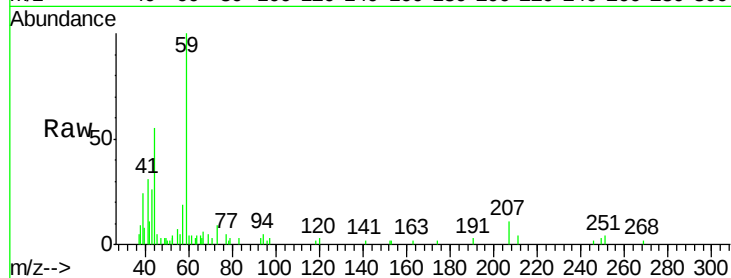




#11
Tert butyl alcohol
Concen: 95.714 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

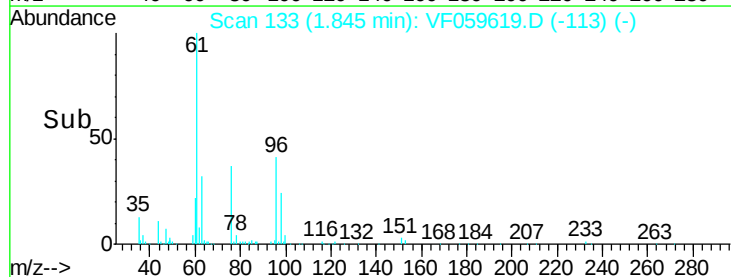
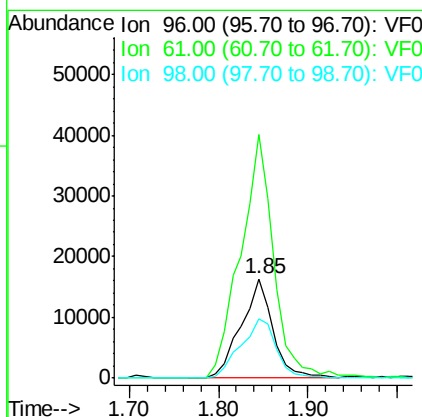
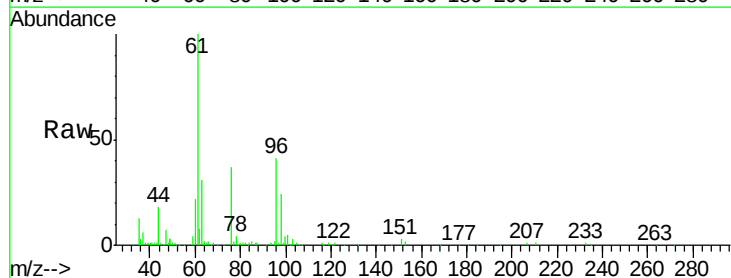
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

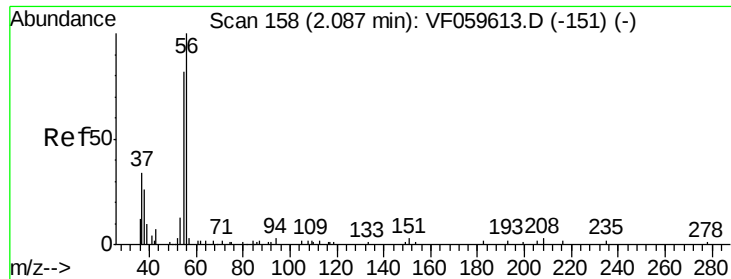
Tgt Ion: 59 Resp: 16838
Ion Ratio Lower Upper
59 100
57 19.5 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 21.071 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 96 Resp: 40567
Ion Ratio Lower Upper
96 100
61 244.7 207.2 310.8
98 59.0 45.5 68.3

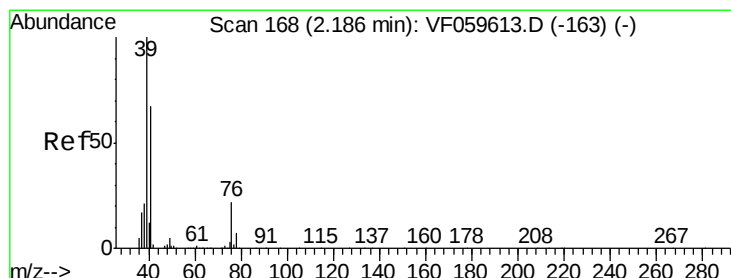
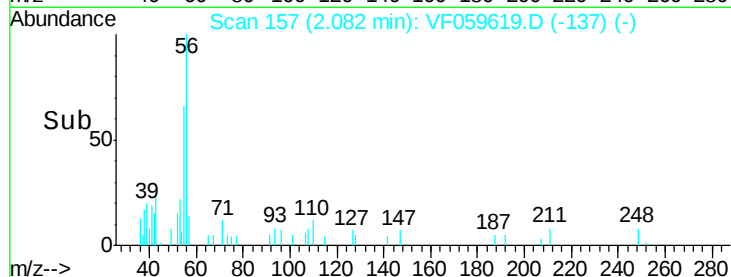
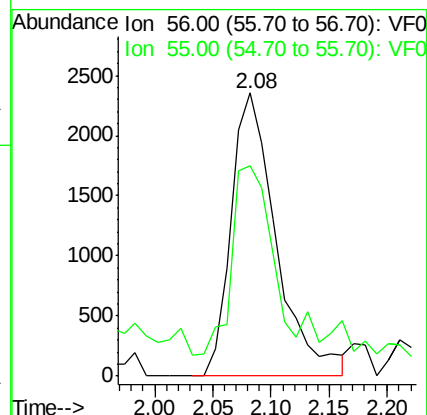
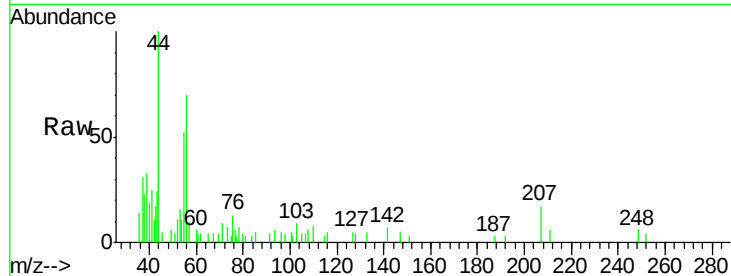




#13
Acrolein
Concen: 71.482 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

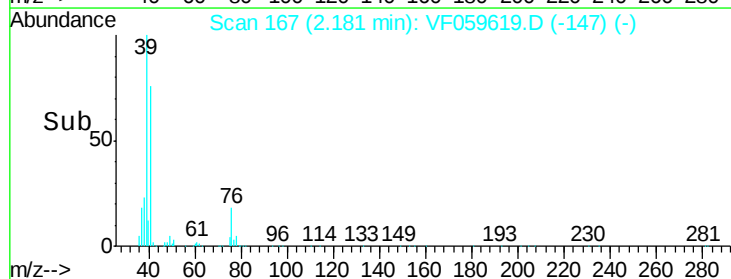
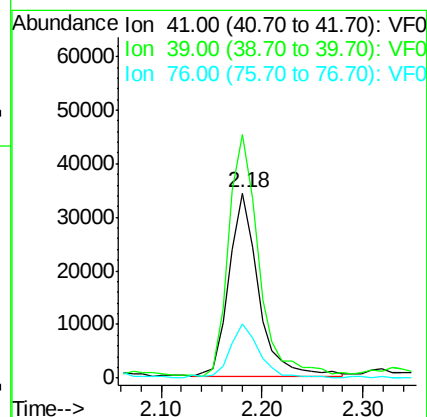
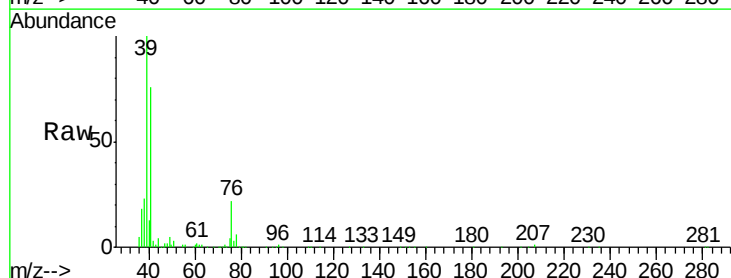
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

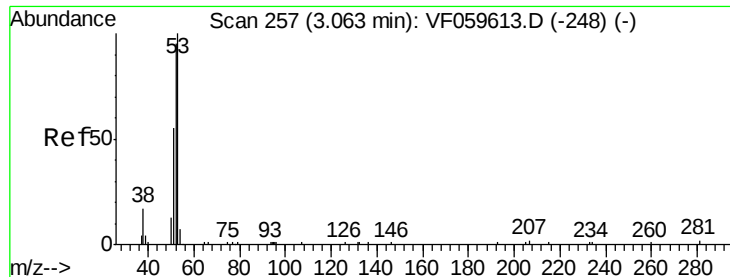
Tgt Ion: 56 Resp: 6306
Ion Ratio Lower Upper
56 100
55 74.1 65.6 98.4



#14
Allyl chloride
Concen: 19.916 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 41 Resp: 69414
Ion Ratio Lower Upper
41 100
39 131.5 119.0 178.4
76 29.2 26.3 39.5





#15

Acrylonitrile

Concen: 91.506 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

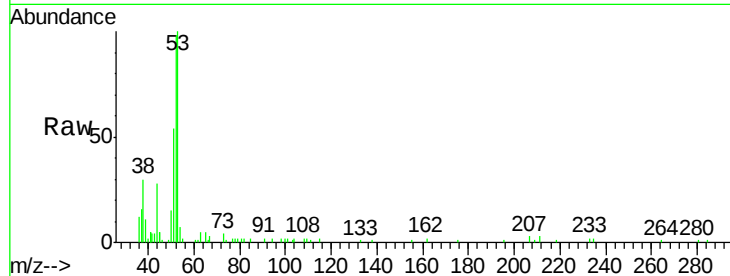
Tgt Ion: 53 Resp: 24832

Ion Ratio Lower Upper

53 100

52 98.3 76.2 114.2

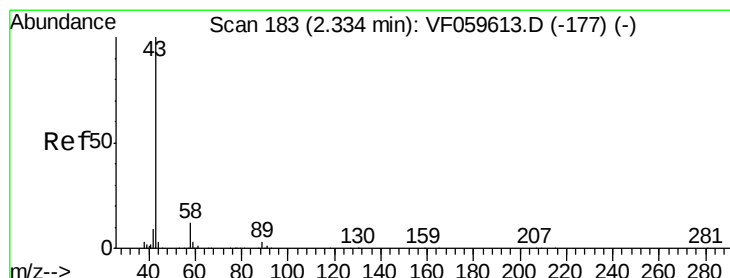
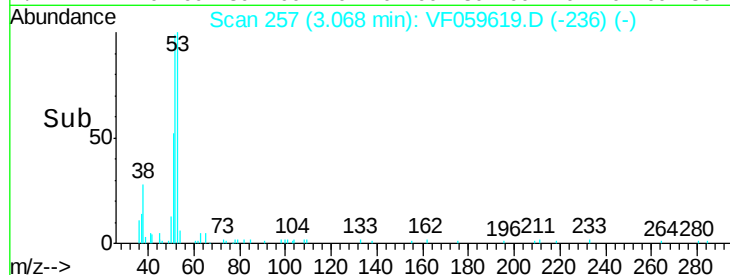
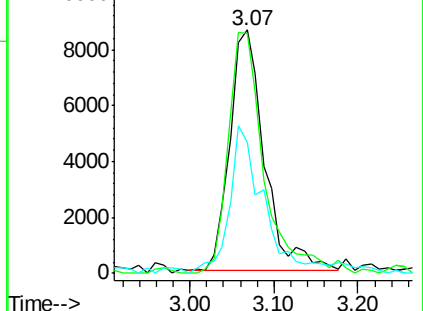
51 54.0 45.8 68.8



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: 88.349 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059619.D

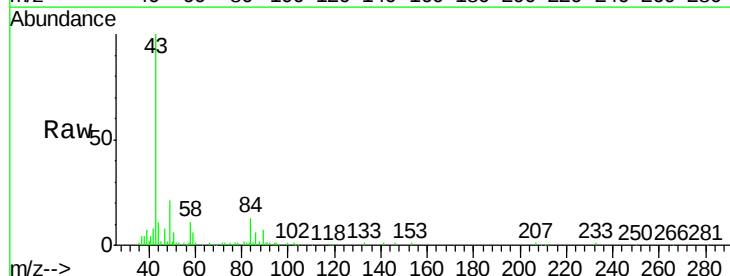
Acq: 23 Jul 2018 17:40

Tgt Ion: 43 Resp: 65471

Ion Ratio Lower Upper

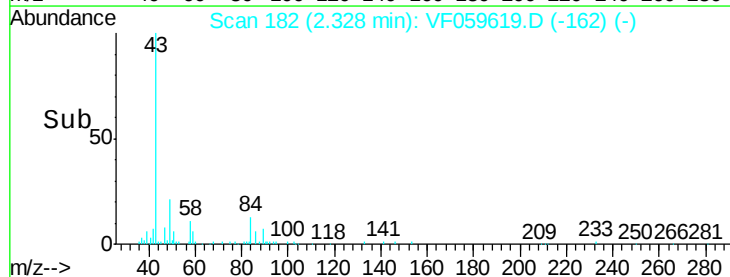
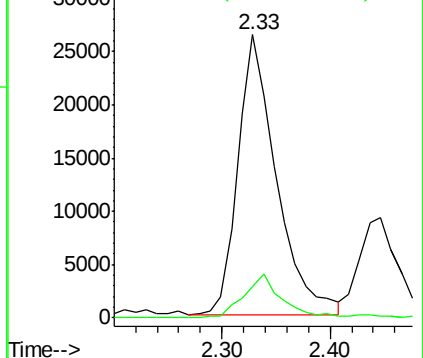
43 100

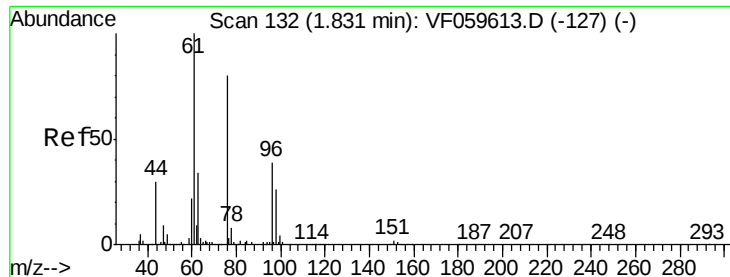
58 11.1 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

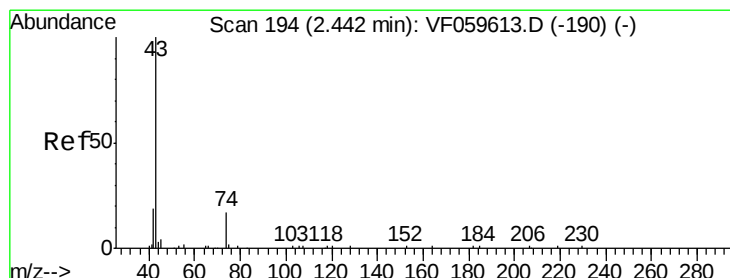
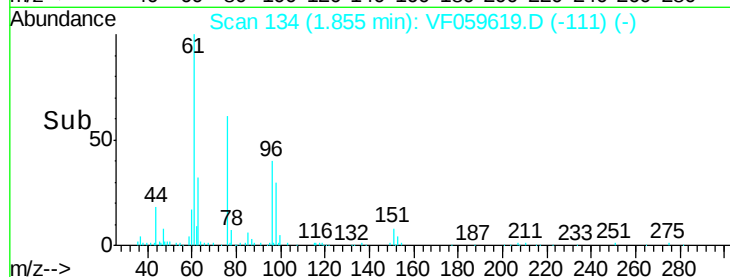
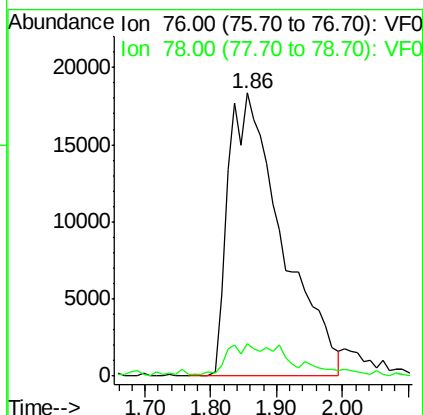
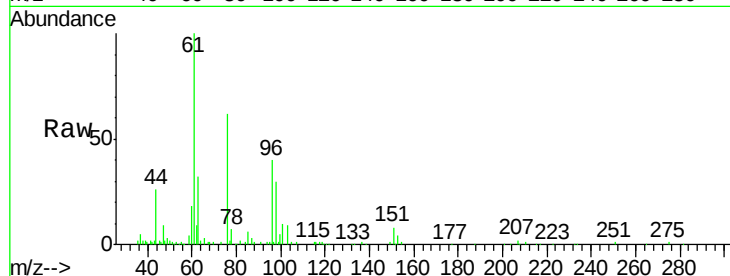




#17
Carbon Disulfide
Concen: 21.149 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

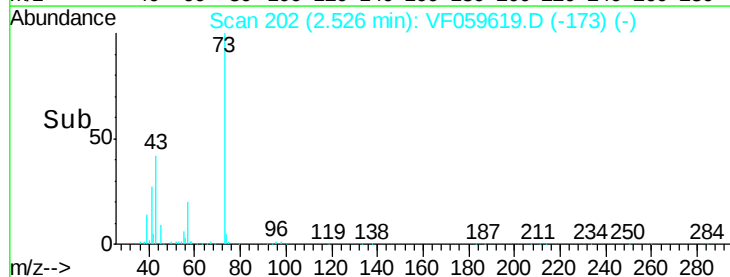
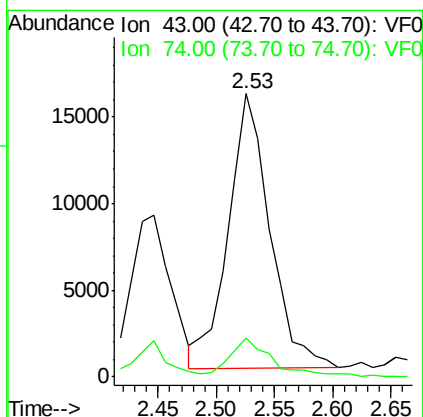
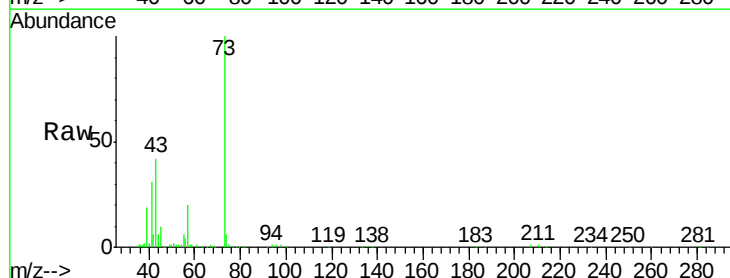
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

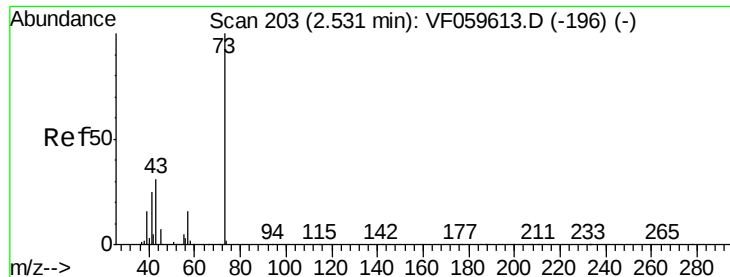
Tgt Ion: 76 Resp: 105394
Ion Ratio Lower Upper
76 100
78 11.5 7.7 11.5



#18
Methyl Acetate
Concen: 38.303 ug/l
RT: 2.53 min Scan# 202
Delta R.T. 0.08 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 43 Resp: 39331
Ion Ratio Lower Upper
43 100
74 13.5 11.4 17.0



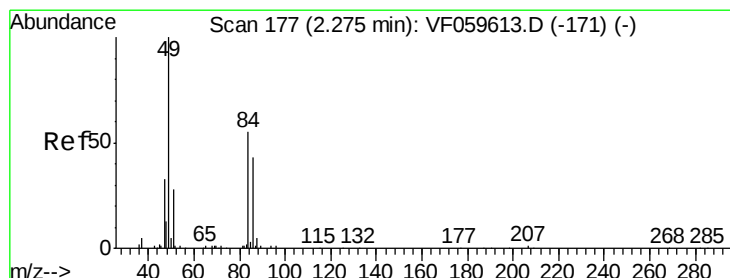
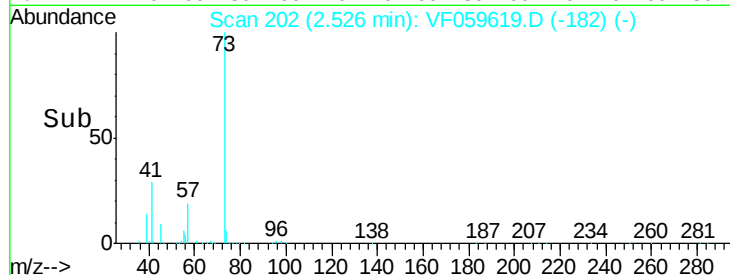
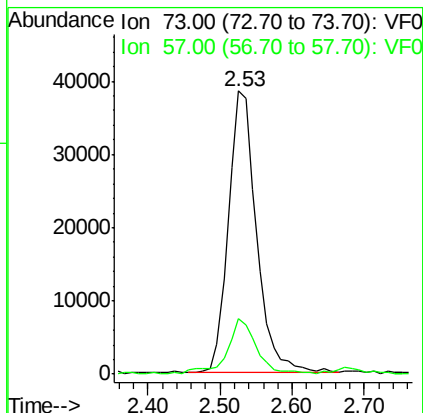
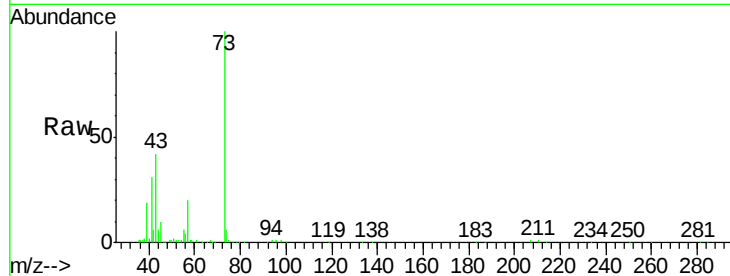


#19

Methyl tert-butyl Ether
 Concen: 18.638 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

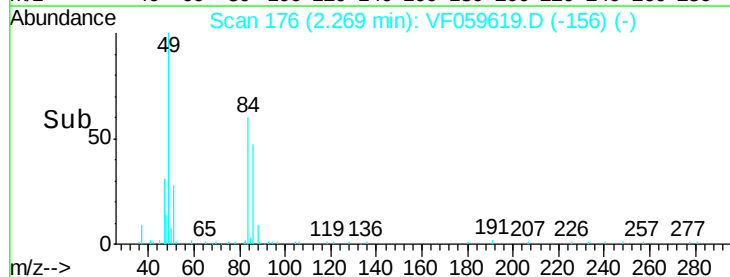
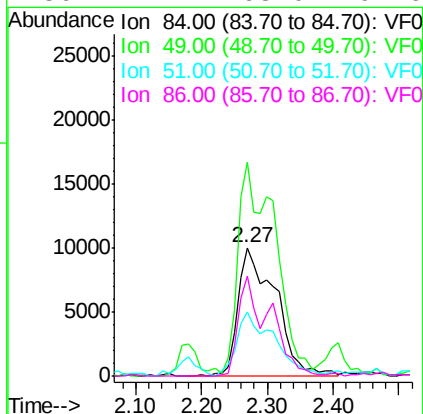
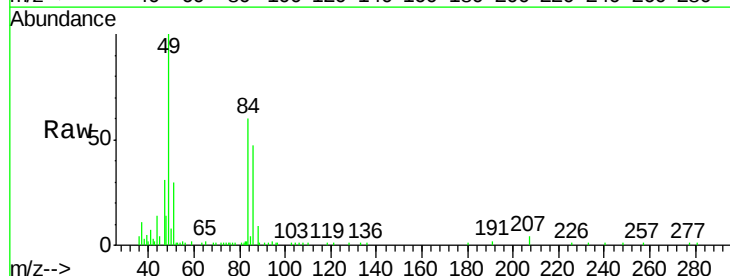
Tgt Ion: 73 Resp: 104578
 Ion Ratio Lower Upper
 73 100
 57 19.6 13.2 19.8

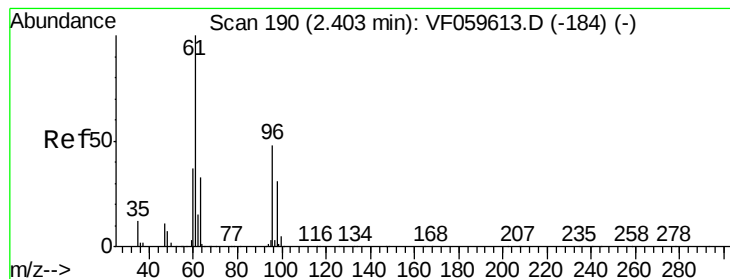


#20

Methylene Chloride
 Concen: 19.670 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion: 84 Resp: 40136
 Ion Ratio Lower Upper
 84 100
 49 166.9 148.6 222.8
 51 50.2 42.7 64.1
 86 77.7 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 20.559 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

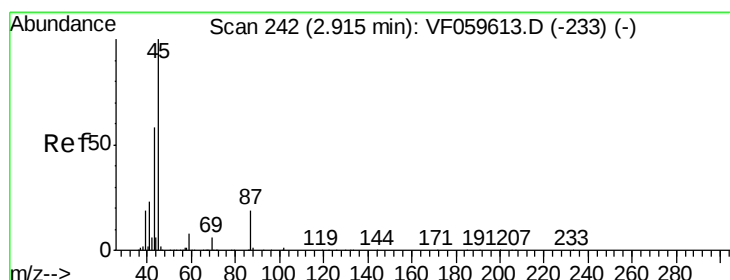
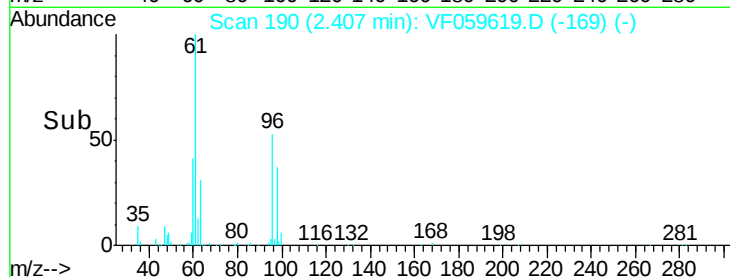
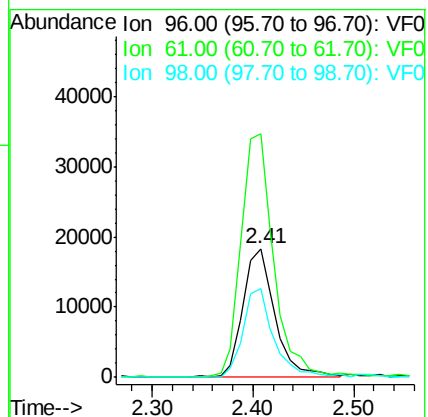
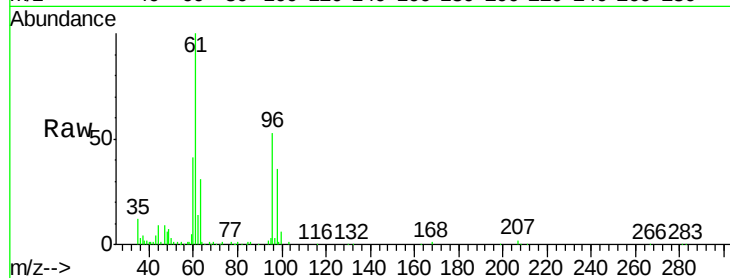
Tgt Ion: 96 Resp: 40684

Ion Ratio Lower Upper

96 100

61 189.2 167.0 250.6

98 69.0 51.8 77.8



#22

Diisopropyl ether

Concen: 21.182 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion: 45 Resp: 135298

