

Data File : VF059973.D
Acq On : 16 Aug 2018 21:31
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: Aug 17 04:43:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 04:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	121906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	177656	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	191856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	127794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	261888	117.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.82%	
35) Dibromofluoromethane	4.30	113	177952	98.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.14%	
50) Toluene-d8	7.71	98	407262	103.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.34%	
62) 4-Bromofluorobenzene	11.52	95	241538	108.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	194665	105.739	ug/l	100
3) Chloromethane	1.08	50	86495	110.161	ug/l	99
4) Vinyl Chloride	1.12	62	117218	126.120	ug/l	95
5) Bromomethane	1.31	94	105291	125.207	ug/l	98
6) Chloroethane	1.38	64	60180	102.353	ug/l	99
7) Trichlorofluoromethane	1.47	101	175800	66.578	ug/l	100
8) Diethyl Ether	1.71	74	58850	148.677	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	153225	112.085	ug/l	93
10) Methyl Iodide	1.93	142	216347	105.995	ug/l	93
11) Tert butyl alcohol	2.70	59	101743	992.066	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	114491	116.184	ug/l	92
13) Acrolein	2.09	56	53307	1001.134	ug/l	94
14) Allyl chloride	2.19	41	180023	122.482	ug/l	97
15) Acrylonitrile	3.08	53	163406	1028.713	ug/l	97
16) Acetone	2.34	43	433630	849.134	ug/l	99
17) Carbon Disulfide	1.84	76	340322	127.911	ug/l	99
18) Methyl Acetate	2.46	43	174754	219.835	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	448816	148.190	ug/l	99
20) Methylene Chloride	2.28	84	123014	107.236	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	115967	118.629	ug/l	98
22) Diisopropyl ether	2.93	45	450437	133.263	ug/l	97
23) Vinyl Acetate	3.33	43	1072003	657.757	ug/l	100
24) 1,1-Dichloroethane	3.00	63	275851	116.847	ug/l	100
25) 2-Butanone	4.52	43	364064	758.881	ug/l	98
26) 2,2-Dichloropropane	3.76	77	259615	157.852	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	111231	106.084	ug/l	97
28) Bromochloromethane	3.90	49	82737	99.911	ug/l	94
29) Tetrahydrofuran	4.26	42	133292	791.170	ug/l	96
30) Chloroform	4.03	83	321101	103.166	ug/l	97
31) Cyclohexane	3.86	56	118455	106.412	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	304558	115.705	ug/l	99
36) 1,1-Dichloropropene	4.46	75	182778	92.874	ug/l	98
37) Ethyl Acetate	4.29	43	147462	153.518	ug/l #	98
38) Carbon Tetrachloride	4.16	117	269150	84.236	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	145345	101.800	ug/l #	89
40) Benzene	4.81	78	335144	101.321	ug/l	97
41) Methacrylonitrile	4.92	41	69524	152.050	ug/l	95
42) 1,2-Dichloroethane	5.12	62	306212	112.533	ug/l	100
43) Isopropyl Acetate	7.11	43	174417	166.248	ug/l #	96
44) Trichloroethene	5.67	130	119008	92.799	ug/l	97
45) 1,2-Dichloropropane	6.40	63	95040	105.911	ug/l	98
46) Dibromomethane	6.25	93	113720	125.068	ug/l	93
47) Bromodichloromethane	6.55	83	266434	104.397	ug/l	96
48) Methyl methacrylate	6.87	41	128363	166.579	ug/l	92
49) 1,4-Dioxane	6.86	88	24855	3996.150	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	746491	748.943	ug/l	100
52) Toluene	7.78	92	241957	97.695	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	238158	112.393	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	220459	109.940	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	120553	134.533	ug/l	90
56) Ethyl methacrylate	8.77	69	153617	153.299	ug/l	98
57) 1,3-Dichloropropane	9.00	76	210116	127.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	59560	487.764	ug/l	100
59) 2-Hexanone	9.63	43	613149	818.406	ug/l	97
60) Dibromochloromethane	8.86	129	215975	124.147	ug/l	98
61) 1,2-Dibromoethane	9.14	107	155997	137.570	ug/l	99
64) Tetrachloroethene	8.30	164	137181	92.069	ug/l	99
65) Chlorobenzene	9.95	112	345955	93.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	168233	94.207	ug/l	98
67) Ethyl Benzene	10.05	91	616568	94.030	ug/l	100
68) m/p-Xylenes	10.27	106	425326	192.488	ug/l	95
69) o-Xylene	10.84	106	239948	100.168	ug/l	93
70) Styrene	10.91	104	358637	99.788	ug/l	98
71) Bromoform	10.90	173	149622	126.931	ug/l #	95
73) Isopropylbenzene	11.23	105	738182	93.426	ug/l	100
74) N-amyl acetate	11.47	43	284280	148.441	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	176449	123.336	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	163782	132.027	ug/l	97
77) Bromobenzene	11.60	156	207500	98.327	ug/l	94
78) n-propylbenzene	11.69	91	843370	90.551	ug/l	97
79) 2-Chlorotoluene	11.82	91	545605	93.209	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	642691	87.268	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	92082	177.465	ug/l	99
82) 4-Chlorotoluene	11.99	91	598607	92.400	ug/l	93
83) tert-Butylbenzene	12.22	119	636089	88.241	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	689886	93.185	ug/l	98
85) sec-Butylbenzene	12.39	105	812347	88.571	ug/l	95
86) p-Isopropyltoluene	12.54	119	724839	89.386	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	361872	90.902	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	373683	95.612	ug/l	98
89) n-Butylbenzene	12.93	91	709545	90.420	ug/l	96
90) Hexachloroethane	12.99	117	168548	84.740	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	370487	94.916	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	58600	145.256	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081618\
Quantitation Report (Not Reviewed)

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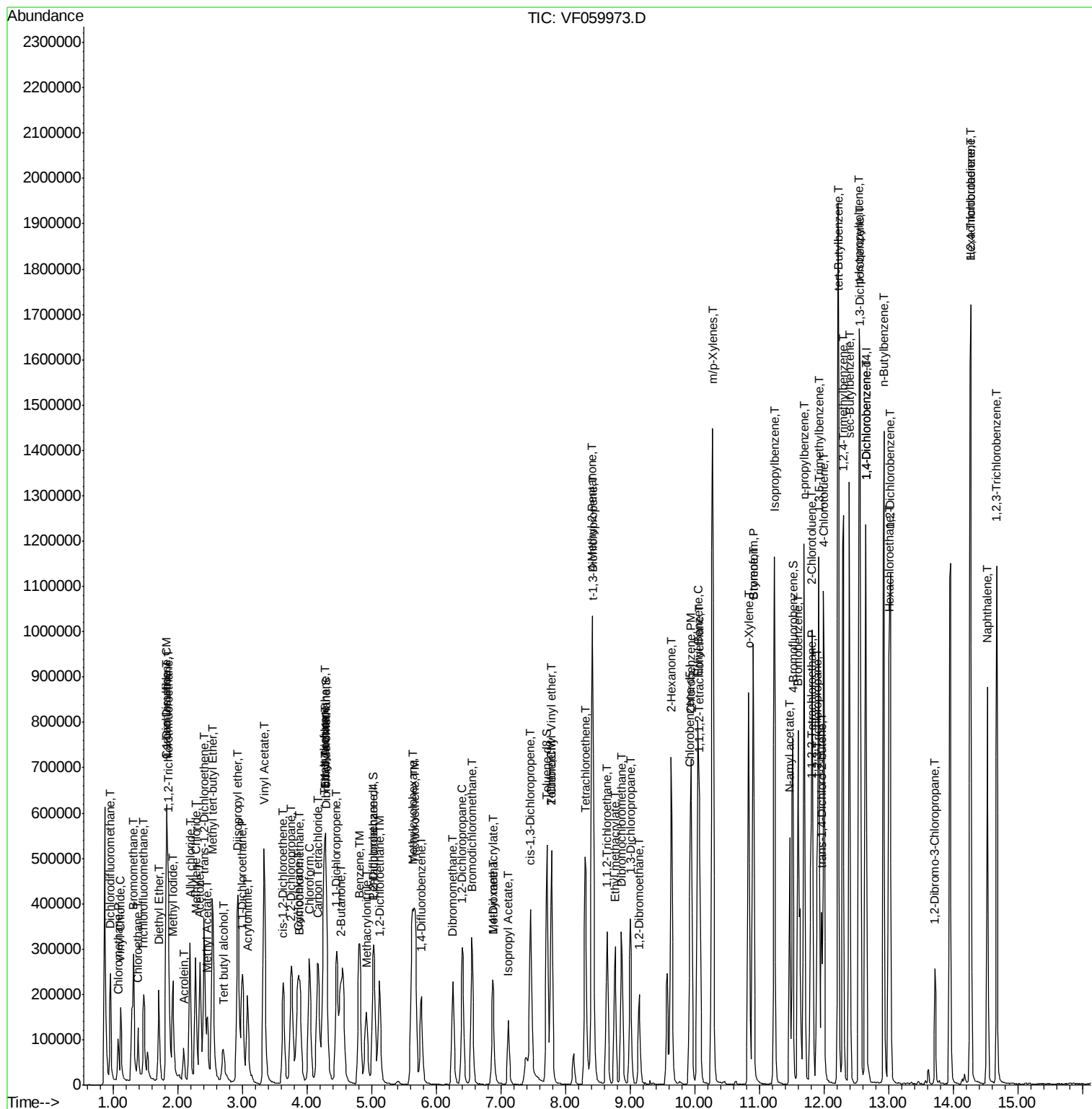
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	300208	96.850	ug/l	96
94) Hexachlorobutadiene	14.26	225	181369	83.347	ug/l	98
95) Naphthalene	14.52	128	619180	119.056	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	306783	102.910	ug/l	97

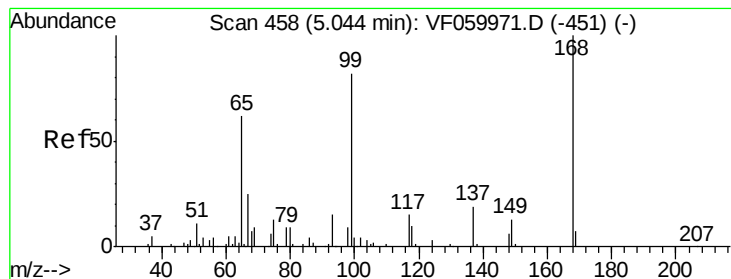
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Client Sample Id :
VSTDIC100

Quant Time: Aug 17 04:43:05 2018
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Quant Title : SW846 8260
QLast Update : Fri Aug 17 04:39:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

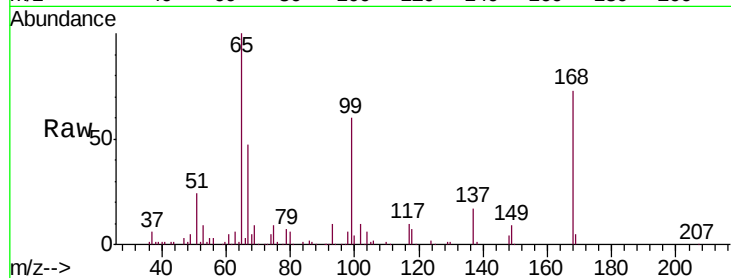
VSTDIC100

Tgt Ion:168 Resp: 121906

Ion Ratio Lower Upper

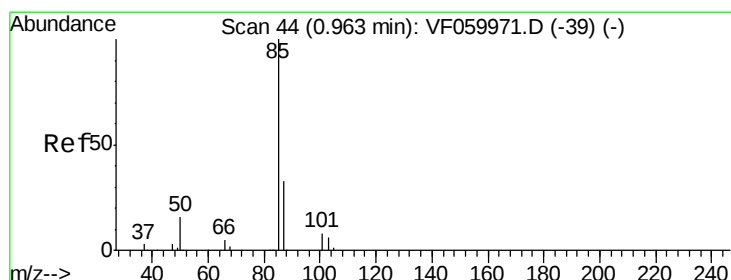
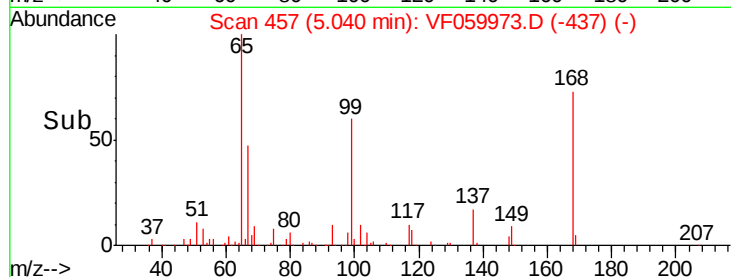
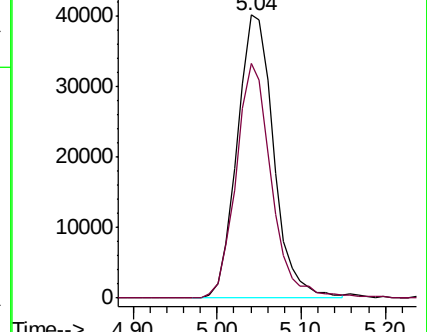
168 100

99 83.1 65.7 98.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 105.739 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF059973.D

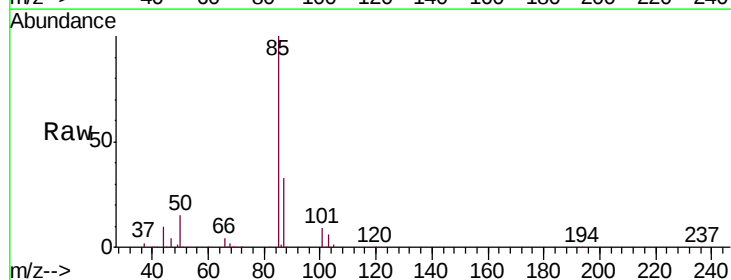
Acq: 16 Aug 2018 21:31

Tgt Ion: 85 Resp: 194665

Ion Ratio Lower Upper

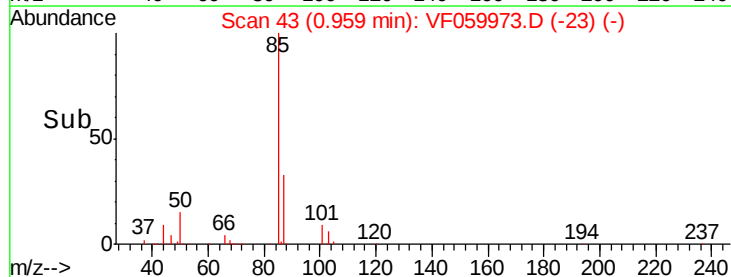
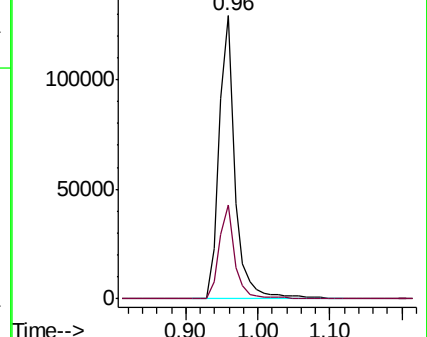
85 100

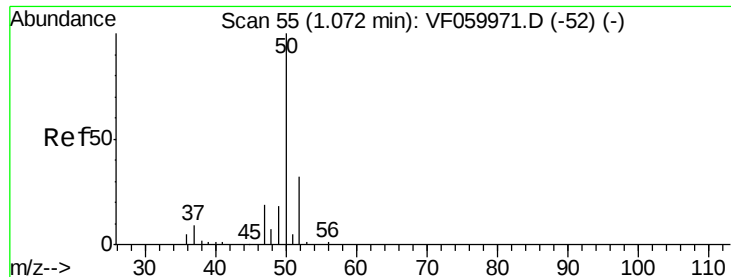
87 33.1 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 110.161 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

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ClientSampleId :

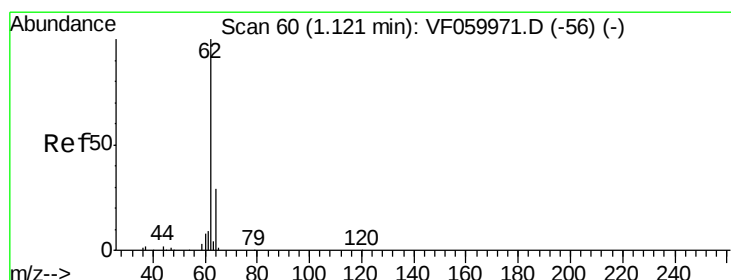
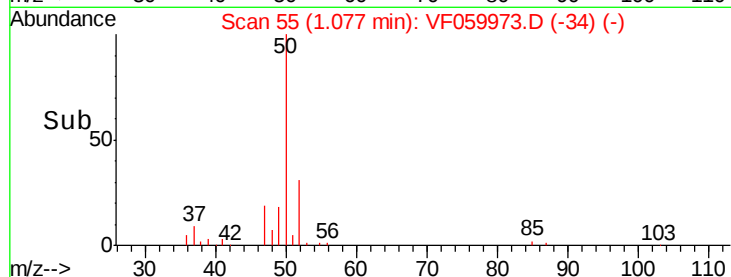
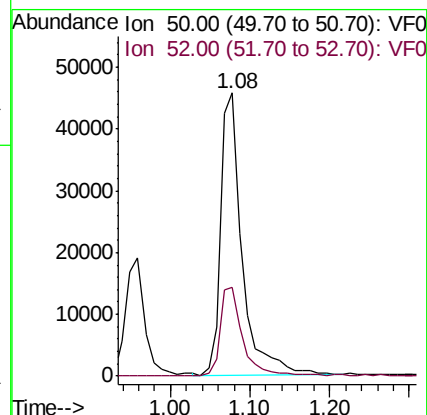
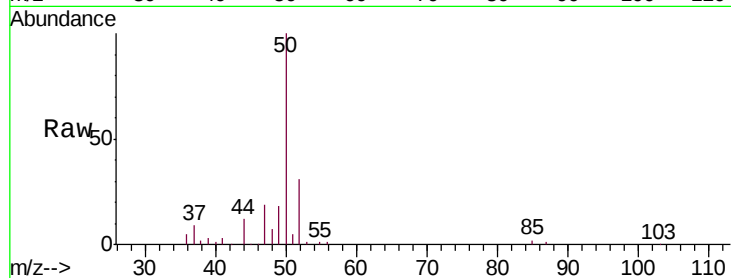
VSTDIC100

