

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059639.D
 Acq On : 24 Jul 2018 18:26
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 25 01:00:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	330278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	308590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	193084	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	325126	91.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.88%	
35) Dibromofluoromethane	4.28	113	286229	94.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.44%	
50) Toluene-d8	7.70	98	725288	95.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.76%	
62) 4-Bromofluorobenzene	11.50	95	355466	82.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	244978	86.820	ug/l	99
3) Chloromethane	1.08	50	132425	99.399	ug/l	97
4) Vinyl Chloride	1.16	62	137781	94.075	ug/l	95
5) Bromomethane	1.33	94	106805	85.505	ug/l	95
6) Chloroethane	1.41	64	81253	90.856	ug/l	91
7) Trichlorofluoromethane	1.52	101	210991	53.280	ug/l	99
8) Diethyl Ether	1.70	74	53305	95.157	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	192016	94.381	ug/l	94
10) Methyl Iodide	1.92	142	140031	41.793	ug/l	97
11) Tert butyl alcohol	2.67	59	58118	409.520	ug/l #	91
12) 1,1-Dichloroethene	1.85	96	152602	96.053	ug/l	83
13) Acrolein	2.08	56	31554	452.920	ug/l	84
14) Allyl chloride	2.18	41	259787	90.372	ug/l	97
15) Acrylonitrile	3.06	53	106757	487.096	ug/l #	84
16) Acetone	2.33	43	216421	364.234	ug/l	99
17) Carbon Disulfide	1.84	76	371942	90.067	ug/l	99
18) Methyl Acetate	2.44	43	77316	76.698	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	414486	90.095	ug/l	99
20) Methylene Chloride	2.27	84	135274	75.261	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	152000	92.209	ug/l	97
22) Diisopropyl ether	2.91	45	509913	97.014	ug/l	97
23) Vinyl Acetate	3.32	43	1227108	468.478	ug/l	97
24) 1,1-Dichloroethane	2.99	63	352664	93.147	ug/l	99
25) 2-Butanone	4.50	43	278127	448.384	ug/l	94
26) 2,2-Dichloropropane	3.75	77	269767	85.585	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	189792	100.332	ug/l	94
28) Bromochloromethane	3.87	49	117953	84.771	ug/l	91
29) Tetrahydrofuran	4.24	42	107468	425.249	ug/l	95
30) Chloroform	4.03	83	482741	92.368	ug/l	97
31) Cyclohexane	3.85	56	199300	93.901	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	393970	84.272	ug/l	97
36) 1,1-Dichloropropene	4.44	75	314173	94.592	ug/l	99
37) Ethyl Acetate	4.27	43	118883	90.959	ug/l #	69
38) Carbon Tetrachloride	4.15	117	407967	81.149	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059639.D
 Acq On : 24 Jul 2018 18:26
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 25 01:00:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	253497	94.625	ug/l	95
40) Benzene	4.79	78	558770	92.026	ug/l	98
41) Methacrylonitrile	4.90	41	59424	92.048	ug/l	92
42) 1,2-Dichloroethane	5.10	62	339569	84.529	ug/l	100
43) Isopropyl Acetate	7.10	43	149782	92.027	ug/l #	99
44) Trichloroethene	5.66	130	208345	89.928	ug/l	92
45) 1,2-Dichloropropane	6.39	63	152926	94.193	ug/l	99
46) Dibromomethane	6.24	93	124903	94.636	ug/l	99
47) Bromodichloromethane	6.53	83	374050	92.550	ug/l	92
48) Methyl methacrylate	6.86	41	110121	88.863	ug/l	93
49) 1,4-Dioxane	6.84	88	15861	1820.775	ug/l #	91
51) 4-Methyl-2-Pentanone	8.39	43	530974	436.088	ug/l	98
52) Toluene	7.77	92	391299	85.209	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	289654	85.626	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	311608	92.470	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	136639	89.696	ug/l	99
56) Ethyl methacrylate	8.75	69	150128	88.899	ug/l	93
57) 1,3-Dichloropropane	8.99	76	232454	87.323	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	83532	416.725	ug/l	100
59) 2-Hexanone	9.61	43	407286	421.048	ug/l	93
60) Dibromochloromethane	8.86	129	248369	90.797	ug/l	97
61) 1,2-Dibromoethane	9.12	107	159204	90.802	ug/l	100
64) Tetrachloroethene	8.29	164	220340	95.363	ug/l	96
65) Chlorobenzene	9.93	112	531489	94.468	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	238550	93.063	ug/l	98
67) Ethyl Benzene	10.03	91	927299	91.006	ug/l	99
68) m/p-Xylenes	10.25	106	661935	187.244	ug/l	99
69) o-Xylene	10.82	106	370931	97.300	ug/l	94
70) Styrene	10.90	104	506908	89.258	ug/l	98
71) Bromoform	10.88	173	142426	90.513	ug/l	91
73) Isopropylbenzene	11.22	105	1094303	89.398	ug/l	100
74) N-amyl acetate	11.46	43	271206	100.868	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	176309	87.132	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	147954	83.487	ug/l	97
77) Bromobenzene	11.59	156	270921	86.773	ug/l	99
78) n-propylbenzene	11.68	91	1273422	87.206	ug/l	95
79) 2-Chlorotoluene	11.80	91	775526	88.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	984169	89.589	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	89557	122.074	ug/l	97
82) 4-Chlorotoluene	11.98	91	851274	87.477	ug/l	97
83) tert-Butylbenzene	12.21	119	977719	90.114	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	973325	87.475	ug/l	97
85) sec-Butylbenzene	12.38	105	1257591	89.278	ug/l	99
86) p-Isopropyltoluene	12.53	119	1134380	91.997	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	511305	84.321	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	513375	90.817	ug/l	96
89) n-Butylbenzene	12.92	91	1068475	90.201	ug/l	93
90) Hexachloroethane	12.99	117	275282	89.427	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	499404	87.536	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	48421	98.361	ug/l	99

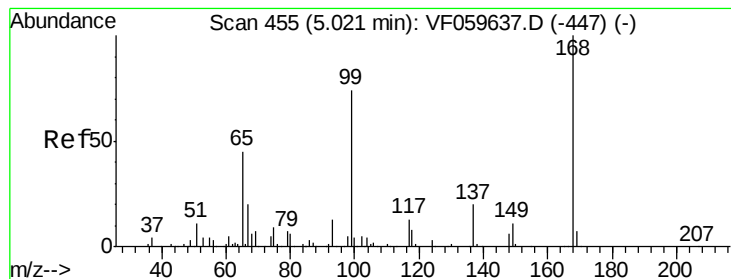
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
Data File : VF059639.D
Acq On : 24 Jul 2018 18:26
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 87 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: Jul 25 01:00:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	393630	92.332	ug/l	97
94) Hexachlorobutadiene	14.25	225	277313	93.192	ug/l	94
95) Naphthalene	14.51	128	715621	104.131	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	368963	95.457	ug/l	98

(#) = 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: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

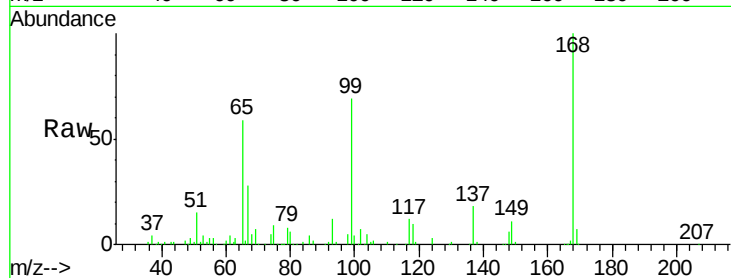
VSTDIC100

Tgt Ion:168 Resp: 229341

Ion Ratio Lower Upper

168 100

99 69.0 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

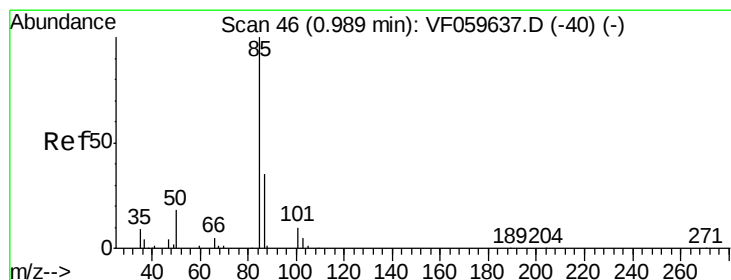
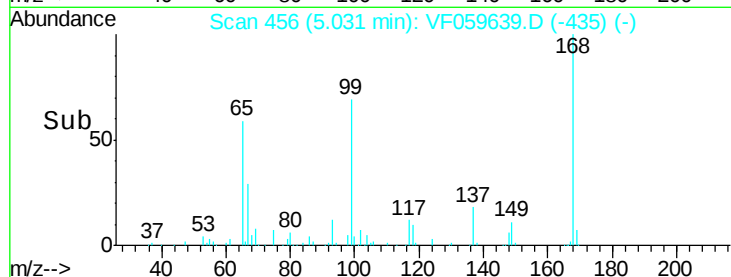
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 86.820 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059639.D

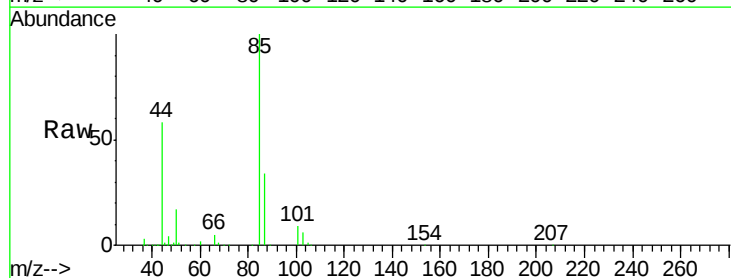
Acq: 24 Jul 2018 18:26

Tgt Ion: 85 Resp: 244978

Ion Ratio Lower Upper

85 100

87 34.0 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

80000

60000

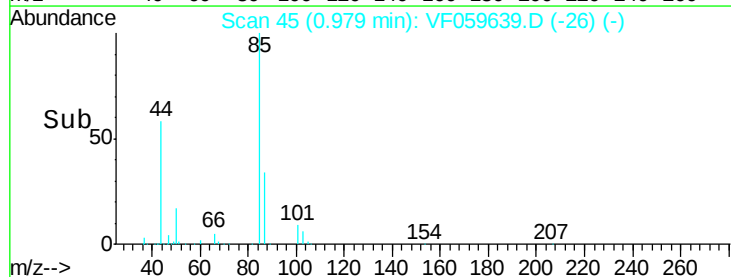
40000

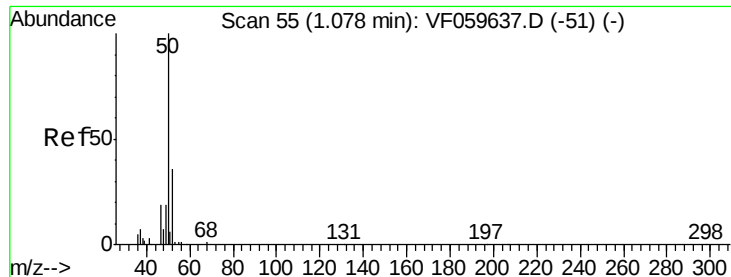
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 99.399 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

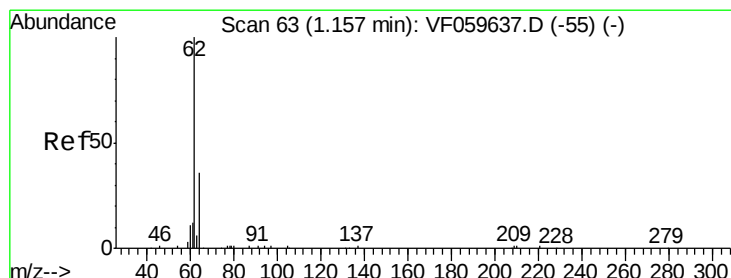
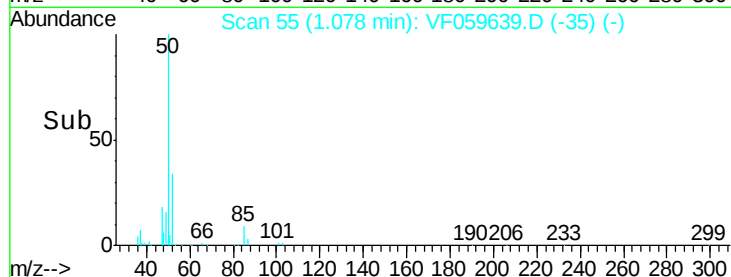
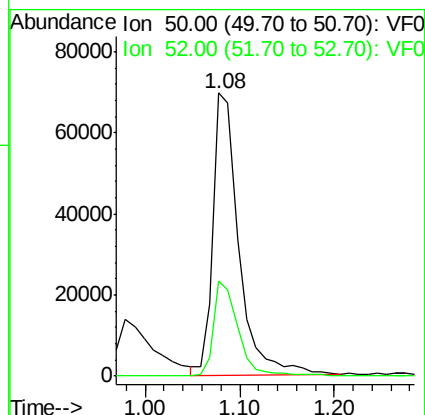
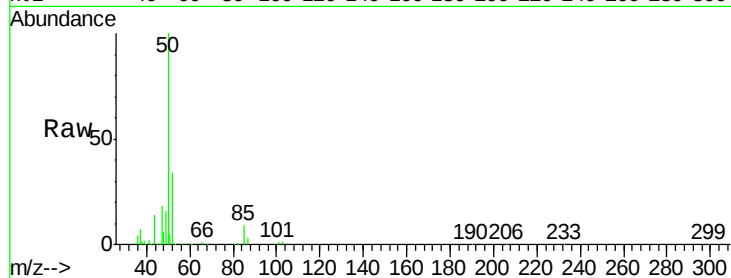
VSTDIC100

Tgt Ion: 50 Resp: 132425

Ion Ratio Lower Upper

50 100

52 33.5 28.0 42.0



#4

Vinyl Chloride

Concen: 94.075 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059639.D

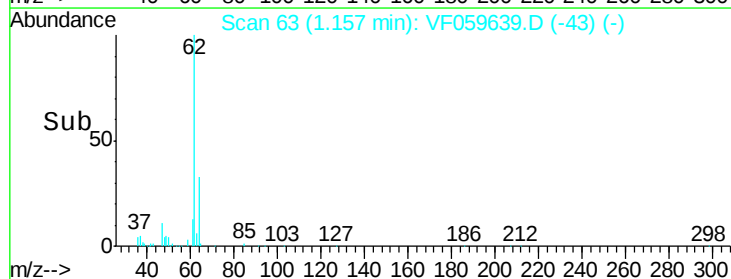
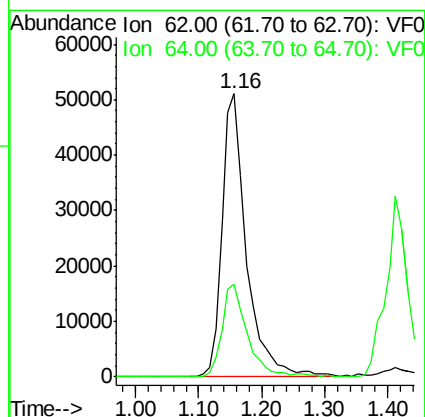
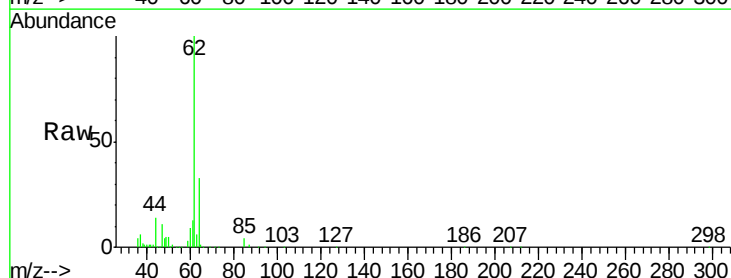
Acq: 24 Jul 2018 18:26

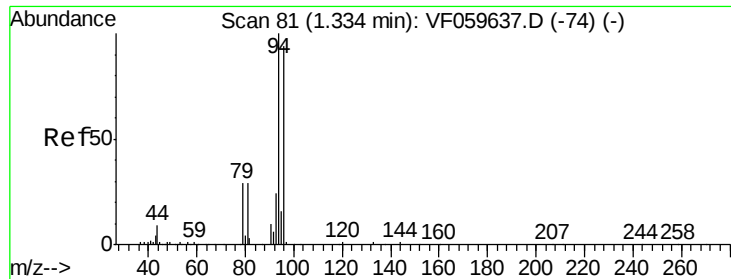
Tgt Ion: 62 Resp: 137781

Ion Ratio Lower Upper

62 100

64 32.9 28.6 43.0





#5

Bromomethane

Concen: 85.505 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

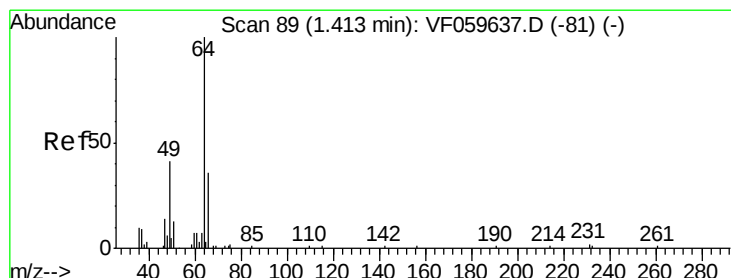
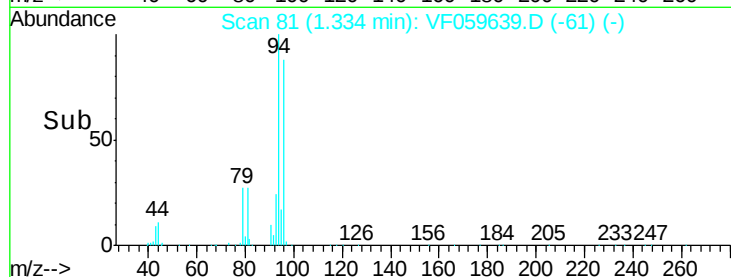
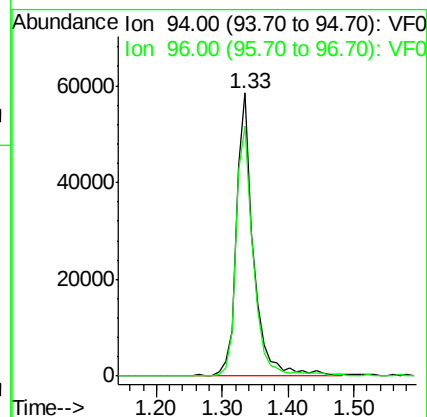
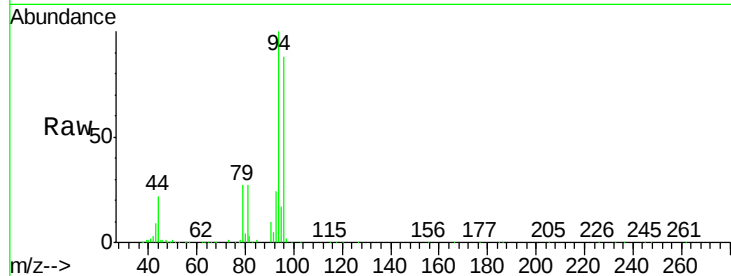
VSTDIC100

Tgt Ion: 94 Resp: 106805

Ion Ratio Lower Upper

94 100

96 88.4 74.6 112.0



#6

Chloroethane

Concen: 90.856 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059639.D

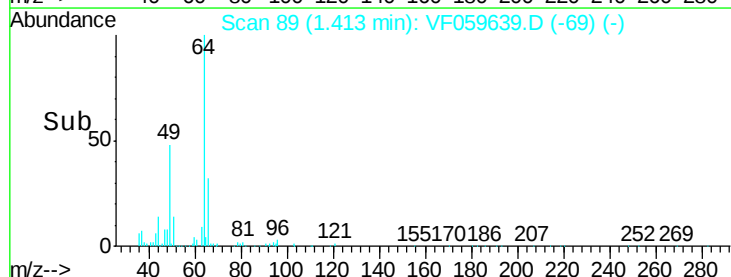
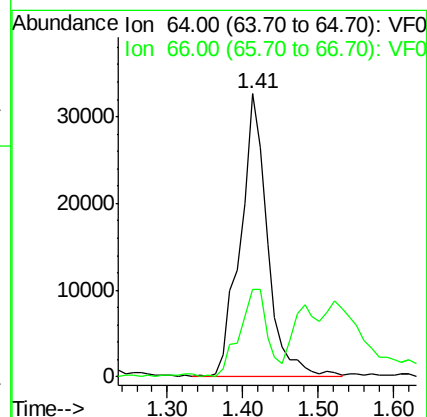
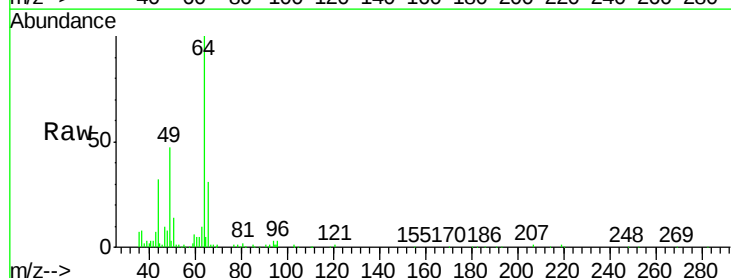
Acq: 24 Jul 2018 18:26

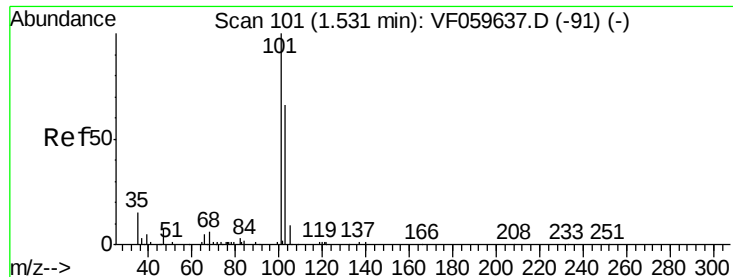
Tgt Ion: 64 Resp: 81253

Ion Ratio Lower Upper

64 100

66 31.0 29.0 43.6



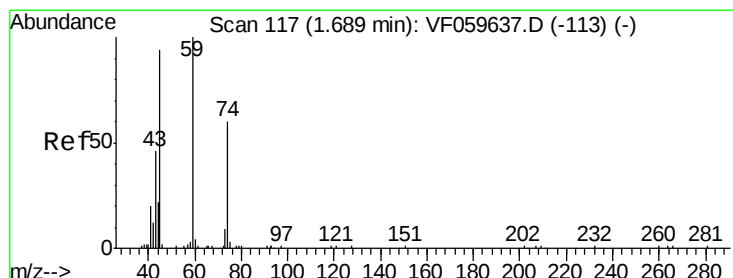
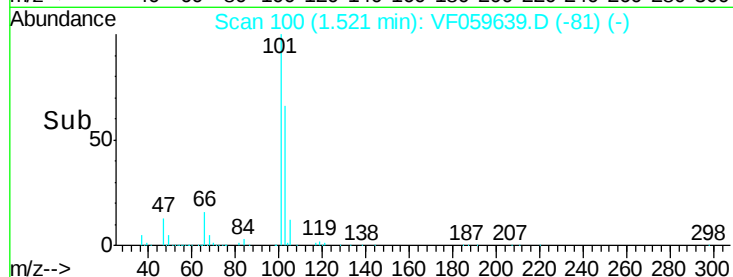
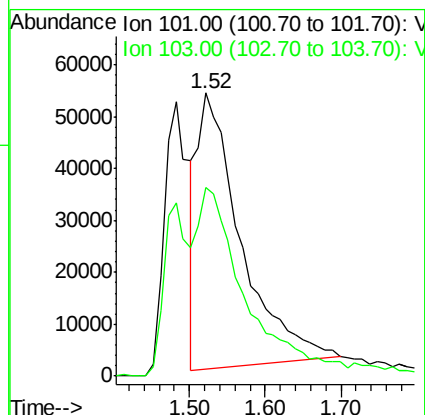
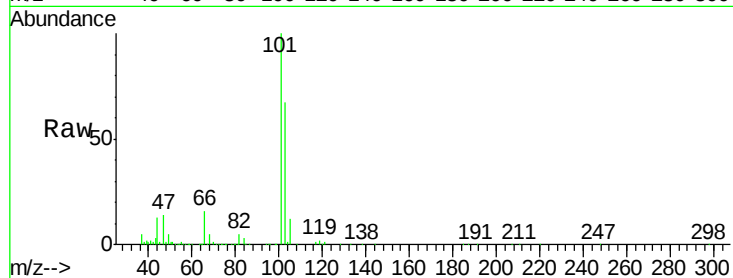


#7

Trichlorofluoromethane
 Concen: 53.280 ug/l
 RT: 1.52 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

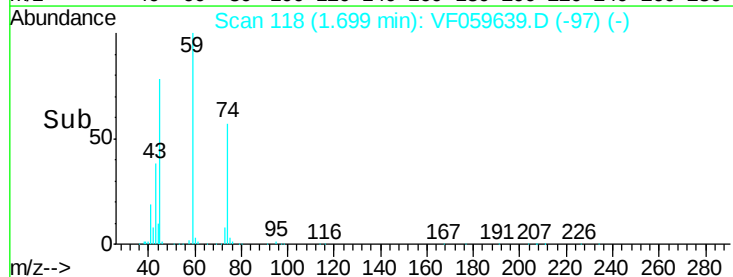
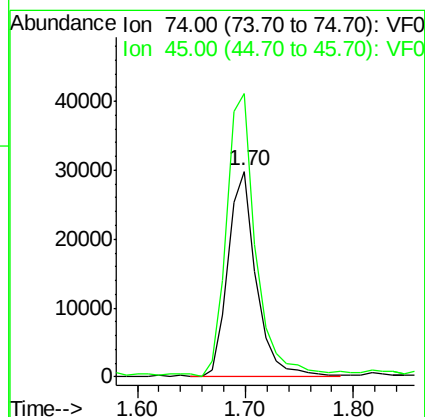
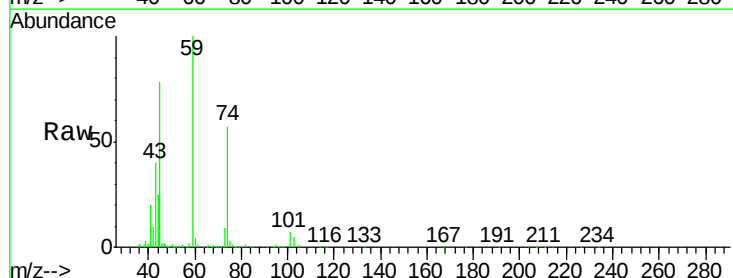
Tgt Ion: 101 Resp: 210991
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.5 78.7

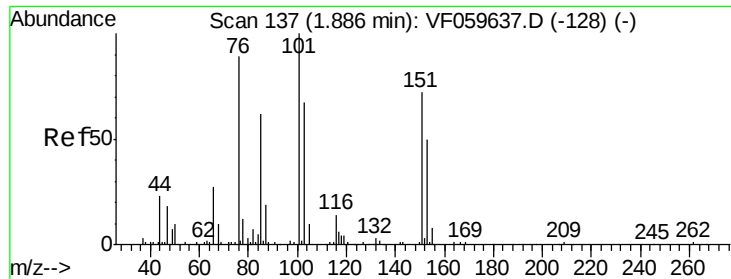


#8

Diethyl Ether
 Concen: 95.157 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. 0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion: 74 Resp: 53305
 Ion Ratio Lower Upper
 74 100
 45 137.8 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.381 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

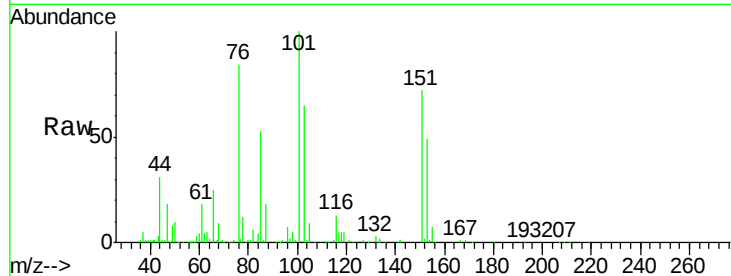
Tgt Ion:101 Resp: 192016

Ion Ratio Lower Upper

101 100

85 52.6 49.0 73.4

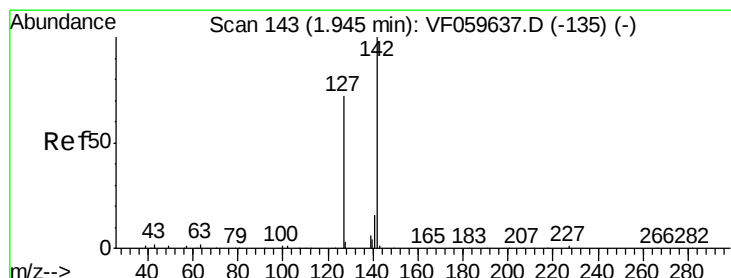
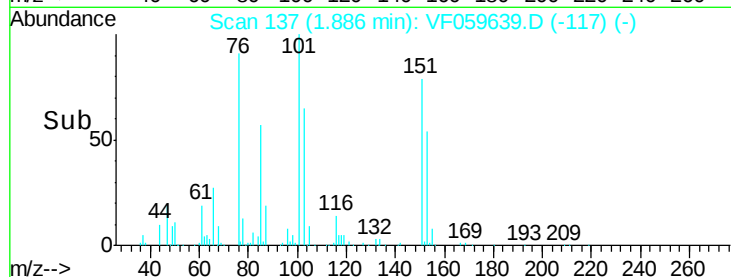
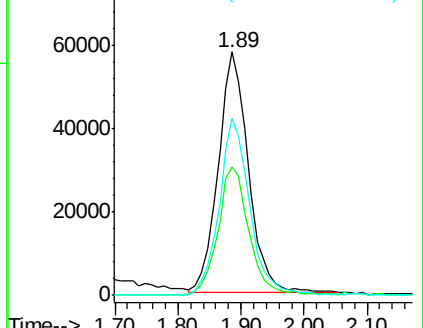
151 72.5 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 41.793 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.03 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

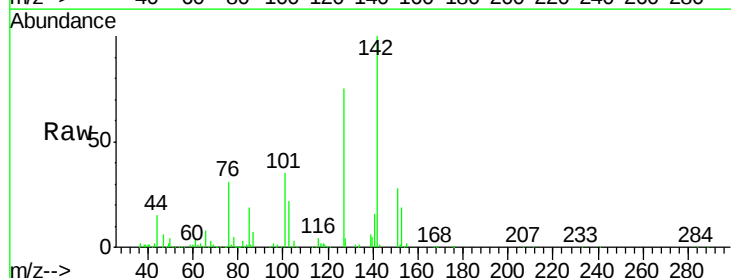
Tgt Ion:142 Resp: 140031

Ion Ratio Lower Upper

142 100

127 74.6 57.5 86.3

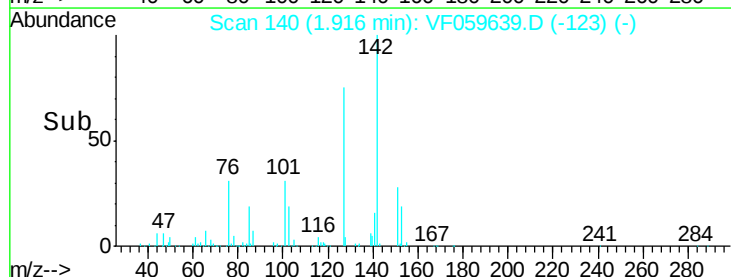
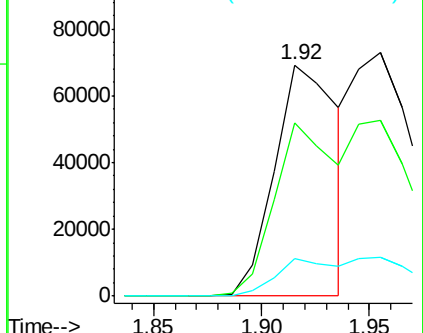
141 16.2 13.2 19.8

