

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059638.D
 Acq On : 24 Jul 2018 17:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 25 01:00:12 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	237585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	335511	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	311127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	196717	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	242292	66.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.28%	
35) Dibromofluoromethane	4.28	113	207672	67.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.30%	
50) Toluene-d8	7.70	98	507224	66.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.02%	
62) 4-Bromofluorobenzene	11.50	95	278552	63.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	180523	61.757	ug/l	95
3) Chloromethane	1.08	50	92840	67.268	ug/l	93
4) Vinyl Chloride	1.15	62	101344	66.795	ug/l	94
5) Bromomethane	1.33	94	76670	59.250	ug/l	84
6) Chloroethane	1.42	64	60100	64.871	ug/l	97
7) Trichlorofluoromethane	1.53	101	146766	35.775	ug/l	93
8) Diethyl Ether	1.69	74	37513	64.642	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.88	101	141444	67.111	ug/l	93
10) Methyl Iodide	1.92	142	209111	60.245	ug/l	98
11) Tert butyl alcohol	2.68	59	39575	269.183	ug/l	93
12) 1,1-Dichloroethene	1.84	96	105100	63.858	ug/l #	96
13) Acrolein	2.08	56	23165	320.968	ug/l	100
14) Allyl chloride	2.18	41	177096	59.468	ug/l	98
15) Acrylonitrile	3.06	53	65246	287.366	ug/l	99
16) Acetone	2.32	43	155673	252.905	ug/l	96
17) Carbon Disulfide	1.83	76	256004	59.841	ug/l	99
18) Methyl Acetate	2.44	43	57990	55.530	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	283114	59.404	ug/l	98
20) Methylene Chloride	2.27	84	92214	49.524	ug/l	93
21) trans-1,2-Dichloroethene	2.40	96	103309	60.497	ug/l	97
22) Diisopropyl ether	2.92	45	349487	64.185	ug/l	99
23) Vinyl Acetate	3.32	43	807662	297.645	ug/l	97
24) 1,1-Dichloroethane	2.98	63	244766	62.405	ug/l	98
25) 2-Butanone	4.50	43	197581	307.479	ug/l	98
26) 2,2-Dichloropropane	3.74	77	191116	58.529	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	128478	65.562	ug/l	98
28) Bromochloromethane	3.87	49	90234	62.600	ug/l	95
29) Tetrahydrofuran	4.24	42	76609	292.622	ug/l	97
30) Chloroform	4.02	83	340239	62.843	ug/l	99
31) Cyclohexane	3.84	56	140777	64.026	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	283504	58.538	ug/l	99
36) 1,1-Dichloropropene	4.44	75	217997	64.611	ug/l	99
37) Ethyl Acetate	4.28	43	85999	64.773	ug/l #	64
38) Carbon Tetrachloride	4.16	117	306587	60.033	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	163778	60.181	ug/l	87
40) Benzene	4.79	78	389272	63.111	ug/l	99
41) Methacrylonitrile	4.91	41	41218	62.851	ug/l	93
42) 1,2-Dichloroethane	5.10	62	240676	58.977	ug/l	95
43) Isopropyl Acetate	7.10	43	100677	60.892	ug/l #	98
44) Trichloroethene	5.66	130	148036	62.900	ug/l	89
45) 1,2-Dichloropropane	6.39	63	102756	62.304	ug/l	96
46) Dibromomethane	6.24	93	85767	63.970	ug/l	96
47) Bromodichloromethane	6.53	83	251493	61.255	ug/l	95
48) Methyl methacrylate	6.86	41	76080	60.436	ug/l	98
49) 1,4-Dioxane	6.85	88	12199	1378.551	ug/l #	80
51) 4-Methyl-2-Pentanone	8.40	43	374390	302.690	ug/l	100
52) Toluene	7.77	92	271611	58.223	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	206007	59.949	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	214723	62.725	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	92476	59.759	ug/l	92
56) Ethyl methacrylate	8.75	69	110510	64.418	ug/l	94
57) 1,3-Dichloropropane	8.99	76	165223	61.099	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	61931	304.143	ug/l	100
59) 2-Hexanone	9.62	43	296623	301.863	ug/l	100
60) Dibromochloromethane	8.85	129	175272	63.075	ug/l	97
61) 1,2-Dibromoethane	9.13	107	113384	63.660	ug/l	96
64) Tetrachloroethene	8.29	164	154444	66.298	ug/l	95
65) Chlorobenzene	9.92	112	371025	65.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	166844	64.558	ug/l	98
67) Ethyl Benzene	10.03	91	671097	65.325	ug/l	100
68) m/p-Xylenes	10.26	106	462853	129.862	ug/l	100
69) o-Xylene	10.82	106	256937	66.848	ug/l	99
70) Styrene	10.89	104	370226	64.659	ug/l	99
71) Bromoform	10.88	173	100448	63.315	ug/l	94
73) Isopropylbenzene	11.22	105	808652	64.842	ug/l	98
74) N-amyl acetate	11.45	43	194704	71.077	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	130193	63.153	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	108589	60.142	ug/l	100
77) Bromobenzene	11.59	156	193469	60.822	ug/l	94
78) n-propylbenzene	11.68	91	895382	60.185	ug/l	100
79) 2-Chlorotoluene	11.81	91	559419	62.531	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	708378	63.293	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	62960	84.235	ug/l	98
82) 4-Chlorotoluene	11.98	91	600158	60.533	ug/l	98
83) tert-Butylbenzene	12.21	119	716764	64.842	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	718065	63.342	ug/l	97
85) sec-Butylbenzene	12.38	105	938869	65.421	ug/l	99
86) p-Isopropyltoluene	12.54	119	817004	65.034	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	375392	60.764	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	376050	65.295	ug/l	96
89) n-Butylbenzene	12.91	91	796755	66.020	ug/l	97
90) Hexachloroethane	12.99	117	198120	63.172	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	366064	62.979	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	34011	67.813	ug/l	91

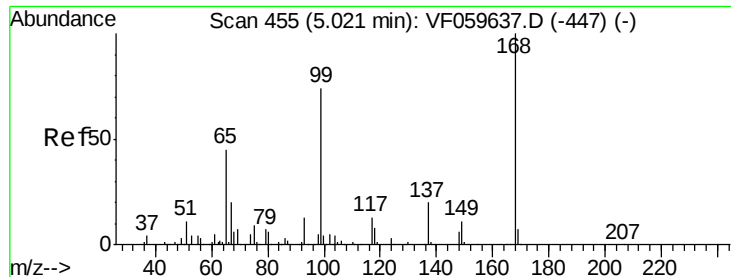
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	298212	68.659	ug/l	98
94) Hexachlorobutadiene	14.25	225	209997	69.267	ug/l	93
95) Naphthalene	14.52	128	517410	73.899	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	277124	70.373	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

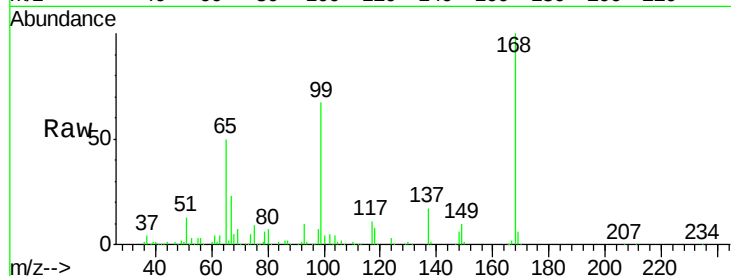
VSTDIC075

Tgt Ion:168 Resp: 237585

Ion Ratio Lower Upper

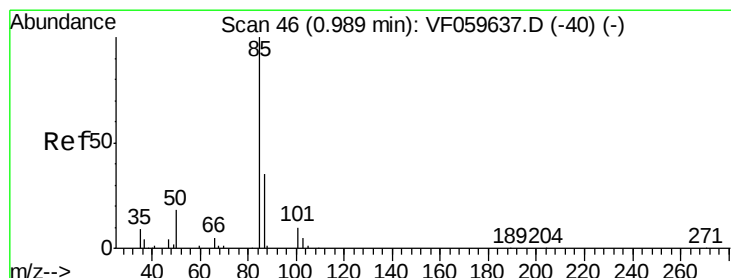
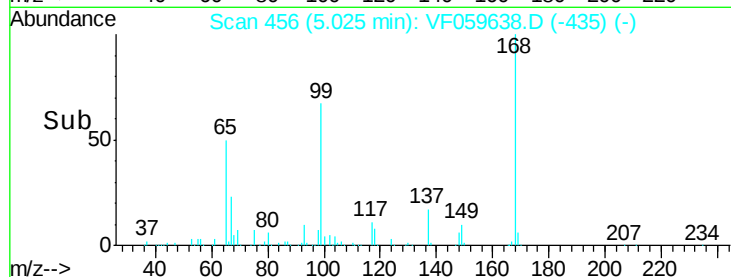
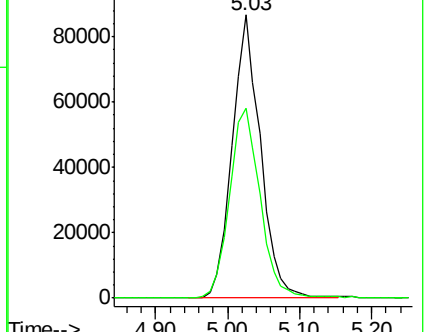
168 100

99 67.3 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 61.757 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059638.D

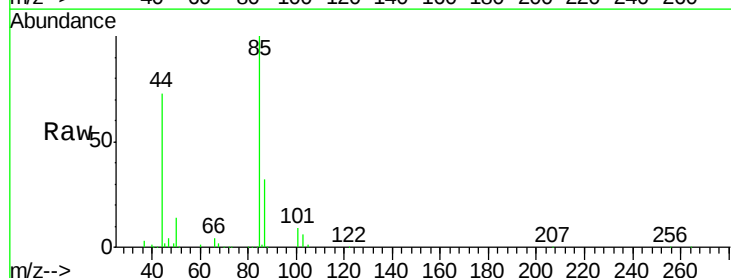
Acq: 24 Jul 2018 17:58

Tgt Ion: 85 Resp: 180523

Ion Ratio Lower Upper

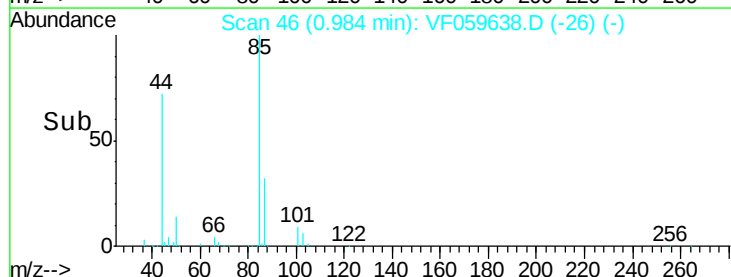
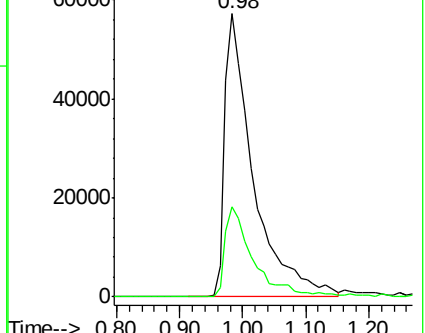
85 100

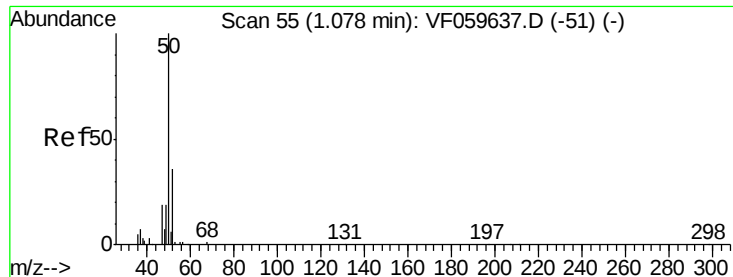
87 31.9 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 67.268 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

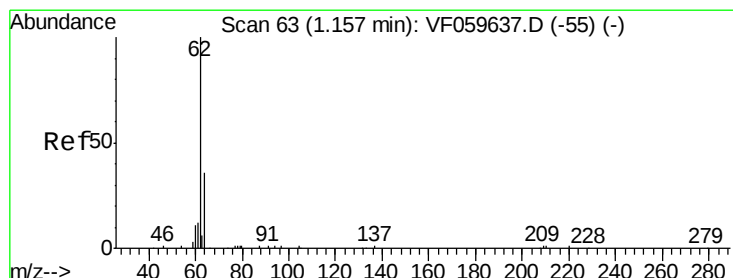
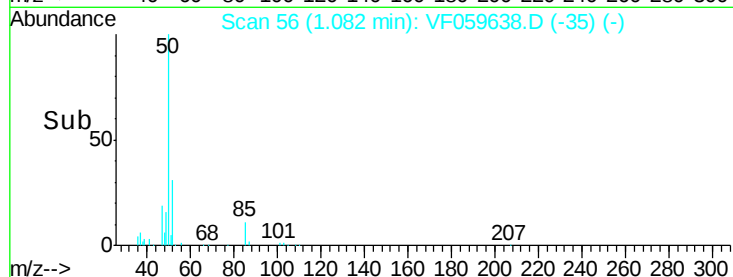
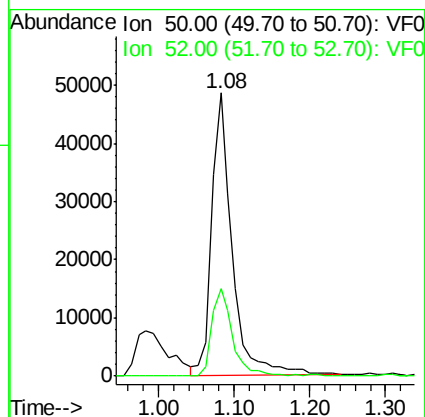
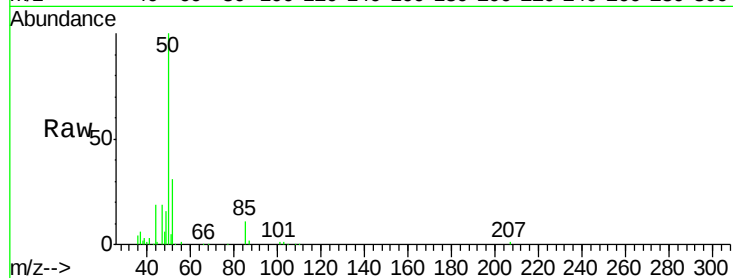
VSTDIC075

Tgt Ion: 50 Resp: 92840

Ion Ratio Lower Upper

50 100

52 30.8 28.0 42.0



#4

Vinyl Chloride

Concen: 66.795 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059638.D

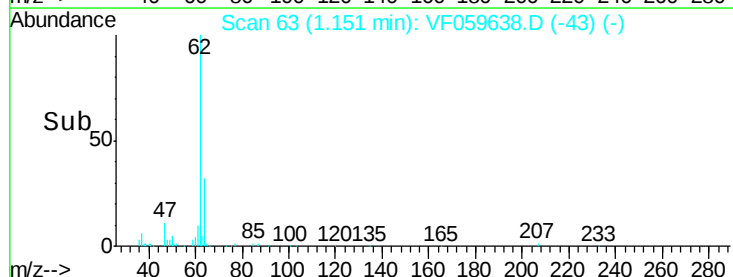
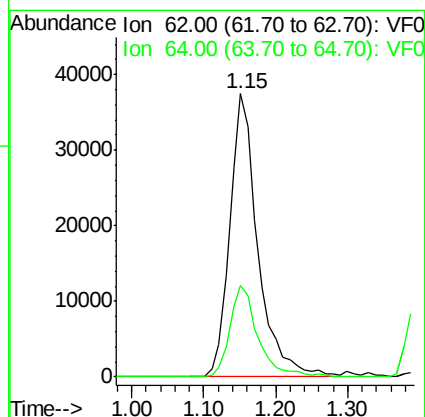
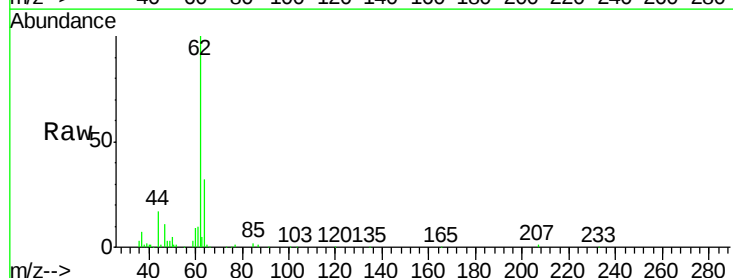
Acq: 24 Jul 2018 17:58

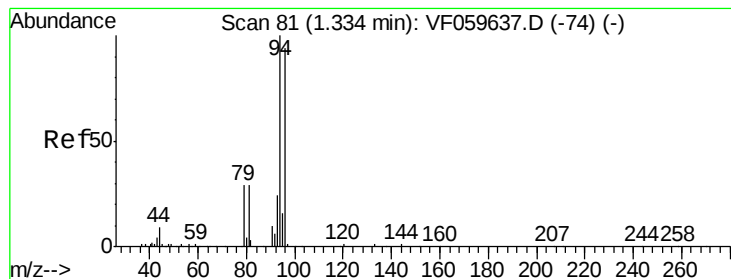
Tgt Ion: 62 Resp: 101344

Ion Ratio Lower Upper

62 100

64 32.1 28.6 43.0





#5

Bromomethane

Concen: 59.250 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

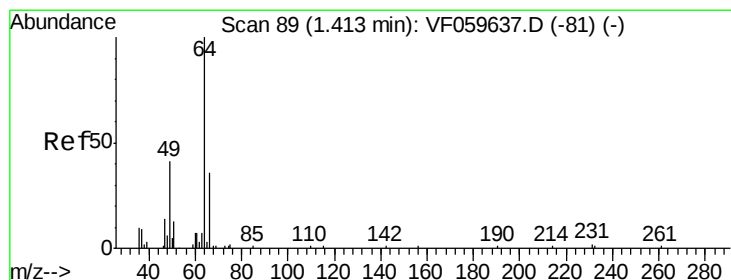
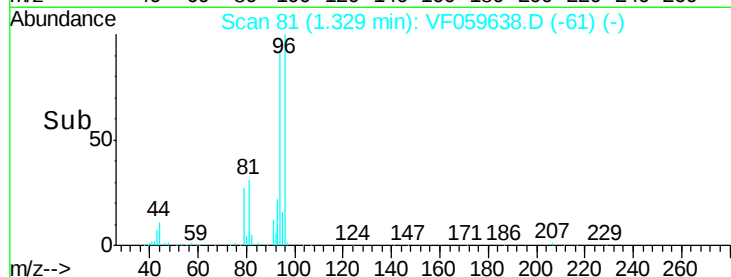
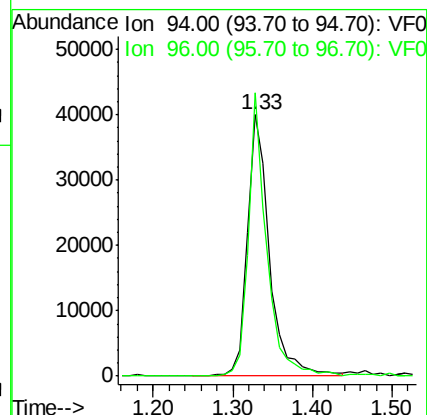
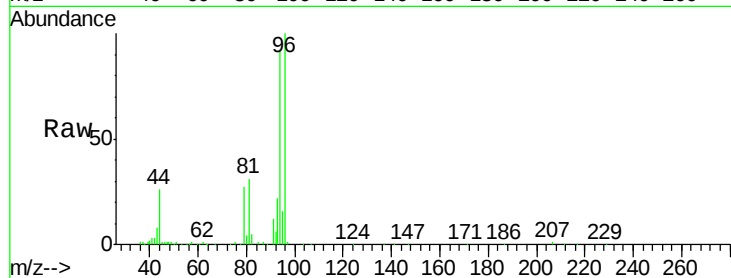
VSTDIC075

Tgt Ion: 94 Resp: 76670

Ion Ratio Lower Upper

94 100

96 108.4 74.6 112.0



#6

Chloroethane

Concen: 64.871 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059638.D

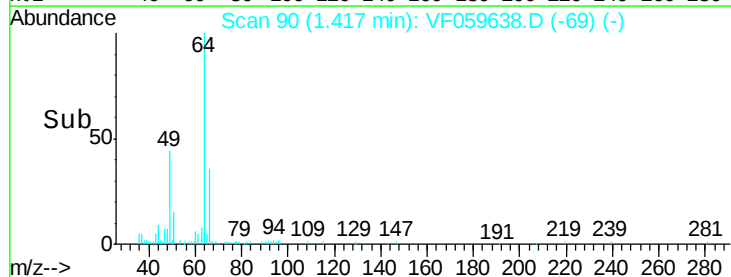
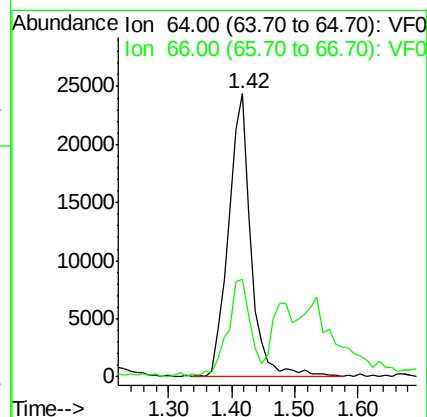
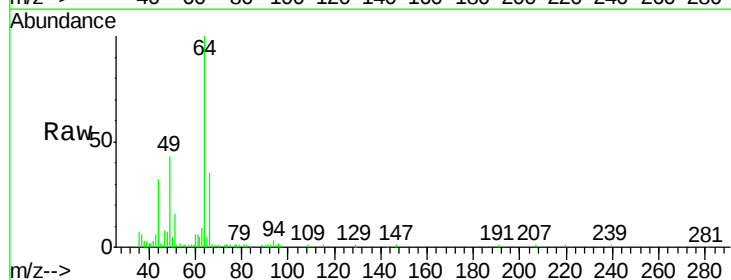
Acq: 24 Jul 2018 17:58

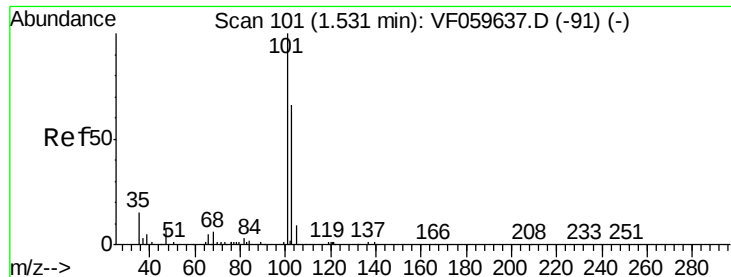
Tgt Ion: 64 Resp: 60100

Ion Ratio Lower Upper

64 100

66 34.8 29.0 43.6



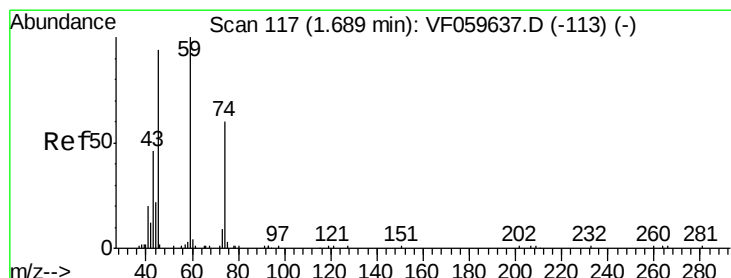
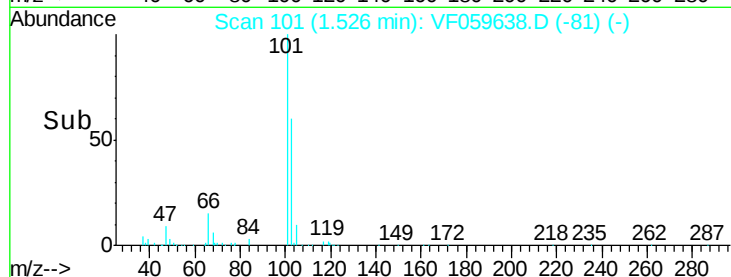
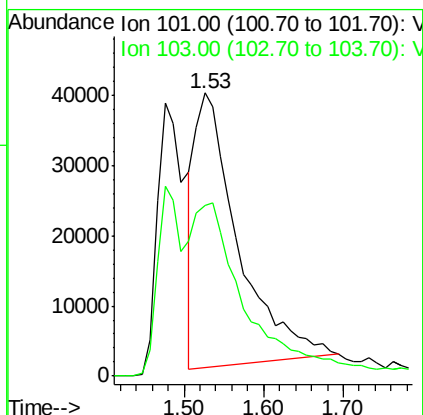
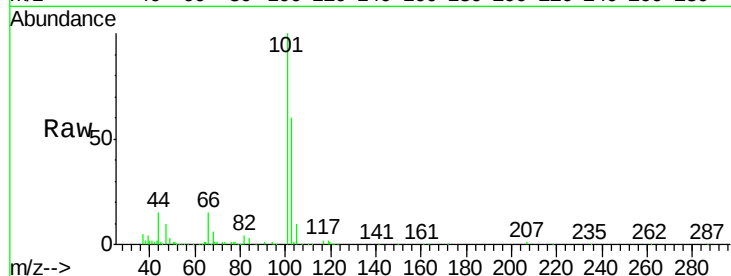


#7

Trichlorofluoromethane
Concen: 35.775 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

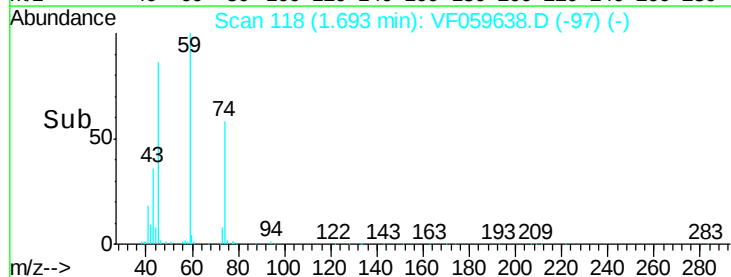
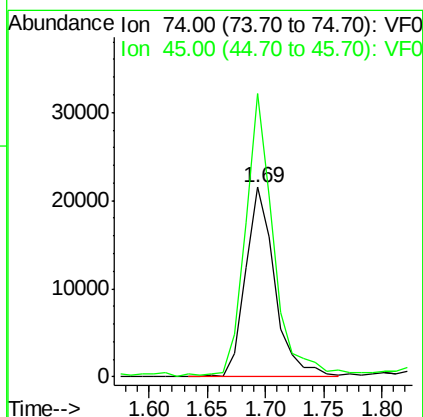
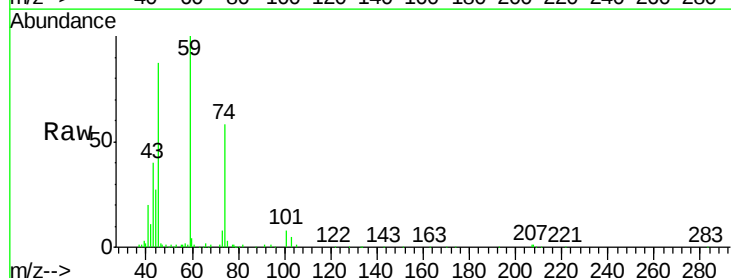
Tgt Ion:101 Resp: 146766
Ion Ratio Lower Upper
101 100
103 60.2 52.5 78.7

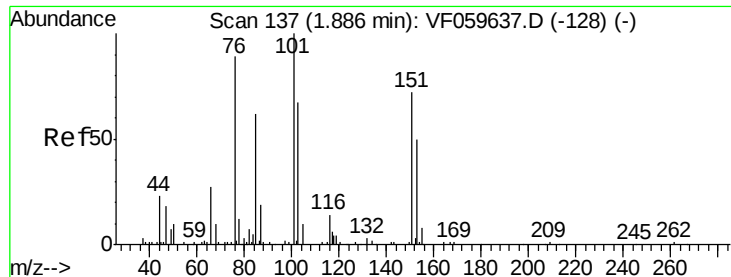


#8

Diethyl Ether
Concen: 64.642 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 74 Resp: 37513
Ion Ratio Lower Upper
74 100
45 149.3 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 67.111 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

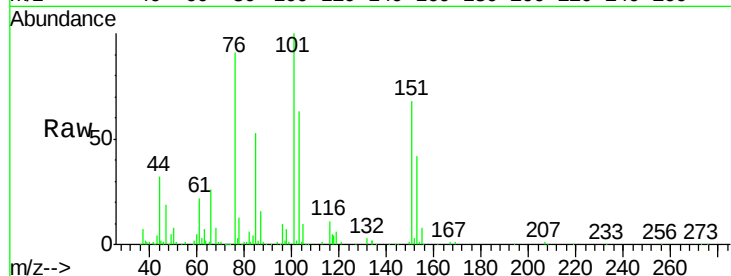
Tgt Ion:101 Resp: 141444

Ion Ratio Lower Upper

101 100

85 53.1 49.0 73.4

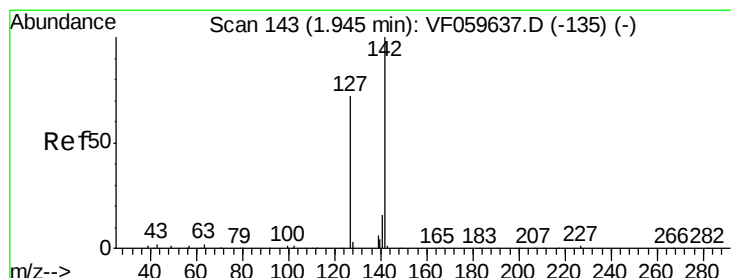
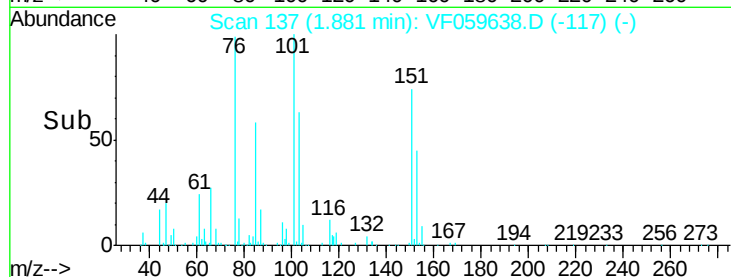
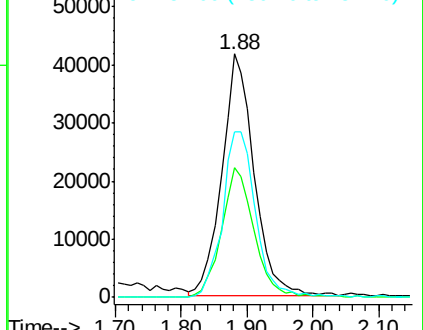
151 68.2 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 60.245 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.03 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

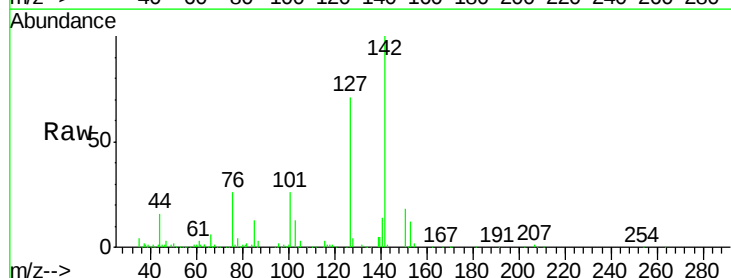
Tgt Ion:142 Resp: 209111

Ion Ratio Lower Upper

142 100

127 71.2 57.5 86.3

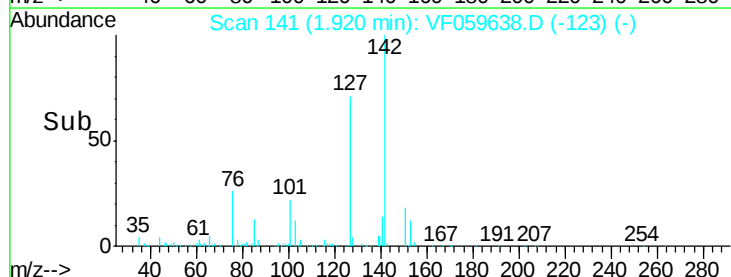
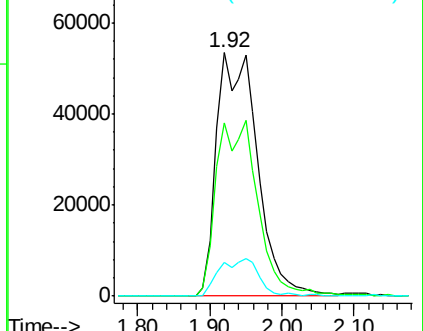
141 13.7 13.2 19.8