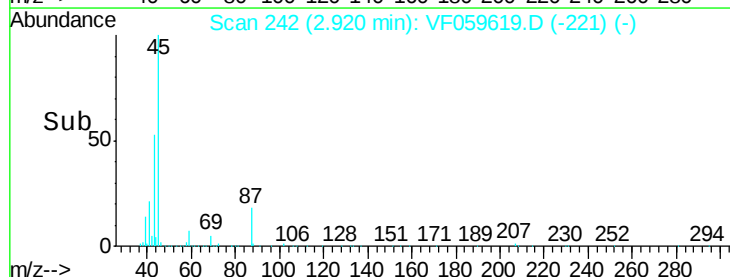
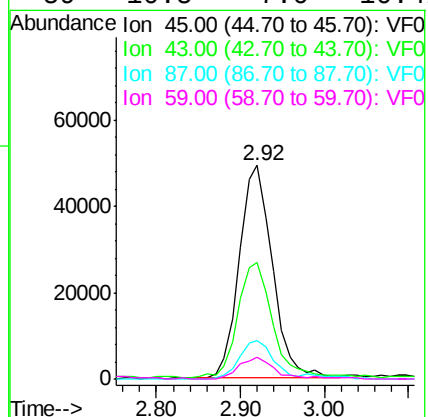
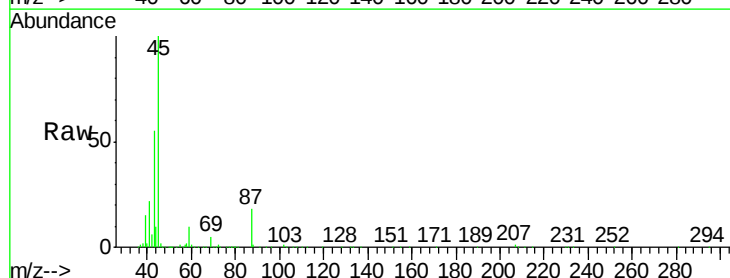
Ion Ratio Lower Upper

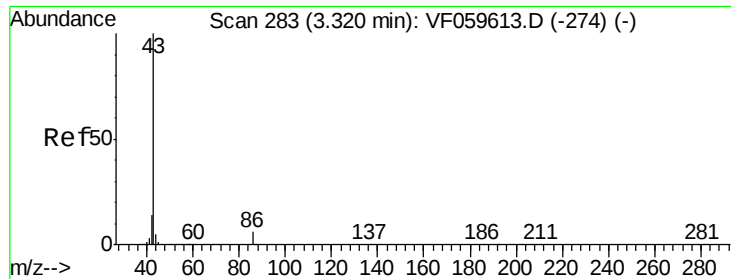
45 100

43 54.8 46.7 70.1

87 18.0 15.0 22.6

59 10.5 7.0 10.4#





#23

Vinyl Acetate

Concen: 106.919 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

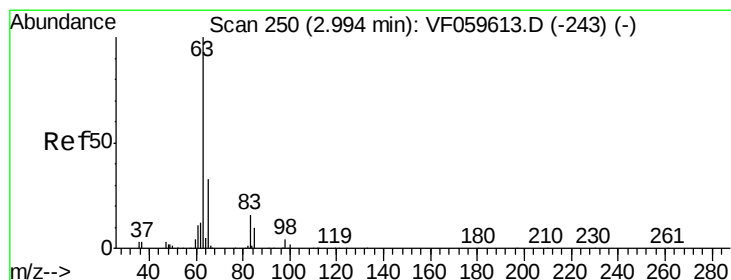
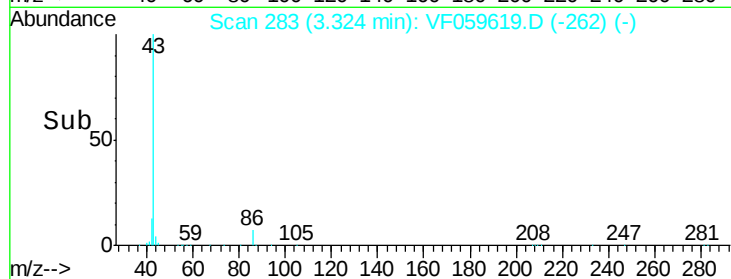
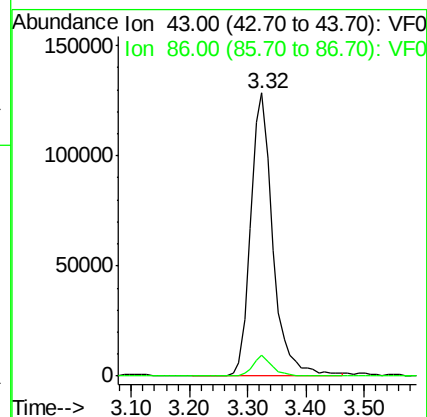
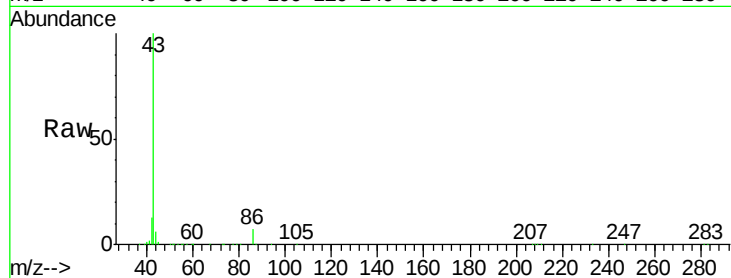
VF0723SBS01

Tgt Ion: 43 Resp: 343747

Ion Ratio Lower Upper

43 100

86 7.4 4.6 6.8#



#24

1,1-Dichloroethane

Concen: 20.666 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

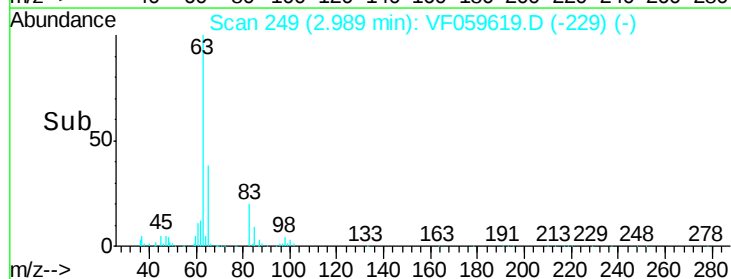
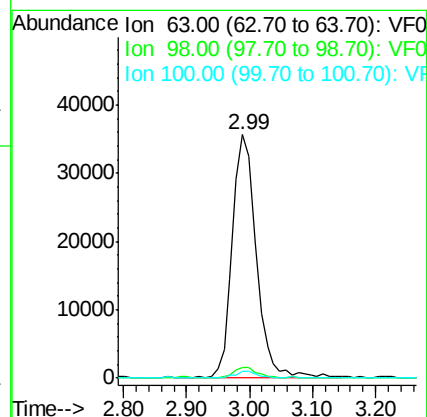
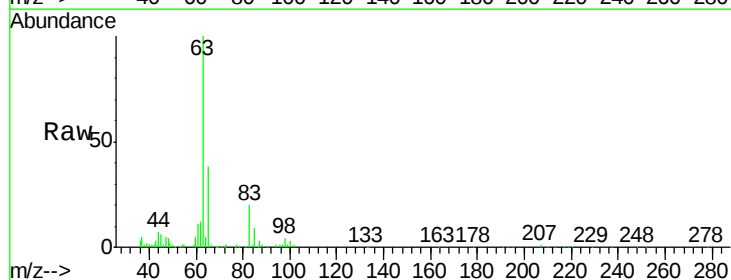
Tgt Ion: 63 Resp: 94615

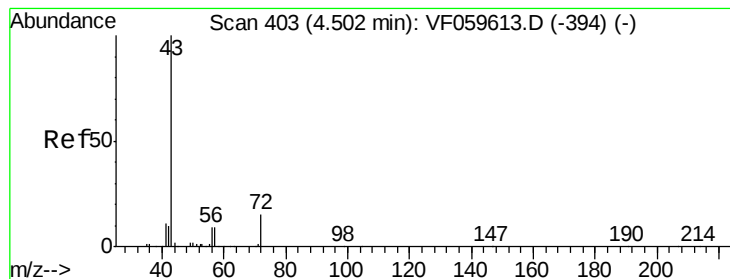
Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

100 3.1 1.2 3.6





#25

2-Butanone

Concen: 108.835 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

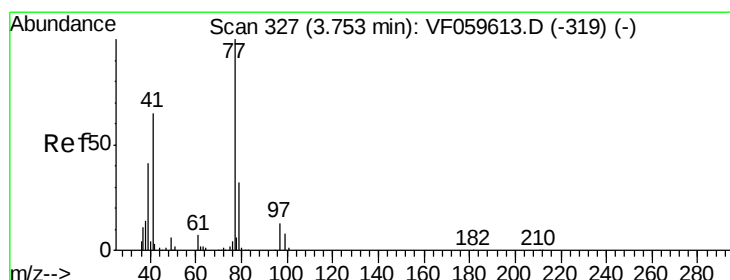
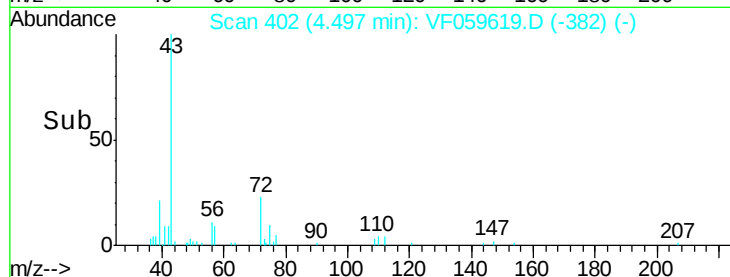
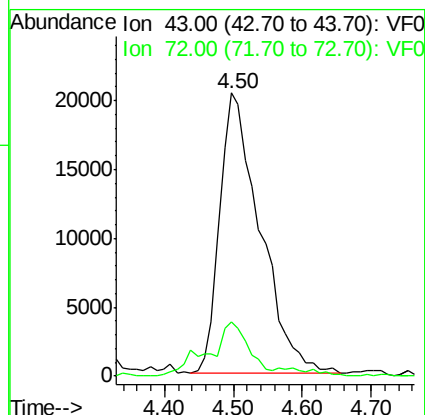
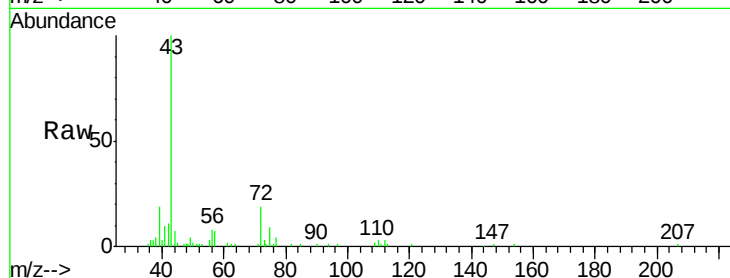
VF0723SBS01

Tgt Ion: 43 Resp: 83152

Ion Ratio Lower Upper

43 100

72 19.0 12.9 19.3



#26

2,2-Dichloropropane

Concen: 19.849 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059619.D

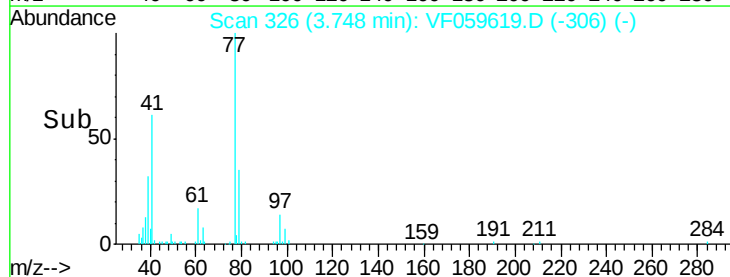
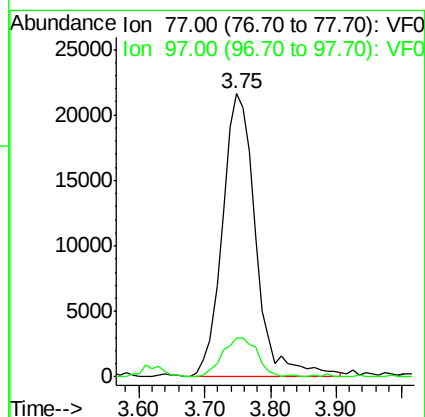
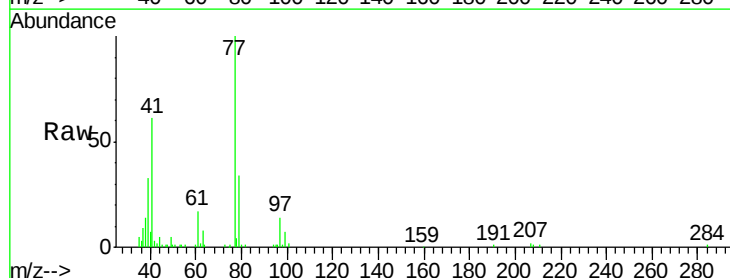
Acq: 23 Jul 2018 17:40

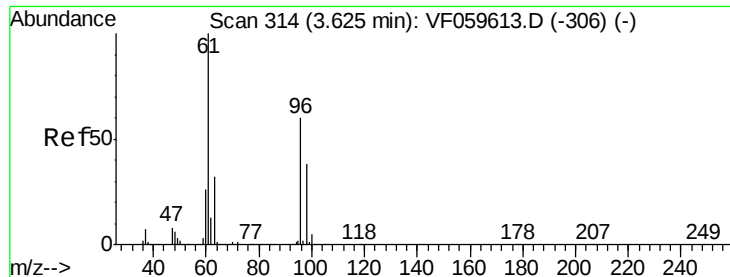
Tgt Ion: 77 Resp: 76588

Ion Ratio Lower Upper

77 100

97 13.6 7.1 21.3



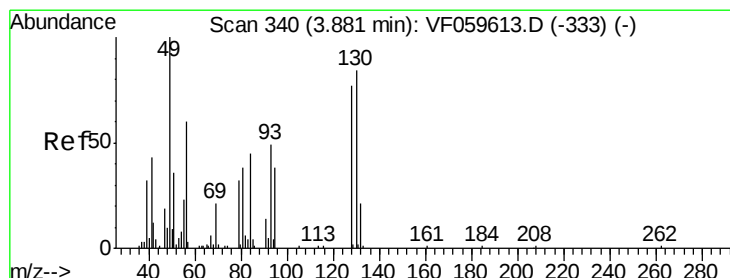
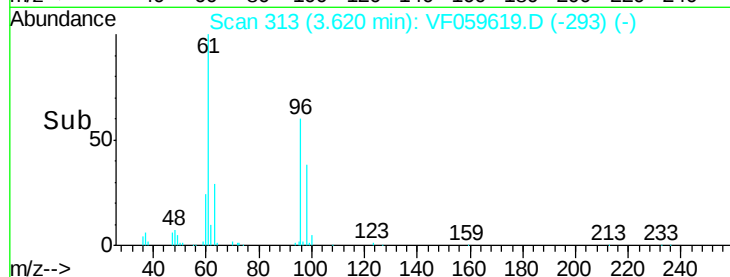
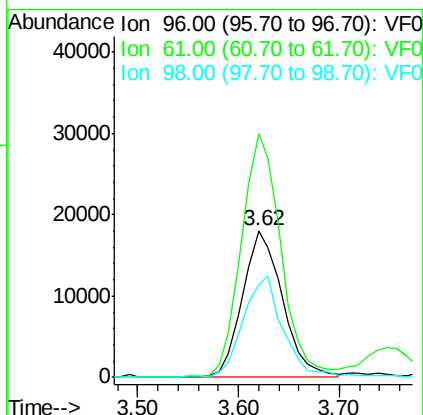
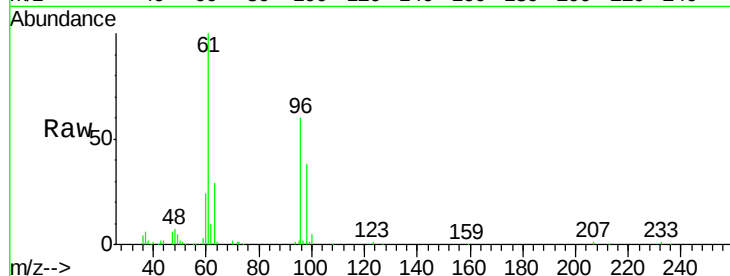


#27

cis-1,2-Dichloroethene
Concen: 22.003 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

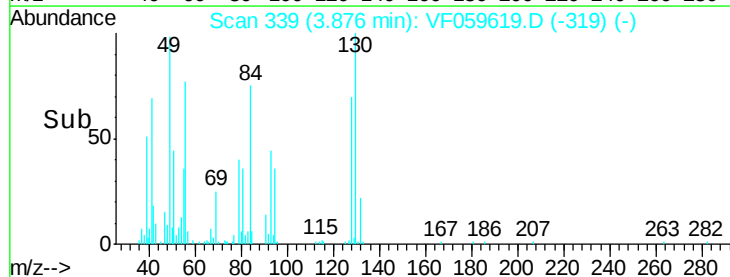
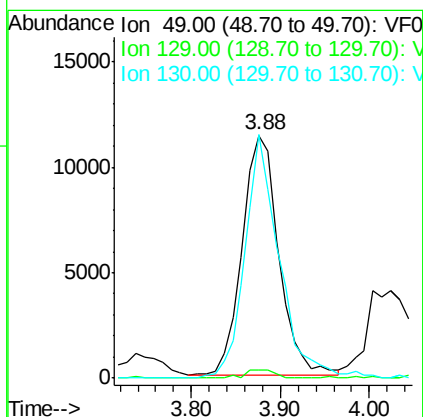
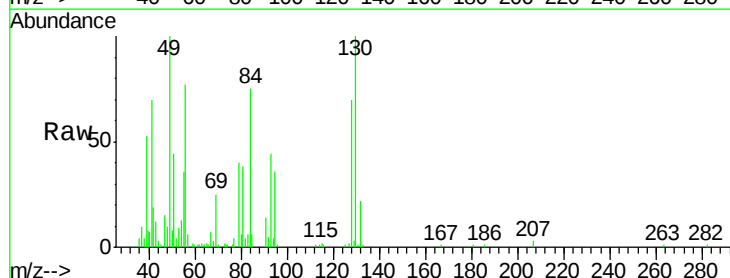
Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	335.2
98	63.5	0.0	126.6

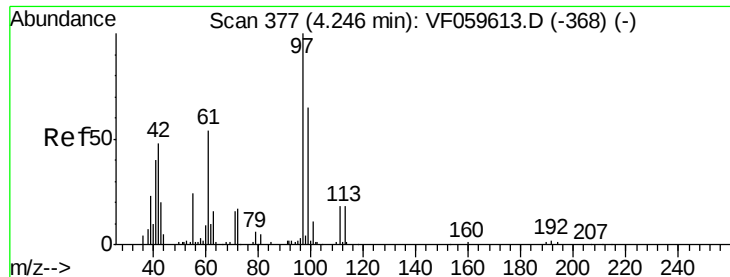


#28

Bromochloromethane
Concen: 19.167 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.6
130	100.4	67.1	100.7

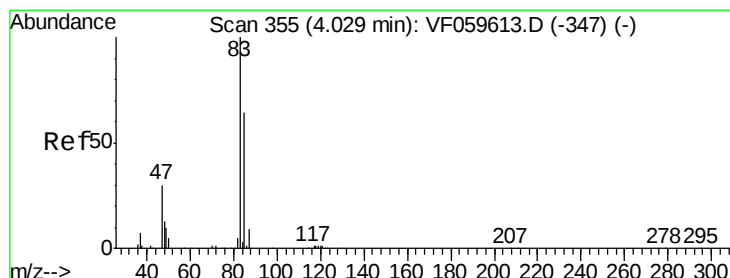
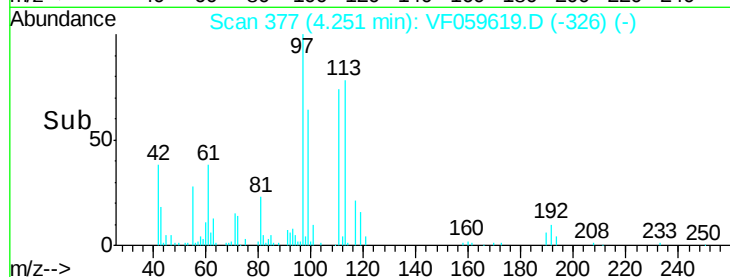
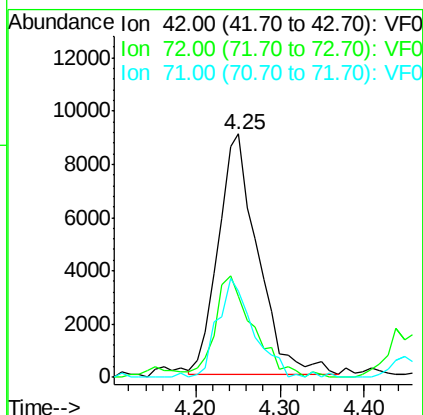
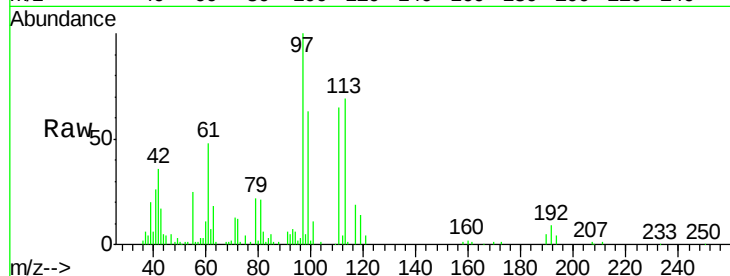




#29
Tetrahydrofuran
Concen: 95.729 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

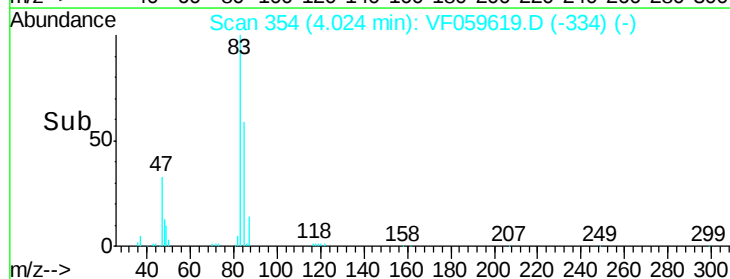
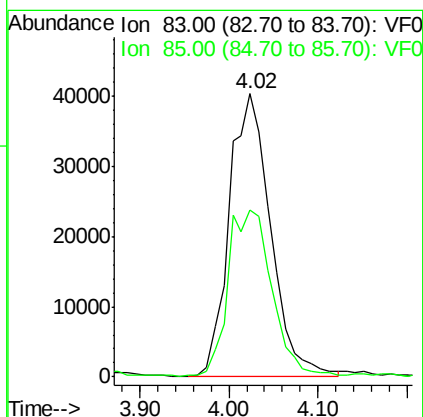
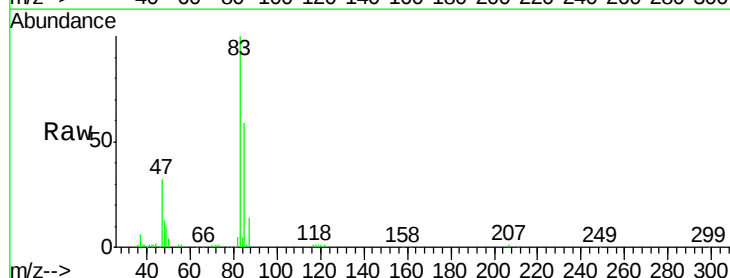
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

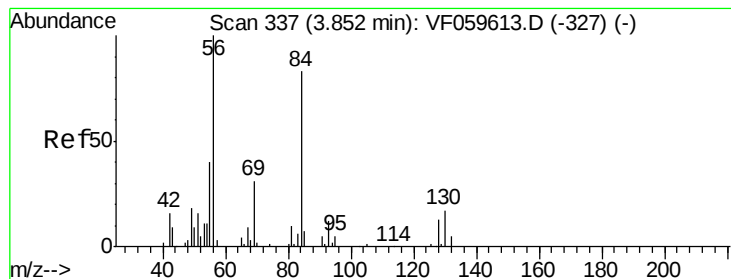
Tgt Ion: 42 Resp: 29632
Ion Ratio Lower Upper
42 100
72 40.3 27.9 41.9
71 37.3 29.3 43.9



#30
Chloroform
Concen: 20.821 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 83 Resp: 131034
Ion Ratio Lower Upper
83 100
85 59.1 51.1 76.7





#31

Cyclohexane

Concen: 22.683 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

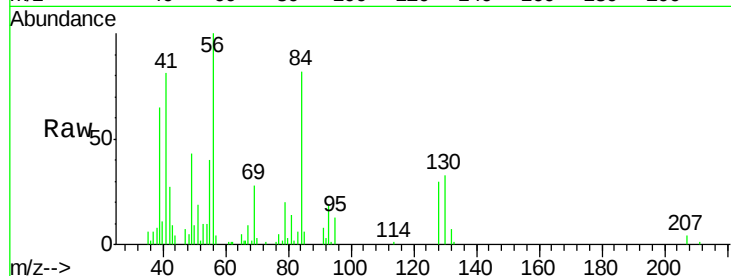
Tgt Ion: 56 Resp: 57785

Ion Ratio Lower Upper

56 100

69 28.2 24.6 37.0

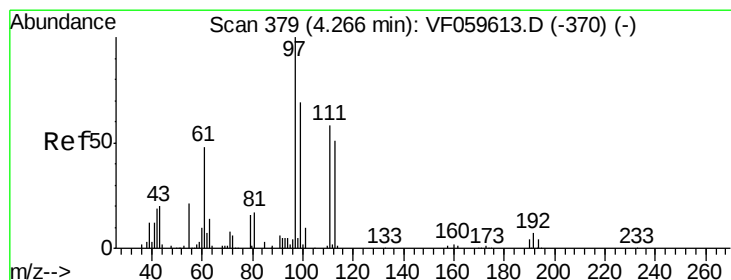
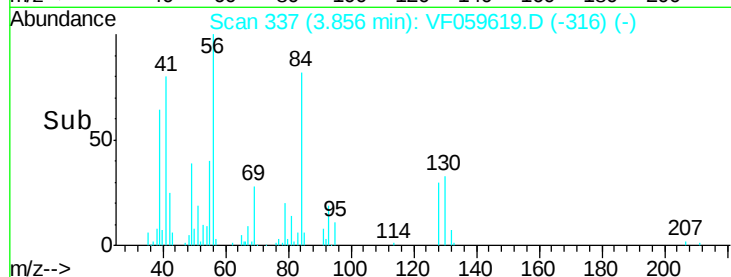
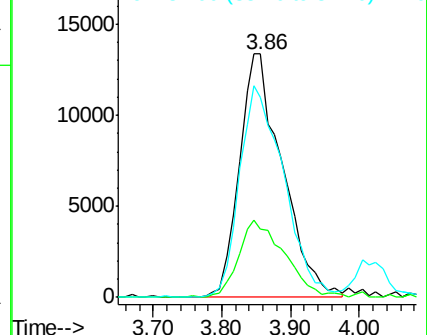
84 82.4 66.6 99.8



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: 19.383 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

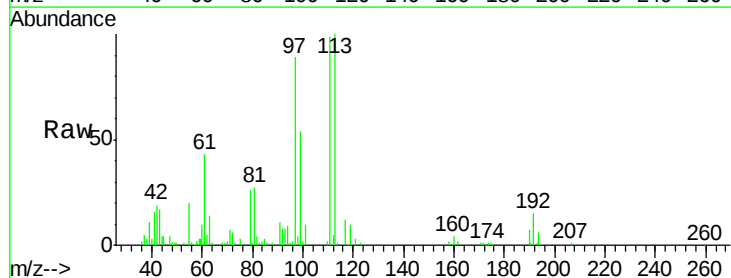
Tgt Ion: 97 Resp: 110468

Ion Ratio Lower Upper

97 100

99 60.9 55.4 83.2

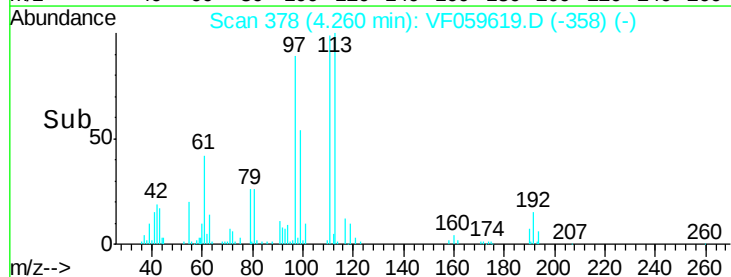
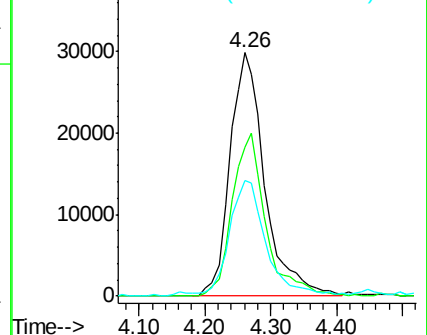
61 47.7 39.3 58.9