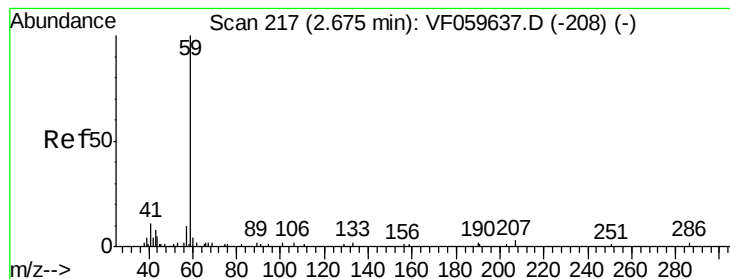


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



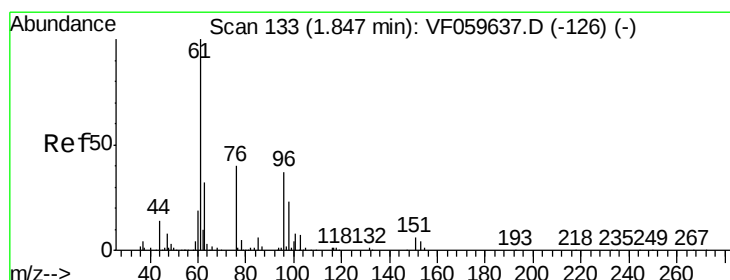
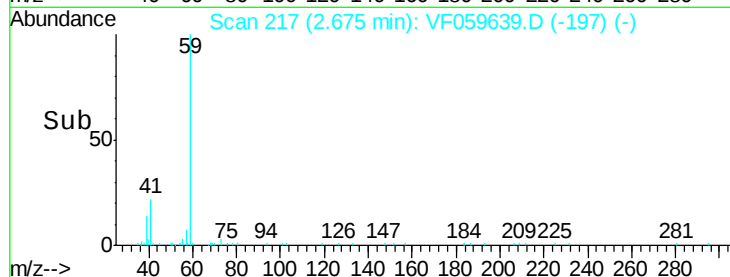
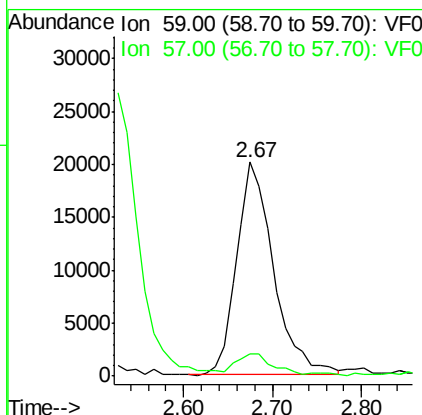
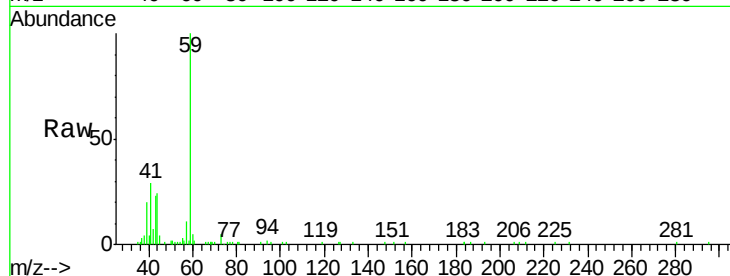


#11

Tert butyl alcohol
 Concen: 409.520 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

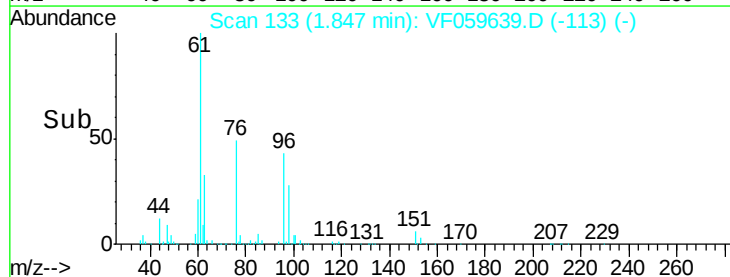
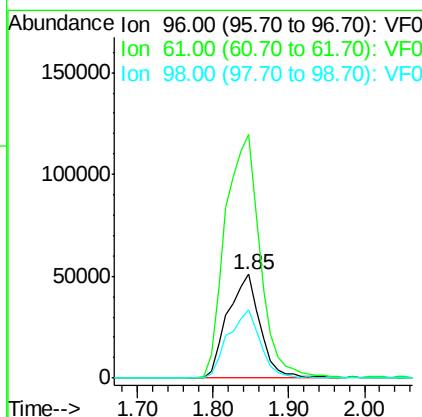
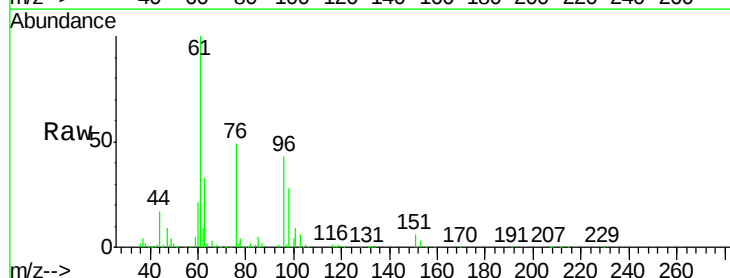
Tgt Ion: 59 Resp: 58118
 Ion Ratio Lower Upper
 59 100
 57 10.6 11.4 17.2#

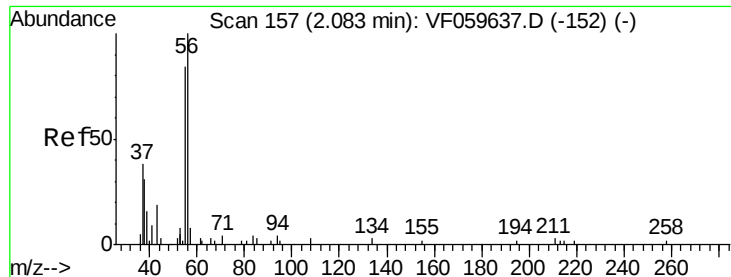


#12

1,1-Dichloroethene
 Concen: 96.053 ug/l
 RT: 1.85 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion: 96 Resp: 152602
 Ion Ratio Lower Upper
 96 100
 61 234.4 218.2 327.4
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 452.920 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

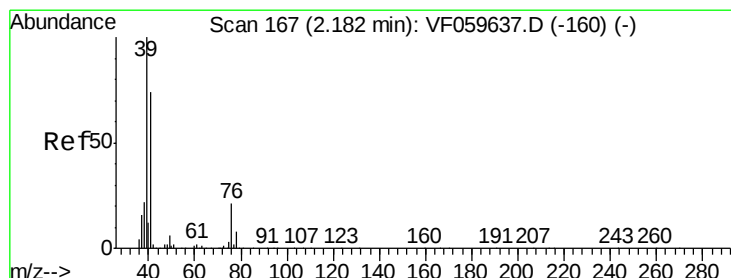
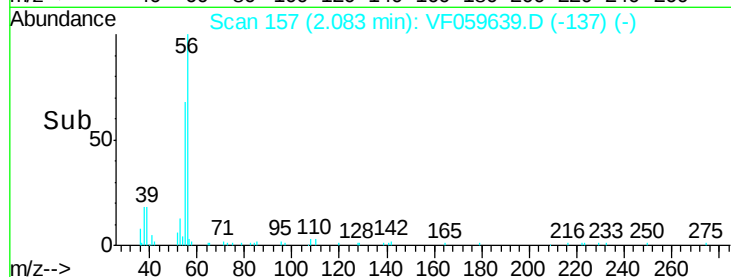
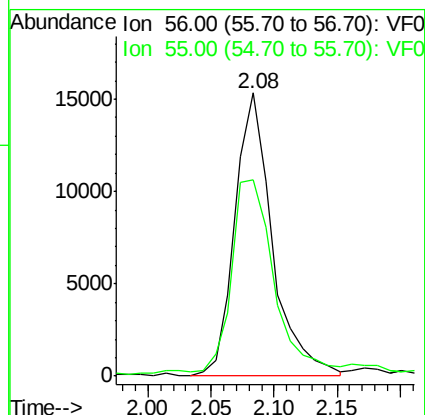
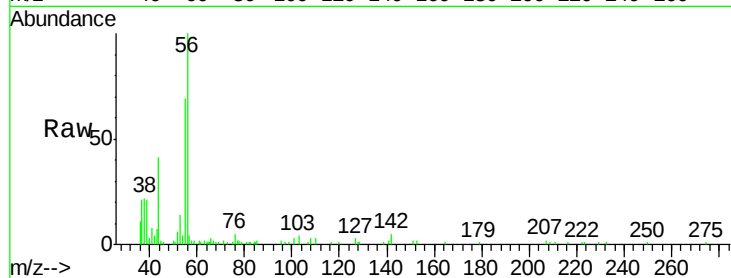
VSTDIC100

Tgt Ion: 56 Resp: 31554

Ion Ratio Lower Upper

56 100

55 69.2 67.2 100.8



#14

Allyl chloride

Concen: 90.372 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

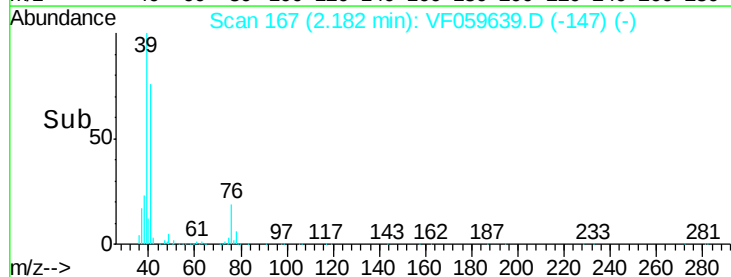
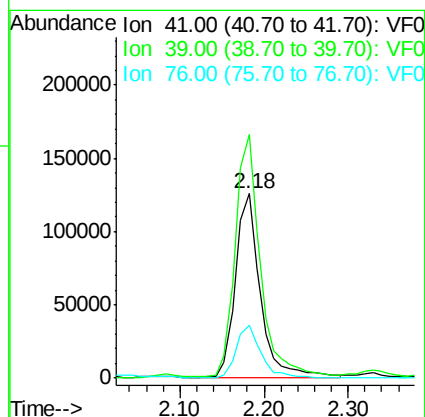
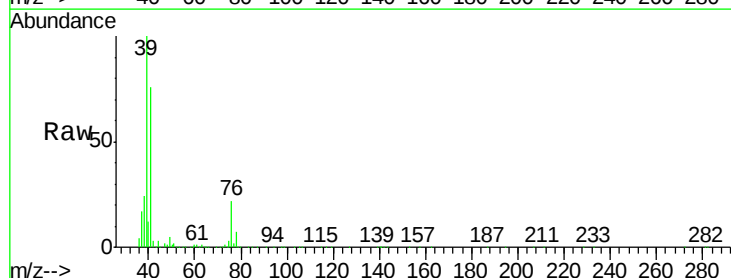
Tgt Ion: 41 Resp: 259787

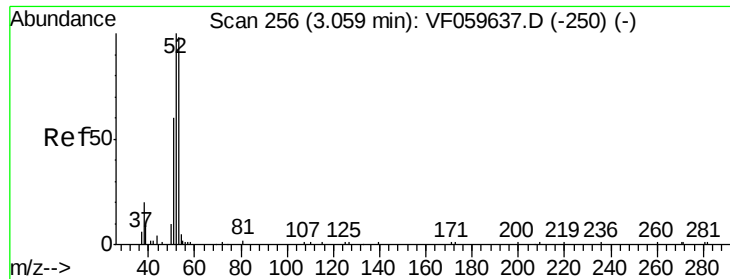
Ion Ratio Lower Upper

41 100

39 132.2 108.6 162.8

76 28.5 23.0 34.6





#15

Acrylonitrile

Concen: 487.096 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

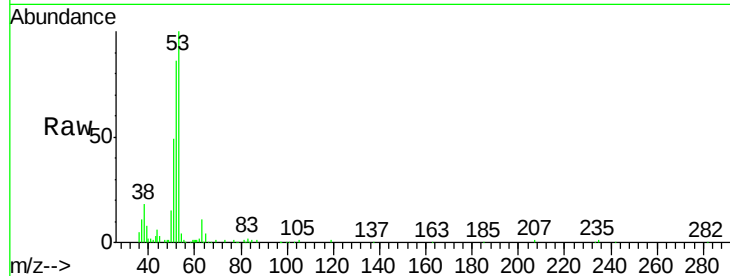
Tgt Ion: 53 Resp: 106757

Ion Ratio Lower Upper

53 100

52 85.8 80.9 121.3

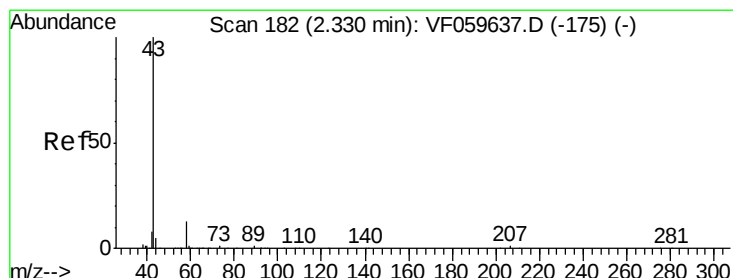
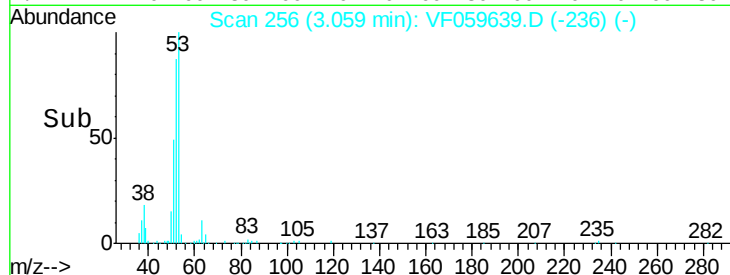
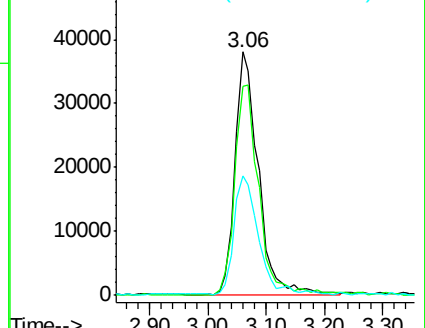
51 49.1 49.4 74.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 364.234 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059639.D

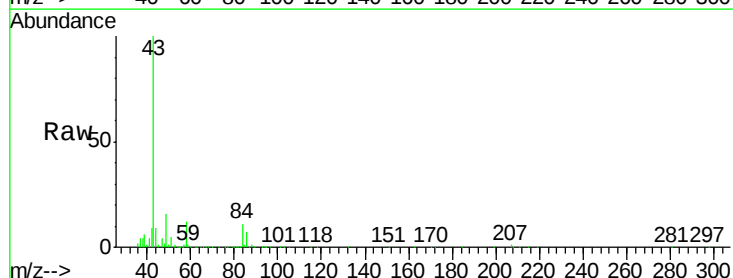
Acq: 24 Jul 2018 18:26

Tgt Ion: 43 Resp: 216421

Ion Ratio Lower Upper

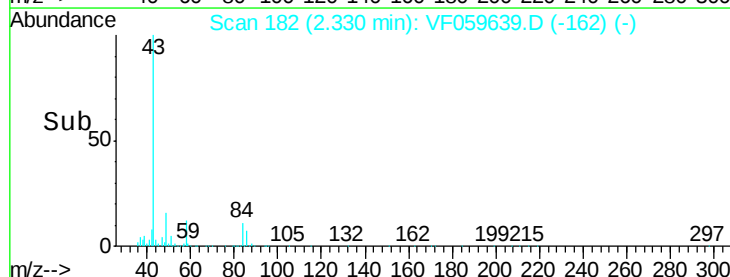
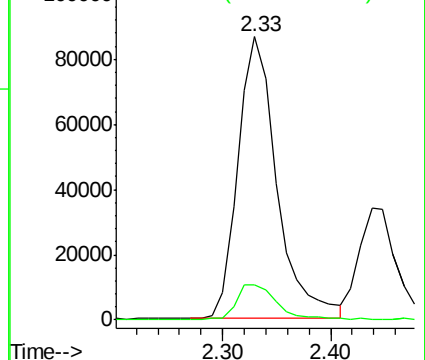
43 100

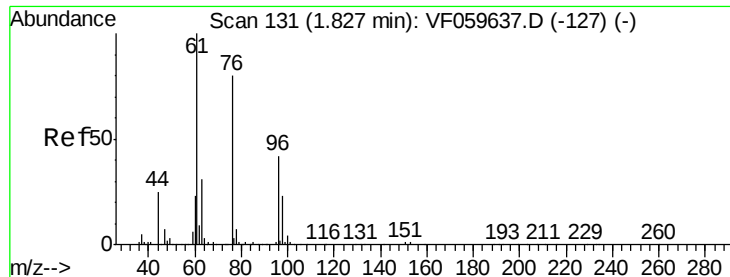
58 12.4 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 90.067 ug/l

RT: 1.84 min Scan# 132

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

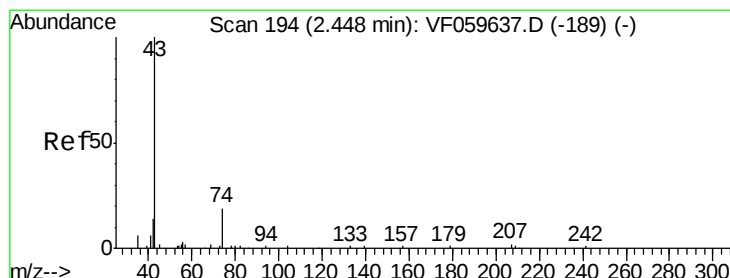
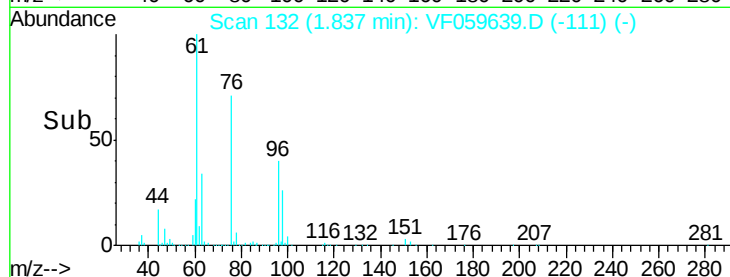
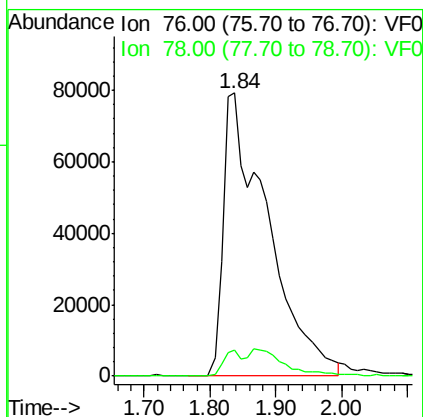
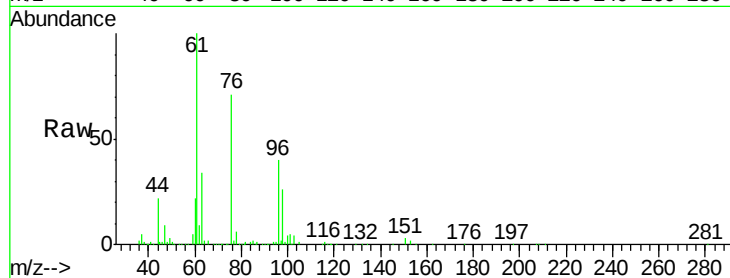
VSTDIC100

Tgt Ion: 76 Resp: 371942

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#18

Methyl Acetate

Concen: 76.698 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059639.D

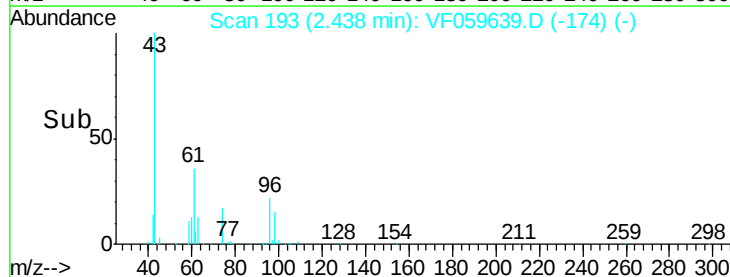
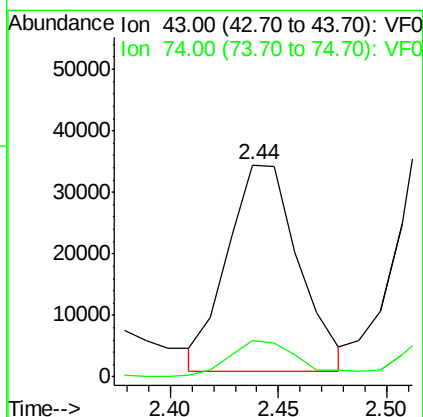
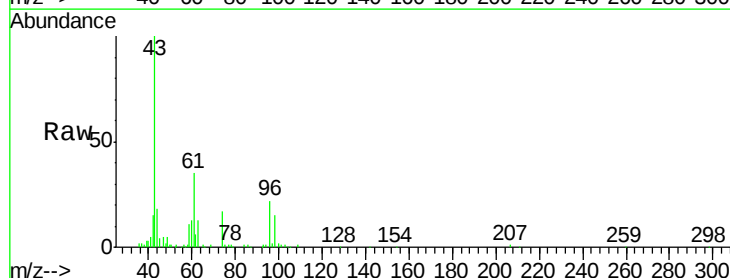
Acq: 24 Jul 2018 18:26

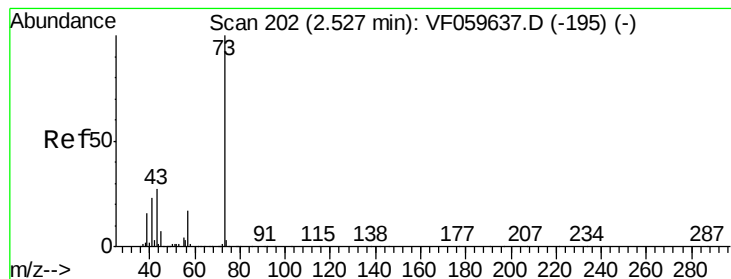
Tgt Ion: 43 Resp: 77316

Ion Ratio Lower Upper

43 100

74 17.1 13.0 19.6



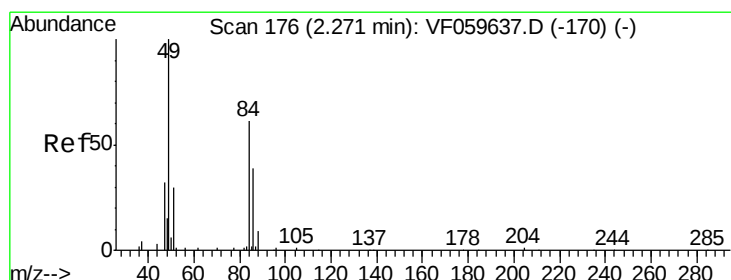
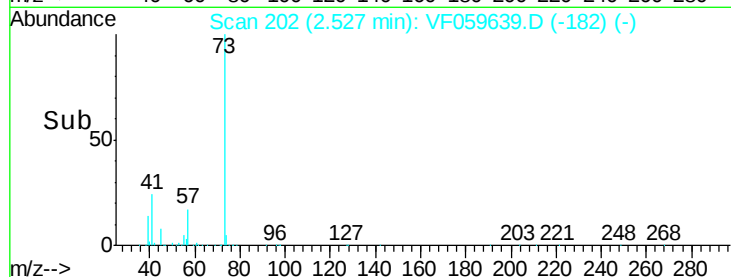
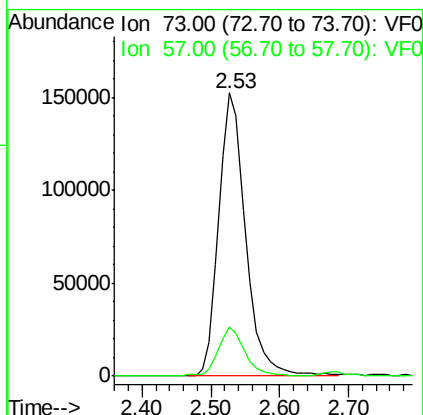
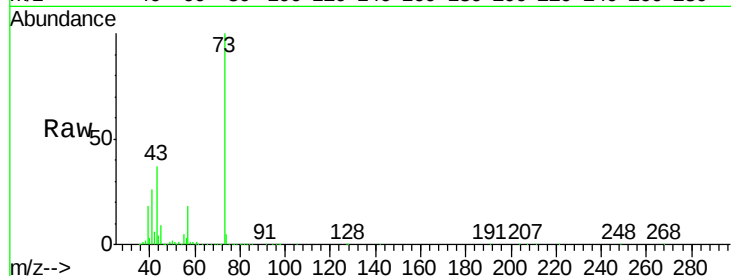


#19

Methyl tert-butyl Ether
Concen: 90.095 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

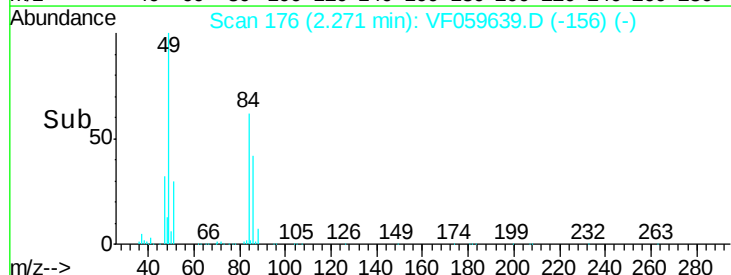
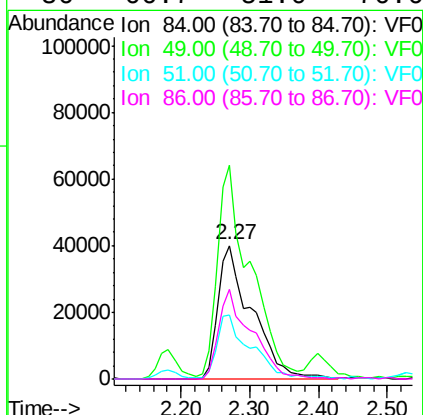
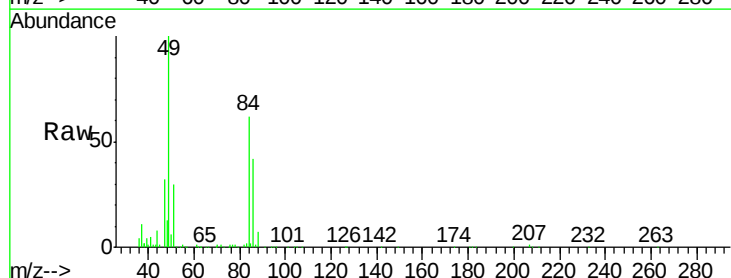
Tgt Ion: 73 Resp: 414486
Ion Ratio Lower Upper
73 100
57 17.5 14.2 21.4

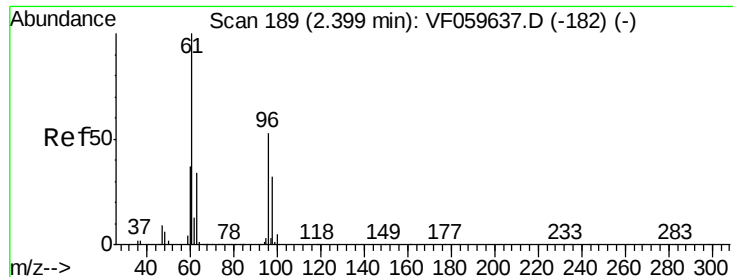


#20

Methylene Chloride
Concen: 75.261 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion: 84 Resp: 135274
Ion Ratio Lower Upper
84 100
49 160.1 133.8 200.8
51 47.7 41.1 61.7
86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 92.209 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

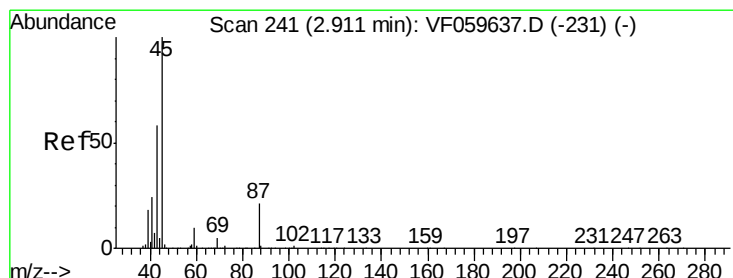
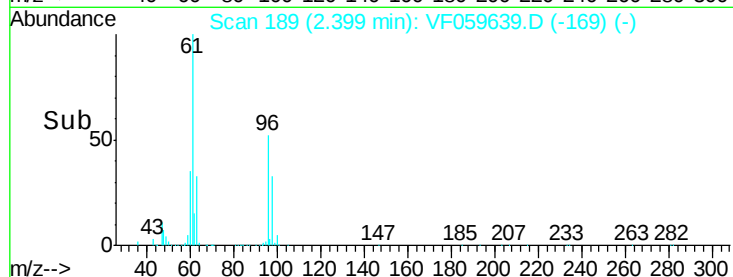
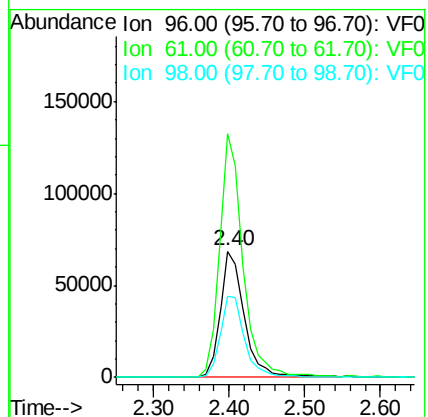
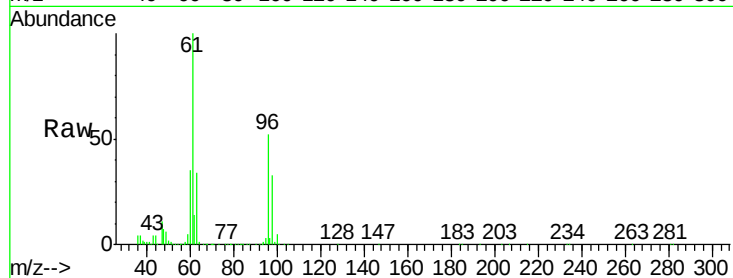
Tgt Ion: 96 Resp: 152000

Ion Ratio Lower Upper

96 100

61 192.8 151.4 227.2

98 63.9 49.0 73.6



#22

Diisopropyl ether

Concen: 97.014 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion: 45 Resp: 509913

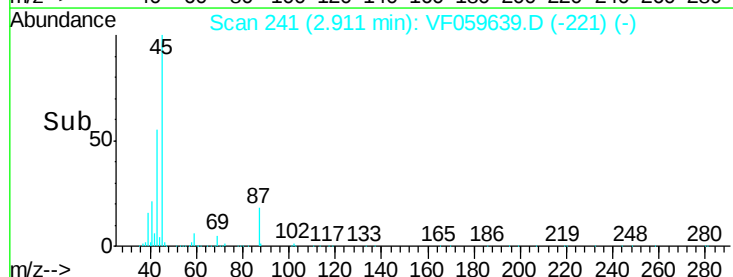
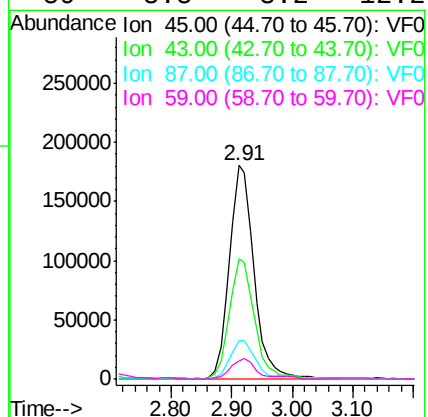
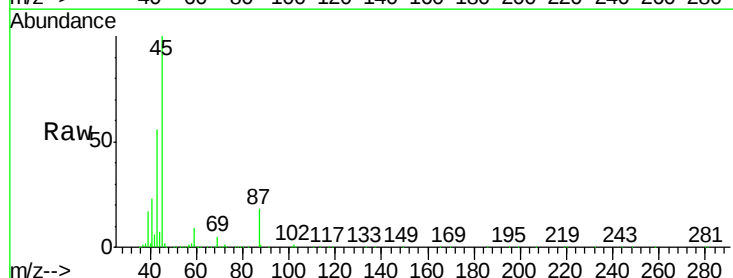
Ion Ratio Lower Upper