Tgt Ion: 50 Resp: 86495

Ion Ratio Lower Upper

50 100

52 31.3 25.7 38.5



#4

Vinyl Chloride

Concen: 126.120 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.00 min

Lab File: VF059973.D

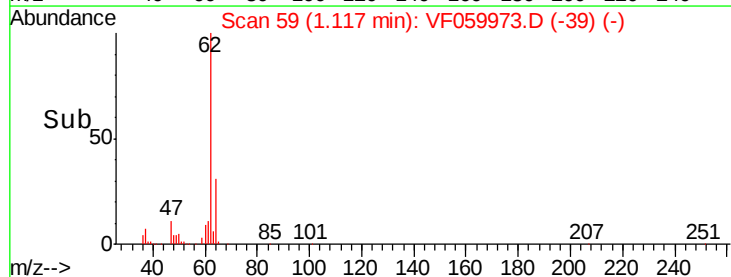
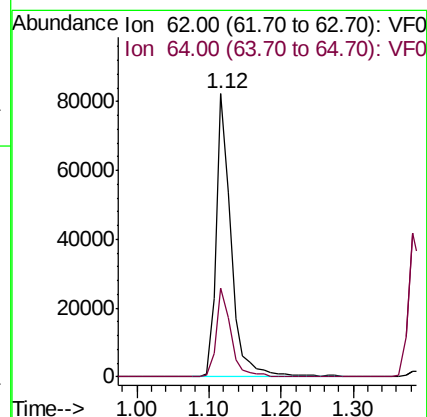
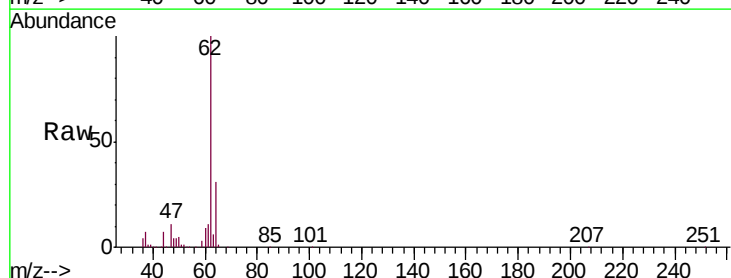
Acq: 16 Aug 2018 21:31

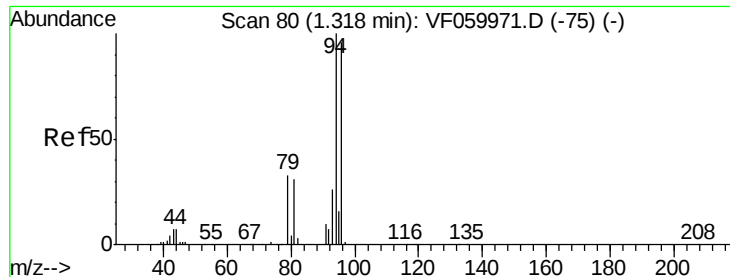
Tgt Ion: 62 Resp: 117218

Ion Ratio Lower Upper

62 100

64 31.5 23.1 34.7





#5

Bromomethane

Concen: 125.207 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

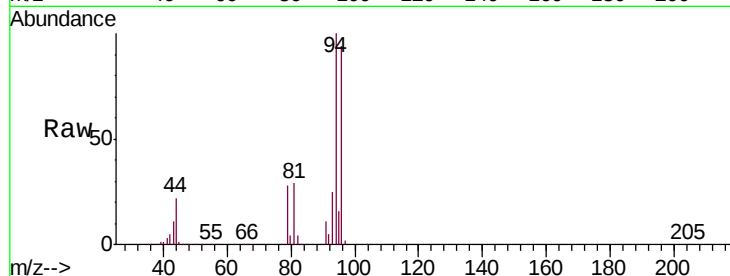
VSTDIC100

Tgt Ion: 94 Resp: 105291

Ion Ratio Lower Upper

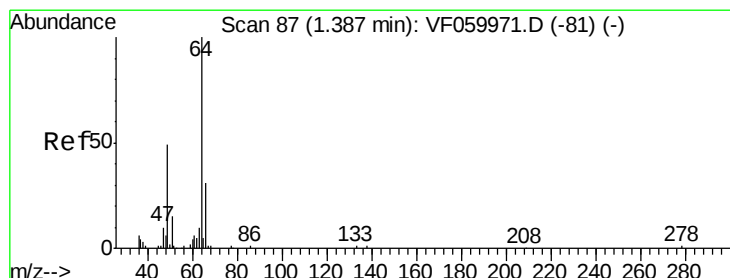
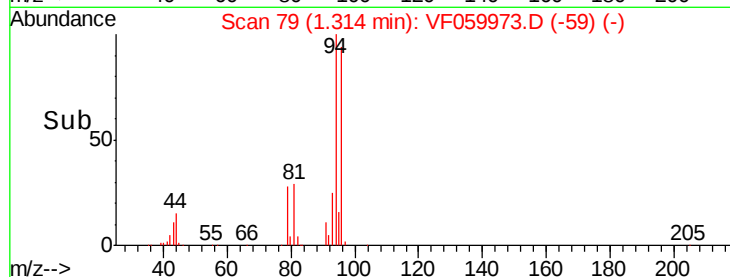
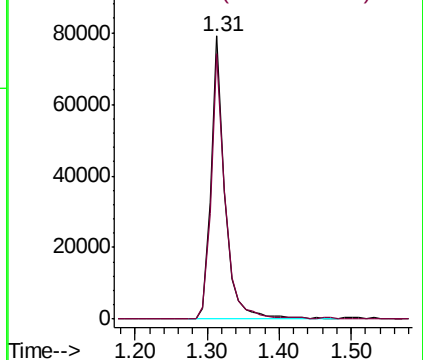
94 100

96 93.6 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 102.353 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF059973.D

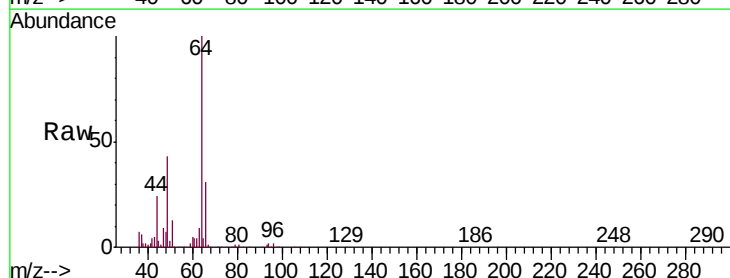
Acq: 16 Aug 2018 21:31

Tgt Ion: 64 Resp: 60180

Ion Ratio Lower Upper

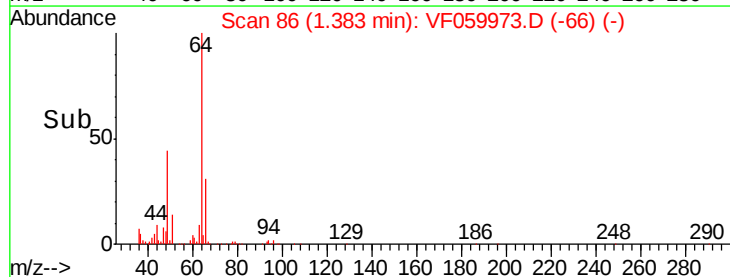
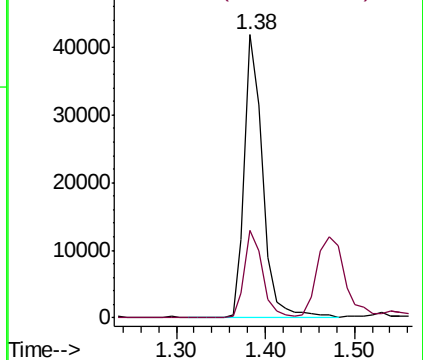
64 100

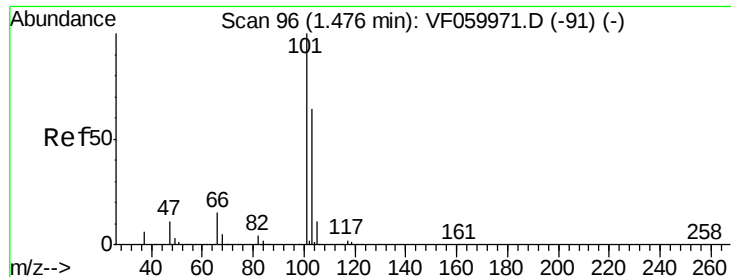
66 30.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



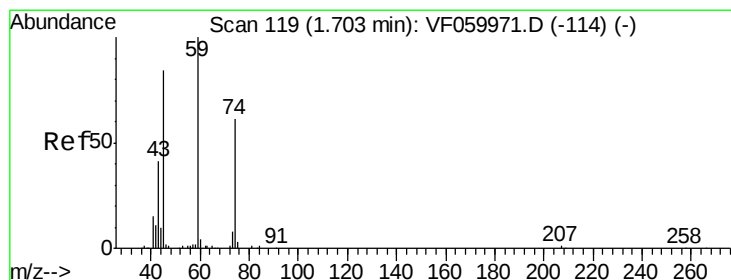
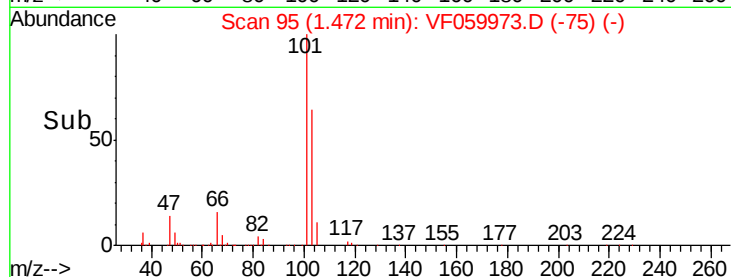
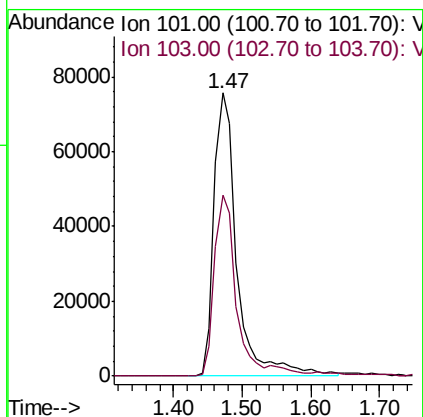
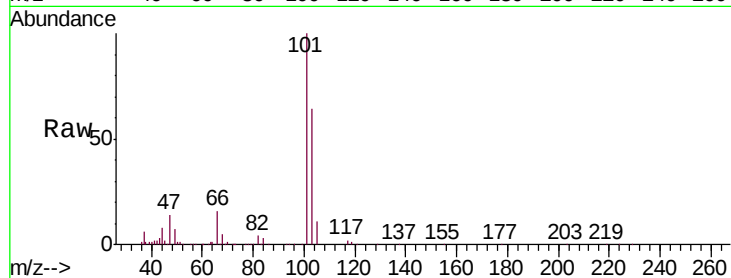


#7

Trichlorofluoromethane
Concen: 66.578 ug/l
RT: 1.47 min Scan# 95
Delta R.T. -0.00 min
Lab File: VF059973.D
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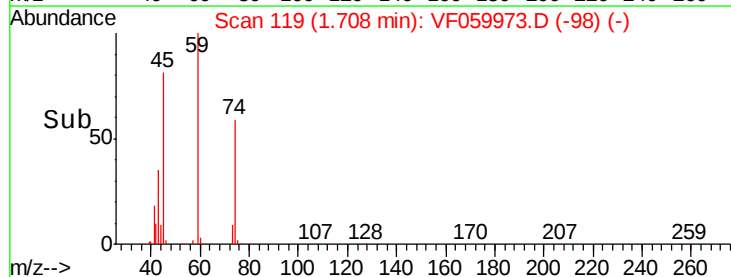
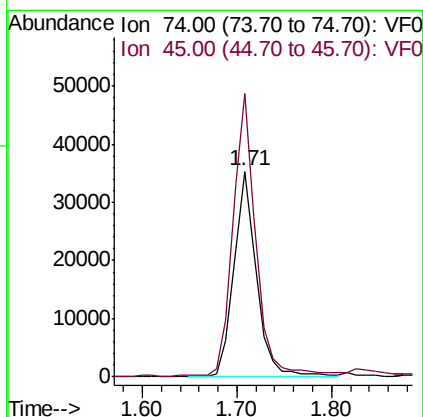
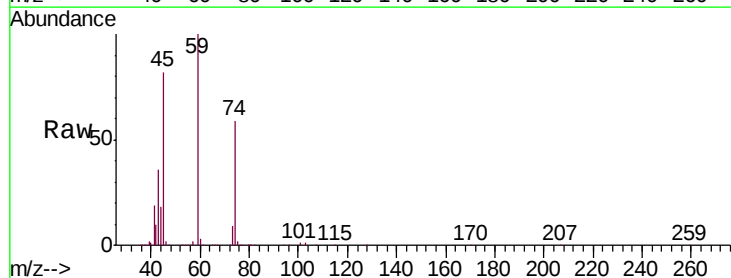
Tgt Ion: 101 Resp: 175800
Ion Ratio Lower Upper
101 100
103 63.8 50.9 76.3

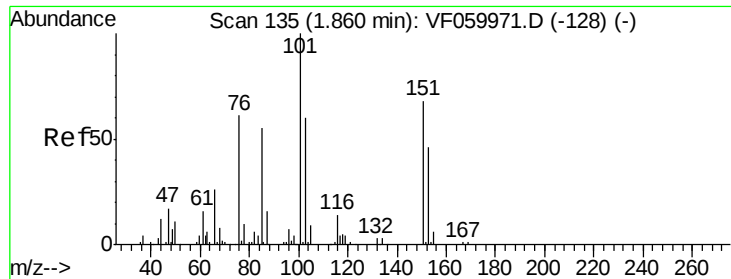


#8

Diethyl Ether
Concen: 148.677 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 74 Resp: 58850
Ion Ratio Lower Upper
74 100
45 137.5 69.8 209.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.085 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.00 min

Lab File: VF059973.D

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VSTDIC100

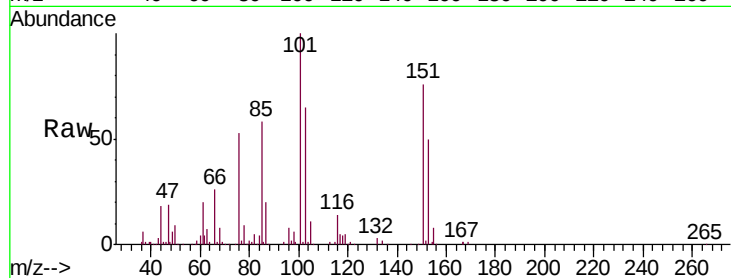
Tgt Ion:101 Resp: 153225

Ion Ratio Lower Upper

101 100

85 57.8 44.2 66.4

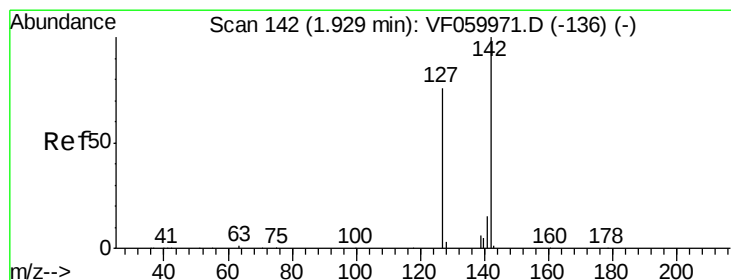
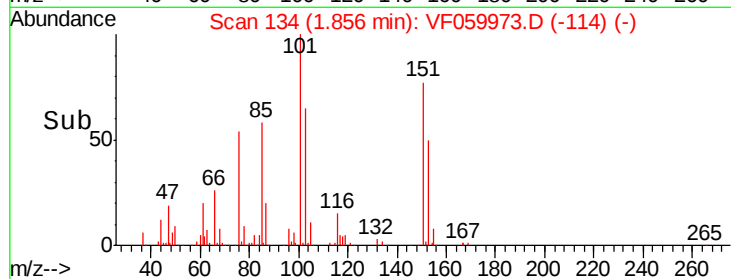
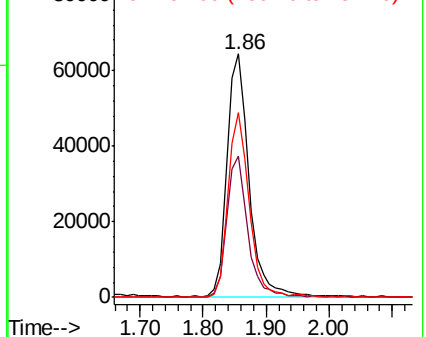
151 75.9 54.5 81.7



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: 105.995 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

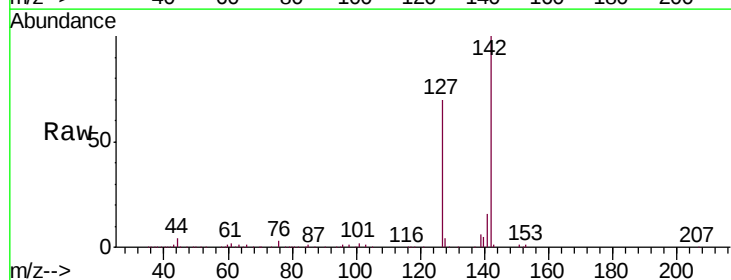
Tgt Ion:142 Resp: 216347

Ion Ratio Lower Upper

142 100

127 69.6 61.0 91.6

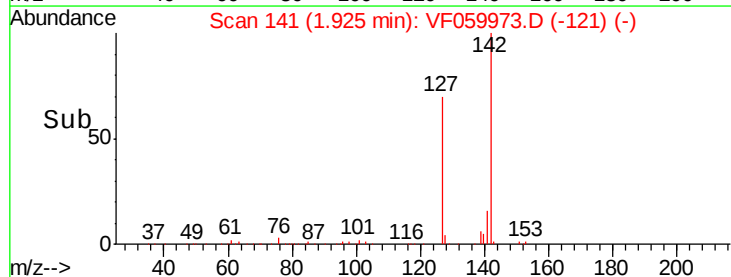
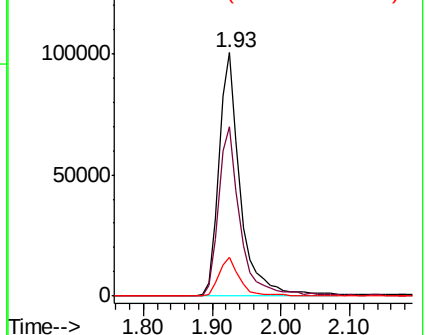
141 16.0 12.1 18.1