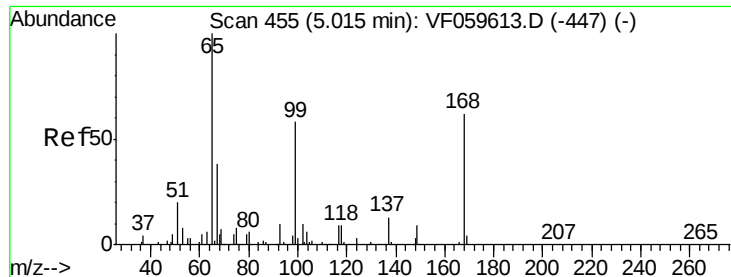


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.408 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

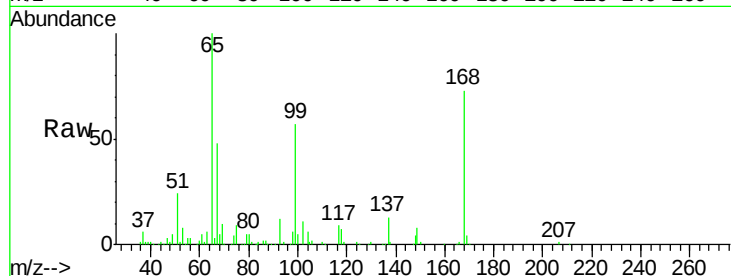
VF0723SBS01

Tgt Ion: 65 Resp: 196257

Ion Ratio Lower Upper

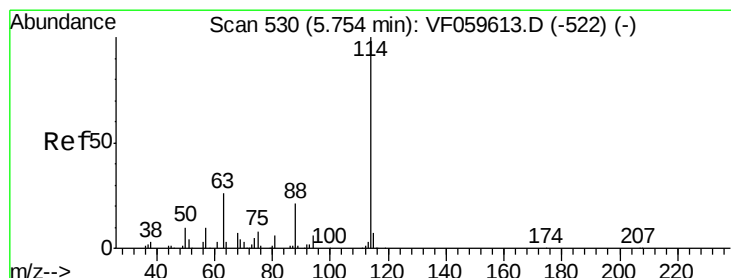
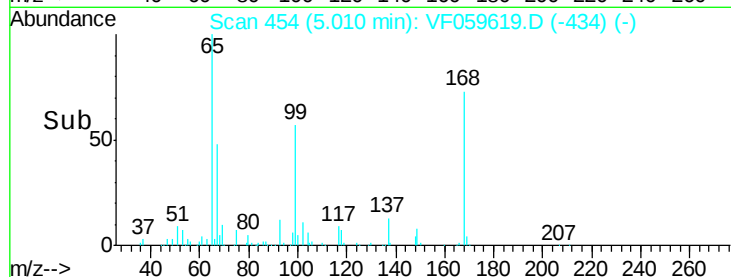
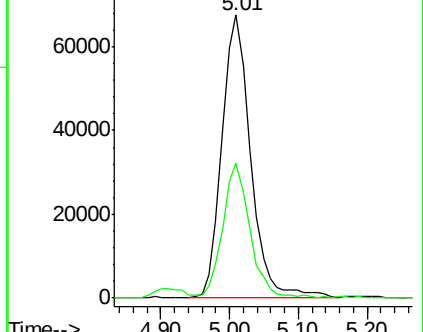
65 100

67 47.7 0.0 83.8



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: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

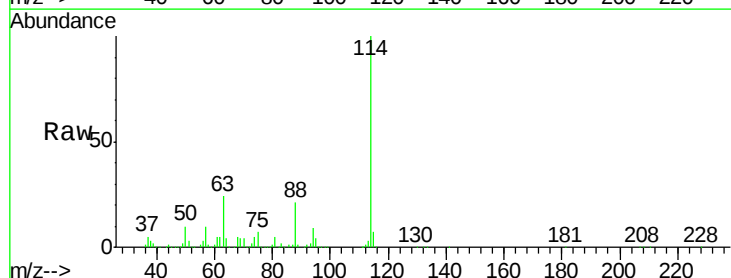
Tgt Ion: 114 Resp: 380693

Ion Ratio Lower Upper

114 100

63 24.2 0.0 51.8

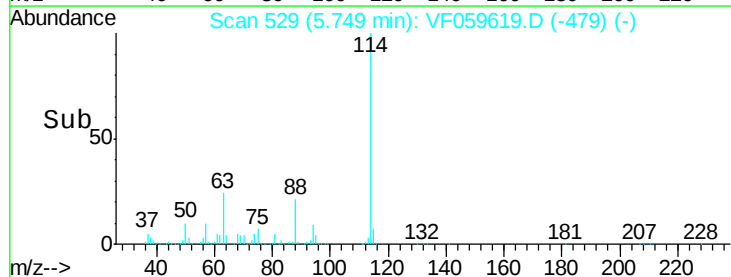
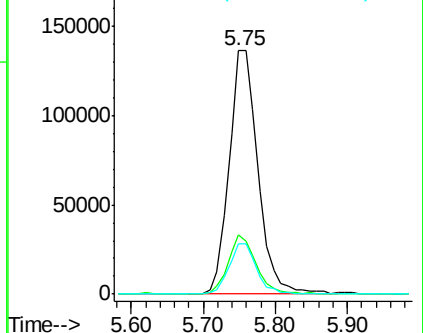
88 20.6 0.0 42.8

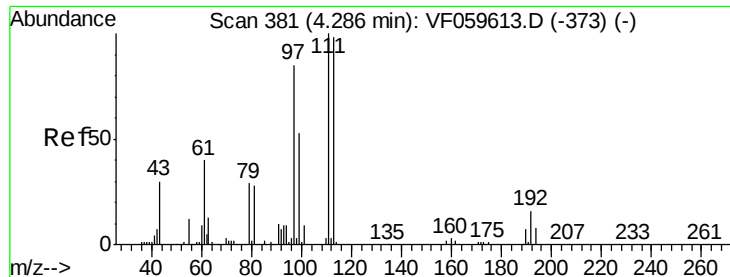


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

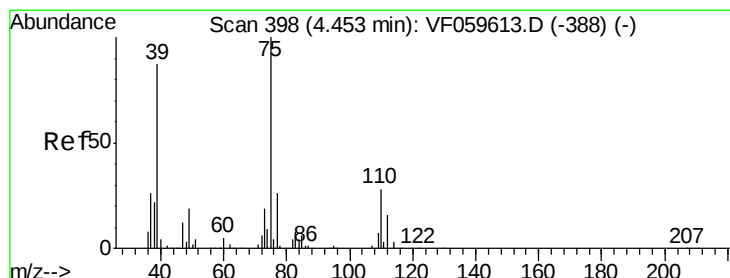
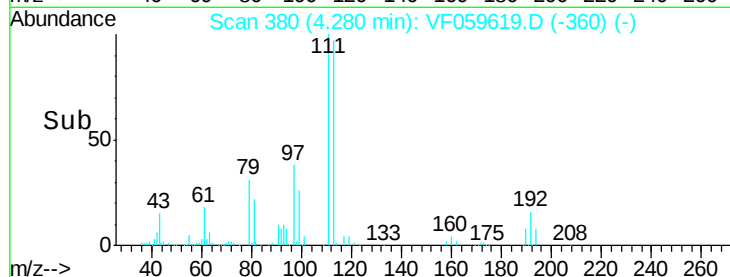
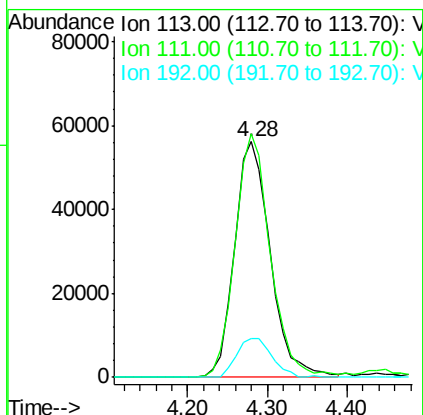
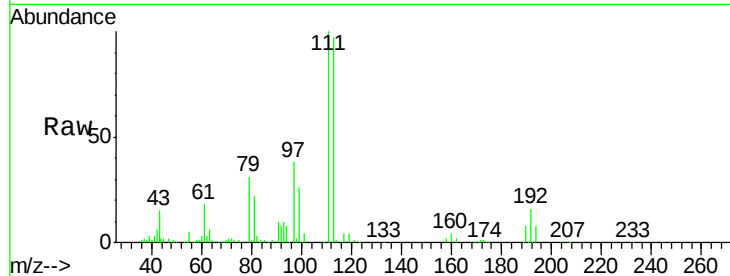




#35
Dibromofluoromethane
Concen: 49.858 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

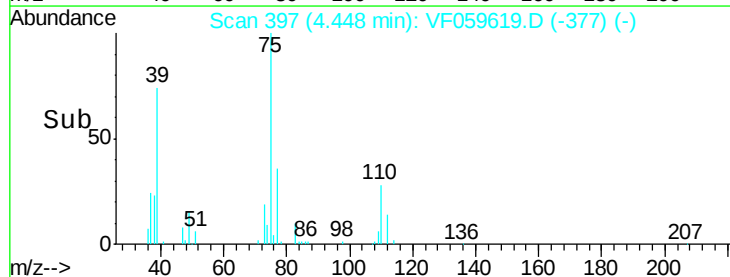
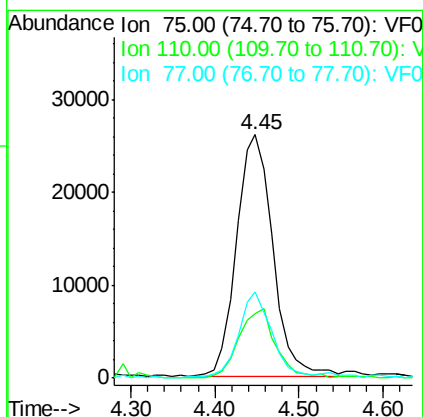
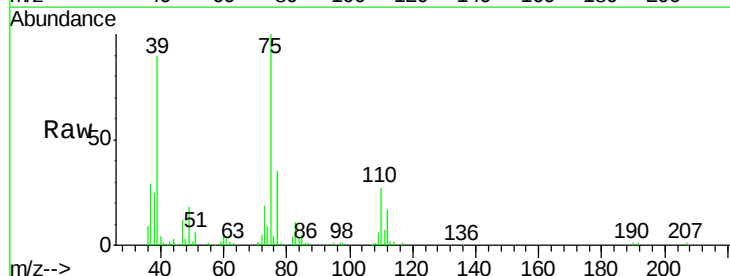
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

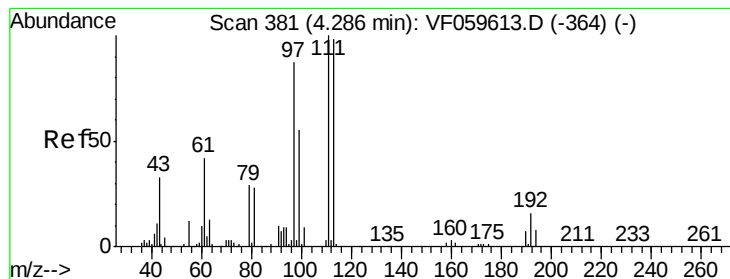
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	16.6	13.4	20.2



#36
1,1-Dichloropropene
Concen: 20.512 ug/l
RT: 4.45 min Scan# 397
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.5	14.2	42.6
77	35.2	20.3	30.5#





#37

Ethyl Acetate

Concen: 21.754 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

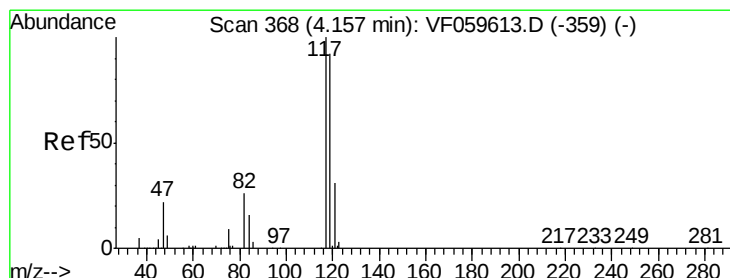
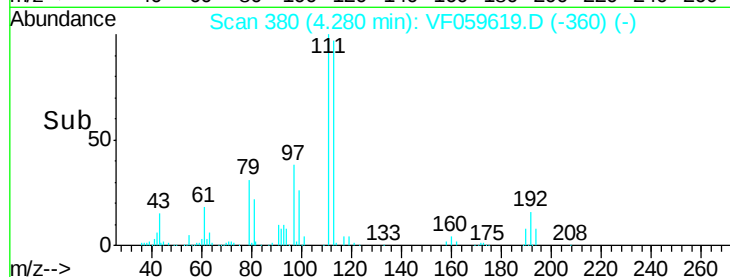
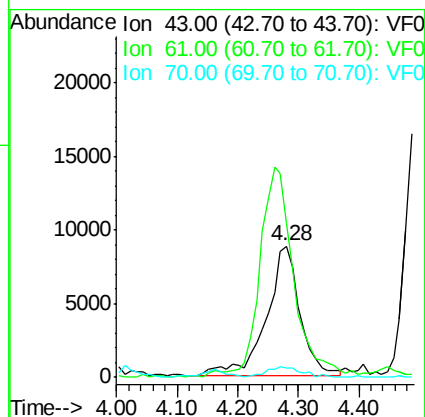
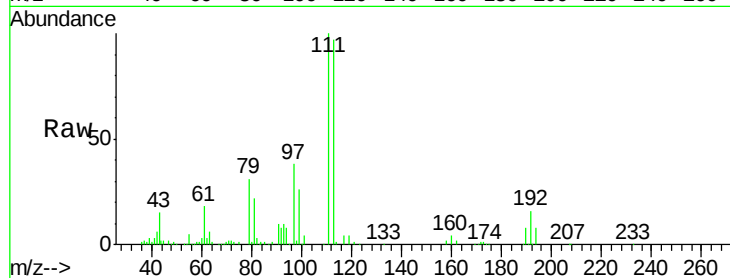
Tgt Ion: 43 Resp: 33717

Ion Ratio Lower Upper

43 100

61 117.0 101.9 152.9

70 7.2 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 19.125 ug/l

RT: 4.16 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

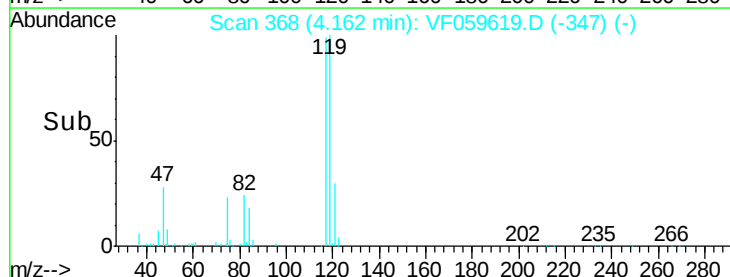
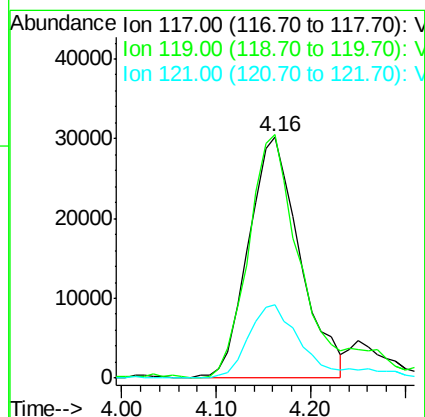
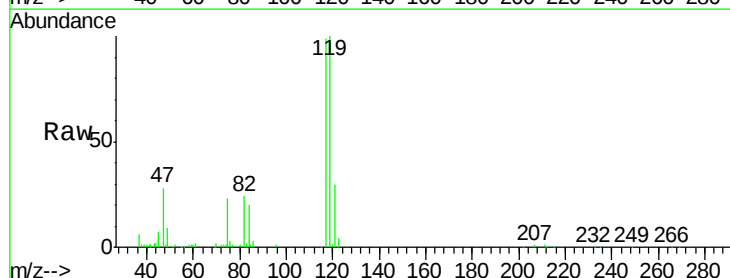
Tgt Ion: 117 Resp: 113773

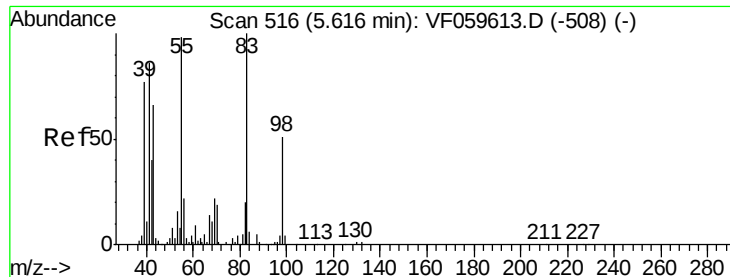
Ion Ratio Lower Upper

117 100

119 100.9 74.2 111.4

121 30.4 24.7 37.1

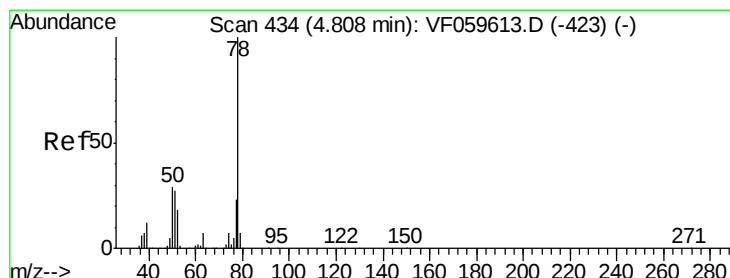
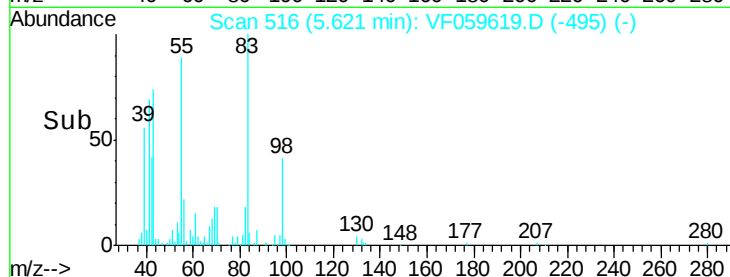
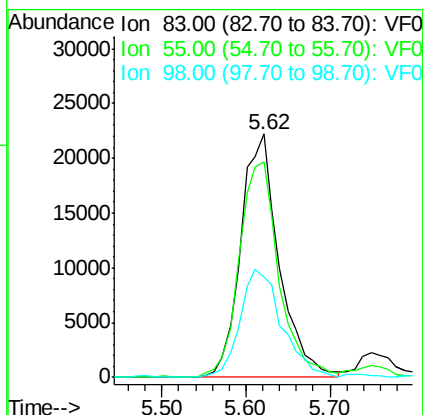
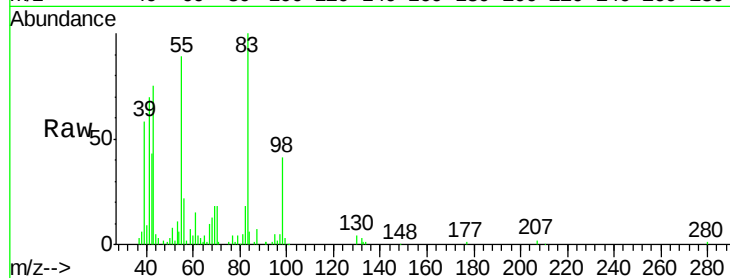




#39
Methylcyclohexane
Concen: 22.638 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

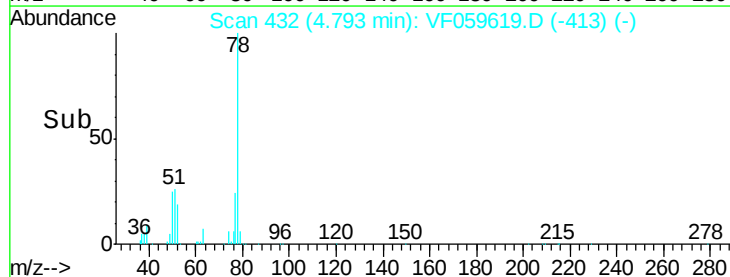
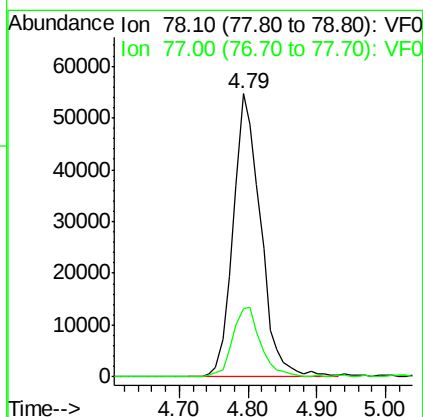
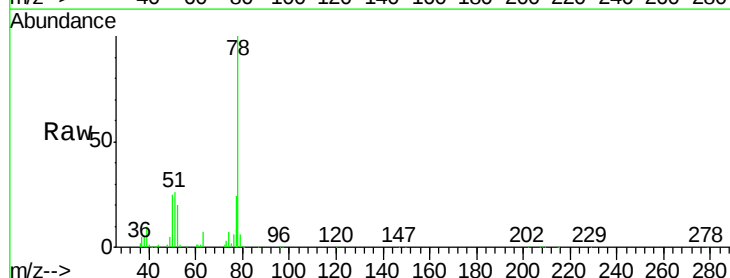
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

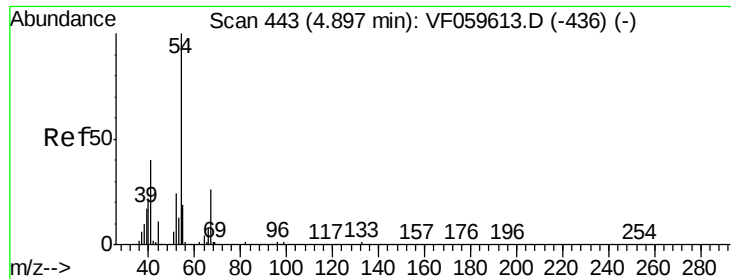
Tgt Ion: 83 Resp: 70807
Ion Ratio Lower Upper
83 100
55 88.5 78.5 117.7
98 41.0 41.1 61.7#



#40
Benzene
Concen: 21.427 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 78 Resp: 150963
Ion Ratio Lower Upper
78 100
77 24.0 18.4 27.6





#41

Methacrylonitrile

Concen: 19.958 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tgt Ion: 41 Resp: 15858

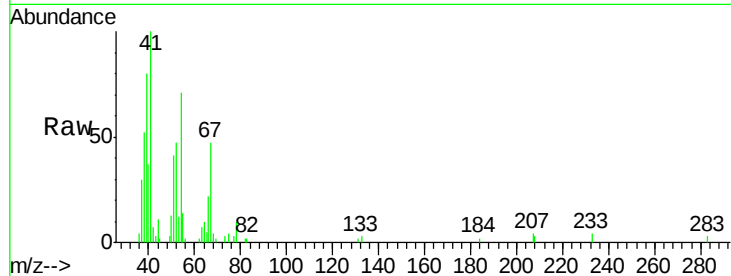
Ion Ratio Lower Upper

41 100

39 79.6 58.2 87.4

67 46.8 51.0 76.6#

52 47.0 80.1 120.1#

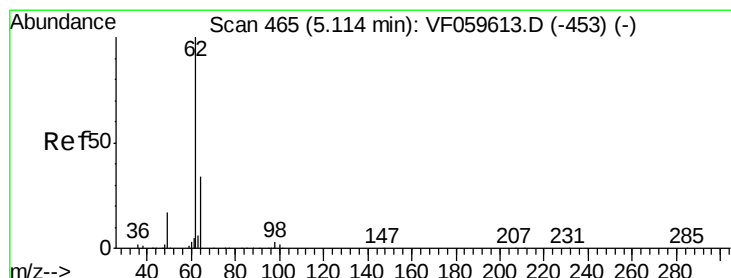
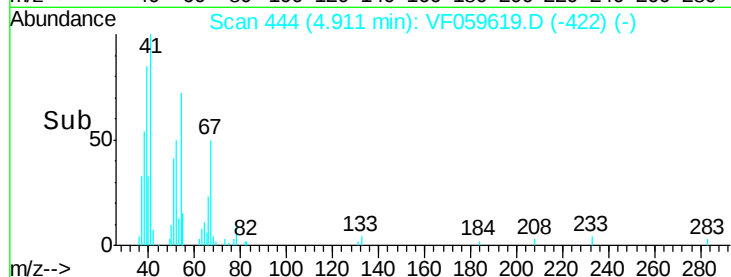
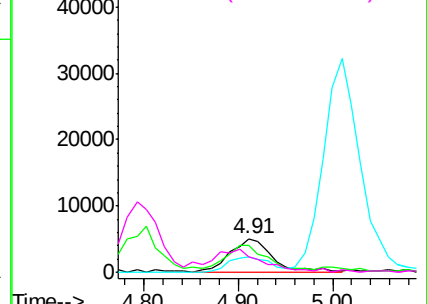


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 18.132 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059619.D

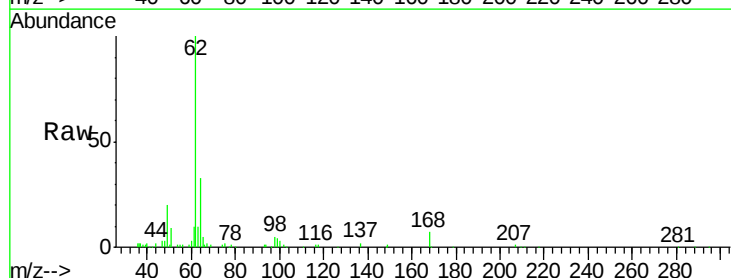
Acq: 23 Jul 2018 17:40

Tgt Ion: 62 Resp: 86250

Ion Ratio Lower Upper

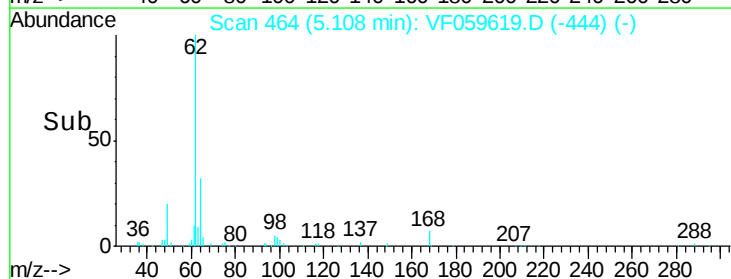
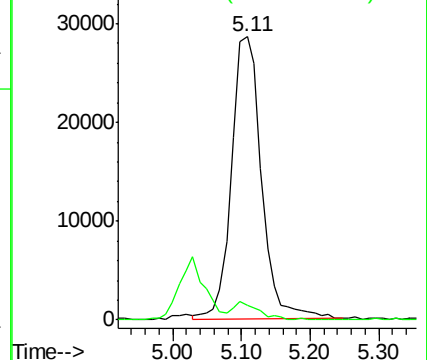
62 100

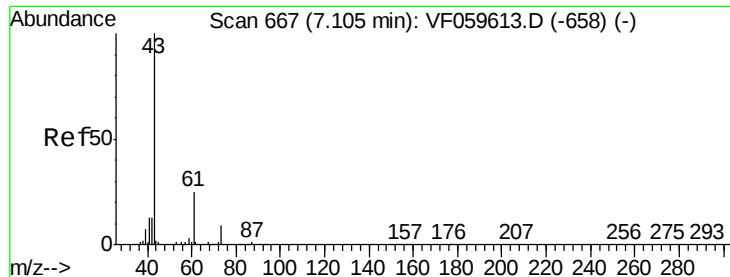
98 5.0 0.0 8.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.975 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