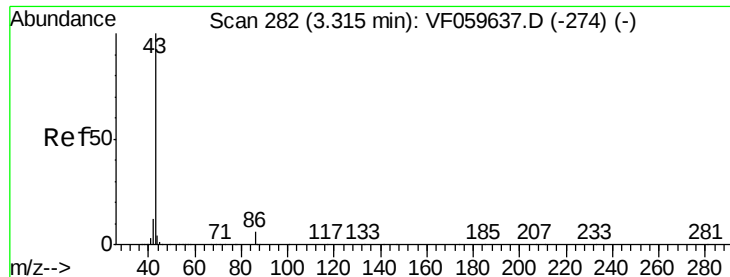
45 100

43 56.2 46.5 69.7

87 18.0 16.5 24.7

59 8.5 8.2 12.2





#23

Vinyl Acetate

Concen: 468.478 ug/l

RT: 3.32 min Scan# 282

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

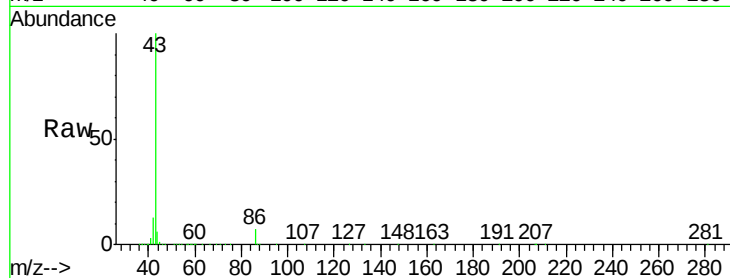
VSTDIC100

Tgt Ion: 43 Resp: 1227108

Ion Ratio Lower Upper

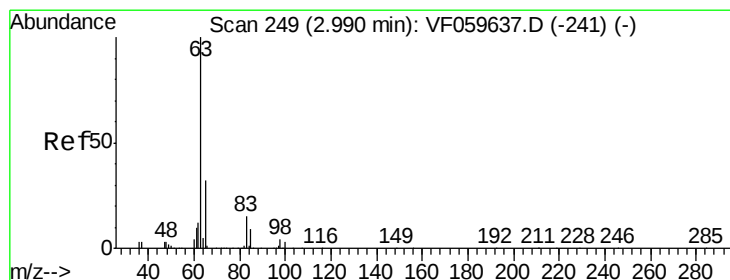
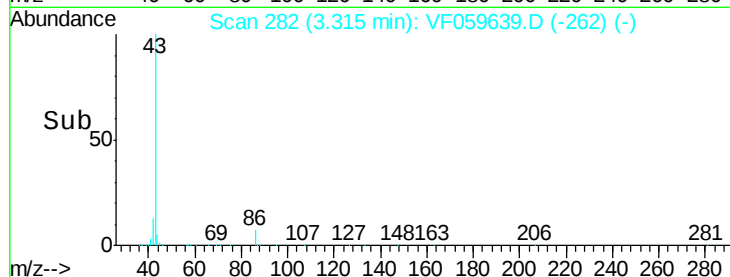
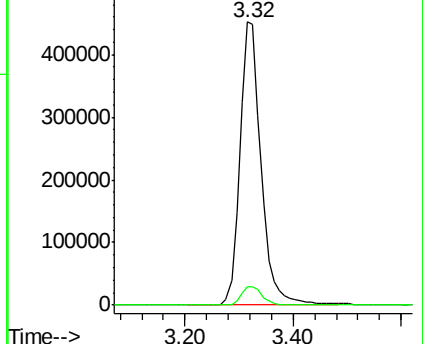
43 100

86 6.6 4.5 6.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 93.147 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

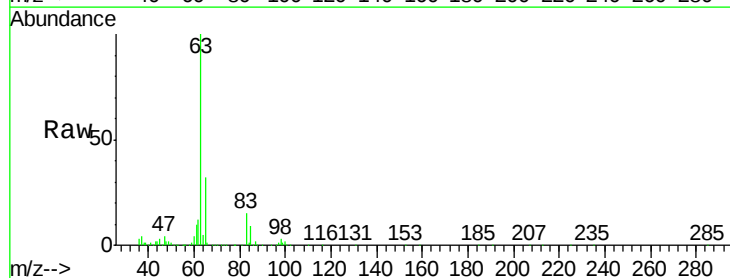
Tgt Ion: 63 Resp: 352664

Ion Ratio Lower Upper

63 100

98 3.5 1.8 5.5

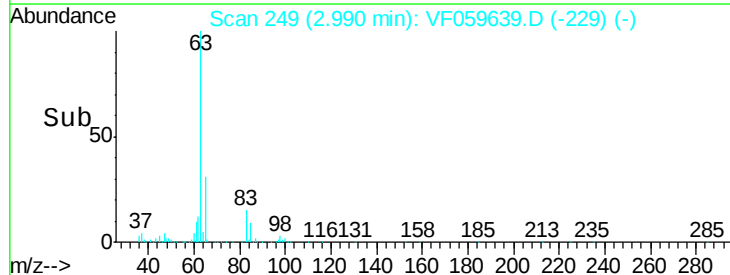
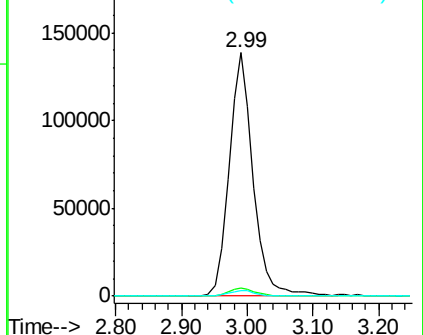
100 2.2 1.3 3.9

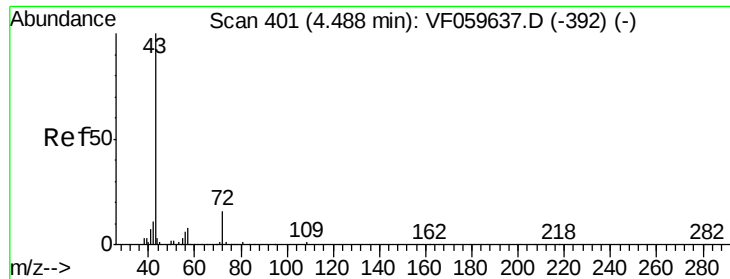


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 448.384 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

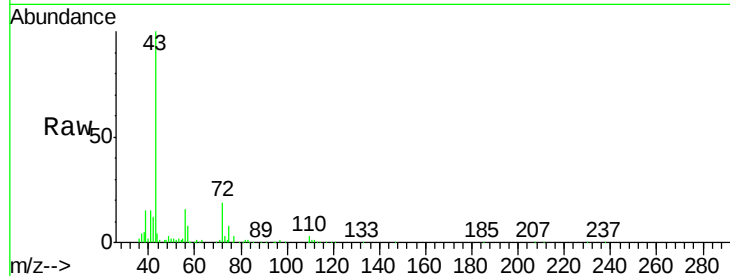
VSTDIC100

Tgt Ion: 43 Resp: 278127

Ion Ratio Lower Upper

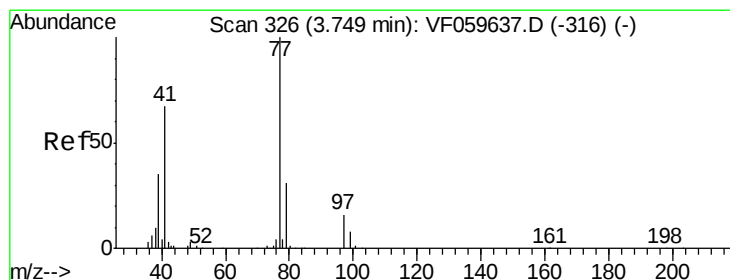
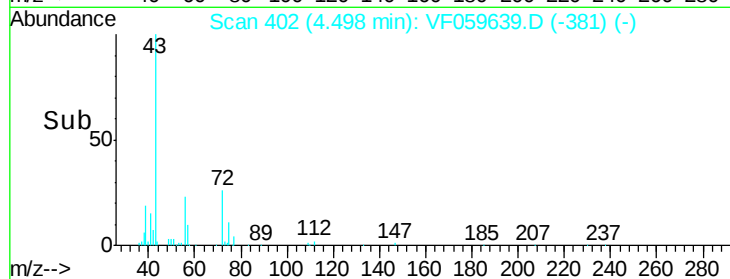
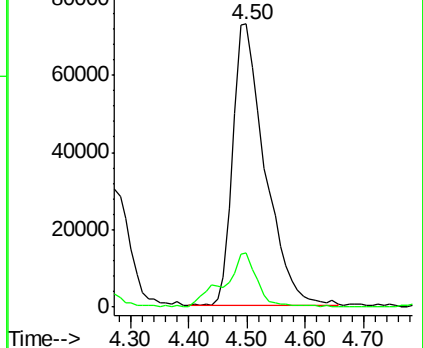
43 100

72 19.4 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 85.585 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059639.D

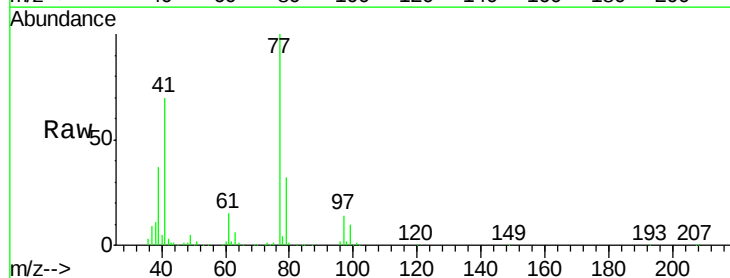
Acq: 24 Jul 2018 18:26

Tgt Ion: 77 Resp: 269767

Ion Ratio Lower Upper

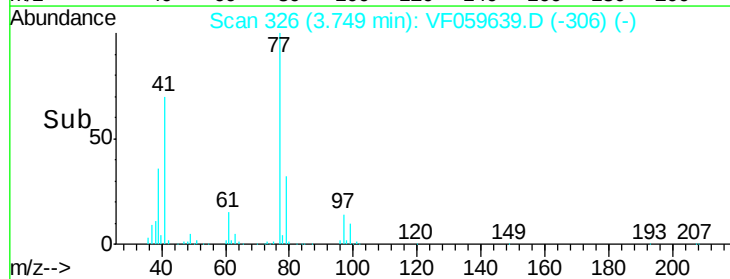
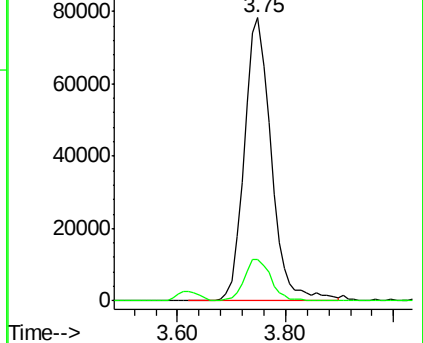
77 100

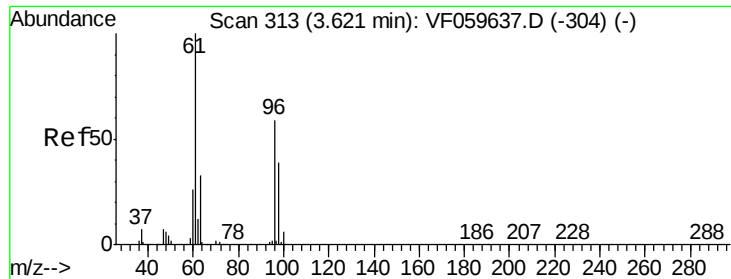
97 14.4 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



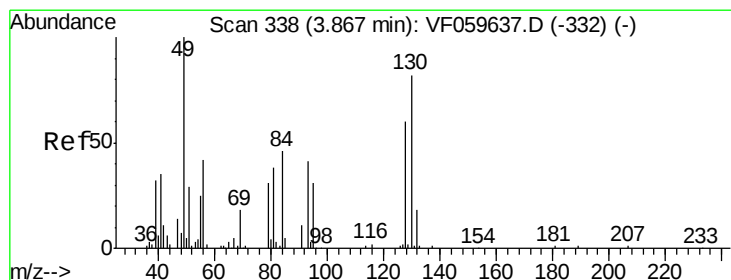
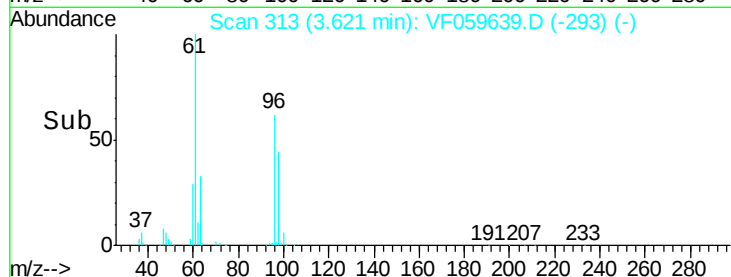
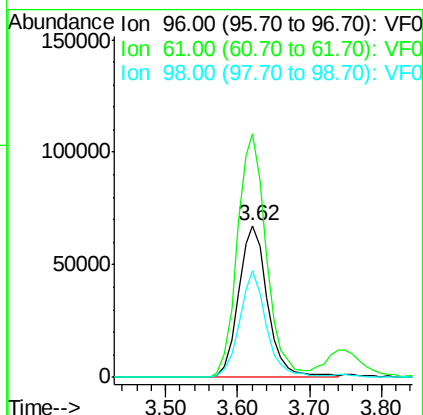
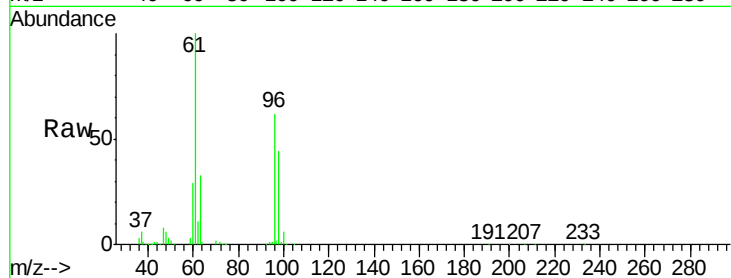


#27

cis-1,2-Dichloroethene
Concen: 100.332 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

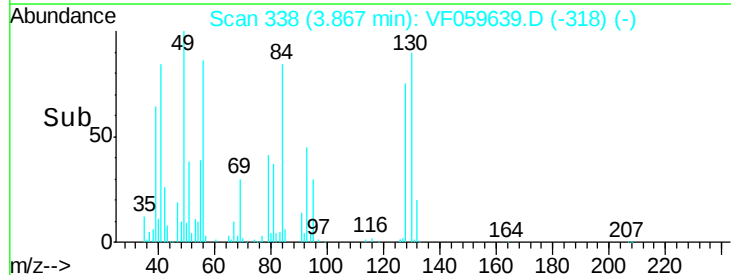
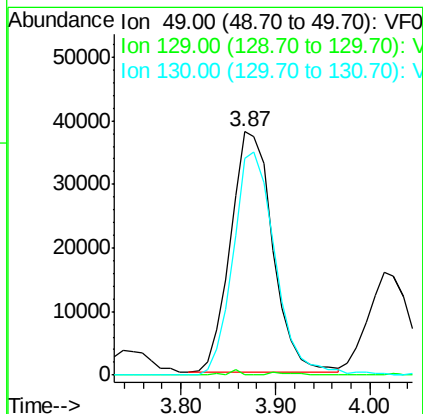
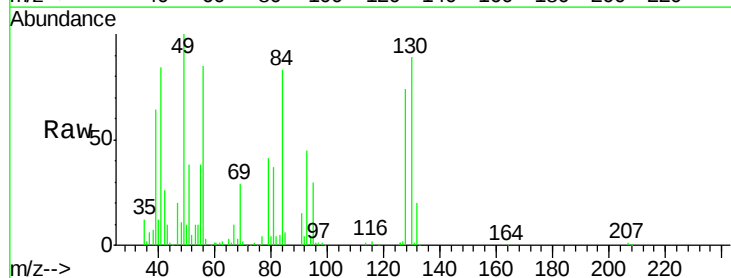
Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	337.4
98	70.0	0.0	132.8

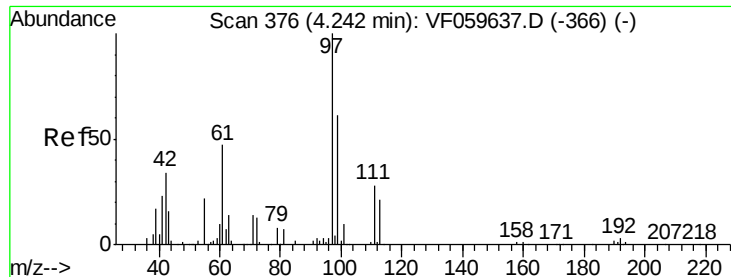


#28

Bromochloromethane
Concen: 84.771 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	89.0	65.0	97.4





#29

Tetrahydrofuran

Concen: 425.249 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

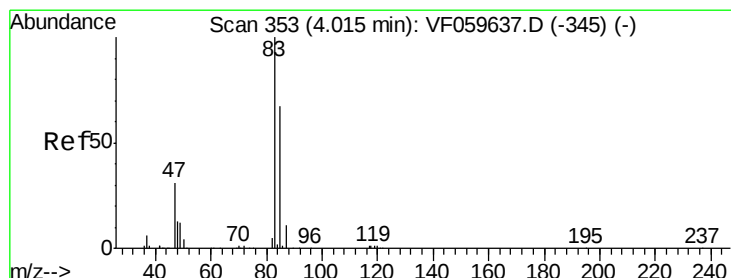
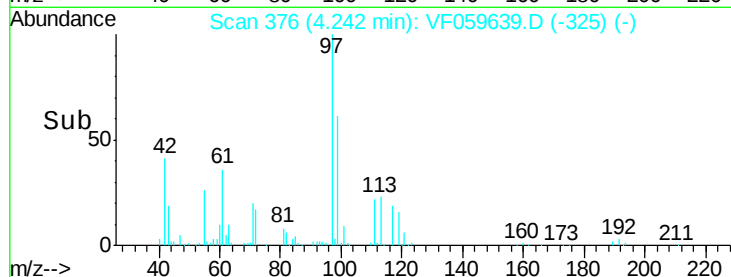
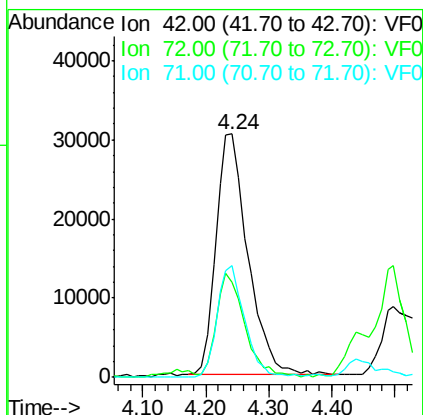
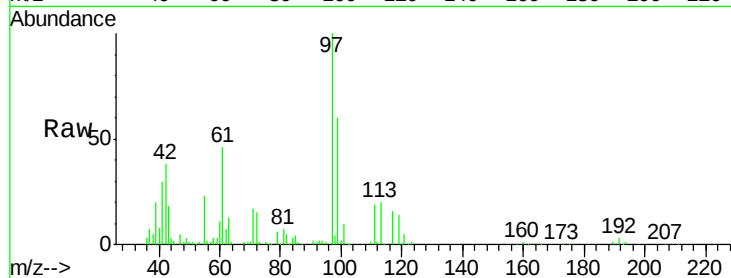
Tgt Ion: 42 Resp: 107468

Ion Ratio Lower Upper

42 100

72 38.6 30.0 45.0

71 40.5 28.6 42.8



#30

Chloroform

Concen: 92.368 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF059639.D

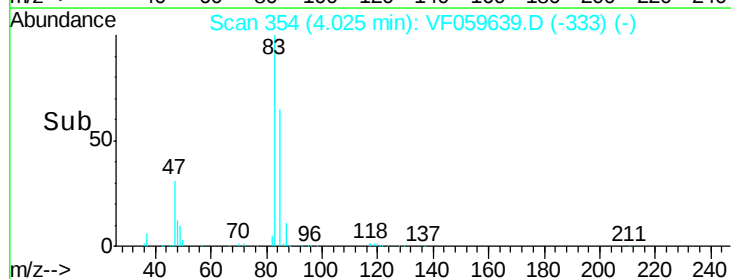
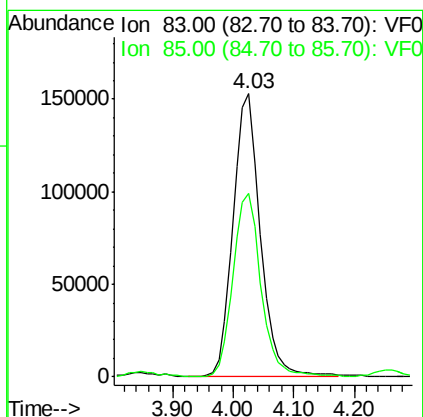
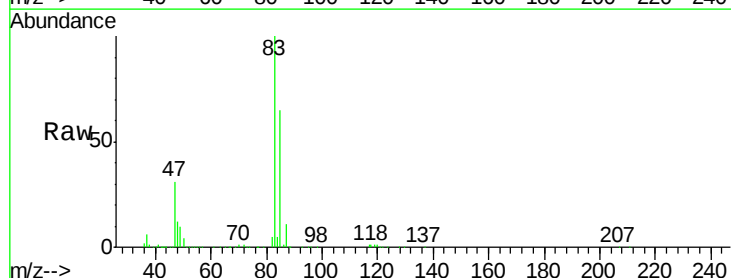
Acq: 24 Jul 2018 18:26

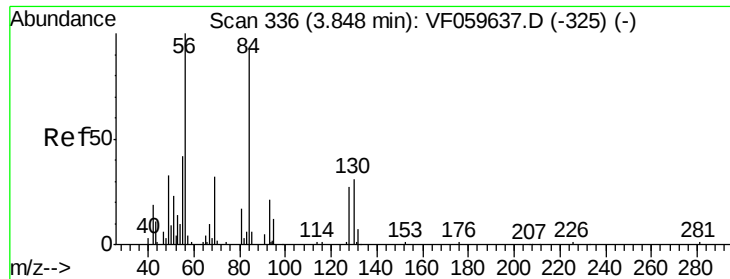
Tgt Ion: 83 Resp: 482741

Ion Ratio Lower Upper

83 100

85 65.1 53.8 80.8





#31

Cyclohexane

Concen: 93.901 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

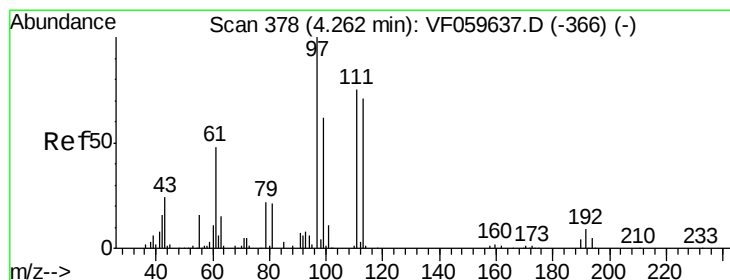
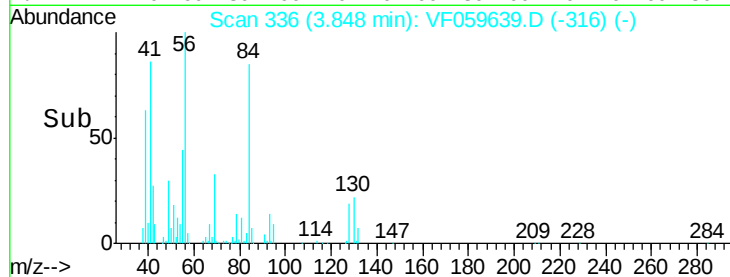
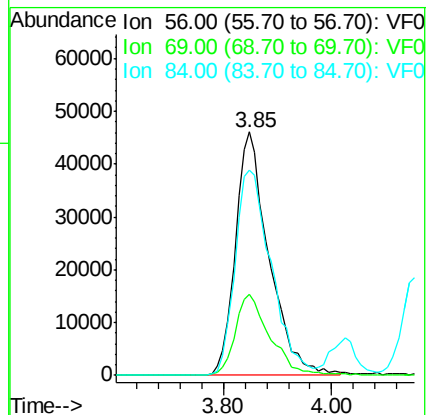
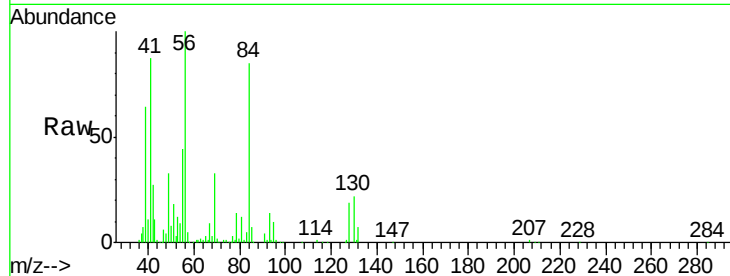
Tgt Ion: 56 Resp: 199300

Ion Ratio Lower Upper

56 100

69 33.1 26.0 39.0

84 84.5 73.5 110.3



#32

1,1,1-Trichloroethane

Concen: 84.272 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

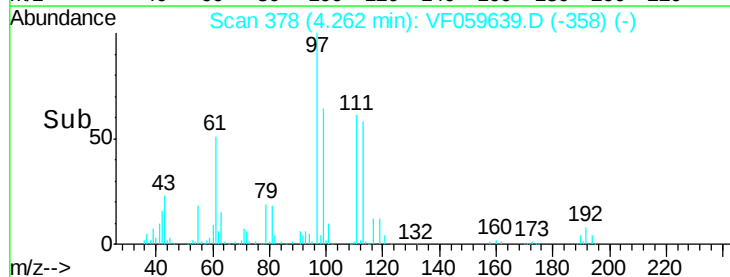
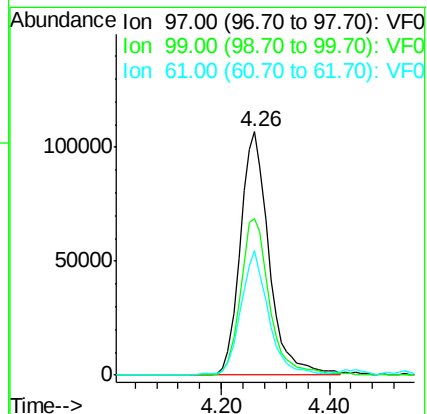
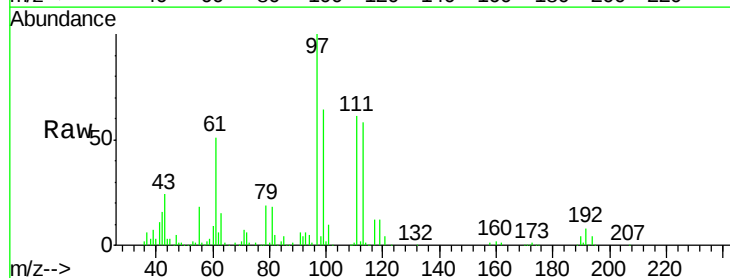
Tgt Ion: 97 Resp: 393970

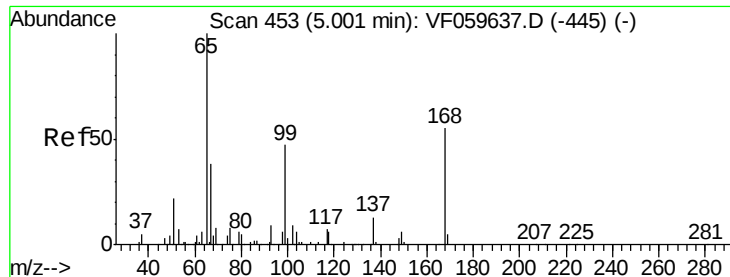
Ion Ratio Lower Upper

97 100

99 64.5 49.8 74.6

61 51.0 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 91.943 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

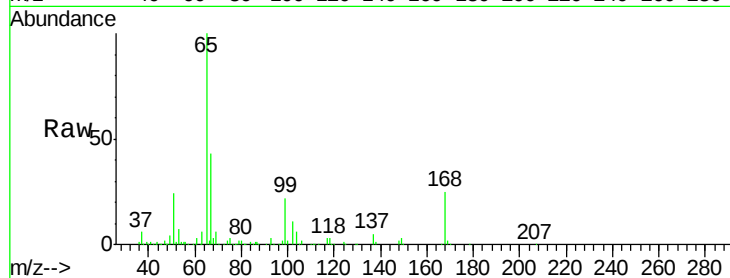
VSTDIC100

Tgt Ion: 65 Resp: 325126

Ion Ratio Lower Upper

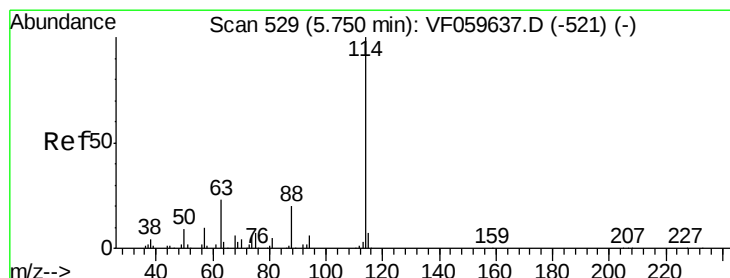
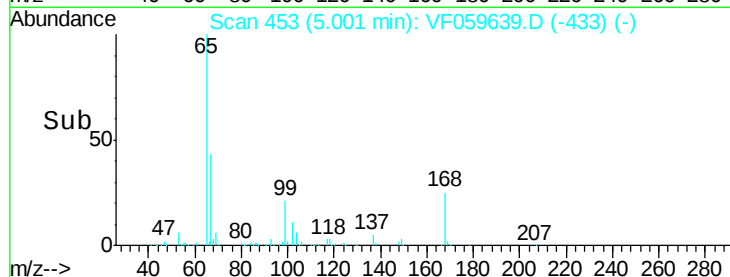
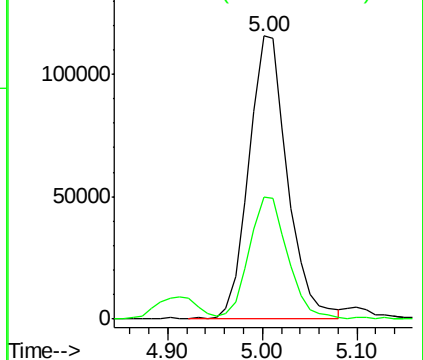
65 100

67 43.0 0.0 86.6



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. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

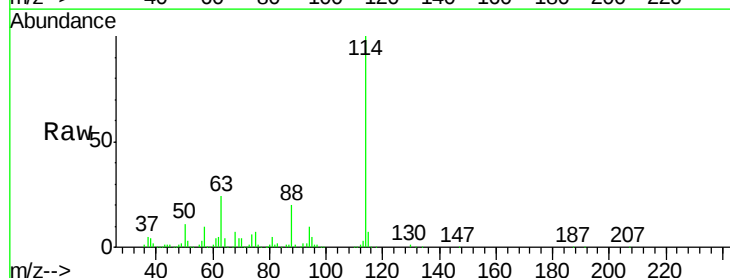
Tgt Ion: 114 Resp: 330278

Ion Ratio Lower Upper

114 100

63 24.5 0.0 45.6

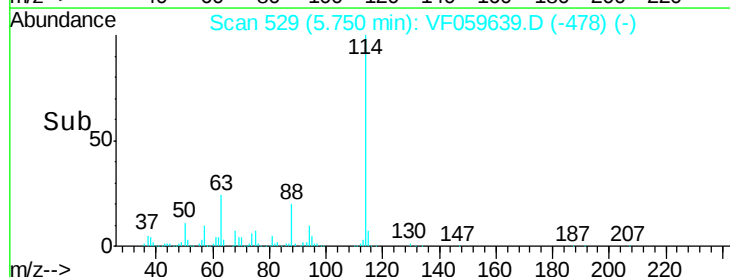
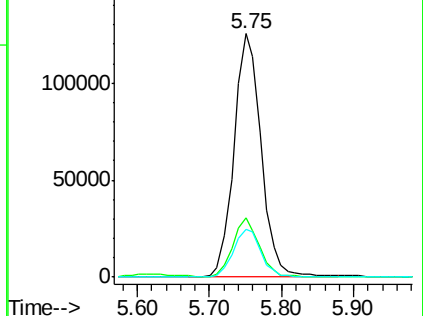
88 19.8 0.0 40.8

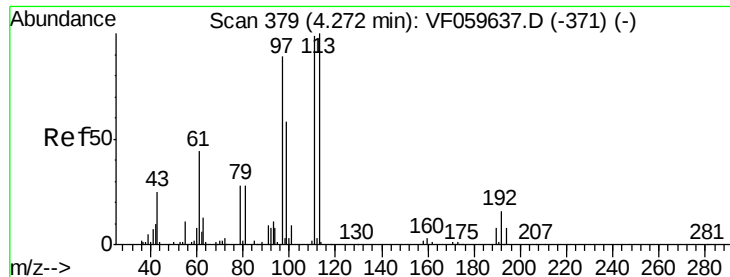


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 94.721 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