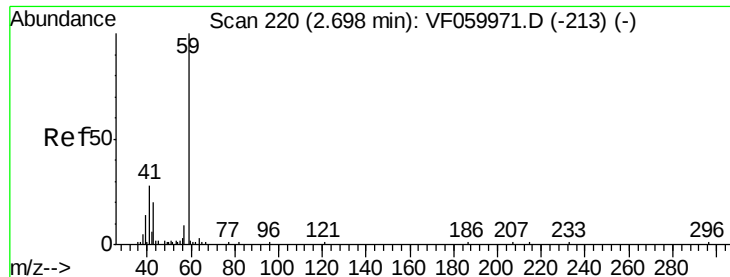


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

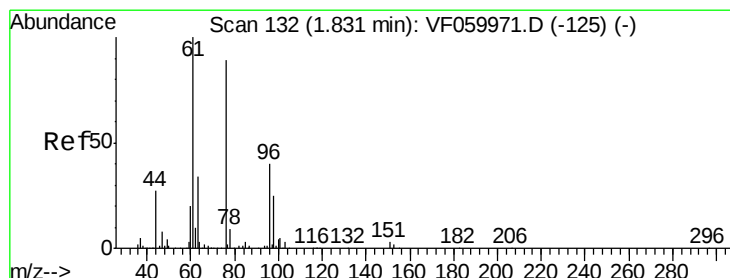
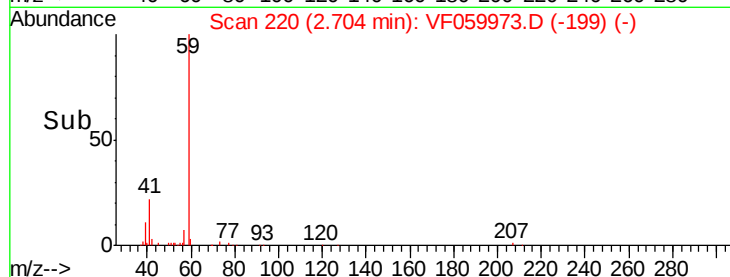
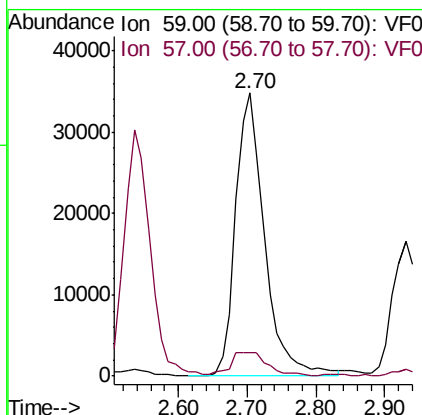
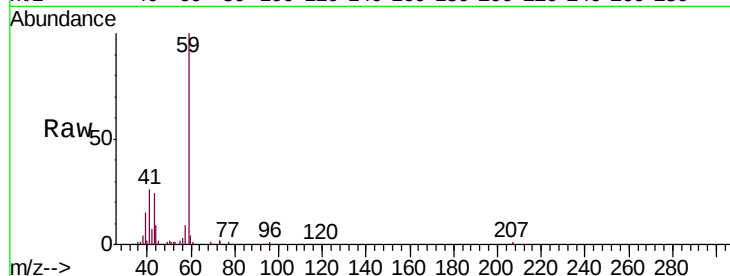




#11
Tert butyl alcohol
Concen: 992.066 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

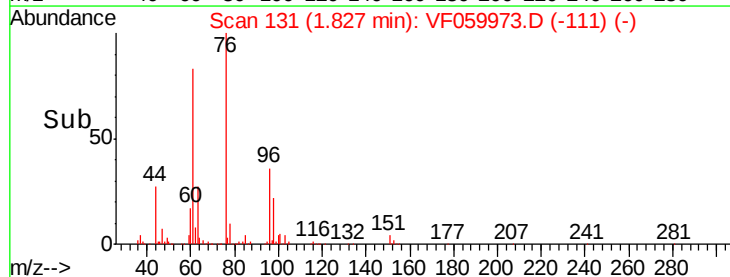
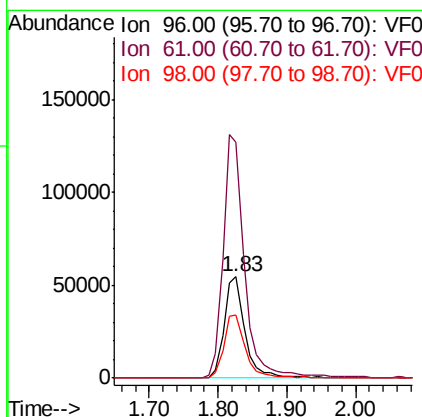
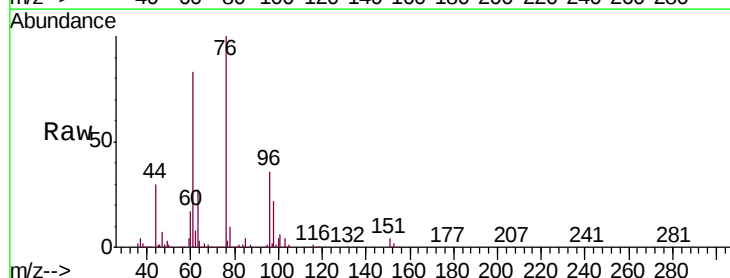
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

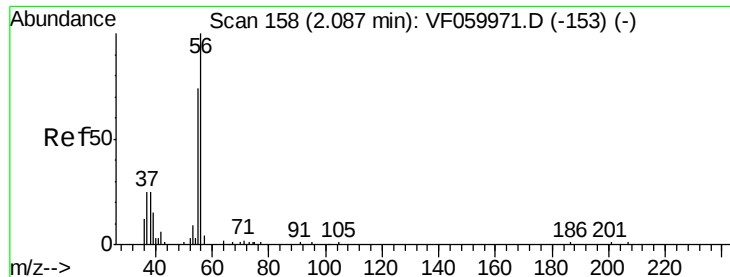
Tgt Ion: 59 Resp: 101743
Ion Ratio Lower Upper
59 100
57 8.5 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 116.184 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 96 Resp: 114491
Ion Ratio Lower Upper
96 100
61 233.2 200.0 300.0
98 62.8 49.8 74.8





#13

Acrolein

Concen: 1001.134 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

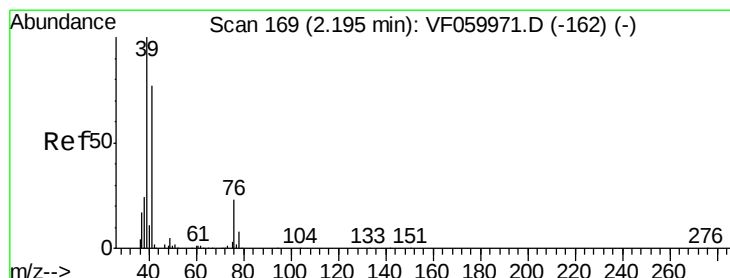
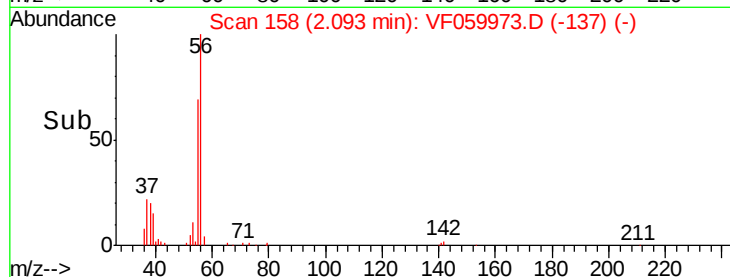
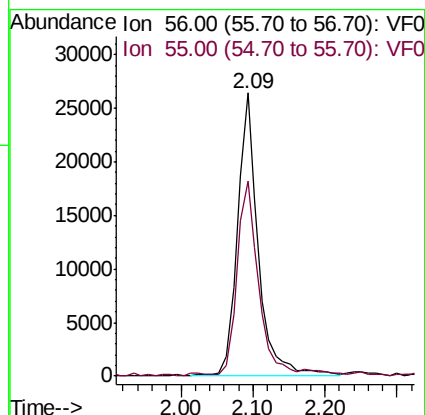
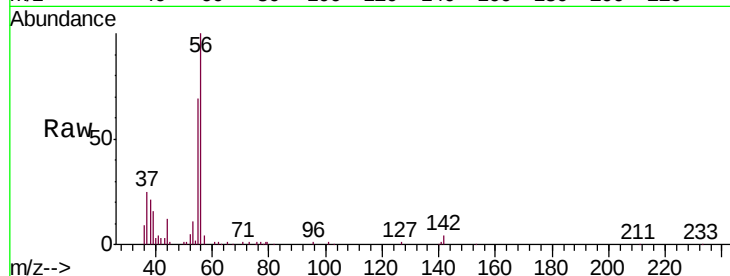
VSTDIC100

Tgt Ion: 56 Resp: 53307

Ion Ratio Lower Upper

56 100

55 68.7 59.2 88.8



#14

Allyl chloride

Concen: 122.482 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

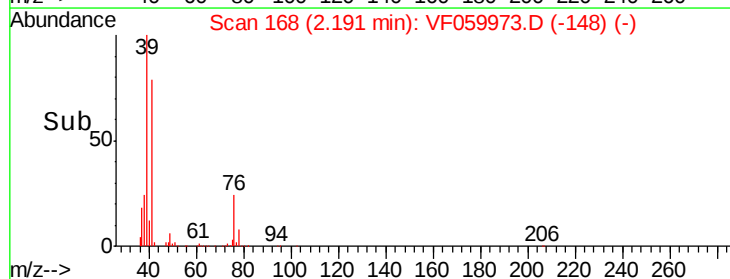
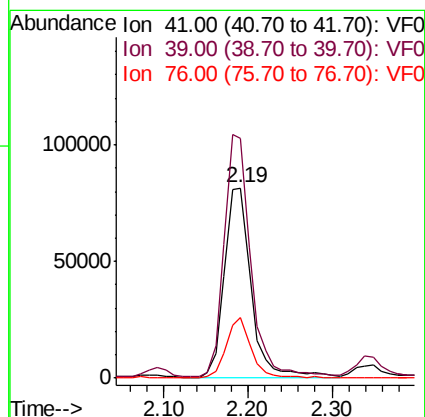
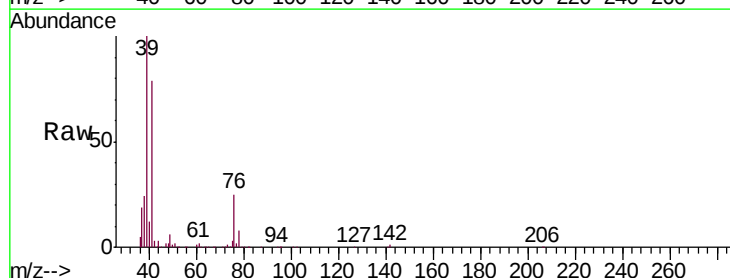
Tgt Ion: 41 Resp: 180023

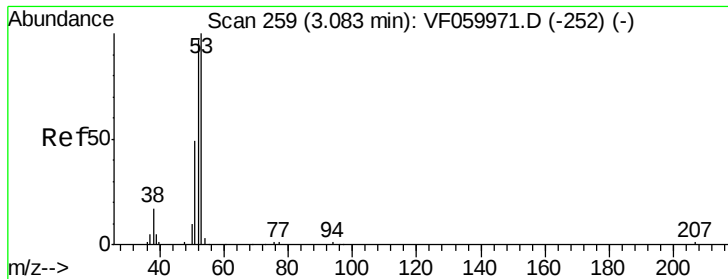
Ion Ratio Lower Upper

41 100

39 126.3 103.6 155.4

76 31.9 23.5 35.3





#15

Acrylonitrile

Concen: 1028.713 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

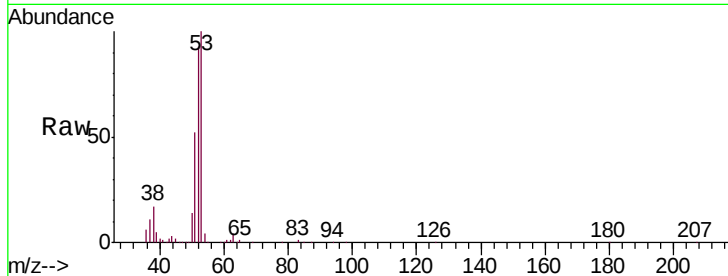
Tgt Ion: 53 Resp: 163406

Ion Ratio Lower Upper

53 100

52 92.8 77.6 116.4

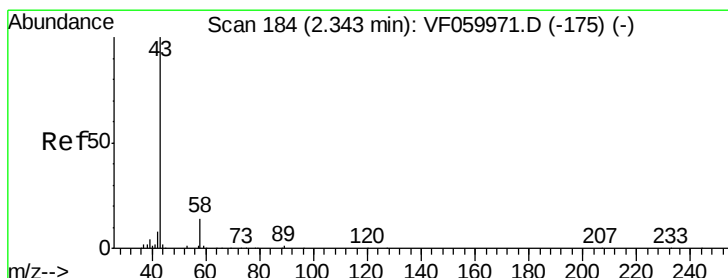
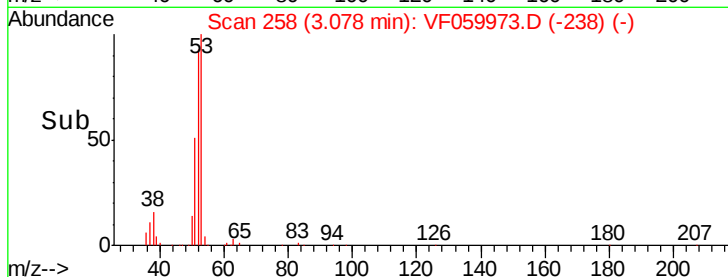
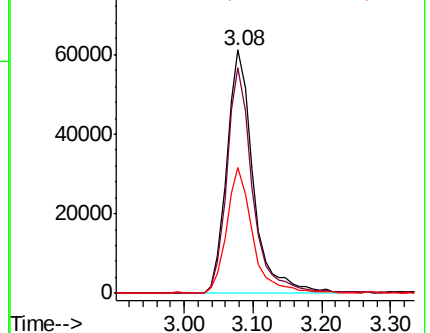
51 51.5 40.2 60.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 849.134 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059973.D

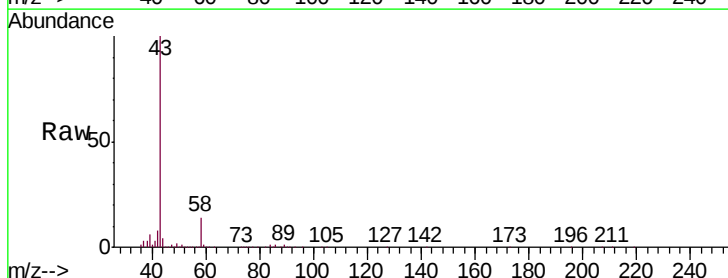
Acq: 16 Aug 2018 21:31

Tgt Ion: 43 Resp: 433630

Ion Ratio Lower Upper

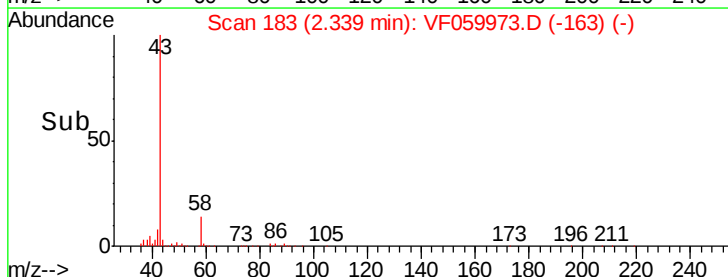
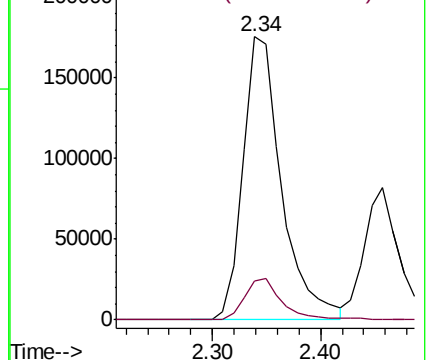
43 100

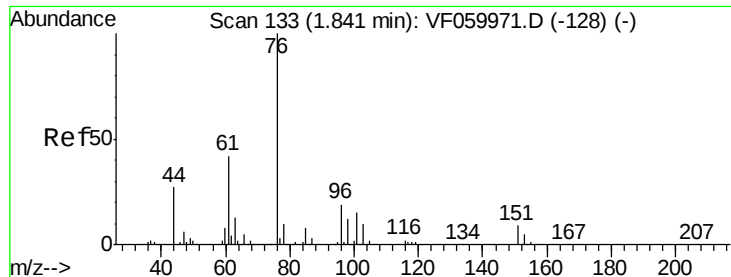
58 13.6 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

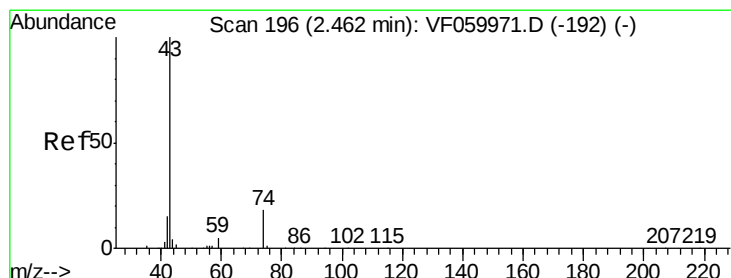
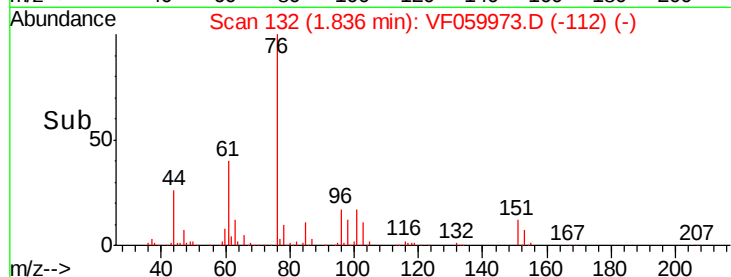
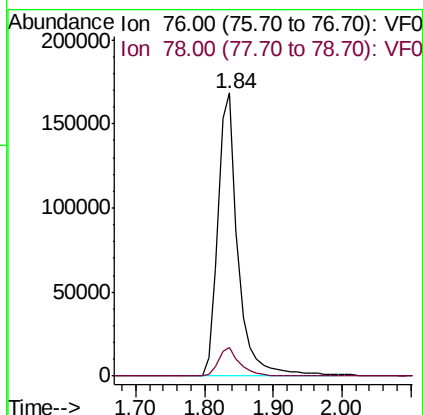
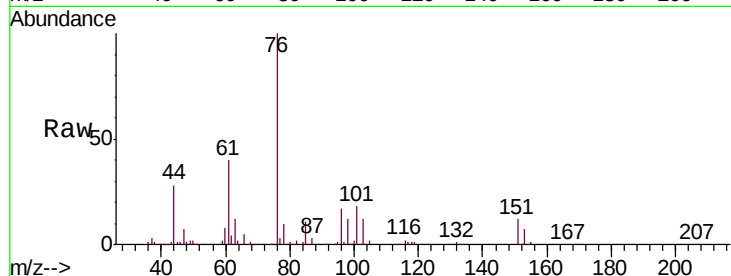




#17
Carbon Disulfide
Concen: 127.911 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