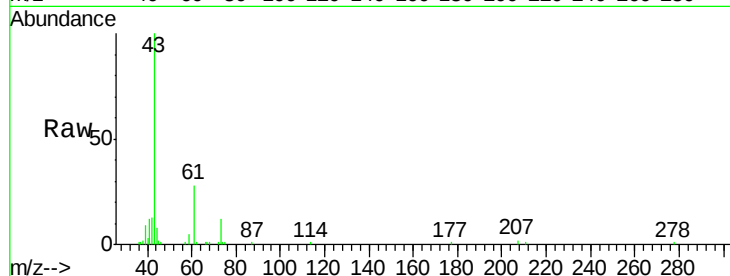
Tgt Ion: 43 Resp: 39562

Ion Ratio Lower Upper

43 100

61 27.7 20.1 30.1

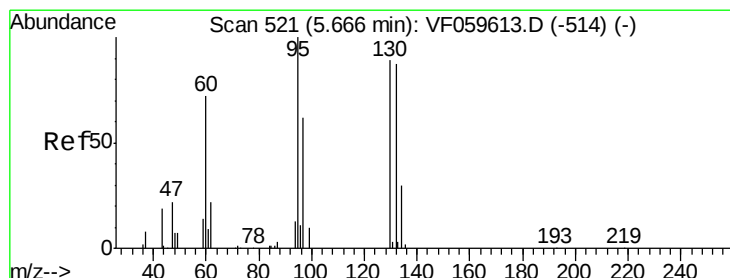
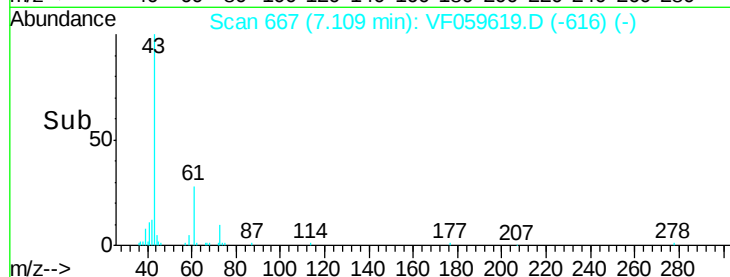
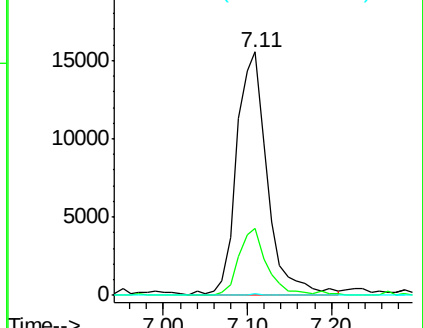
87 0.8 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.824 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059619.D

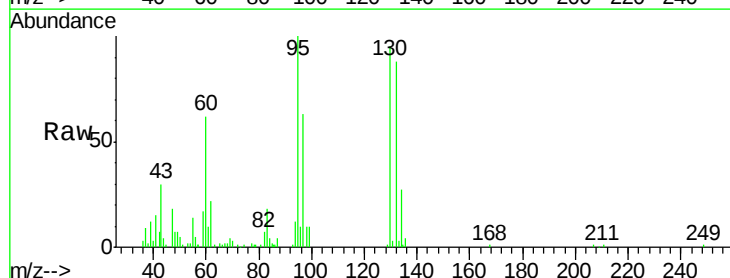
Acq: 23 Jul 2018 17:40

Tgt Ion: 130 Resp: 59270

Ion Ratio Lower Upper

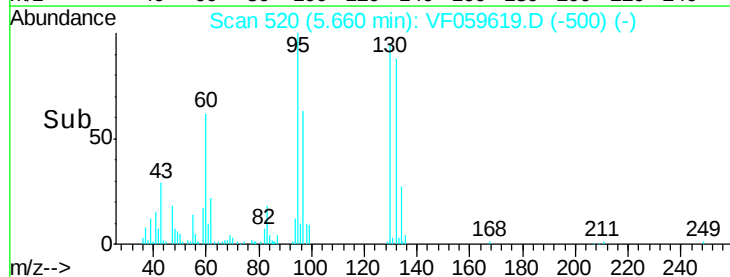
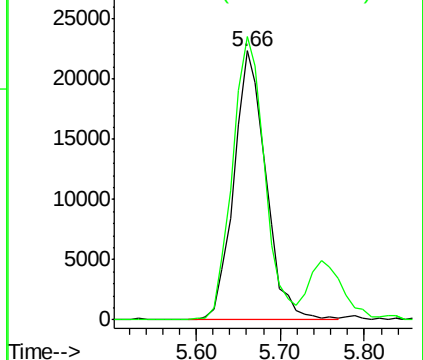
130 100

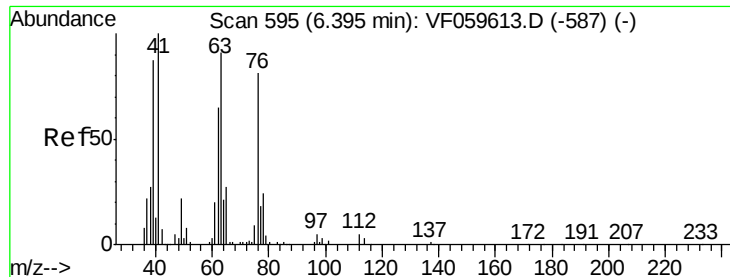
95 105.3 0.0 226.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.746 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

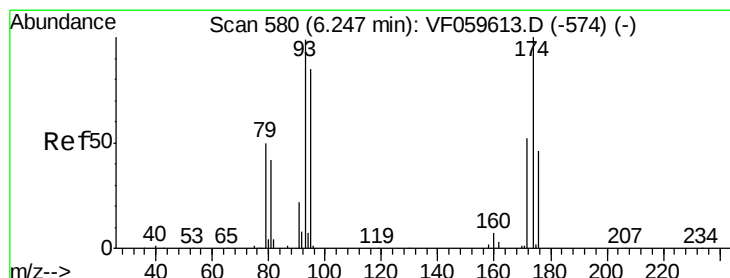
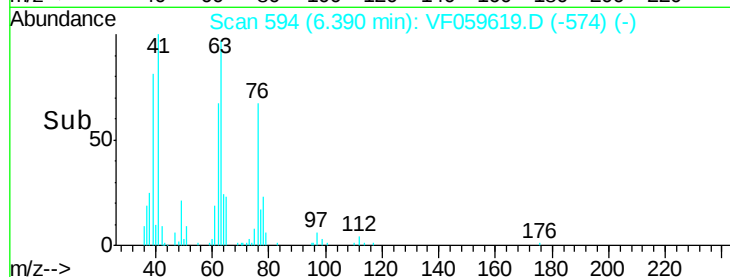
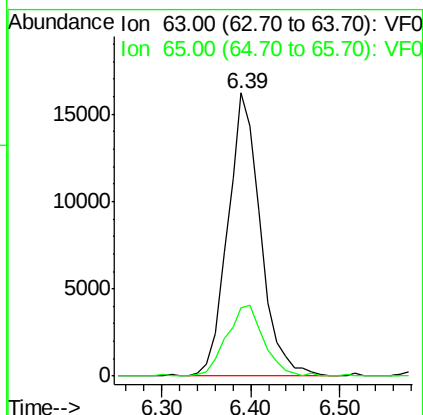
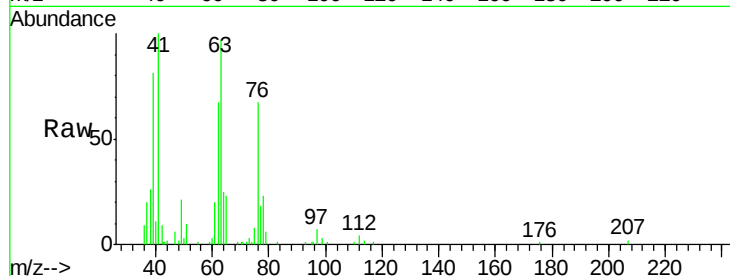
VF0723SBS01

Tgt Ion: 63 Resp: 41479

Ion Ratio Lower Upper

63 100

65 24.0 23.4 35.0



#46

Dibromomethane

Concen: 20.041 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

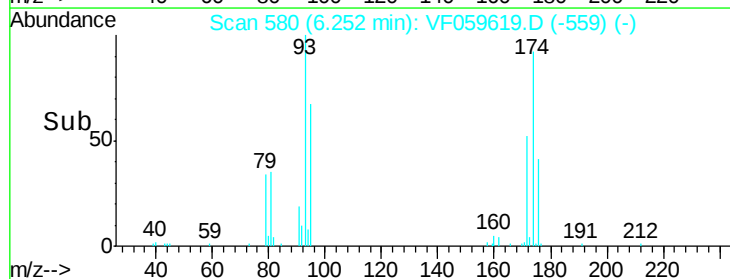
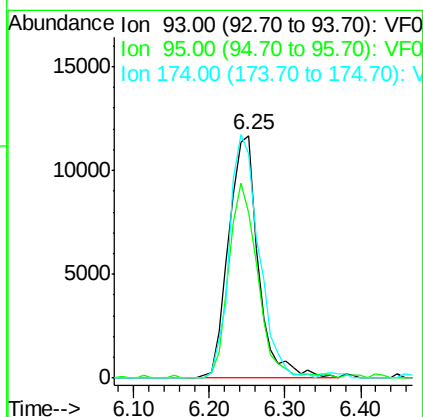
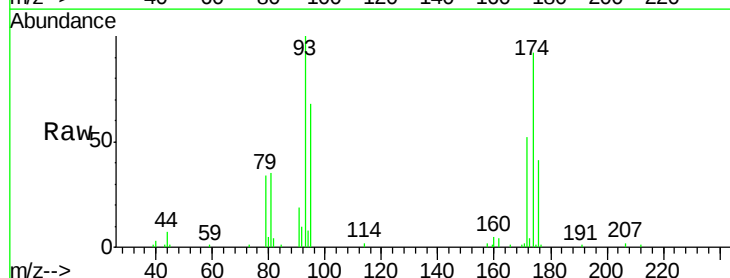
Tgt Ion: 93 Resp: 31665

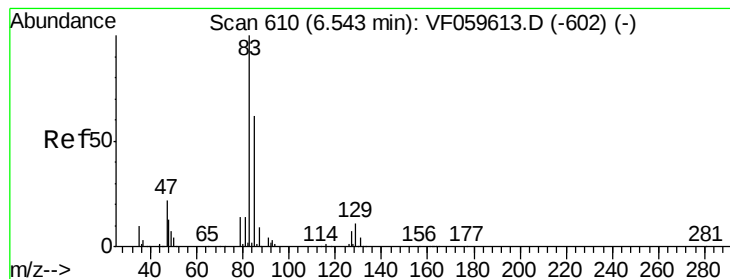
Ion Ratio Lower Upper

93 100

95 68.1 68.6 102.8#

174 92.4 80.8 121.2





#47

Bromodichloromethane

Concen: 20.002 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

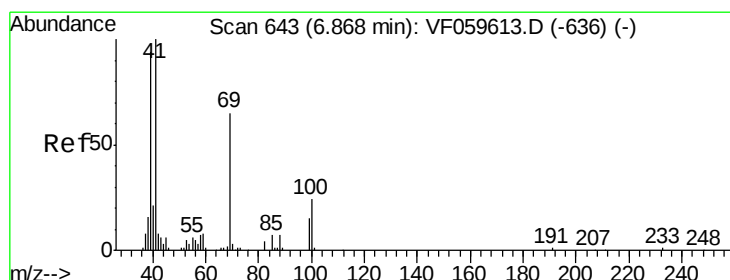
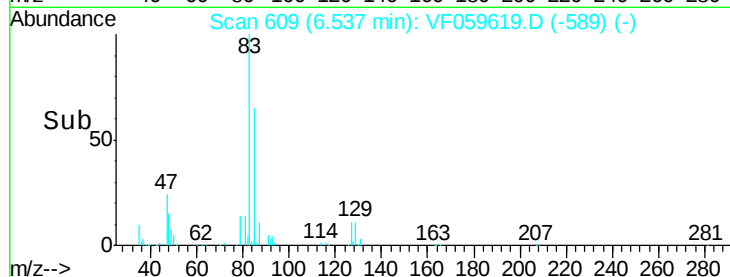
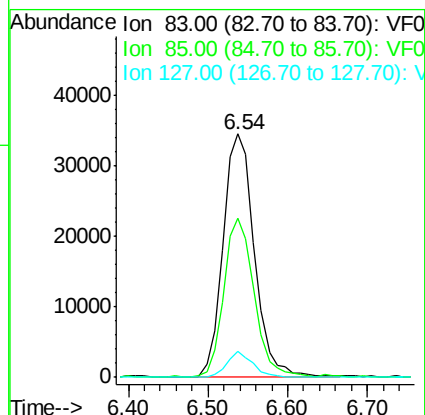
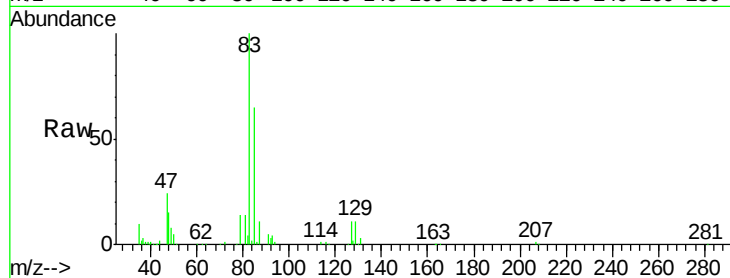
Tgt Ion: 83 Resp: 95910

Ion Ratio Lower Upper

83 100

85 65.3 49.4 74.0

127 12.4 5.9 8.9#



#48

Methyl methacrylate

Concen: 19.087 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

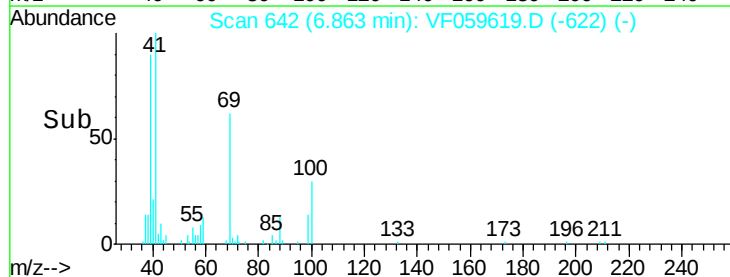
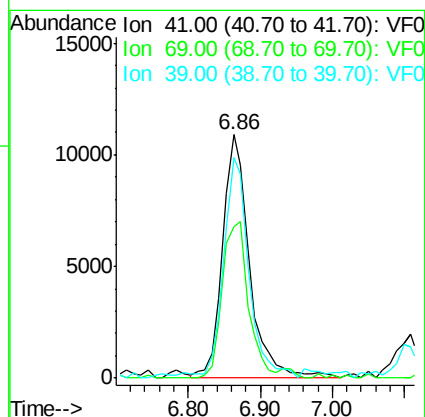
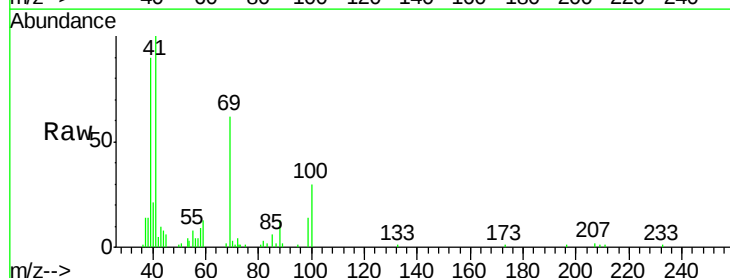
Tgt Ion: 41 Resp: 28276

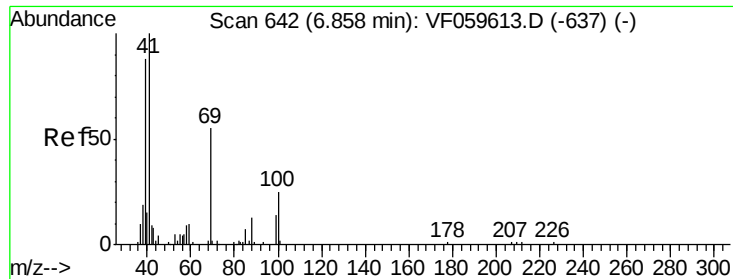
Ion Ratio Lower Upper

41 100

69 62.5 51.6 77.4

39 90.4 76.3 114.5

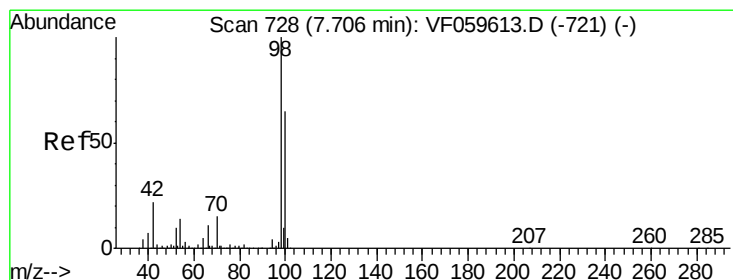
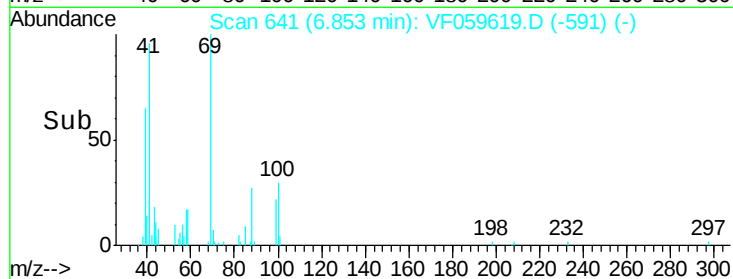
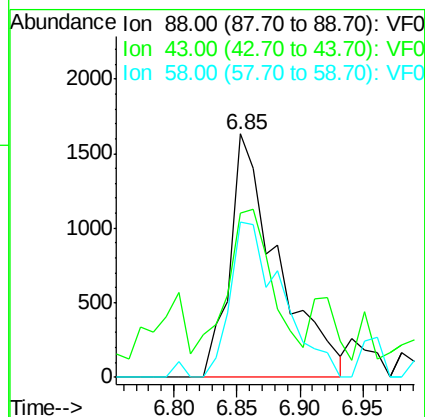
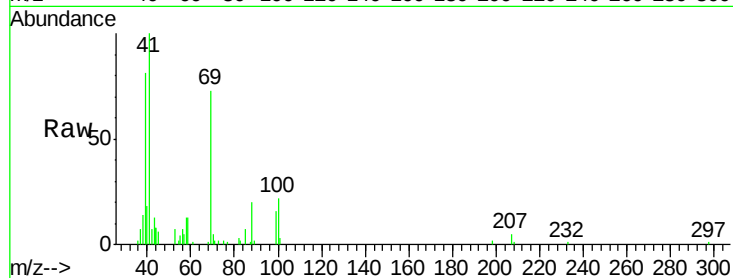




#49
1,4-Dioxane
Concen: 451.395 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

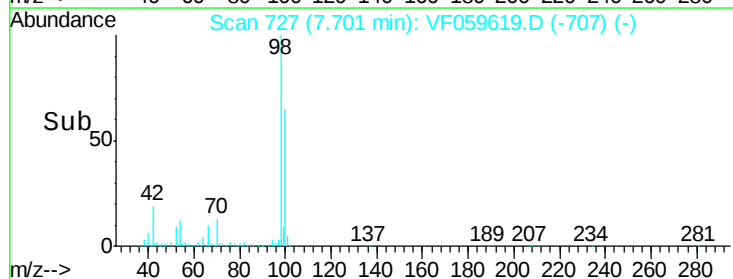
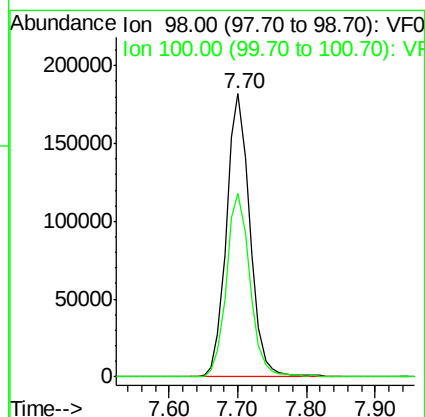
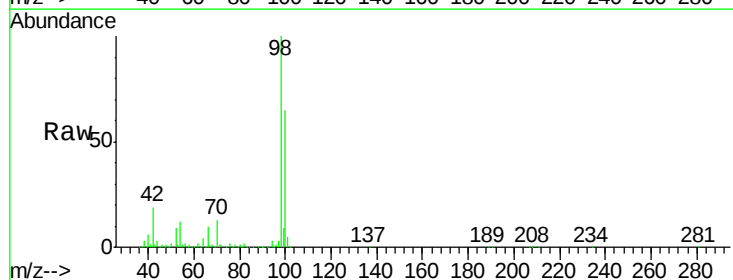
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

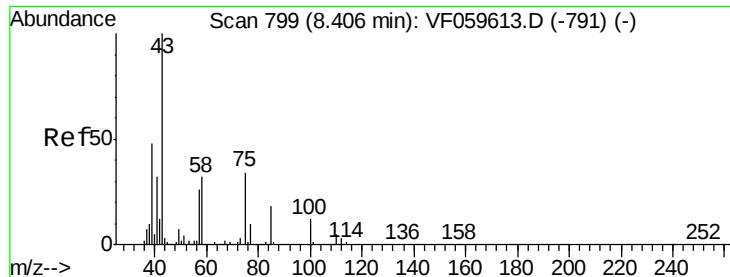
Tgt Ion: 88 Resp: 4282
Ion Ratio Lower Upper
88 100
43 67.6 54.2 81.4
58 63.7 54.3 81.5



#50
Toluene-d8
Concen: 48.992 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 98 Resp: 430852
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 103.301 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

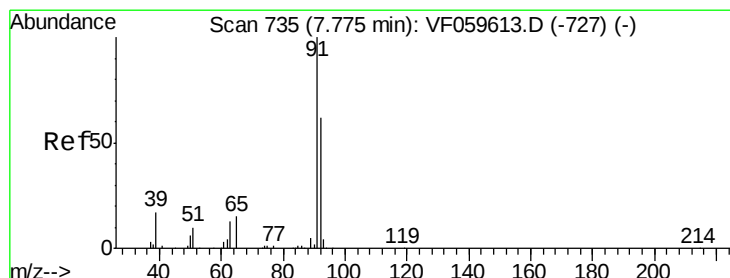
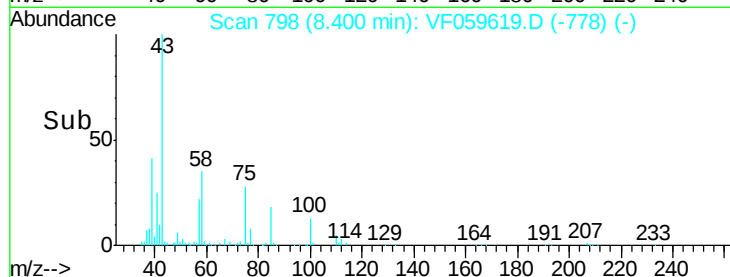
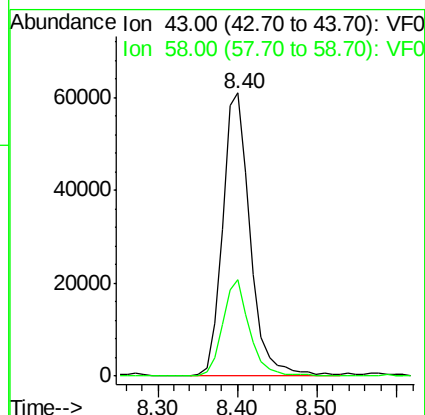
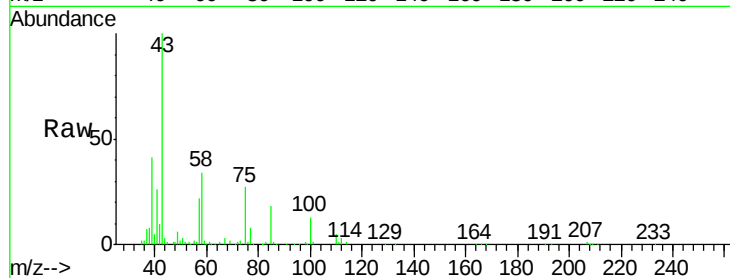
VF0723SBS01

Tgt Ion: 43 Resp: 149060

Ion Ratio Lower Upper

43 100

58 34.3 25.8 38.6



#52

Toluene

Concen: 20.354 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059619.D

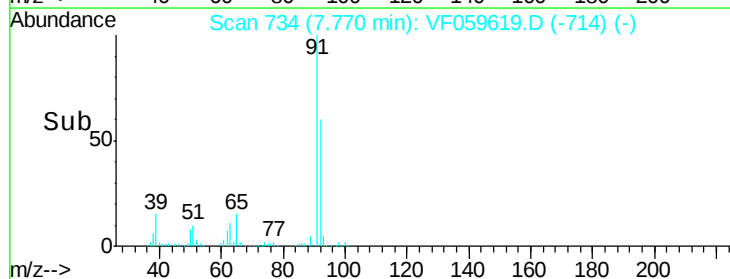
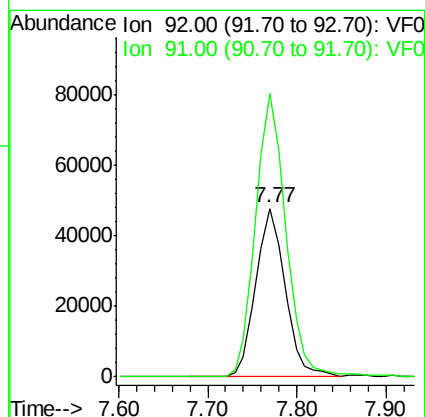
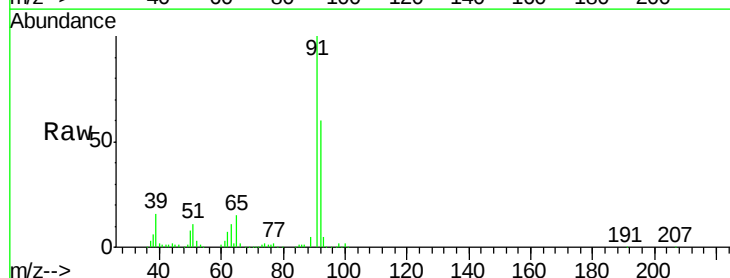
Acq: 23 Jul 2018 17:40