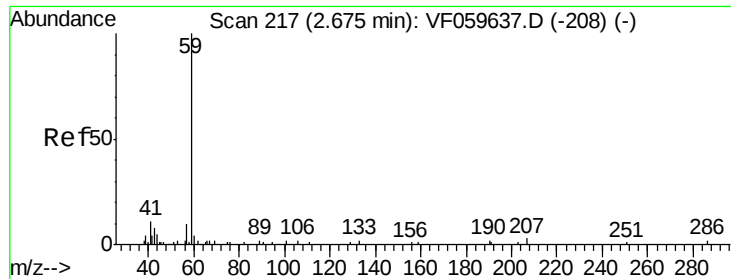


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



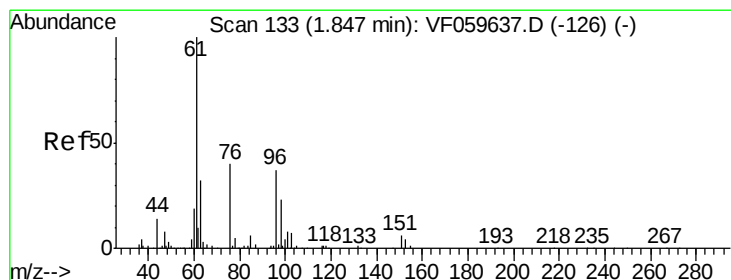
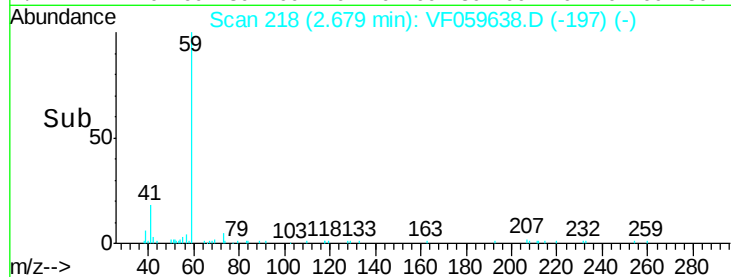
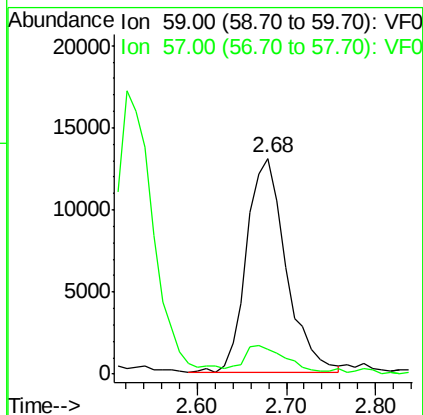
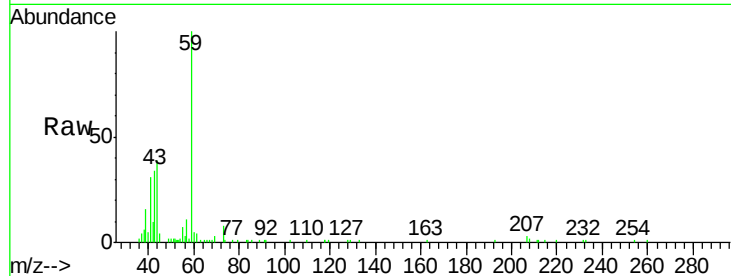


#11

Tert butyl alcohol
 Concen: 269.183 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

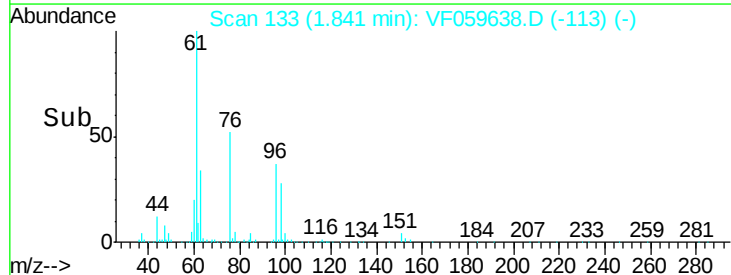
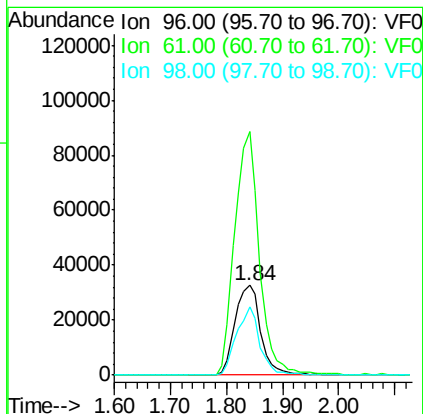
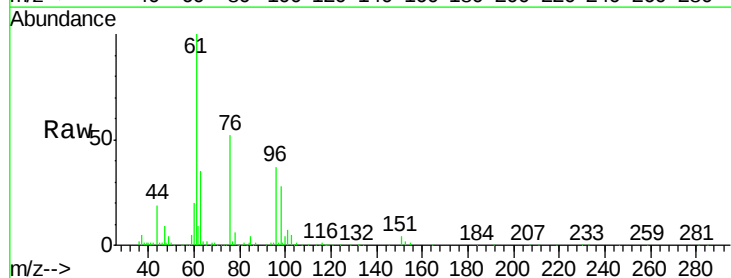
Tgt Ion: 59 Resp: 39575
 Ion Ratio Lower Upper
 59 100
 57 11.5 11.4 17.2

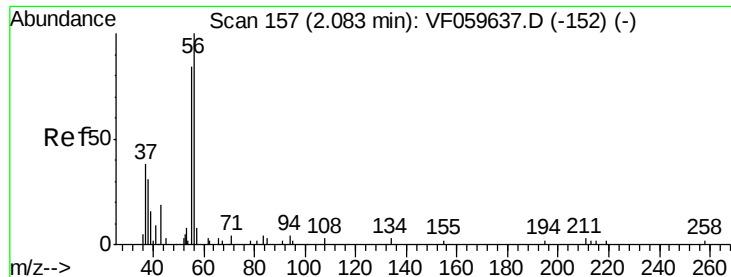


#12

1,1-Dichloroethene
 Concen: 63.858 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion: 96 Resp: 105100
 Ion Ratio Lower Upper
 96 100
 61 270.9 218.2 327.4
 98 76.0 50.6 76.0#





#13

Acrolein

Concen: 320.968 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

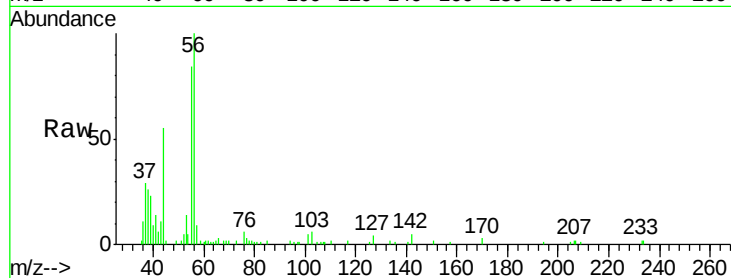
VSTDIC075

Tgt Ion: 56 Resp: 23165

Ion Ratio Lower Upper

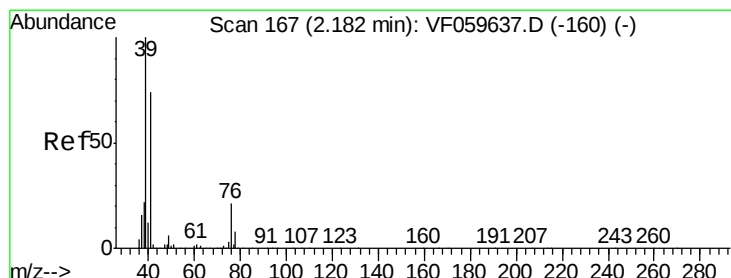
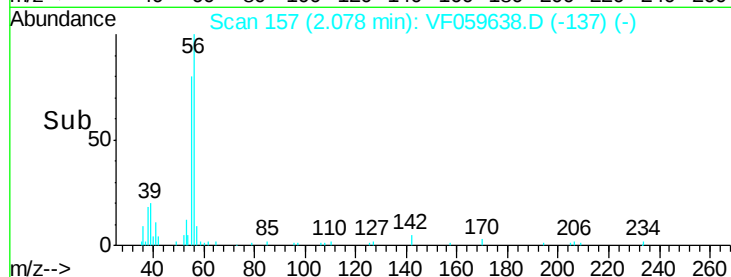
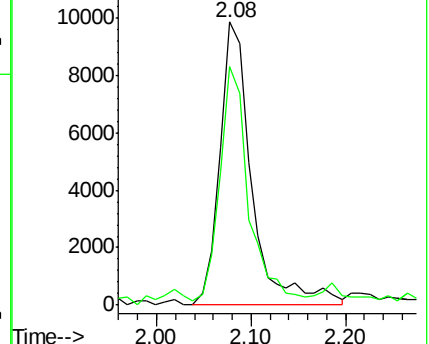
56 100

55 84.4 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 59.468 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

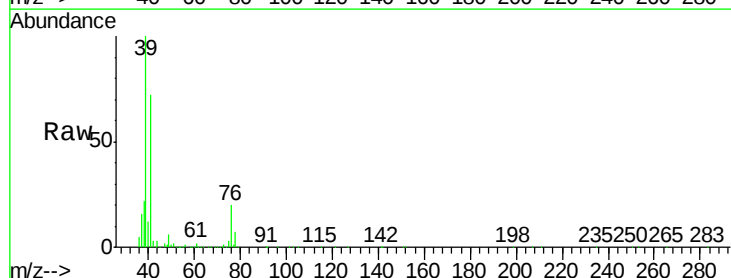
Tgt Ion: 41 Resp: 177096

Ion Ratio Lower Upper

41 100

39 138.2 108.6 162.8

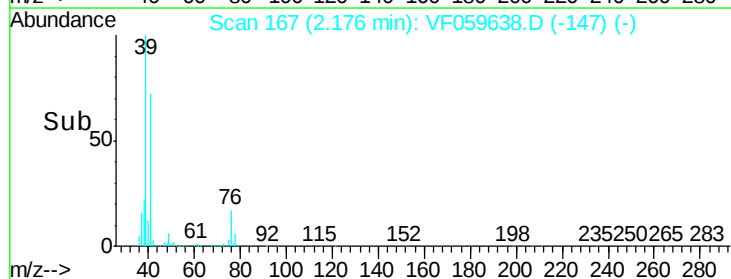
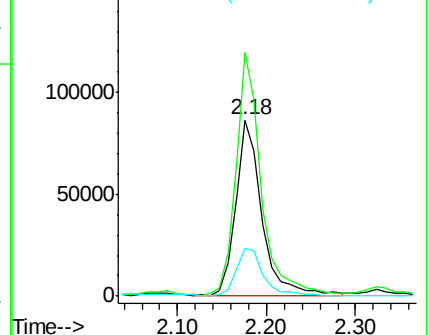
76 27.2 23.0 34.6

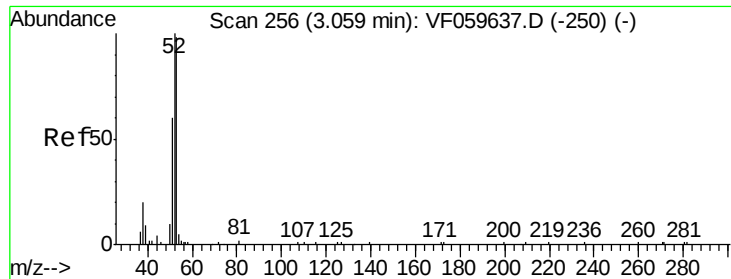


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 287.366 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

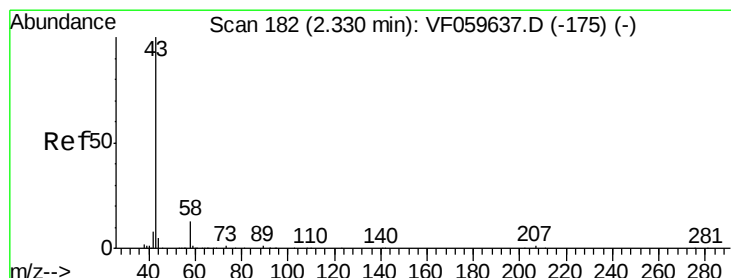
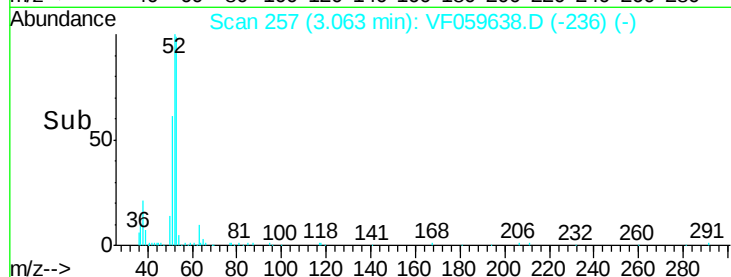
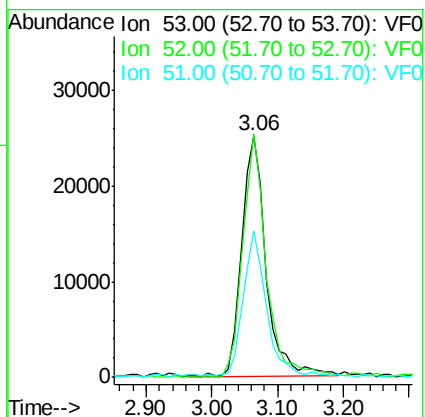
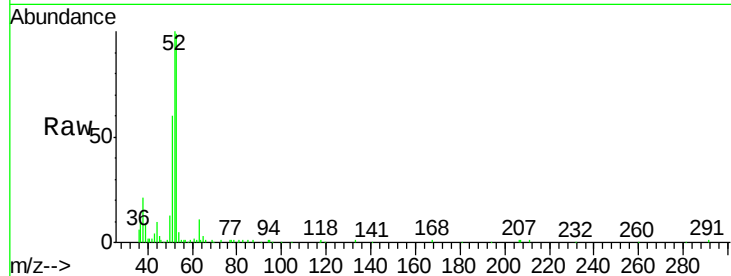
Tgt Ion: 53 Resp: 65246

Ion Ratio Lower Upper

53 100

52 100.8 80.9 121.3

51 60.5 49.4 74.2



#16

Acetone

Concen: 252.905 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059638.D

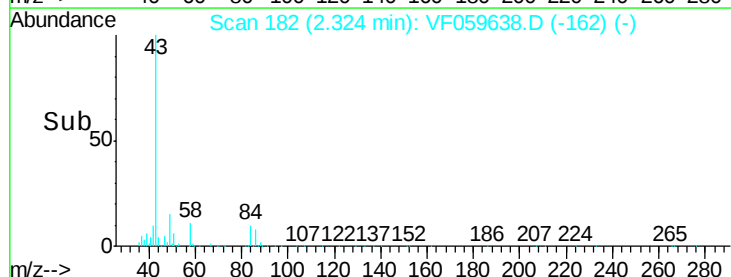
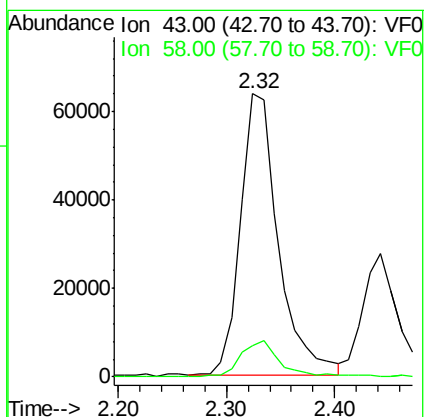
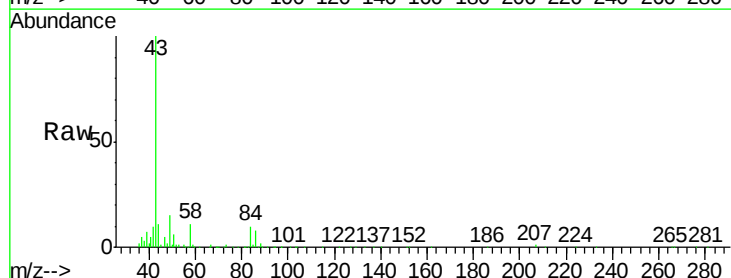
Acq: 24 Jul 2018 17:58

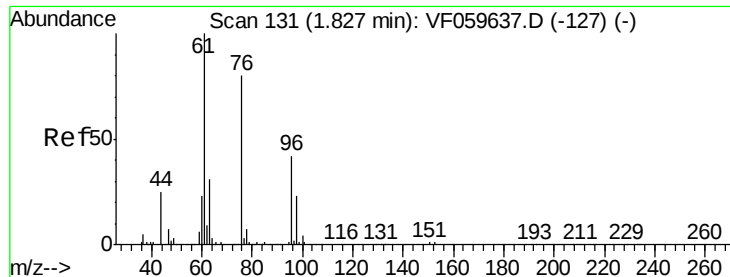
Tgt Ion: 43 Resp: 155673

Ion Ratio Lower Upper

43 100

58 11.2 10.2 15.2





#17

Carbon Disulfide

Concen: 59.841 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

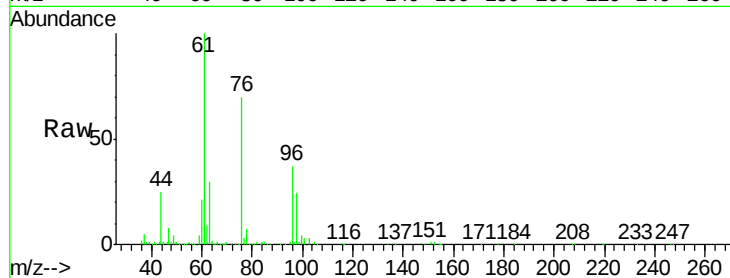
VSTDIC075

Tgt Ion: 76 Resp: 256004

Ion Ratio Lower Upper

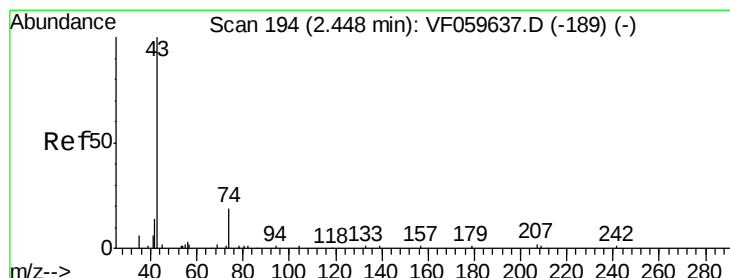
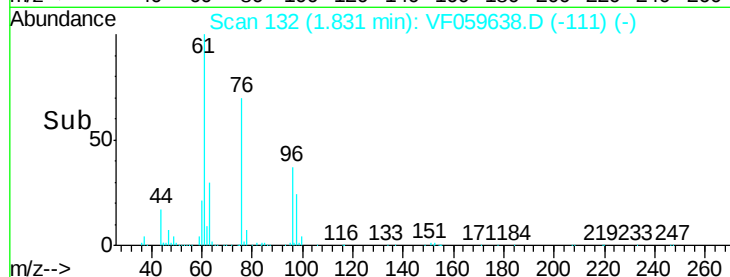
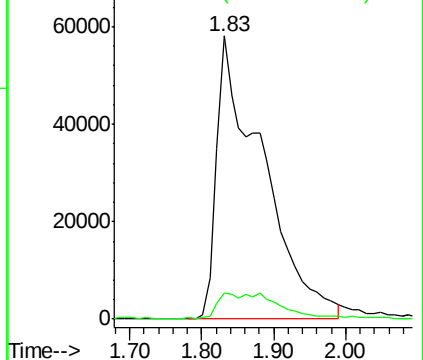
76 100

78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 55.530 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059638.D

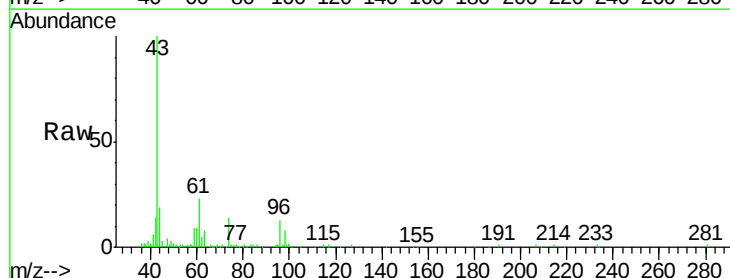
Acq: 24 Jul 2018 17:58

Tgt Ion: 43 Resp: 57990

Ion Ratio Lower Upper

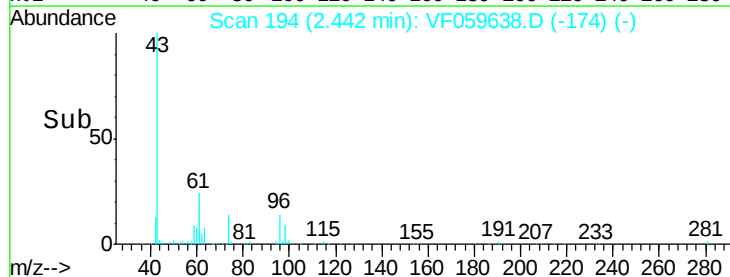
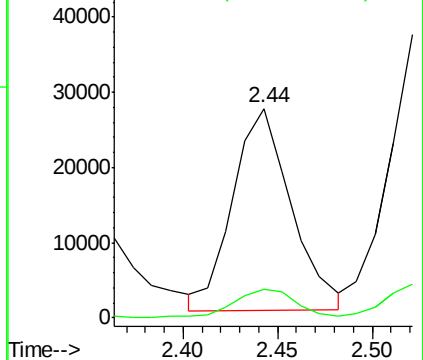
43 100

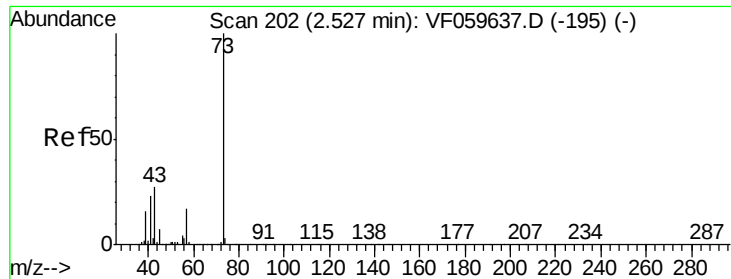
74 13.9 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



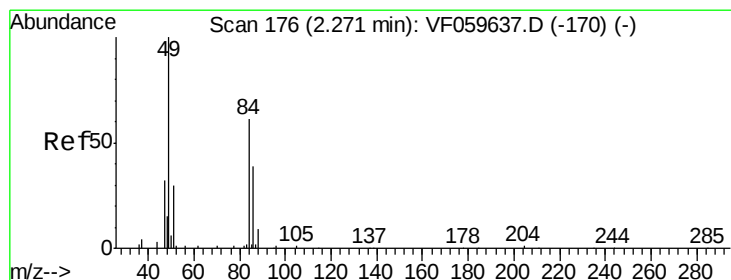
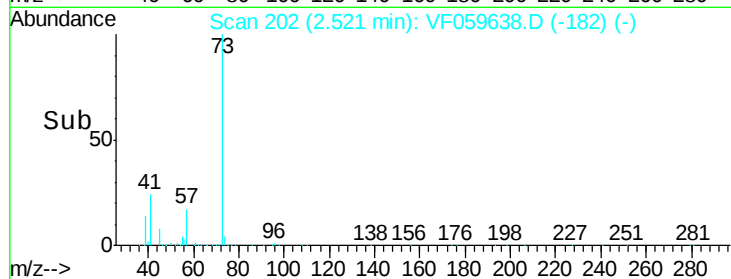
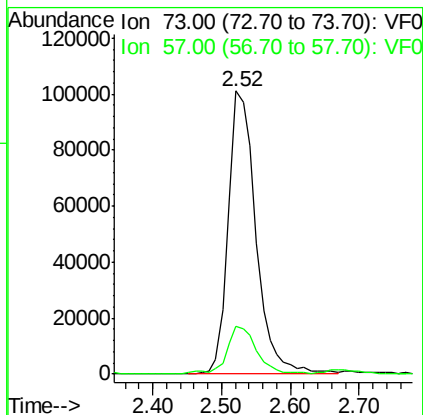
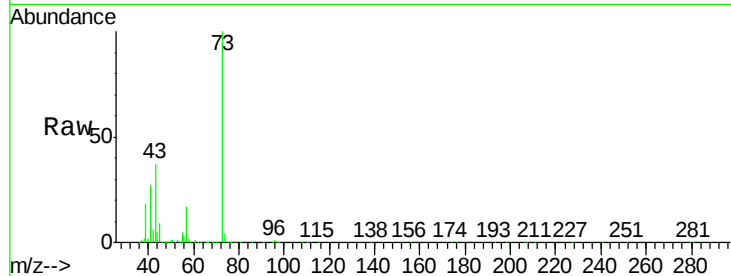


#19

Methyl tert-butyl Ether
 Concen: 59.404 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

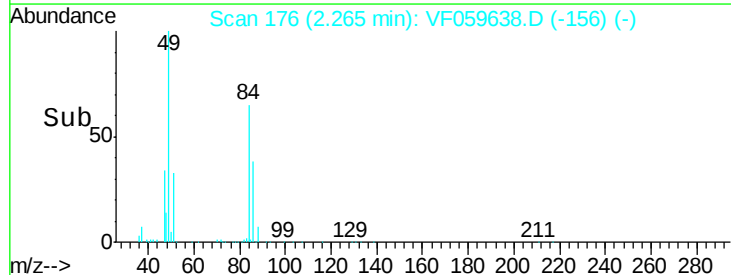
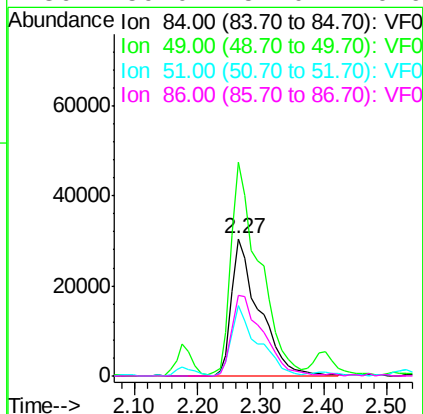
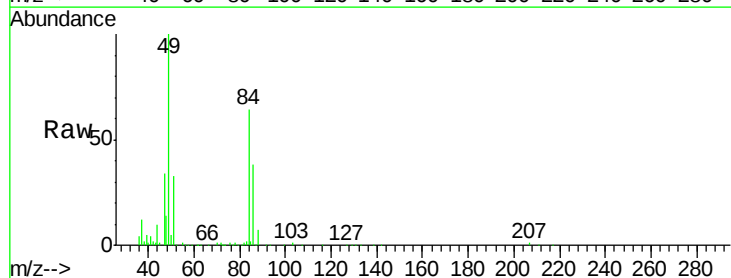
Tgt Ion: 73 Resp: 283114
 Ion Ratio Lower Upper
 73 100
 57 17.1 14.2 21.4

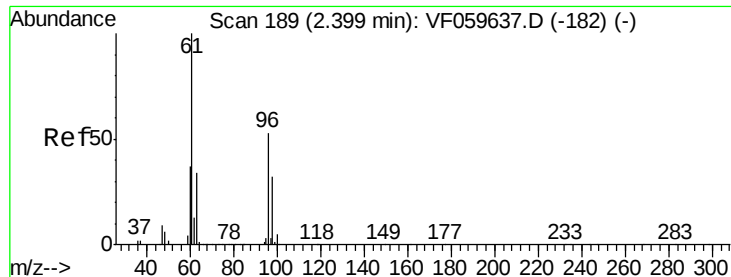


#20

Methylene Chloride
 Concen: 49.524 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion: 84 Resp: 92214
 Ion Ratio Lower Upper
 84 100
 49 155.4 133.8 200.8
 51 51.4 41.1 61.7
 86 59.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 60.497 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

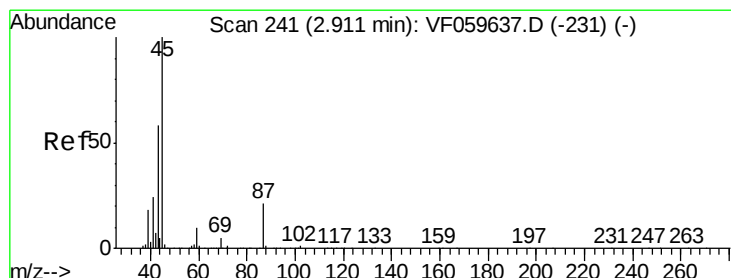
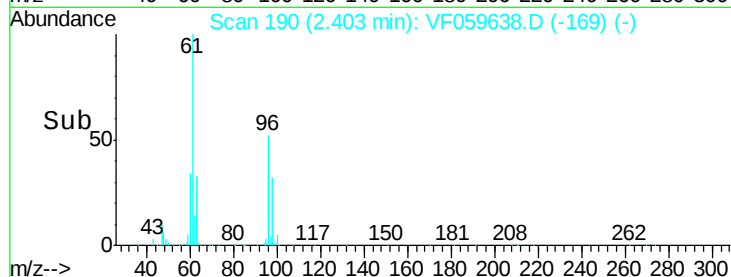
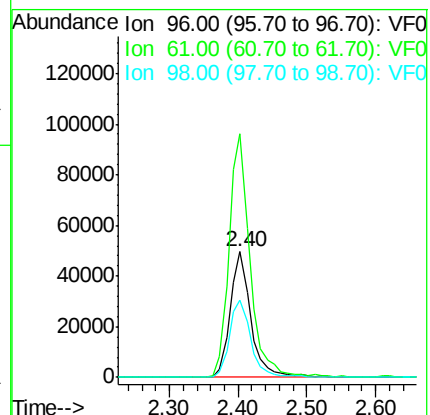
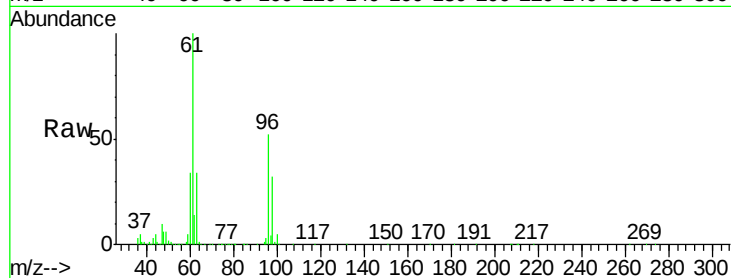
Tgt Ion: 96 Resp: 103309

Ion Ratio Lower Upper

96 100

61 194.1 151.4 227.2

98 61.9 49.0 73.6



#22

Diisopropyl ether

Concen: 64.185 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Tgt Ion: 45 Resp: 349487

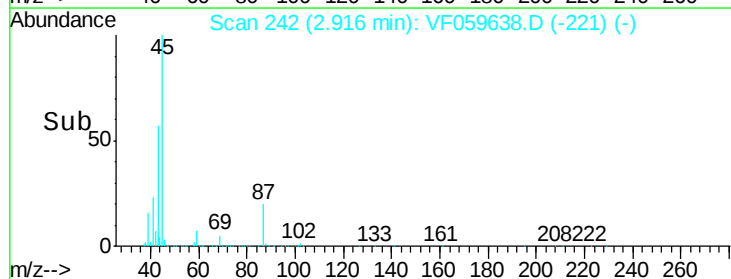
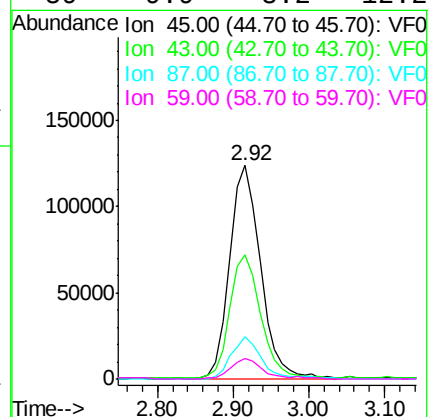
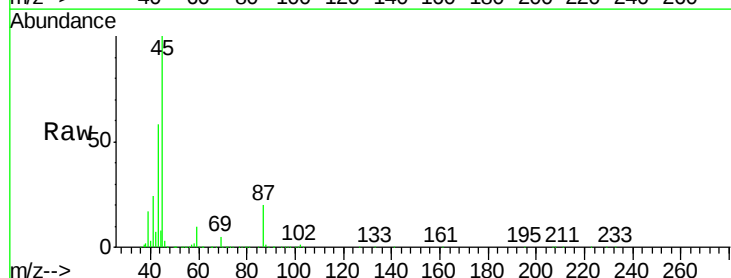
Ion Ratio Lower Upper