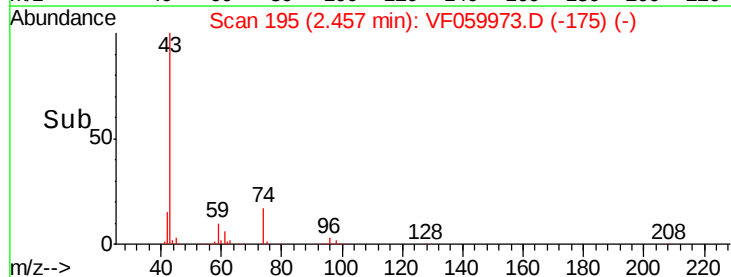
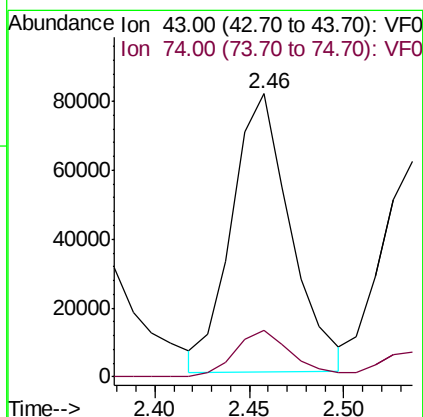
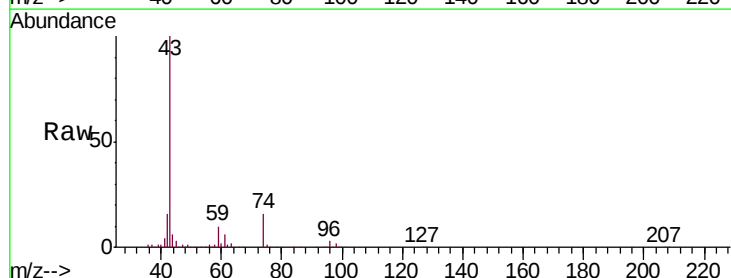
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

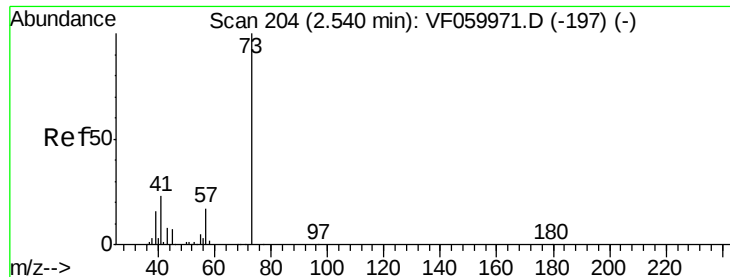
Tgt Ion: 76 Resp: 340322
Ion Ratio Lower Upper
76 100
78 10.3 8.0 12.0



#18
Methyl Acetate
Concen: 219.835 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 43 Resp: 174754
Ion Ratio Lower Upper
43 100
74 16.5 13.2 19.8



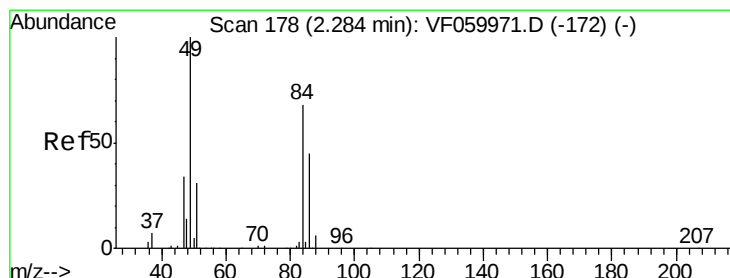
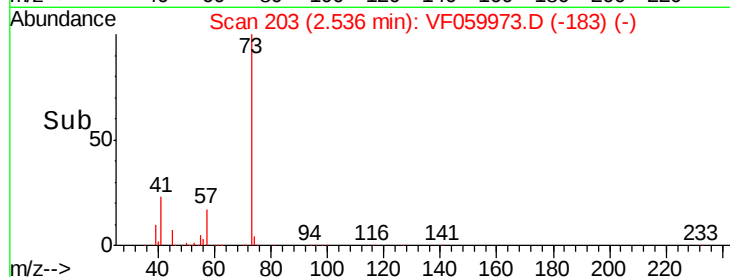
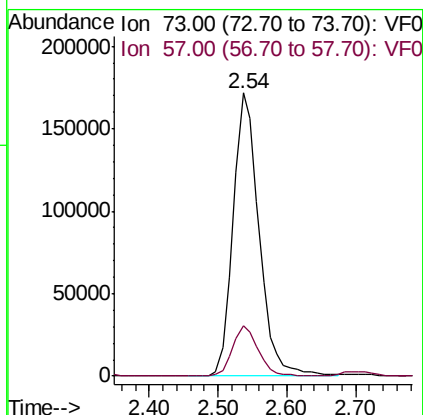
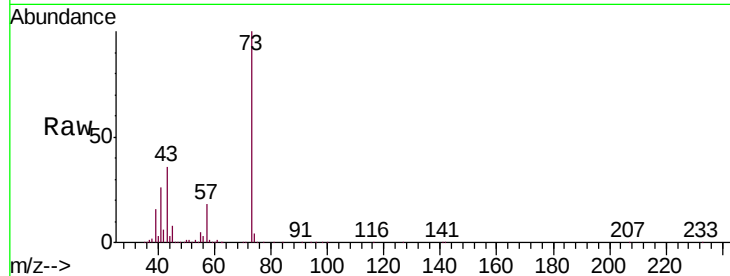


#19

Methyl tert-butyl Ether
 Concen: 148.190 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

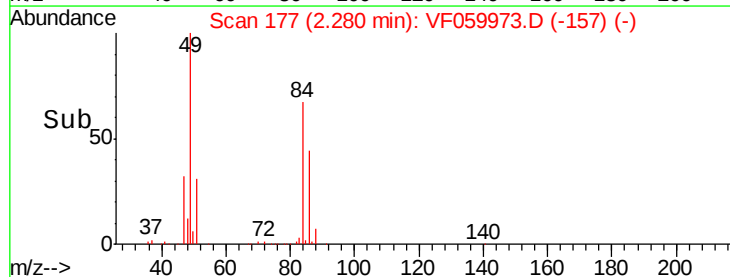
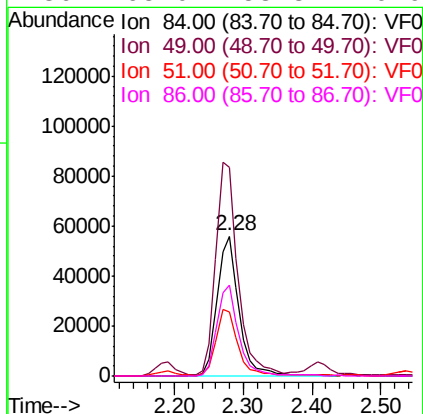
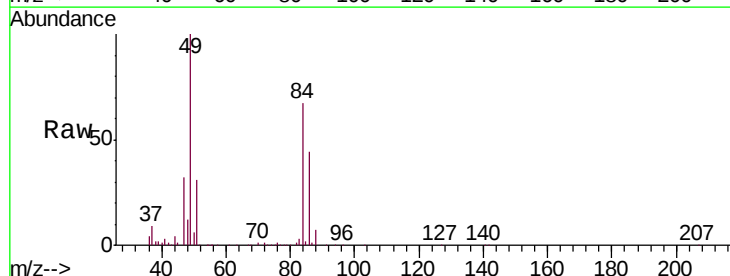
Tgt Ion: 73 Resp: 448816
 Ion Ratio Lower Upper
 73 100
 57 17.7 13.7 20.5

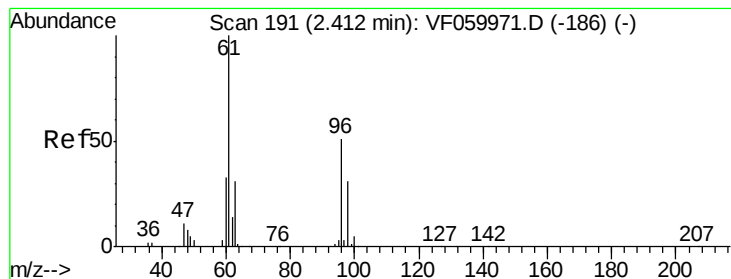


#20

Methylene Chloride
 Concen: 107.236 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 84 Resp: 123014
 Ion Ratio Lower Upper
 84 100
 49 148.6 118.2 177.2
 51 45.7 36.3 54.5
 86 65.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 118.629 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

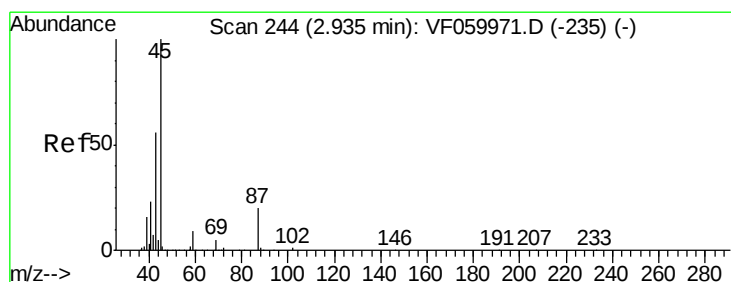
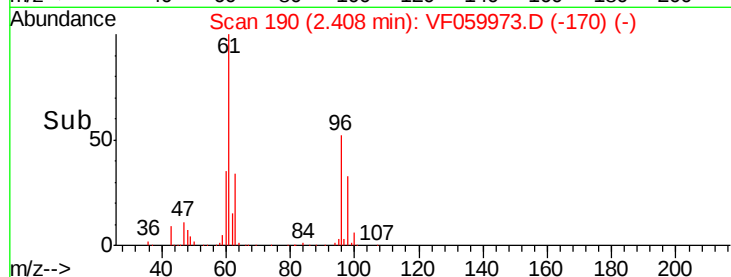
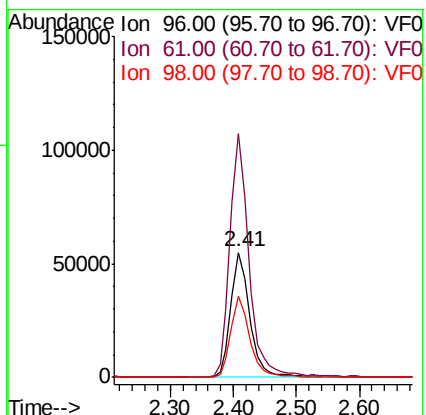
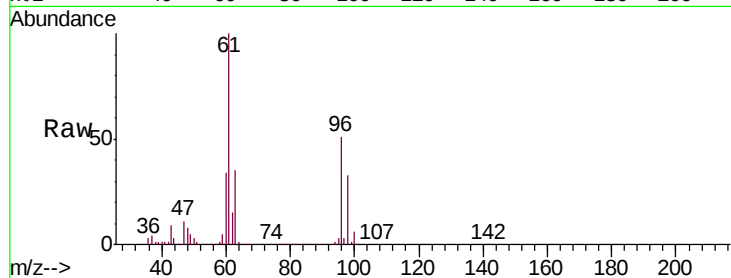
Tgt Ion: 96 Resp: 115967

Ion Ratio Lower Upper

96 100

61 195.2 156.9 235.3

98 64.8 48.6 73.0



#22

Diisopropyl ether

Concen: 133.263 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion: 45 Resp: 450437

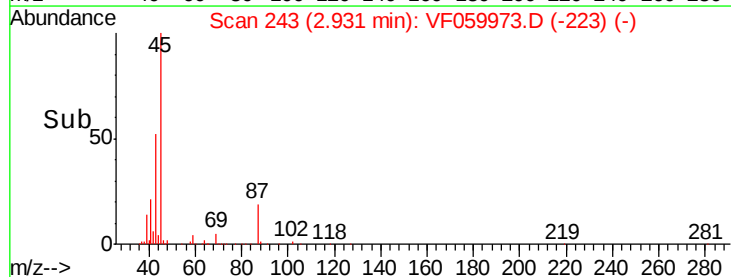
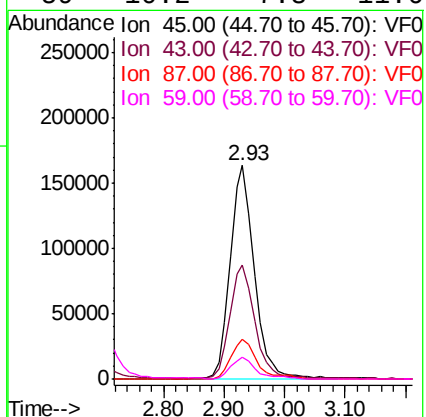
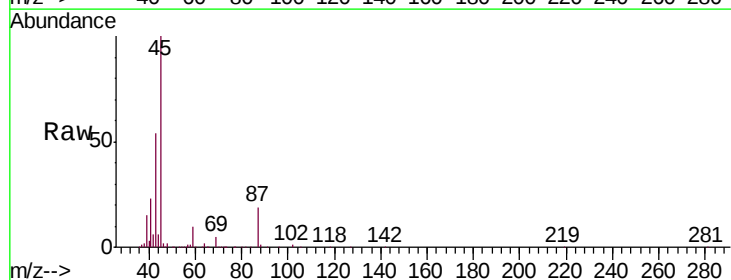
Ion Ratio Lower Upper

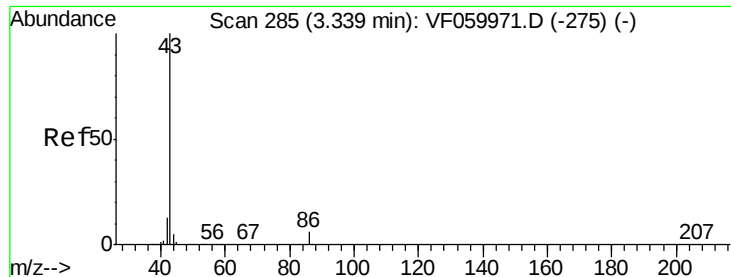
45 100

43 53.5 44.9 67.3

87 18.7 15.8 23.6

59 10.2 7.8 11.6





#23

Vinyl Acetate

Concen: 657.757 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

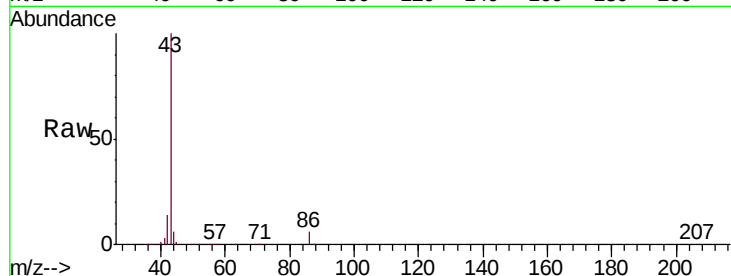
VSTDIC100

Tgt Ion: 43 Resp: 1072003

Ion Ratio Lower Upper

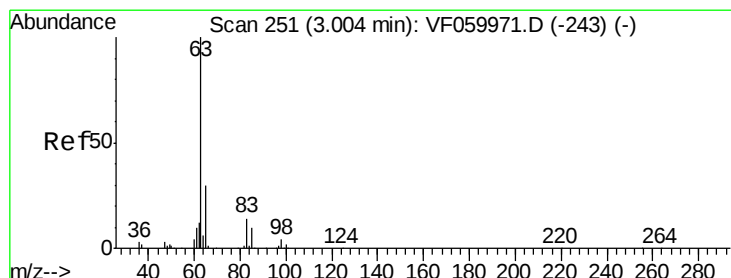
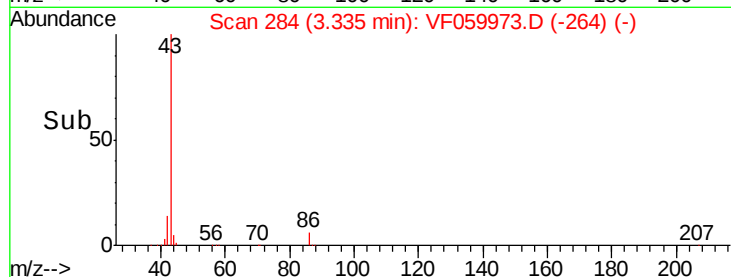
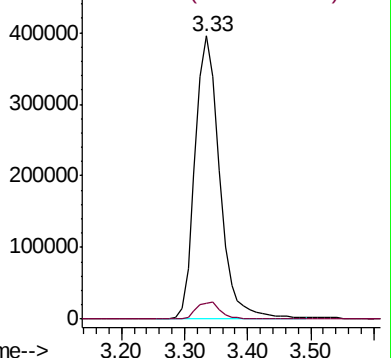
43 100

86 5.8 4.5 6.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 116.847 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

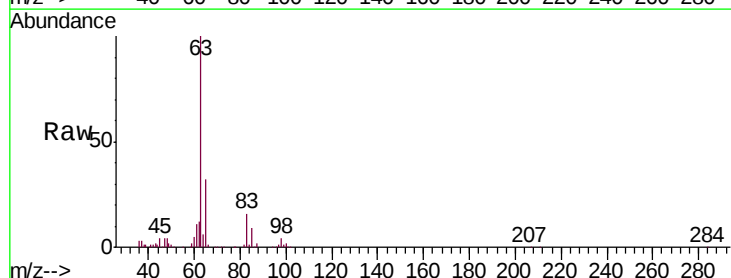
Tgt Ion: 63 Resp: 275851

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

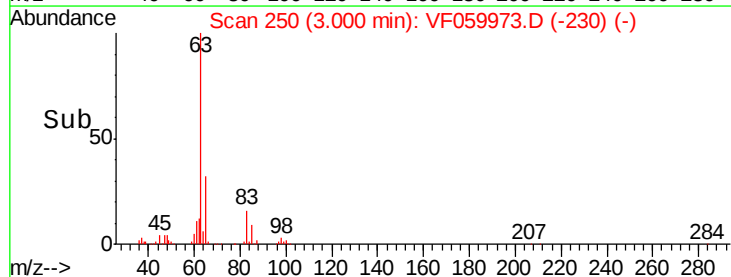
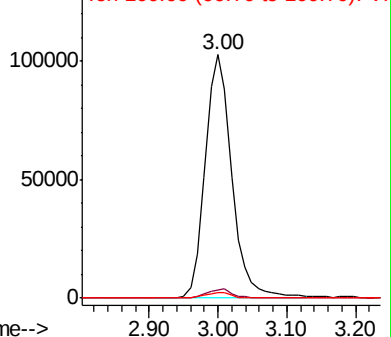
100 2.2 1.1 3.1