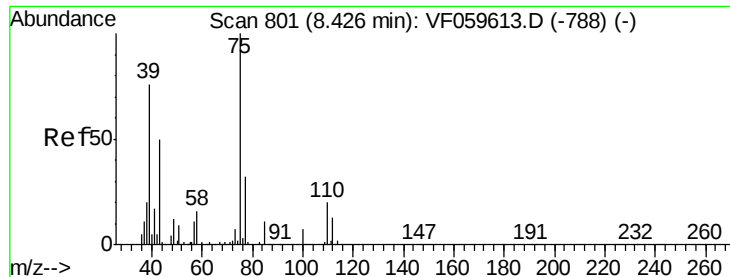
Tgt Ion: 92 Resp: 109179

Ion Ratio Lower Upper

92 100

91 167.9 129.8 194.8





#53

t-1,3-Dichloropropene

Concen: 19.722 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

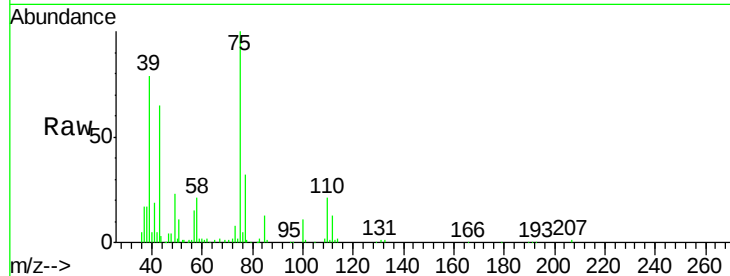
VF0723SBS01

Tgt Ion: 75 Resp: 79947

Ion Ratio Lower Upper

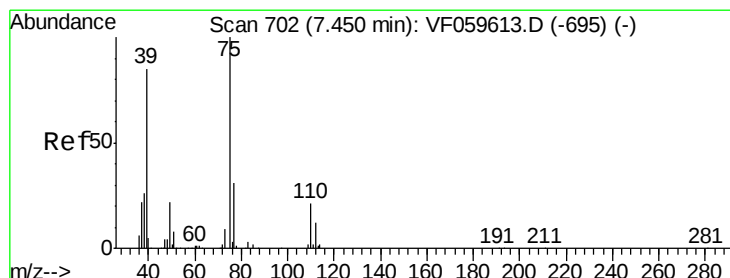
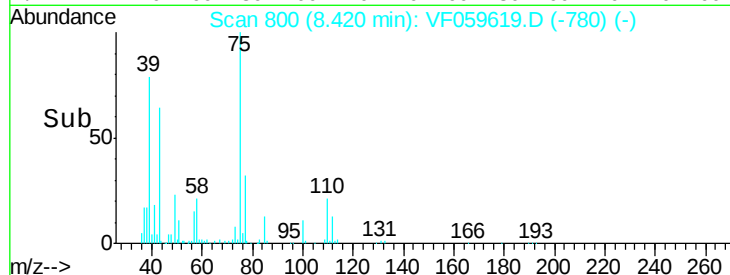
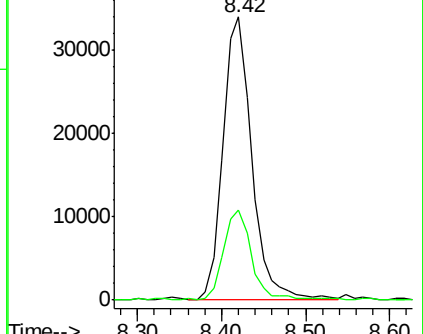
75 100

77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.927 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

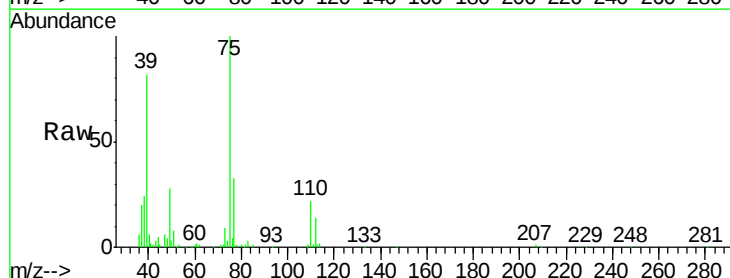
Tgt Ion: 75 Resp: 84091

Ion Ratio Lower Upper

75 100

77 33.2 24.6 37.0

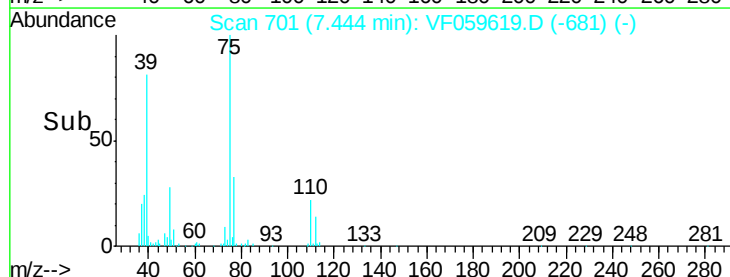
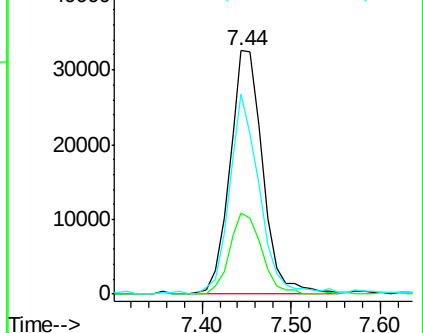
39 82.1 67.8 101.6

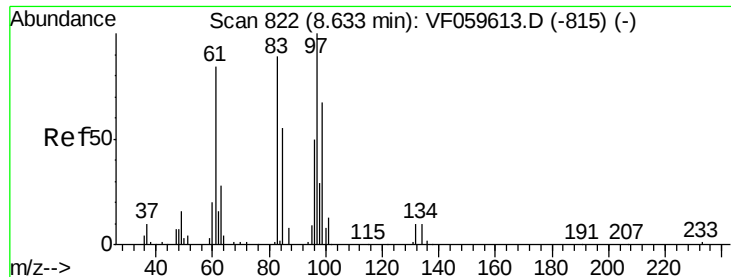


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

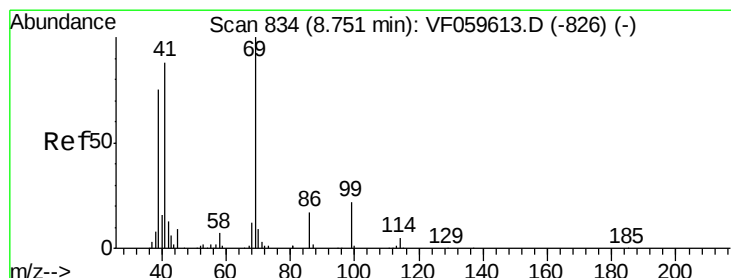
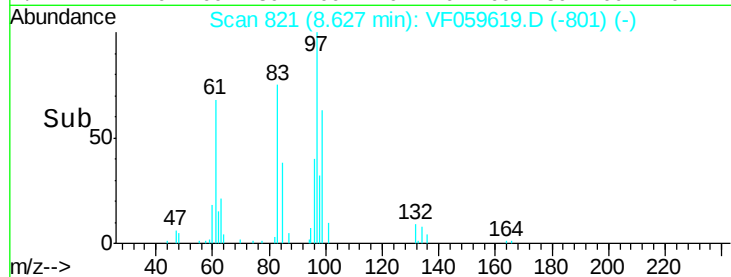
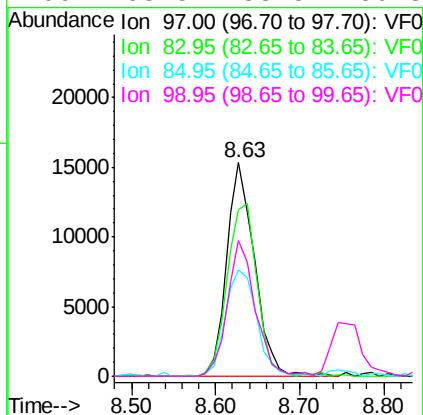
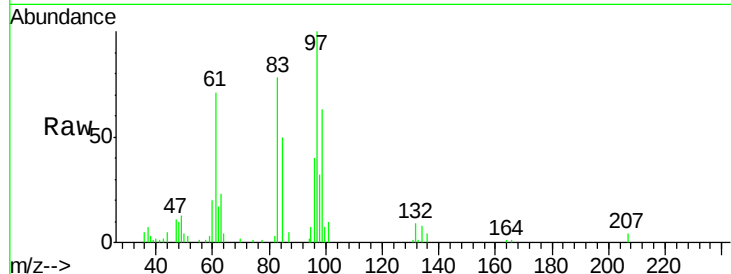




#55
 1,1,2-Trichloroethane
 Concen: 19.189 ug/l
 RT: 8.63 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

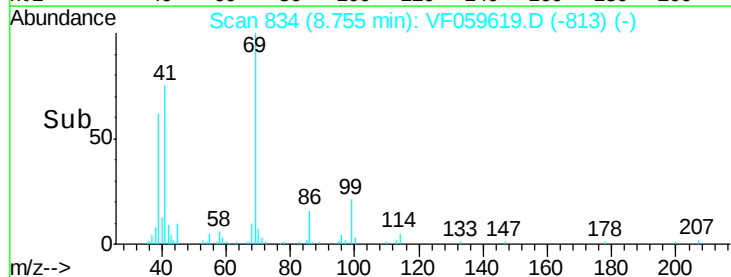
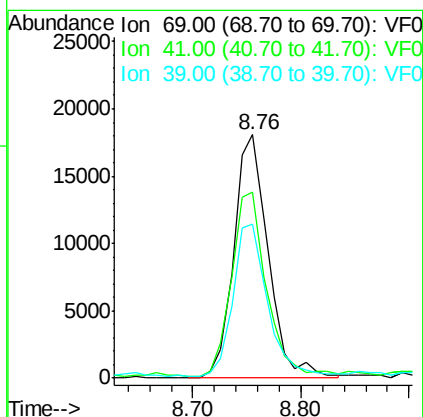
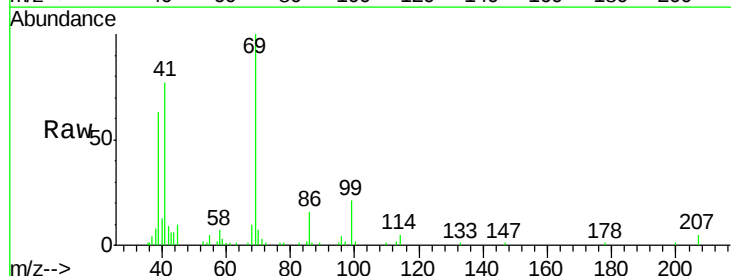
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

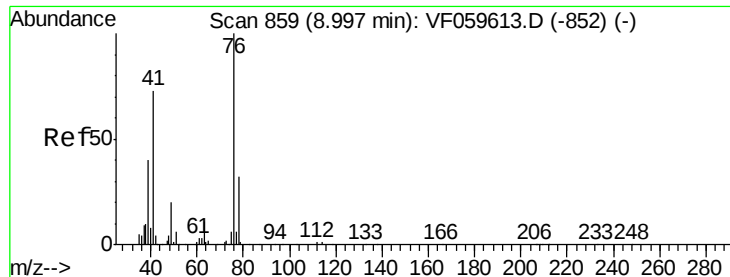
Tgt Ion:	97	Resp:	35219
Ion	Ratio	Lower	Upper
97	100		
83	78.1	71.8	107.6
85	49.6	43.9	65.9
99	63.5	53.5	80.3



#56
 Ethyl methacrylate
 Concen: 19.478 ug/l
 RT: 8.76 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion:	69	Resp:	39799
Ion	Ratio	Lower	Upper
69	100		
41	76.6	70.8	106.2
39	63.5	60.7	91.1





#57

1,3-Dichloropropane

Concen: 20.693 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

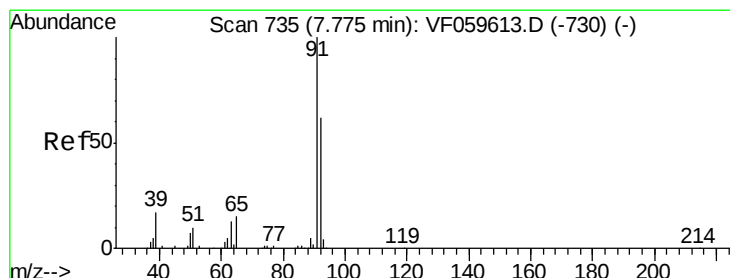
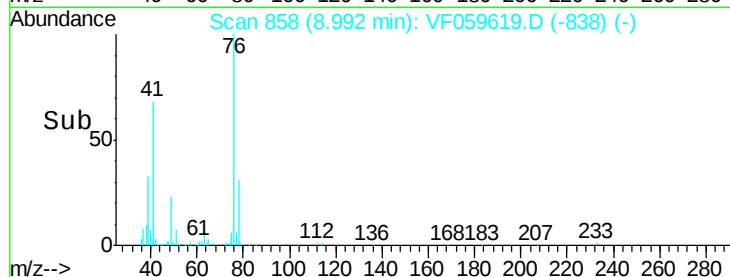
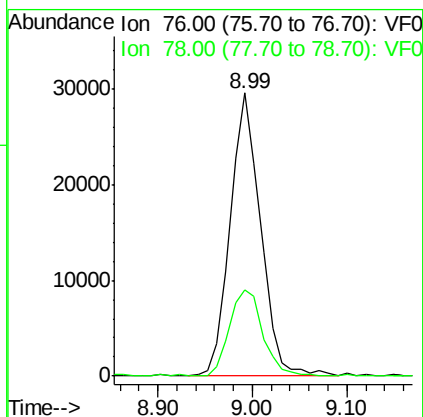
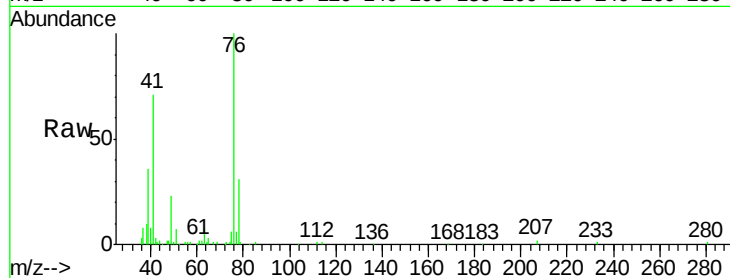
VF0723SBS01

Tgt Ion: 76 Resp: 66086

Ion Ratio Lower Upper

76 100

78 30.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 101.627 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.02 min

Lab File: VF059619.D

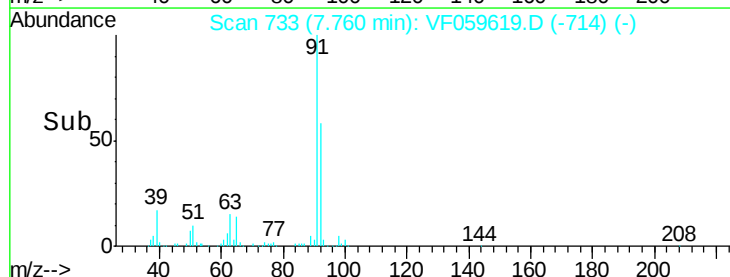
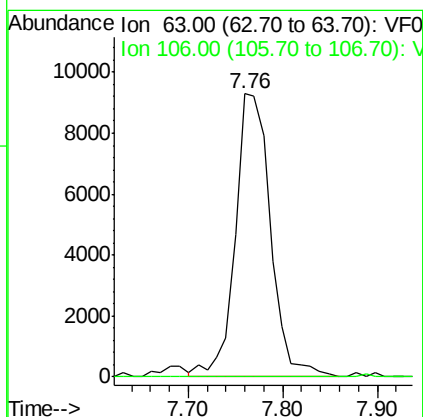
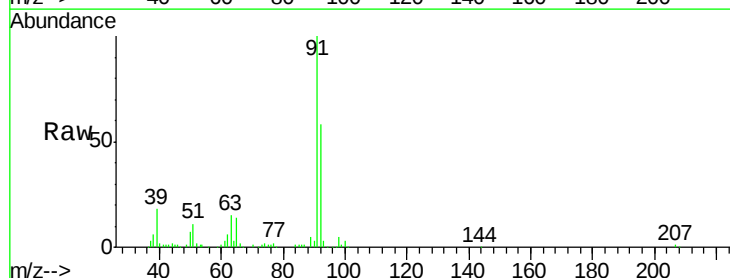
Acq: 23 Jul 2018 17:40

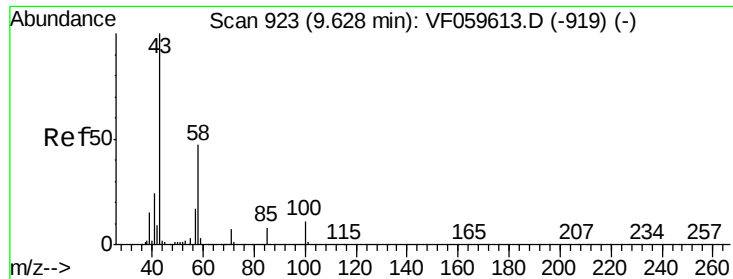
Tgt Ion: 63 Resp: 24026

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

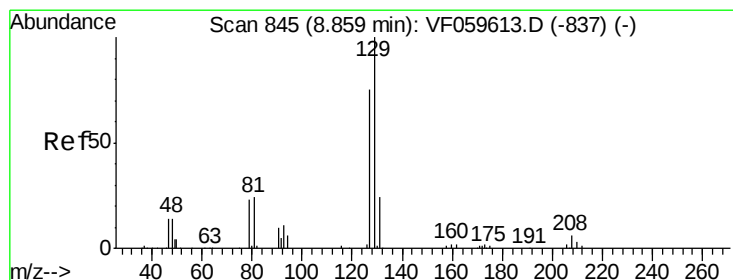
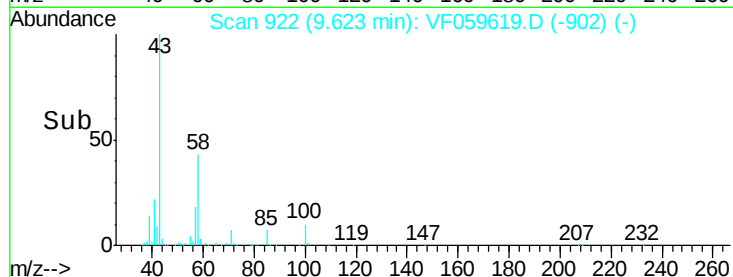
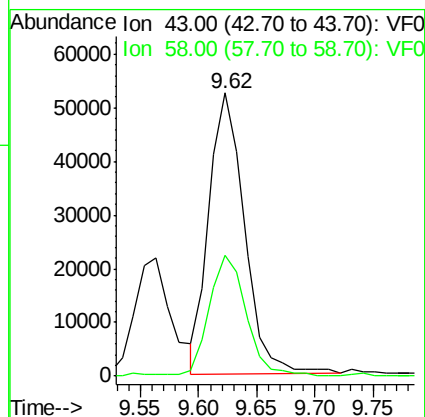
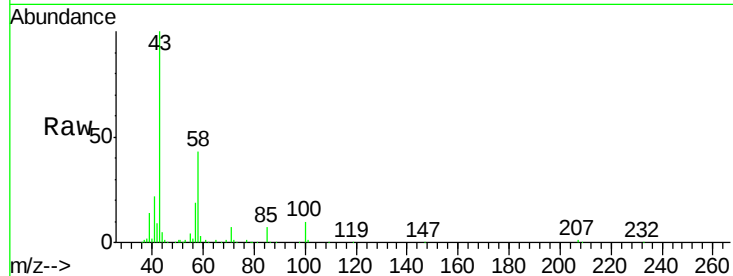




#59
2-Hexanone
Concen: 94.635 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

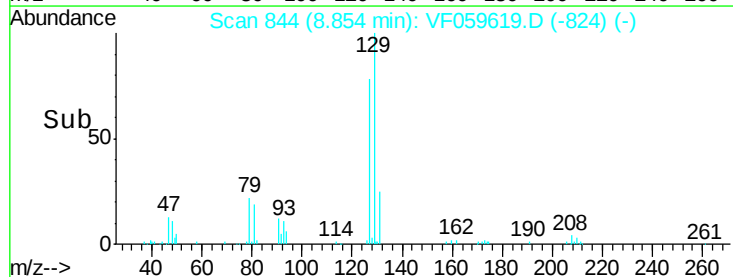
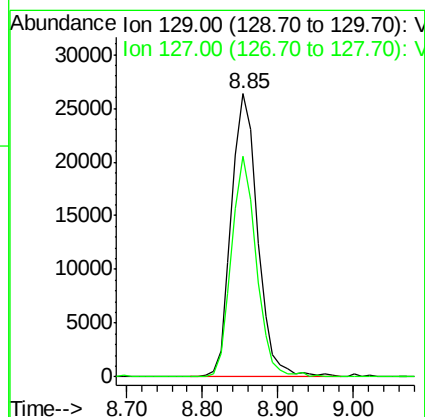
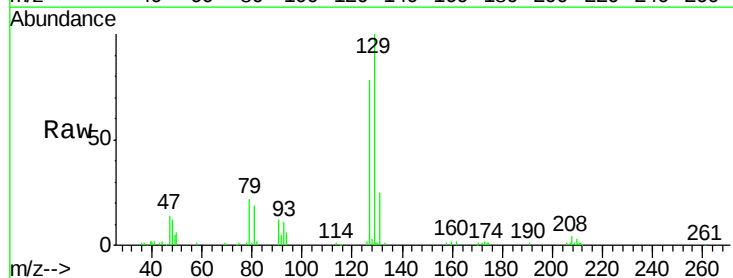
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

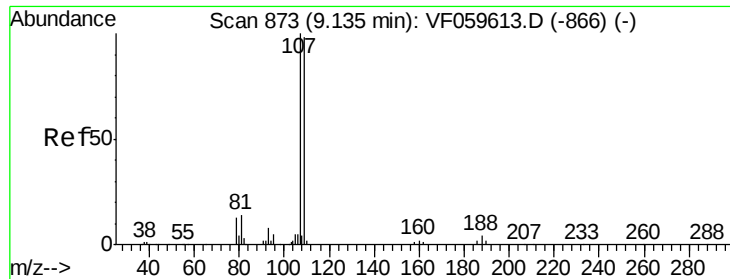
Tgt Ion: 43 Resp: 110820
Ion Ratio Lower Upper
43 100
58 42.5 21.1 63.4



#60
Dibromochloromethane
Concen: 19.442 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion: 129 Resp: 63544
Ion Ratio Lower Upper
129 100
127 77.3 37.5 112.7





#61

1,2-Dibromoethane

Concen: 20.812 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

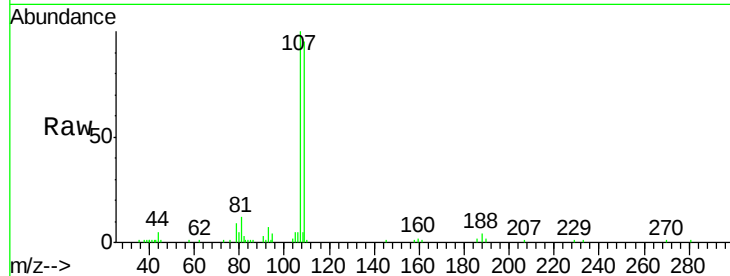
VF0723SBS01

Tgt Ion: 107 Resp: 43782

Ion Ratio Lower Upper

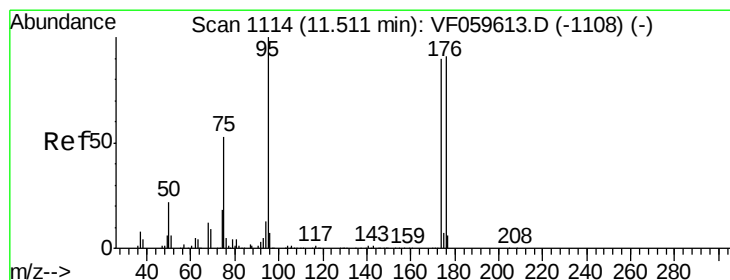
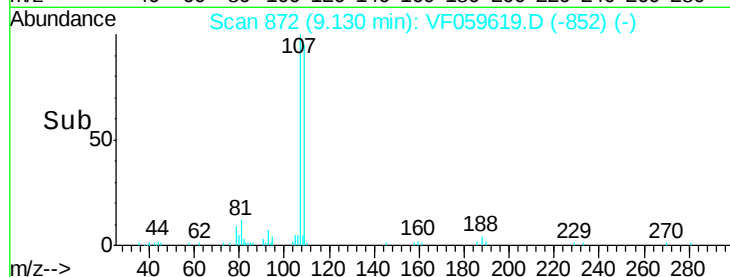
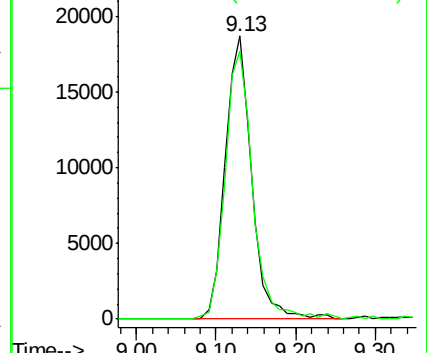
107 100

109 94.7 78.2 117.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.868 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

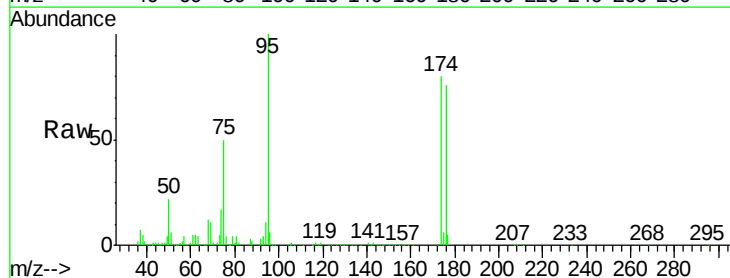
Tgt Ion: 95 Resp: 227778

Ion Ratio Lower Upper

95 100

174 79.8 0.0 180.6

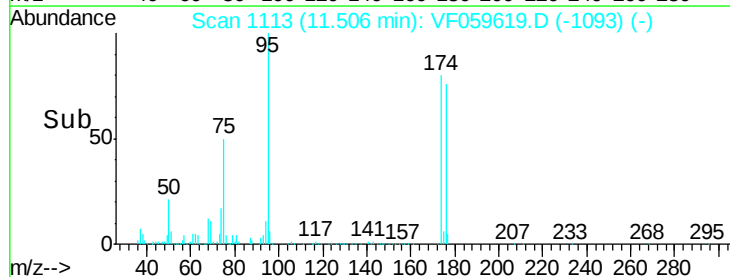
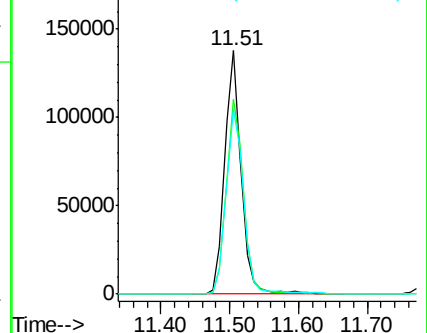
176 75.8 0.0 182.4

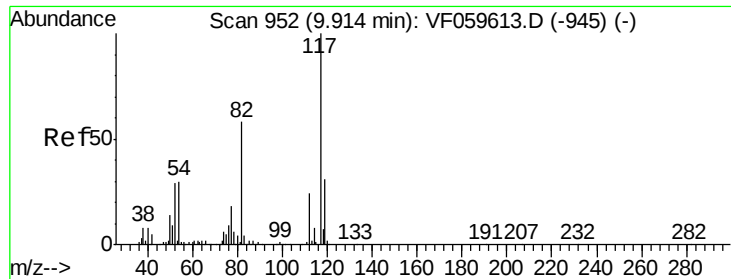


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

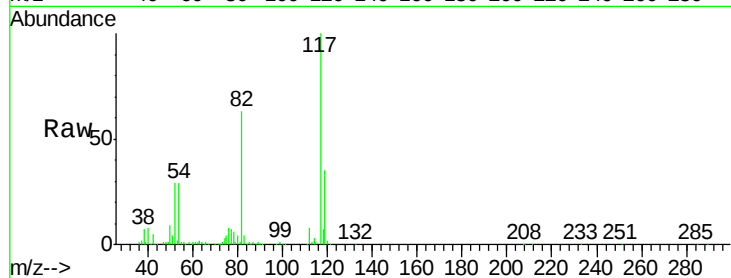




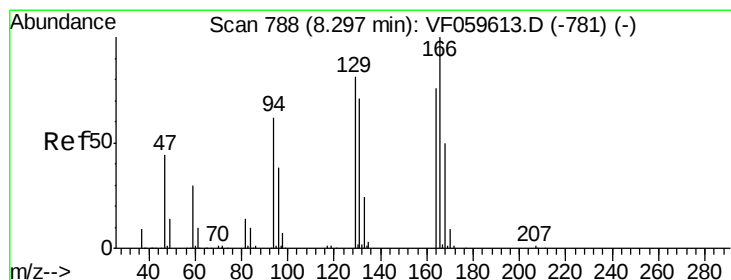
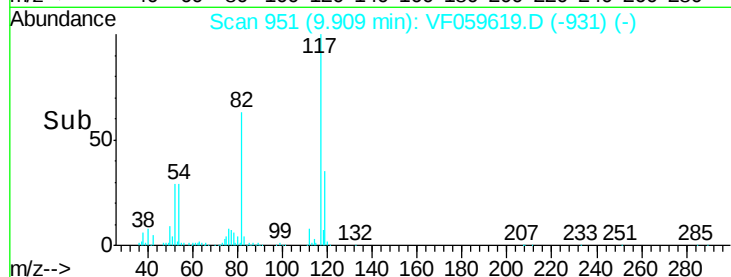
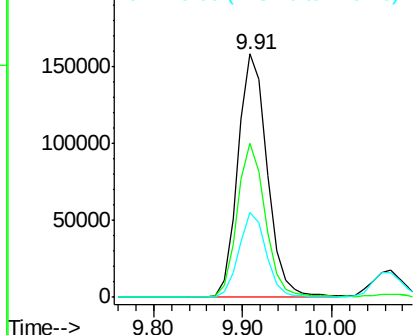
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tgt Ion:117 Resp: 364113
Ion Ratio Lower Upper
117 100
82 63.5 46.5 69.7
119 35.0 24.4 36.6