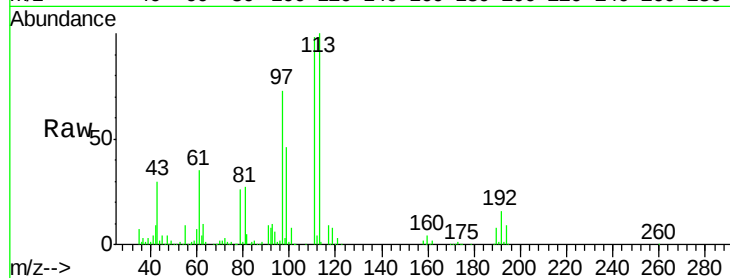
Tgt Ion:113 Resp: 286229

Ion Ratio Lower Upper

113 100

111 98.4 79.3 118.9

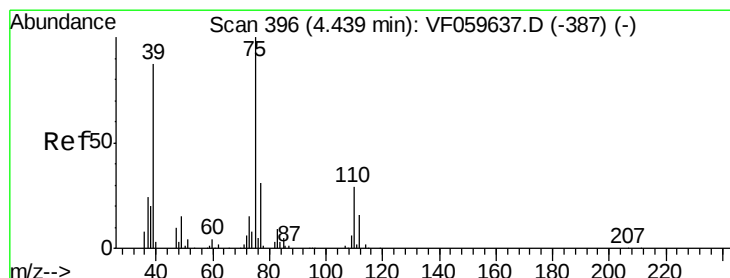
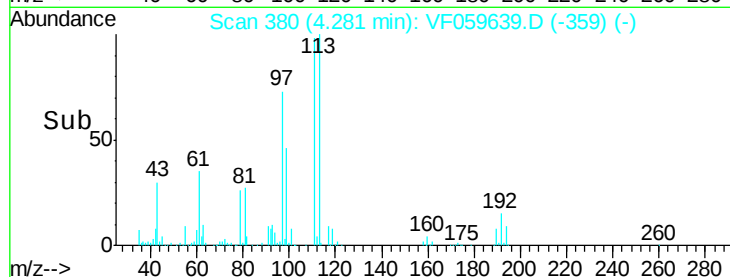
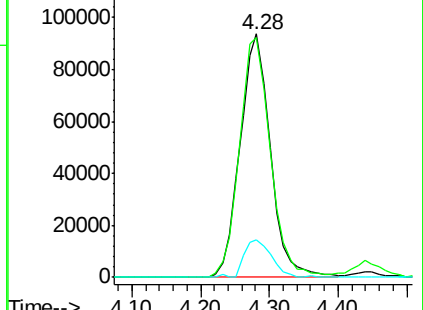
192 15.6 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 94.592 ug/l

RT: 4.44 min Scan# 396

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

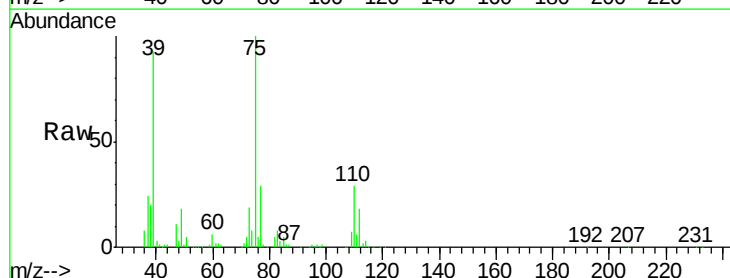
Tgt Ion: 75 Resp: 314173

Ion Ratio Lower Upper

75 100

110 29.3 14.6 43.8

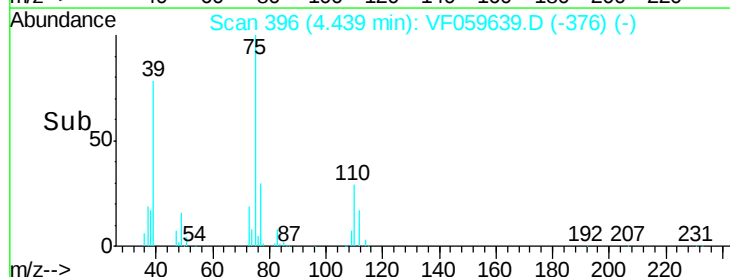
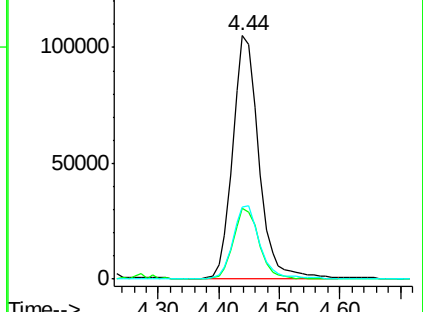
77 29.4 24.4 36.6

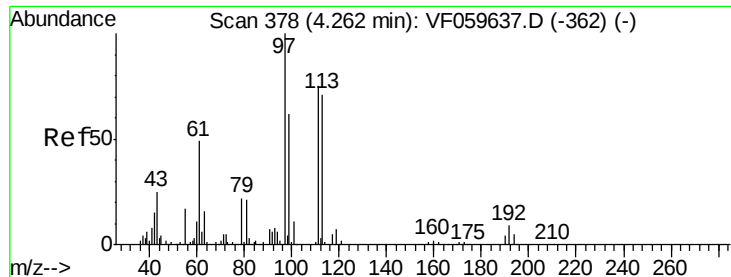


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 90.959 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

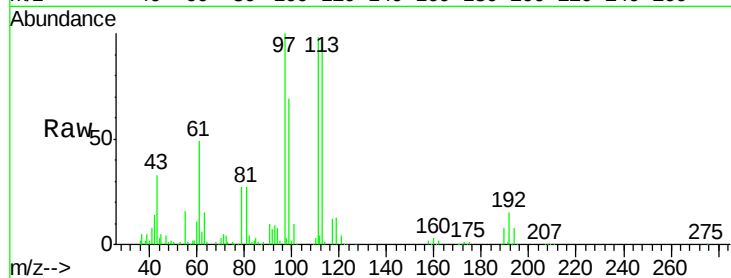
Tgt Ion: 43 Resp: 118883

Ion Ratio Lower Upper

43 100

61 147.1 156.6 234.8#

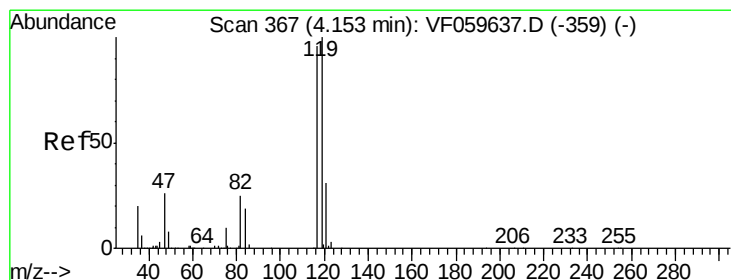
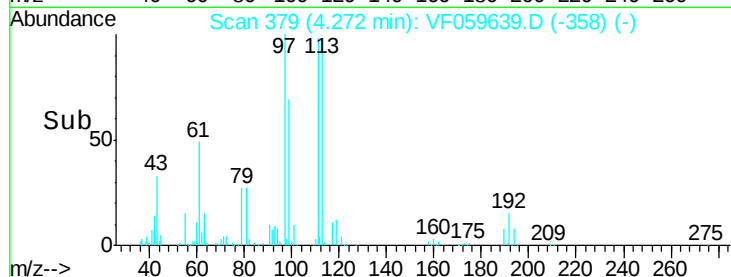
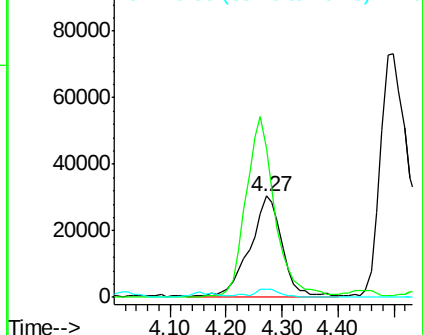
70 7.6 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 81.149 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

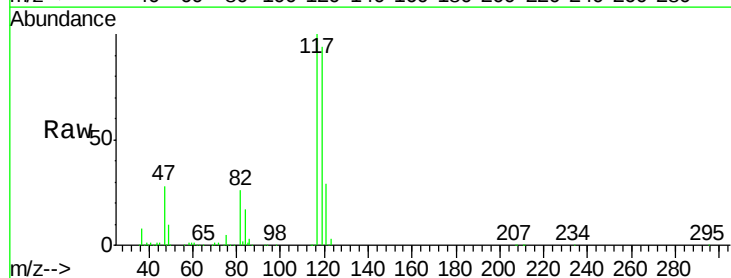
Tgt Ion: 117 Resp: 407967

Ion Ratio Lower Upper

117 100

119 94.0 83.0 124.6

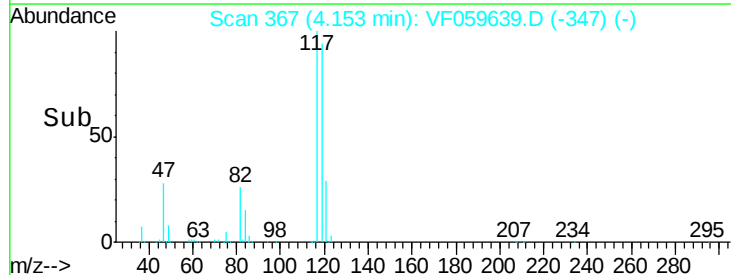
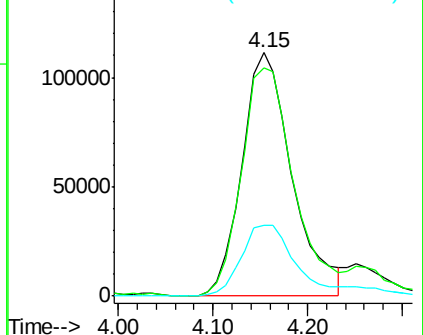
121 29.3 26.2 39.4

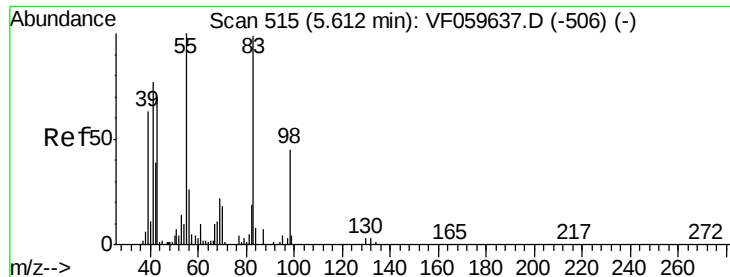


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

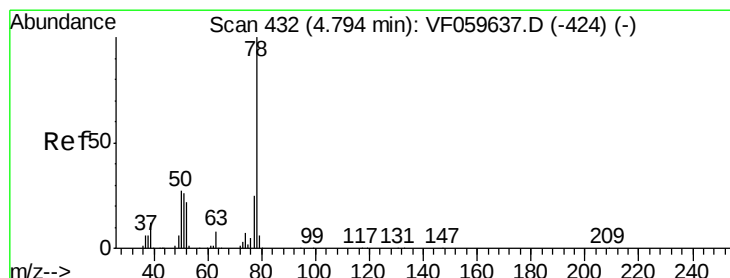
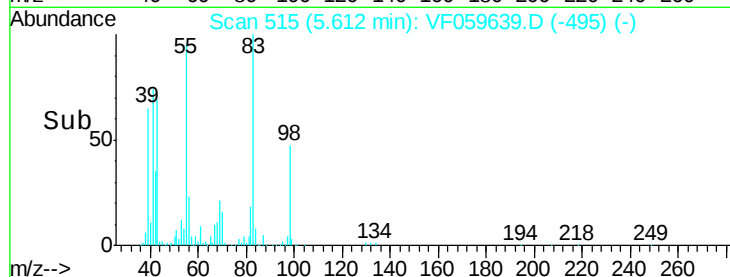
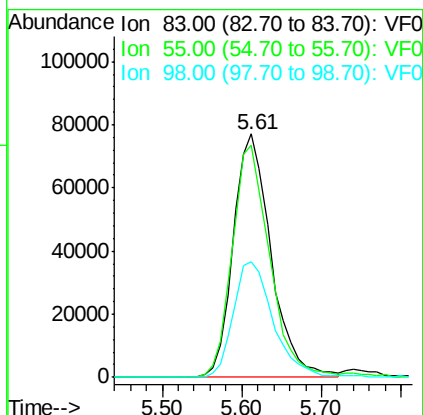
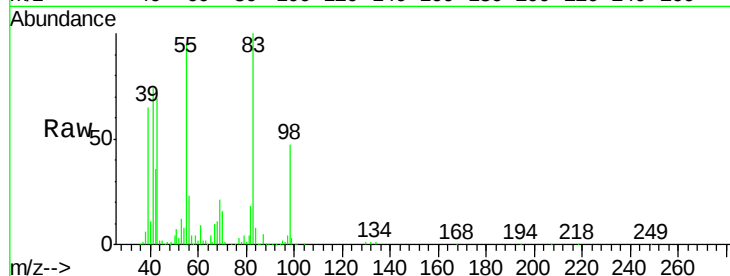




#39
Methylcyclohexane
Concen: 94.625 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

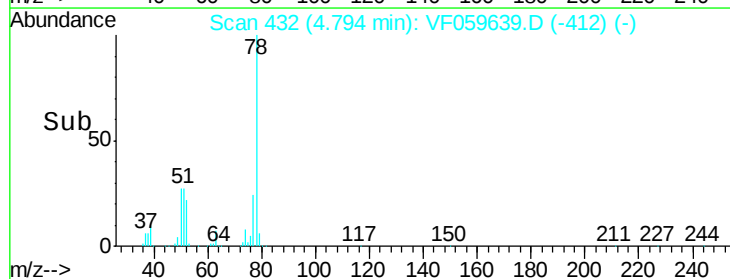
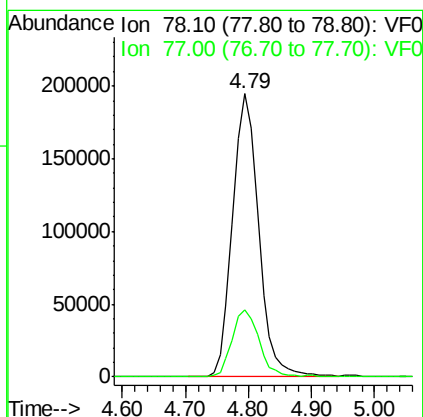
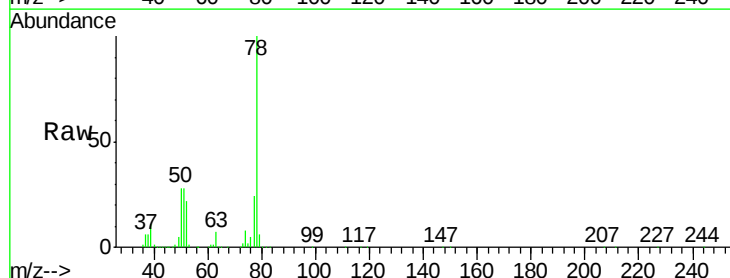
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

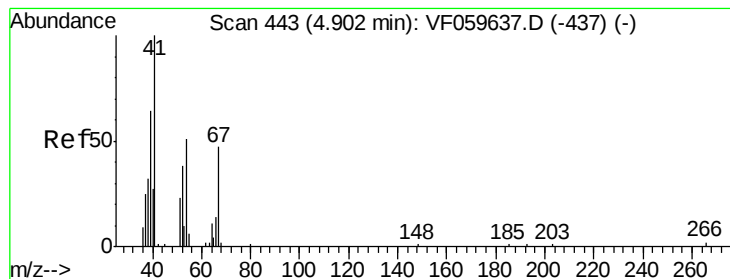
Tgt Ion: 83 Resp: 253497
Ion Ratio Lower Upper
83 100
55 95.4 81.5 122.3
98 47.4 36.7 55.1



#40
Benzene
Concen: 92.026 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion: 78 Resp: 558770
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6





#41

Methacrylonitrile

Concen: 92.048 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 59424

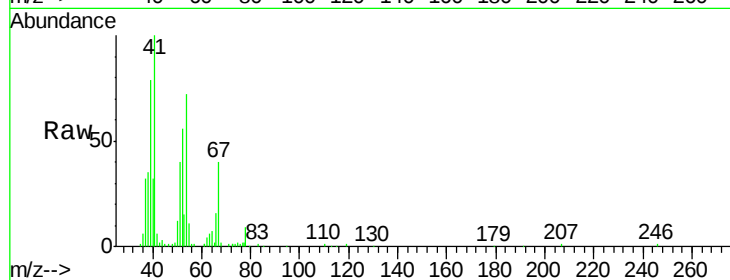
Ion Ratio Lower Upper

41 100

39 79.1 56.9 85.3

67 40.0 36.6 54.8

52 55.9 42.6 63.8

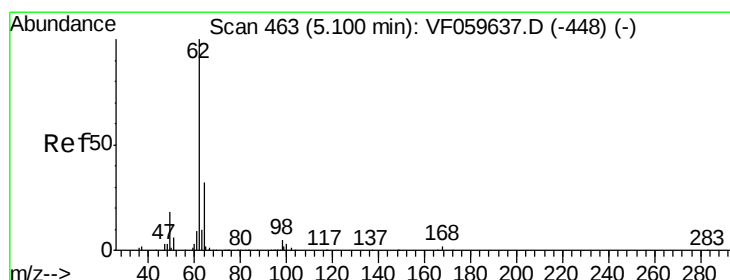
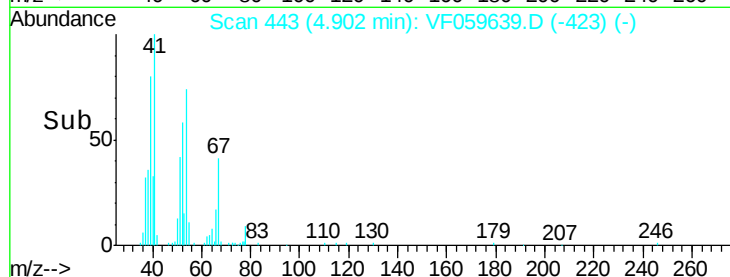
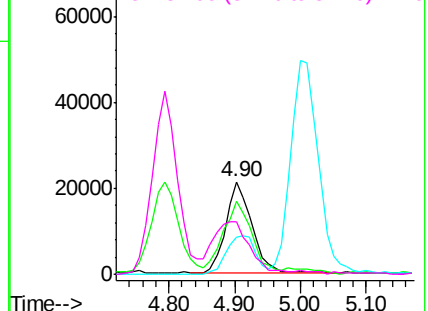


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 84.529 ug/l

RT: 5.10 min Scan# 463

Delta R.T. -0.00 min

Lab File: VF059639.D

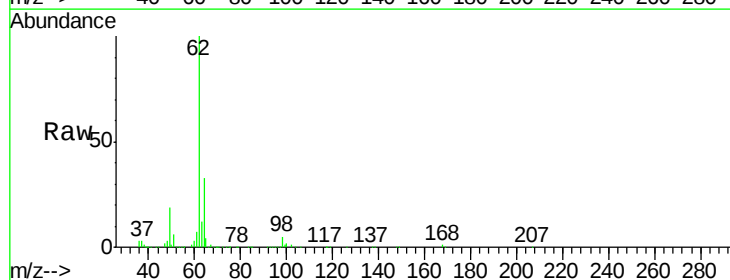
Acq: 24 Jul 2018 18:26

Tgt Ion: 62 Resp: 339569

Ion Ratio Lower Upper

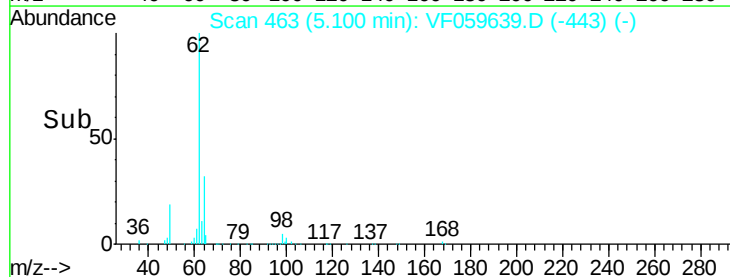
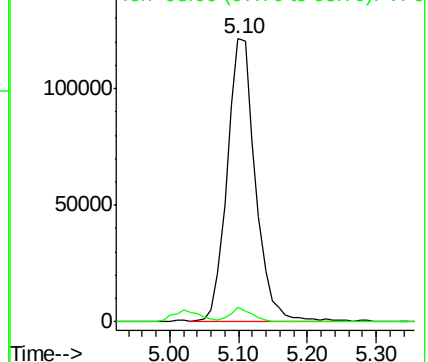
62 100

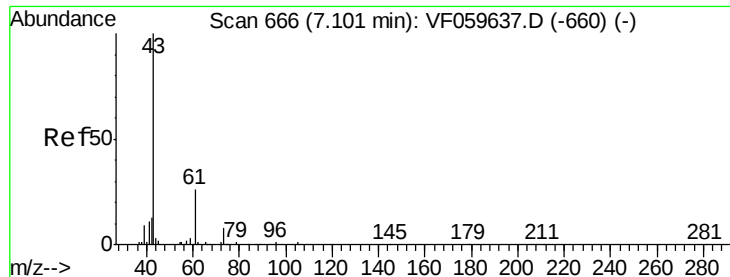
98 5.3 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 92.027 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

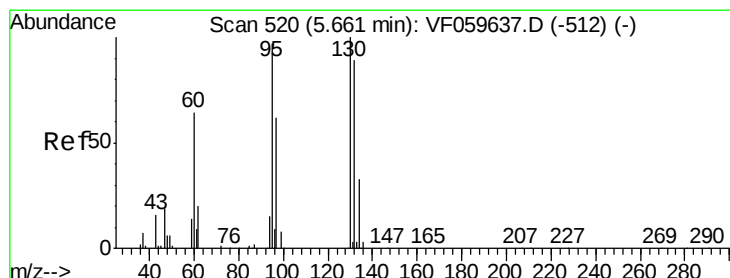
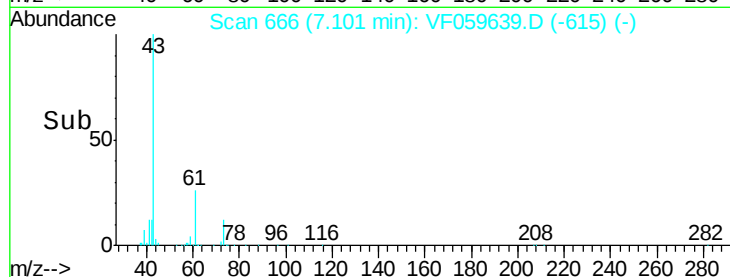
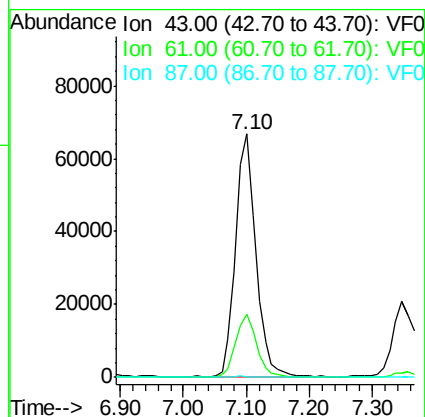
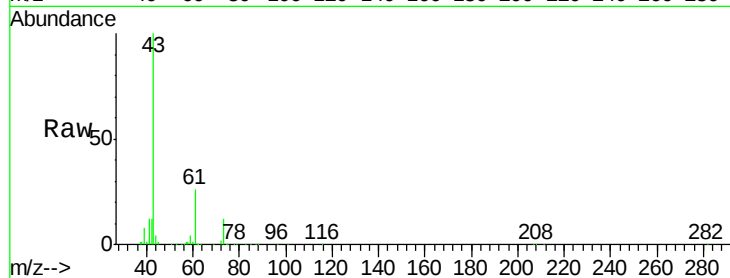
Tgt Ion: 43 Resp: 149782

Ion Ratio Lower Upper

43 100

61 26.1 20.5 30.7

87 0.2 0.4 0.6#



#44

Trichloroethene

Concen: 89.928 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF059639.D

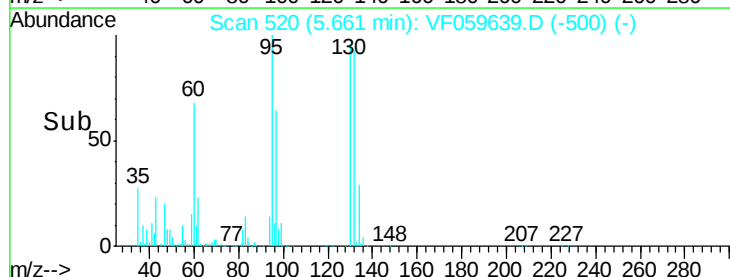
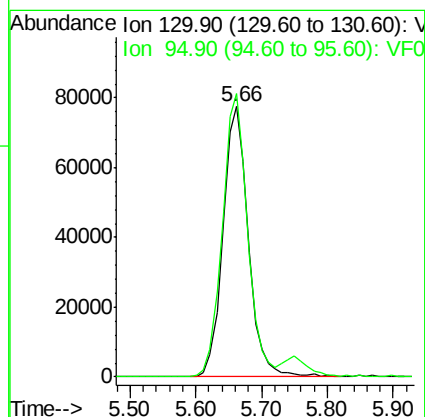
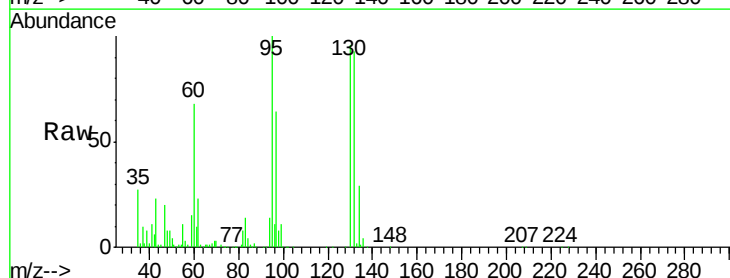
Acq: 24 Jul 2018 18:26

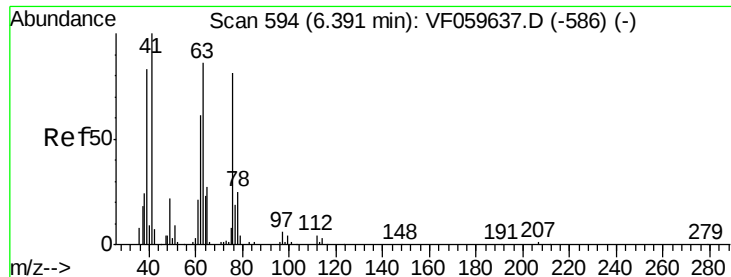
Tgt Ion: 130 Resp: 208345

Ion Ratio Lower Upper

130 100

95 104.7 0.0 193.4

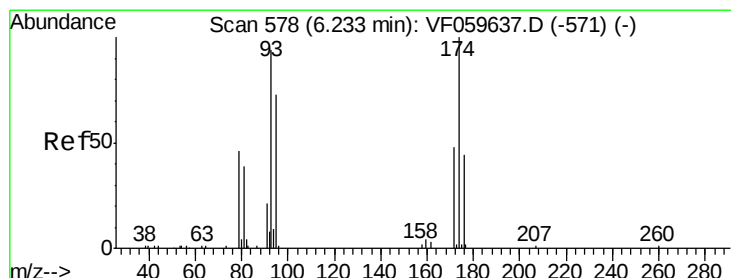
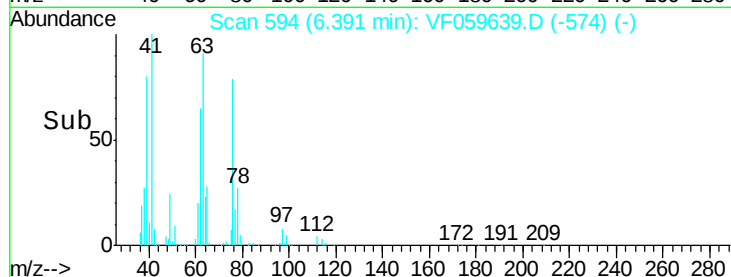
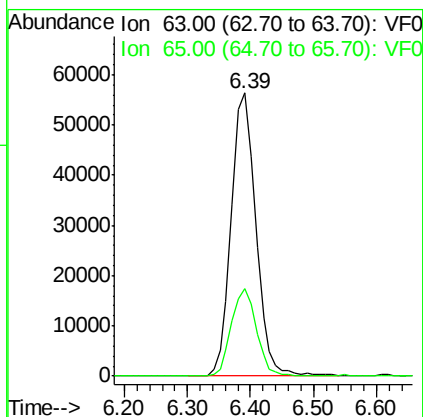
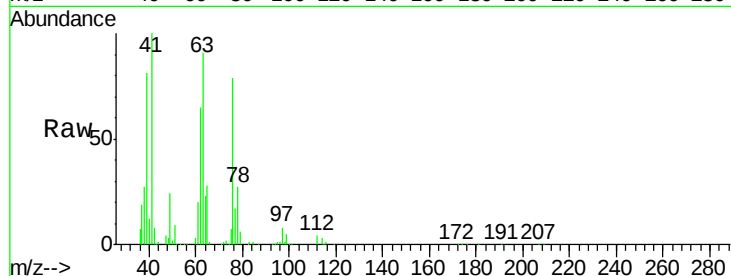




#45
 1,2-Dichloropropane
 Concen: 94.193 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

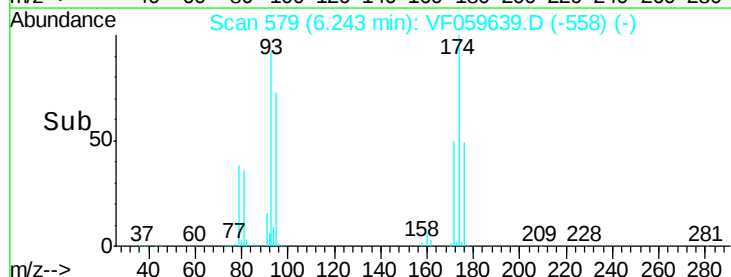
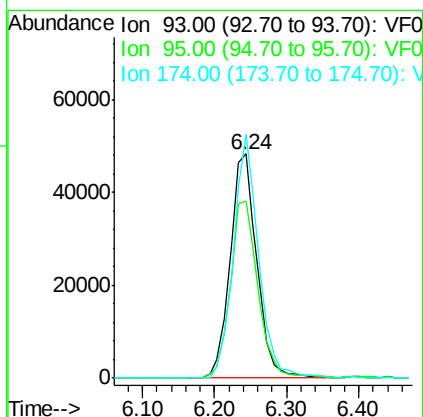
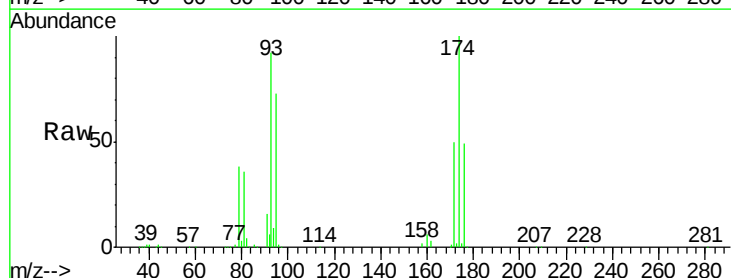
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

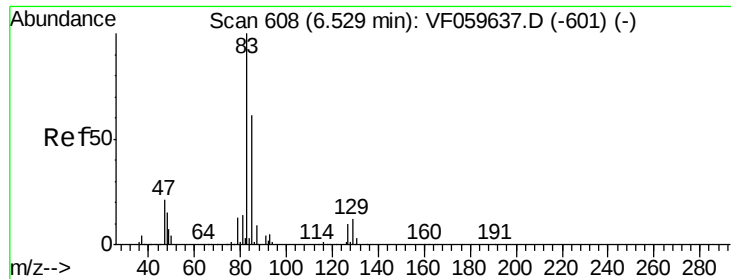
Tgt Ion: 63 Resp: 152926
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7



#46
 Dibromomethane
 Concen: 94.636 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion: 93 Resp: 124903
 Ion Ratio Lower Upper
 93 100
 95 79.4 63.1 94.7
 174 108.8 85.3 127.9