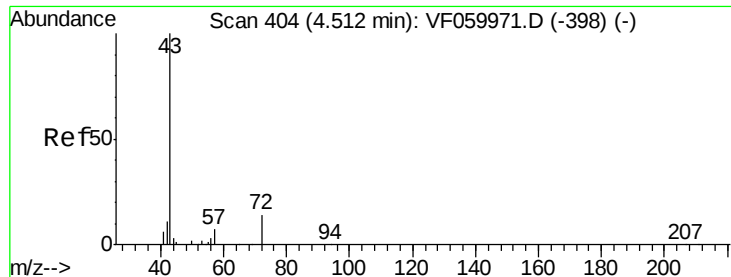


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

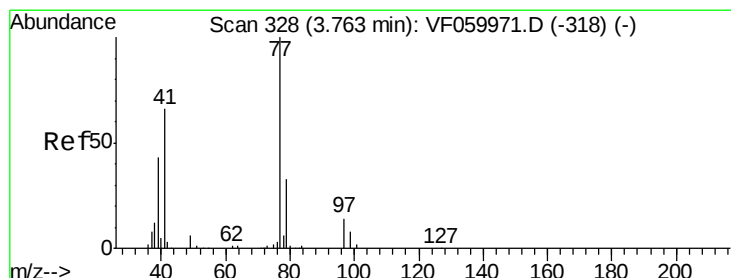
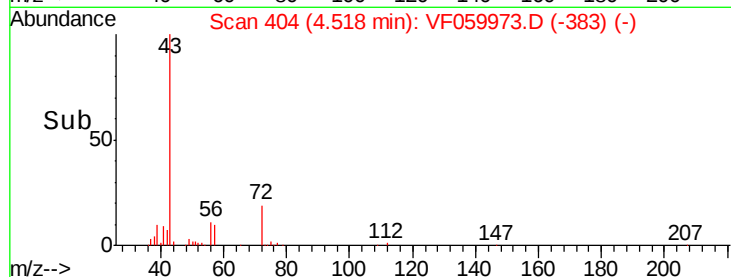
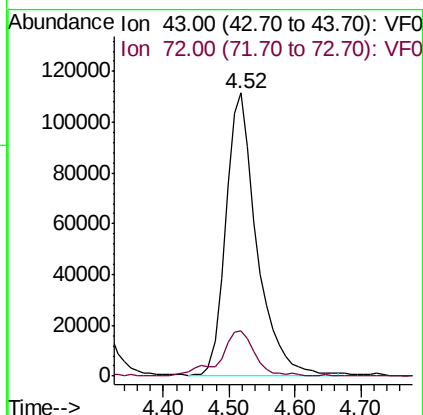
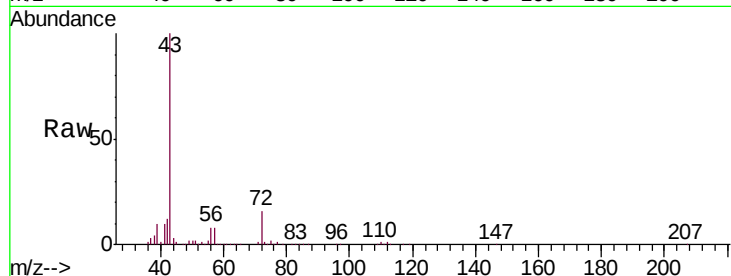




#25
 2-Butanone
 Concen: 758.881 ug/l
 RT: 4.52 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

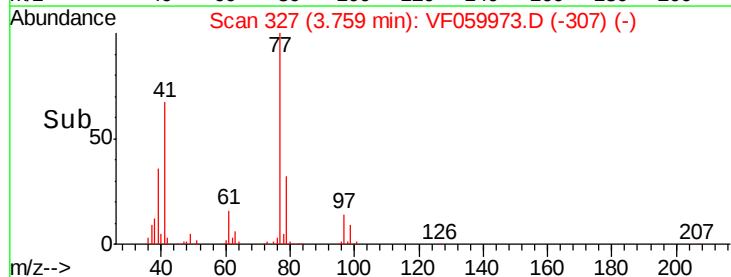
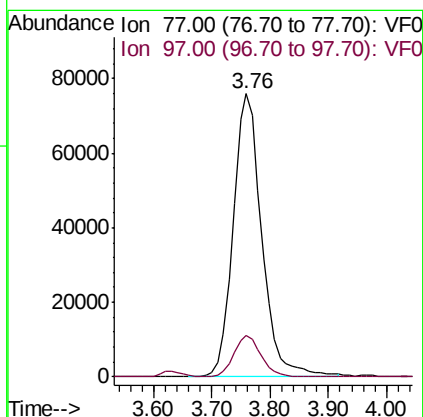
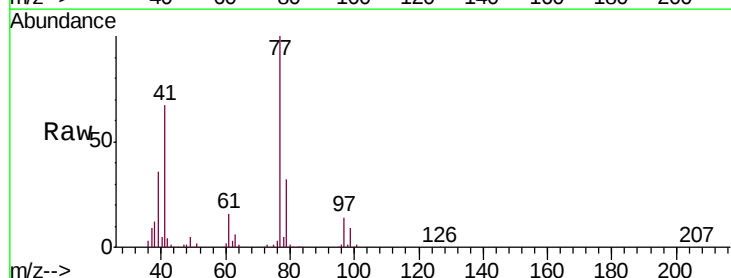
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

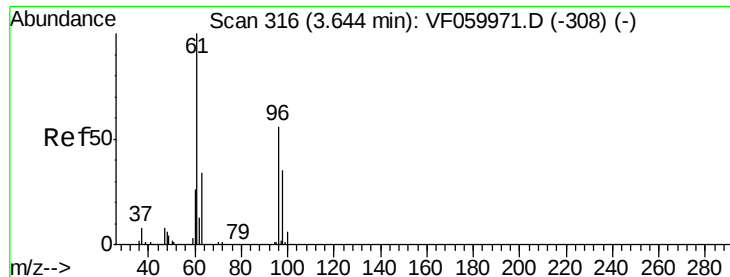
Tgt Ion: 43 Resp: 364064
 Ion Ratio Lower Upper
 43 100
 72 15.9 13.4 20.2



#26
 2,2-Dichloropropane
 Concen: 157.852 ug/l
 RT: 3.76 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 77 Resp: 259615
 Ion Ratio Lower Upper
 77 100
 97 14.5 7.4 22.3



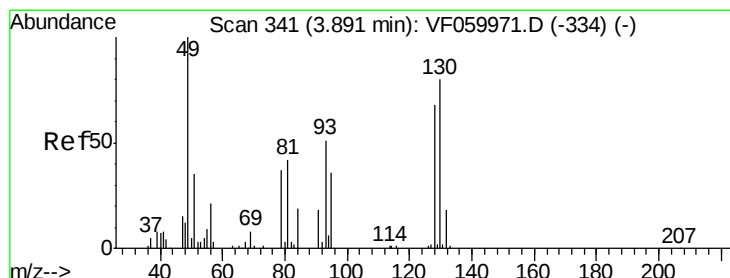
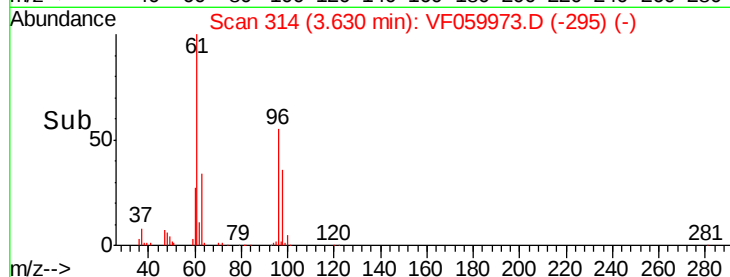
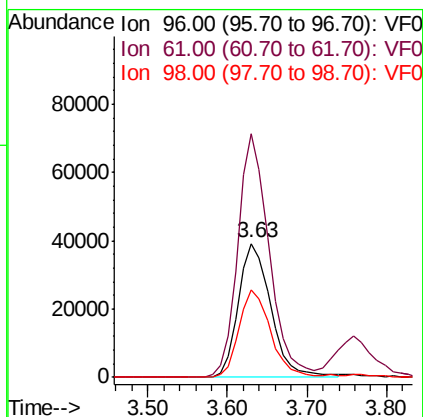
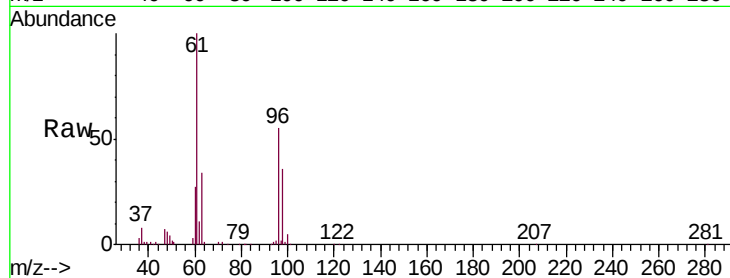


#27

cis-1,2-Dichloroethene
 Concen: 106.084 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

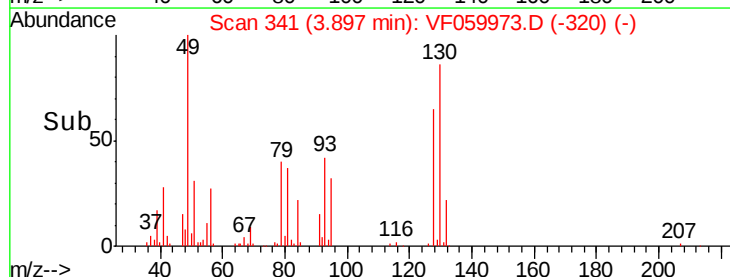
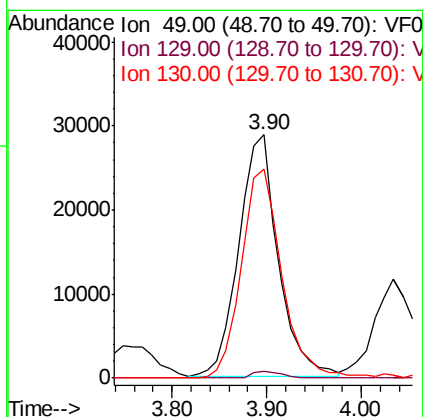
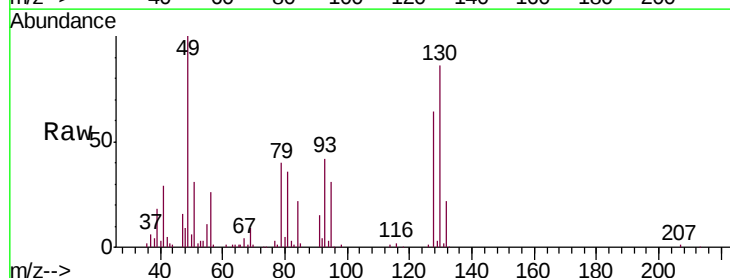
Tgt Ion: 96 Resp: 111231
 Ion Ratio Lower Upper
 96 100
 61 181.9 0.0 356.4
 98 65.0 0.0 125.2

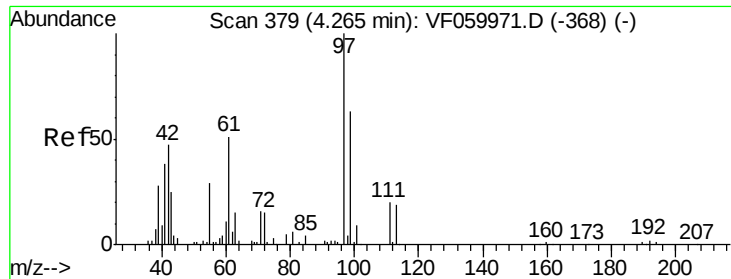


#28

Bromochloromethane
 Concen: 99.911 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 49 Resp: 82737
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 4.6
 130 85.7 64.0 96.0

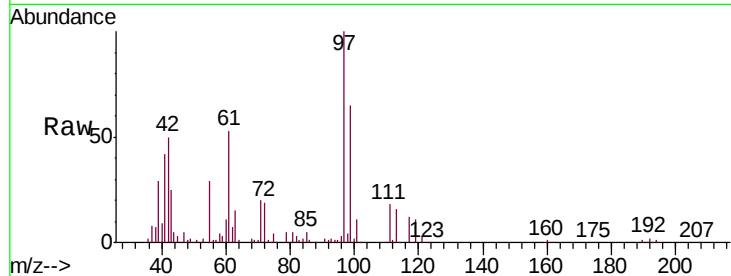




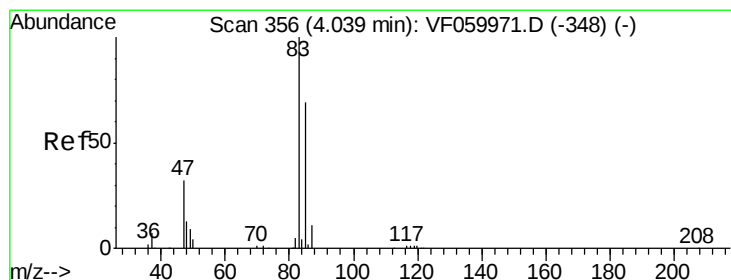
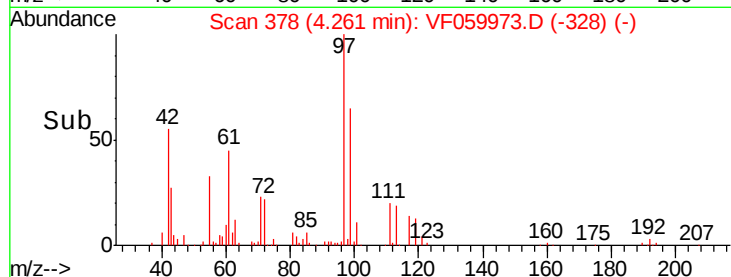
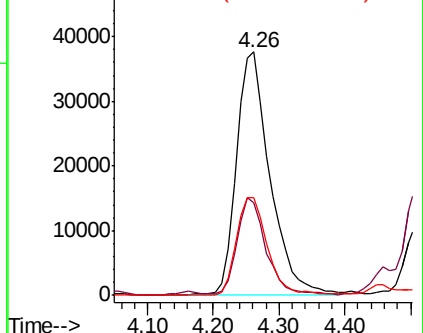
#29
Tetrahydrofuran
Concen: 791.170 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 133292
Ion Ratio Lower Upper
42 100
72 34.5 27.9 41.9
71 37.7 26.9 40.3

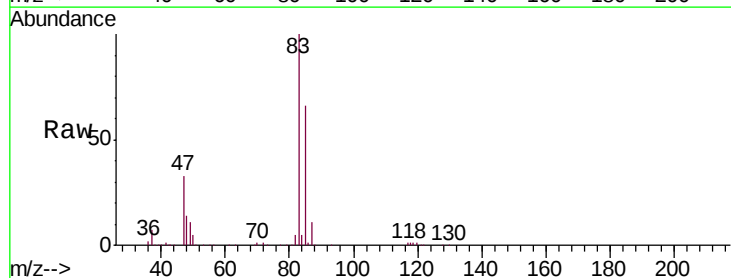


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

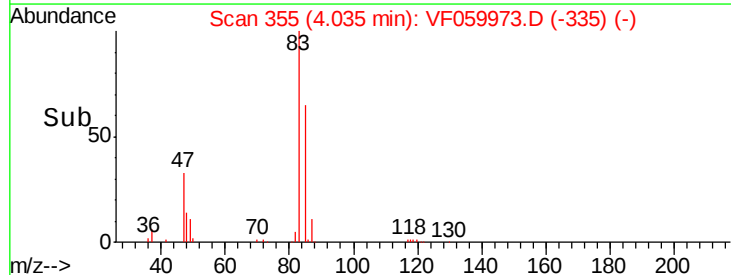
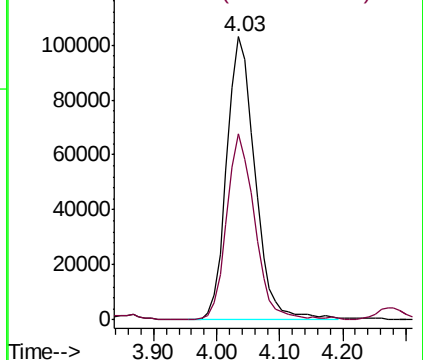


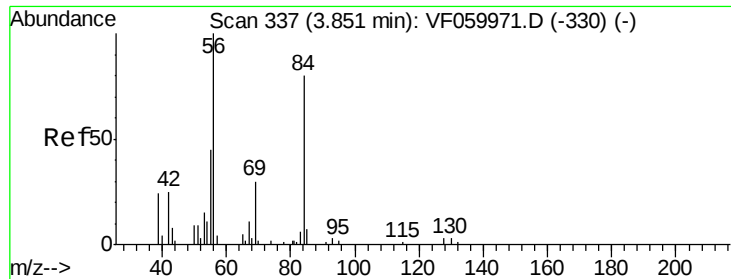
#30
Chloroform
Concen: 103.166 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 83 Resp: 321101
Ion Ratio Lower Upper
83 100
85 65.9 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

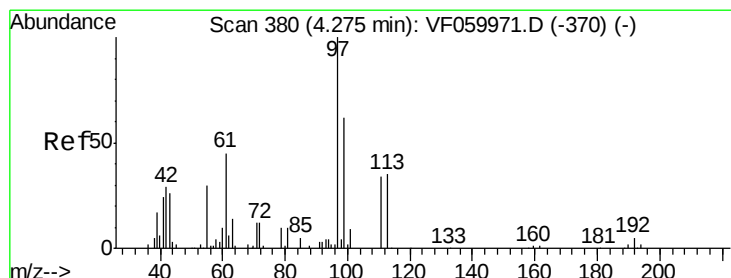
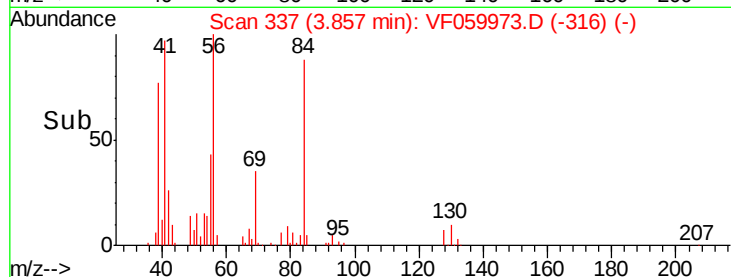
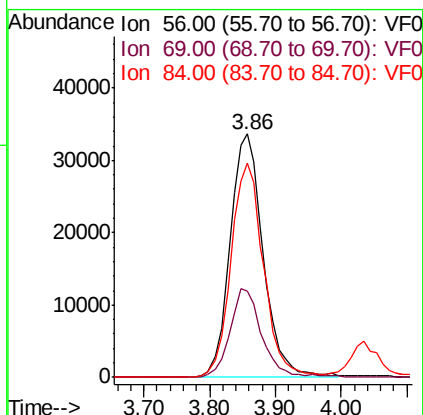
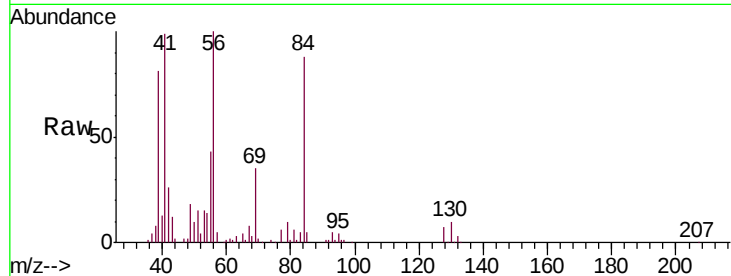