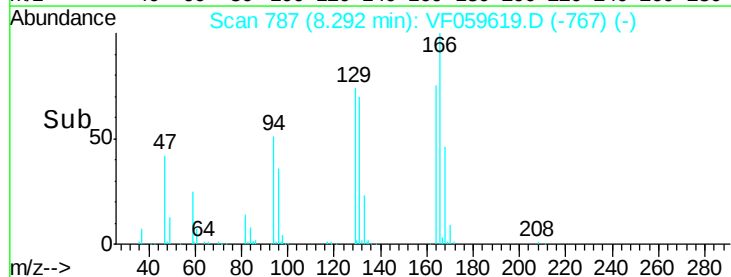
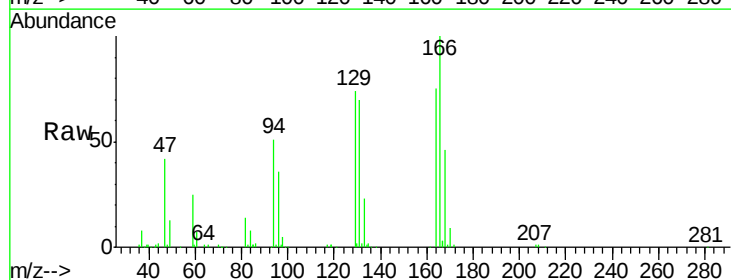
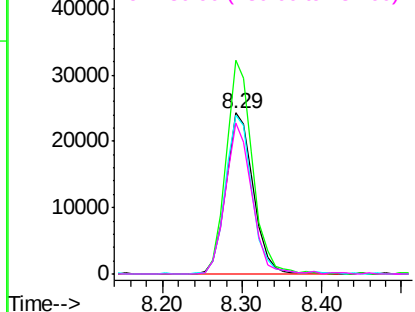
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

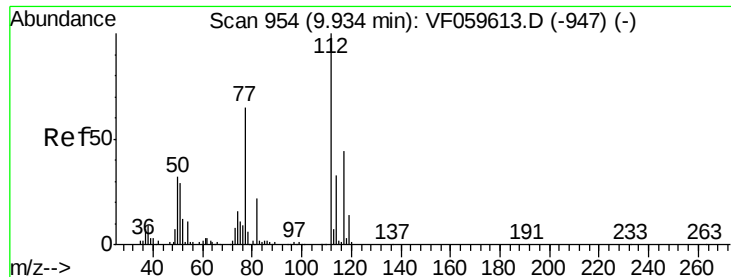


#64
Tetrachloroethene
Concen: 21.680 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion:164 Resp: 58623
Ion Ratio Lower Upper
164 100
166 132.6 104.8 157.2
129 98.5 85.3 127.9
131 93.4 74.6 111.8

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

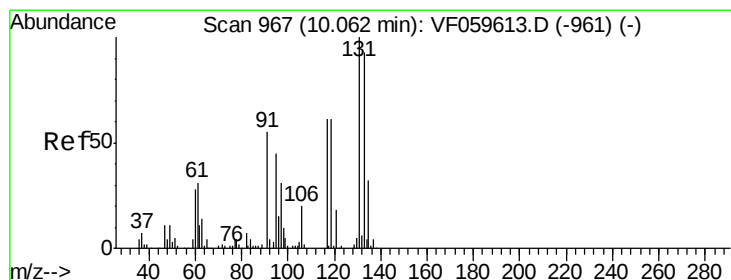
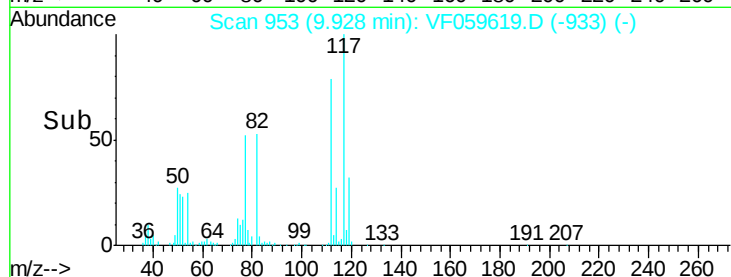
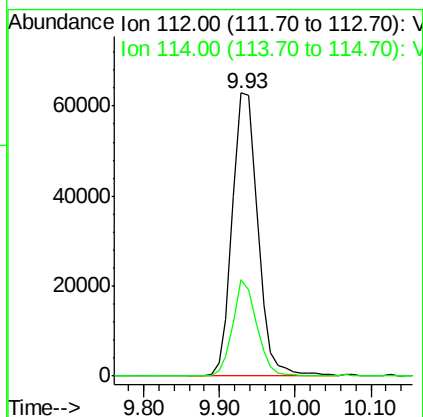
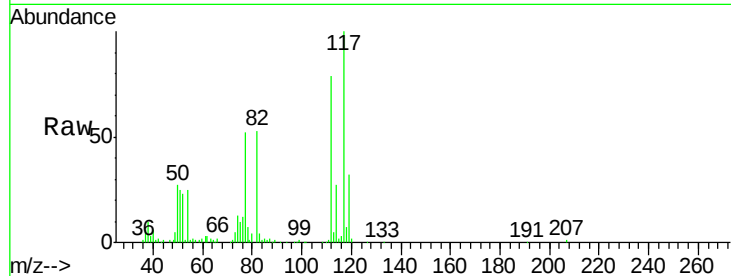




#65
Chlorobenzene
Concen: 21.912 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

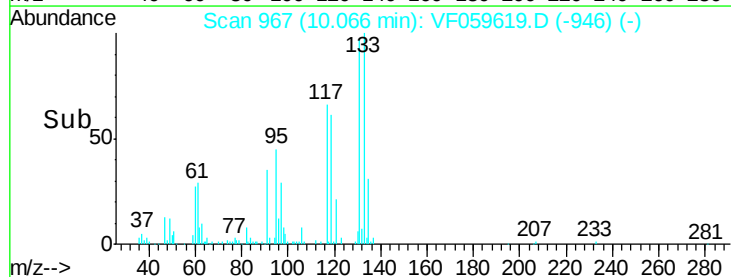
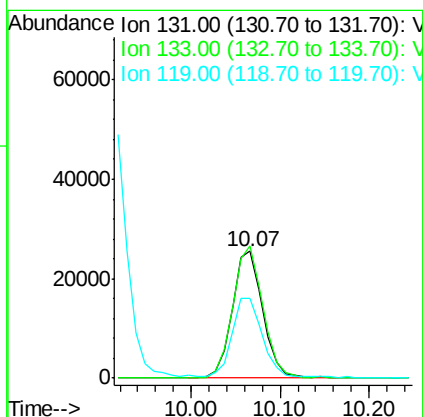
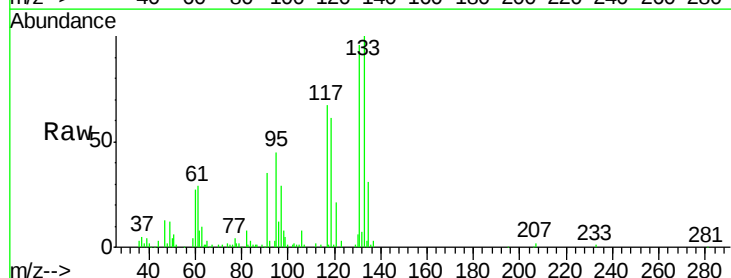
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

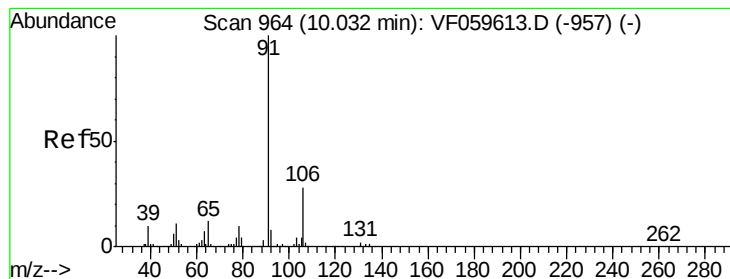
Tgt Ion:112 Resp: 147120
Ion Ratio Lower Upper
112 100
114 34.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.060 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion:131 Resp: 61027
Ion Ratio Lower Upper
131 100
133 103.9 46.4 139.2
119 63.3 30.6 91.8





#67

Ethyl Benzene

Concen: 21.834 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

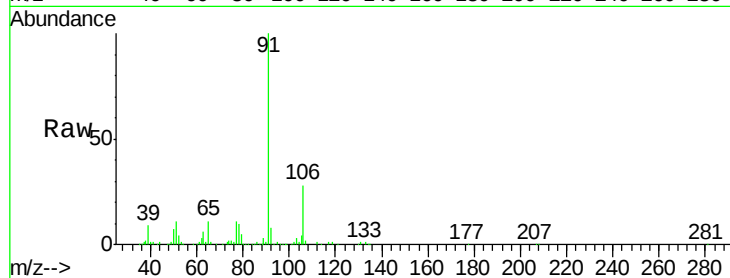
VF0723SBS01

Tgt Ion: 91 Resp: 266547

Ion Ratio Lower Upper

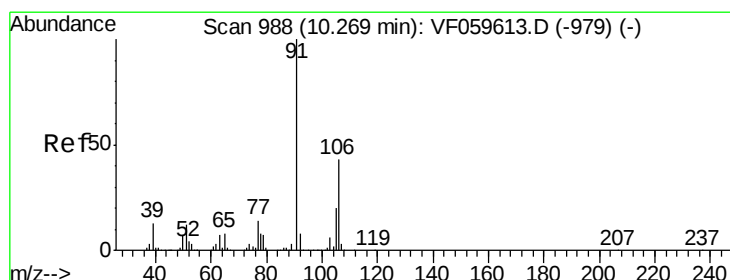
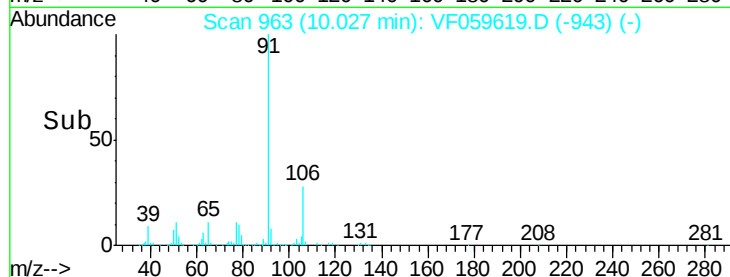
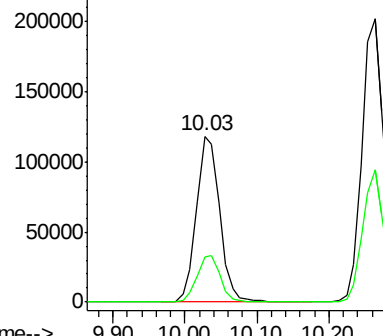
91 100

106 27.5 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 48.005 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059619.D

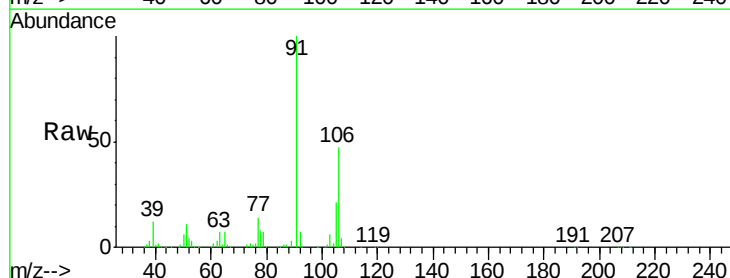
Acq: 23 Jul 2018 17:40

Tgt Ion: 106 Resp: 199170

Ion Ratio Lower Upper

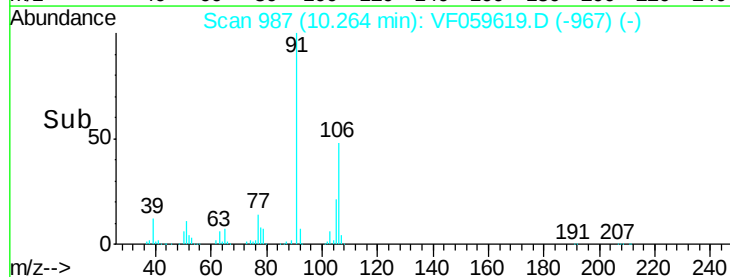
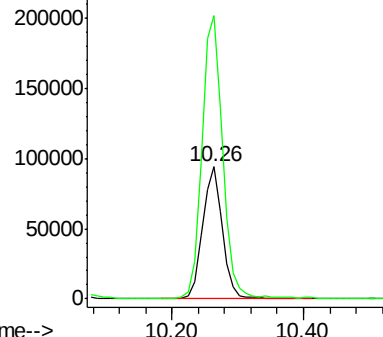
106 100

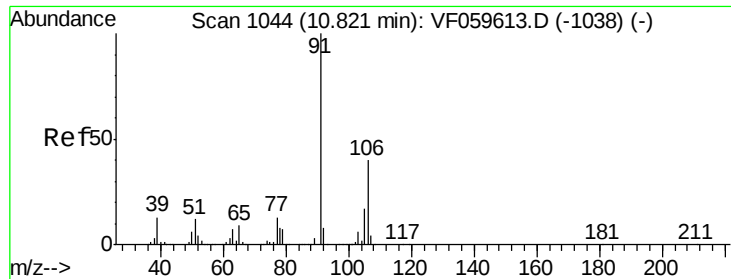
91 214.3 187.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

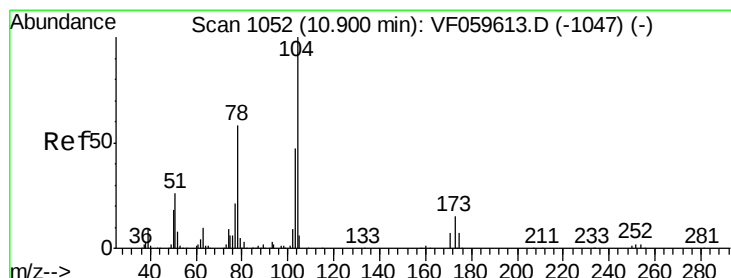
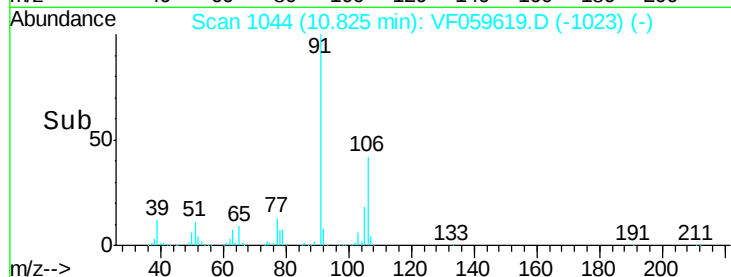
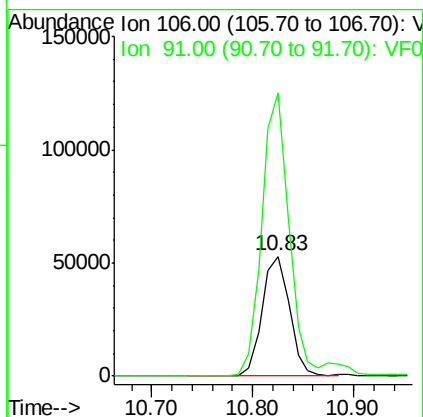
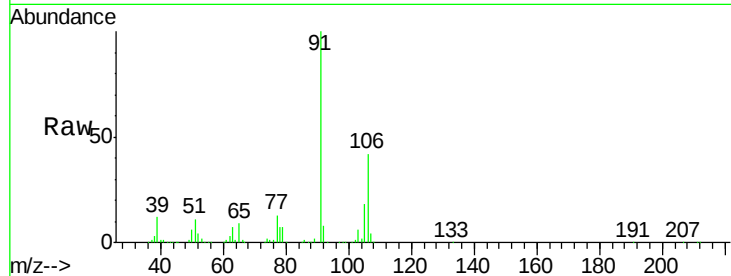




#69
o-Xylene
Concen: 22.315 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

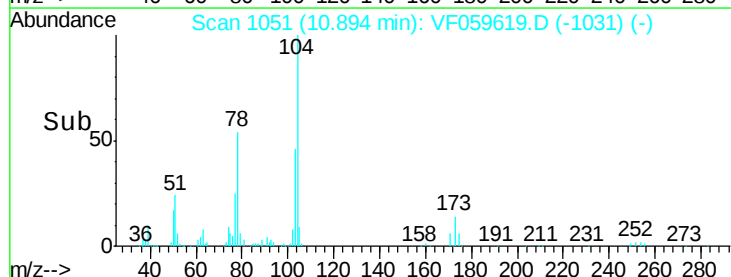
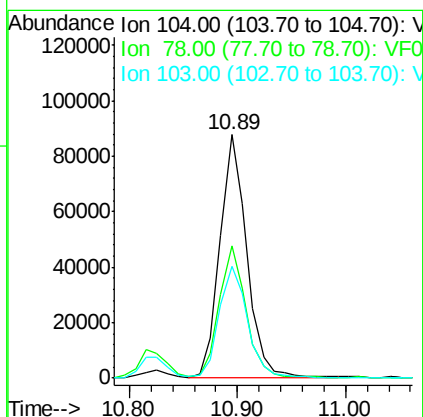
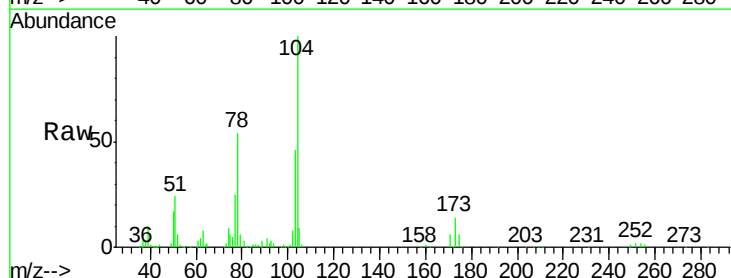
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

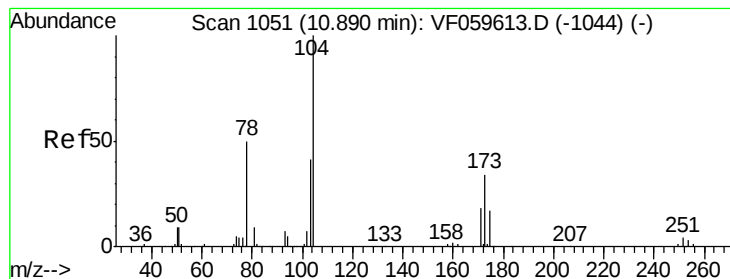
Tgt Ion:106 Resp: 100557
Ion Ratio Lower Upper
106 100
91 236.6 125.8 377.3



#70
Styrene
Concen: 22.376 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059619.D
Acq: 23 Jul 2018 17:40

Tgt Ion:104 Resp: 151234
Ion Ratio Lower Upper
104 100
78 54.3 47.4 71.2
103 45.9 38.8 58.2





#71

Bromoform

Concen: 19.562 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

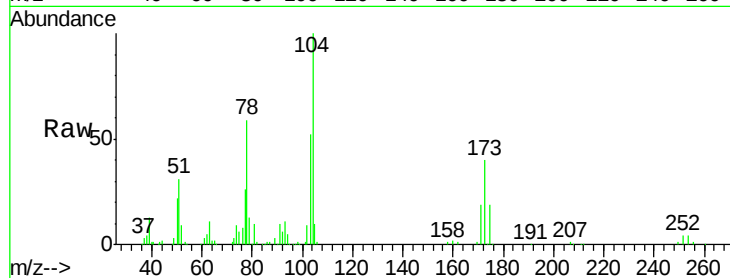
Tgt Ion:173 Resp: 36875

Ion Ratio Lower Upper

173 100

175 48.9 25.1 75.2

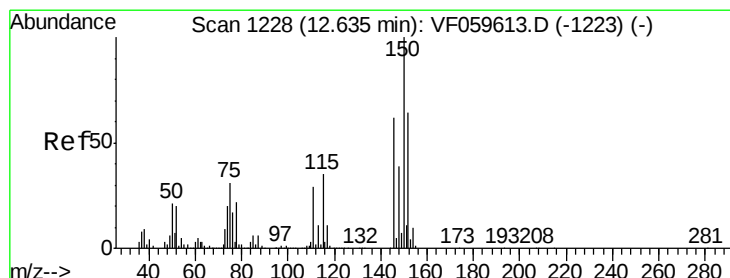
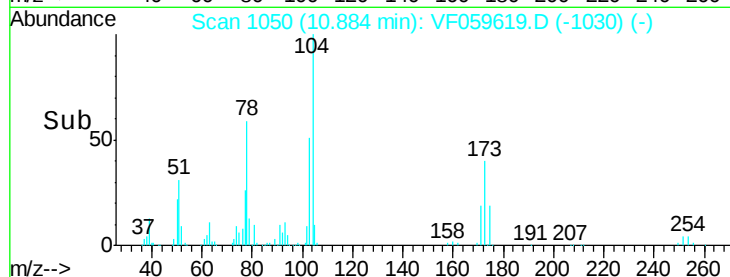
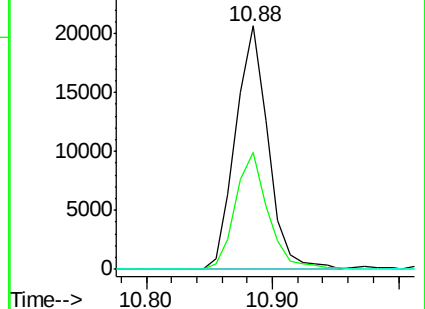
254 0.0 0.0 0.0



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. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

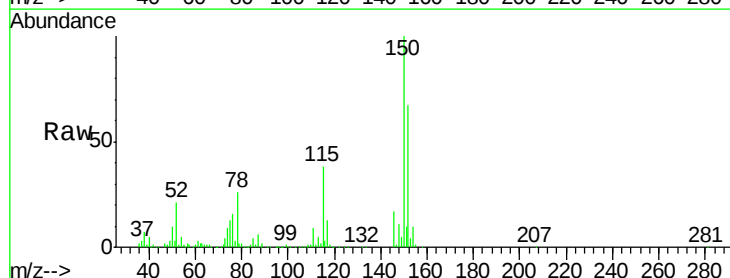
Tgt Ion:152 Resp: 228180

Ion Ratio Lower Upper

152 100

115 57.5 27.8 83.4

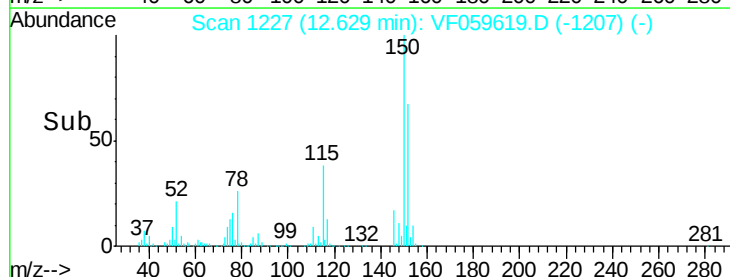
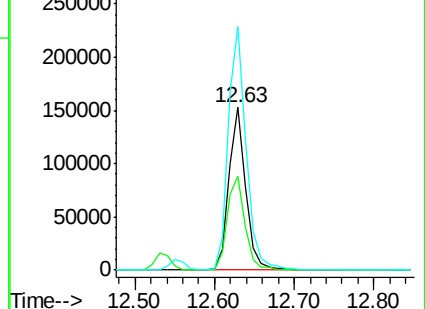
150 149.7 0.0 314.6

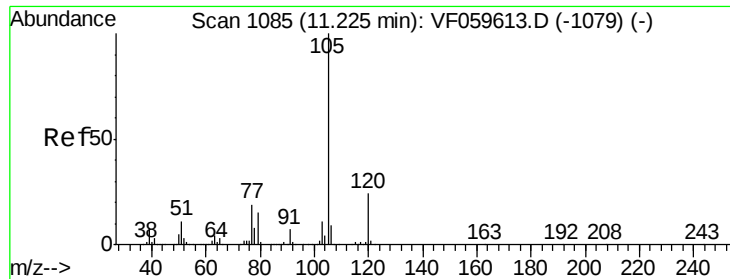


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.877 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

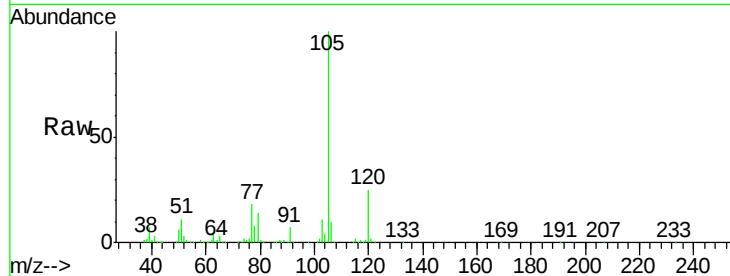
VF0723SBS01

Tgt Ion:105 Resp: 317056

Ion Ratio Lower Upper

105 100

120 24.6 11.8 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

200000

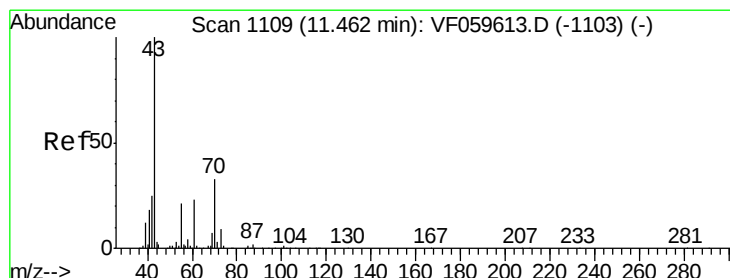
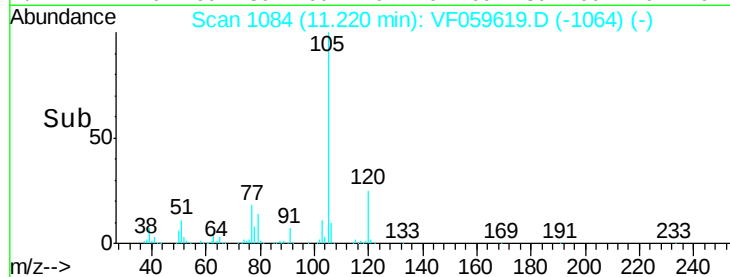
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.016 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Tgt Ion: 43 Resp: 65230

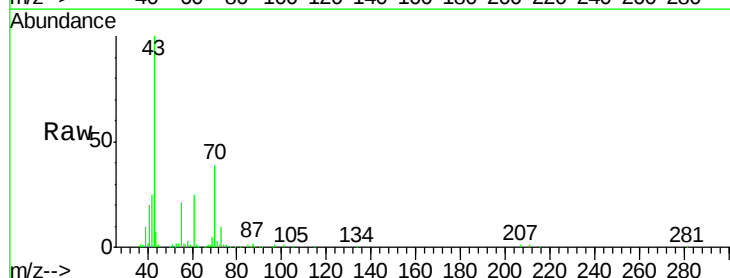
Ion Ratio Lower Upper

43 100

70 39.2 26.6 40.0

55 21.3 17.0 25.6

61 24.9 18.3 27.5



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

60000

50000

40000

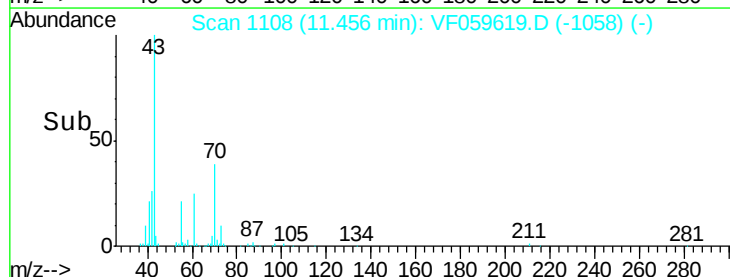
30000

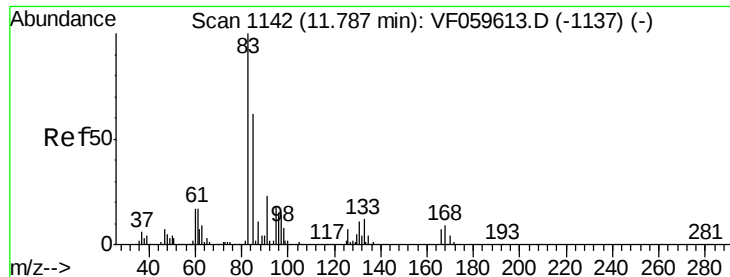
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.732 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