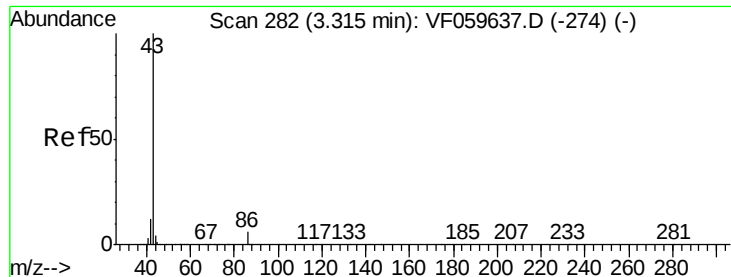
45 100

43 58.2 46.5 69.7

87 20.0 16.5 24.7

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 297.645 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

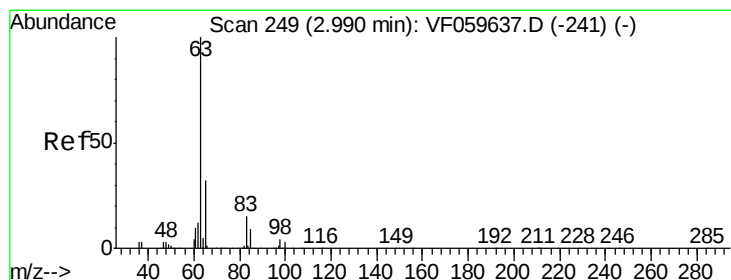
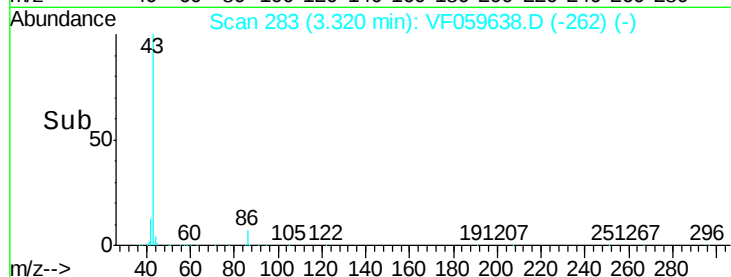
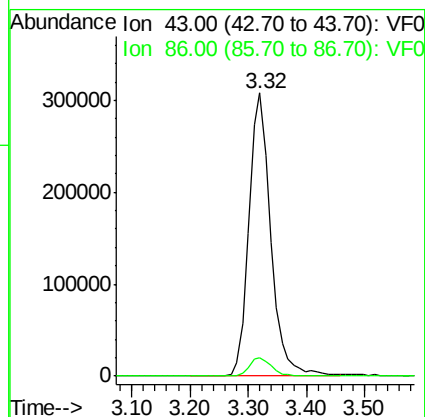
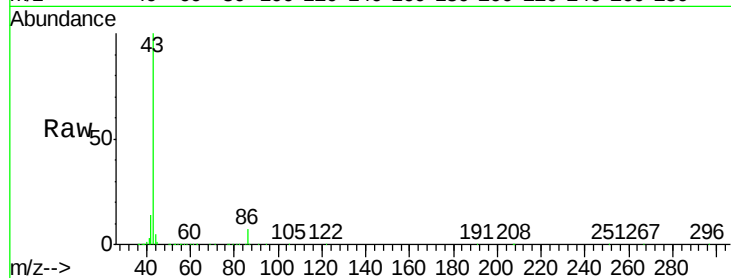
VSTDIC075

Tgt Ion: 43 Resp: 807662

Ion Ratio Lower Upper

43 100

86 6.6 4.5 6.7



#24

1,1-Dichloroethane

Concen: 62.405 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

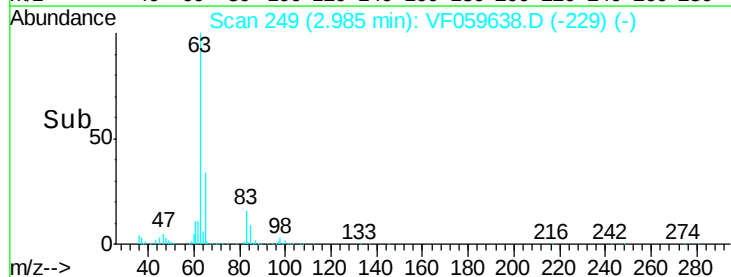
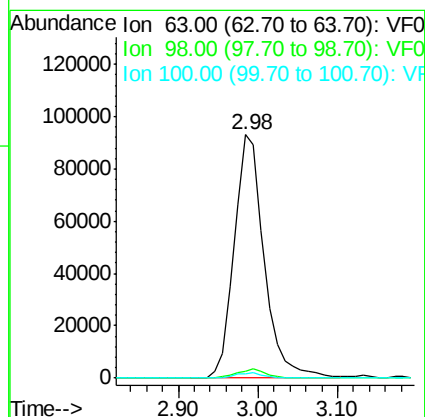
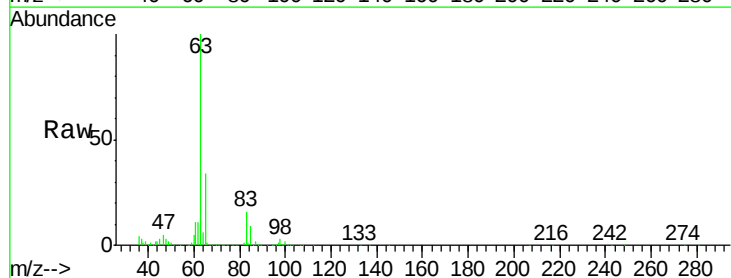
Tgt Ion: 63 Resp: 244766

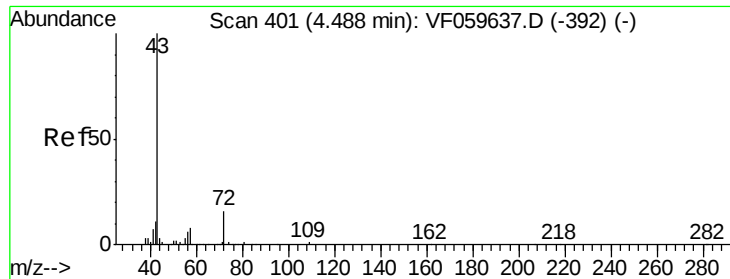
Ion Ratio Lower Upper

63 100

98 3.0 1.8 5.5

100 2.0 1.3 3.9





#25

2-Butanone

Concen: 307.479 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

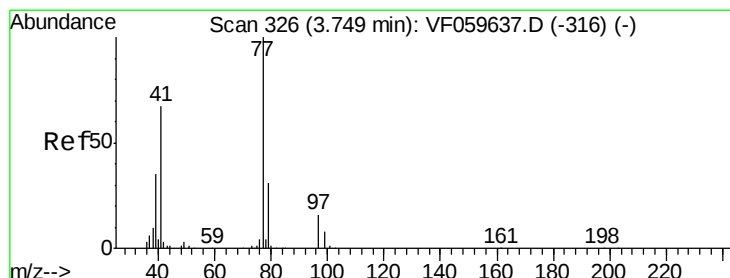
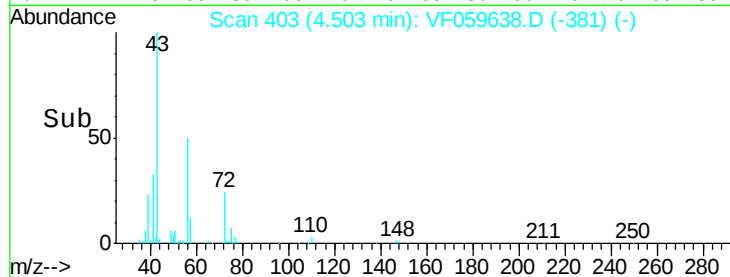
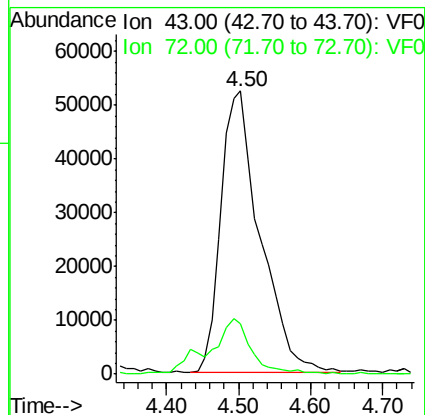
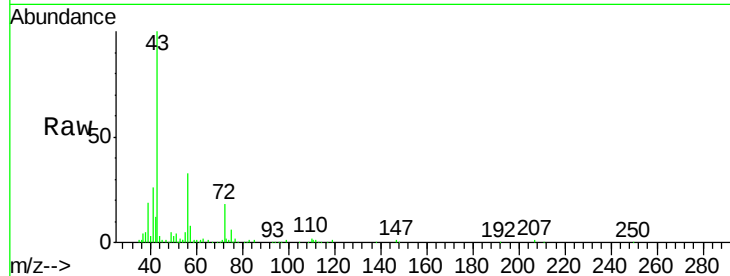
VSTDIC075

Tgt Ion: 43 Resp: 197581

Ion Ratio Lower Upper

43 100

72 17.8 13.5 20.3



#26

2,2-Dichloropropane

Concen: 58.529 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059638.D

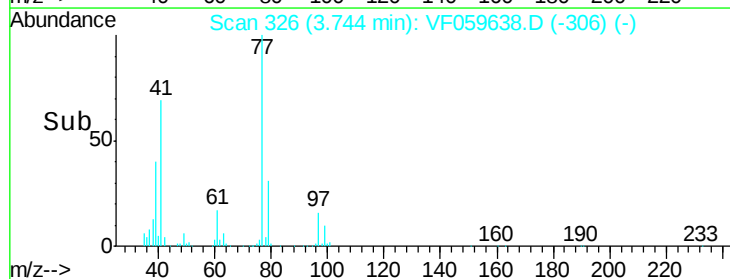
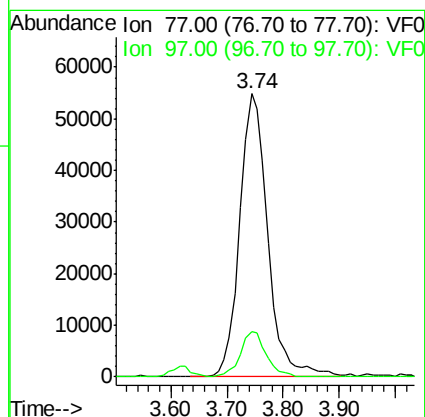
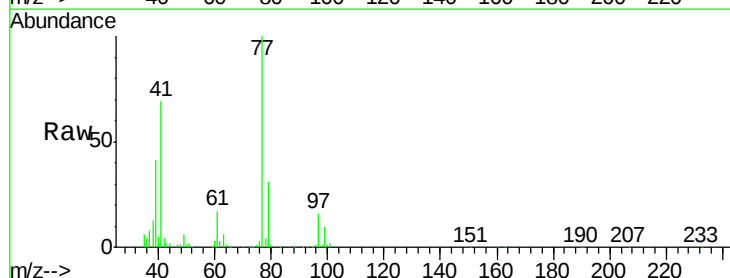
Acq: 24 Jul 2018 17:58

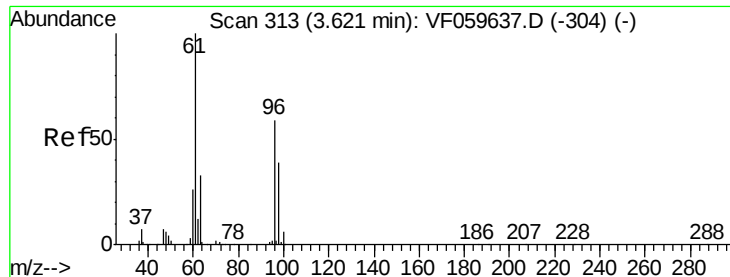
Tgt Ion: 77 Resp: 191116

Ion Ratio Lower Upper

77 100

97 16.2 7.8 23.3



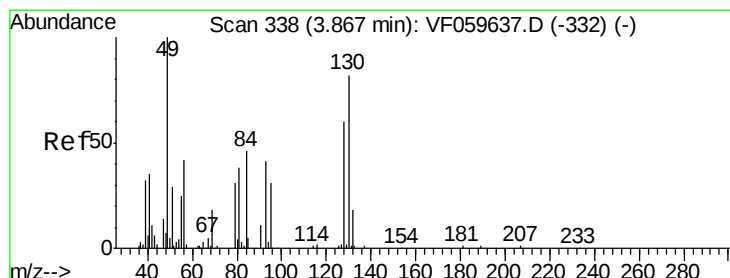
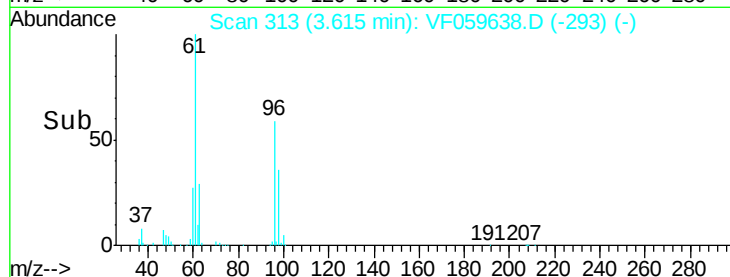
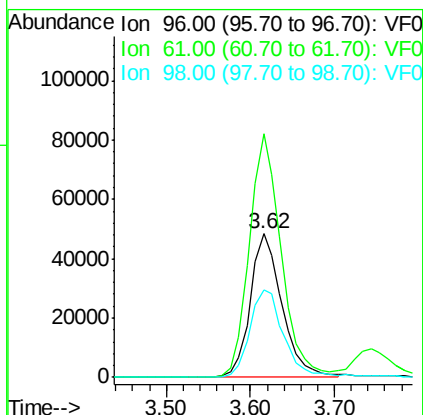
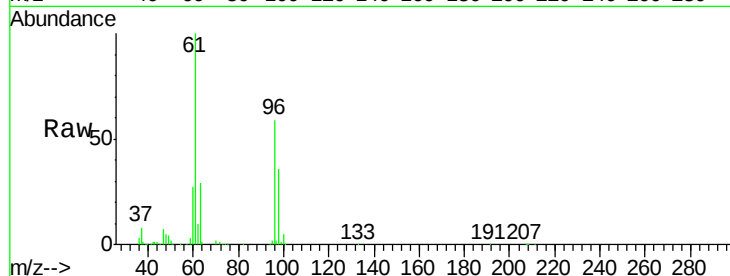


#27

cis-1,2-Dichloroethene
Concen: 65.562 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

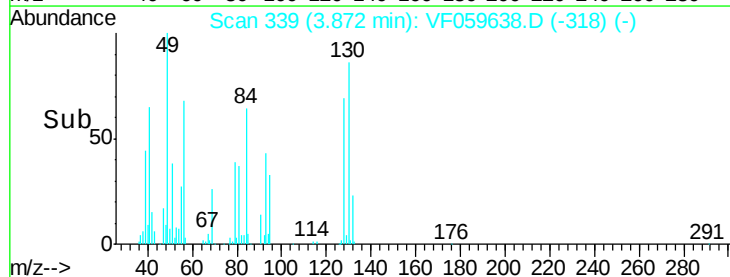
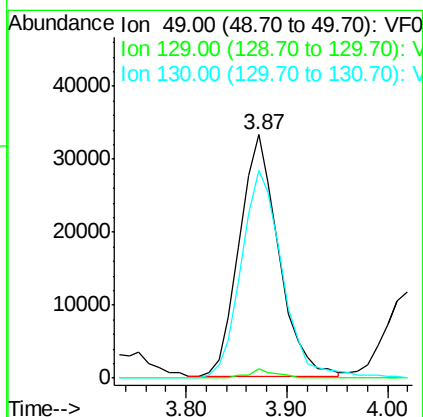
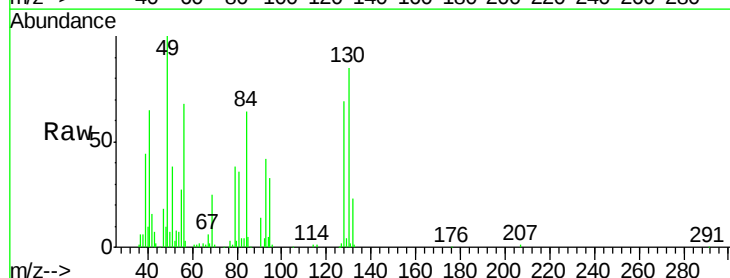
Tgt Ion: 96 Resp: 128478
Ion Ratio Lower Upper
96 100
61 169.4 0.0 337.4
98 60.6 0.0 132.8

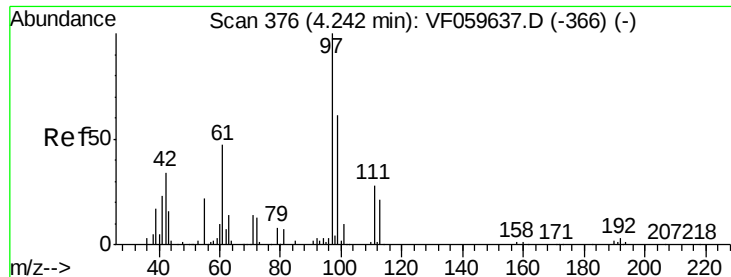


#28

Bromochloromethane
Concen: 62.600 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 49 Resp: 90234
Ion Ratio Lower Upper
49 100
129 3.6 0.0 4.6
130 85.4 65.0 97.4

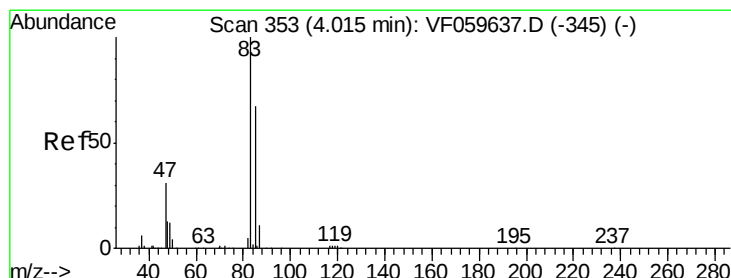
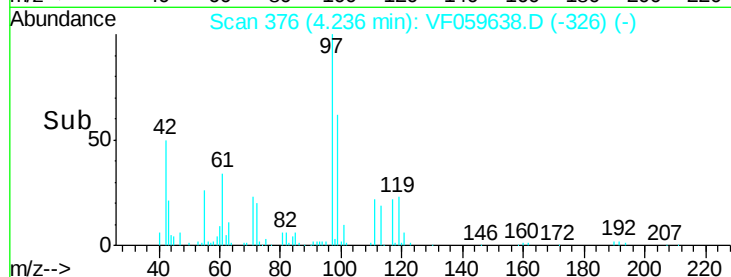
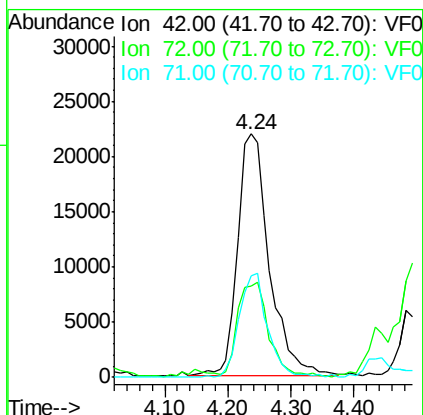
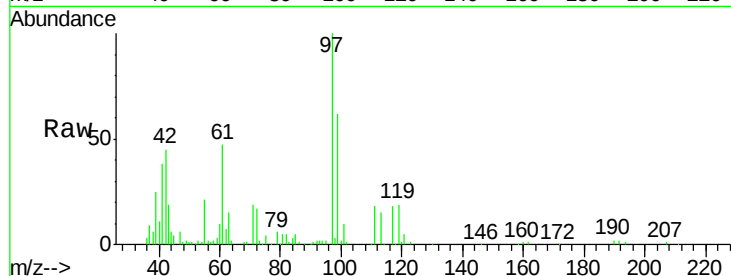




#29
Tetrahydrofuran
Concen: 292.622 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

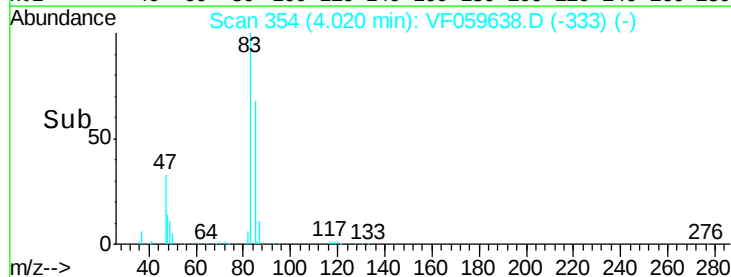
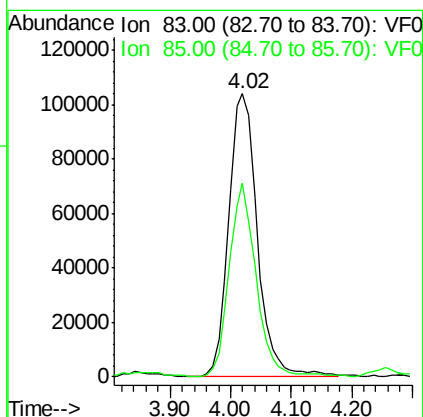
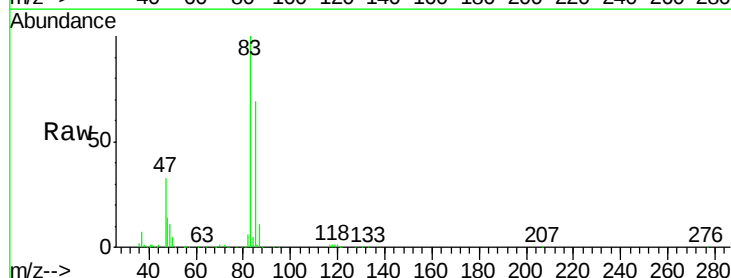
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

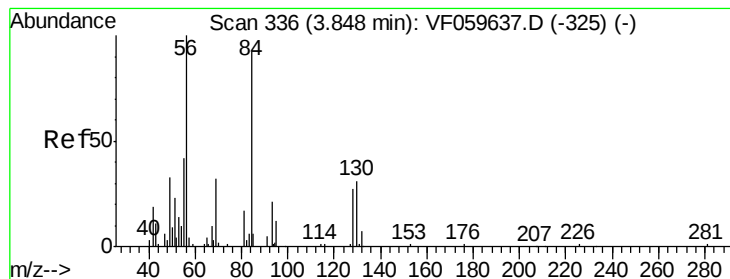
Tgt Ion: 42 Resp: 76609
Ion Ratio Lower Upper
42 100
72 38.6 30.0 45.0
71 37.7 28.6 42.8



#30
Chloroform
Concen: 62.843 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 83 Resp: 340239
Ion Ratio Lower Upper
83 100
85 68.5 53.8 80.8





#31

Cyclohexane

Concen: 64.026 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

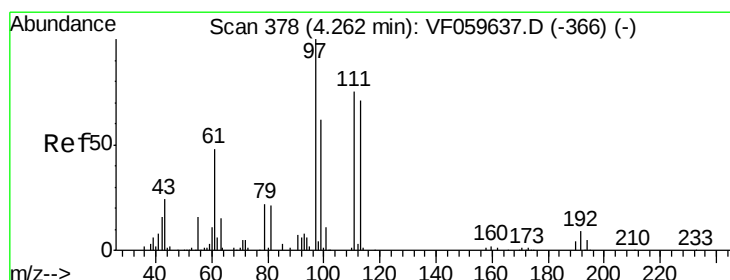
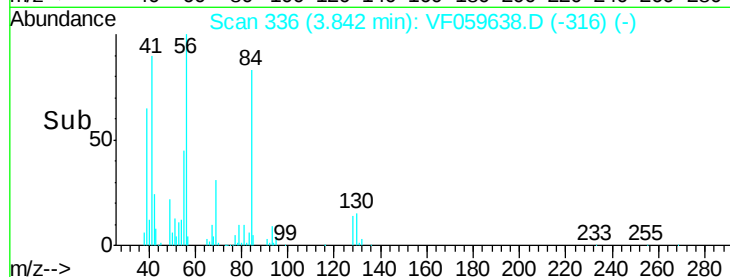
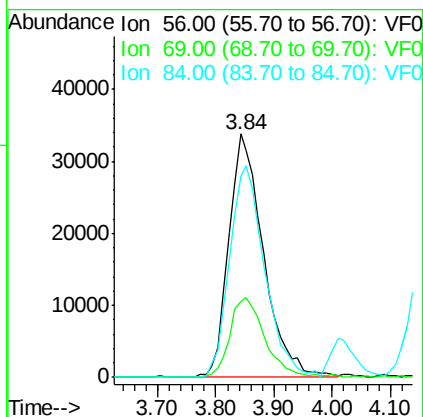
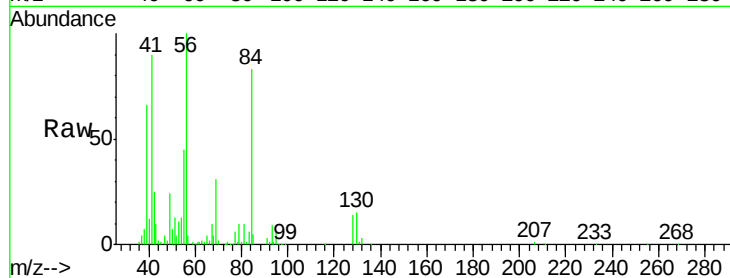
Tgt Ion: 56 Resp: 140777

Ion Ratio Lower Upper

56 100

69 31.1 26.0 39.0

84 83.0 73.5 110.3



#32

1,1,1-Trichloroethane

Concen: 58.538 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

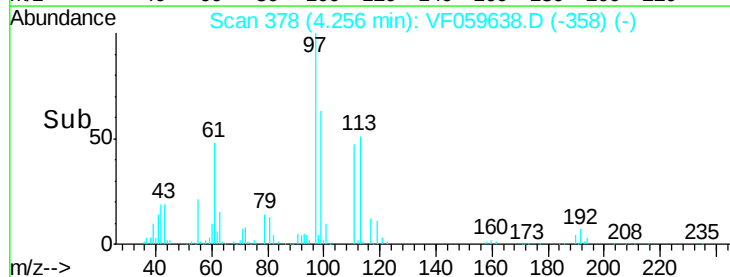
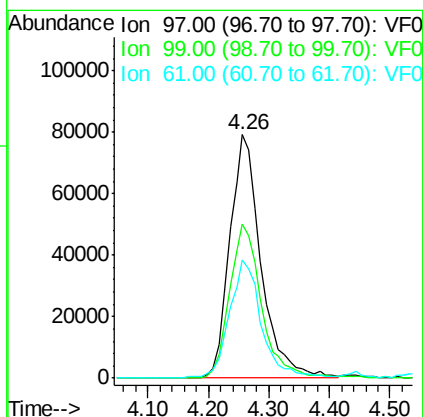
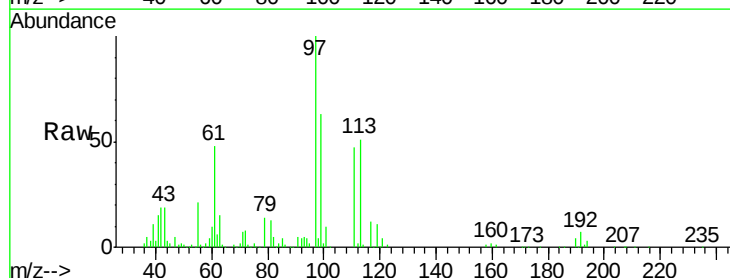
Tgt Ion: 97 Resp: 283504

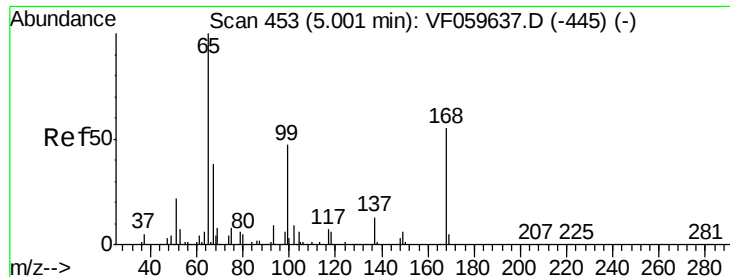
Ion Ratio Lower Upper

97 100

99 63.1 49.8 74.6

61 48.4 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 66.141 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

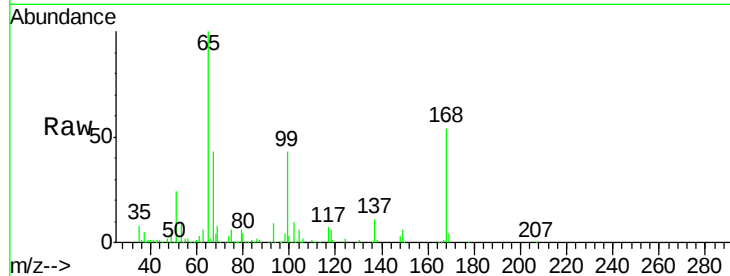
VSTDIC075

Tgt Ion: 65 Resp: 242292

Ion Ratio Lower Upper

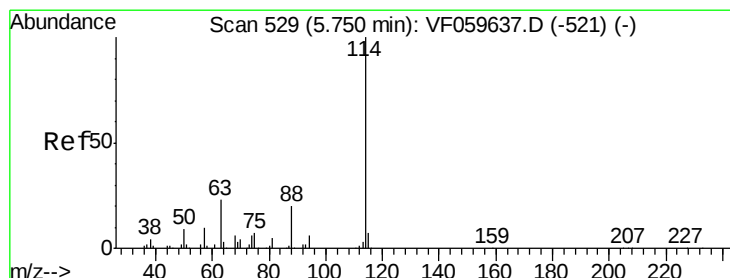
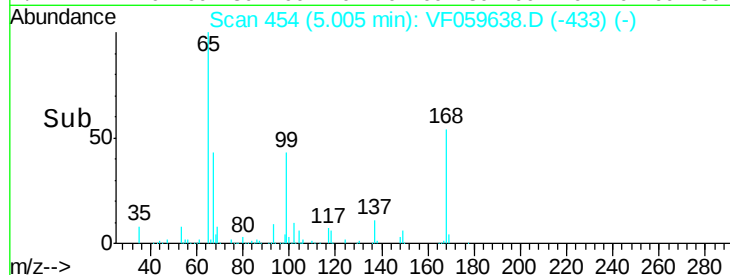
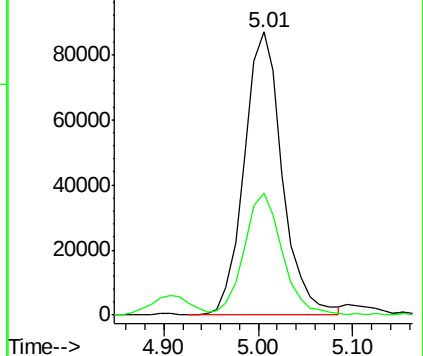
65 100

67 43.2 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# 530

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

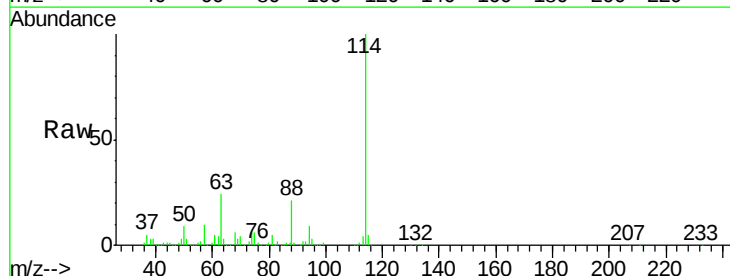
Tgt Ion: 114 Resp: 335511

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.6

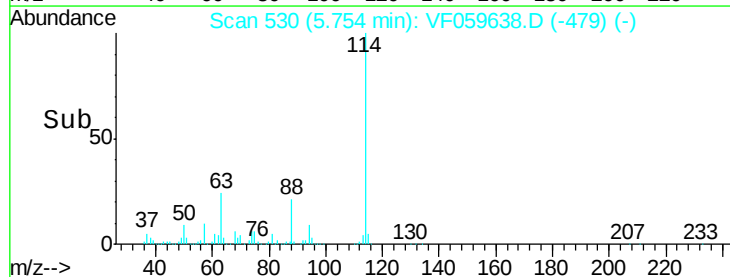
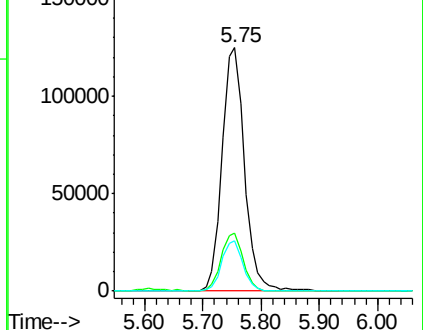
88 20.7 0.0 40.8