#31
Cyclohexane
Concen: 106.412 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

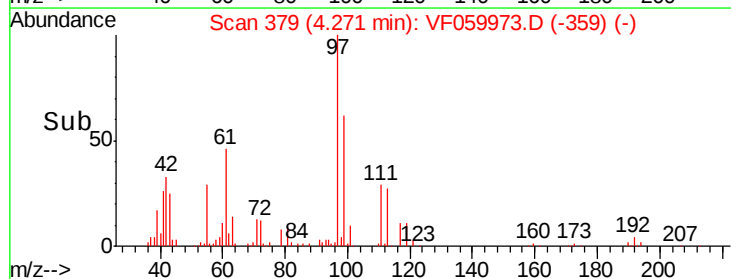
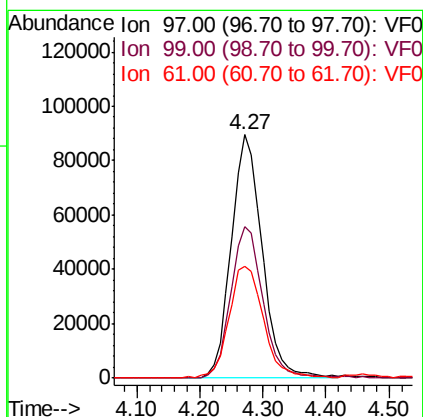
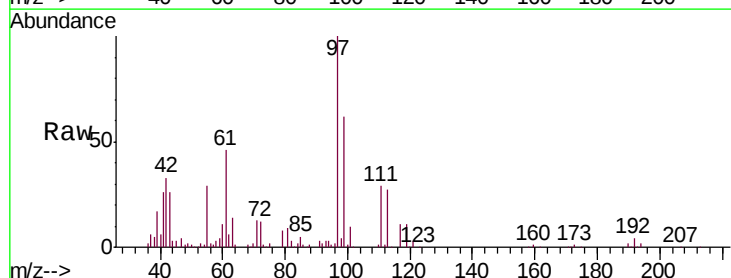
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

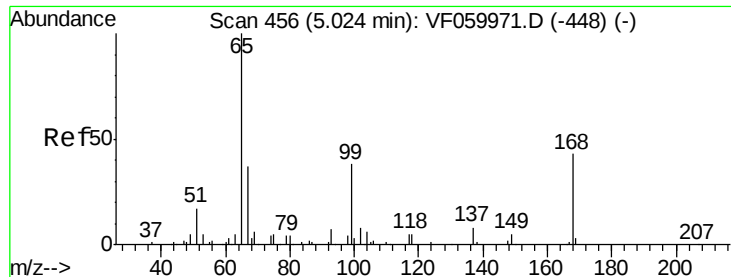
Tgt Ion: 56 Resp: 118455
Ion Ratio Lower Upper
56 100
69 35.2 23.8 35.6
84 88.0 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 115.705 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 97 Resp: 304558
Ion Ratio Lower Upper
97 100
99 62.1 49.3 73.9
61 45.8 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 117.913 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

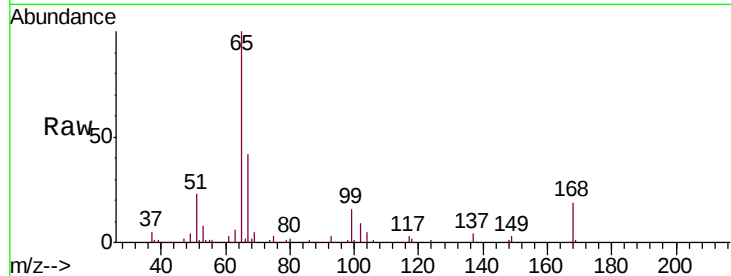
VSTDIC100

Tgt Ion: 65 Resp: 261888

Ion Ratio Lower Upper

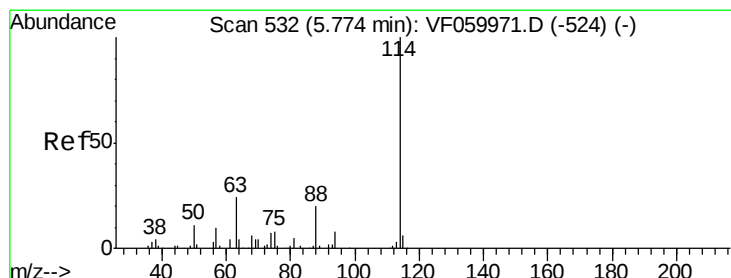
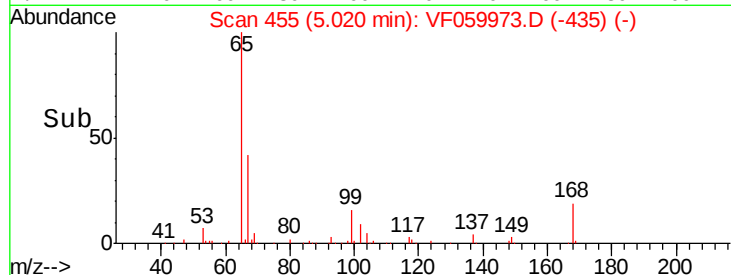
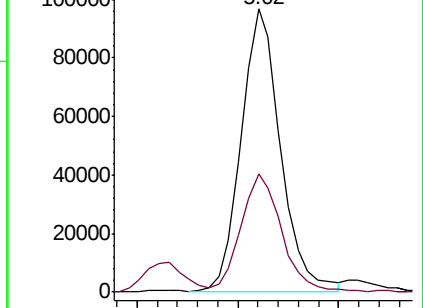
65 100

67 41.8 0.0 84.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

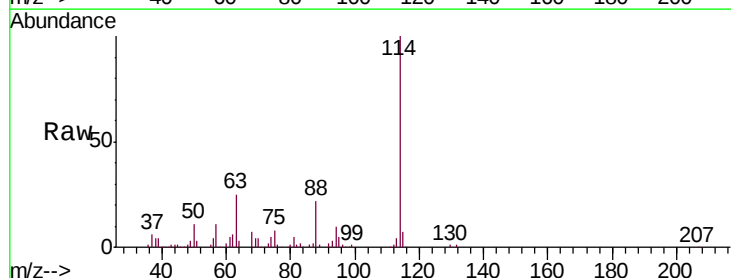
Tgt Ion: 114 Resp: 177656

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.8

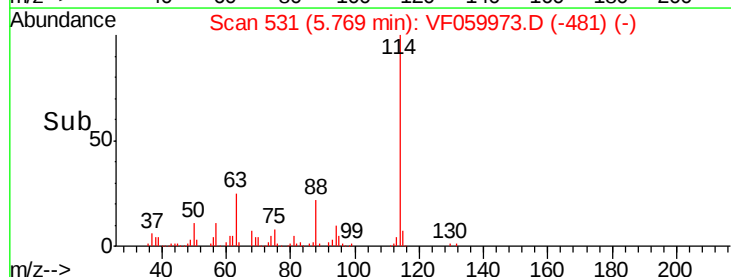
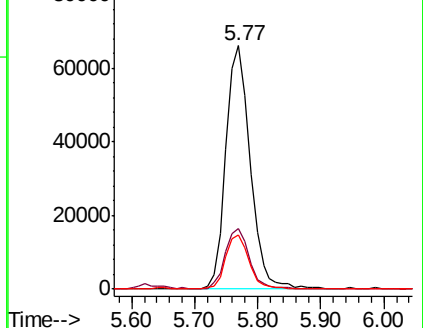
88 22.1 0.0 39.6

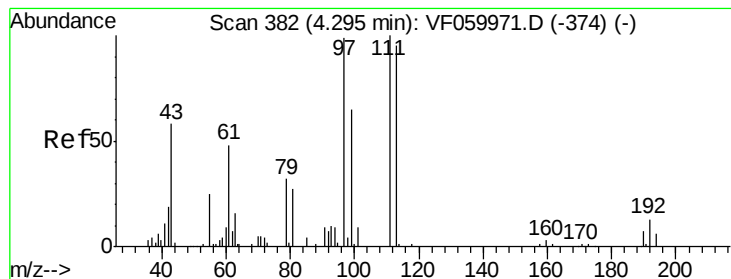


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 98.574 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

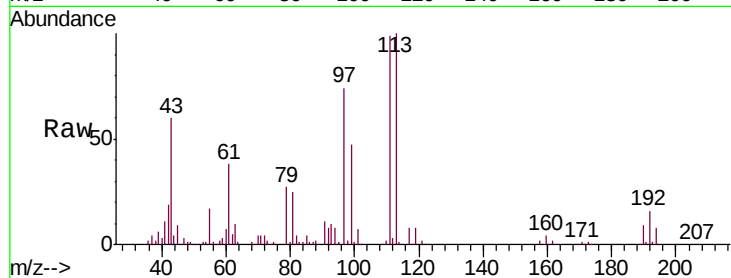
Tgt Ion: 113 Resp: 177952

Ion Ratio Lower Upper

113 100

111 99.2 83.9 125.9

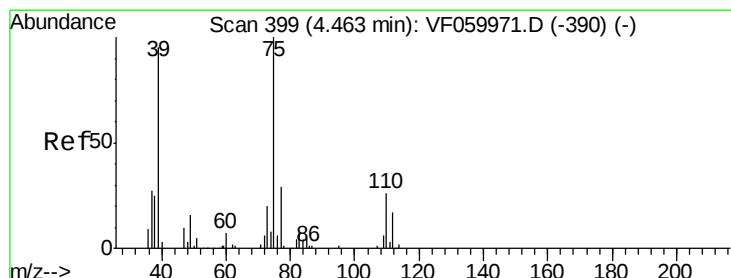
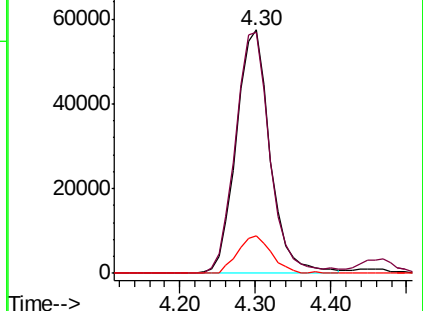
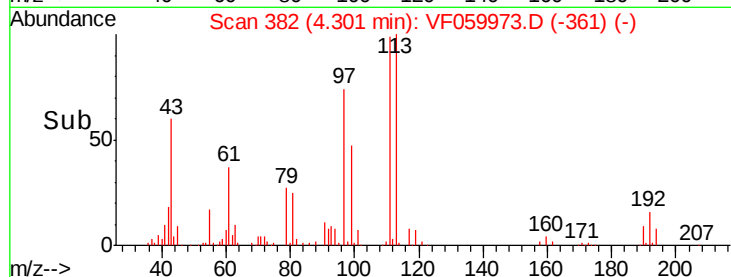
192 15.6 11.3 16.9



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: 92.874 ug/l

RT: 4.46 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

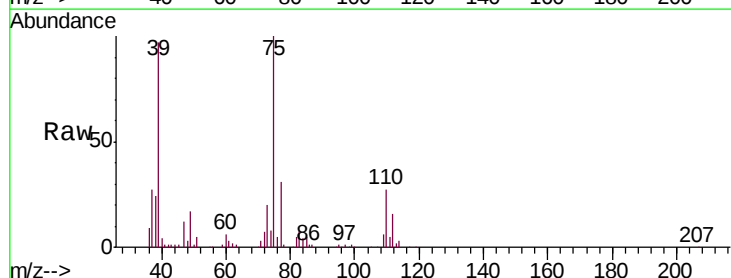
Tgt Ion: 75 Resp: 182778

Ion Ratio Lower Upper

75 100

110 26.6 13.1 39.3

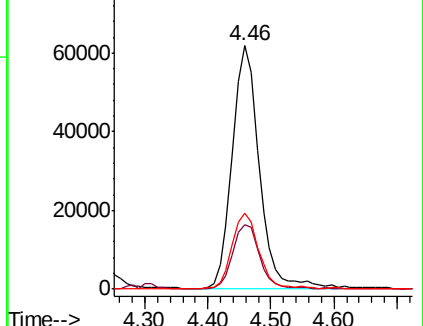
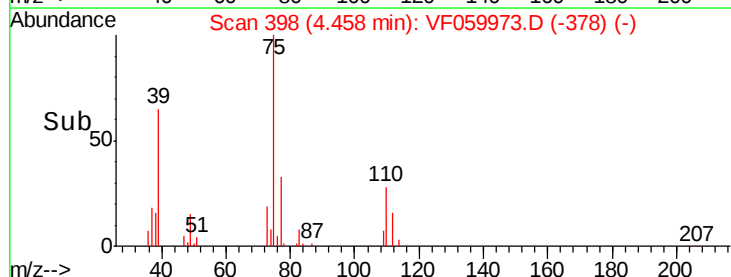
77 31.3 23.4 35.0

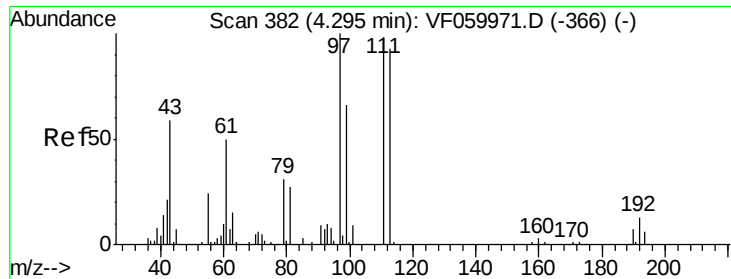


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

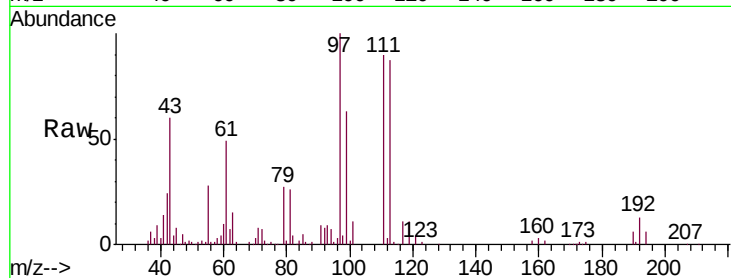




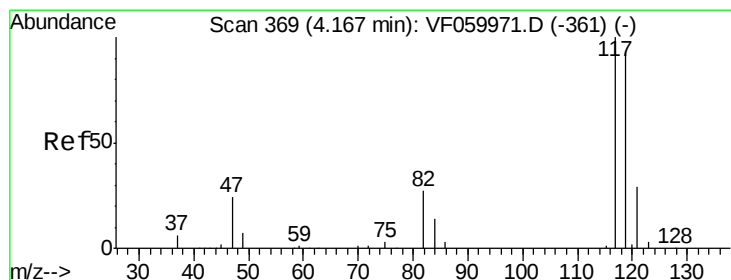
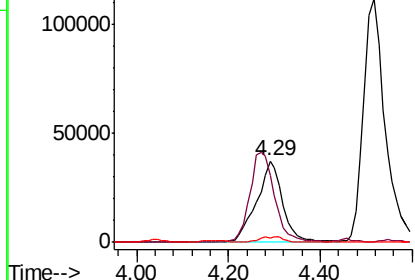
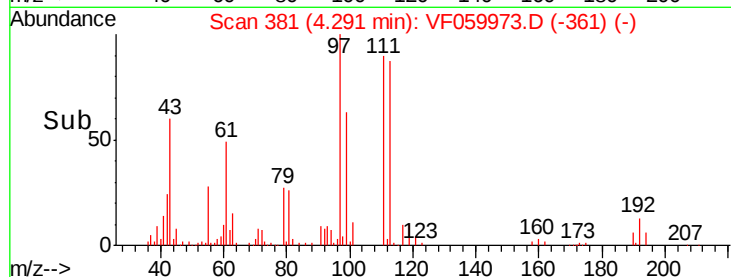
#37
Ethyl Acetate
Concen: 153.518 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 147462
Ion Ratio Lower Upper
43 100
61 82.4 67.0 100.4
70 5.7 6.7 10.1#

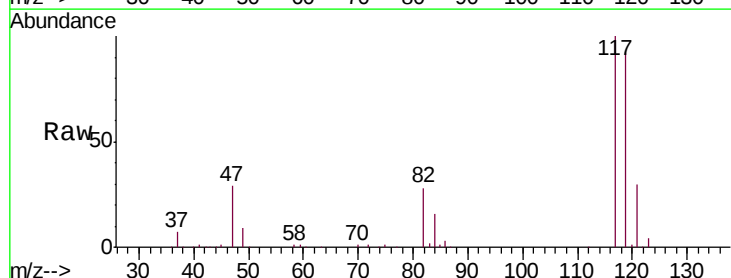


Abundance Ion 43.00 (42.70 to 43.70): VF0
150000 Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

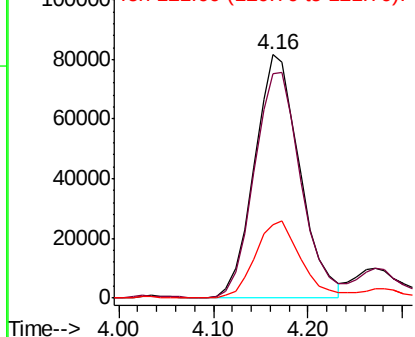
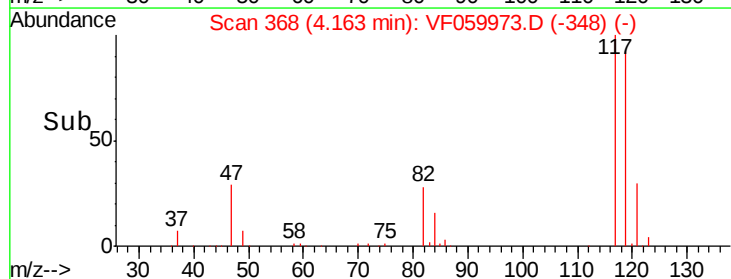


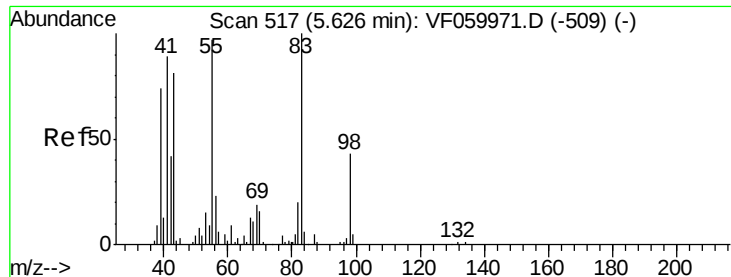
#38
Carbon Tetrachloride
Concen: 84.236 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 117 Resp: 269150
Ion Ratio Lower Upper
117 100
119 92.1 73.6 110.4
121 30.3 23.4 35.2