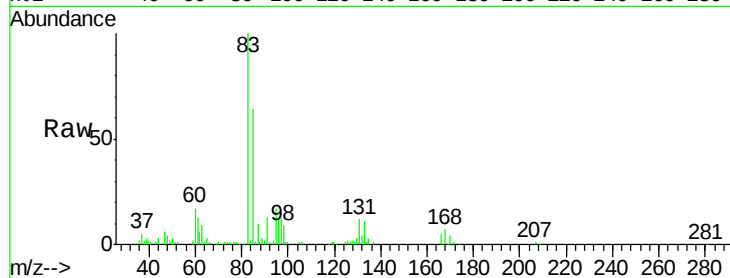
Tgt Ion: 83 Resp: 48007

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.0

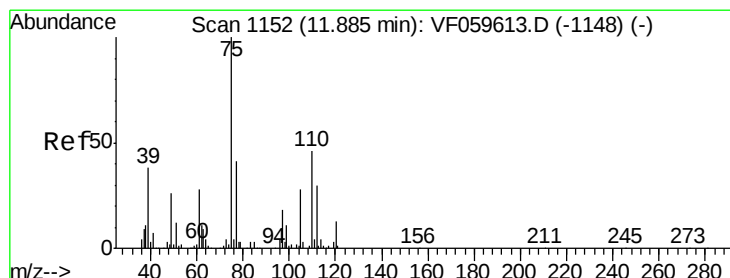
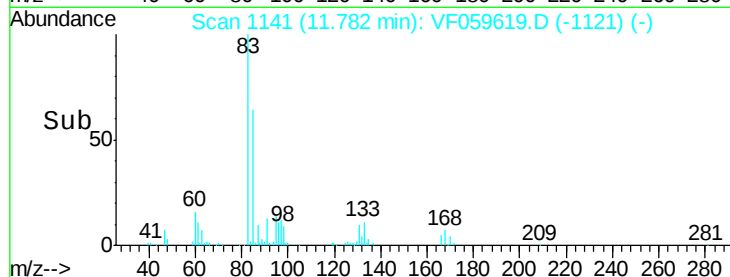
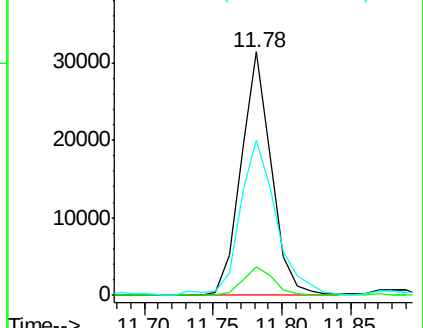
85 63.5 31.1 93.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.738 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059619.D

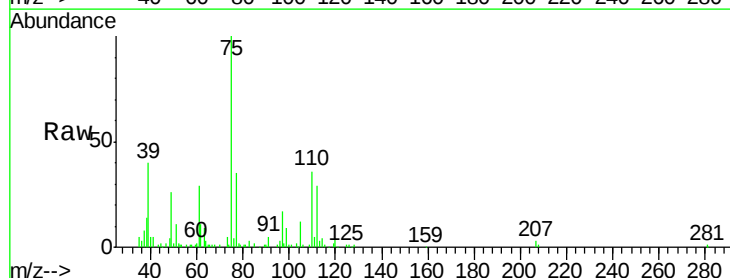
Acq: 23 Jul 2018 17:40

Tgt Ion: 75 Resp: 41952

Ion Ratio Lower Upper

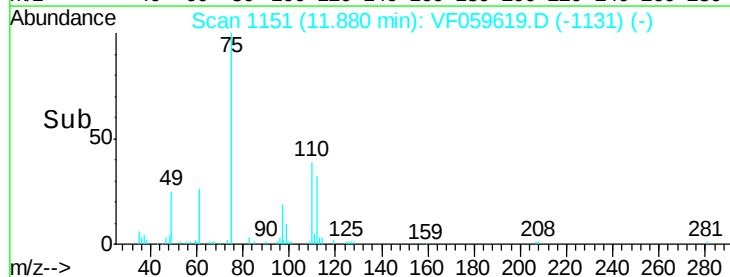
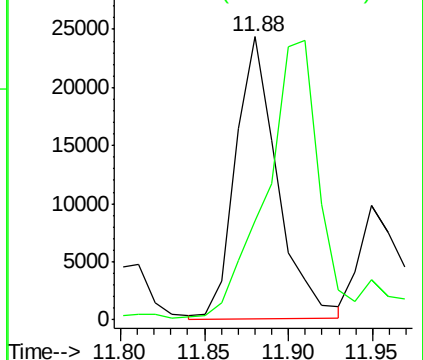
75 100

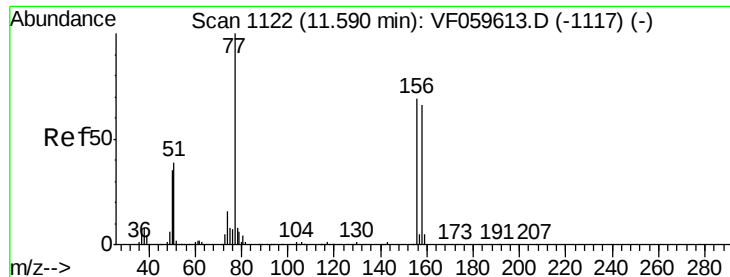
77 34.8 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.730 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

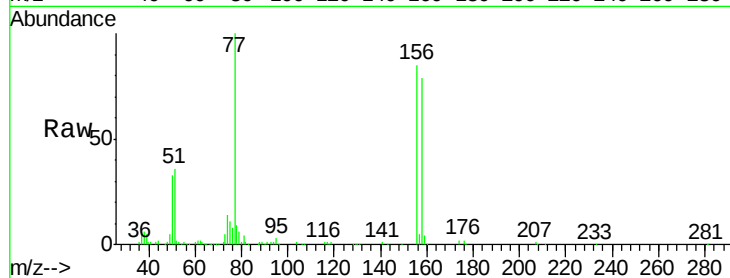
Tgt Ion:156 Resp: 81592

Ion Ratio Lower Upper

156 100

77 117.3 72.1 216.3

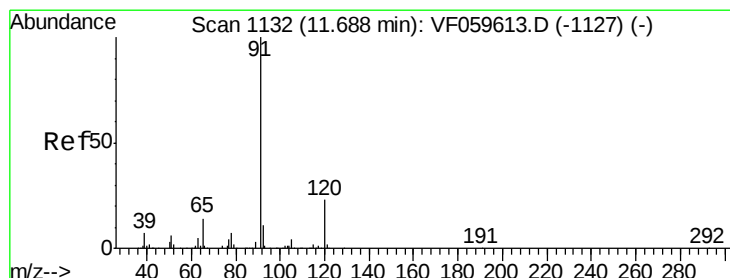
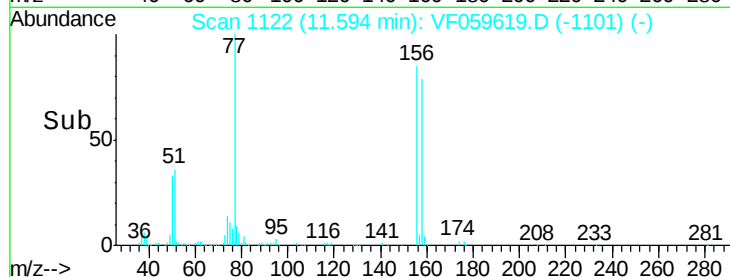
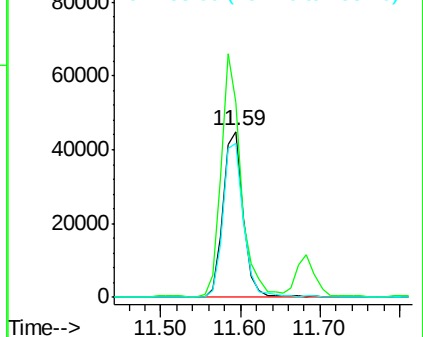
158 92.5 47.3 141.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.679 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059619.D

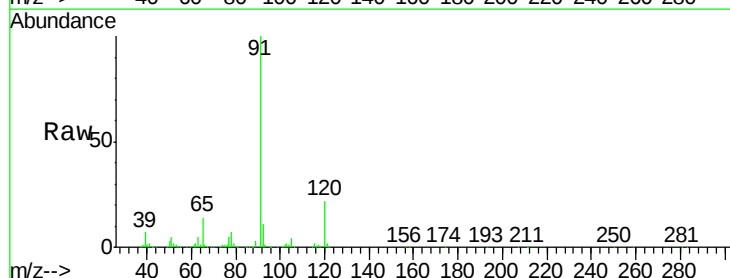
Acq: 23 Jul 2018 17:40

Tgt Ion: 91 Resp: 376501

Ion Ratio Lower Upper

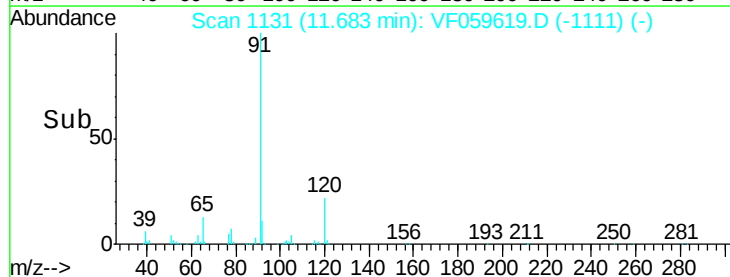
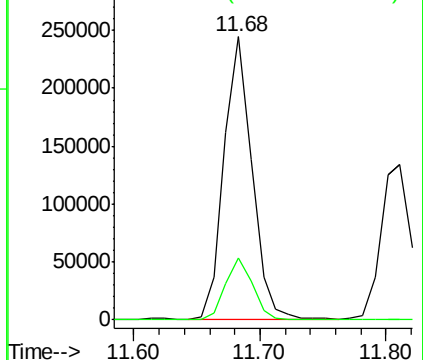
91 100

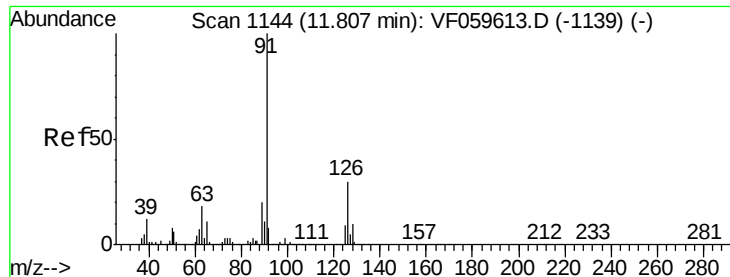
120 22.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.747 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

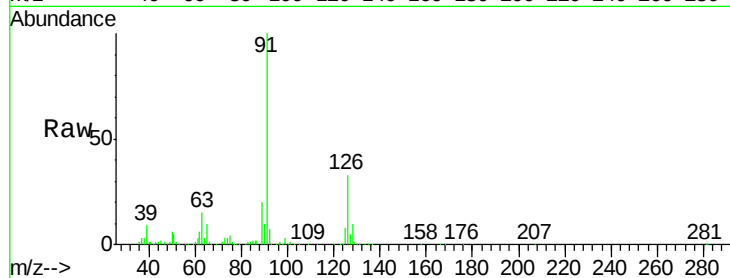
VF0723SBS01

Tgt Ion: 91 Resp: 226352

Ion Ratio Lower Upper

91 100

126 32.9 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.81

150000

100000

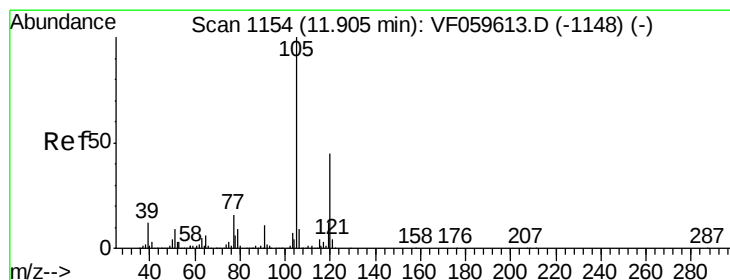
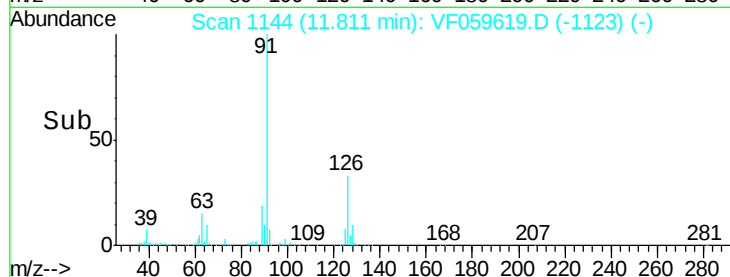
50000

0

11.80

11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.395 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059619.D

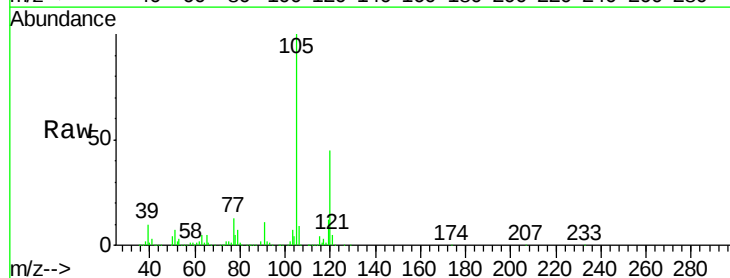
Acq: 23 Jul 2018 17:40

Tgt Ion: 105 Resp: 277566

Ion Ratio Lower Upper

105 100

120 45.5 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

200000

150000

100000

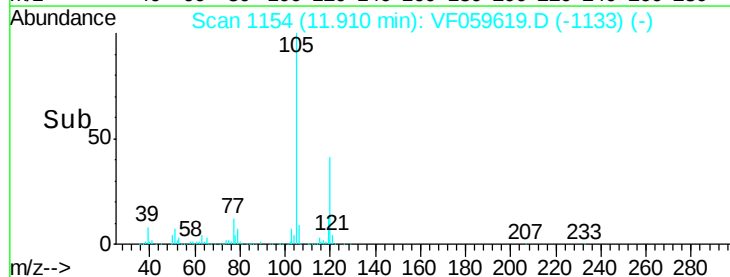
50000

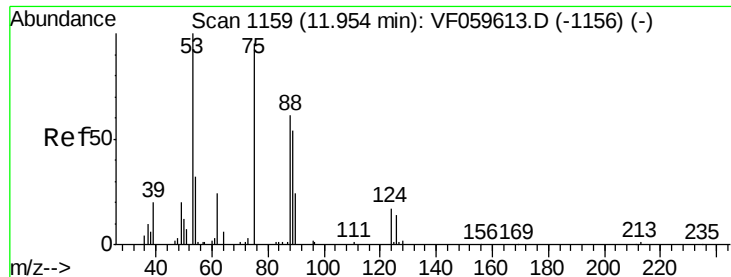
0

11.80

12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 27.408 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

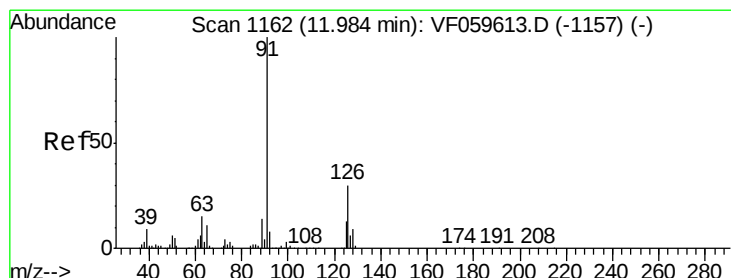
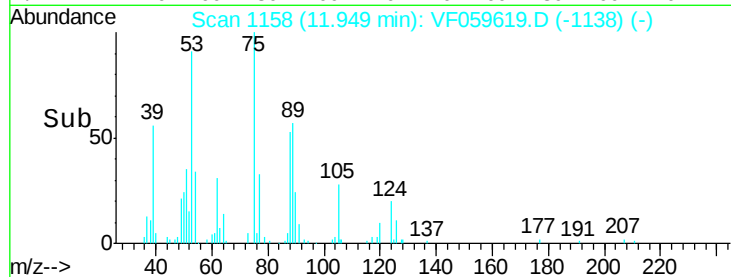
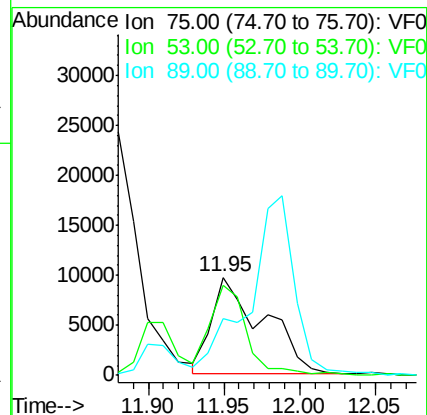
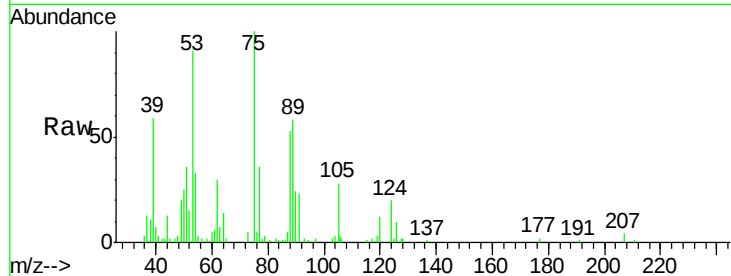
Tgt Ion: 75 Resp: 23105

Ion Ratio Lower Upper

75 100

53 91.3 86.4 129.6

89 57.8 46.8 70.2



#82

4-Chlorotoluene

Concen: 20.842 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059619.D

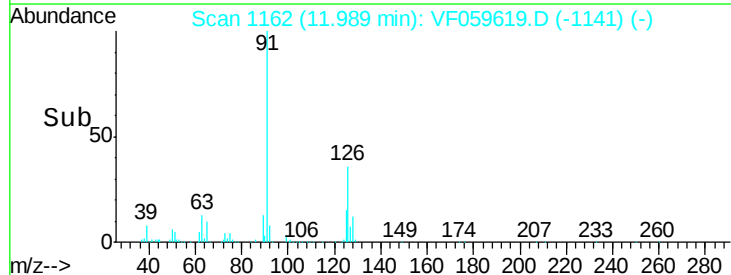
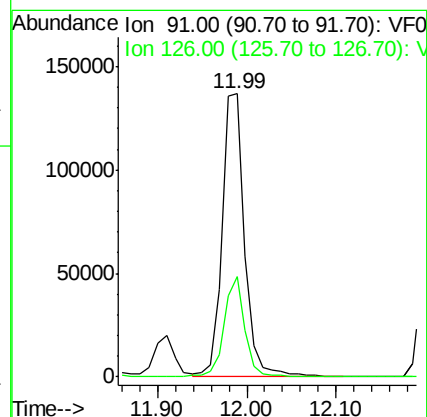
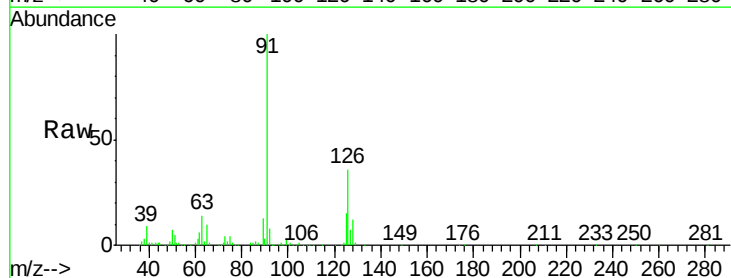
Acq: 23 Jul 2018 17:40

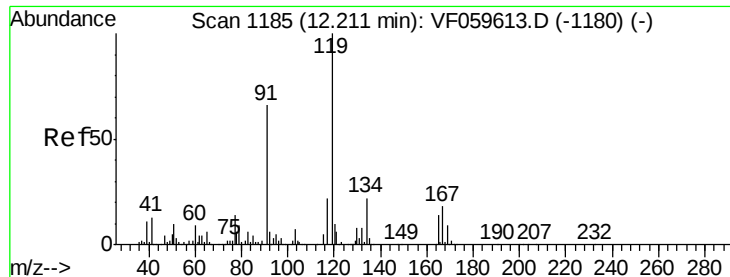
Tgt Ion: 91 Resp: 241294

Ion Ratio Lower Upper

91 100

126 35.6 14.7 44.1

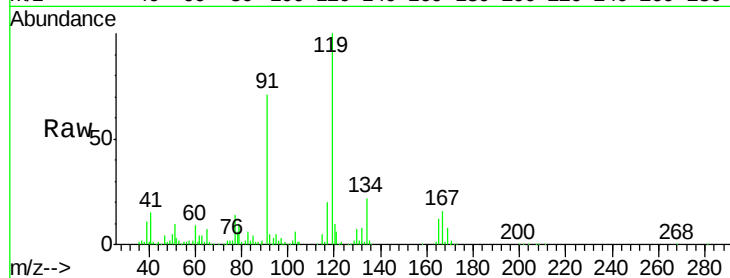




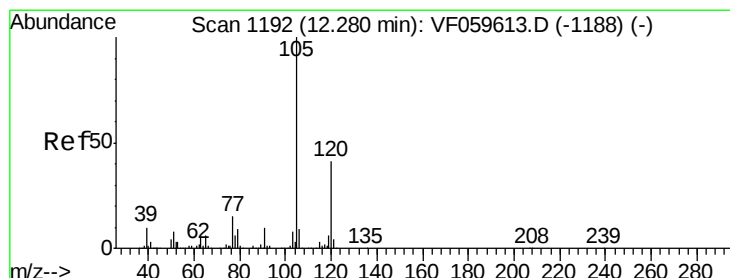
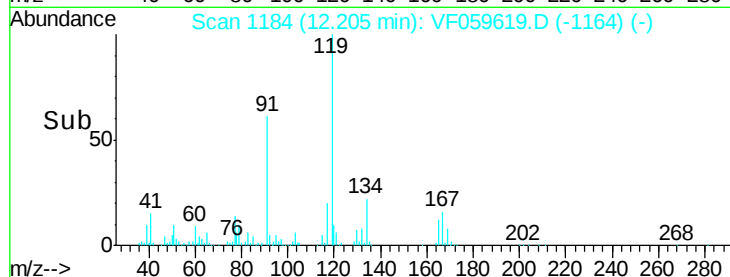
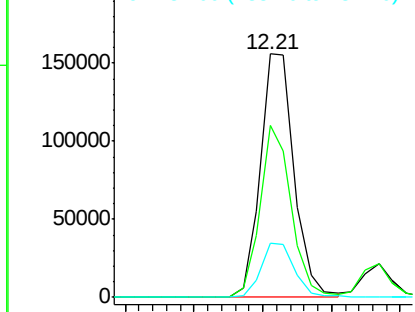
#83
 tert-Butylbenzene
 Concen: 20.786 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tgt Ion:119 Resp: 266648
 Ion Ratio Lower Upper
 119 100
 91 70.8 33.2 99.6
 134 22.1 10.9 32.6

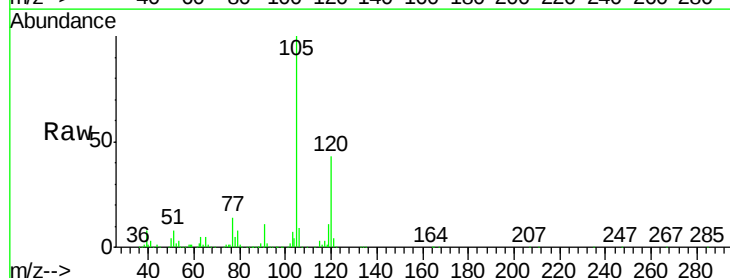


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

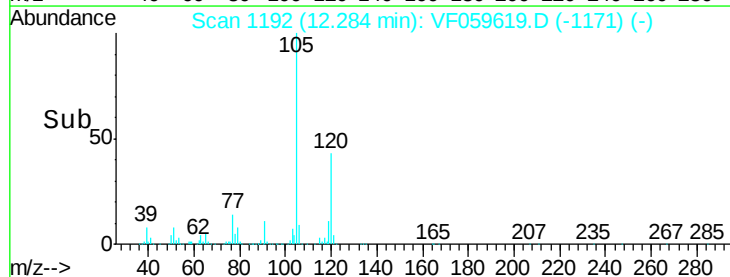
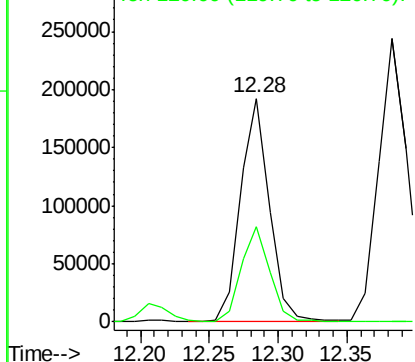


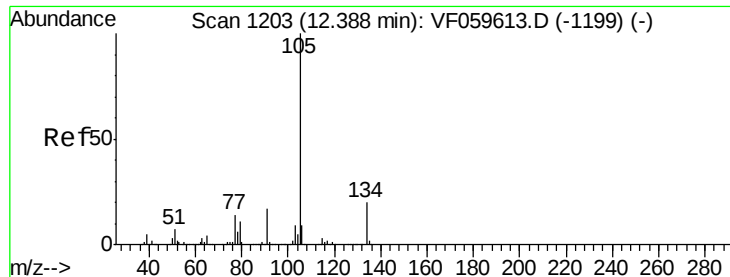
#84
 1,2,4-Trimethylbenzene
 Concen: 21.422 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion:105 Resp: 282727
 Ion Ratio Lower Upper
 105 100
 120 42.7 20.4 61.3



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

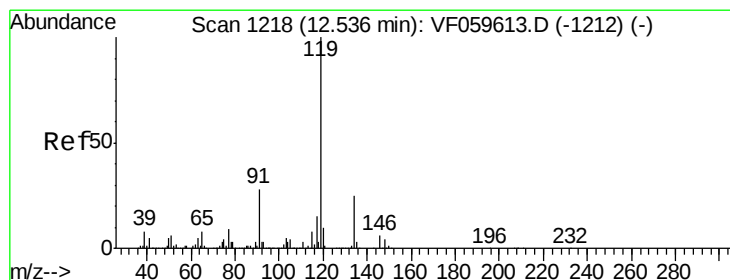
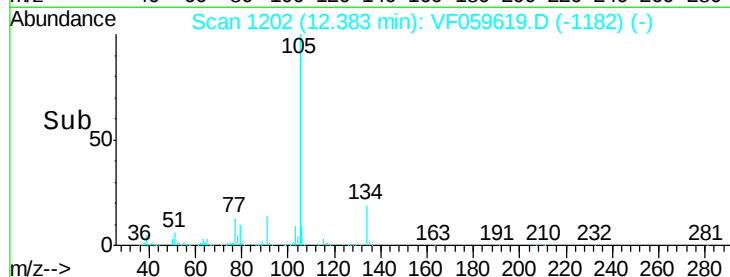
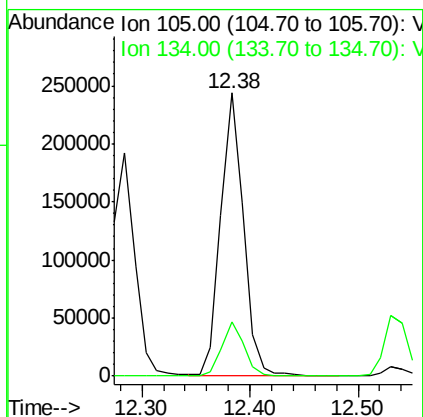
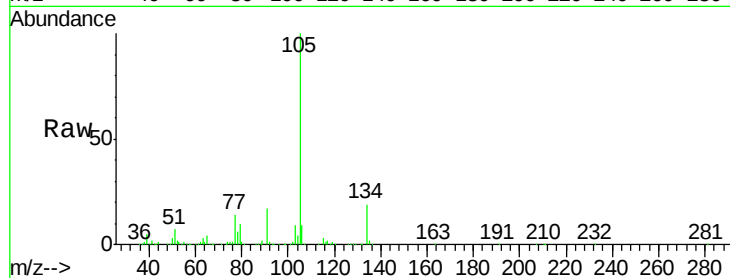