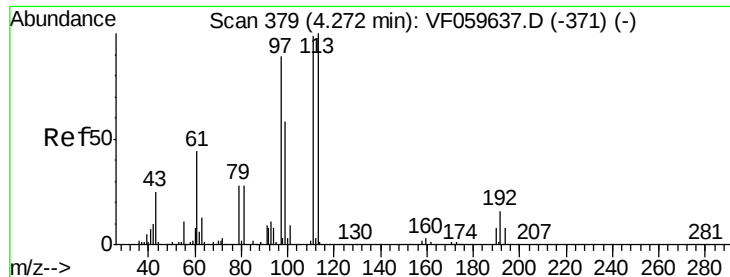


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

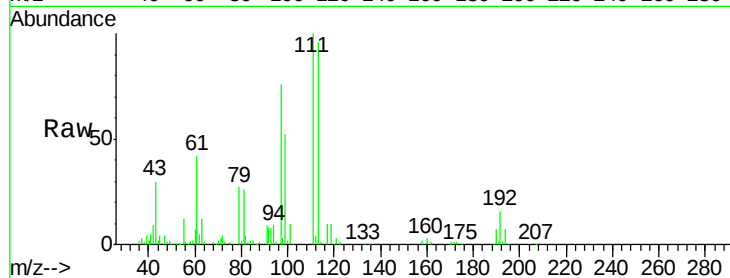




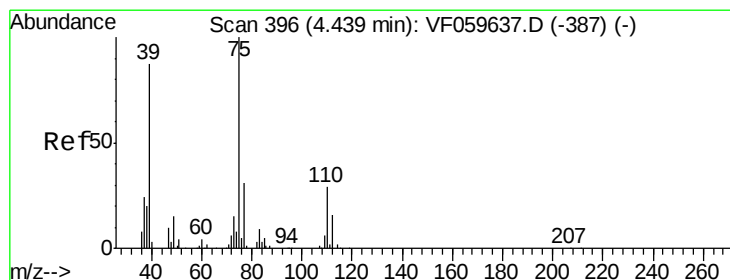
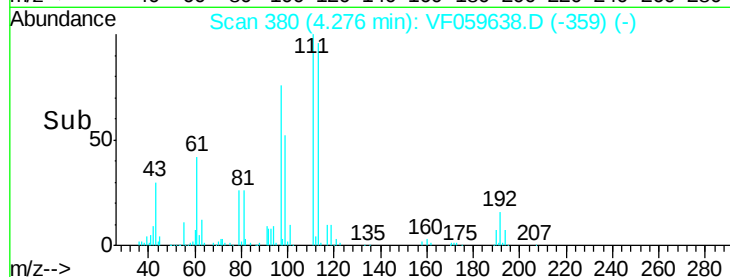
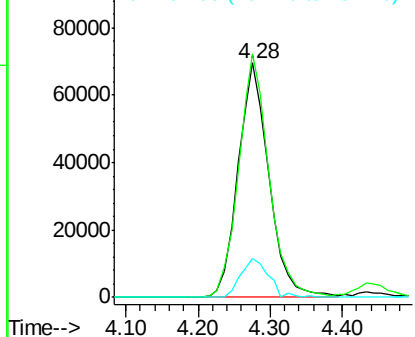
#35
 Dibromofluoromethane
 Concen: 67.653 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:113 Resp: 207672
 Ion Ratio Lower Upper
 113 100
 111 103.9 79.3 118.9
 192 16.8 13.4 20.2

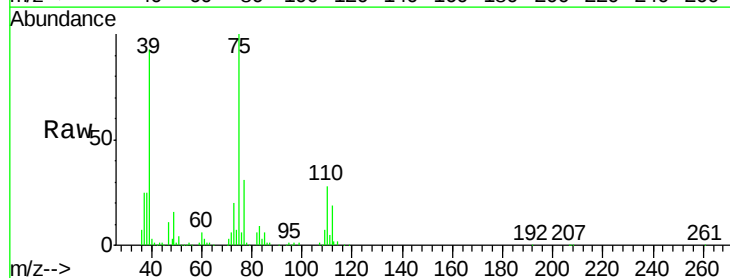


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

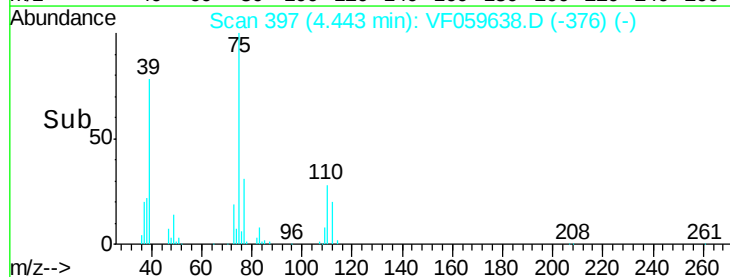
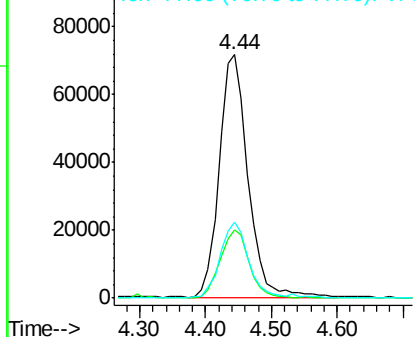


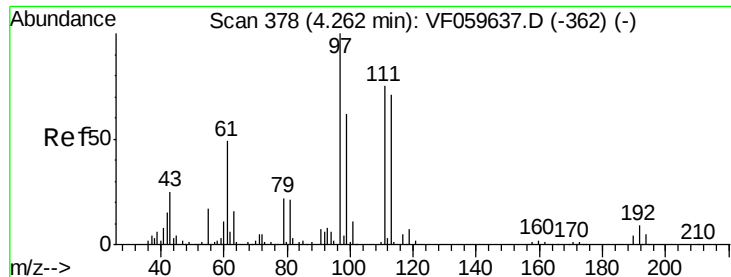
#36
 1,1-Dichloropropene
 Concen: 64.611 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion: 75 Resp: 217997
 Ion Ratio Lower Upper
 75 100
 110 28.1 14.6 43.8
 77 31.0 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

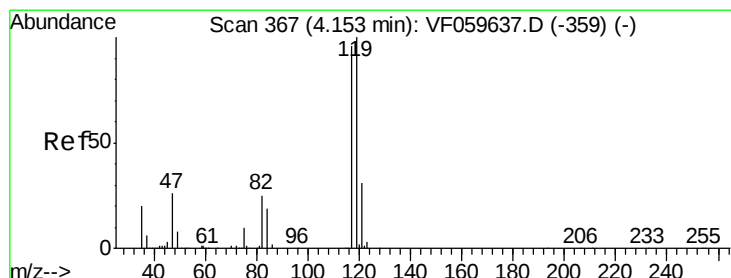
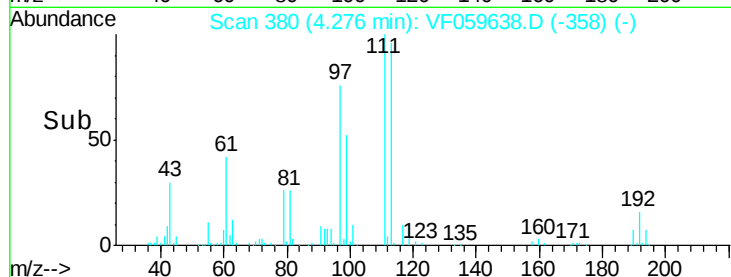
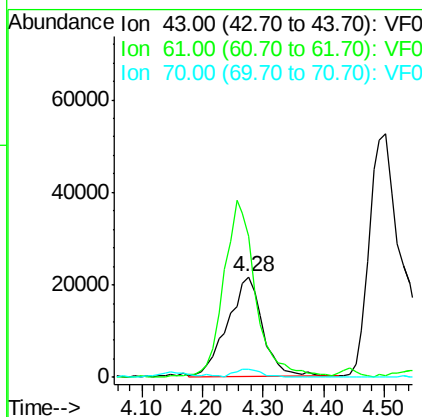
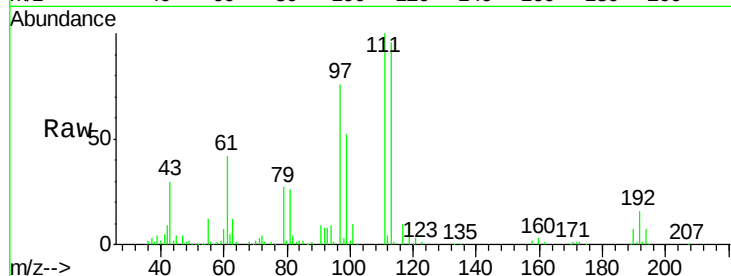




#37
Ethyl Acetate
Concen: 64.773 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

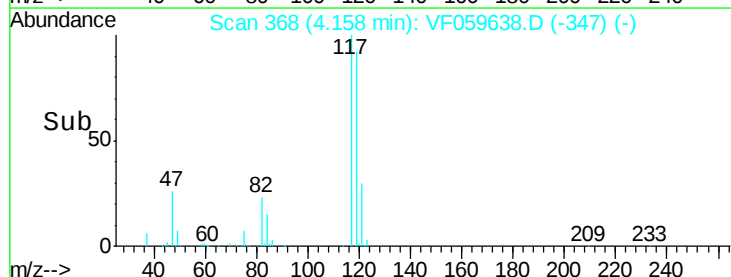
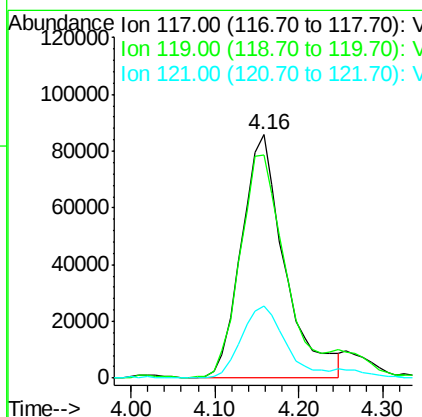
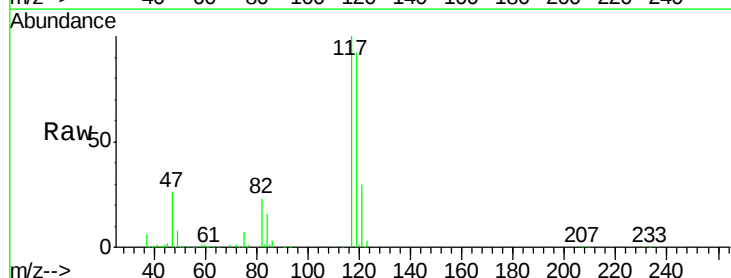
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

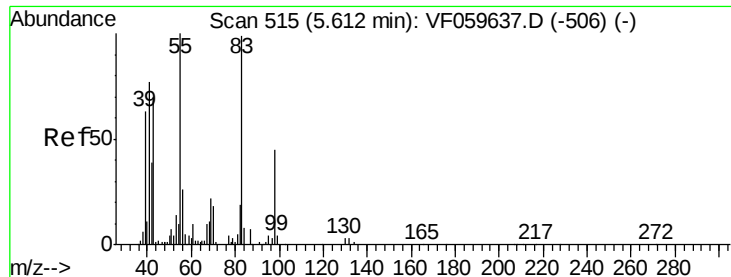
Tgt Ion: 43 Resp: 85999
Ion Ratio Lower Upper
43 100
61 140.2 156.6 234.8#
70 7.6 7.3 10.9



#38
Carbon Tetrachloride
Concen: 60.033 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 117 Resp: 306587
Ion Ratio Lower Upper
117 100
119 91.6 83.0 124.6
121 29.8 26.2 39.4

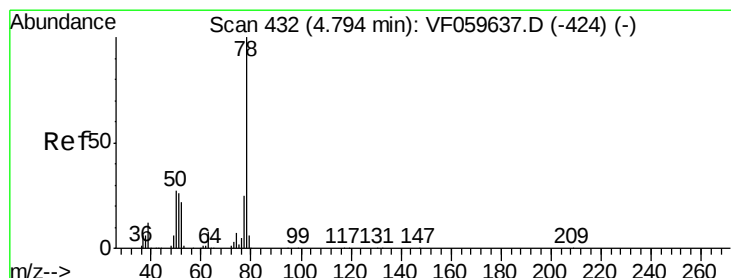
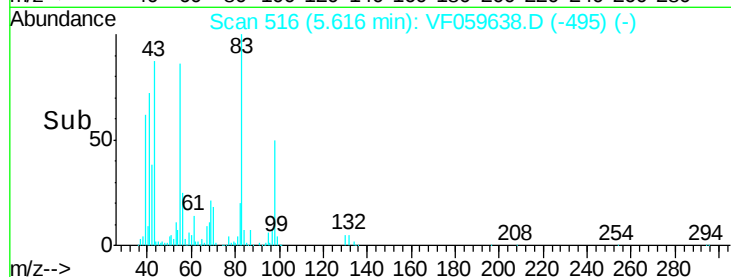
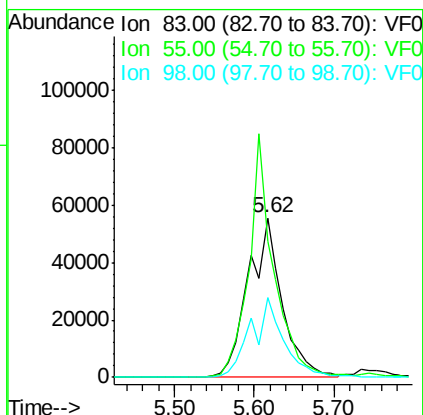
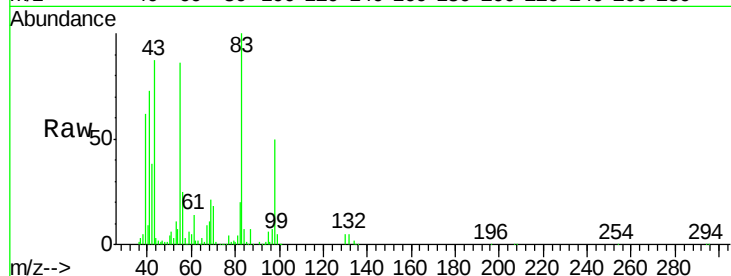




#39
Methylcyclohexane
Concen: 60.181 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

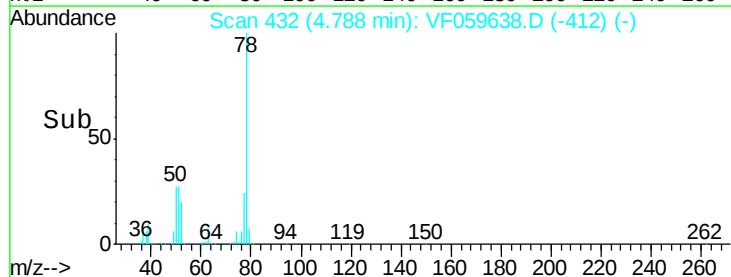
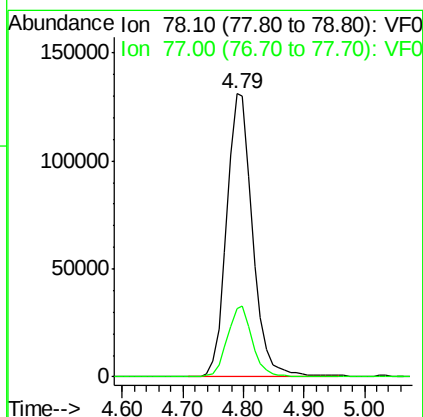
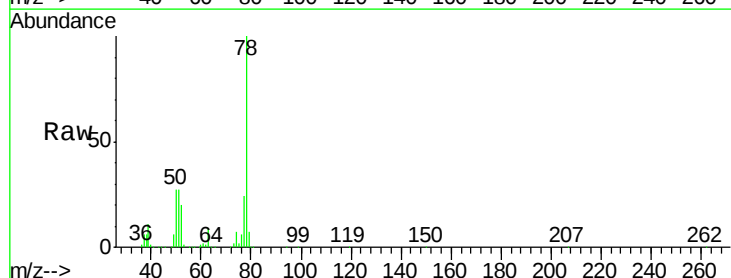
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

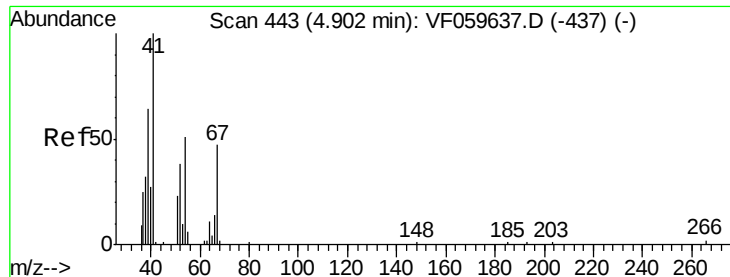
Tgt Ion: 83 Resp: 163778
Ion Ratio Lower Upper
83 100
55 85.7 81.5 122.3
98 49.8 36.7 55.1



#40
Benzene
Concen: 63.111 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 78 Resp: 389272
Ion Ratio Lower Upper
78 100
77 24.2 19.8 29.6





#41

Methacrylonitrile

Concen: 62.851 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 41218

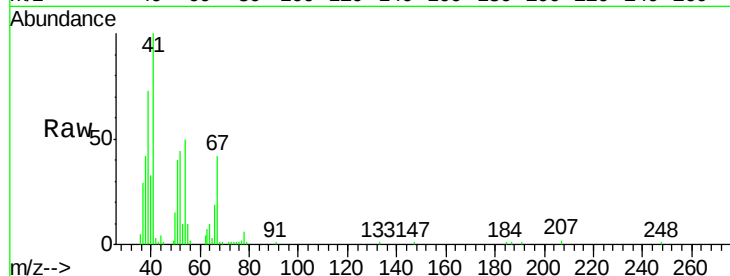
Ion Ratio Lower Upper

41 100

39 72.6 56.9 85.3

67 41.5 36.6 54.8

52 43.9 42.6 63.8

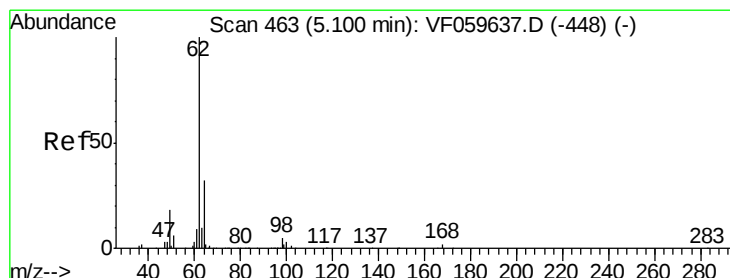
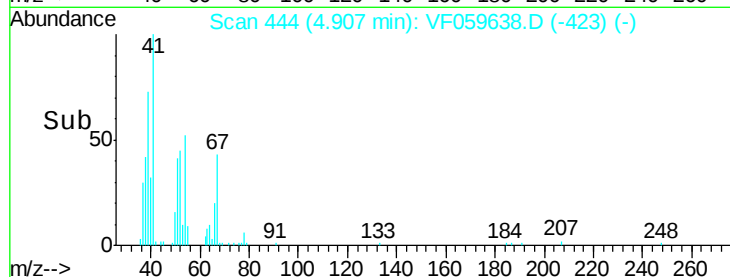
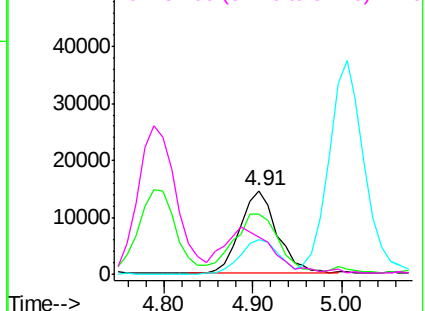


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 58.977 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.00 min

Lab File: VF059638.D

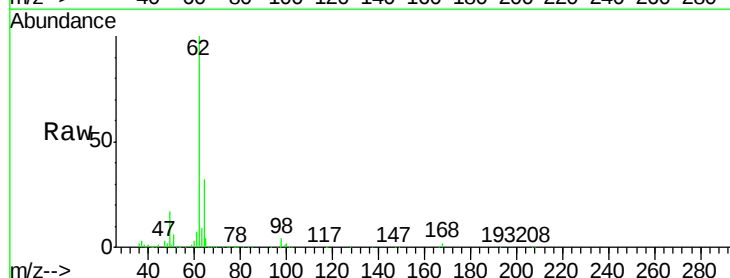
Acq: 24 Jul 2018 17:58

Tgt Ion: 62 Resp: 240676

Ion Ratio Lower Upper

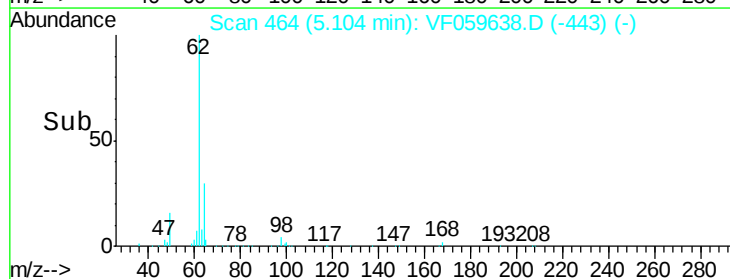
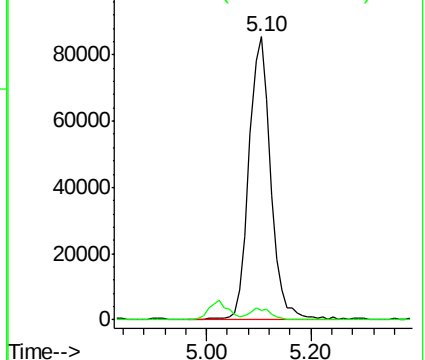
62 100

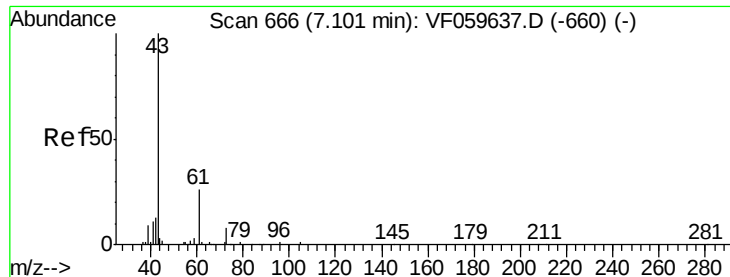
98 3.6 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 60.892 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

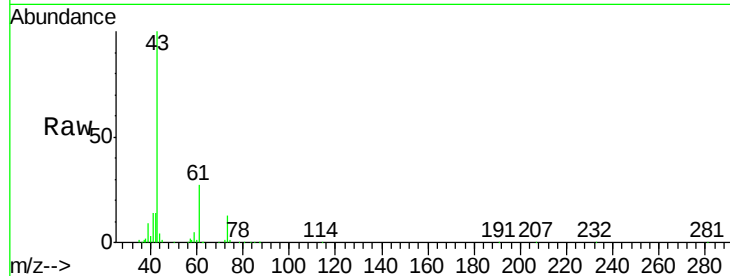
Tgt Ion: 43 Resp: 100677

Ion Ratio Lower Upper

43 100

61 26.9 20.5 30.7

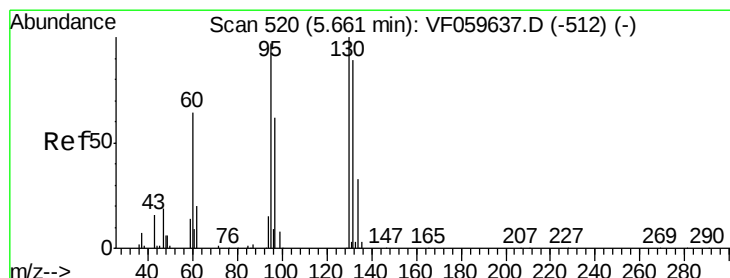
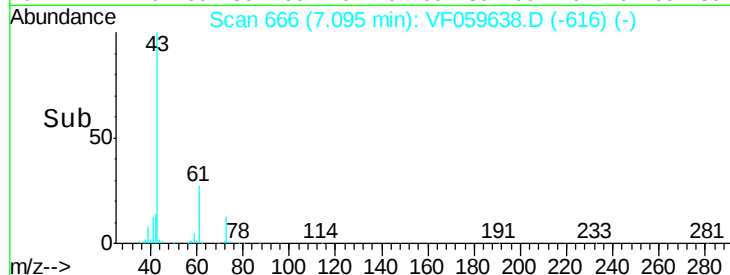
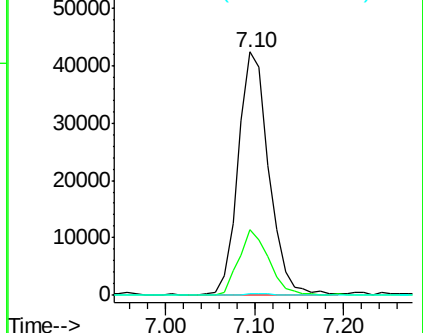
87 0.8 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 62.900 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059638.D

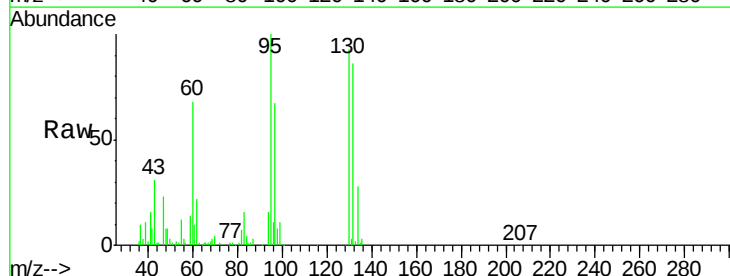
Acq: 24 Jul 2018 17:58

Tgt Ion: 130 Resp: 148036

Ion Ratio Lower Upper

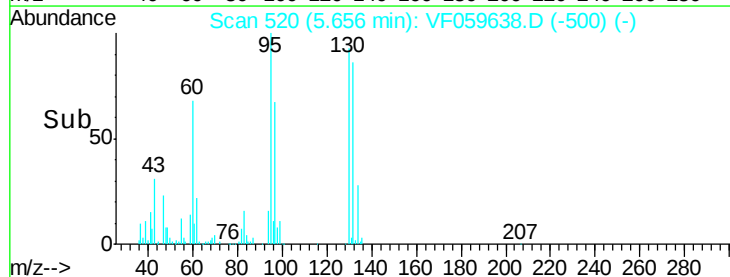
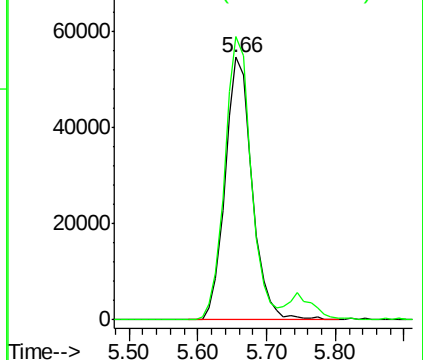
130 100

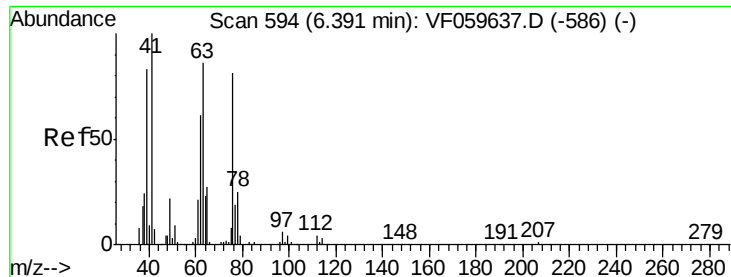
95 107.9 0.0 193.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

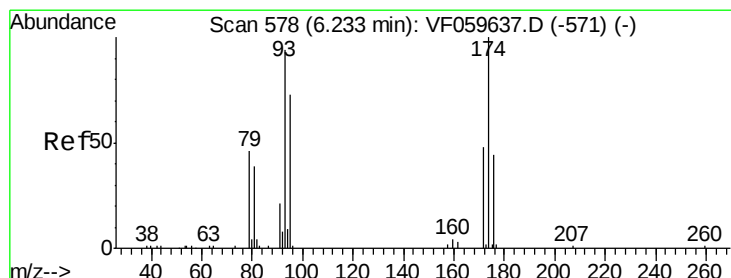
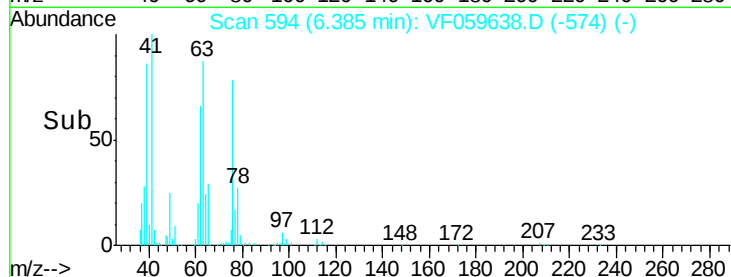
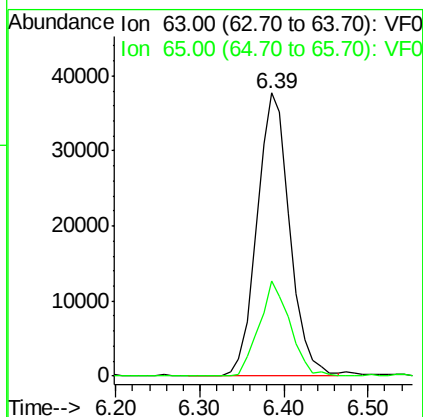
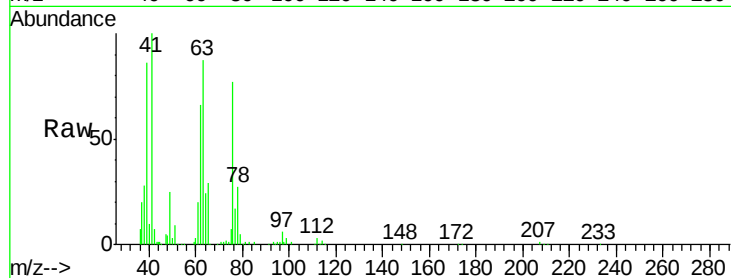




#45
 1,2-Dichloropropane
 Concen: 62.304 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

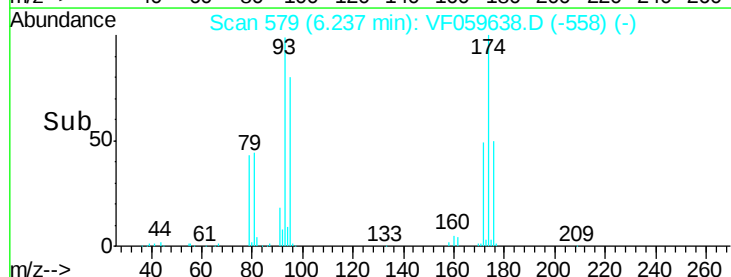
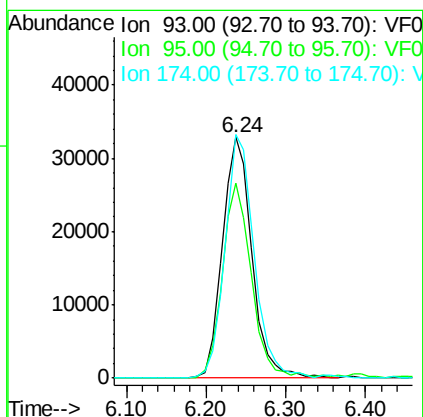
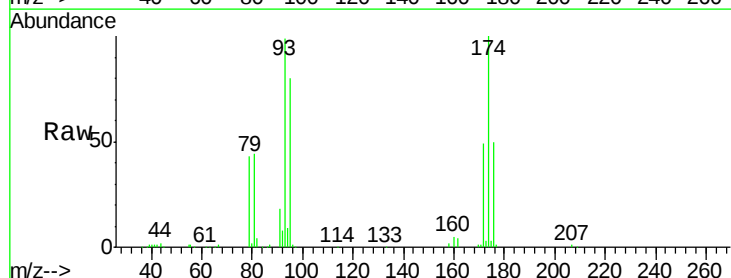
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

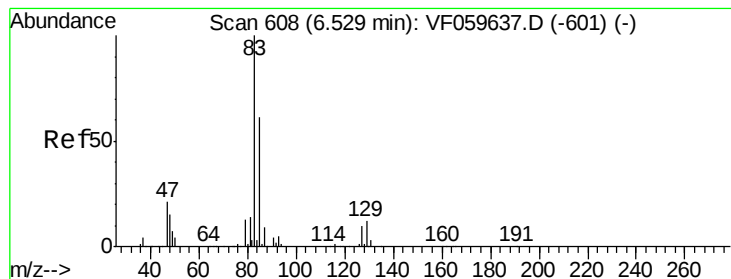
Tgt Ion: 63 Resp: 102756
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.1 37.7