#47

Bromodichloromethane

Concen: 92.550 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

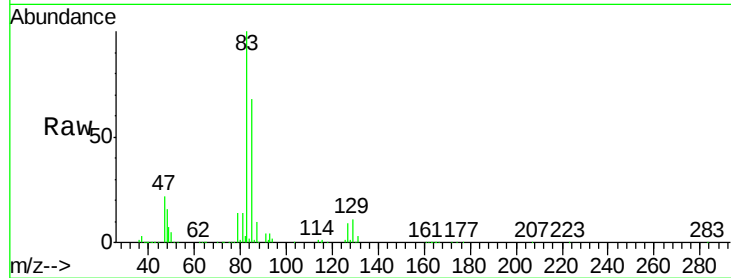
Tgt Ion: 83 Resp: 374050

Ion Ratio Lower Upper

83 100

85 67.8 48.6 72.8

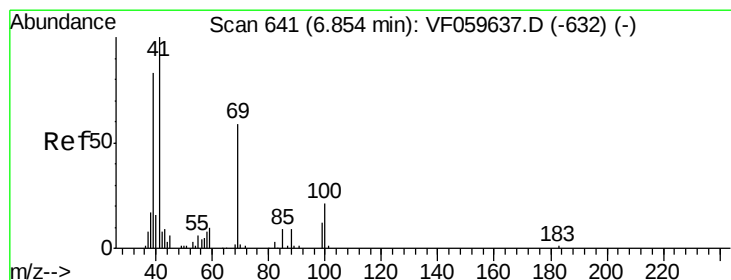
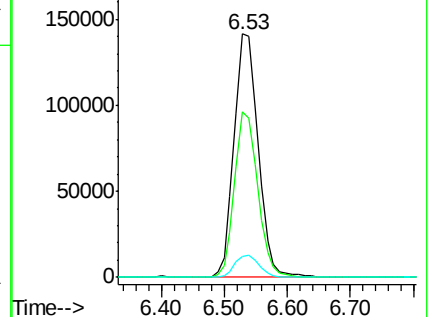
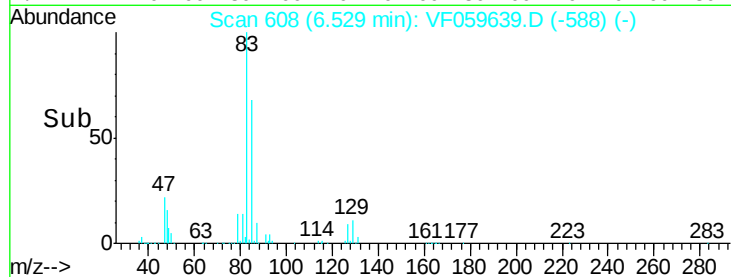
127 8.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 88.863 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

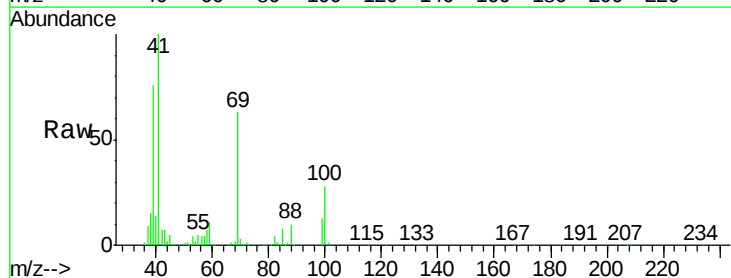
Tgt Ion: 41 Resp: 110121

Ion Ratio Lower Upper

41 100

69 63.1 47.5 71.3

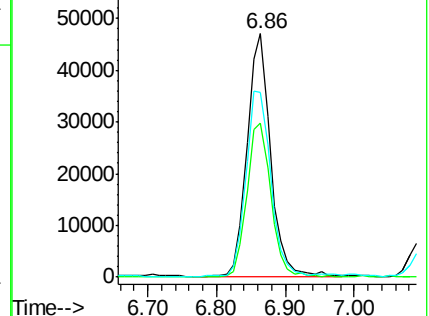
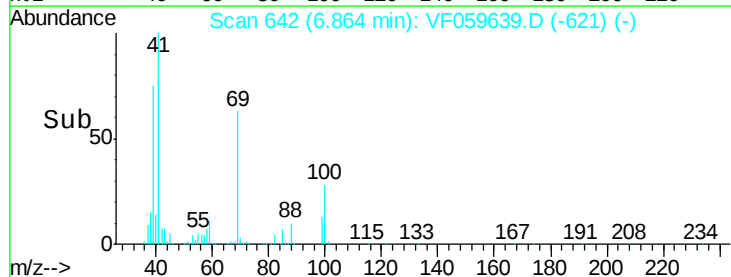
39 76.0 67.0 100.6

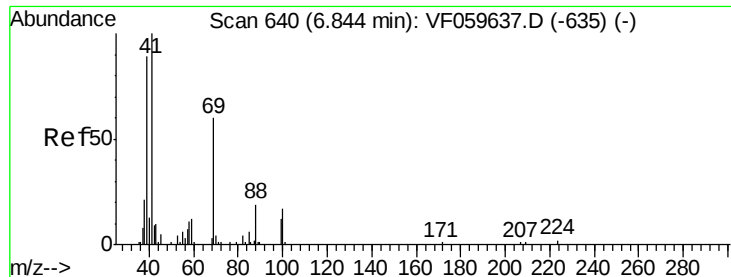


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

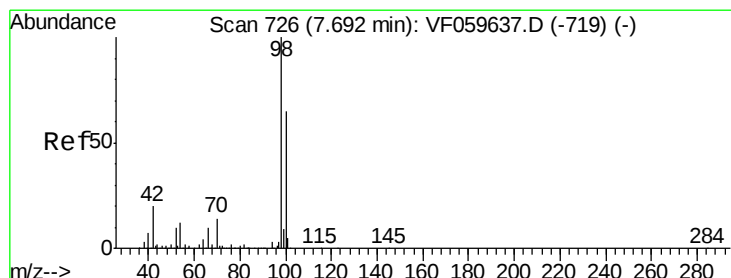
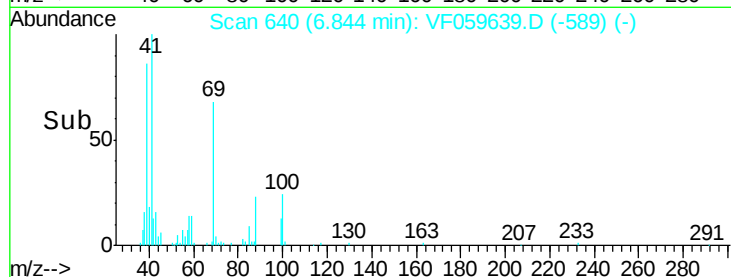
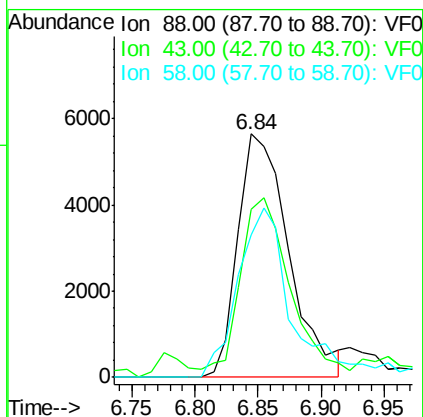
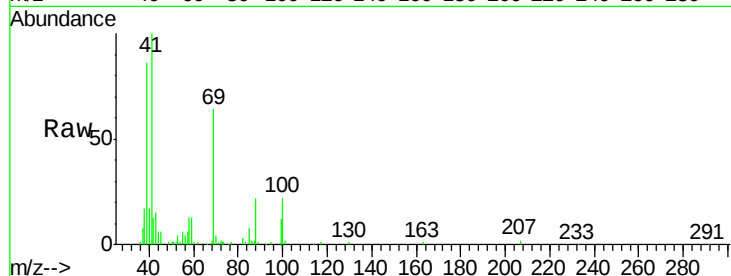




#49
1,4-Dioxane
Concen: 1820.775 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

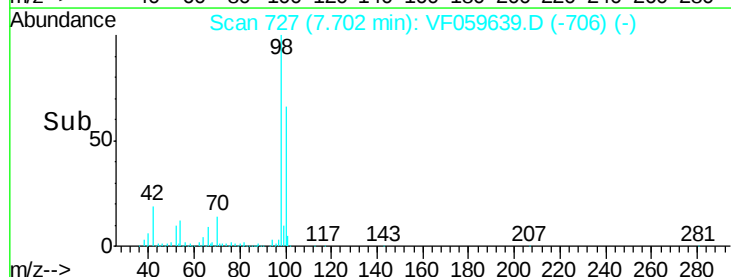
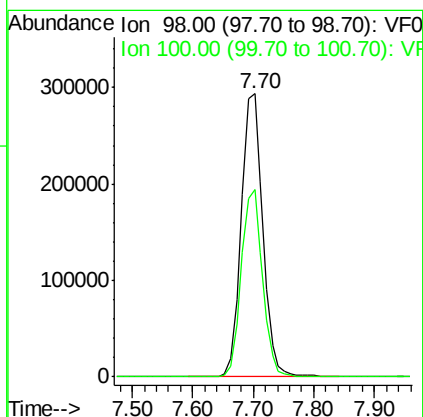
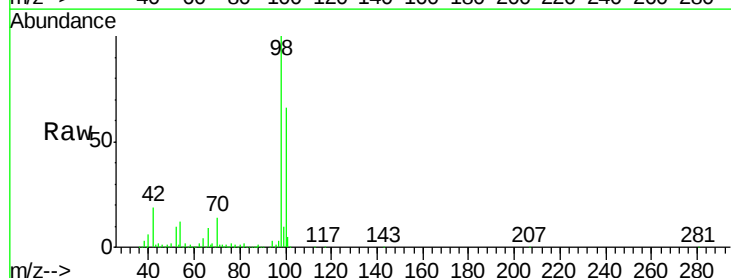
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

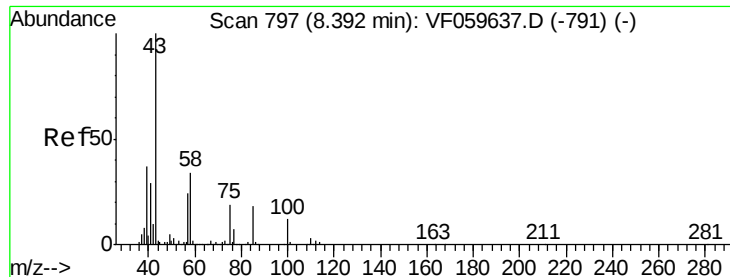
Tgt Ion: 88 Resp: 15861
Ion Ratio Lower Upper
88 100
43 68.8 45.3 67.9#
58 58.7 47.7 71.5



#50
Toluene-d8
Concen: 95.879 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion: 98 Resp: 725288
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 436.088 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

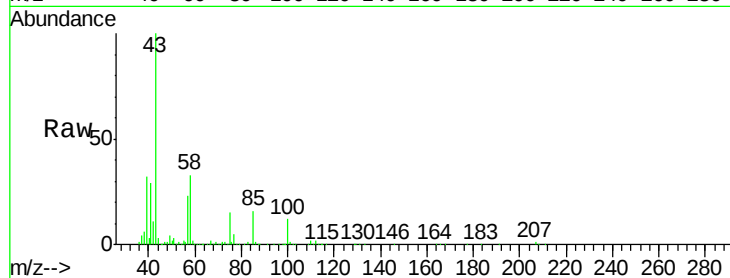
VSTDIC100

Tgt Ion: 43 Resp: 530974

Ion Ratio Lower Upper

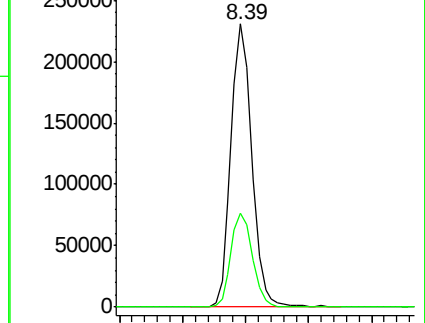
43 100

58 33.2 27.3 40.9

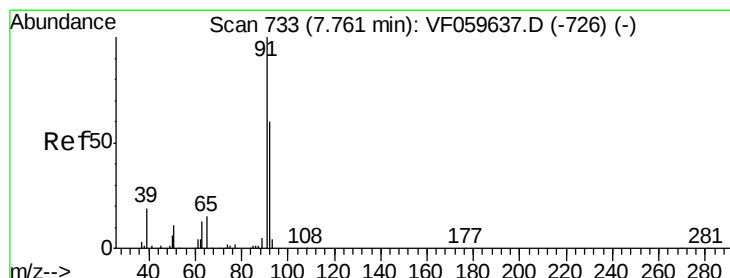
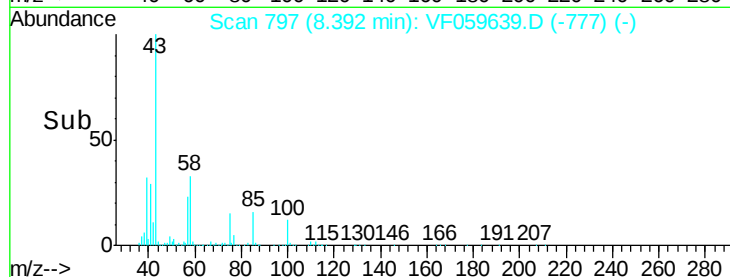


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 85.209 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059639.D

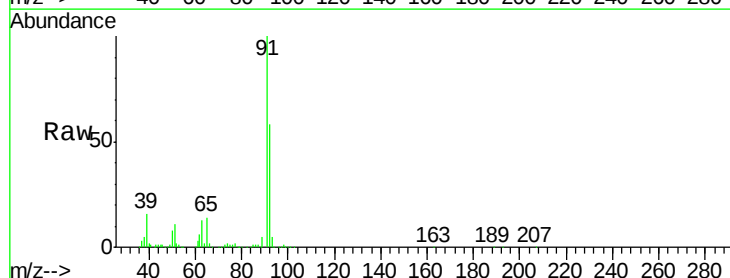
Acq: 24 Jul 2018 18:26

Tgt Ion: 92 Resp: 391299

Ion Ratio Lower Upper

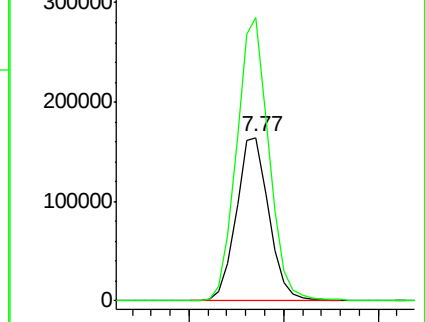
92 100

91 173.4 134.2 201.4

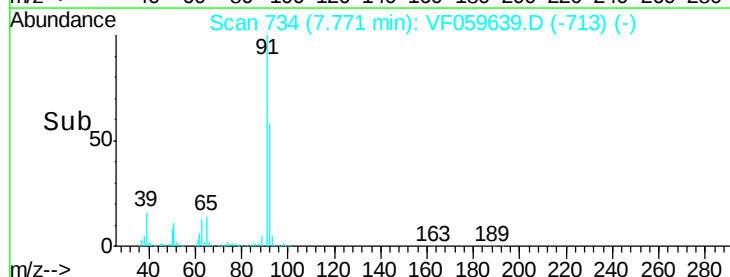


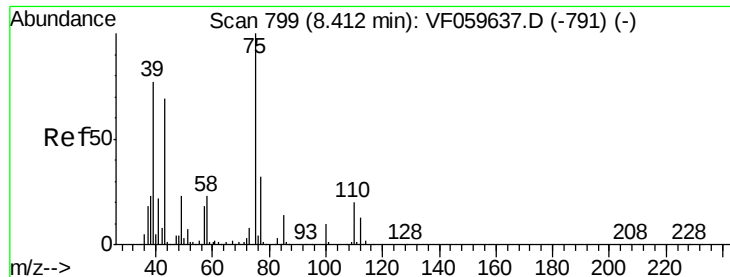
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time--> 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 85.626 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

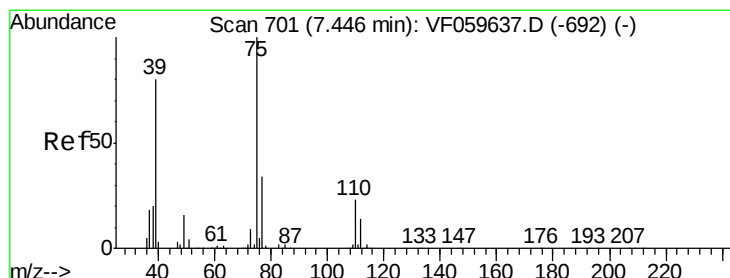
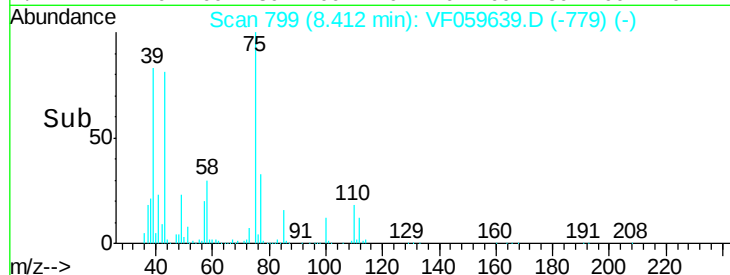
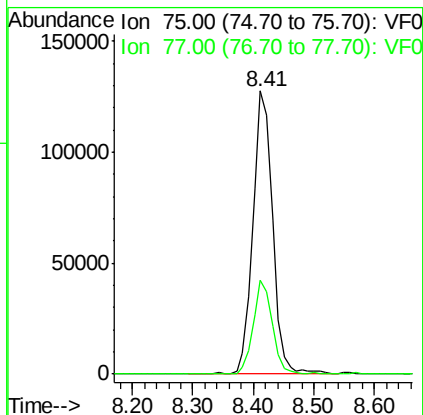
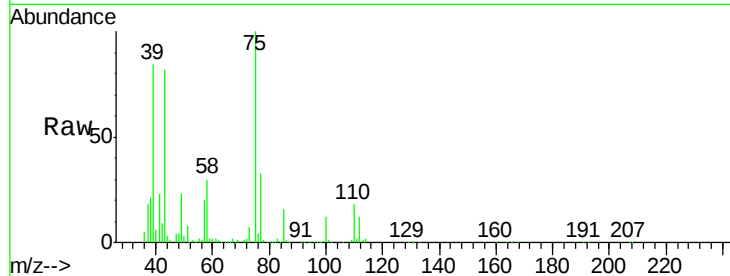
VSTDIC100

Tgt Ion: 75 Resp: 289654

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 92.470 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

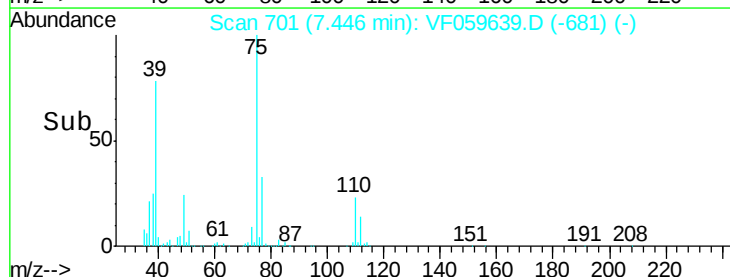
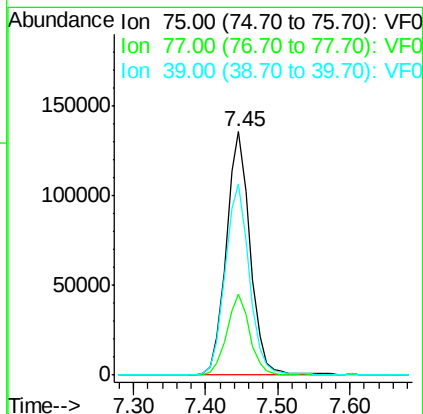
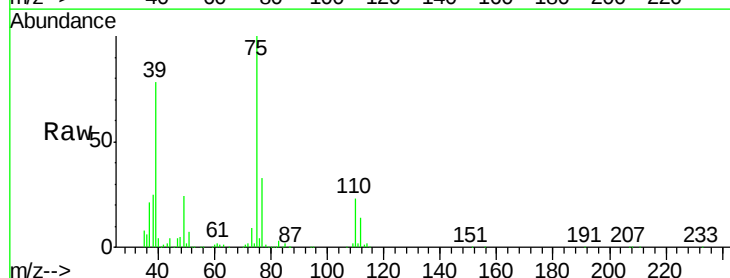
Tgt Ion: 75 Resp: 311608

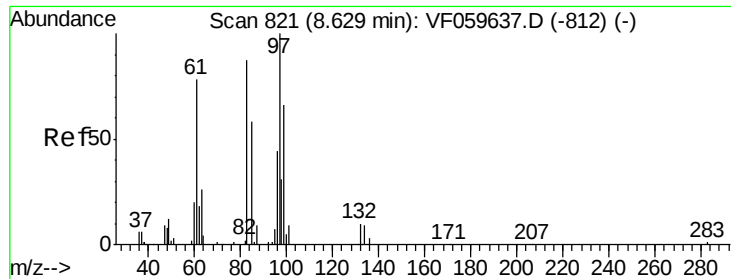
Ion Ratio Lower Upper

75 100

77 33.2 27.5 41.3

39 78.4 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 89.696 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 136639

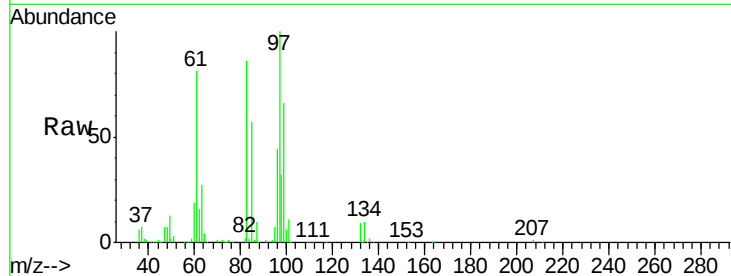
Ion Ratio Lower Upper

97 100

83 85.9 69.5 104.3

85 57.0 46.0 69.0

99 66.3 53.2 79.8

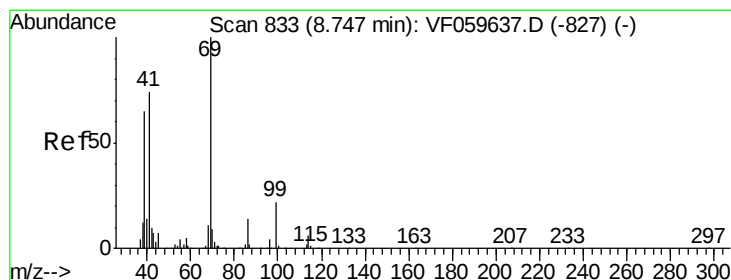
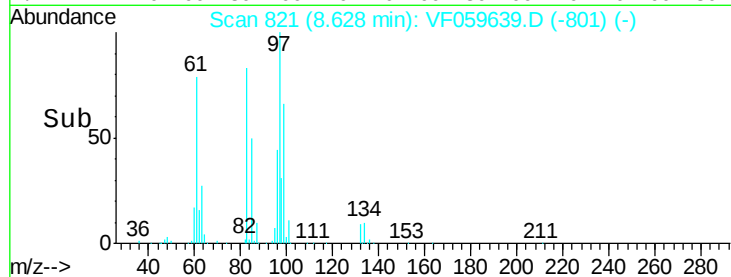
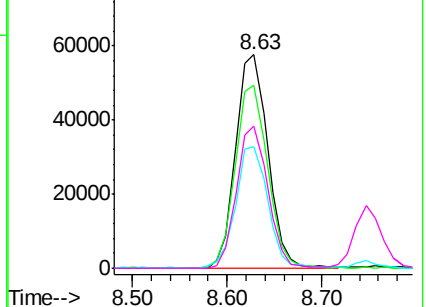


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 88.899 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

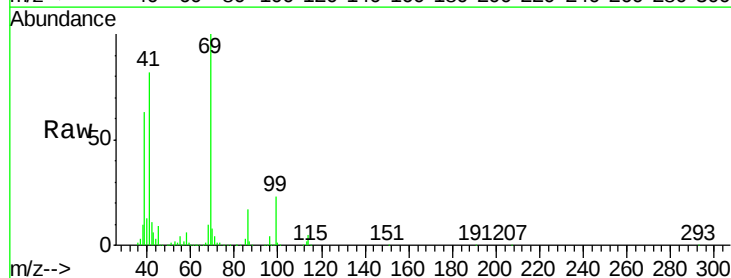
Tgt Ion: 69 Resp: 150128

Ion Ratio Lower Upper

69 100

41 82.0 59.1 88.7

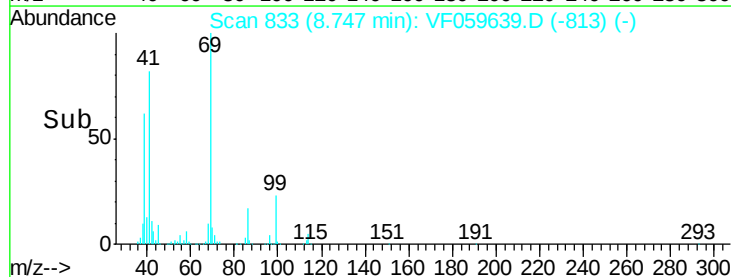
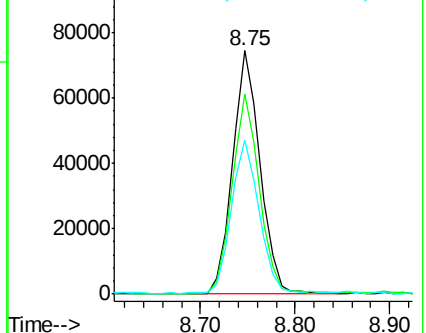
39 63.1 52.4 78.6

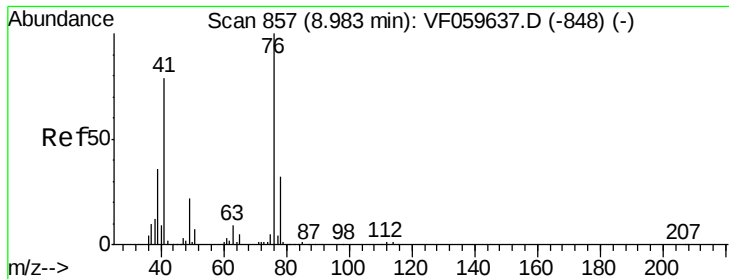


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 87.323 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

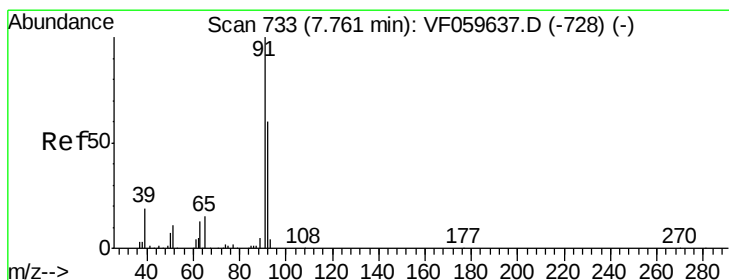
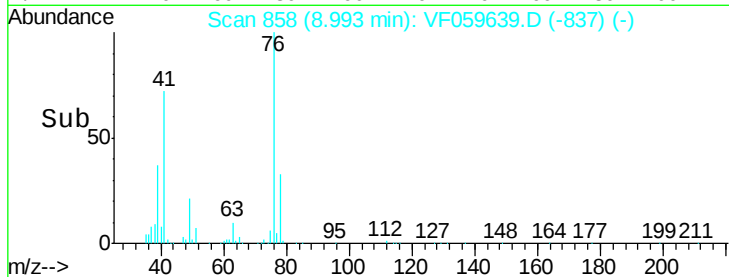
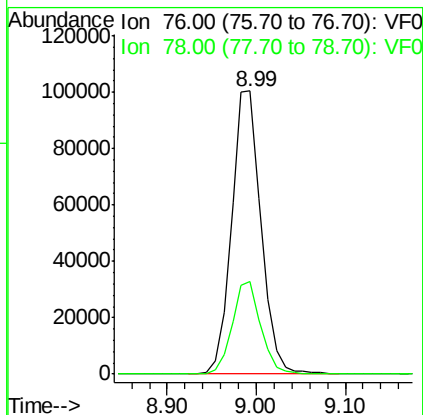
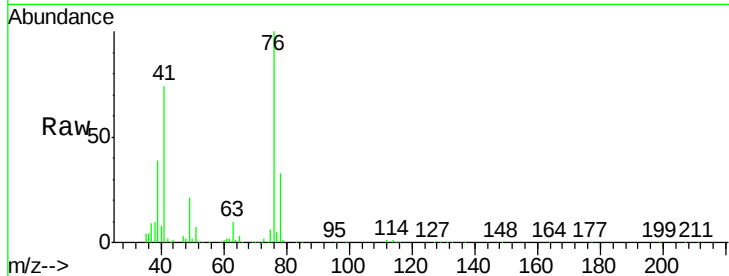
VSTDIC100

Tgt Ion: 76 Resp: 232454

Ion Ratio Lower Upper

76 100

78 32.6 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 416.725 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059639.D

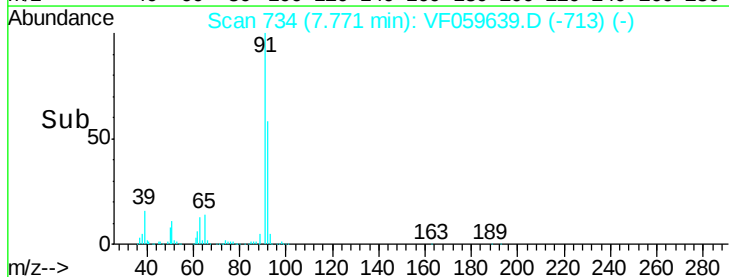
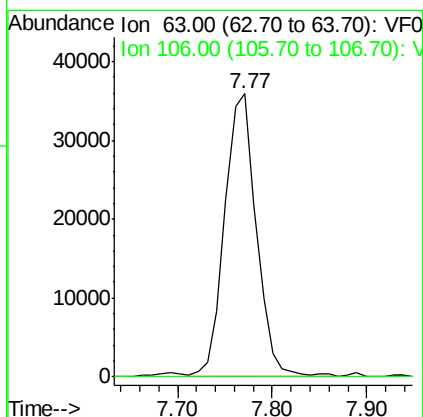
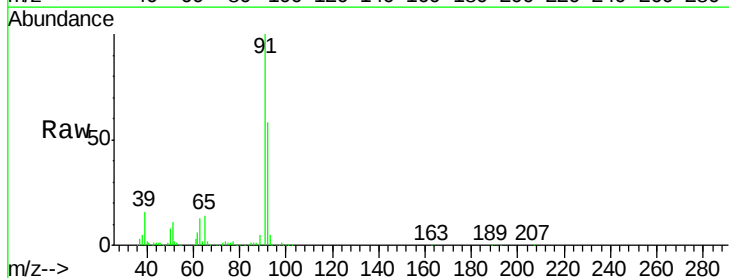
Acq: 24 Jul 2018 18:26