#85
 sec-Butylbenzene
 Concen: 21.672 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

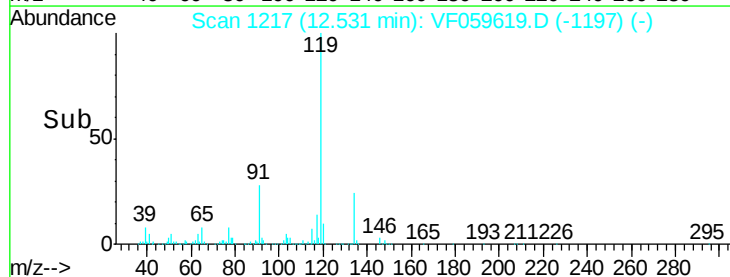
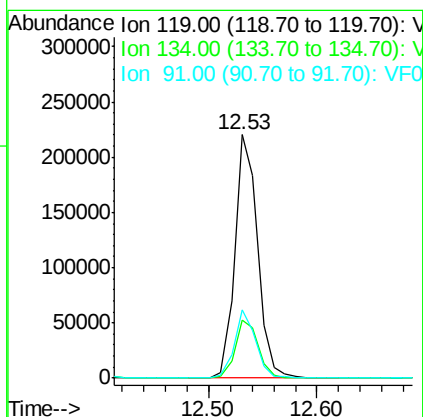
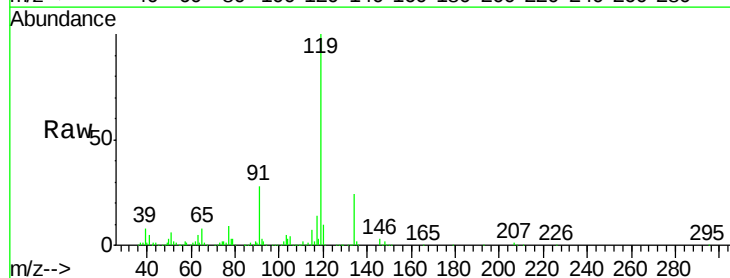
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

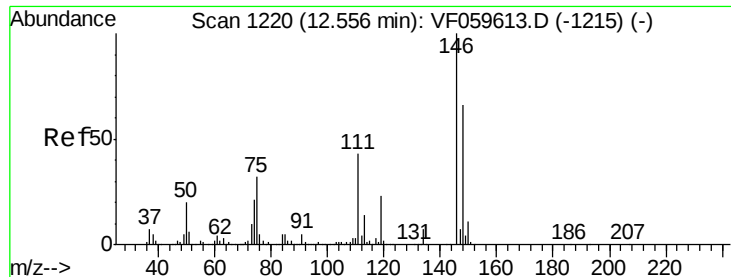
Tgt Ion:105 Resp: 359344
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 22.037 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion:119 Resp: 321592
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.4 37.2
 91 27.8 13.9 41.7

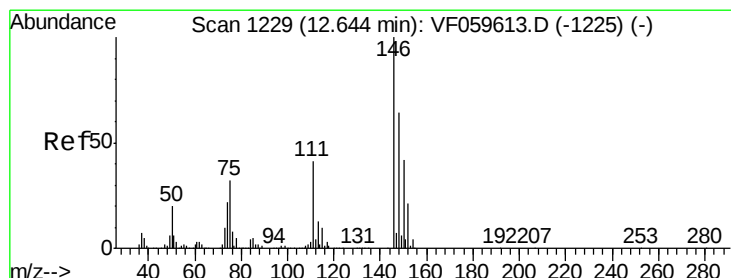
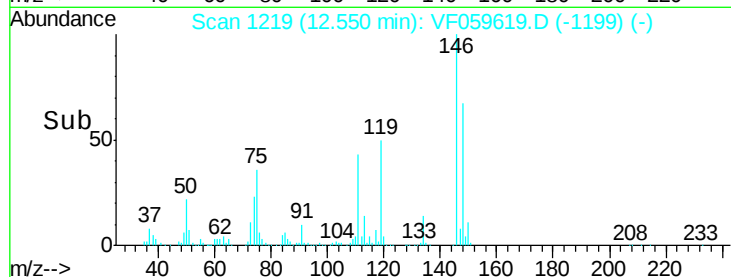
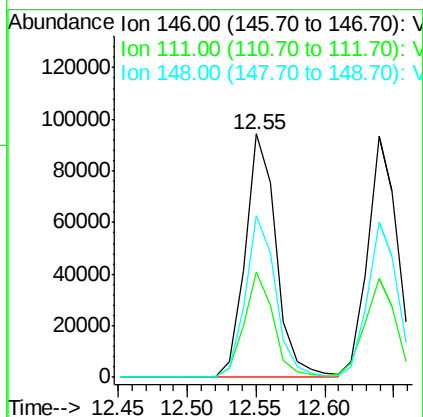
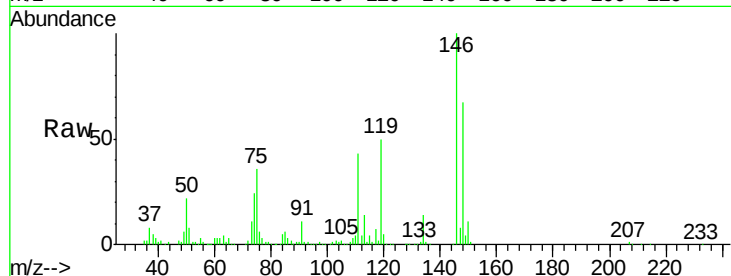




#87
 1,3-Dichlorobenzene
 Concen: 20.592 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

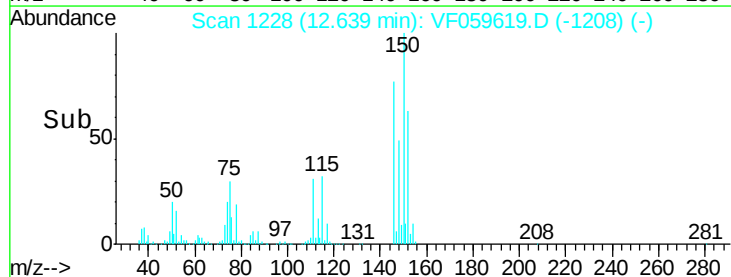
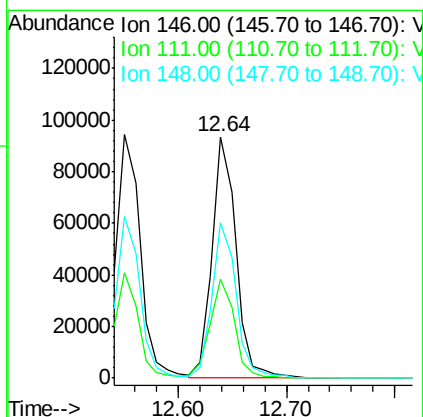
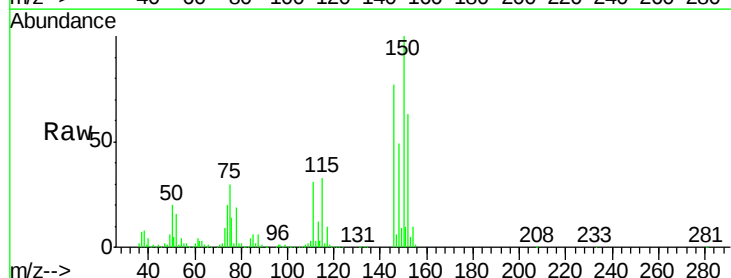
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

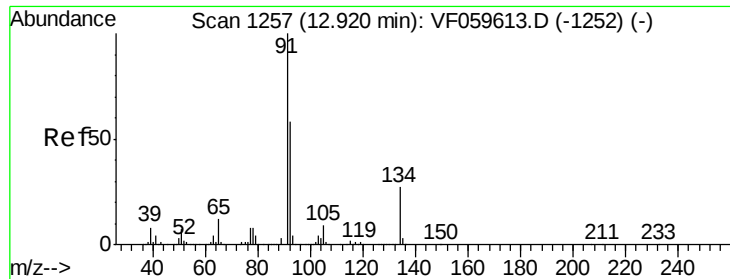
Tgt Ion:146 Resp: 148263
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 64.8
 148 66.6 33.1 99.3



#88
 1,4-Dichlorobenzene
 Concen: 21.295 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion:146 Resp: 143851
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.5 61.5
 148 64.3 32.3 96.8





#89

n-Butylbenzene

Concen: 22.022 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

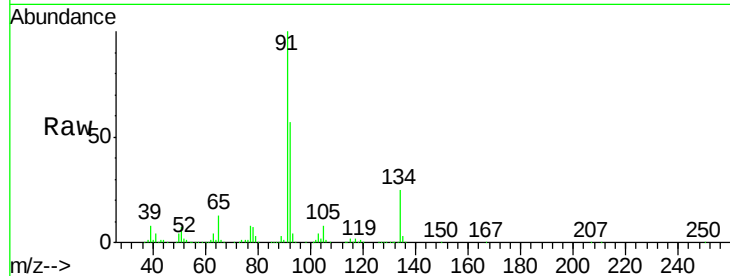
Tgt Ion: 91 Resp: 307063

Ion Ratio Lower Upper

91 100

92 57.0 28.8 86.4

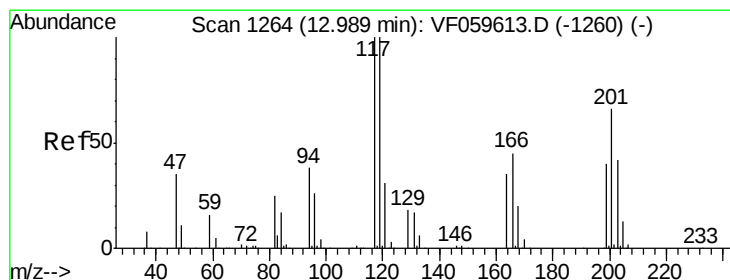
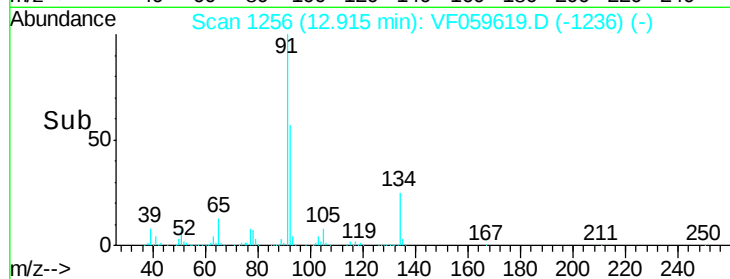
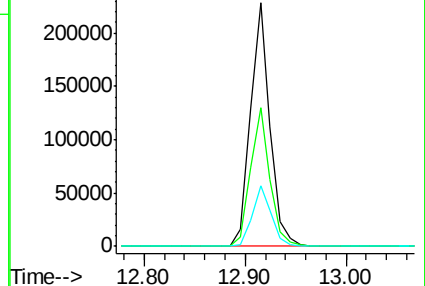
134 25.0 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.041 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059619.D

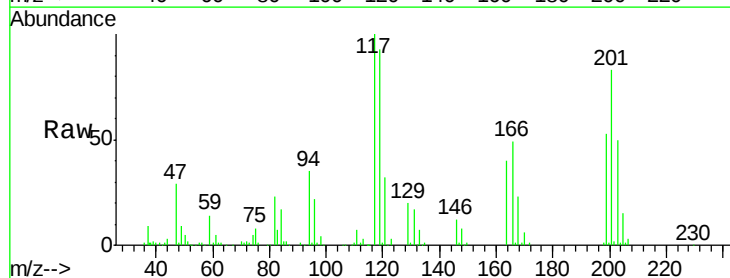
Acq: 23 Jul 2018 17:40

Tgt Ion: 117 Resp: 72457

Ion Ratio Lower Upper

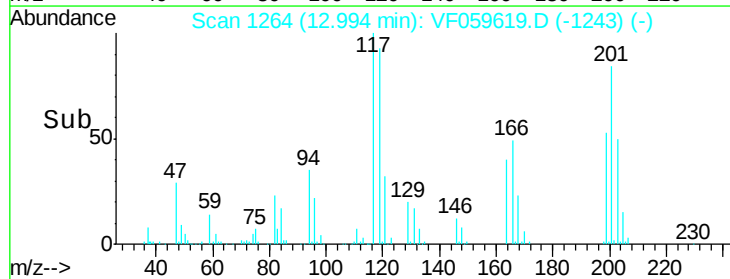
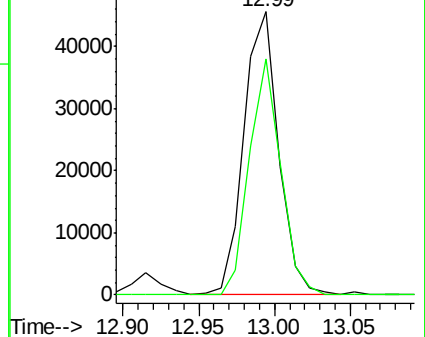
117 100

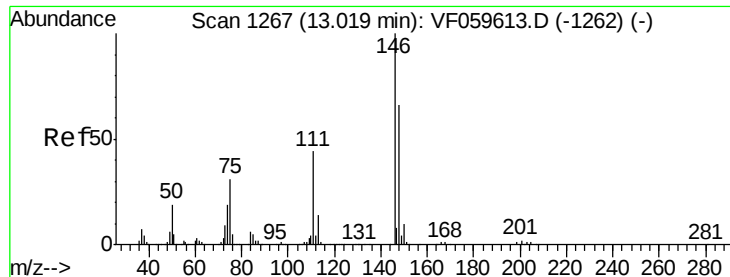
201 85.9 33.6 100.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

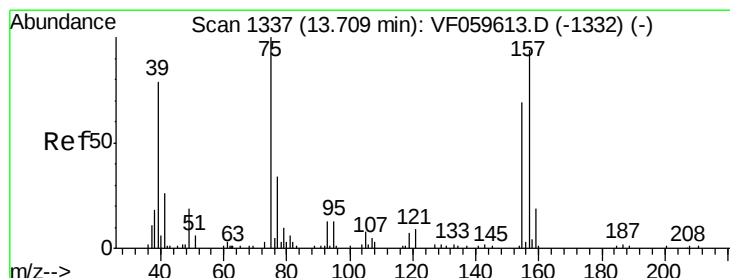
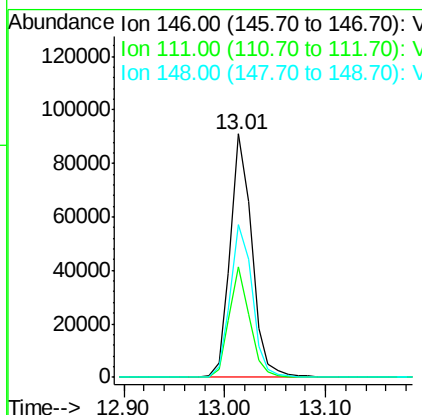
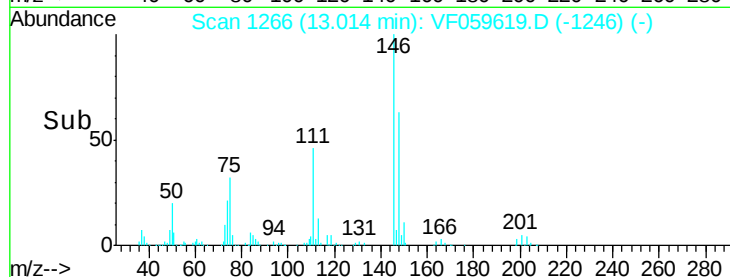
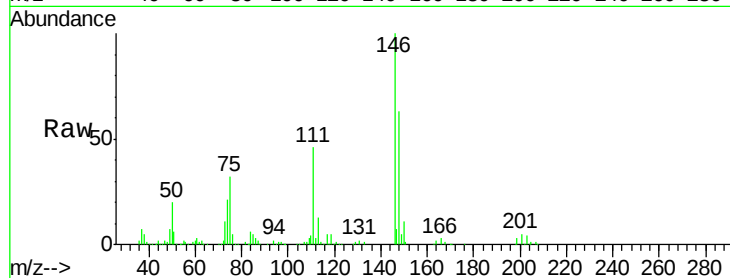




#91
 1,2-Dichlorobenzene
 Concen: 20.247 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

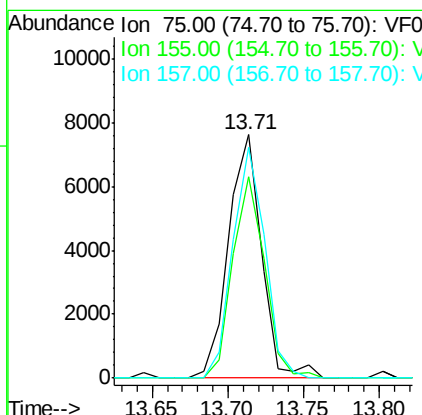
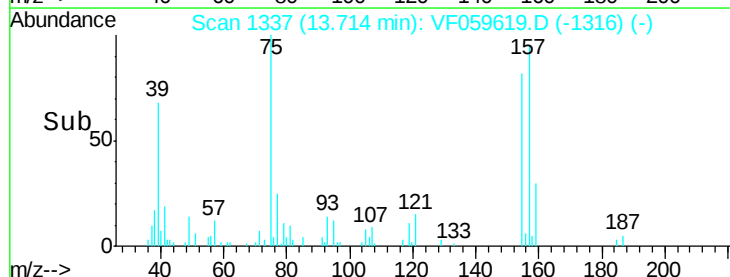
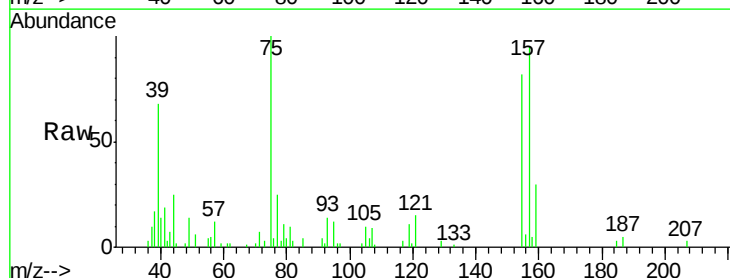
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

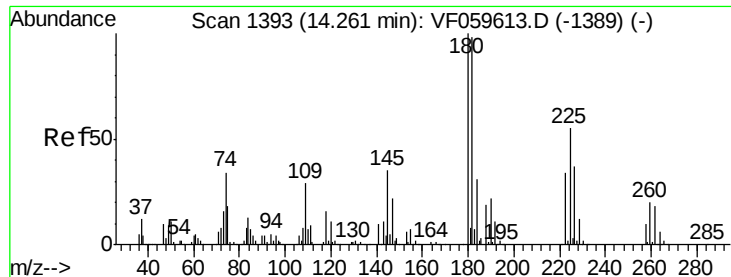
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.8	65.3
148	62.8	32.9	98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.732 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	34.6	103.8
157	95.0	47.0	141.0

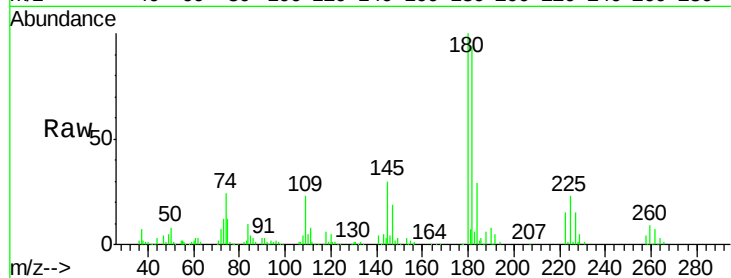




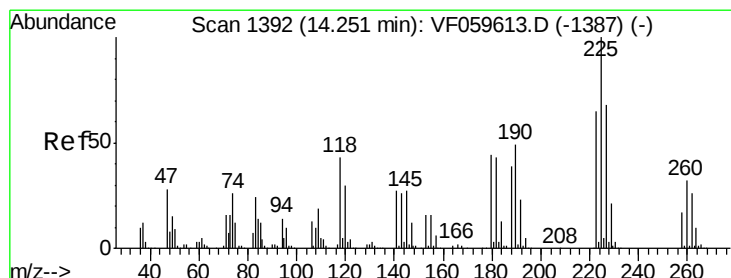
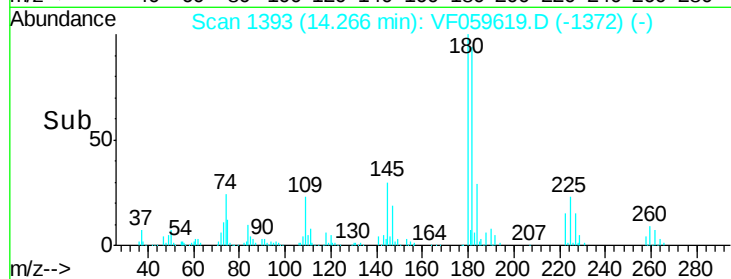
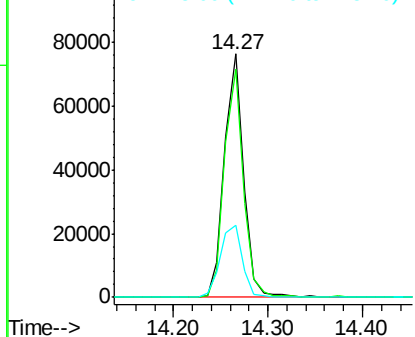
#93
 1,2,4-Trichlorobenzene
 Concen: 21.434 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tgt Ion:180 Resp: 107516
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.8 146.3
 145 29.7 17.5 52.6

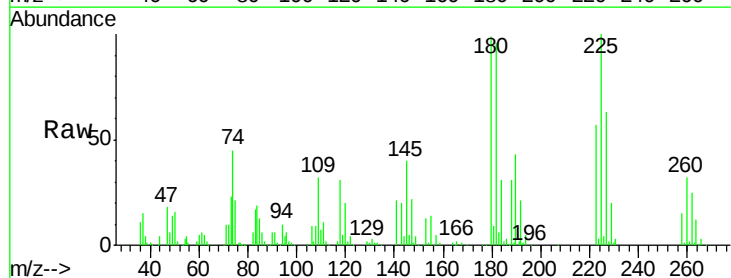


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

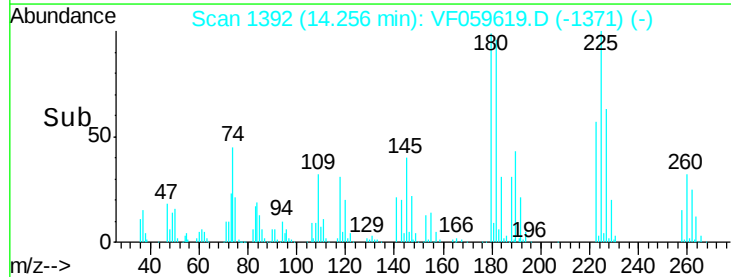
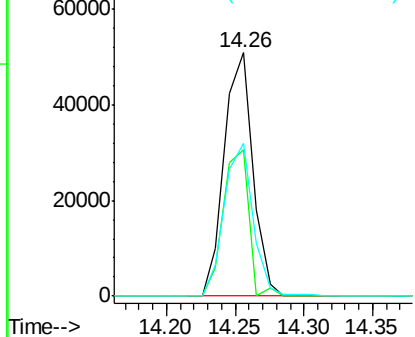


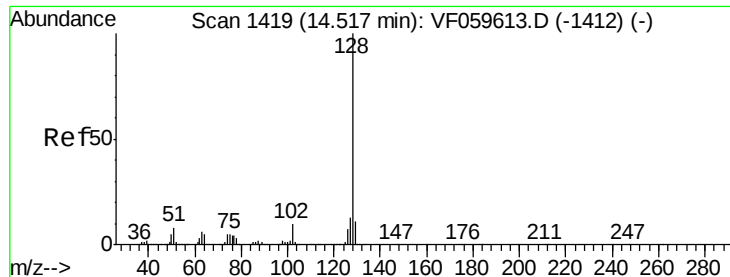
#94
 Hexachlorobutadiene
 Concen: 21.049 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059619.D
 Acq: 23 Jul 2018 17:40

Tgt Ion:225 Resp: 73503
 Ion Ratio Lower Upper
 225 100
 223 60.1 32.6 98.0
 227 62.6 33.9 101.6



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





#95

Naphthalene

Concen: 20.029 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

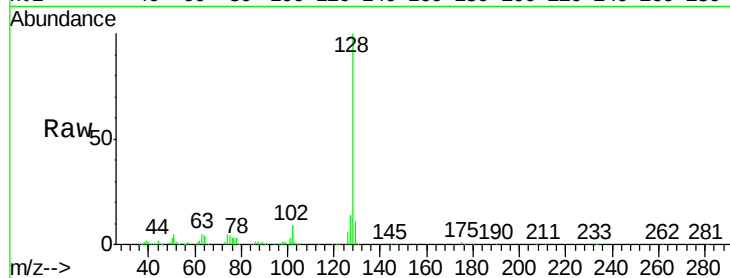
Tgt Ion:128 Resp: 163172

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

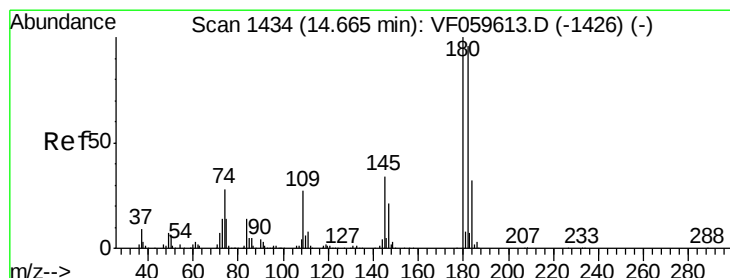
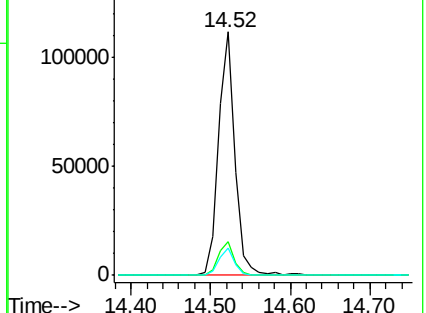
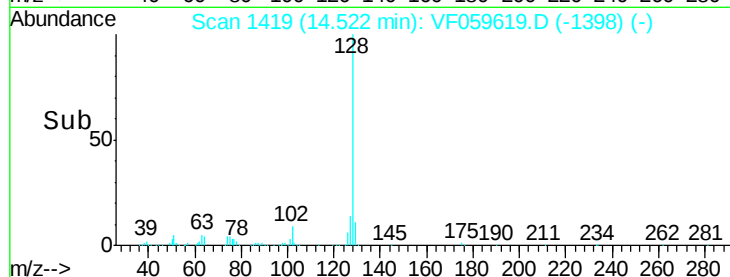
129 11.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.610 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059619.D

Acq: 23 Jul 2018 17:40

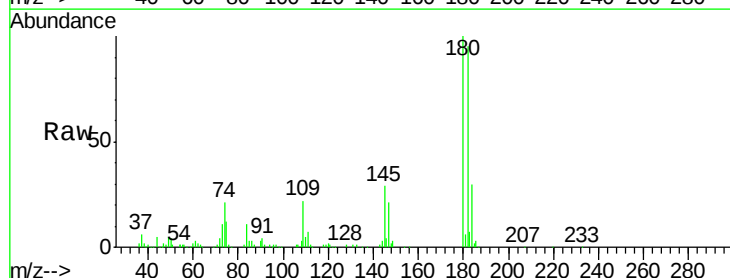
Tgt Ion:180 Resp: 93982

Ion Ratio Lower Upper

180 100

182 95.3 48.0 144.2

145 28.7 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