#46
 Dibromomethane
 Concen: 63.970 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion: 93 Resp: 85767
 Ion Ratio Lower Upper
 93 100
 95 81.0 63.1 94.7
 174 101.1 85.3 127.9





#47

Bromodichloromethane

Concen: 61.255 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

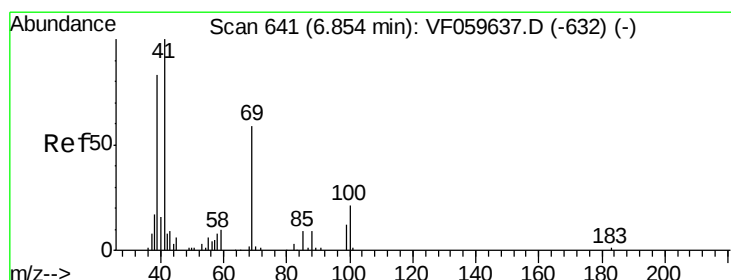
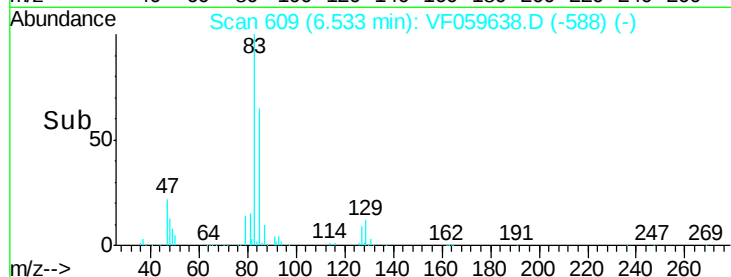
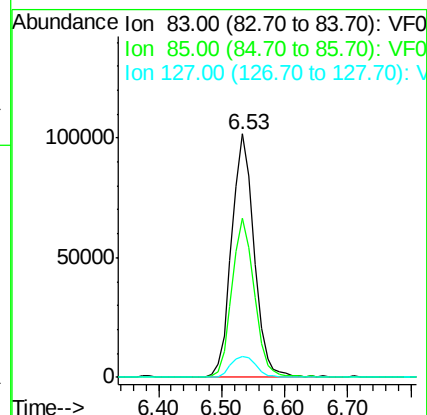
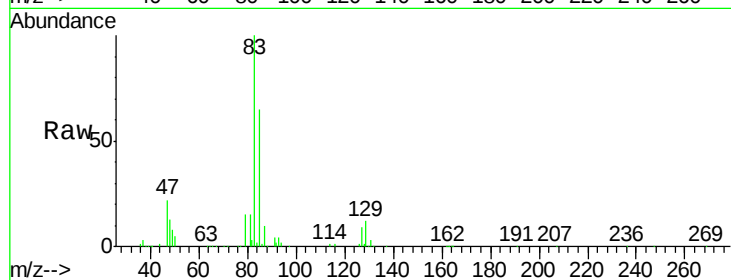
Tgt Ion: 83 Resp: 251493

Ion Ratio Lower Upper

83 100

85 65.2 48.6 72.8

127 8.8 7.7 11.5



#48

Methyl methacrylate

Concen: 60.436 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

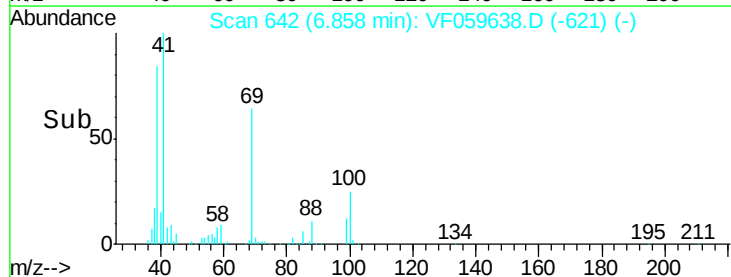
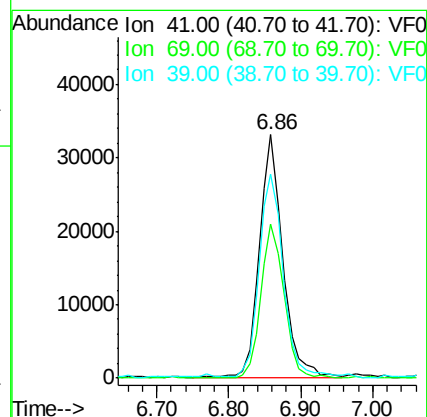
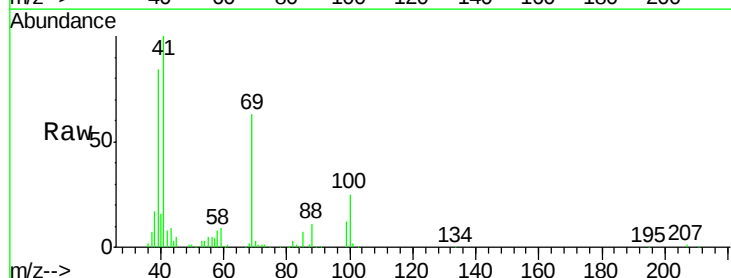
Tgt Ion: 41 Resp: 76080

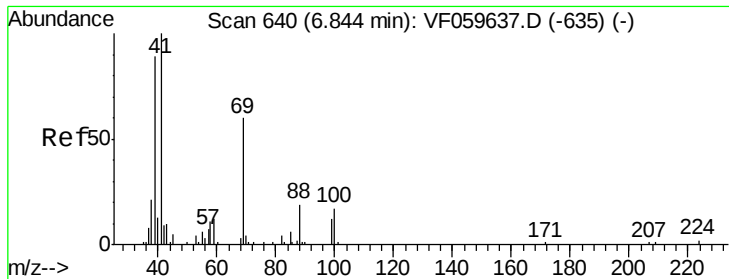
Ion Ratio Lower Upper

41 100

69 63.2 47.5 71.3

39 83.9 67.0 100.6





#49

1,4-Dioxane

Concen: 1378.551 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

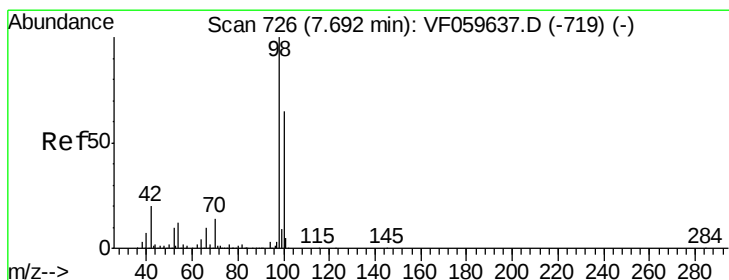
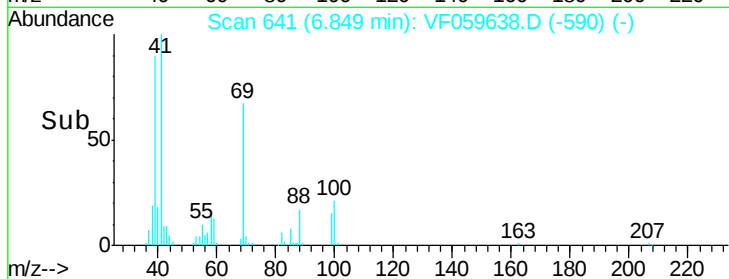
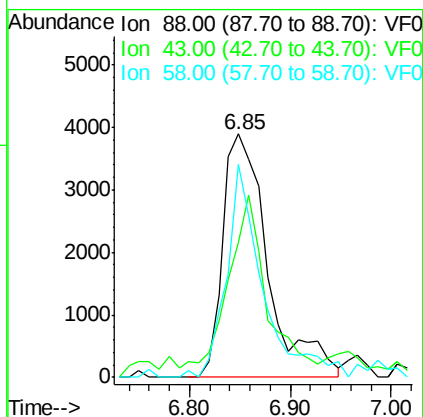
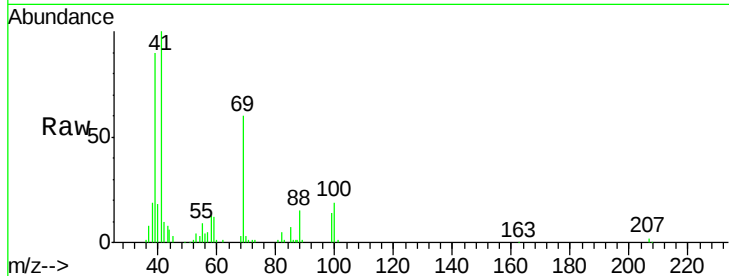
Tgt Ion: 88 Resp: 12199

Ion Ratio Lower Upper

88 100

43 55.3 45.3 67.9

58 87.4 47.7 71.5#



#50

Toluene-d8

Concen: 66.007 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059638.D

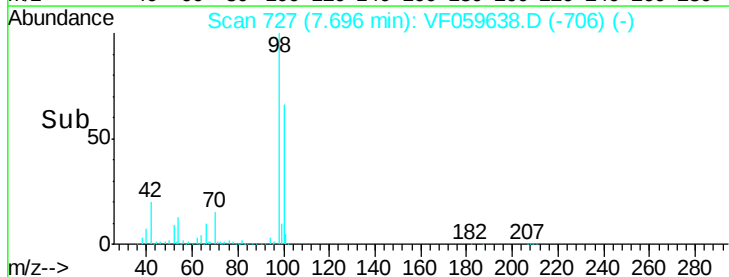
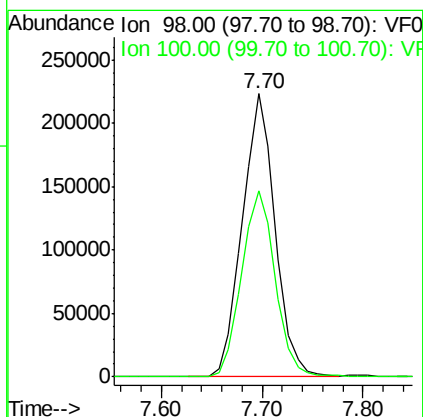
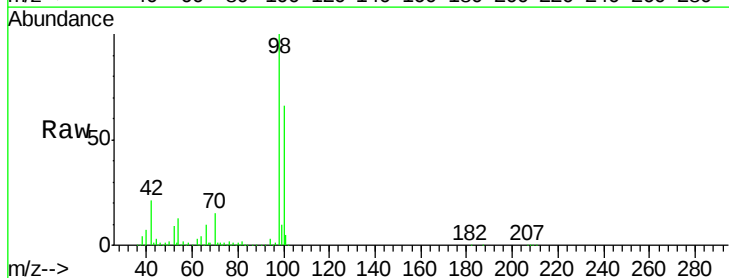
Acq: 24 Jul 2018 17:58

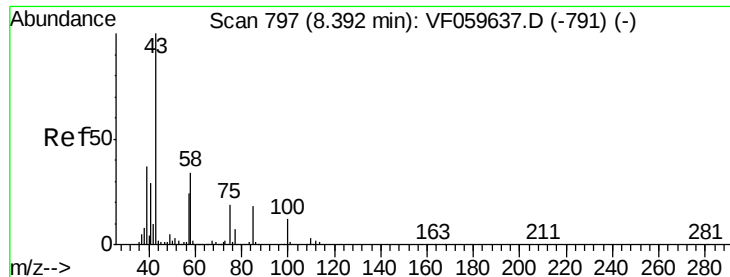
Tgt Ion: 98 Resp: 507224

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 302.690 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

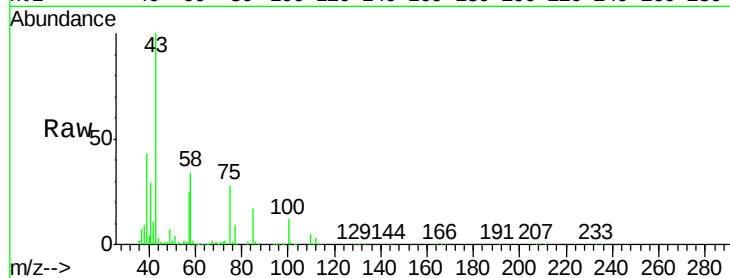
VSTDIC075

Tgt Ion: 43 Resp: 374390

Ion Ratio Lower Upper

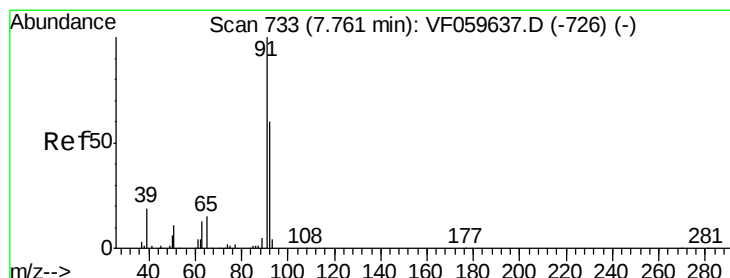
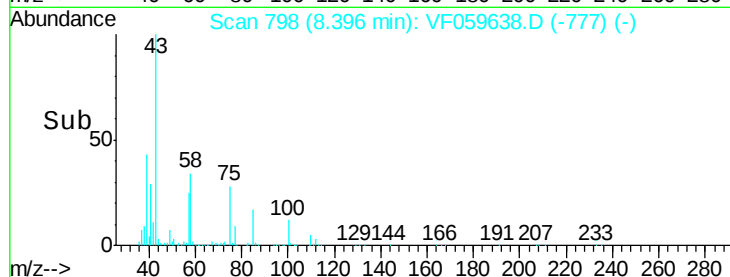
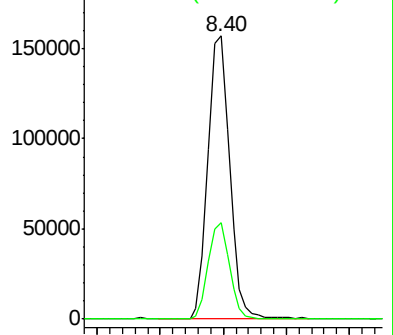
43 100

58 34.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 58.223 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059638.D

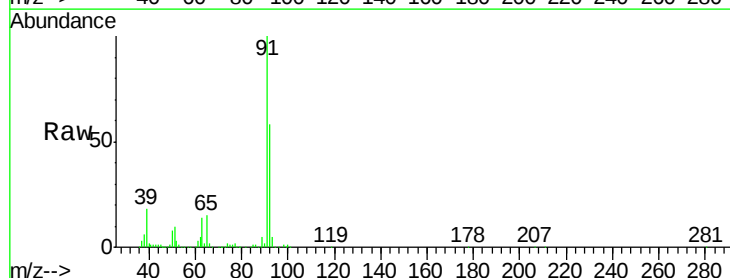
Acq: 24 Jul 2018 17:58

Tgt Ion: 92 Resp: 271611

Ion Ratio Lower Upper

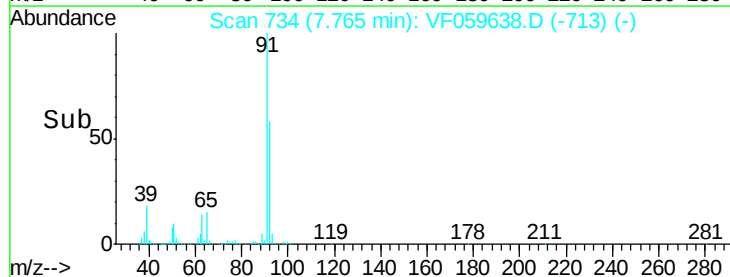
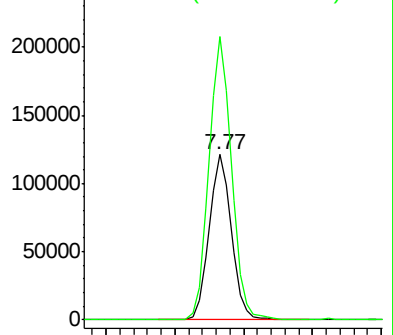
92 100

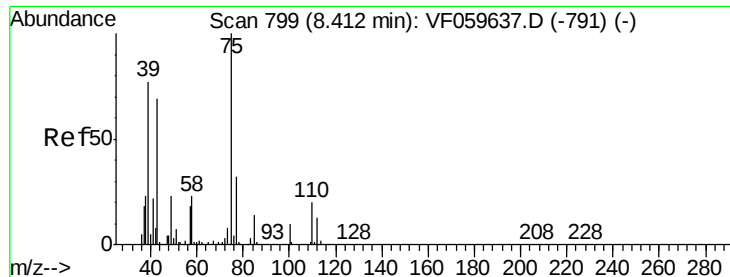
91 171.1 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 59.949 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

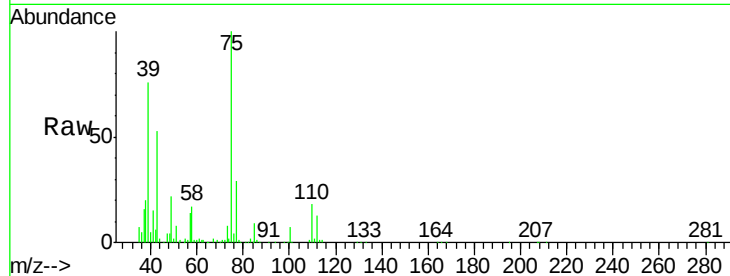
VSTDIC075

Tgt Ion: 75 Resp: 206007

Ion Ratio Lower Upper

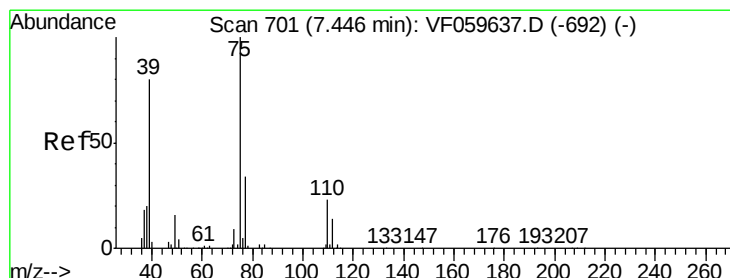
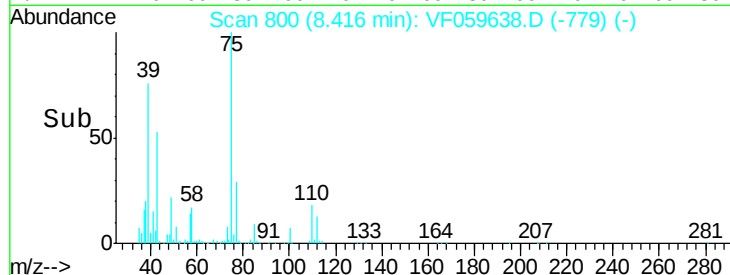
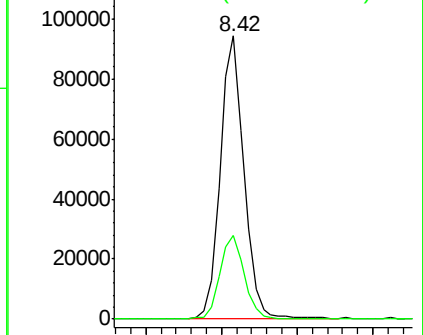
75 100

77 29.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 62.725 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

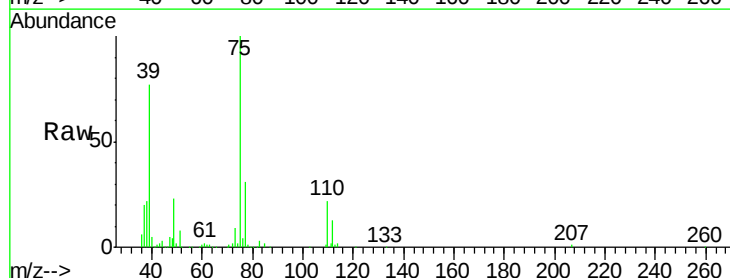
Tgt Ion: 75 Resp: 214723

Ion Ratio Lower Upper

75 100

77 31.0 27.5 41.3

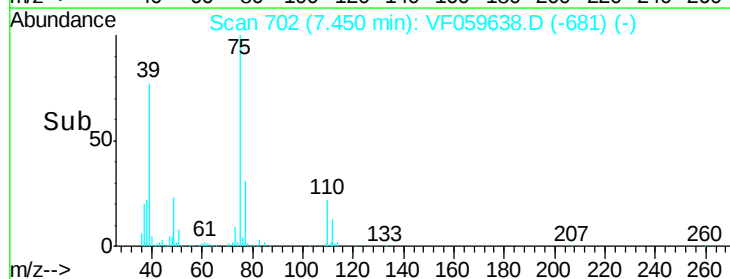
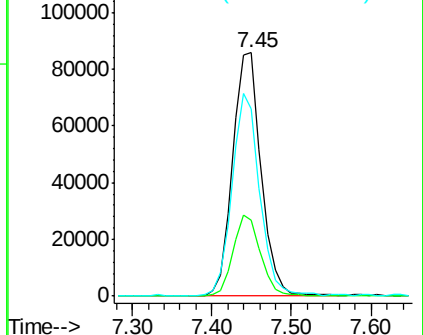
39 77.1 64.4 96.6

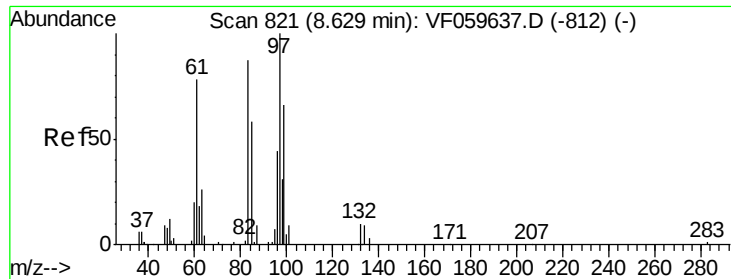


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 59.759 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 92476

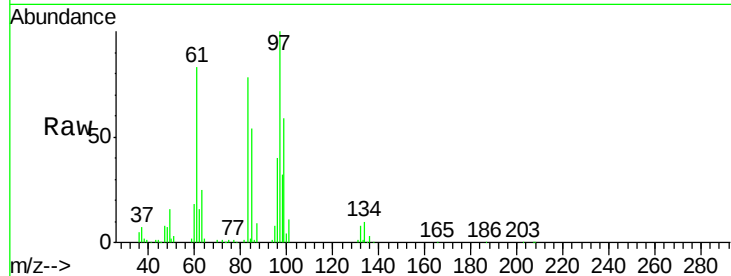
Ion Ratio Lower Upper

97 100

83 78.1 69.5 104.3

85 54.1 46.0 69.0

99 59.3 53.2 79.8

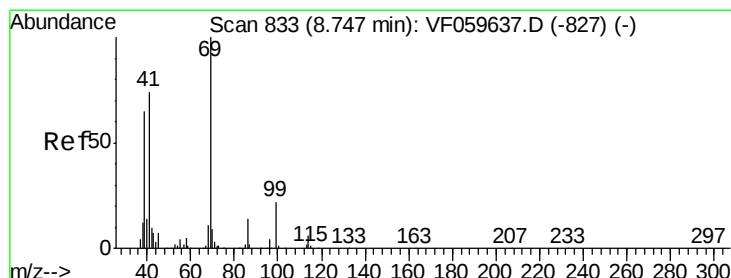
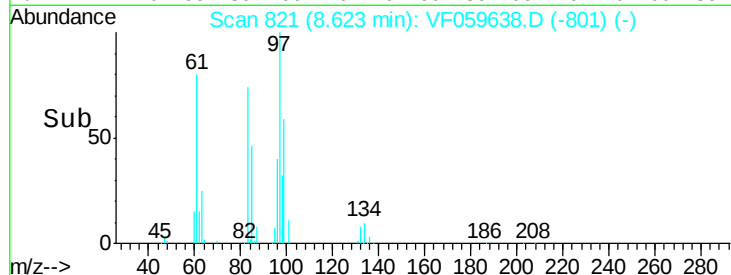
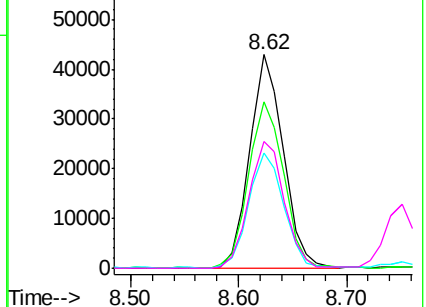


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 64.418 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

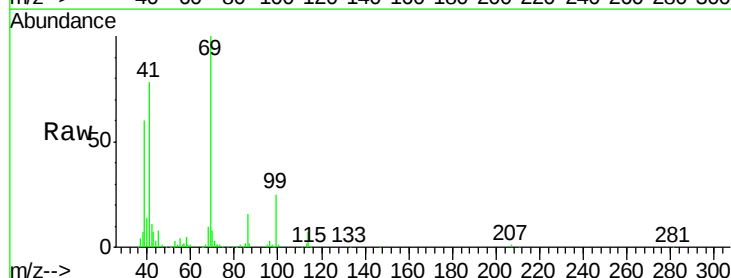
Tgt Ion: 69 Resp: 110510

Ion Ratio Lower Upper

69 100

41 78.3 59.1 88.7

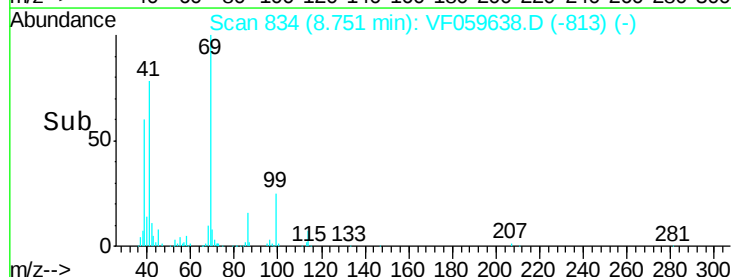
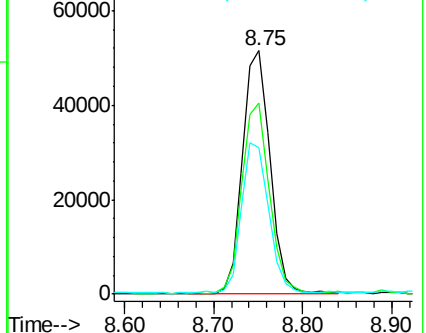
39 60.2 52.4 78.6

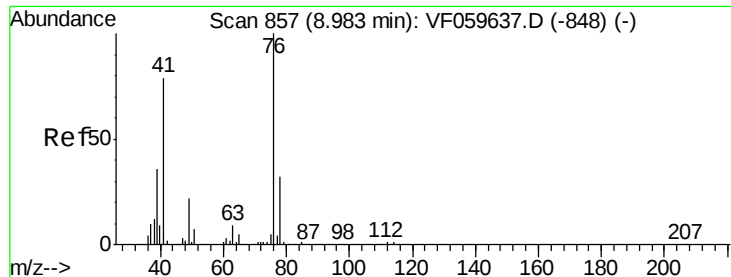


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 61.099 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

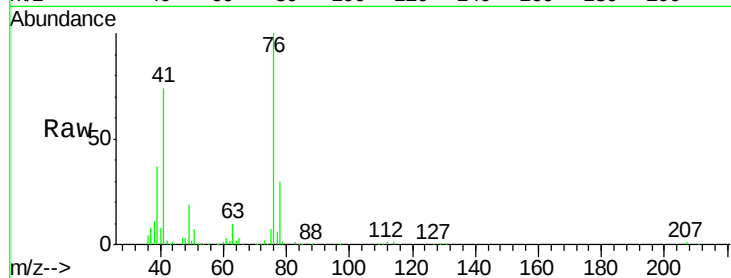
VSTDIC075

Tgt Ion: 76 Resp: 165223

Ion Ratio Lower Upper

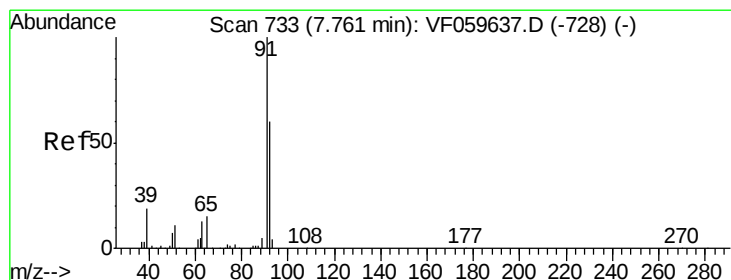
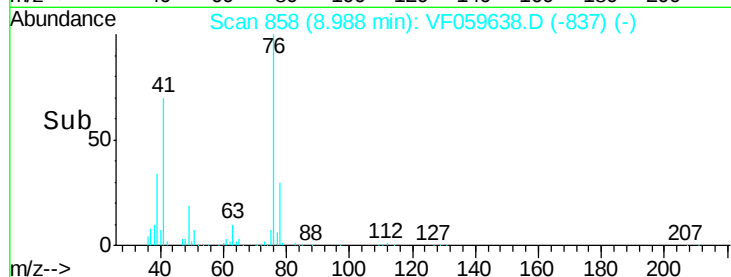
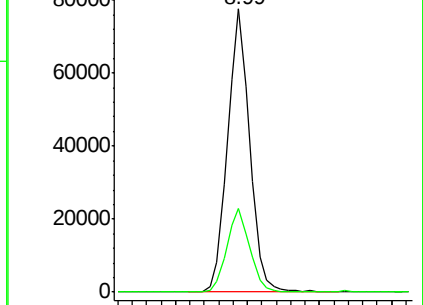
76 100

78 29.8 25.5 38.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 304.143 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059638.D

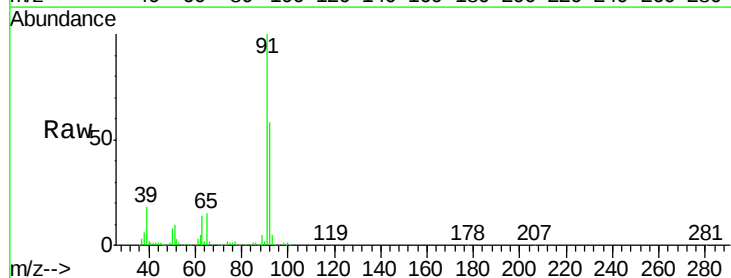
Acq: 24 Jul 2018 17:58

Tgt Ion: 63 Resp: 61931

Ion Ratio Lower Upper

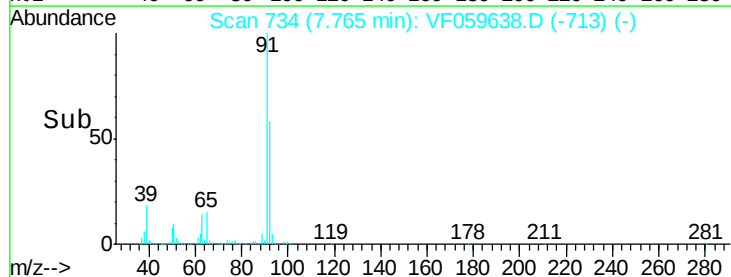
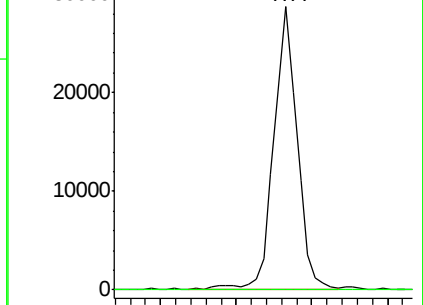
63 100

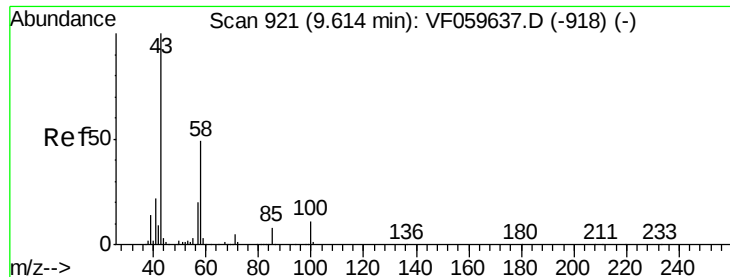
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