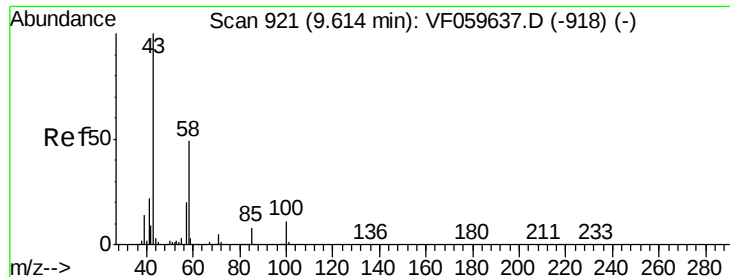
Tgt Ion: 63 Resp: 83532

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

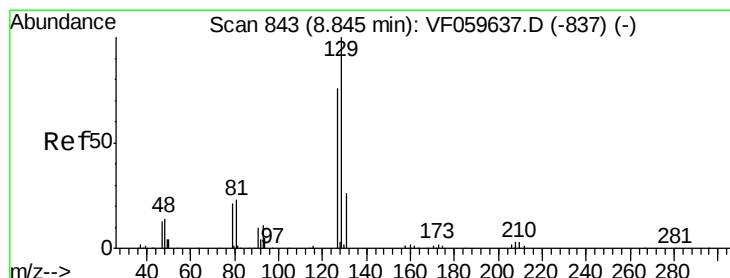
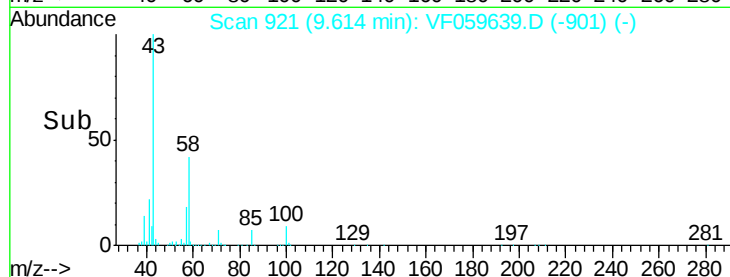
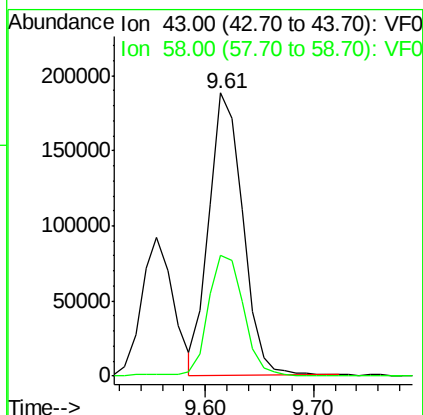
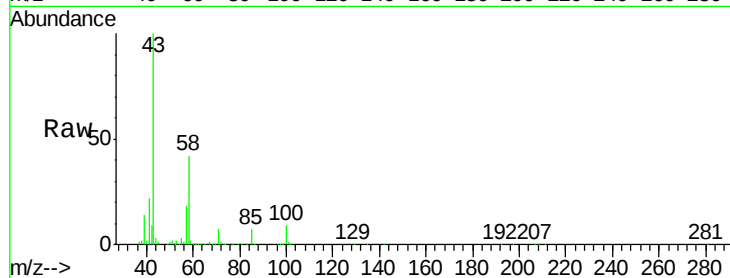




#59
2-Hexanone
Concen: 421.048 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

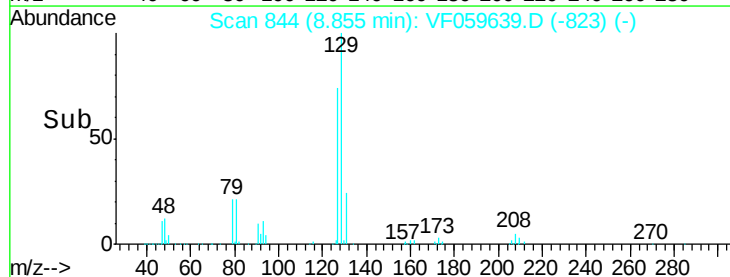
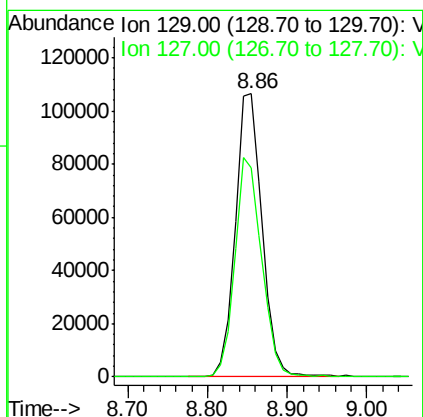
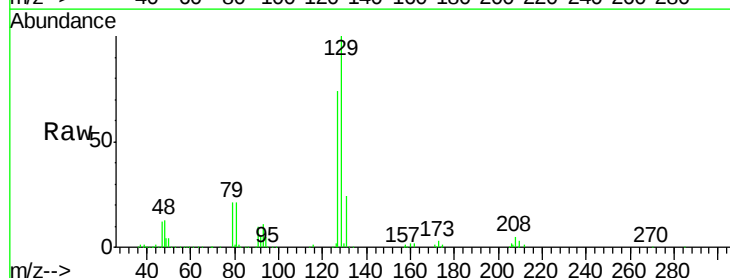
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

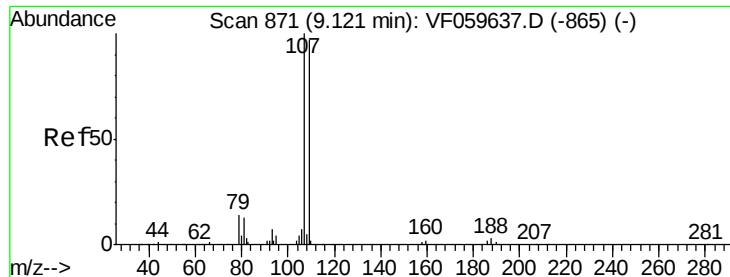
Tgt Ion: 43 Resp: 407286
Ion Ratio Lower Upper
43 100
58 42.5 23.6 71.0



#60
Dibromochloromethane
Concen: 90.797 ug/l
RT: 8.86 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion: 129 Resp: 248369
Ion Ratio Lower Upper
129 100
127 73.8 38.1 114.5

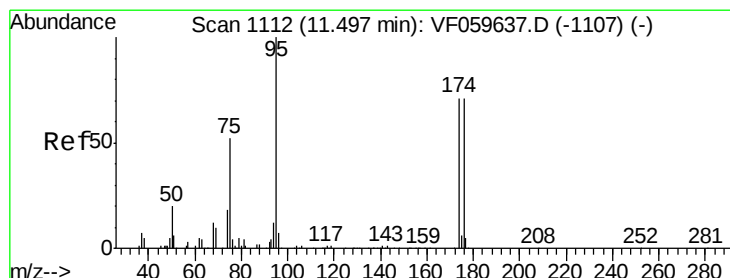
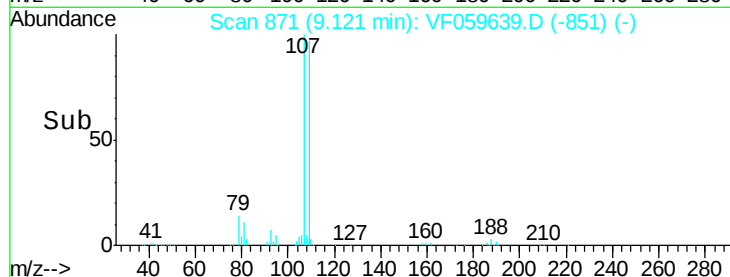
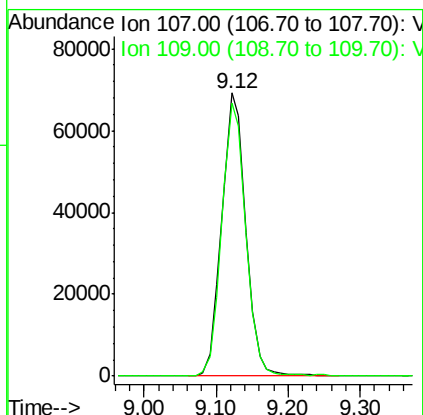
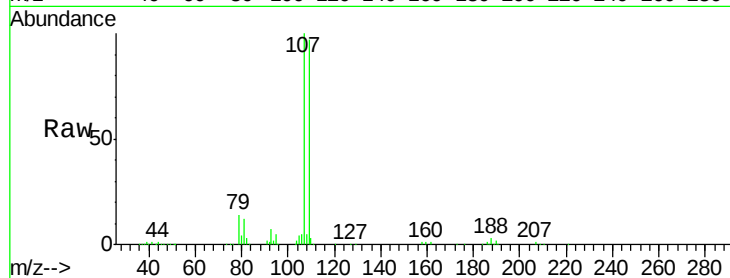




#61
 1,2-Dibromoethane
 Concen: 90.802 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

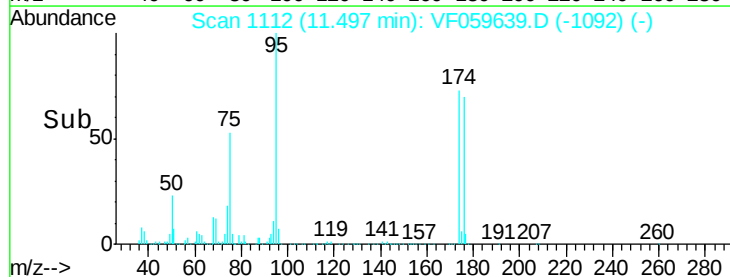
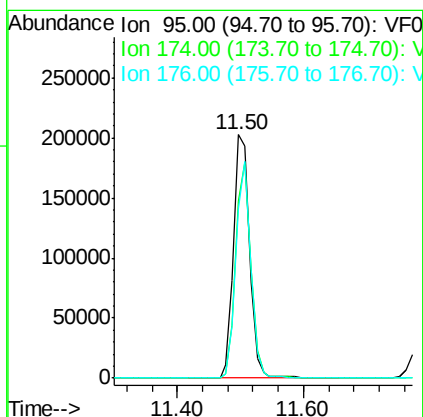
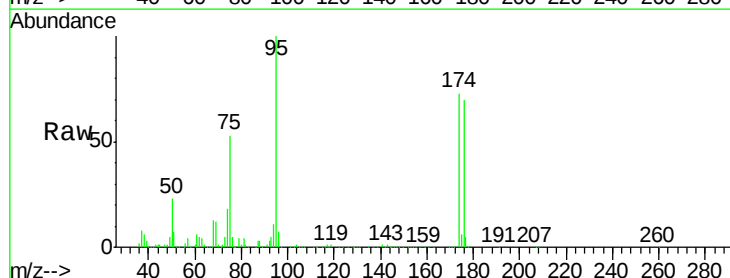
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

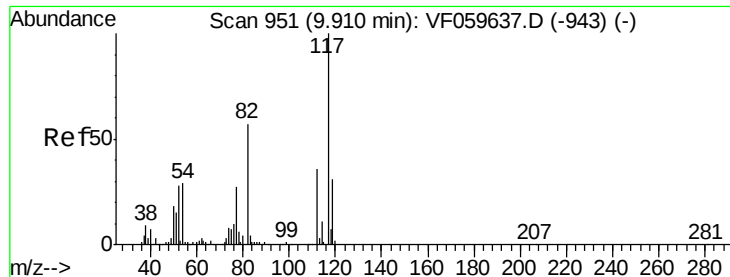
Tgt Ion: 107 Resp: 159204
 Ion Ratio Lower Upper
 107 100
 109 96.6 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 82.466 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion: 95 Resp: 355466
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 141.8
 176 69.5 0.0 142.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

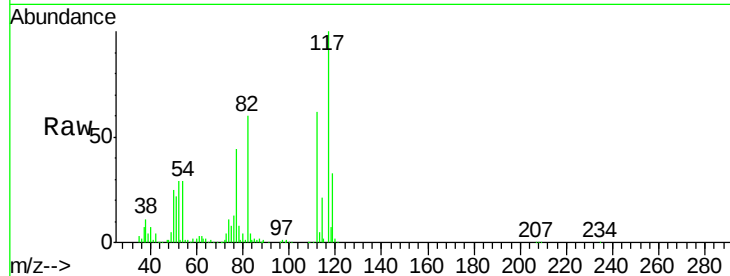
Tgt Ion:117 Resp: 308590

Ion Ratio Lower Upper

117 100

82 59.6 45.9 68.9

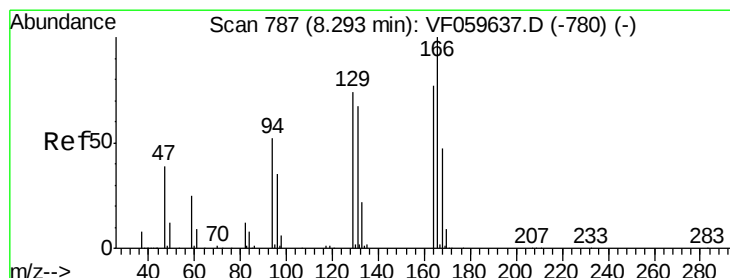
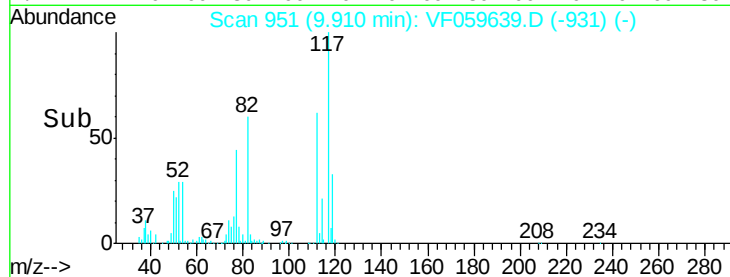
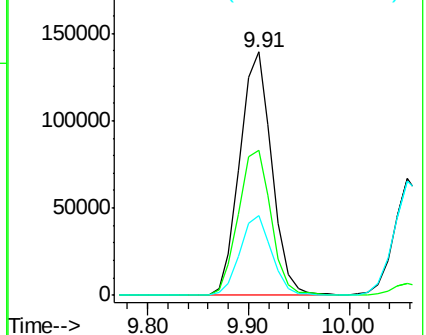
119 32.8 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 95.363 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:164 Resp: 220340

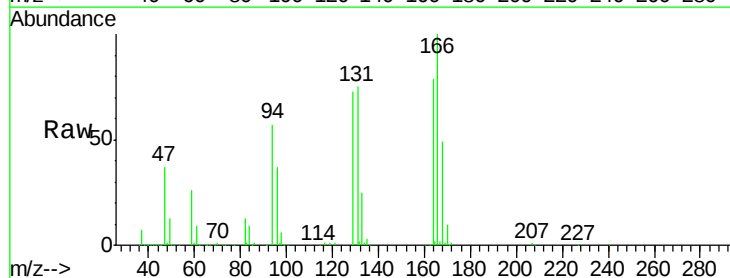
Ion Ratio Lower Upper

164 100

166 126.4 103.3 154.9

129 92.1 76.2 114.2

131 94.7 69.1 103.7

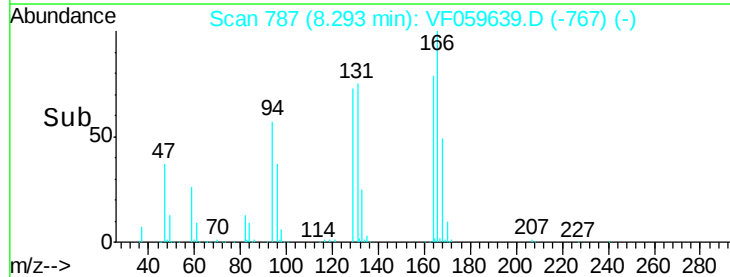
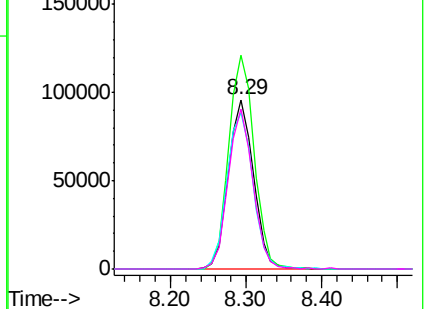


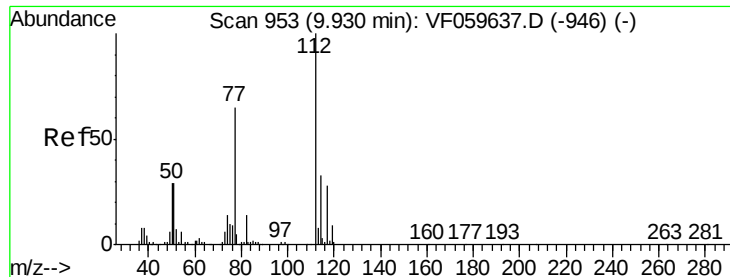
Abundance Ion 163.85 (163.55 to 164.55): V

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: 94.468 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

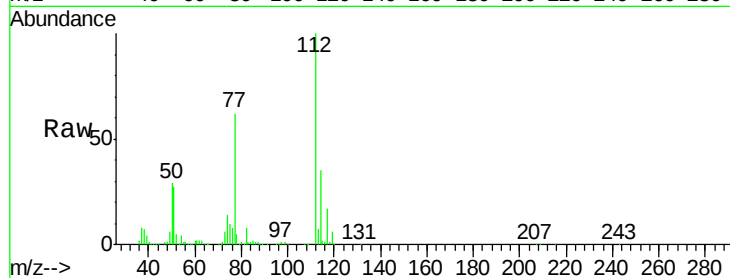
VSTDIC100

Tgt Ion:112 Resp: 531489

Ion Ratio Lower Upper

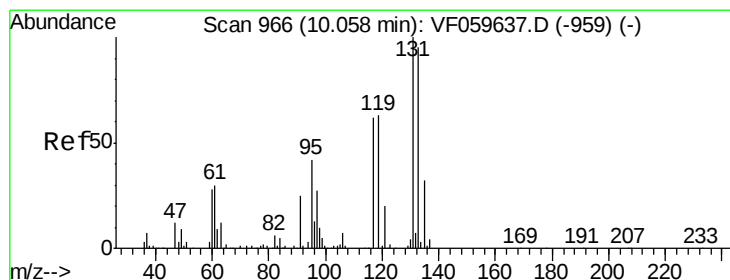
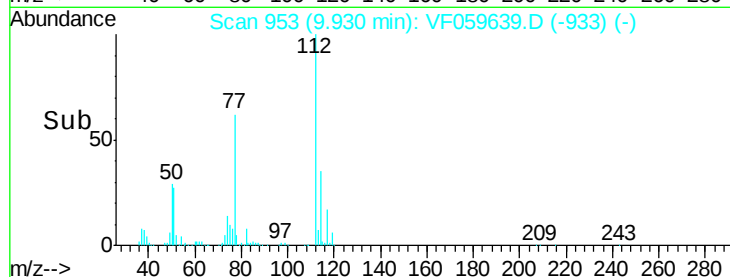
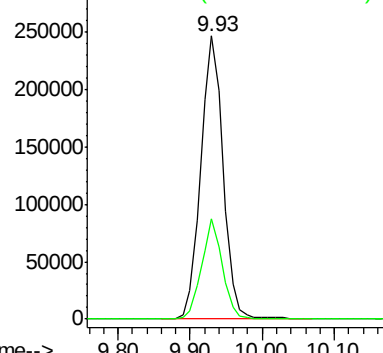
112 100

114 35.2 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 93.063 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

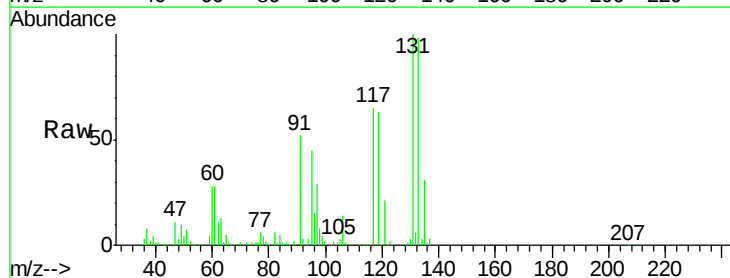
Tgt Ion:131 Resp: 238550

Ion Ratio Lower Upper

131 100

133 98.0 47.5 142.6

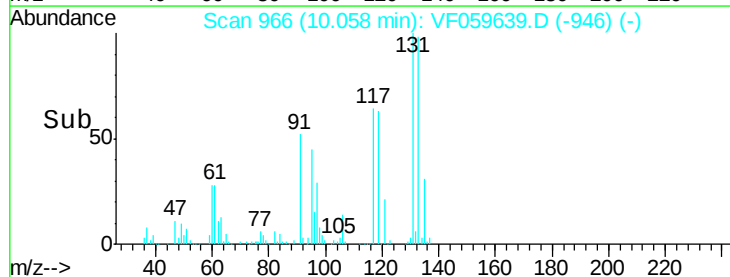
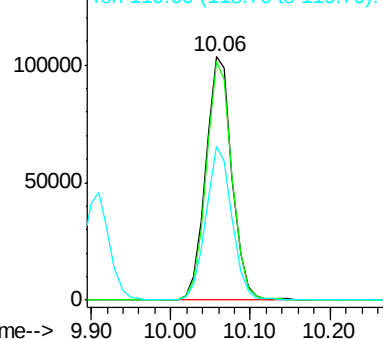
119 63.4 31.8 95.4

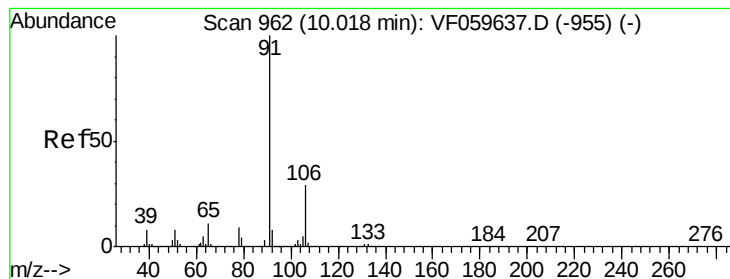


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 91.006 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

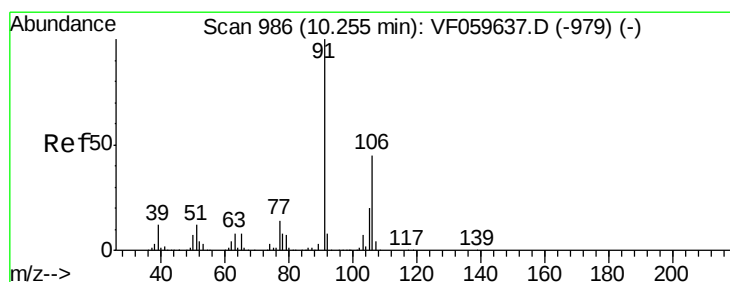
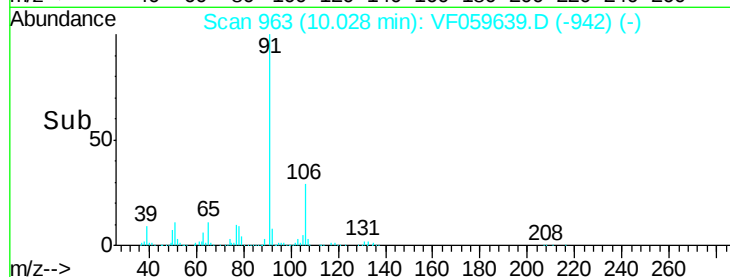
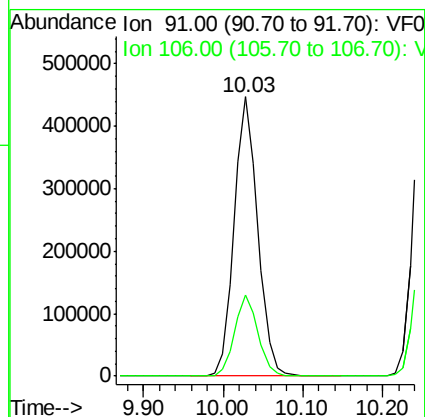
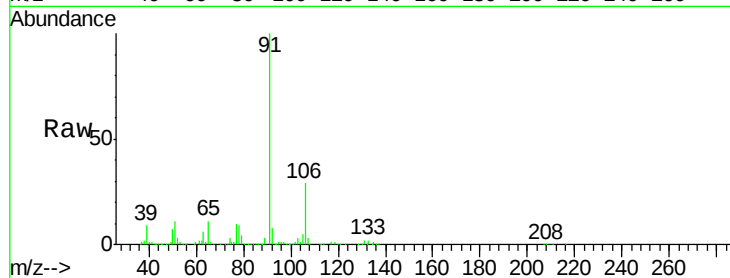
VSTDIC100

Tgt Ion: 91 Resp: 927299

Ion Ratio Lower Upper

91 100

106 28.9 23.4 35.0



#68

m/p-Xylenes

Concen: 187.244 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF059639.D

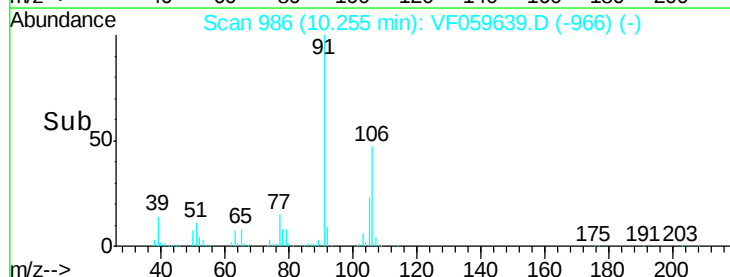
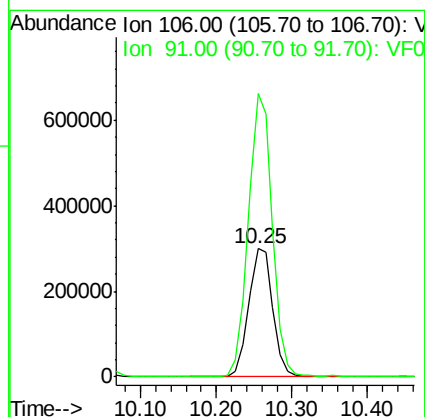
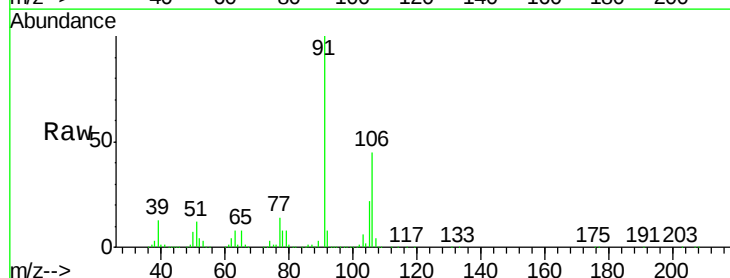
Acq: 24 Jul 2018 18:26

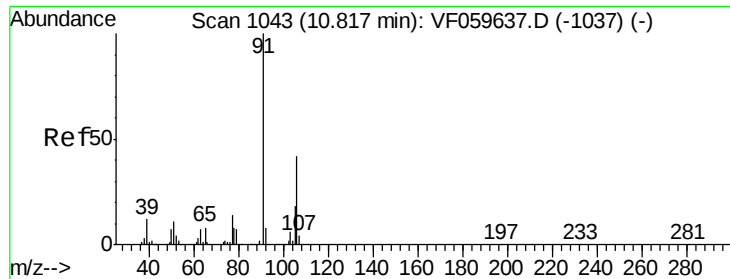
Tgt Ion: 106 Resp: 661935

Ion Ratio Lower Upper

106 100

91 221.2 177.8 266.8

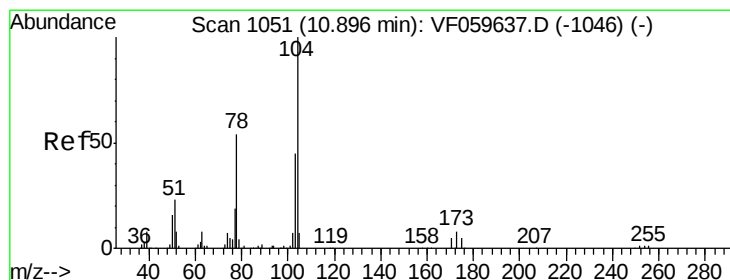
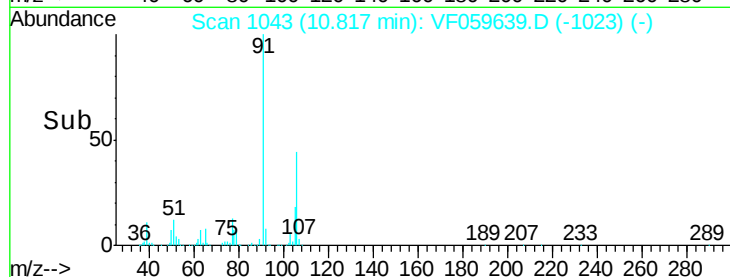
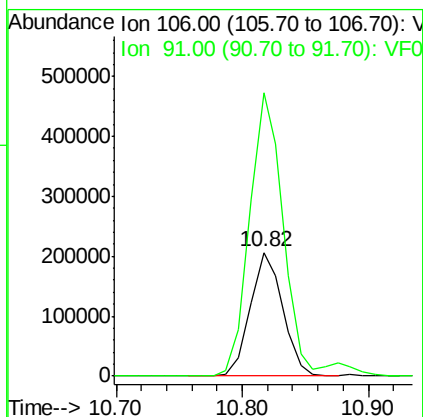
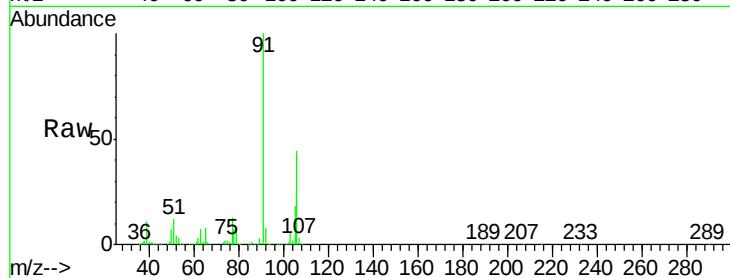




#69
o-Xylene
Concen: 97.300 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

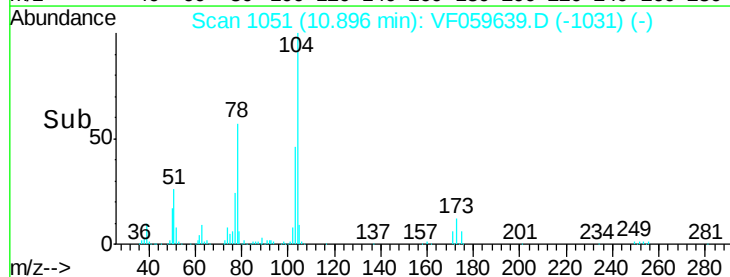
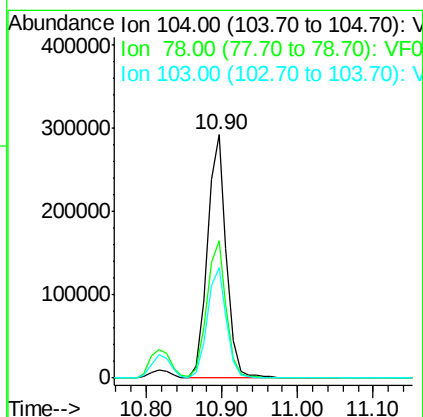
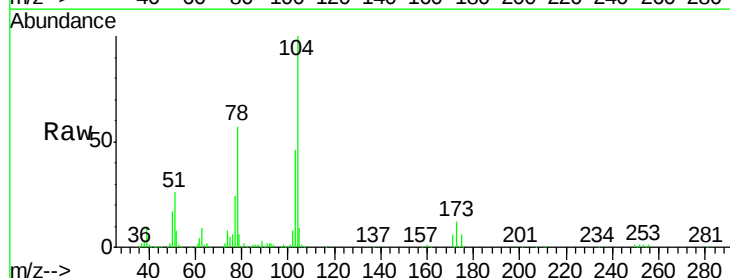
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

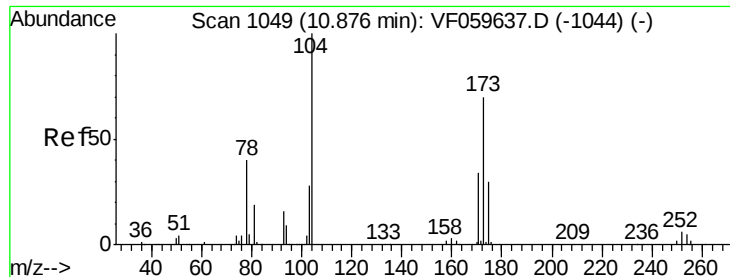
Tgt Ion:106 Resp: 370931
Ion Ratio Lower Upper
106 100
91 228.7 119.3 357.9



#70
Styrene
Concen: 89.258 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion:104 Resp: 506908
Ion Ratio Lower Upper
104 100
78 56.5 43.4 65.2
103 45.5 36.7 55.1