Abundance Ion 117.00 (116.70 to 117.70): V
100000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

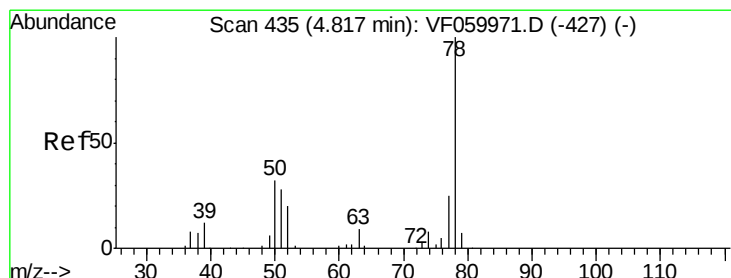
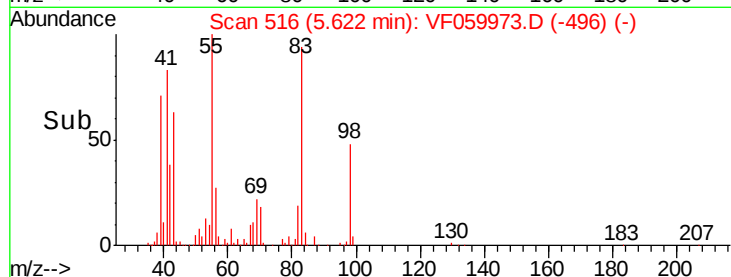
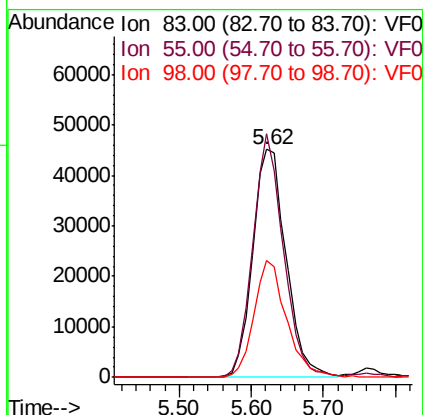
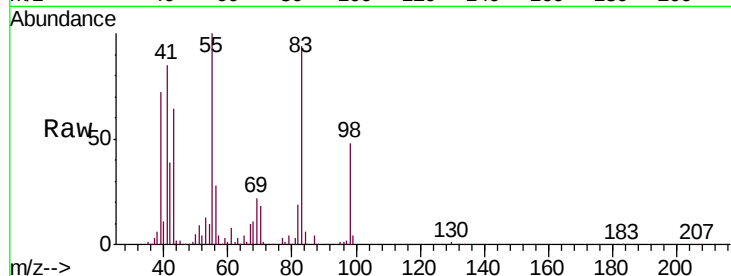




#39
Methylcyclohexane
Concen: 101.800 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

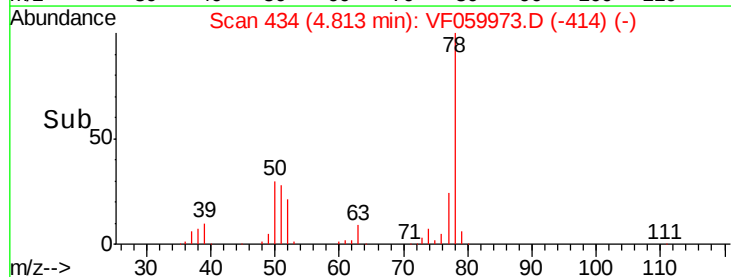
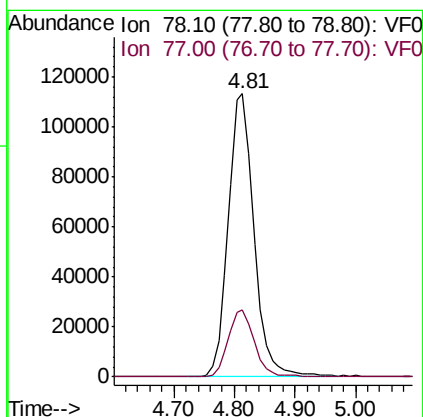
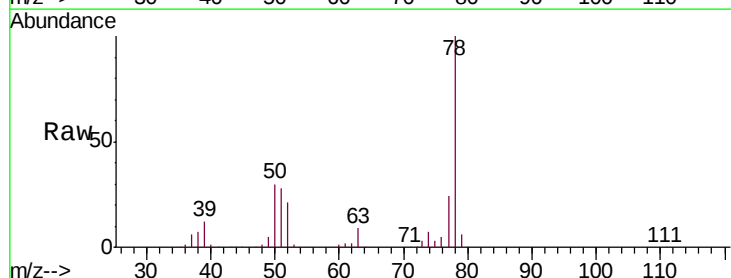
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

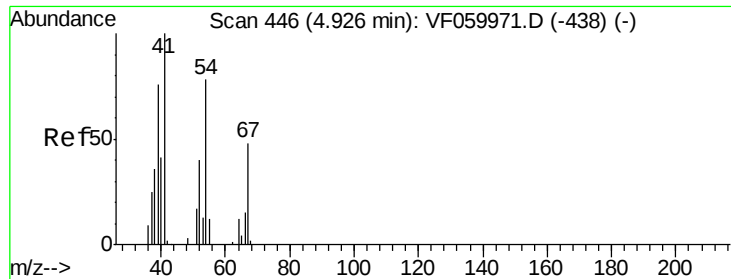
Tgt Ion: 83 Resp: 145345
Ion Ratio Lower Upper
83 100
55 106.8 77.7 116.5
98 51.5 34.2 51.4#



#40
Benzene
Concen: 101.321 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 78 Resp: 335144
Ion Ratio Lower Upper
78 100
77 23.7 20.3 30.5

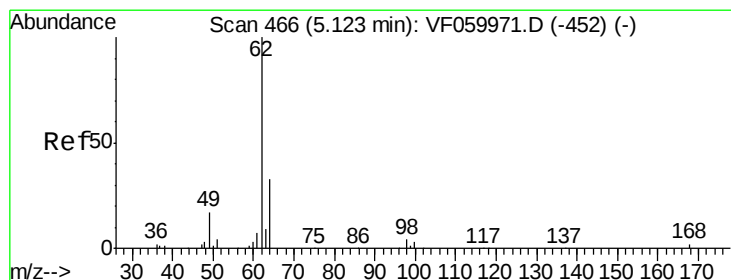
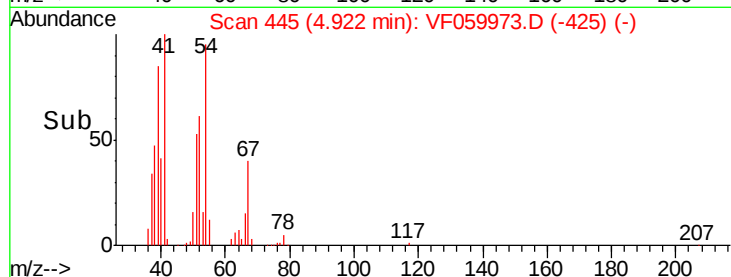
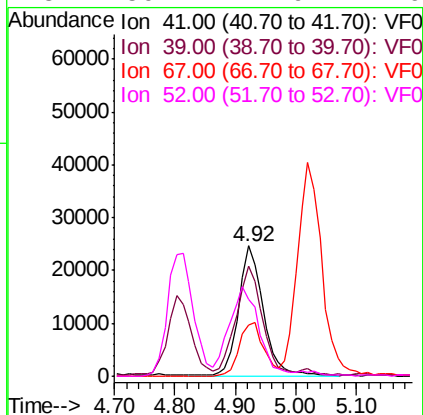
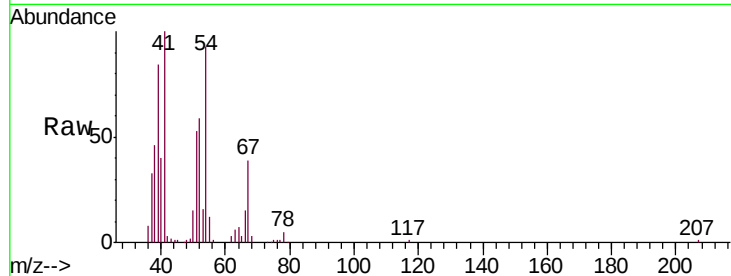




#41
Methacrylonitrile
Concen: 152.050 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

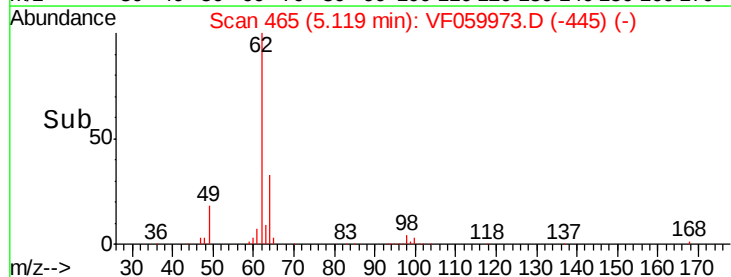
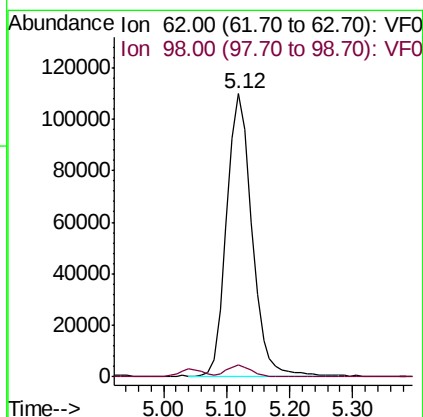
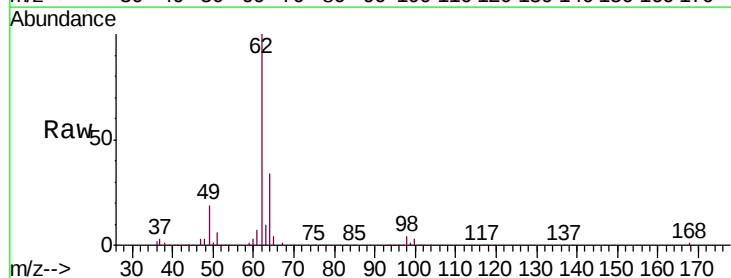
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

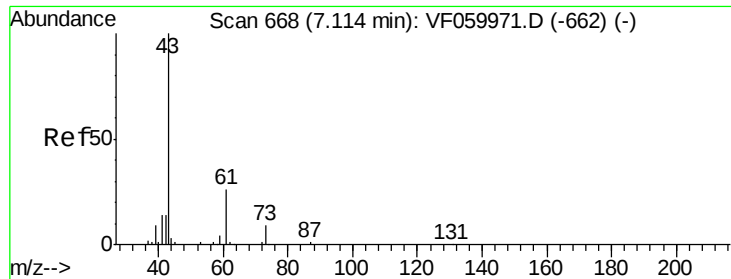
Tgt Ion:	41	Resp:	69524
Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.9	104.9
67	39.2	38.6	58.0
52	59.2	47.9	71.9



#42
1,2-Dichloroethane
Concen: 112.533 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion:	62	Resp:	306212
Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	8.2



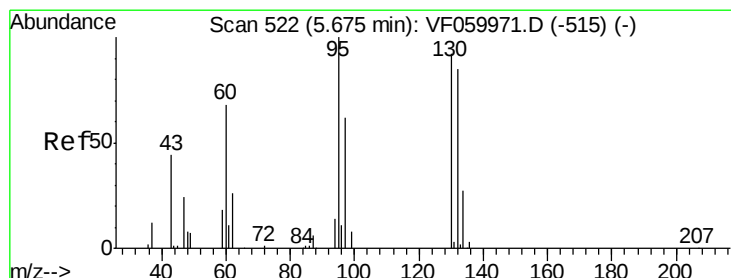
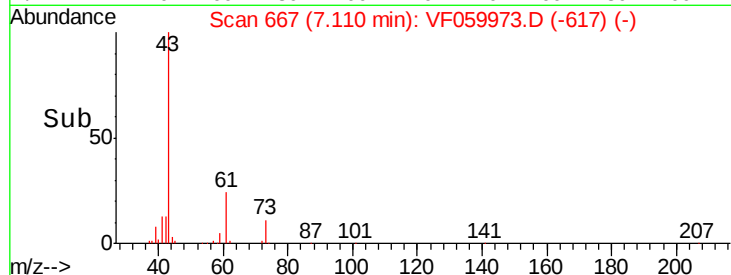
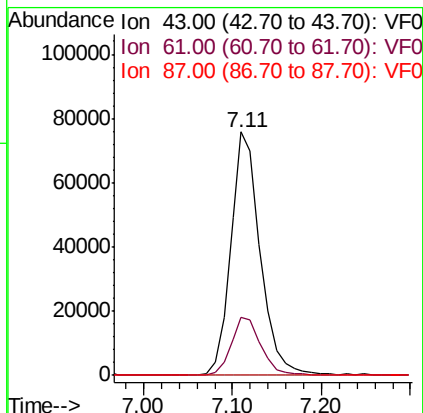
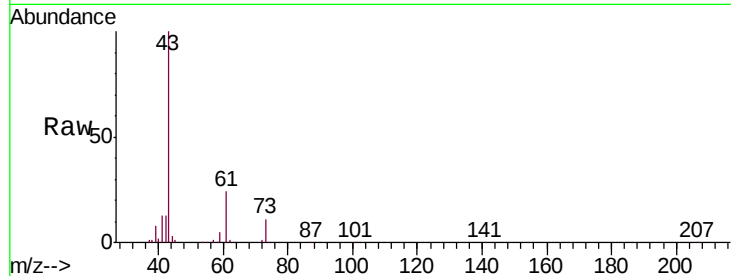


#43

Isopropyl Acetate
 Concen: 166.248 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

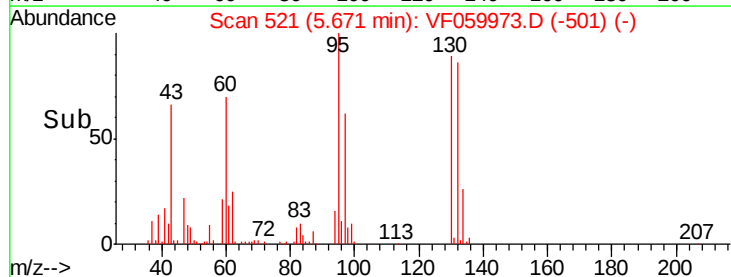
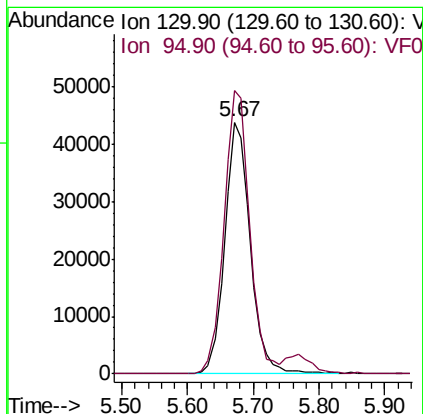
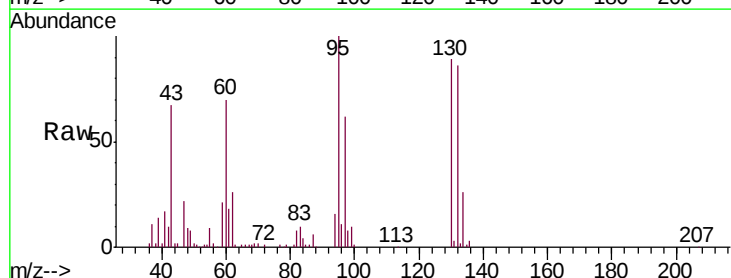
Tgt Ion: 43 Resp: 174417
 Ion Ratio Lower Upper
 43 100
 61 23.7 20.8 31.2
 87 0.4 0.5 0.7#

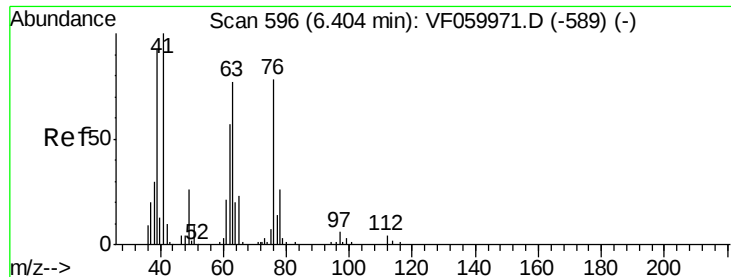


#44

Trichloroethene
 Concen: 92.799 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 130 Resp: 119008
 Ion Ratio Lower Upper
 130 100
 95 112.5 0.0 218.4

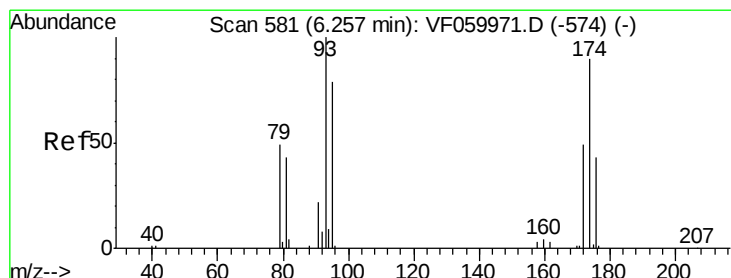
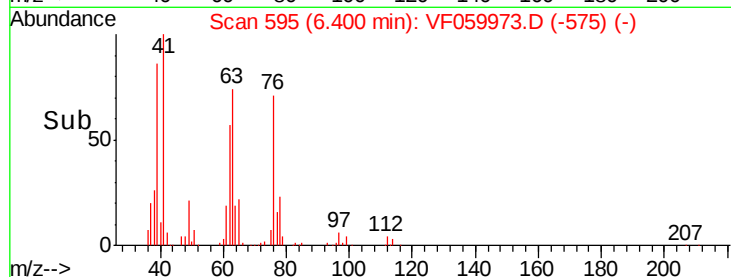
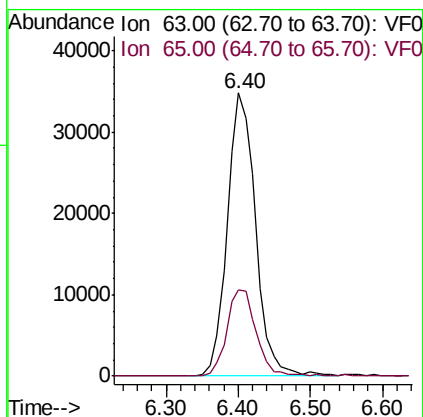
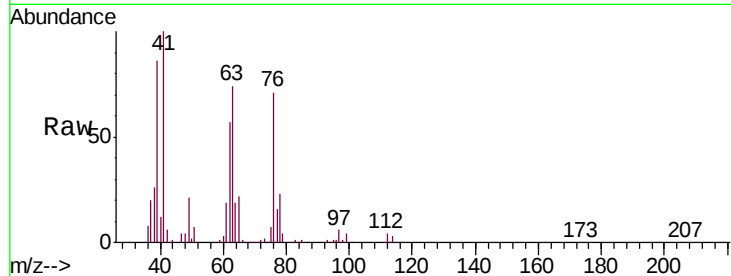