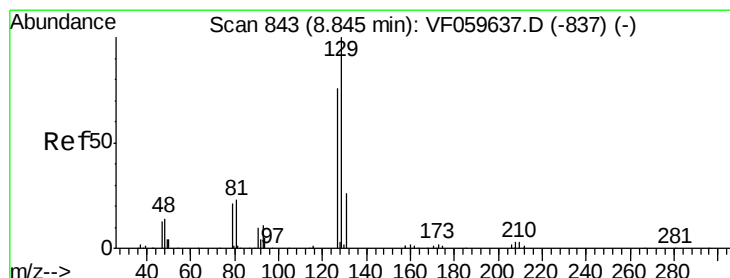
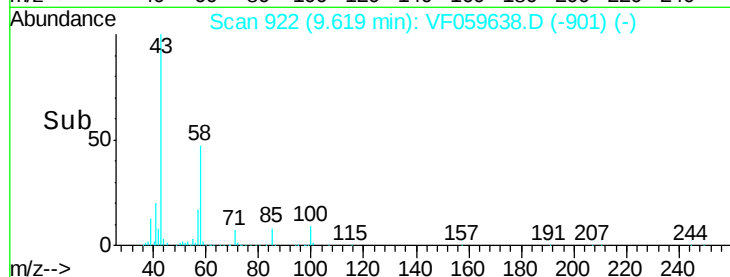
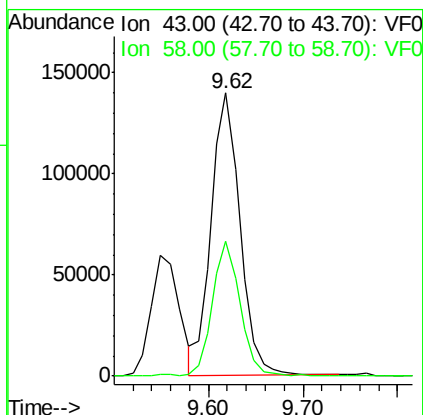
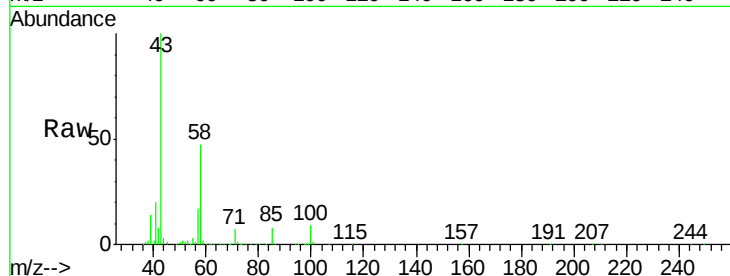




#59
2-Hexanone
Concen: 301.863 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

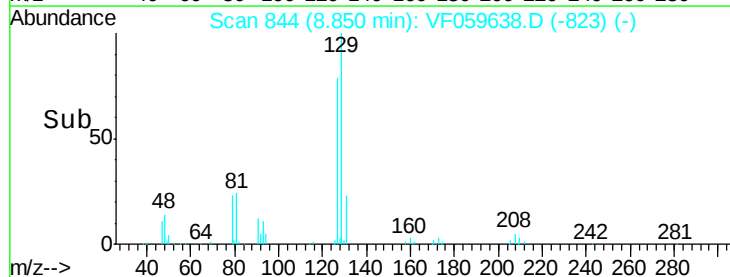
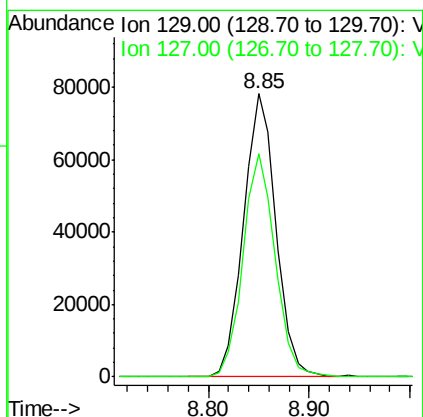
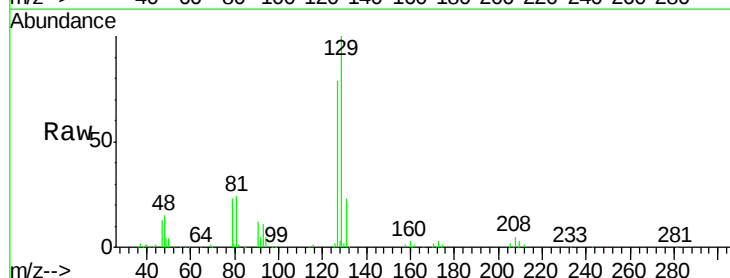
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

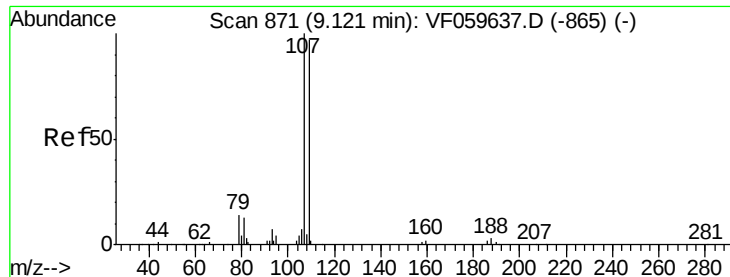
Tgt Ion: 43 Resp: 296623
Ion Ratio Lower Upper
43 100
58 47.5 23.6 71.0



#60
Dibromochloromethane
Concen: 63.075 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 129 Resp: 175272
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.5

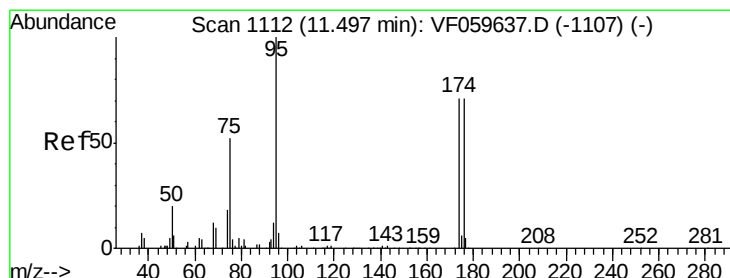
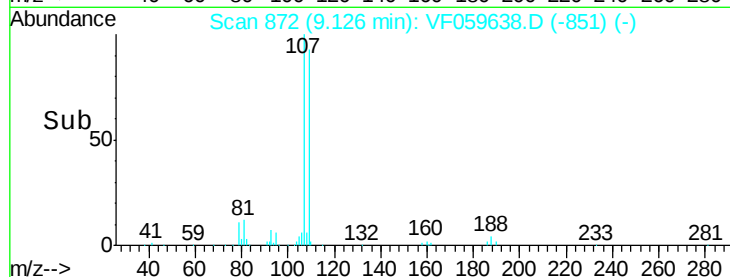
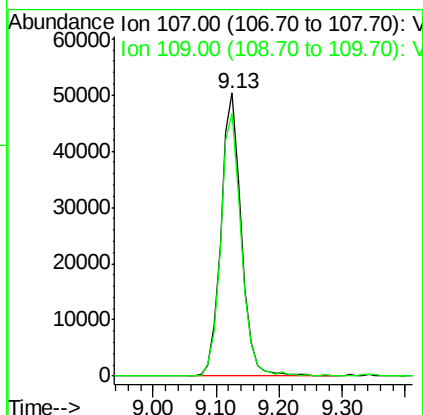
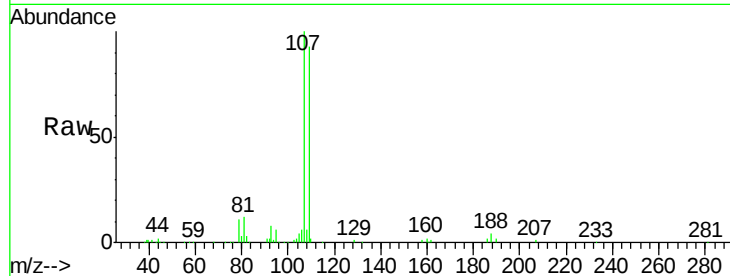




#61
 1,2-Dibromoethane
 Concen: 63.660 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

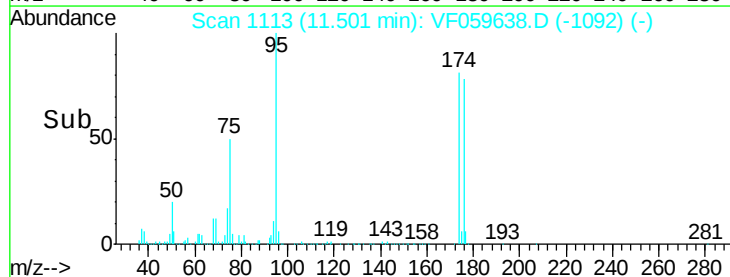
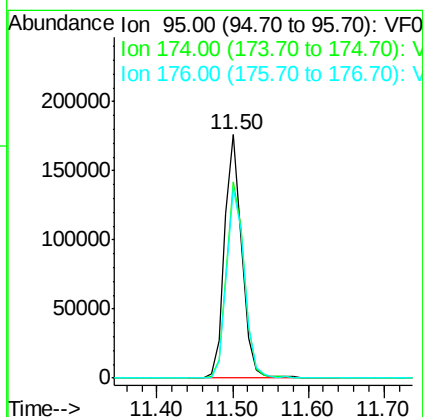
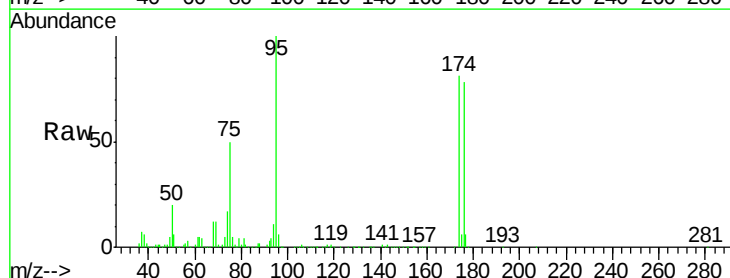
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

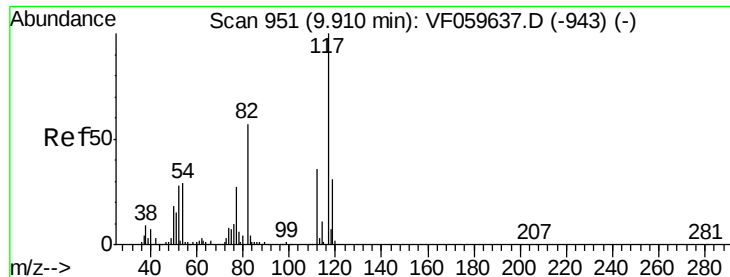
Tgt Ion: 107 Resp: 113384
 Ion Ratio Lower Upper
 107 100
 109 92.8 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 63.615 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion: 95 Resp: 278552
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 141.8
 176 78.2 0.0 142.0

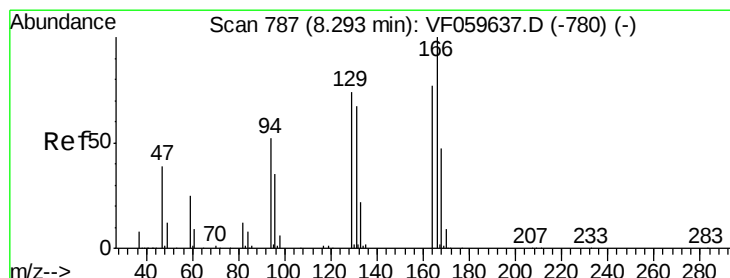
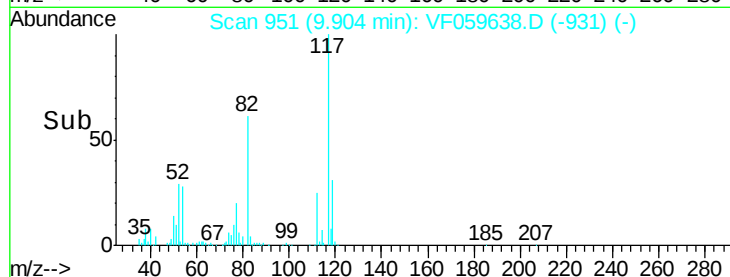
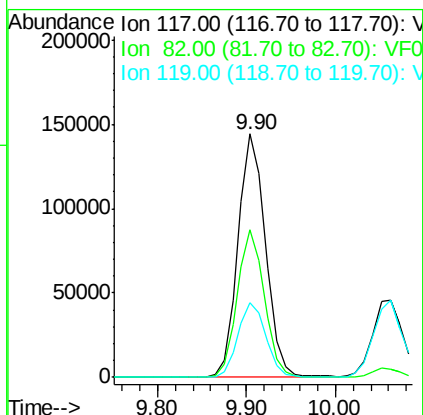
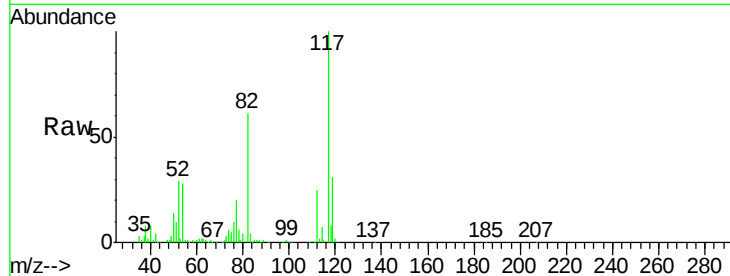




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

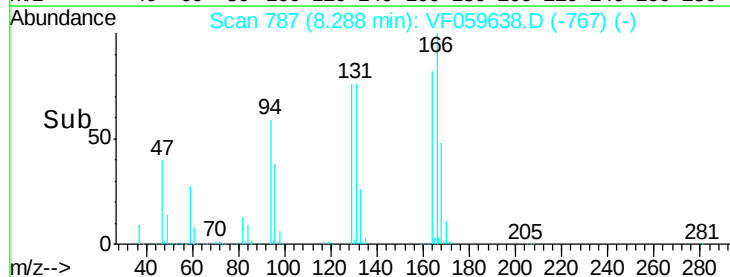
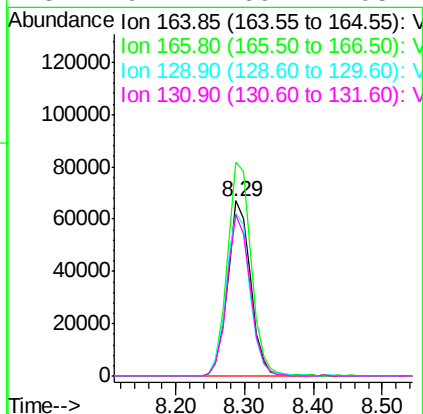
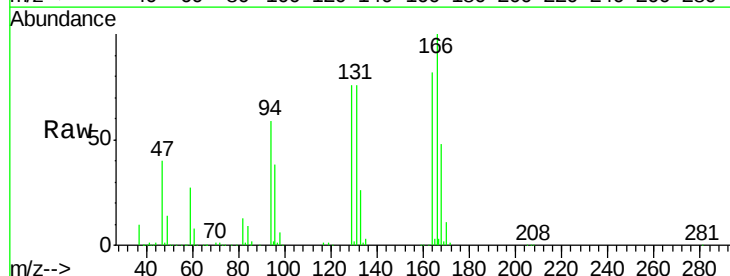
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

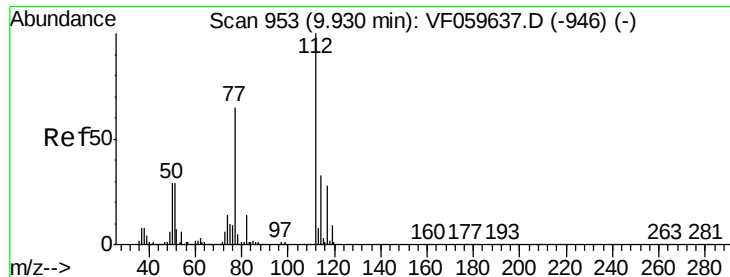
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	45.9	68.9
119	30.9	25.1	37.7



#64
Tetrachloroethene
Concen: 66.298 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	103.3	154.9
129	92.8	76.2	114.2
131	92.4	69.1	103.7

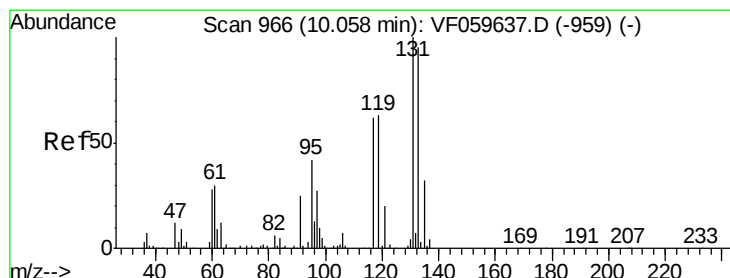
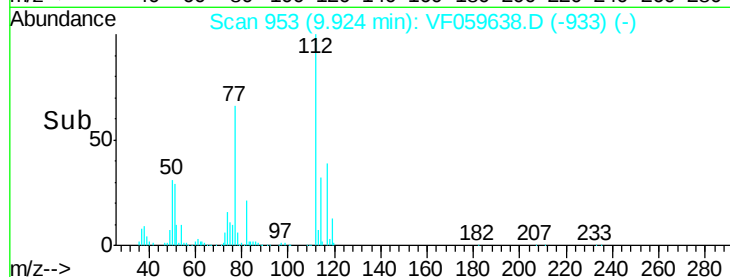
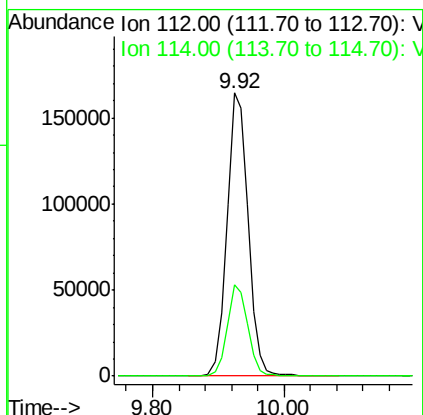
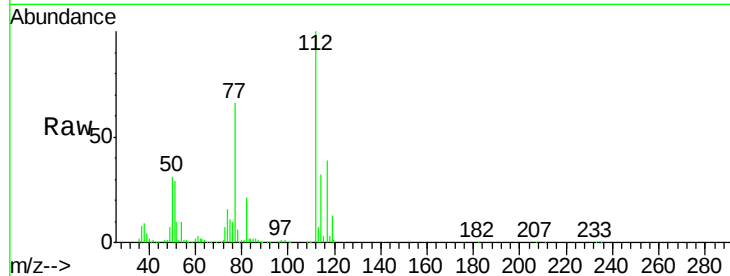




#65
Chlorobenzene
Concen: 65.409 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

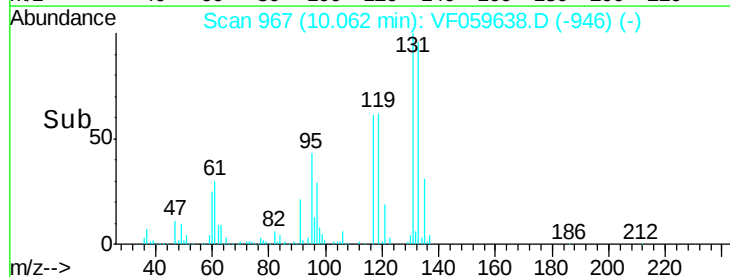
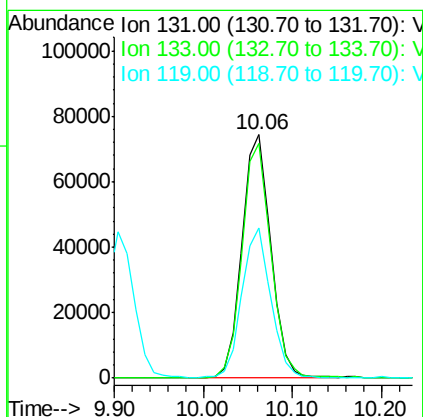
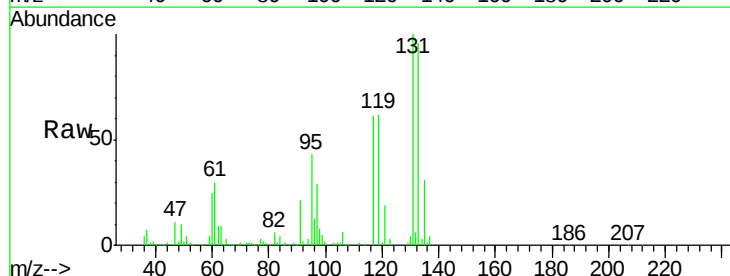
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

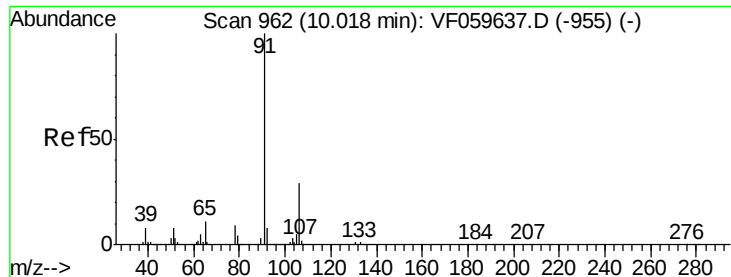
Tgt Ion:112 Resp: 371025
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 64.558 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion:131 Resp: 166844
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 61.9 31.8 95.4

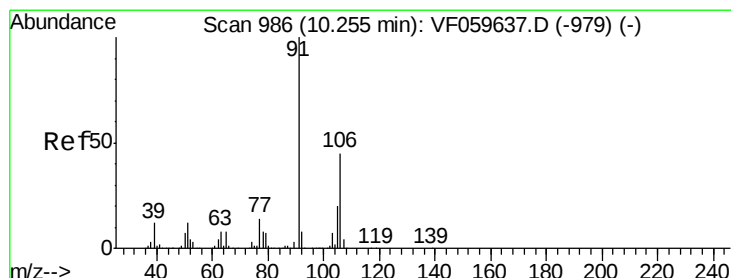
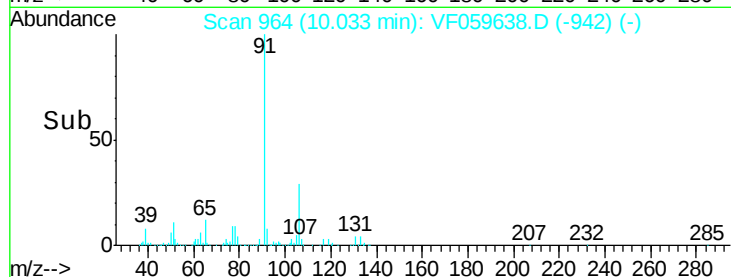
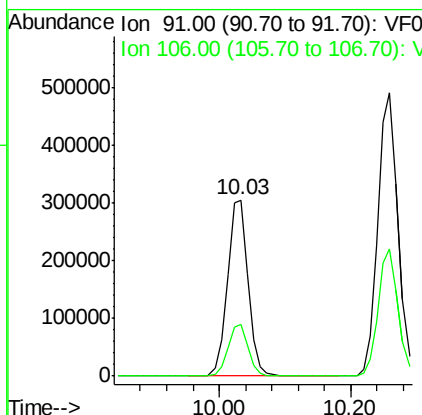
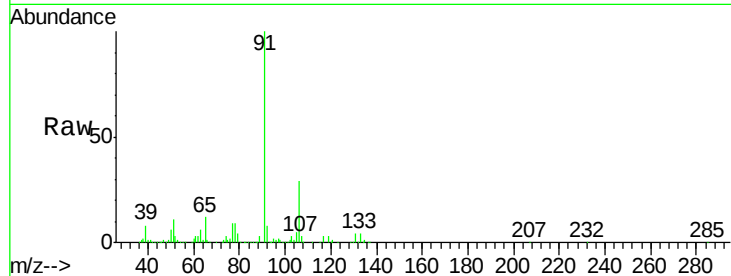




#67
Ethyl Benzene
Concen: 65.325 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

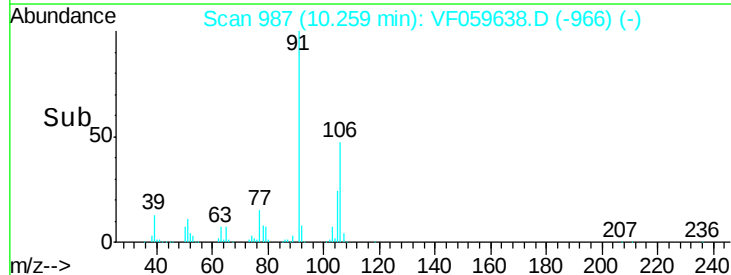
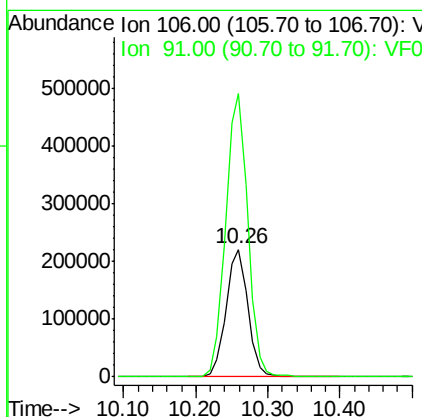
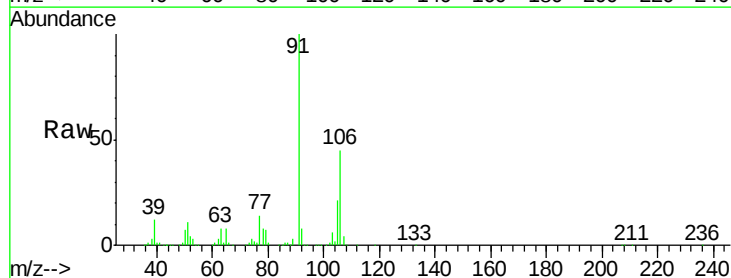
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

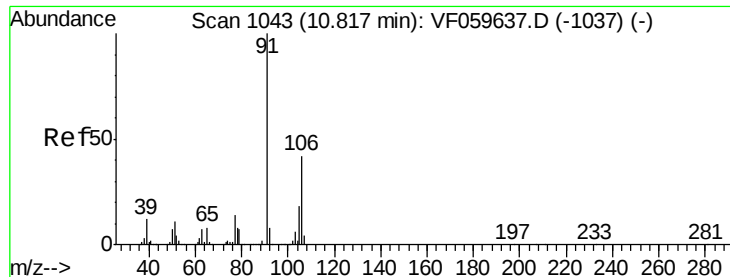
Tgt Ion: 91 Resp: 671097
Ion Ratio Lower Upper
91 100
106 29.4 23.4 35.0



#68
m/p-Xylenes
Concen: 129.862 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion: 106 Resp: 462853
Ion Ratio Lower Upper
106 100
91 222.2 177.8 266.8

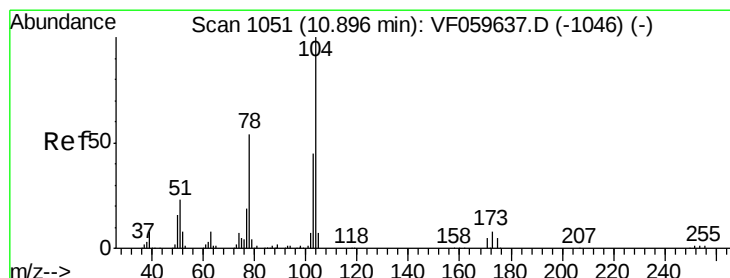
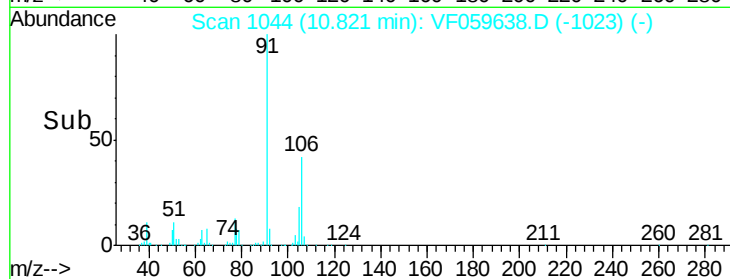
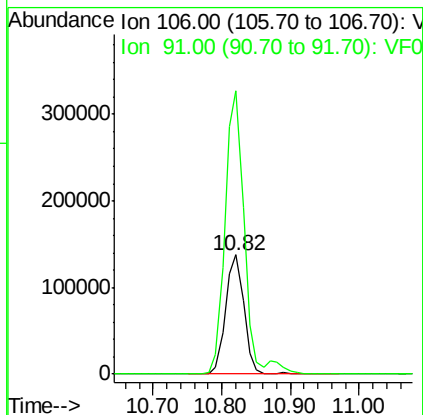
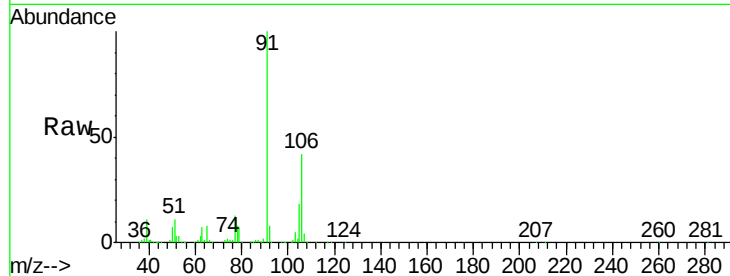




#69
o-Xylene
Concen: 66.848 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

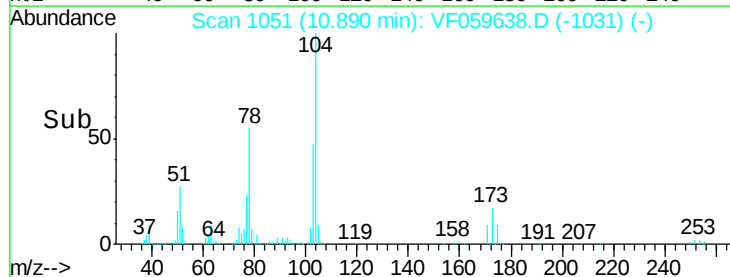
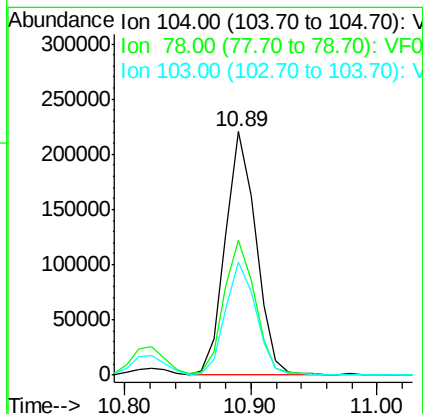
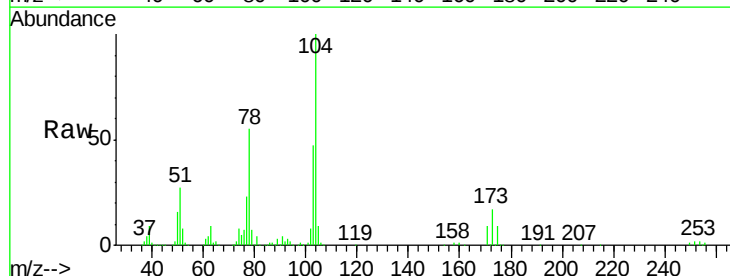
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

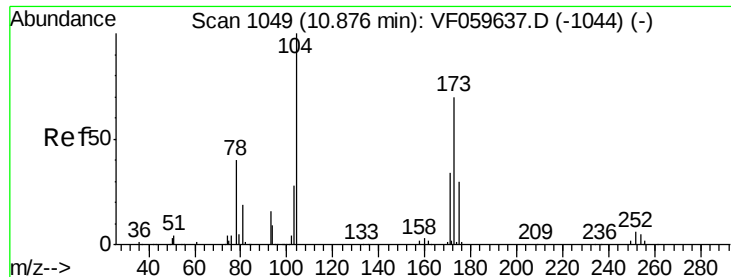
Tgt Ion:106 Resp: 256937
Ion Ratio Lower Upper
106 100
91 237.5 119.3 357.9



#70
Styrene
Concen: 64.659 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion:104 Resp: 370226
Ion Ratio Lower Upper
104 100
78 55.3 43.4 65.2
103 46.6 36.7 55.1