#71

Bromoform

Concen: 90.513 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

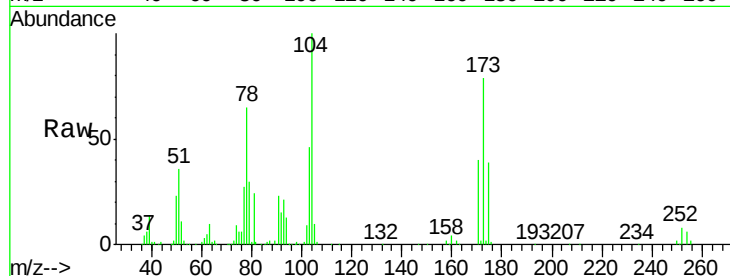
Tgt Ion:173 Resp: 142426

Ion Ratio Lower Upper

173 100

175 49.2 21.6 65.0

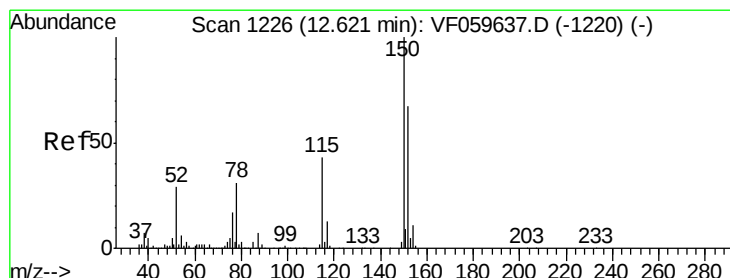
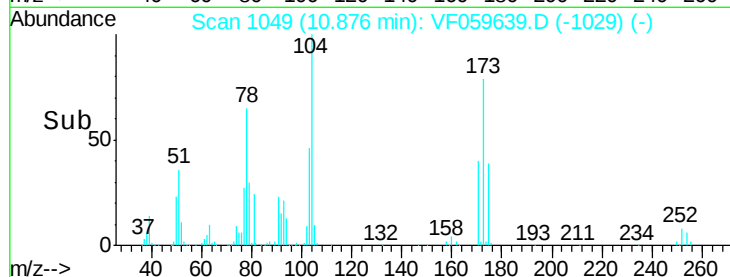
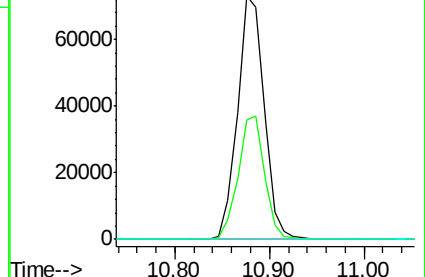
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

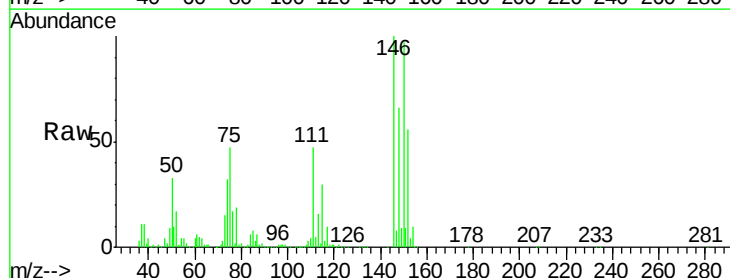
Tgt Ion:152 Resp: 193084

Ion Ratio Lower Upper

152 100

115 53.6 32.0 96.2

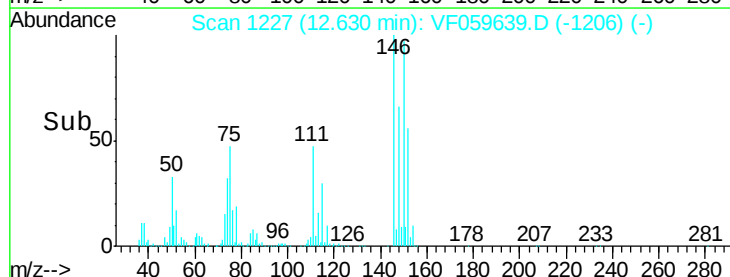
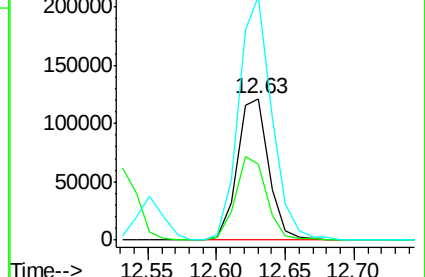
150 172.4 0.0 313.2

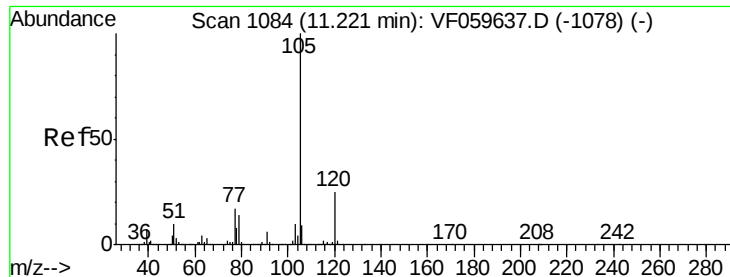


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 89.398 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

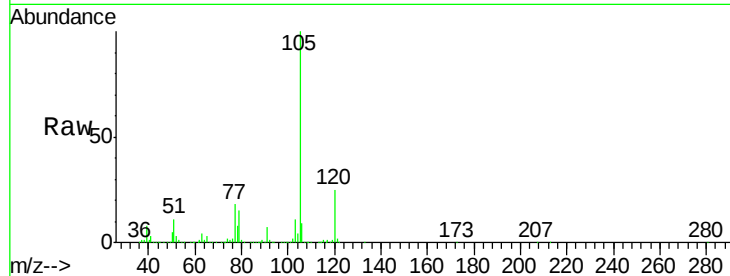
VSTDIC100

Tgt Ion:105 Resp: 1094303

Ion Ratio Lower Upper

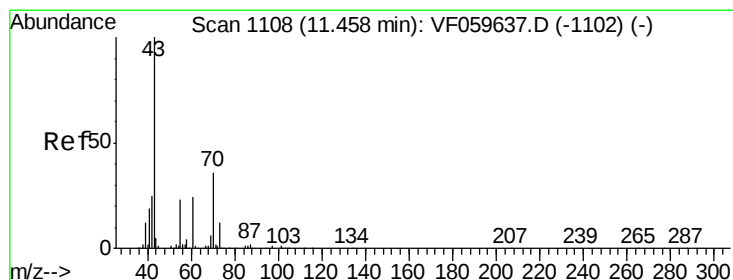
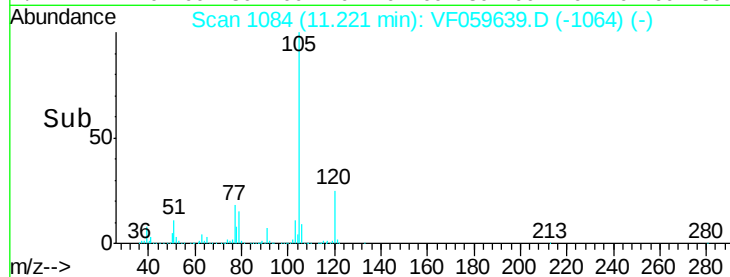
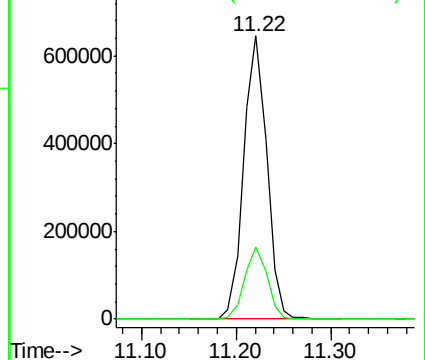
105 100

120 25.4 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 100.868 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion: 43 Resp: 271206

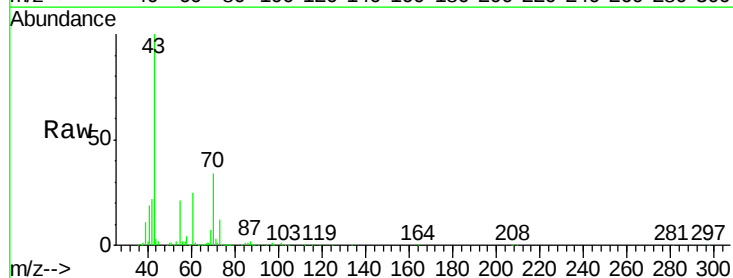
Ion Ratio Lower Upper

43 100

70 34.1 29.4 44.0

55 21.2 18.2 27.4

61 25.1 18.9 28.3

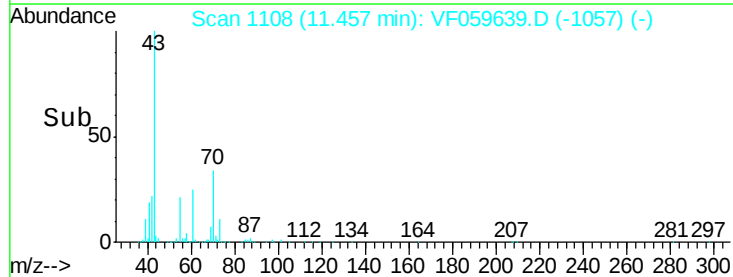
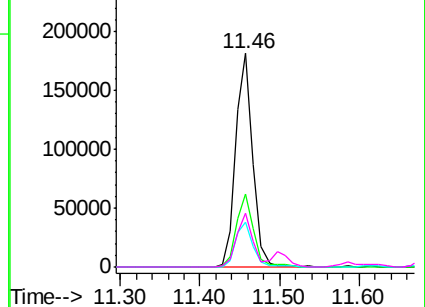


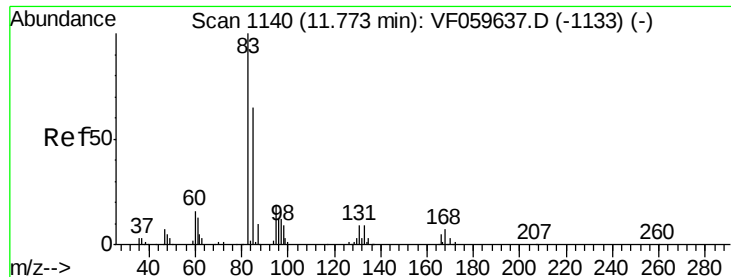
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 87.132 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

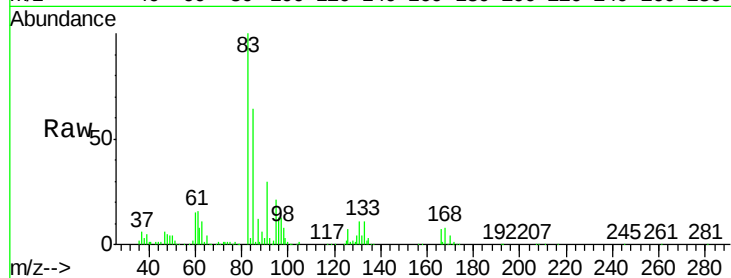
Tgt Ion: 83 Resp: 176309

Ion Ratio Lower Upper

83 100

131 11.4 4.5 13.5

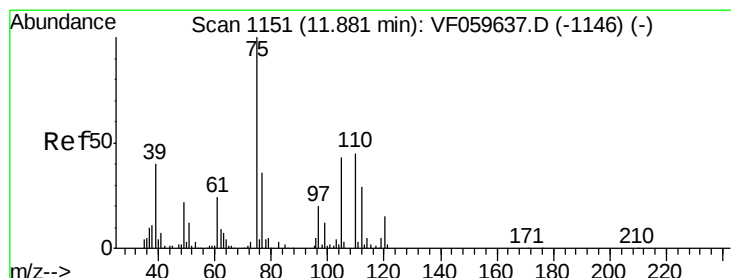
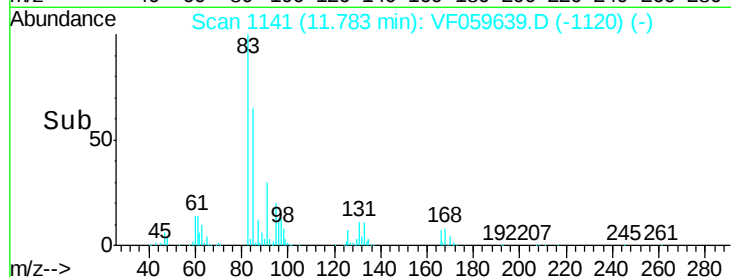
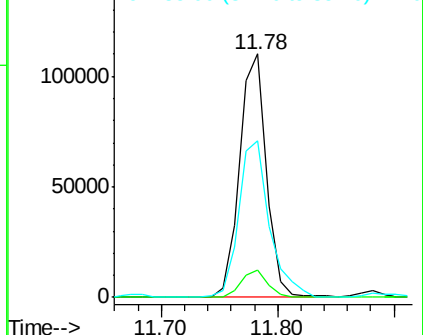
85 64.5 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 83.487 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059639.D

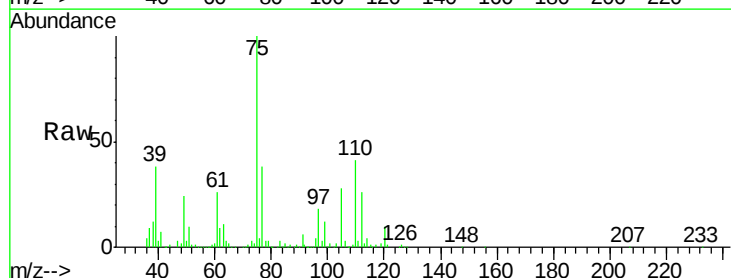
Acq: 24 Jul 2018 18:26

Tgt Ion: 75 Resp: 147954

Ion Ratio Lower Upper

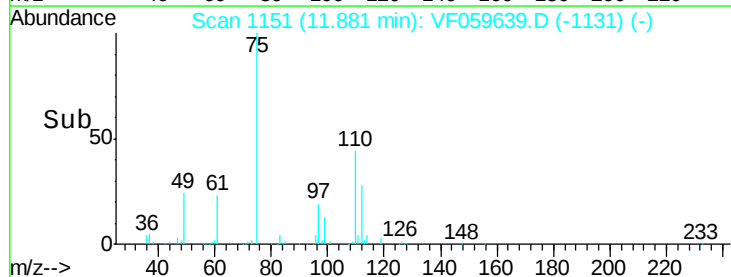
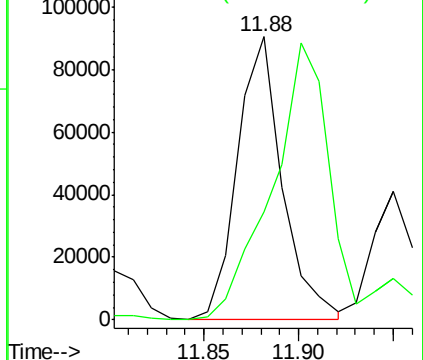
75 100

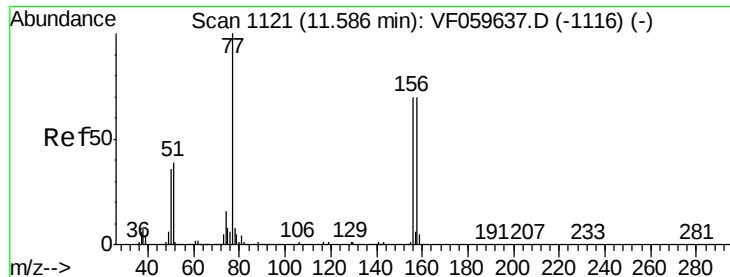
77 38.3 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 86.773 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

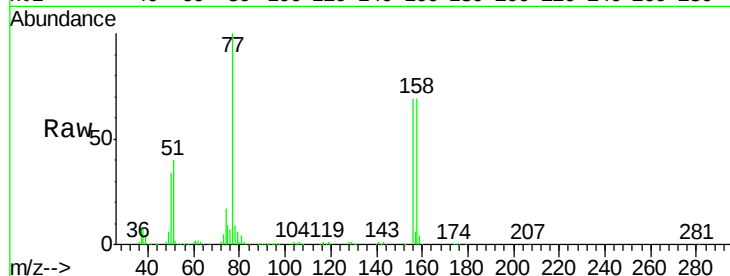
Tgt Ion:156 Resp: 270921

Ion Ratio Lower Upper

156 100

77 143.9 71.5 214.3

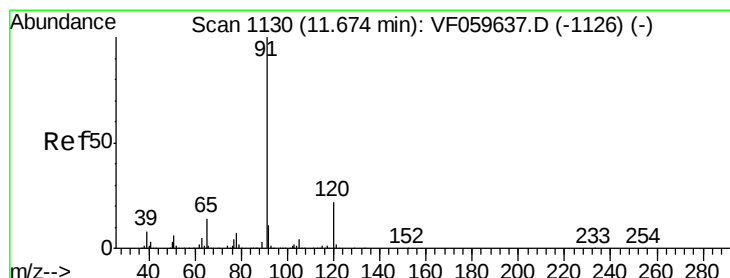
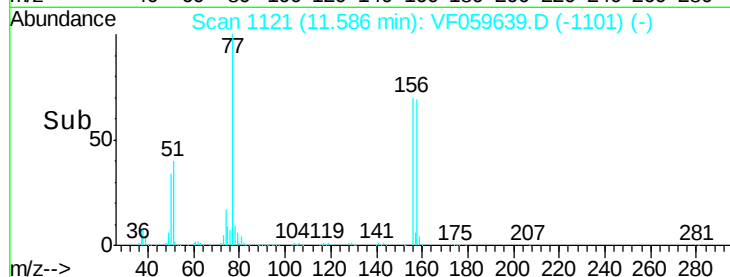
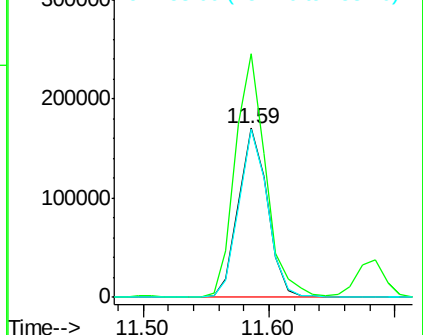
158 99.4 50.0 149.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 87.206 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF059639.D

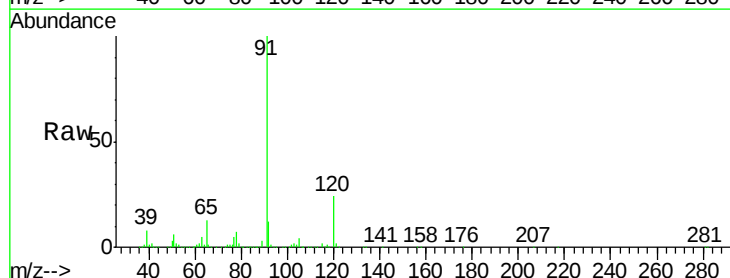
Acq: 24 Jul 2018 18:26

Tgt Ion: 91 Resp: 1273422

Ion Ratio Lower Upper

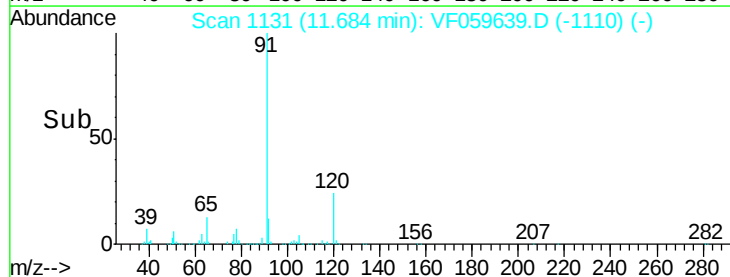
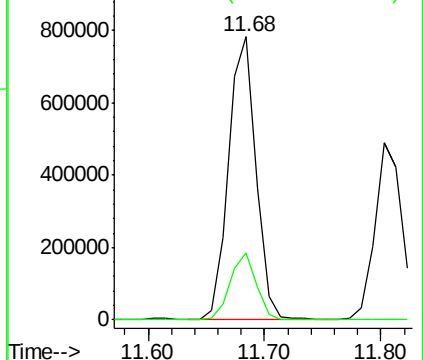
91 100

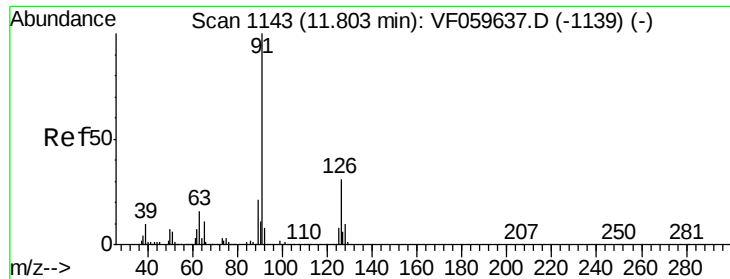
120 23.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

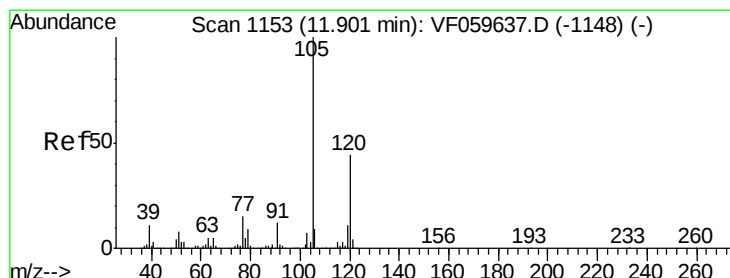
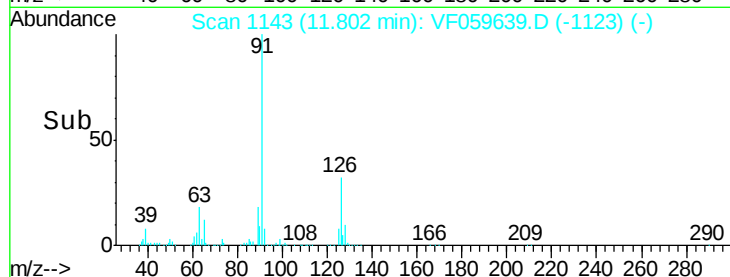
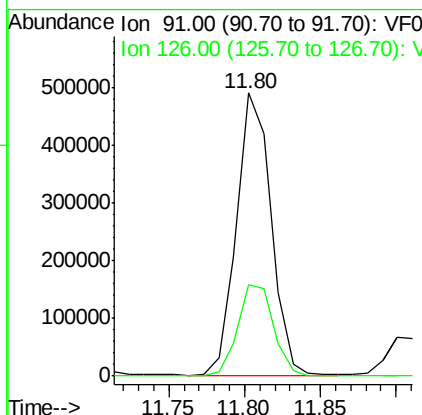
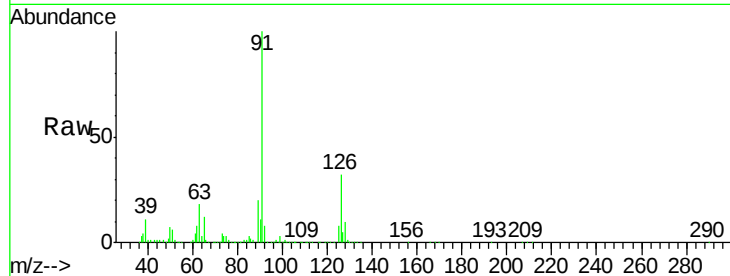




#79
 2-Chlorotoluene
 Concen: 88.319 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

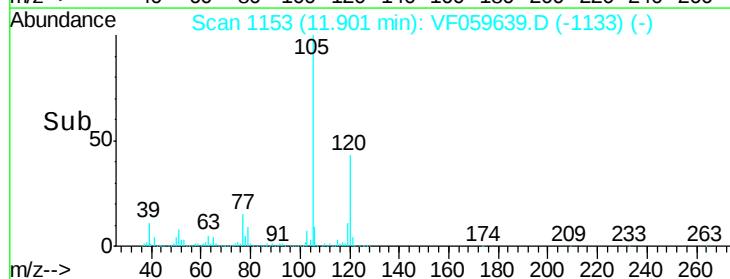
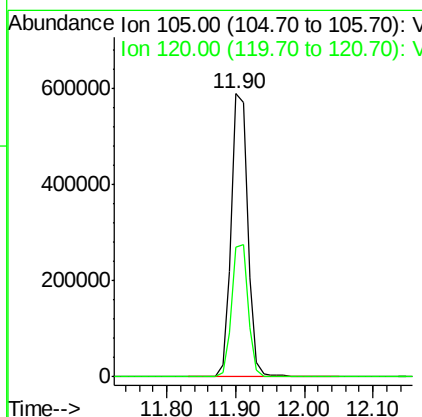
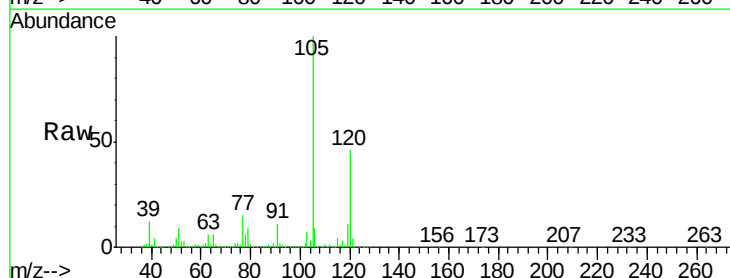
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

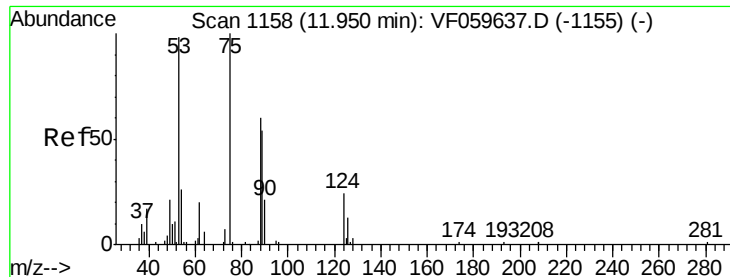
Tgt Ion: 91 Resp: 775526
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 89.589 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion: 105 Resp: 984169
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 122.074 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

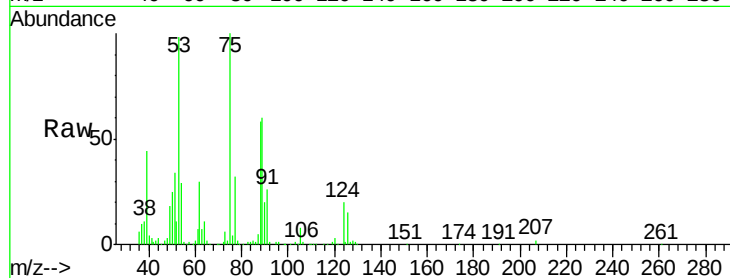
Tgt Ion: 75 Resp: 89557

Ion Ratio Lower Upper

75 100

53 98.2 82.3 123.5

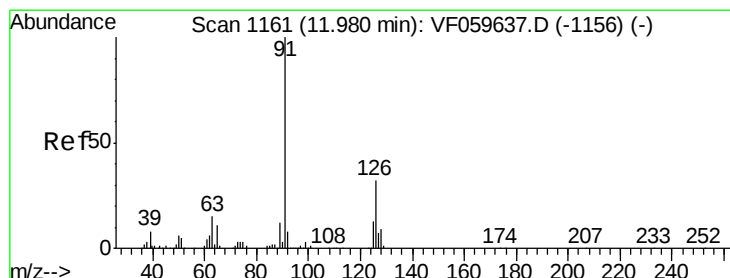
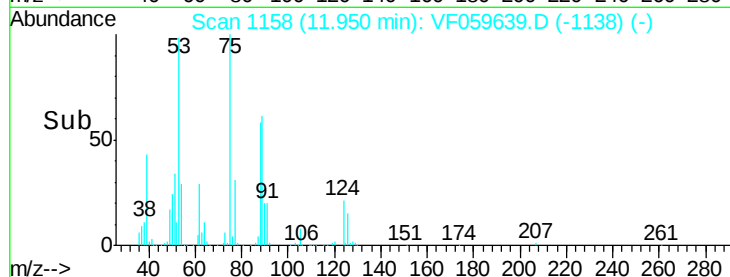
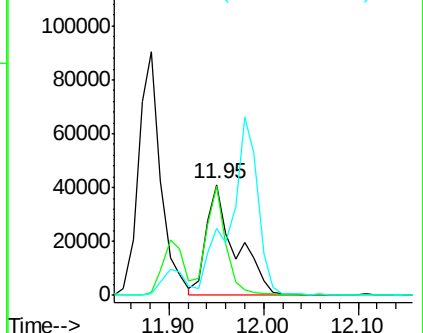
89 60.3 48.2 72.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 87.477 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059639.D

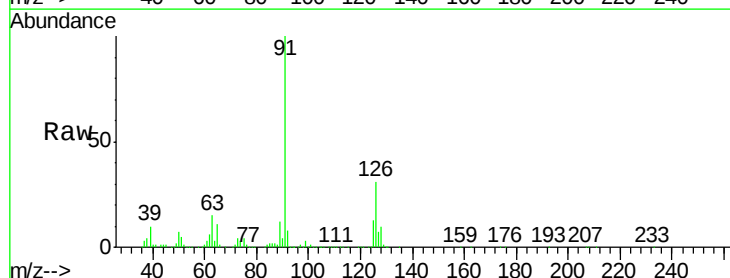
Acq: 24 Jul 2018 18:26

Tgt Ion: 91 Resp: 851274

Ion Ratio Lower Upper

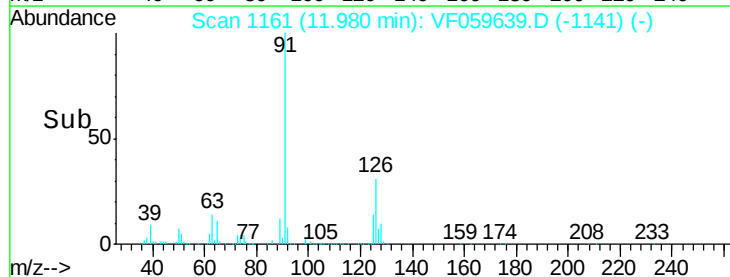
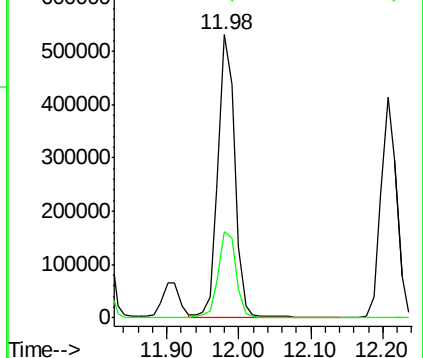
91 100

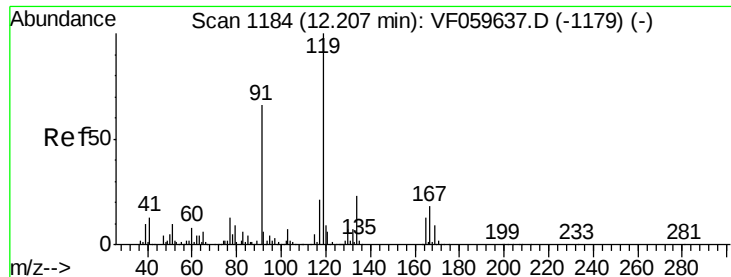
126 30.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 90.114 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

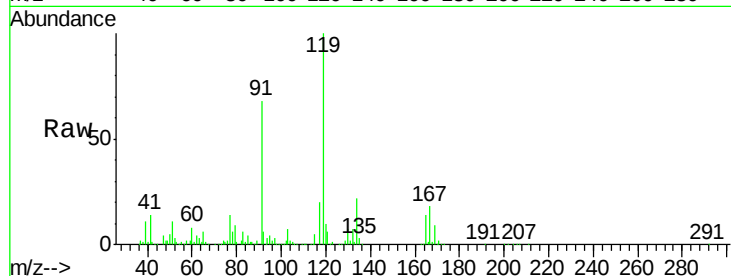
Tgt Ion:119 Resp: 977719

Ion Ratio Lower Upper

119 100

91 67.9 33.2 99.6

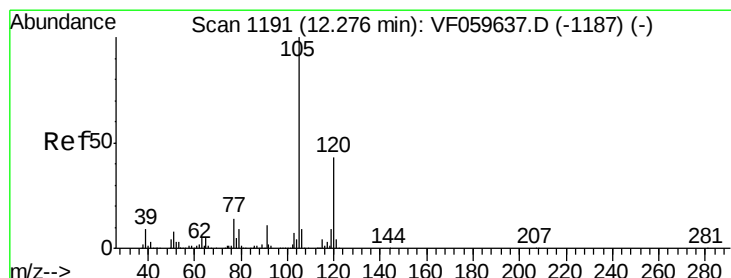
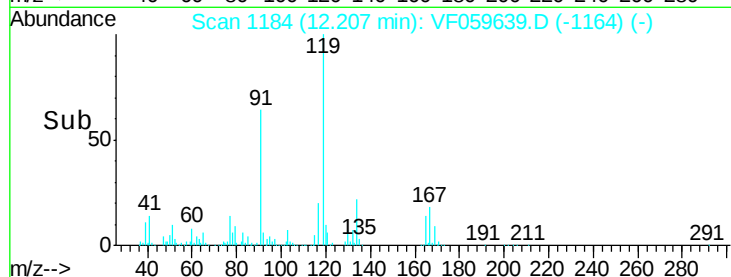
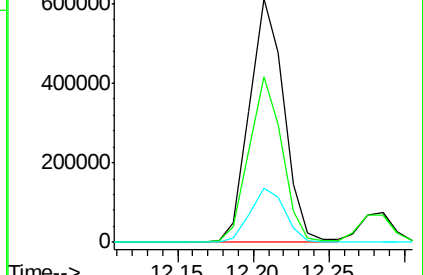
134 22.1 11.5 34.4