#71

Bromoform

Concen: 63.315 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

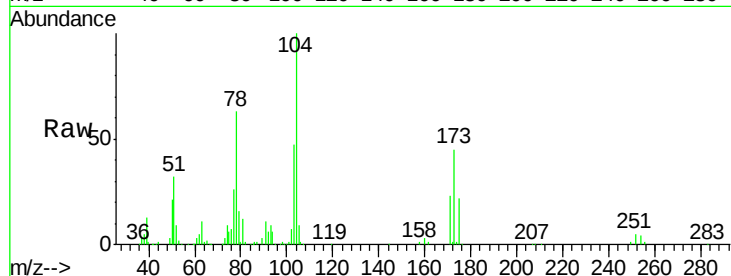
Tgt Ion:173 Resp: 100448

Ion Ratio Lower Upper

173 100

175 47.1 21.6 65.0

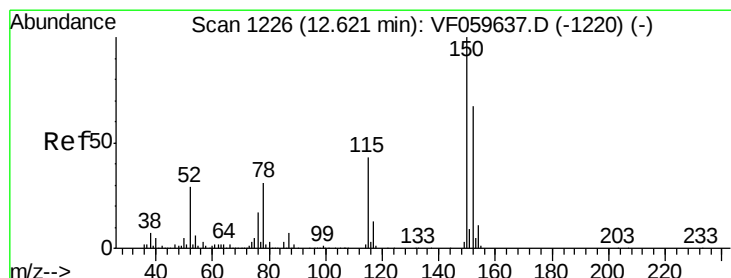
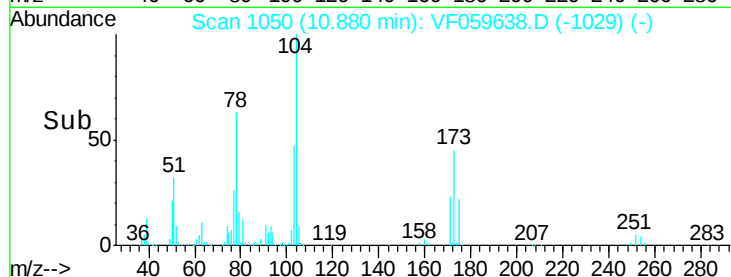
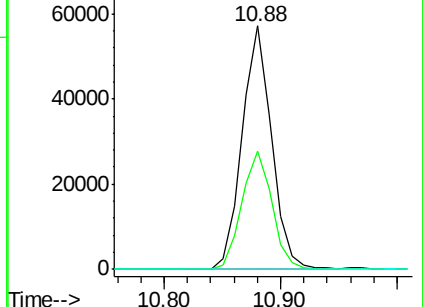
254 0.0 0.0 0.0



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: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

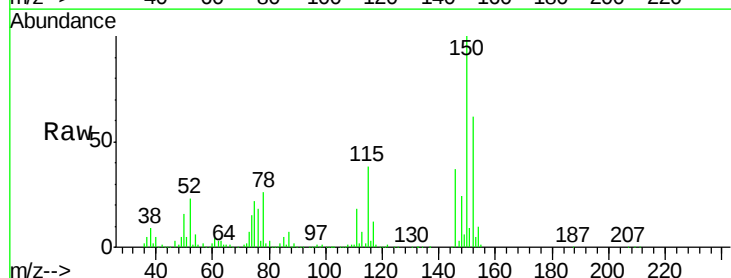
Tgt Ion:152 Resp: 196717

Ion Ratio Lower Upper

152 100

115 61.1 32.0 96.2

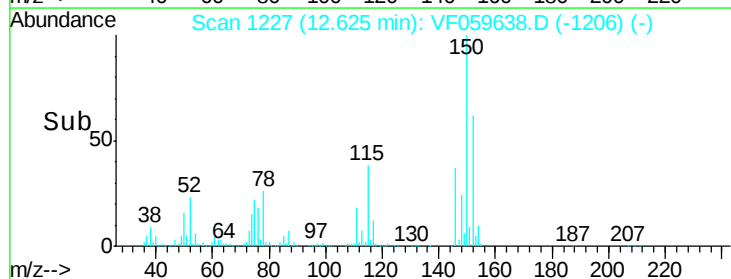
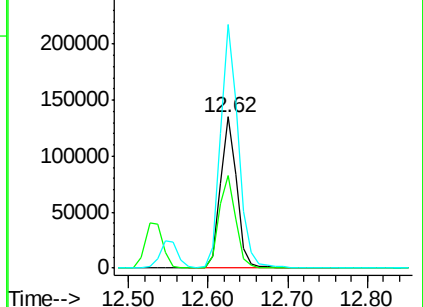
150 161.3 0.0 313.2

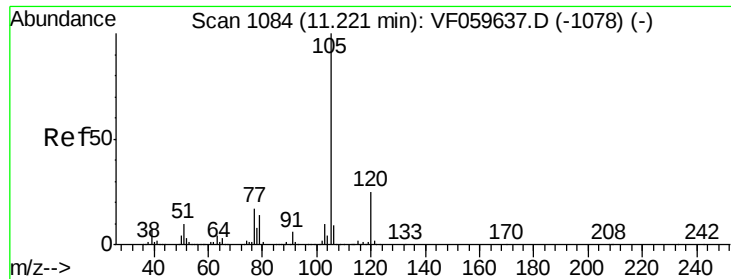


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 64.842 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

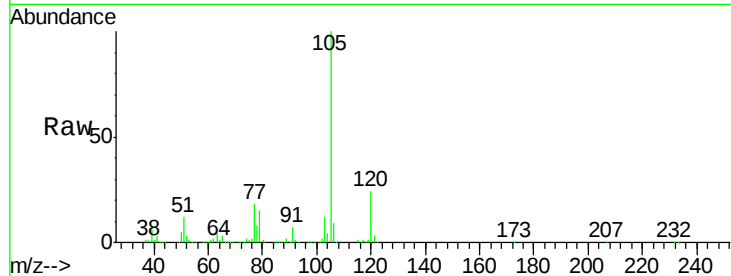
VSTDIC075

Tgt Ion: 105 Resp: 808652

Ion Ratio Lower Upper

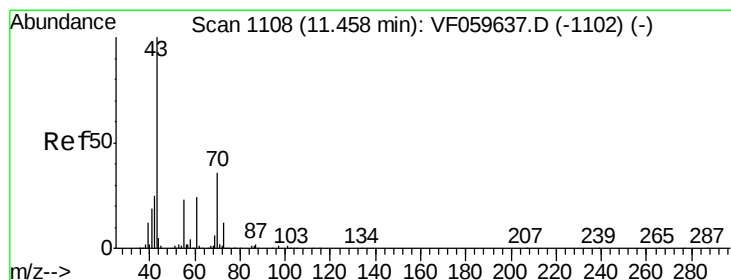
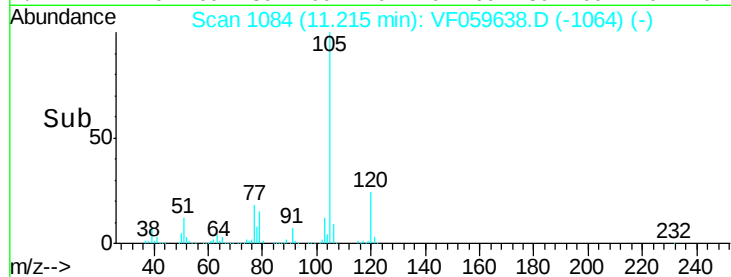
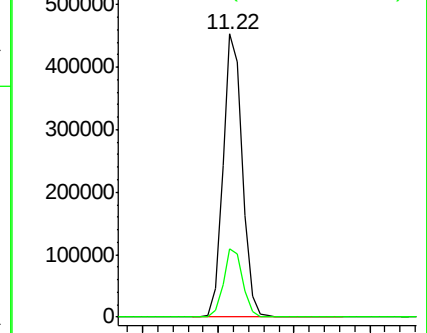
105 100

120 24.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 71.077 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Tgt Ion: 43 Resp: 194704

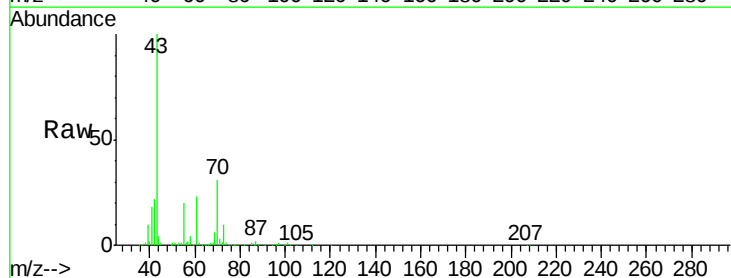
Ion Ratio Lower Upper

43 100

70 30.6 29.4 44.0

55 20.1 18.2 27.4

61 23.0 18.9 28.3

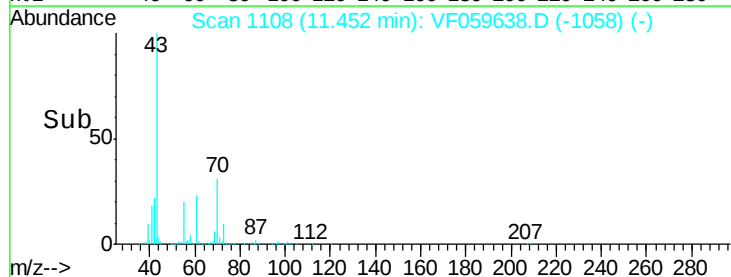
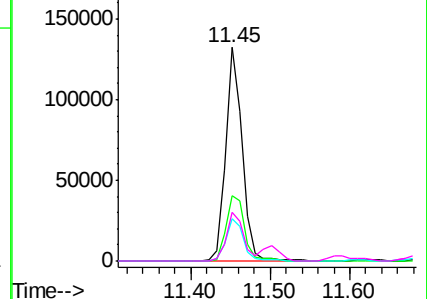


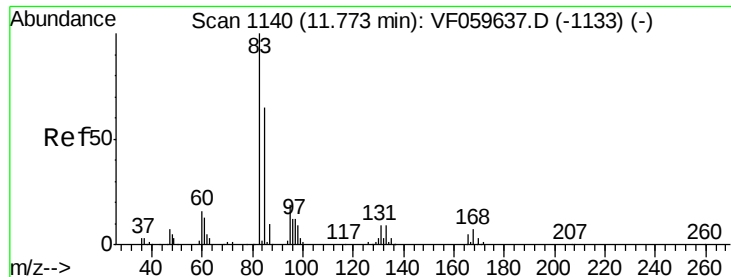
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 63.153 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

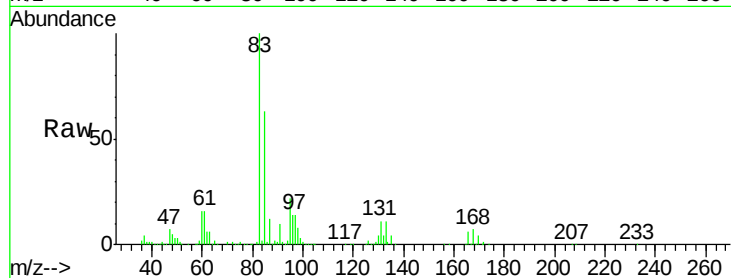
Tgt Ion: 83 Resp: 130193

Ion Ratio Lower Upper

83 100

131 10.5 4.5 13.5

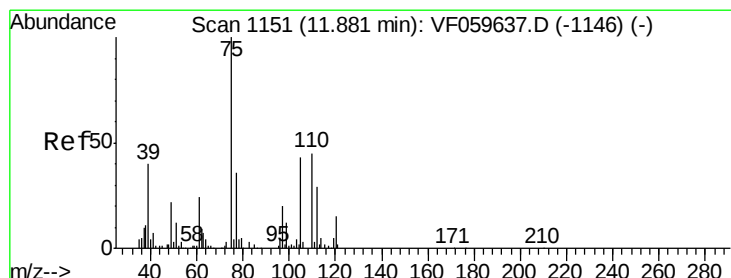
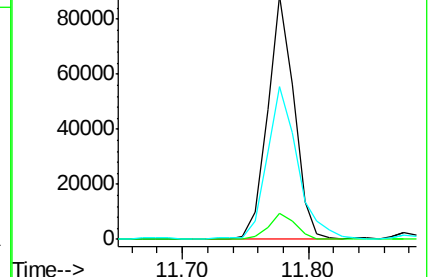
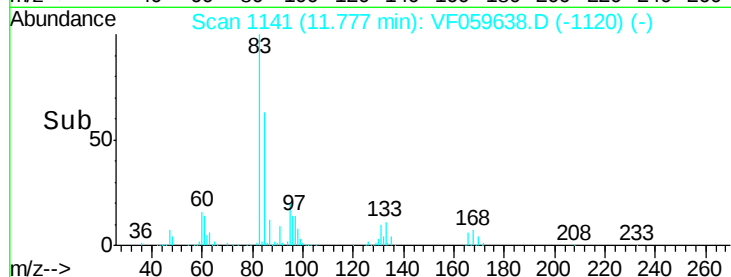
85 62.8 32.6 97.7



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: 60.142 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059638.D

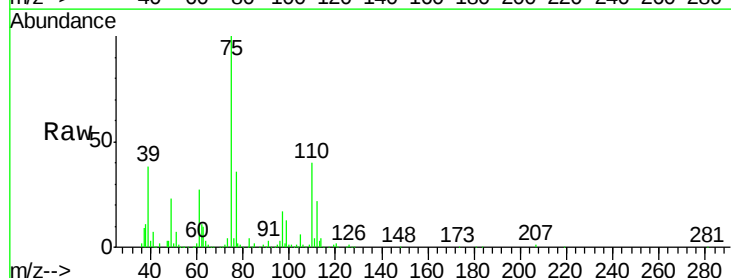
Acq: 24 Jul 2018 17:58

Tgt Ion: 75 Resp: 108589

Ion Ratio Lower Upper

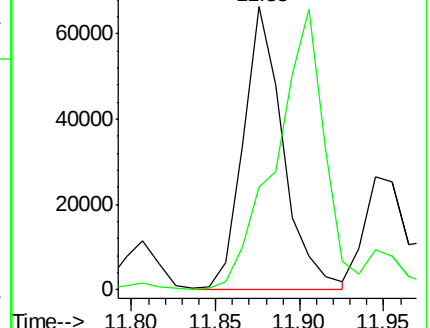
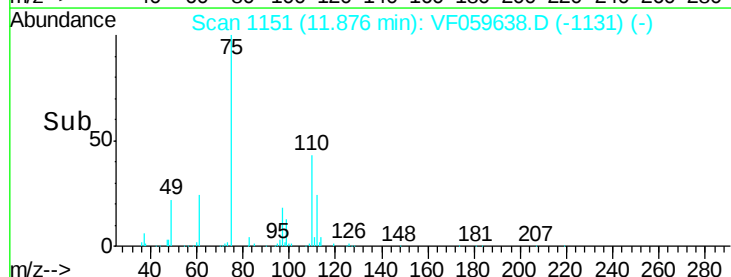
75 100

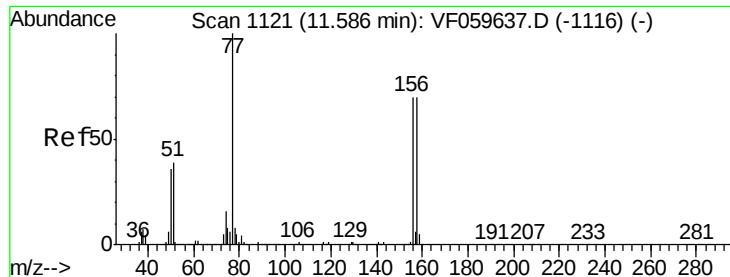
77 36.4 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 60.822 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

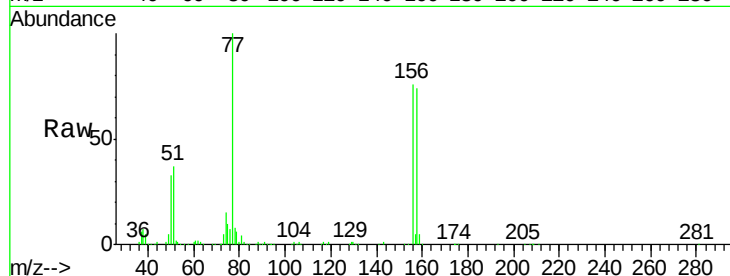
Tgt Ion:156 Resp: 193469

Ion Ratio Lower Upper

156 100

77 132.4 71.5 214.3

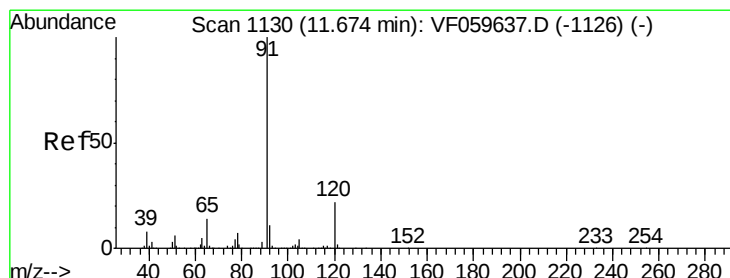
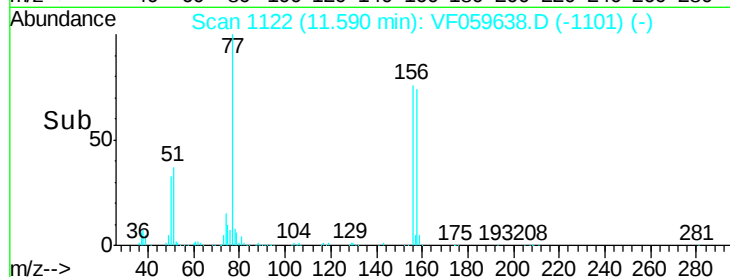
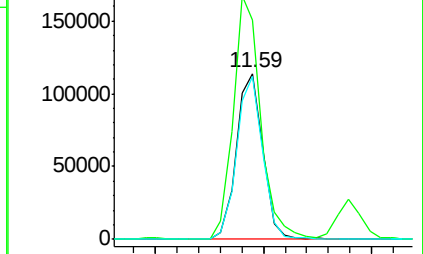
158 98.1 50.0 149.8



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: 60.185 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059638.D

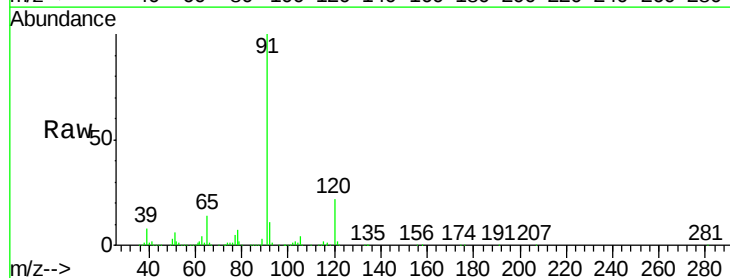
Acq: 24 Jul 2018 17:58

Tgt Ion: 91 Resp: 895382

Ion Ratio Lower Upper

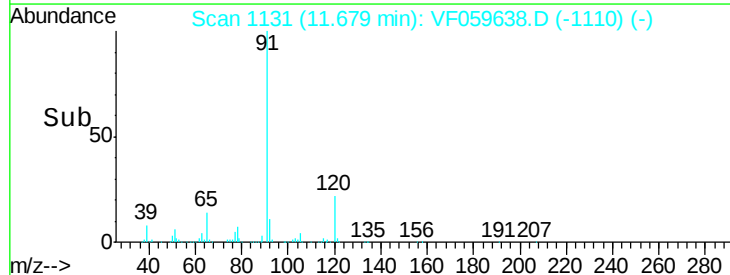
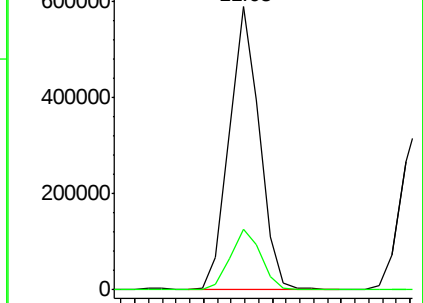
91 100

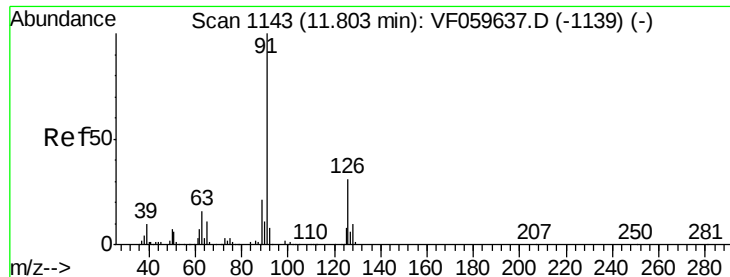
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 62.531 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

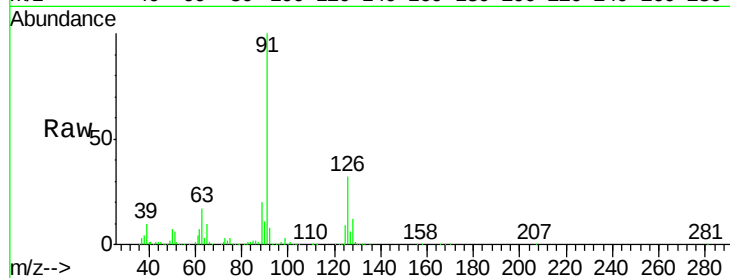
VSTDIC075

Tgt Ion: 91 Resp: 559419

Ion Ratio Lower Upper

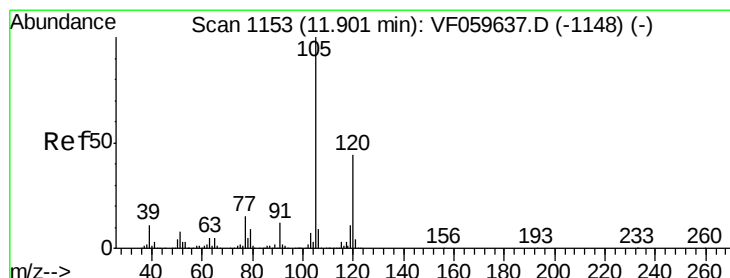
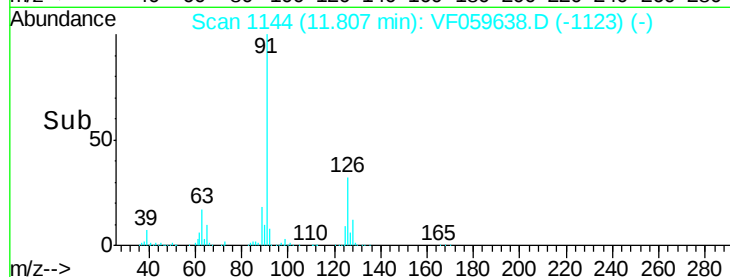
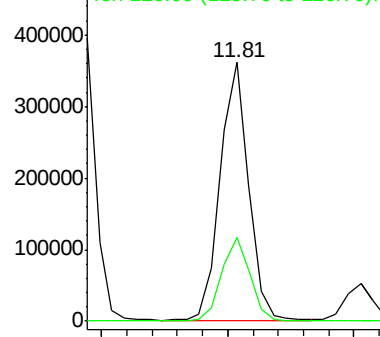
91 100

126 32.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 63.293 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059638.D

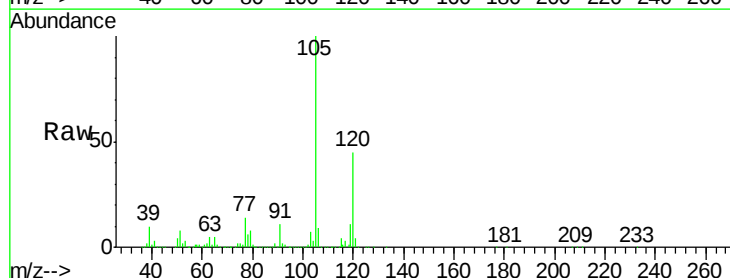
Acq: 24 Jul 2018 17:58

Tgt Ion: 105 Resp: 708378

Ion Ratio Lower Upper

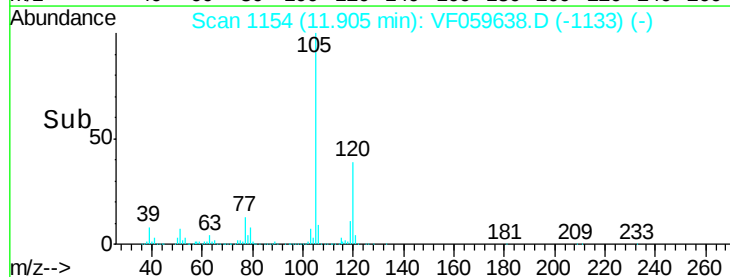
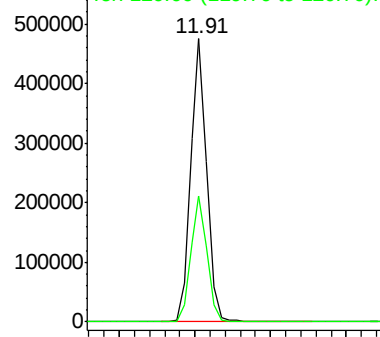
105 100

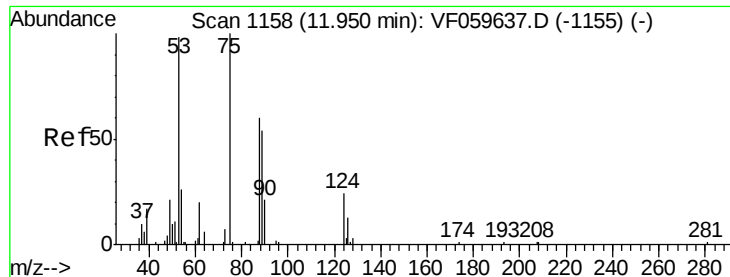
120 44.7 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 84.235 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

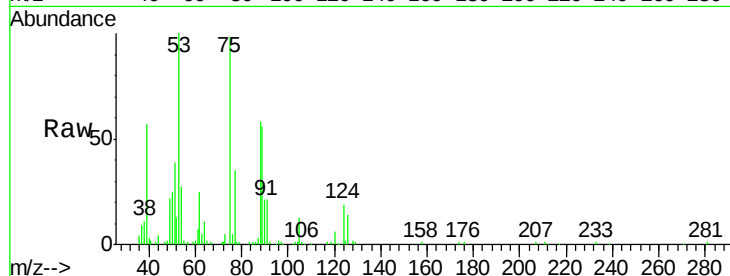
Tgt Ion: 75 Resp: 62960

Ion Ratio Lower Upper

75 100

53 101.8 82.3 123.5

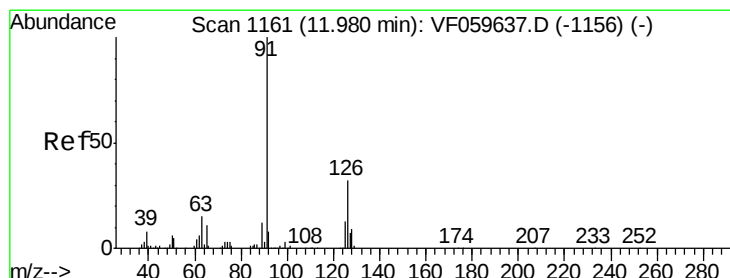
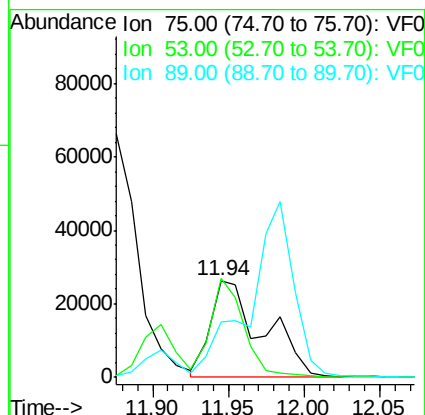
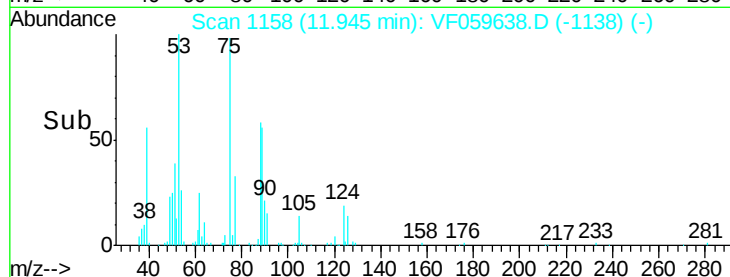
89 56.6 48.2 72.2



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: 60.533 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059638.D

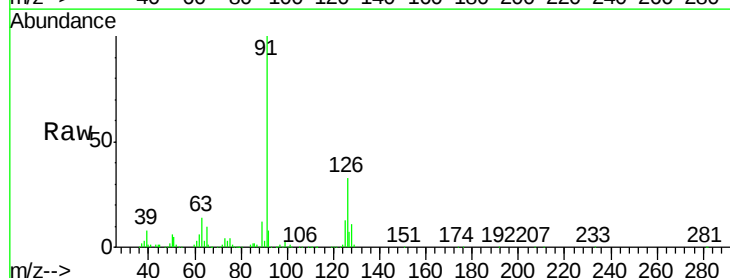
Acq: 24 Jul 2018 17:58

Tgt Ion: 91 Resp: 600158

Ion Ratio Lower Upper

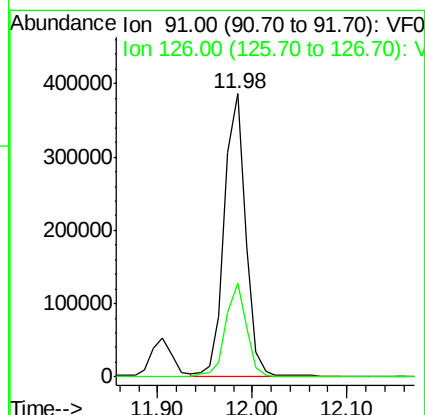
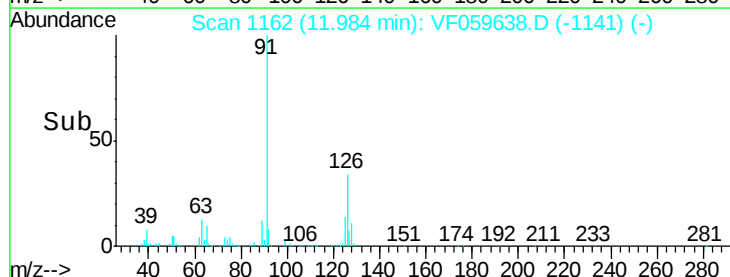
91 100

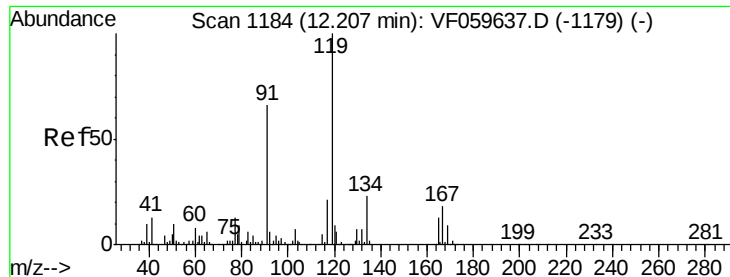
126 33.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

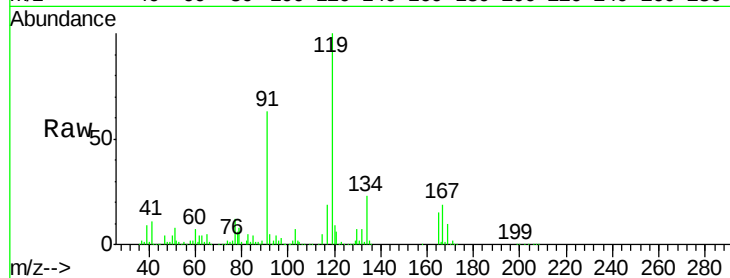




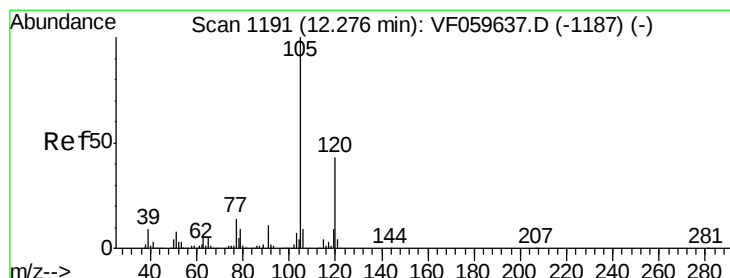
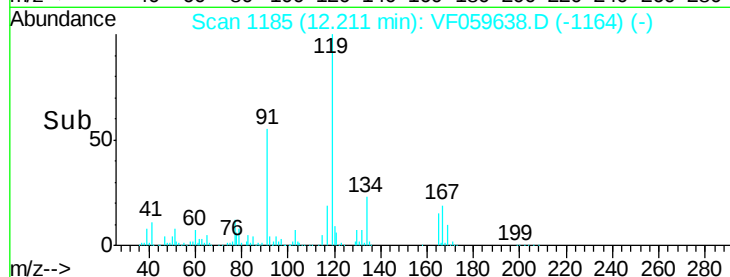
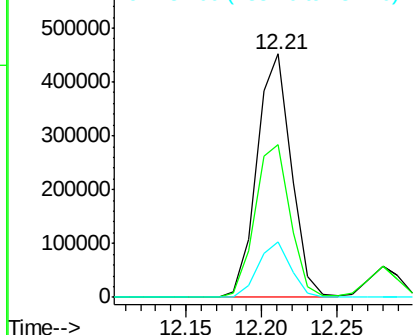
#83
 tert-Butylbenzene
 Concen: 64.842 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 716764
 Ion Ratio Lower Upper
 119 100
 91 62.6 33.2 99.6
 134 22.7 11.5 34.4

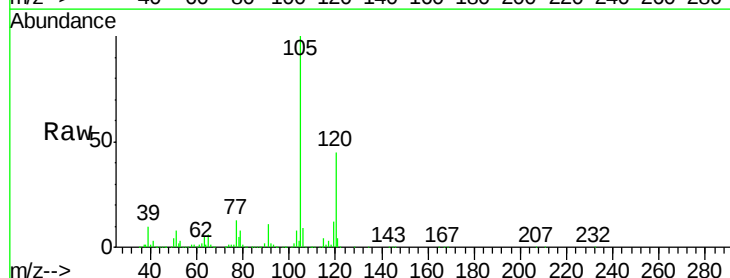


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

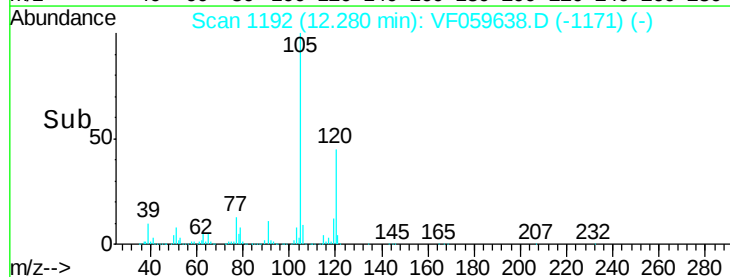
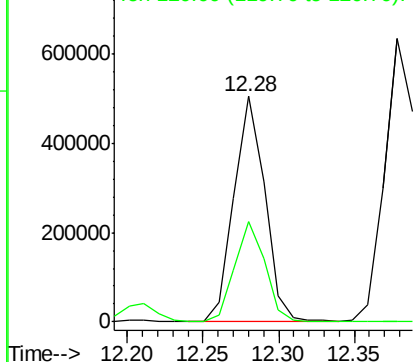


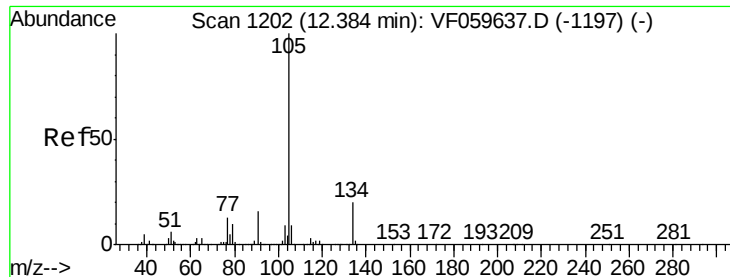
#84
 1,2,4-Trimethylbenzene
 Concen: 63.342 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion:105 Resp: 718065
 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

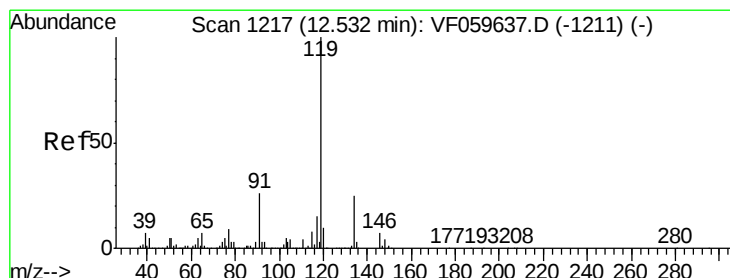
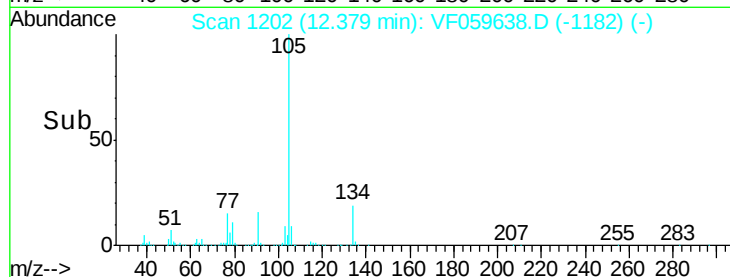
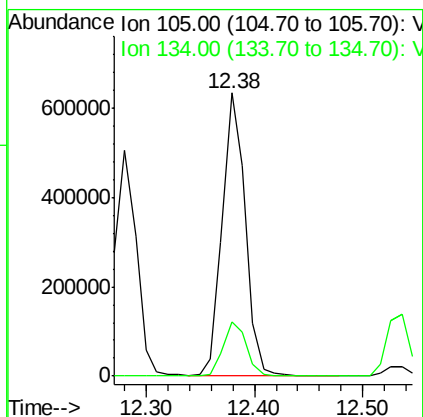
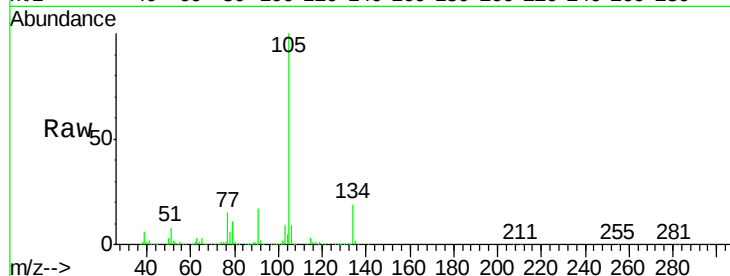




#85
 sec-Butylbenzene
 Concen: 65.421 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

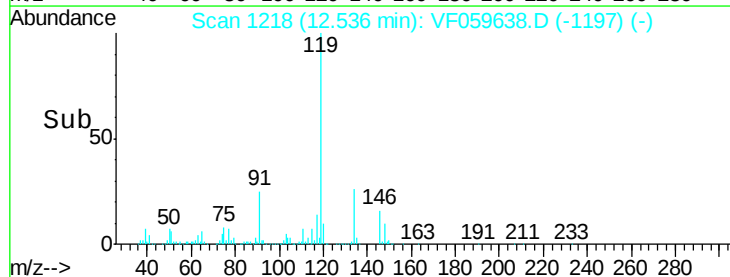
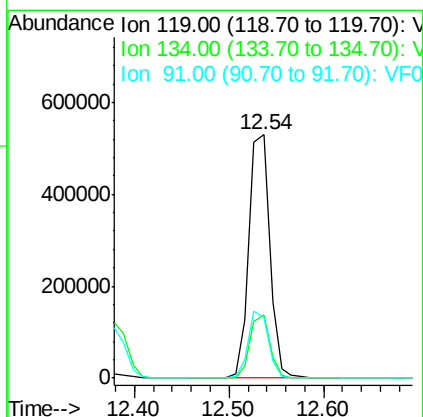
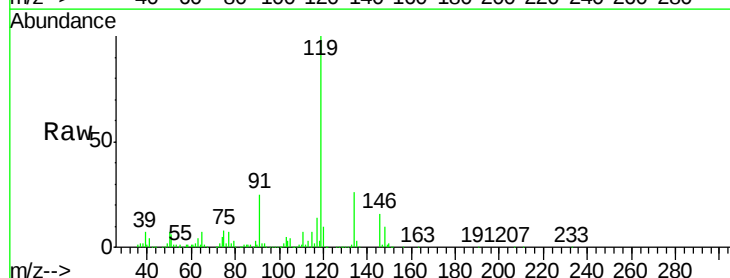
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

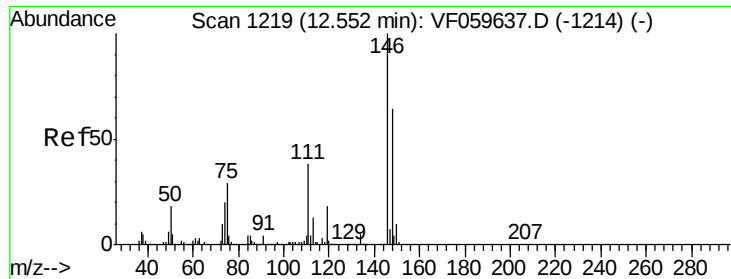
Tgt Ion:105 Resp: 938869
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 65.034 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion:119 Resp: 817004
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.4 37.0
 91 24.9 13.1 39.1

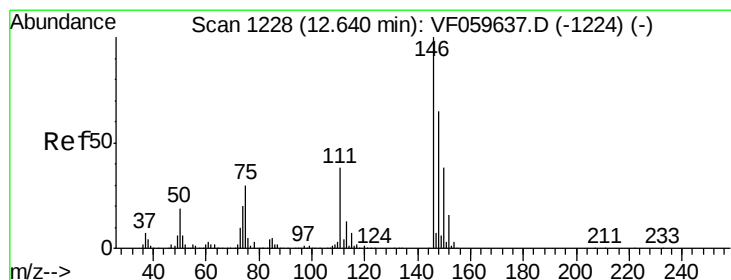
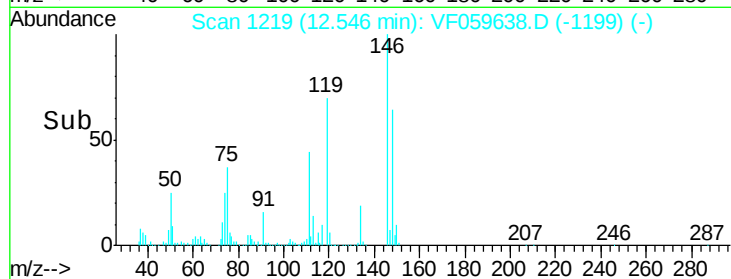
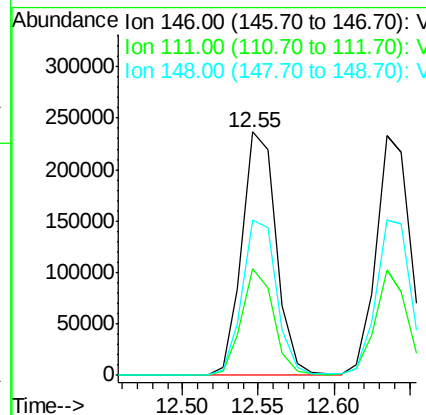
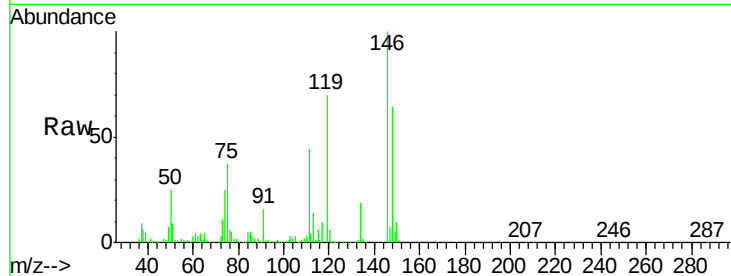




#87
 1,3-Dichlorobenzene
 Concen: 60.764 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

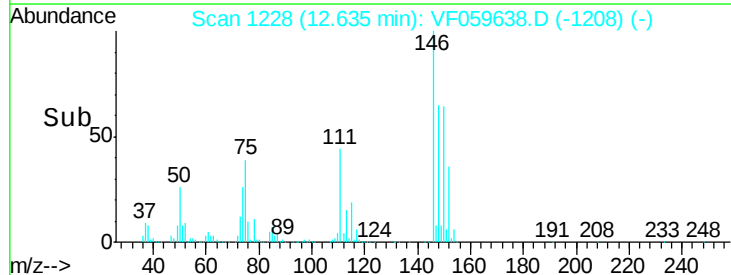
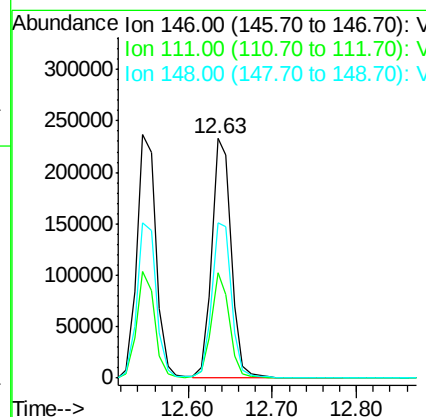
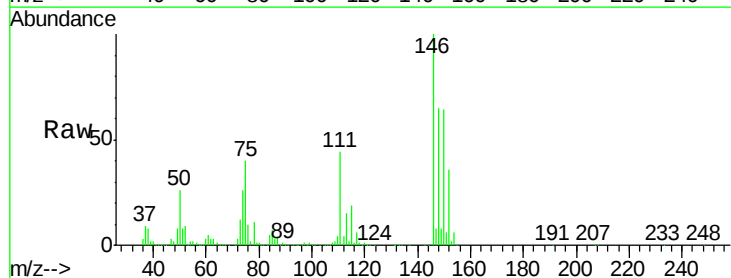
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

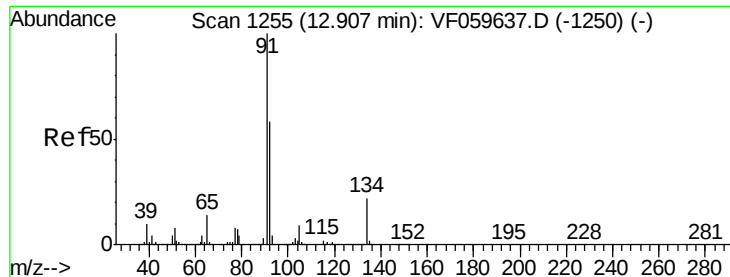
Tgt Ion:146 Resp: 375392
 Ion Ratio Lower Upper
 146 100
 111 43.8 19.1 57.1
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 65.295 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion:146 Resp: 376050
 Ion Ratio Lower Upper
 146 100
 111 44.0 19.1 57.1
 148 64.9 32.4 97.2





#89

n-Butylbenzene

Concen: 66.020 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059638.D

Acq: 24 Jul 2018 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

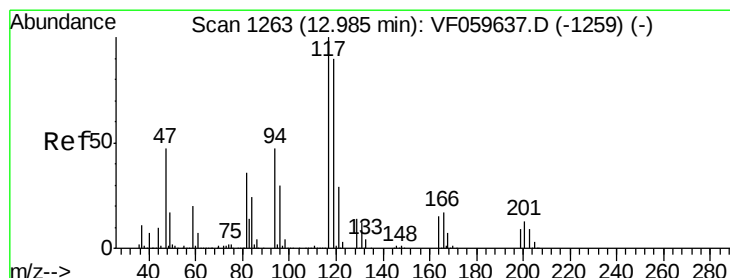
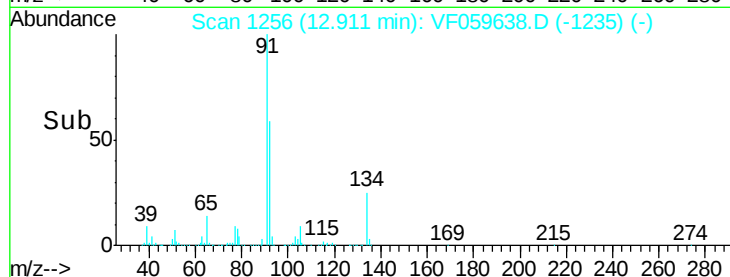
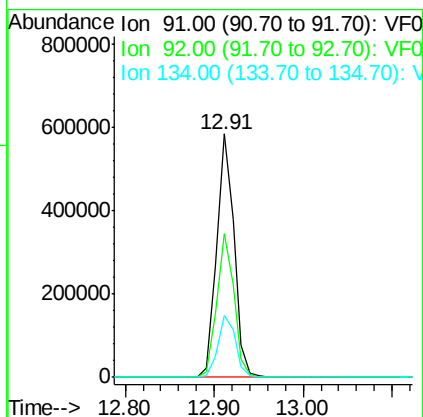
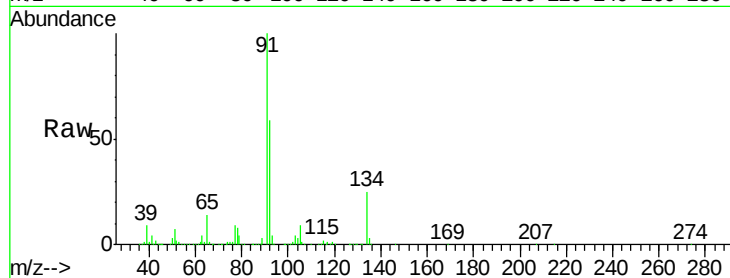
Tgt Ion: 91 Resp: 796755

Ion Ratio Lower Upper

91 100

92 59.1 29.1 87.3

134 25.4 11.2 33.6



#90

Hexachloroethane

Concen: 63.172 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059638.D

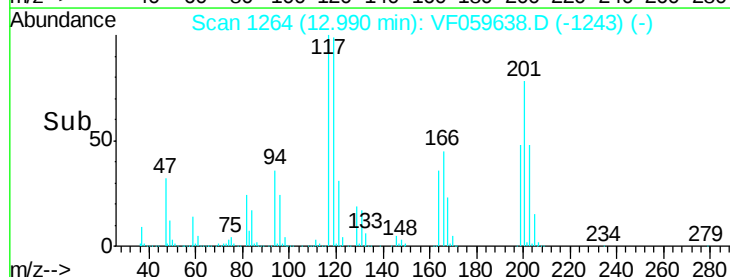
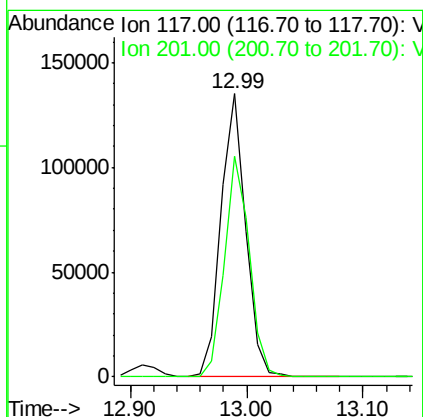
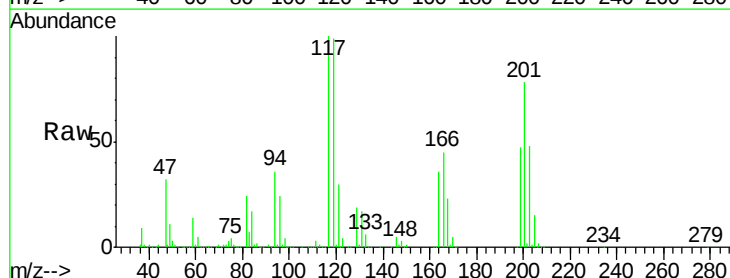
Acq: 24 Jul 2018 17:58

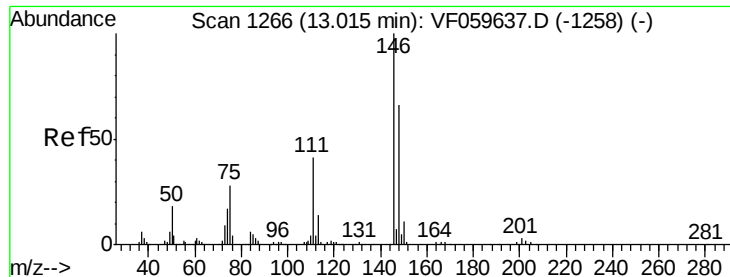
Tgt Ion: 117 Resp: 198120

Ion Ratio Lower Upper

117 100

201 78.1 6.6 19.7#

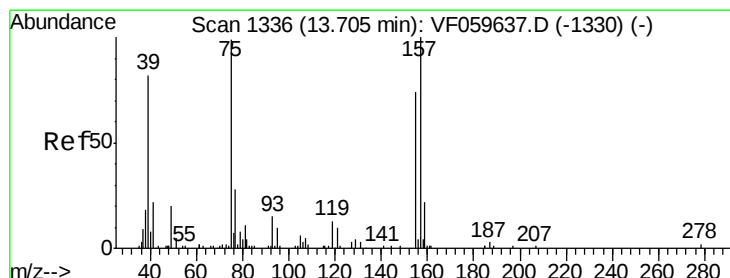
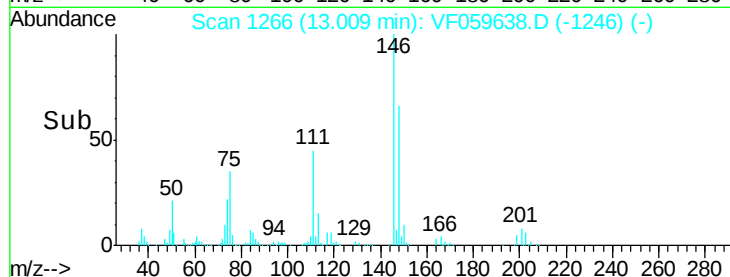
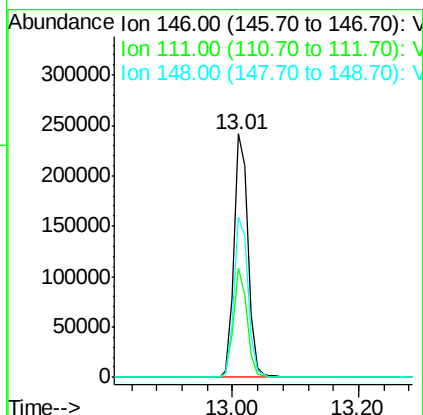
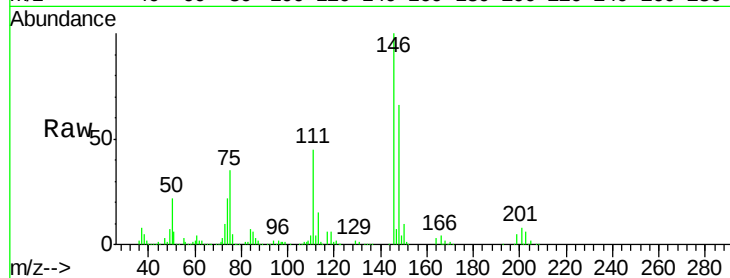




#91
 1,2-Dichlorobenzene
 Concen: 62.979 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

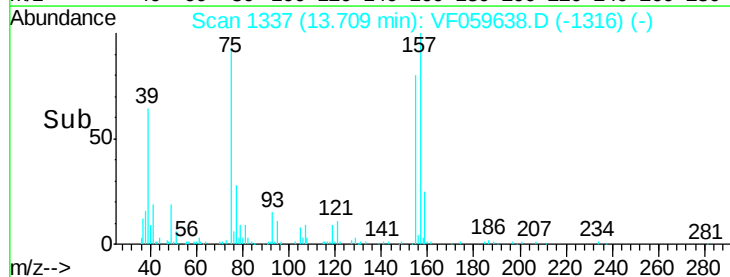
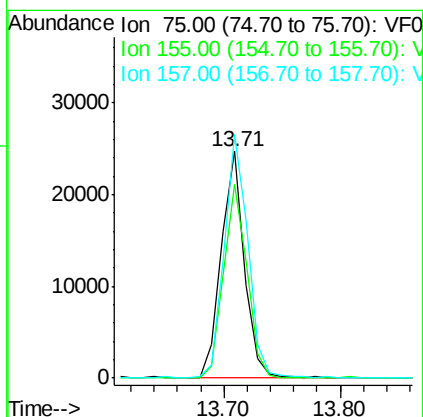
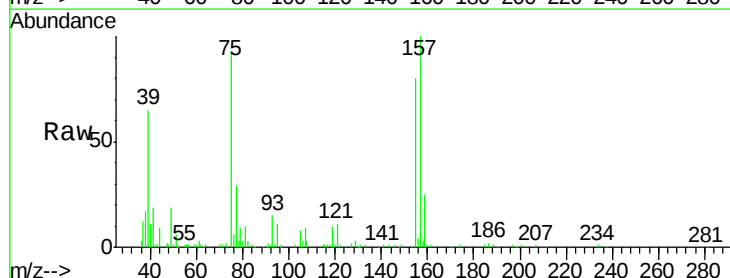
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

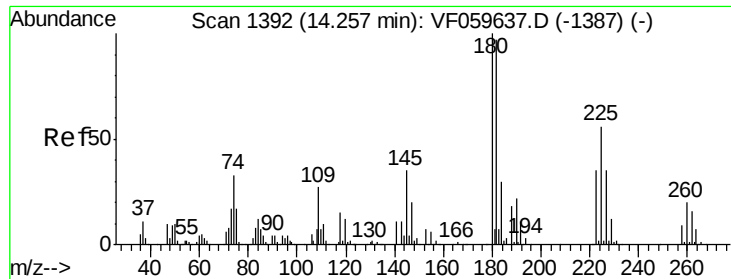
Tgt Ion: 146 Resp: 366064
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.3 61.0
 148 66.0 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.813 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion: 75 Resp: 34011
 Ion Ratio Lower Upper
 75 100
 155 85.5 37.5 112.7
 157 107.5 50.6 151.9

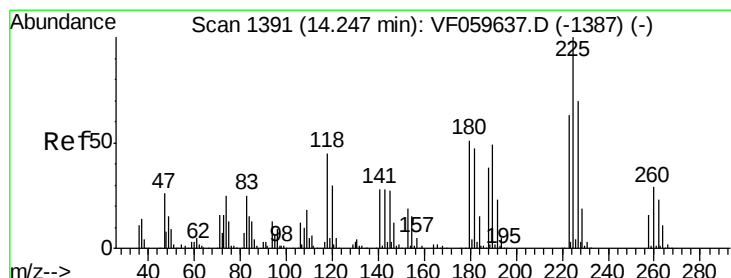
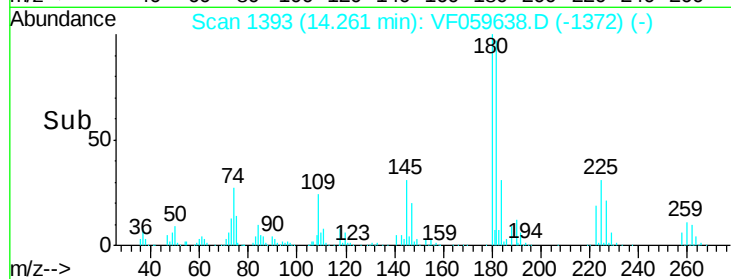
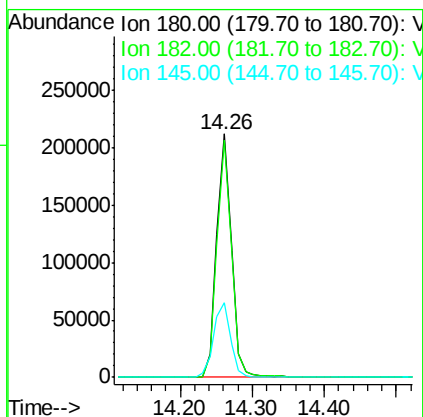
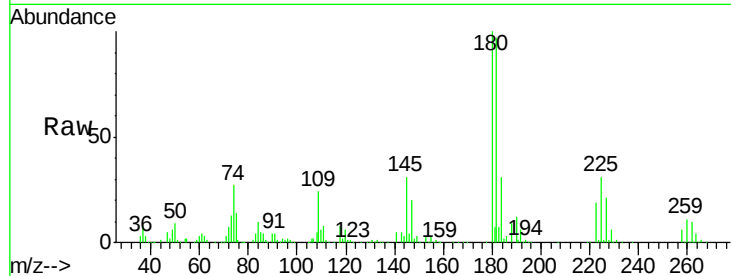




#93
 1,2,4-Trichlorobenzene
 Concen: 68.659 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

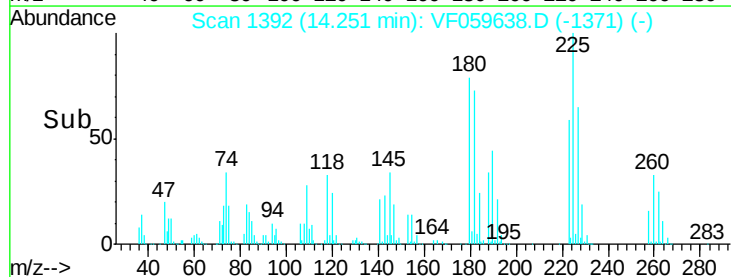
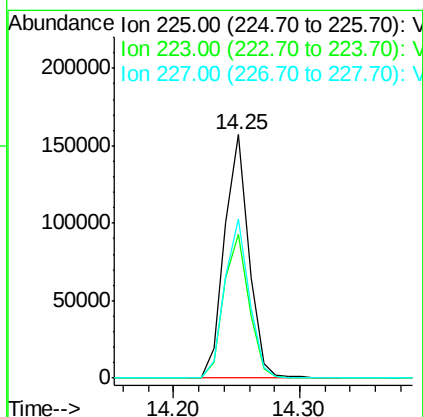
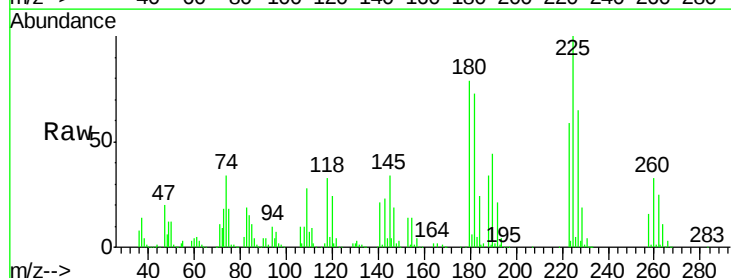
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

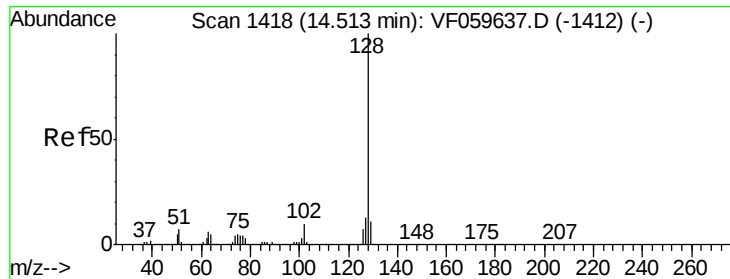
Tgt Ion:180 Resp: 298212
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.5 145.6
 145 30.8 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 69.267 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059638.D
 Acq: 24 Jul 2018 17:58

Tgt Ion:225 Resp: 209997
 Ion Ratio Lower Upper
 225 100
 223 59.0 33.3 99.8
 227 65.1 34.8 104.4

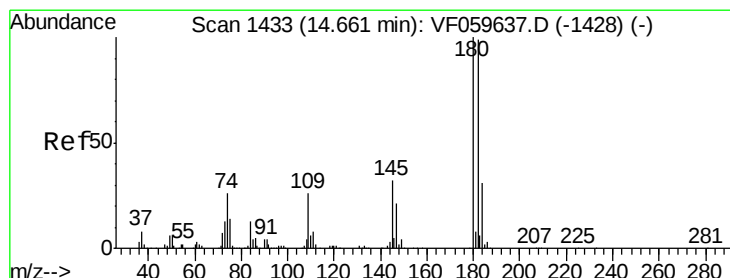
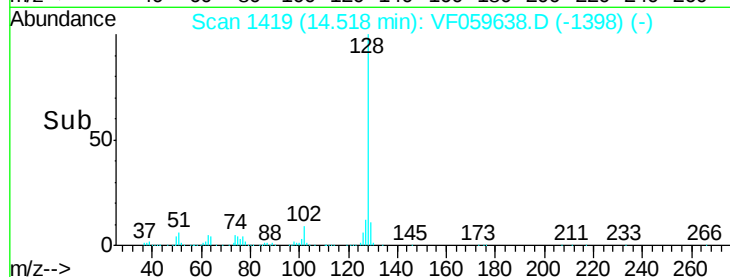
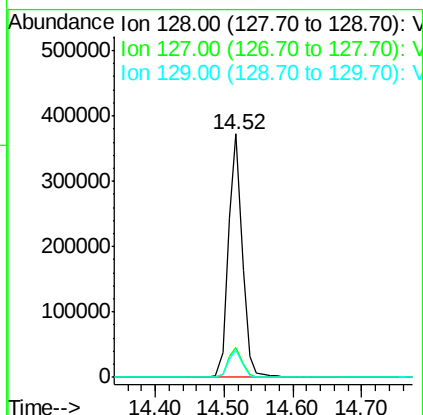
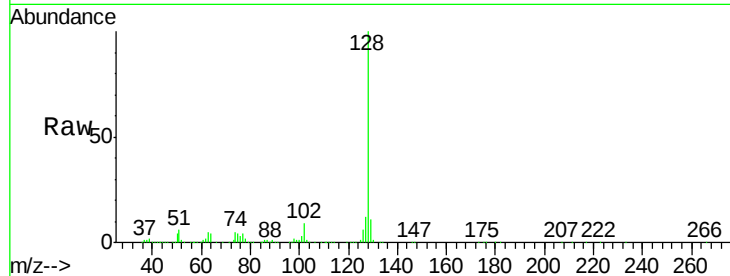




#95
Naphthalene
Concen: 73.899 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 517410
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 11.1 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 70.373 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059638.D
Acq: 24 Jul 2018 17:58

Tgt Ion:180 Resp: 277124
Ion Ratio Lower Upper
180 100
182 96.6 49.5 148.5
145 30.4 16.0 48.0