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: 87.475 ug/l

RT: 12.29 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF059639.D

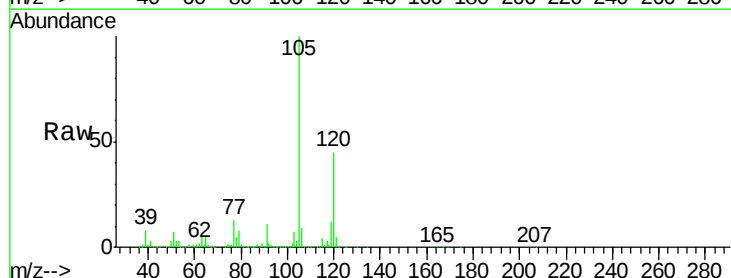
Acq: 24 Jul 2018 18:26

Tgt Ion:105 Resp: 973325

Ion Ratio Lower Upper

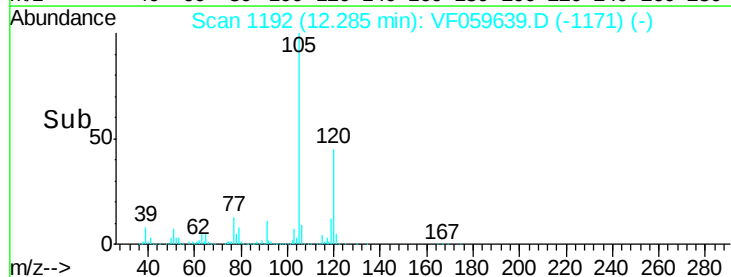
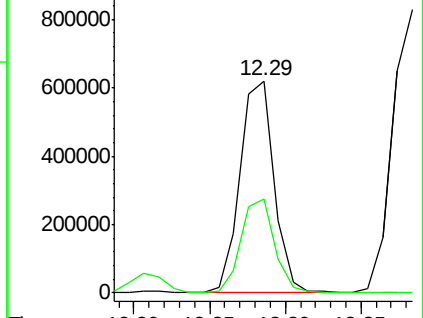
105 100

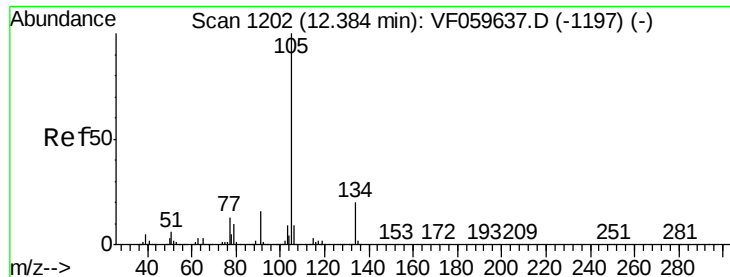
120 44.6 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

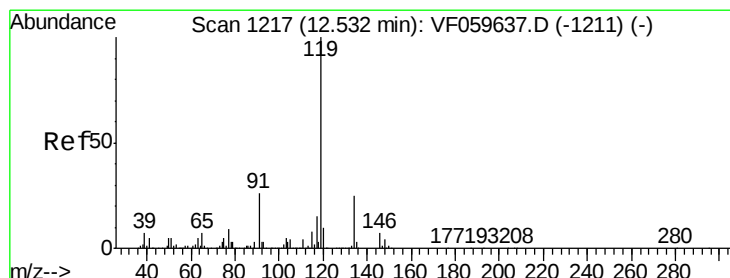
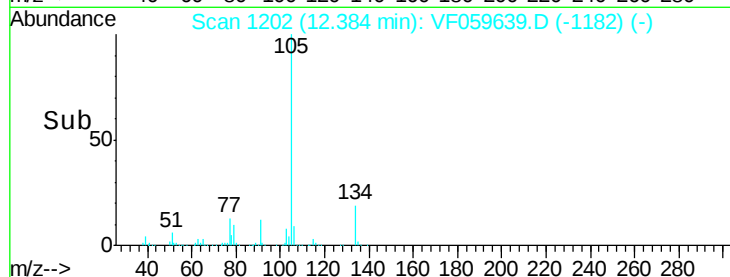
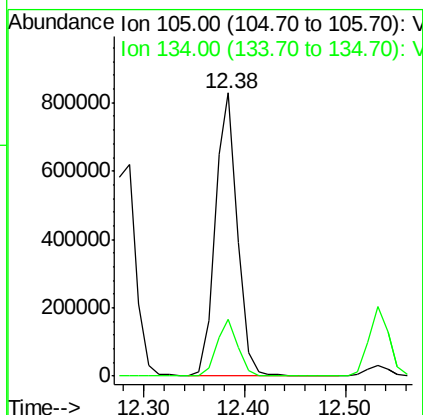
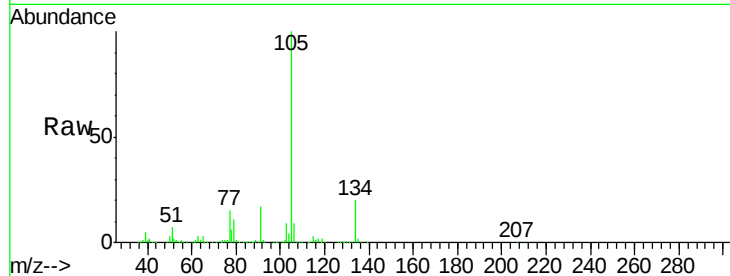




#85
 sec-Butylbenzene
 Concen: 89.278 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

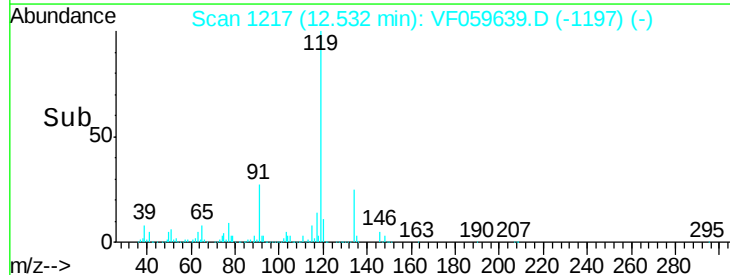
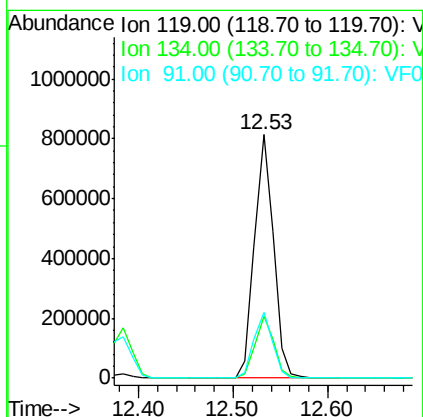
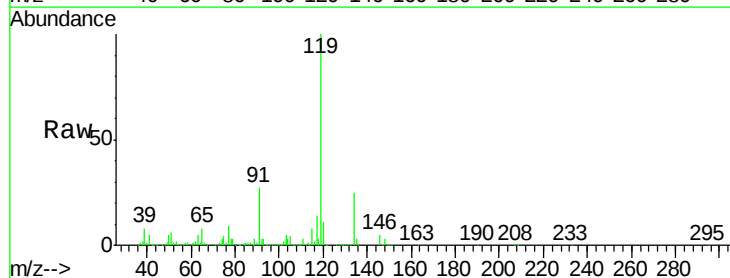
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

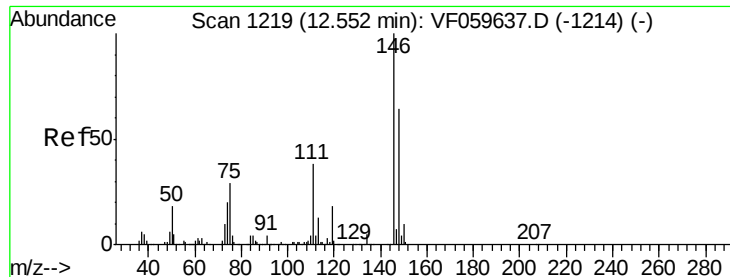
Tgt Ion:105 Resp: 1257591
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 91.997 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion:119 Resp: 1134380
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.4 37.0
 91 26.9 13.1 39.1

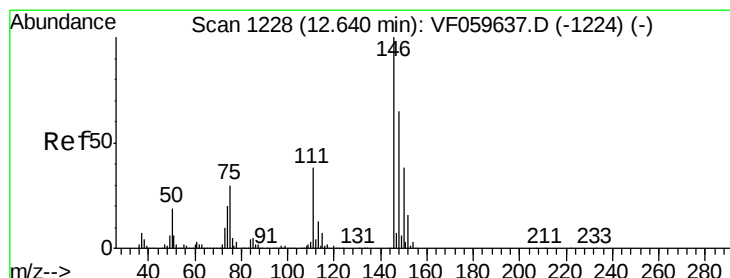
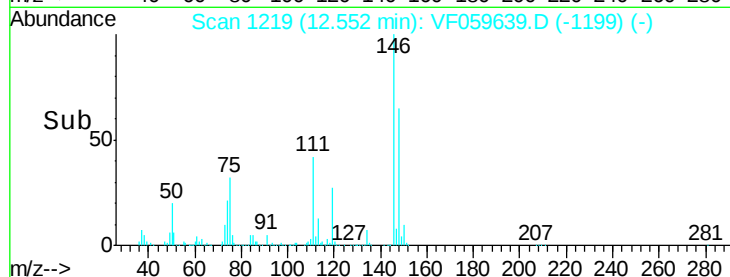
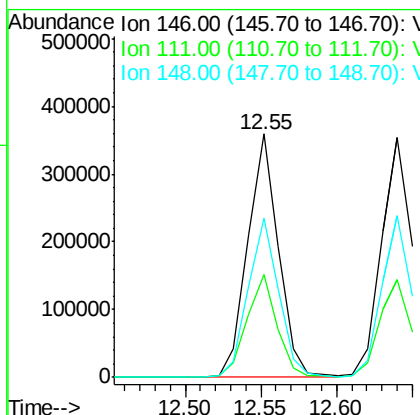
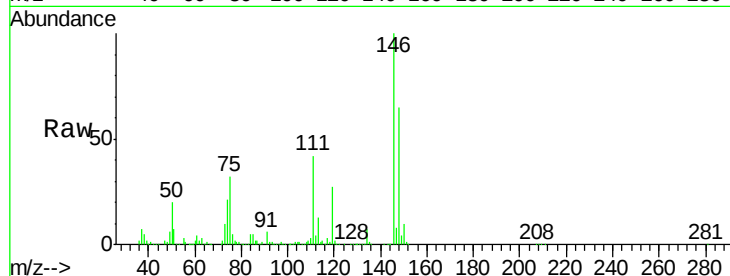




#87
 1,3-Dichlorobenzene
 Concen: 84.321 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

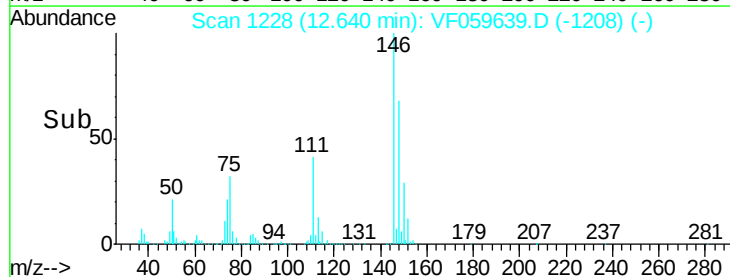
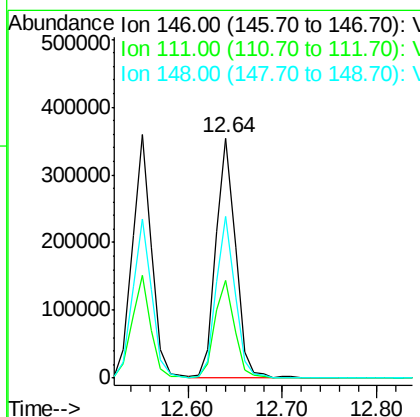
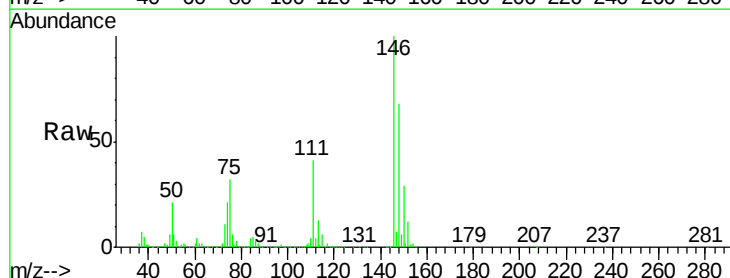
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

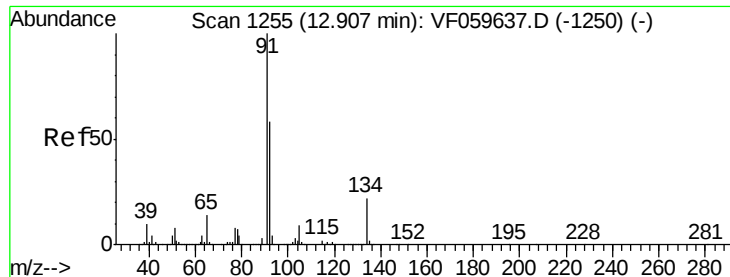
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.1	57.1
148	65.1	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 90.817 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.1
148	67.5	32.4	97.2





#89

n-Butylbenzene

Concen: 90.201 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

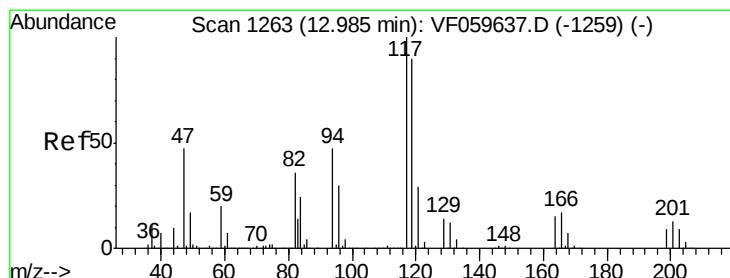
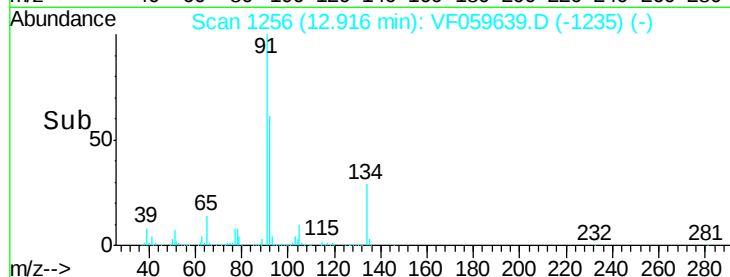
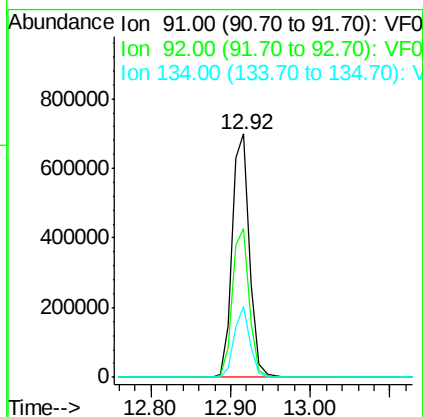
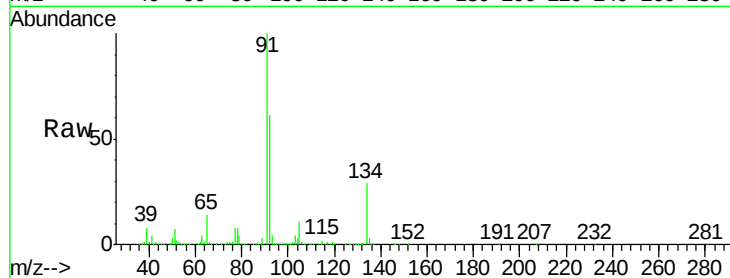
Tgt Ion: 91 Resp: 1068475

Ion Ratio Lower Upper

91 100

92 61.4 29.1 87.3

134 29.2 11.2 33.6



#90

Hexachloroethane

Concen: 89.427 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VF059639.D

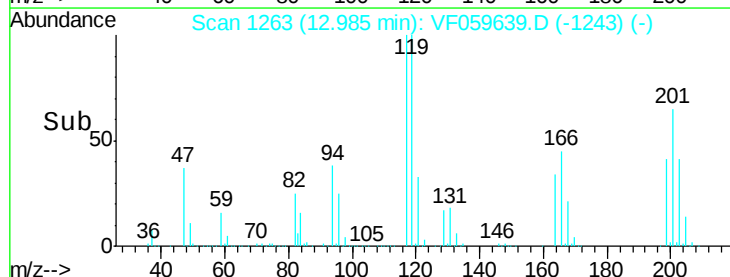
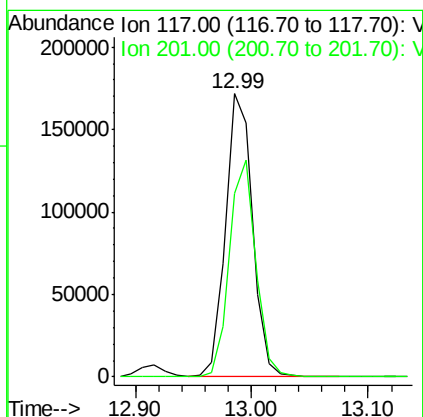
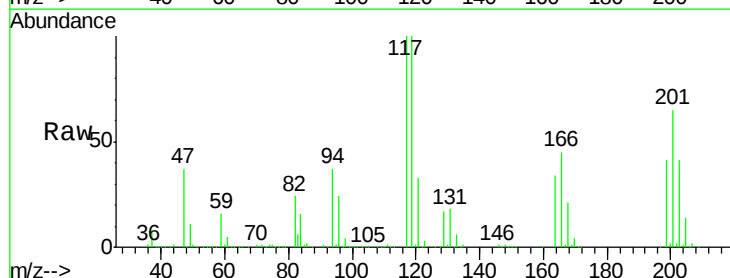
Acq: 24 Jul 2018 18:26

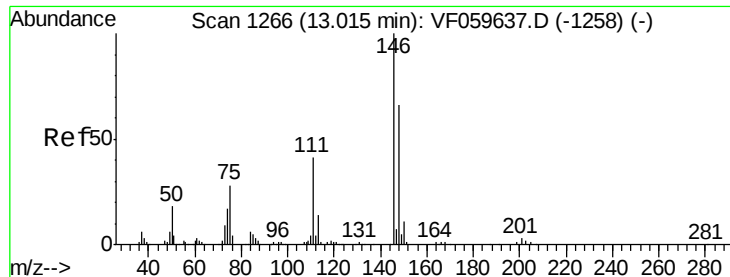
Tgt Ion: 117 Resp: 275282

Ion Ratio Lower Upper

117 100

201 64.6 6.6 19.7#

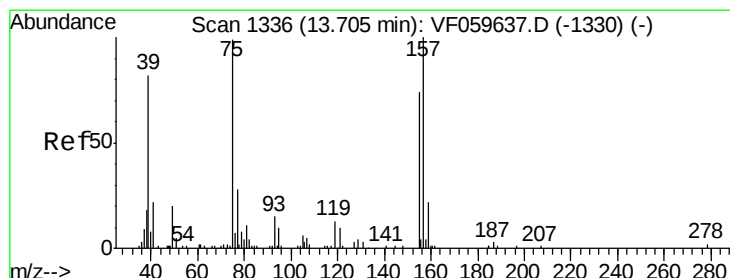
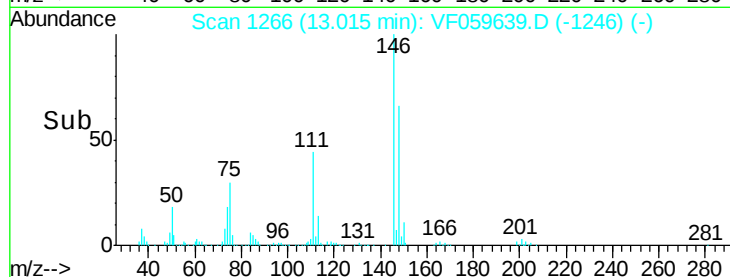
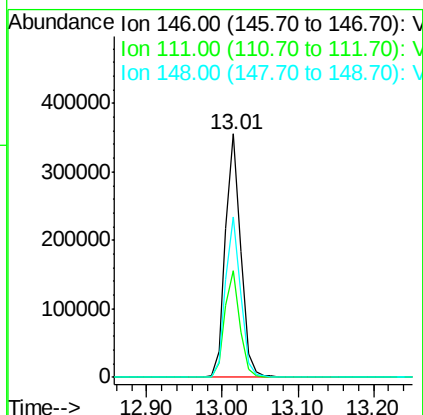
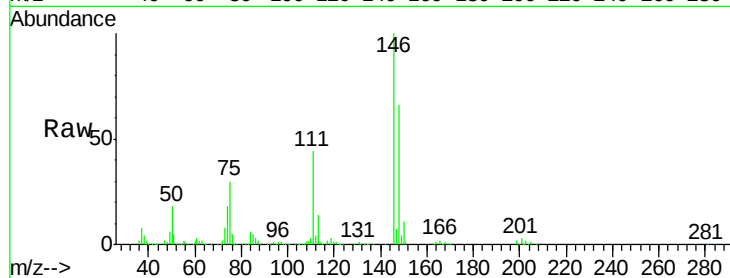




#91
 1,2-Dichlorobenzene
 Concen: 87.536 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

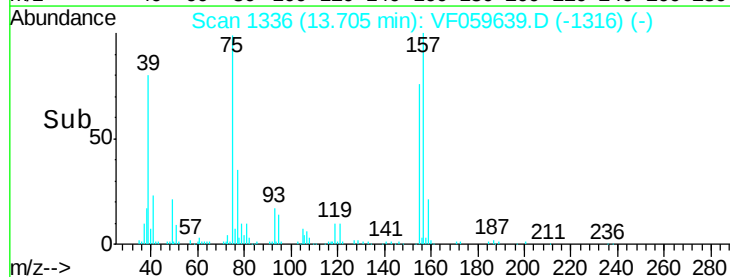
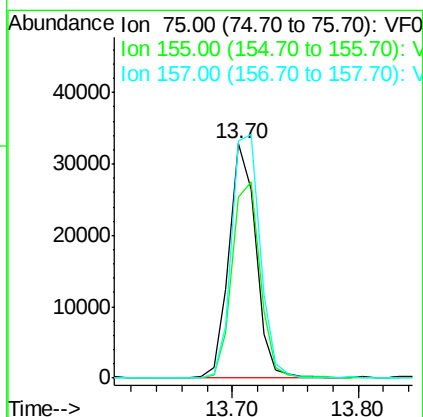
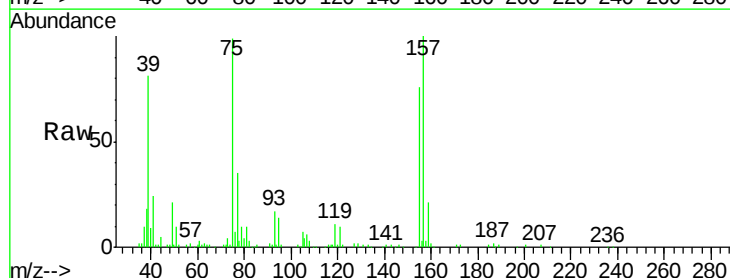
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

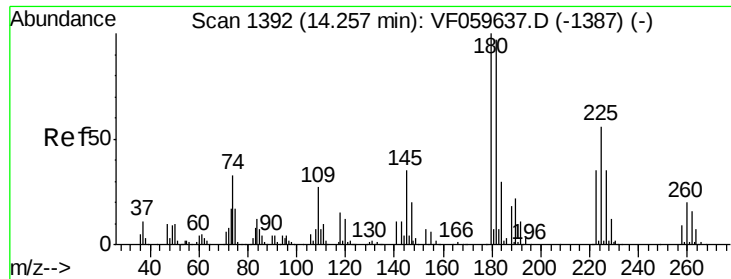
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.3	61.0
148	66.0	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.361 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	37.5	112.7
157	101.3	50.6	151.9

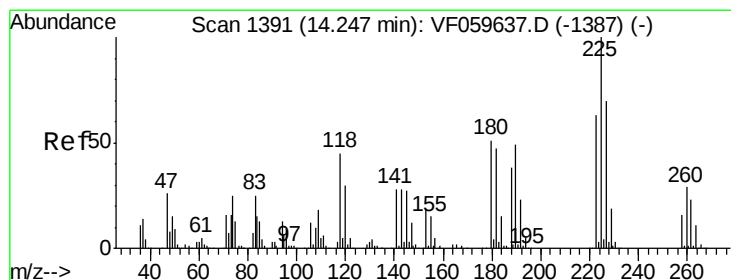
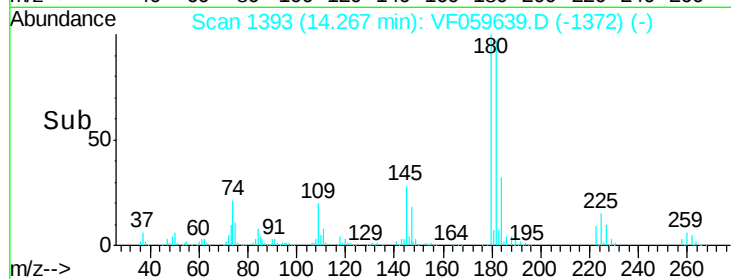
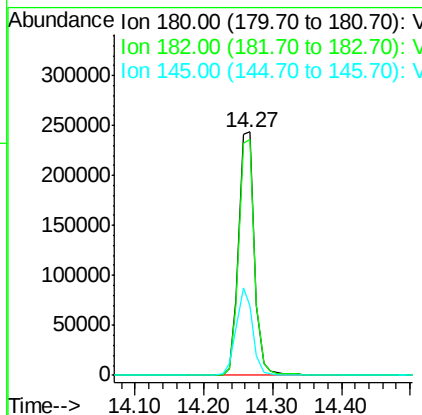
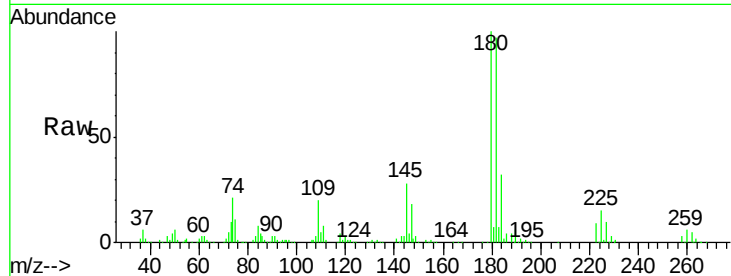




#93
 1,2,4-Trichlorobenzene
 Concen: 92.332 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

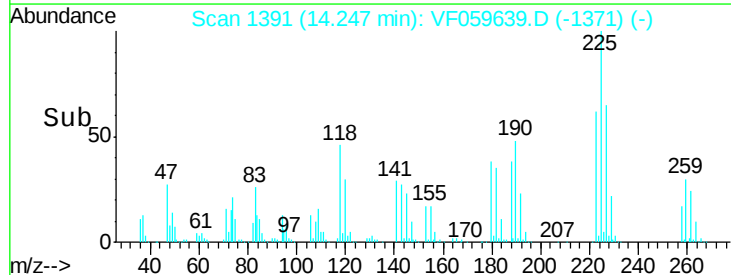
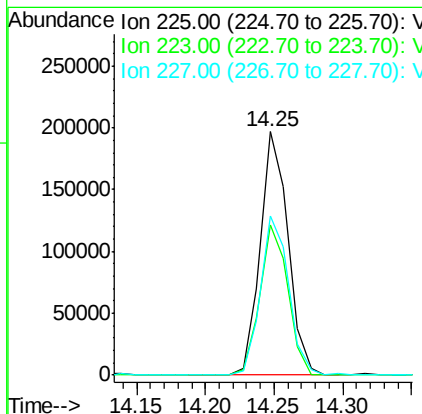
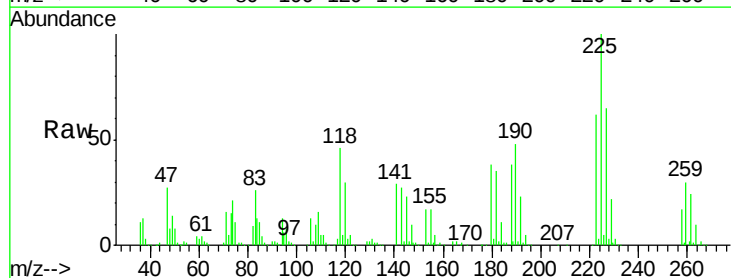
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

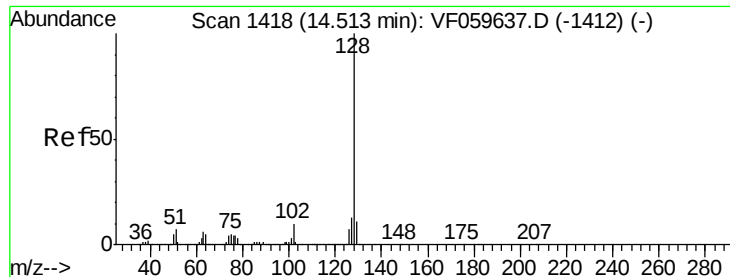
Tgt Ion:180 Resp: 393630
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.5 145.6
 145 28.3 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 93.192 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion:225 Resp: 277313
 Ion Ratio Lower Upper
 225 100
 223 61.8 33.3 99.8
 227 65.4 34.8 104.4

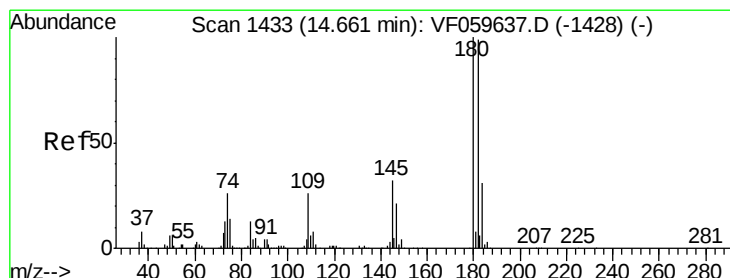
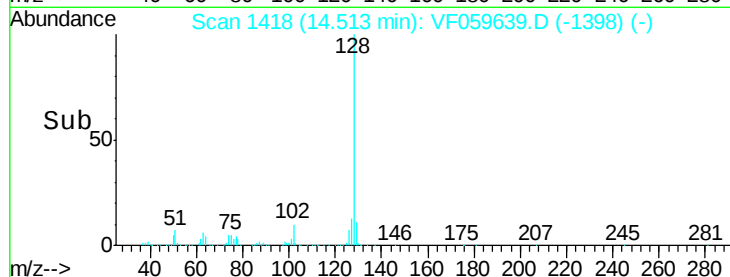
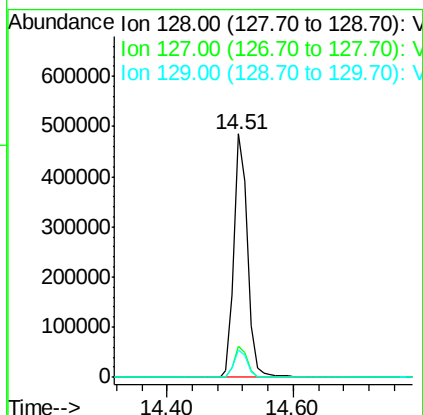
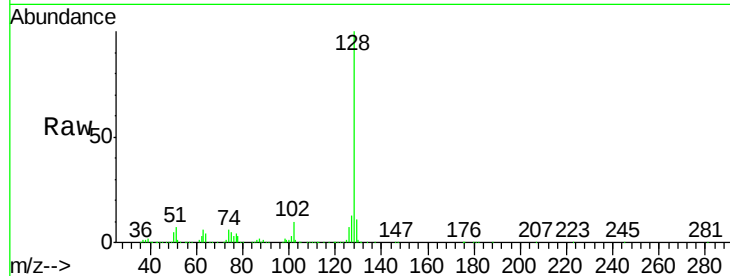




#95
Naphthalene
Concen: 104.131 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 715621
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 95.457 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion:180 Resp: 368963
Ion Ratio Lower Upper
180 100
182 99.8 49.5 148.5
145 34.2 16.0 48.0