#45
 1,2-Dichloropropane
 Concen: 105.911 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

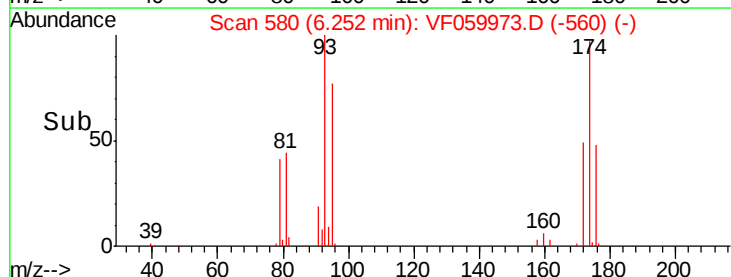
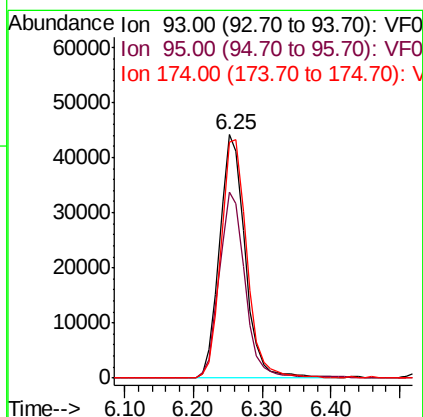
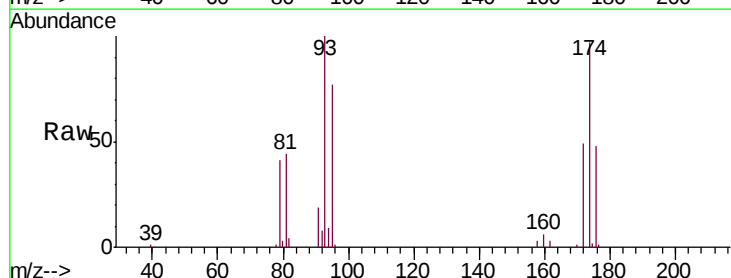
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

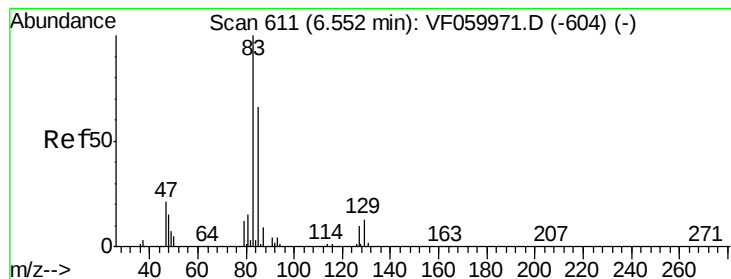
Tgt Ion: 63 Resp: 95040
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.8 35.6



#46
 Dibromomethane
 Concen: 125.068 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 93 Resp: 113720
 Ion Ratio Lower Upper
 93 100
 95 76.6 64.0 96.0
 174 99.4 71.8 107.8





#47

Bromodichloromethane

Concen: 104.397 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

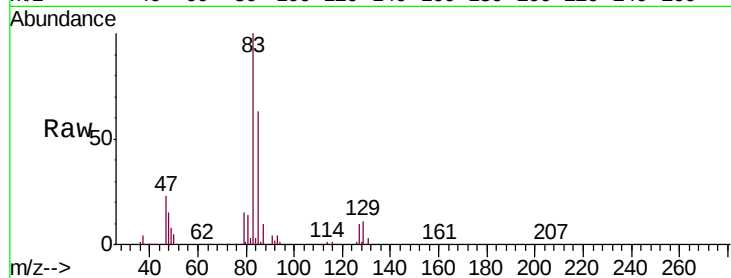
Tgt Ion: 83 Resp: 266434

Ion Ratio Lower Upper

83 100

85 63.2 53.2 79.8

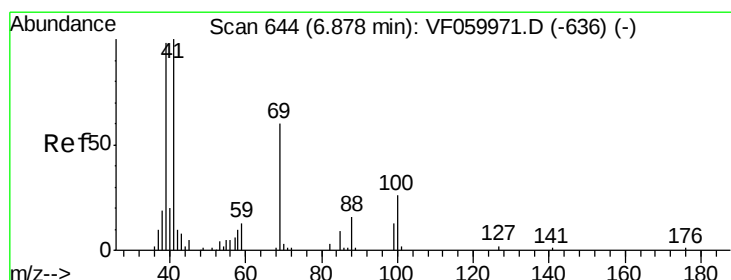
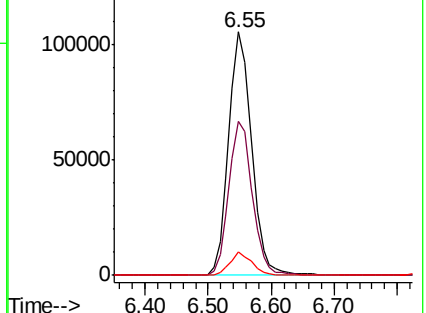
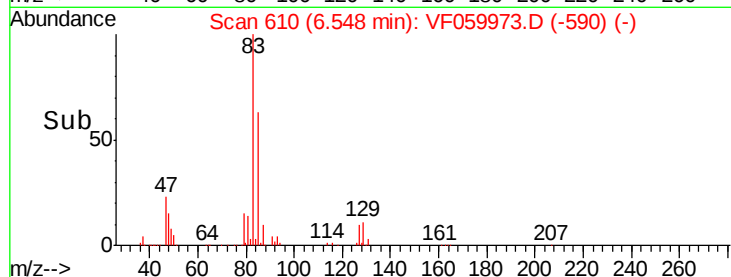
127 9.7 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 166.579 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

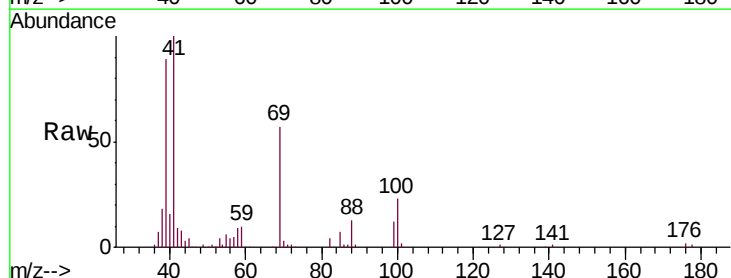
Tgt Ion: 41 Resp: 128363

Ion Ratio Lower Upper

41 100

69 56.6 48.1 72.1

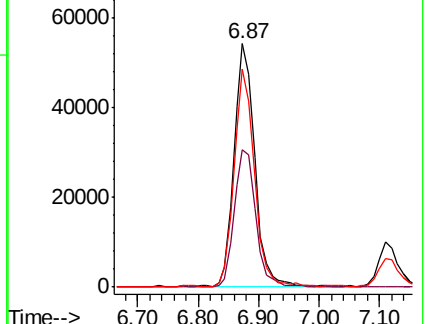
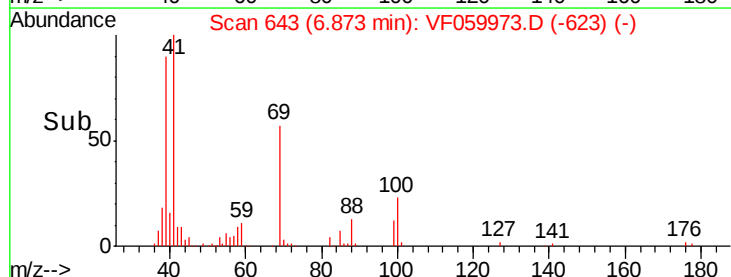
39 89.3 79.3 118.9

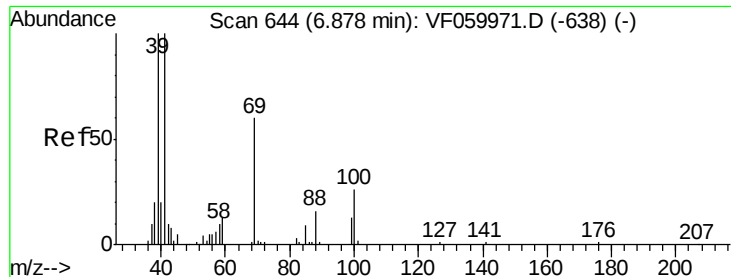


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

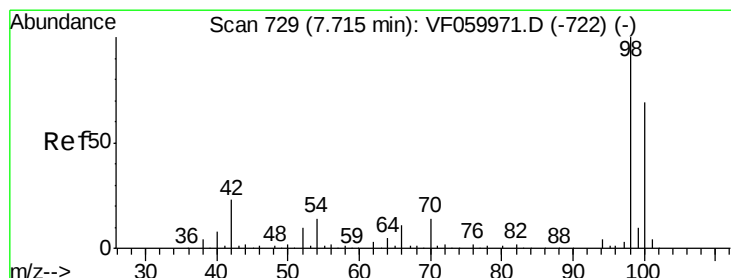
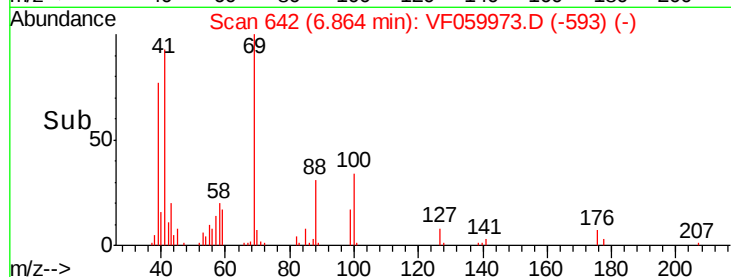
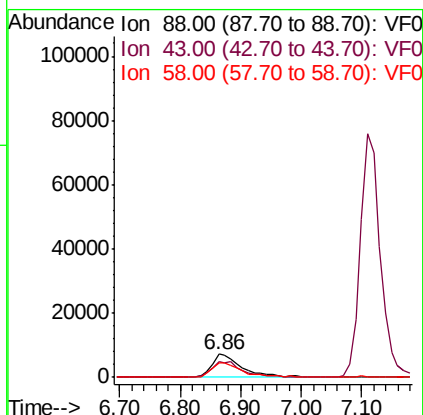
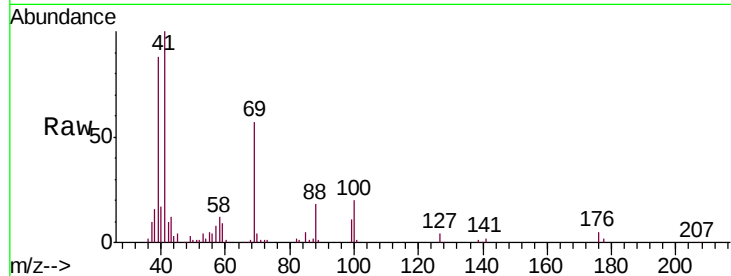




#49
 1,4-Dioxane
 Concen: 3996.150 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

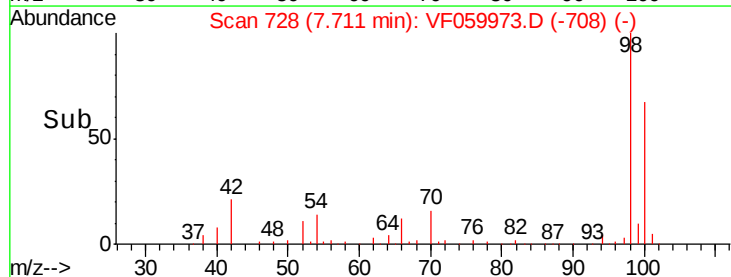
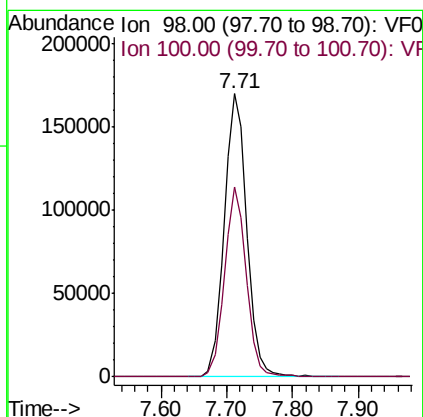
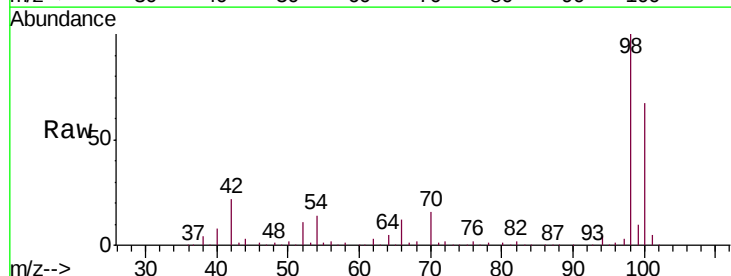
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

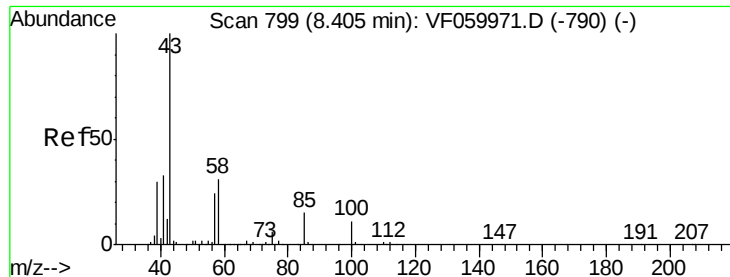
Tgt Ion: 88 Resp: 24855
 Ion Ratio Lower Upper
 88 100
 43 66.5 45.3 67.9
 58 65.2 51.2 76.8



#50
 Toluene-d8
 Concen: 103.669 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 98 Resp: 407262
 Ion Ratio Lower Upper
 98 100
 100 67.2 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 748.943 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

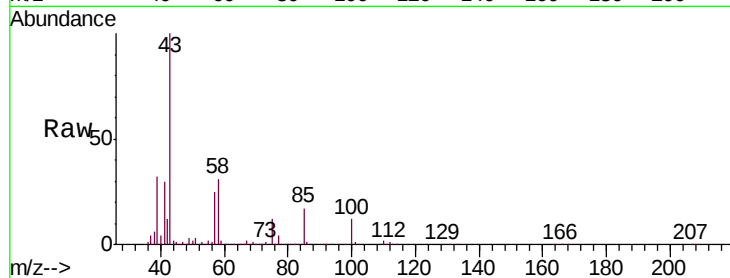
VSTDIC100

Tgt Ion: 43 Resp: 746491

Ion Ratio Lower Upper

43 100

58 30.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

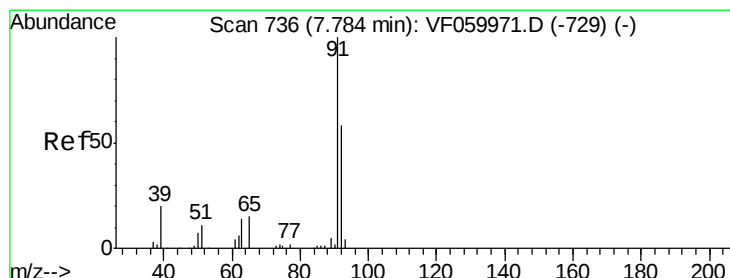
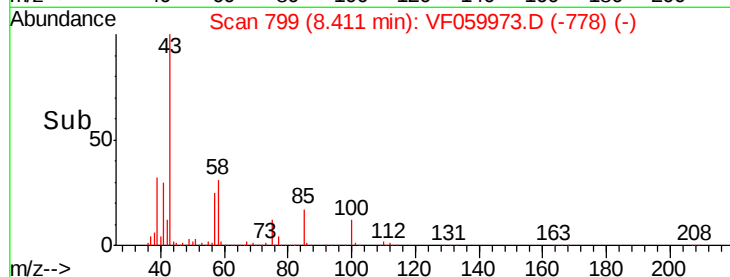
300000

200000

100000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 97.695 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059973.D

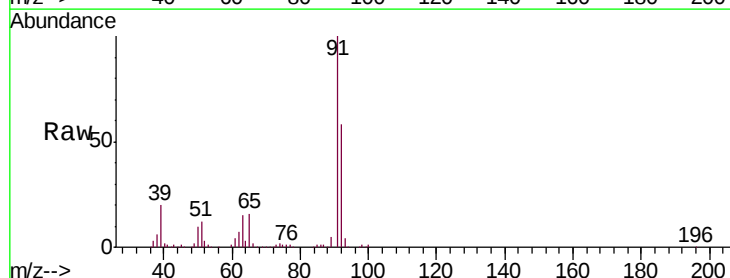
Acq: 16 Aug 2018 21:31

Tgt Ion: 92 Resp: 241957

Ion Ratio Lower Upper

92 100

91 171.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

200000

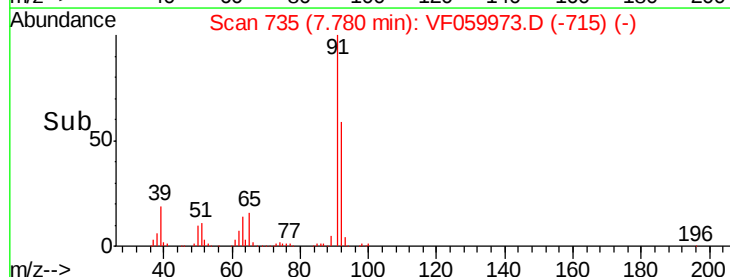
150000

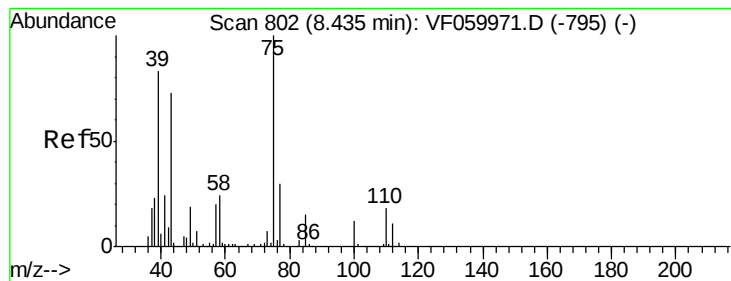
100000

50000

0

Time--> 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 112.393 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

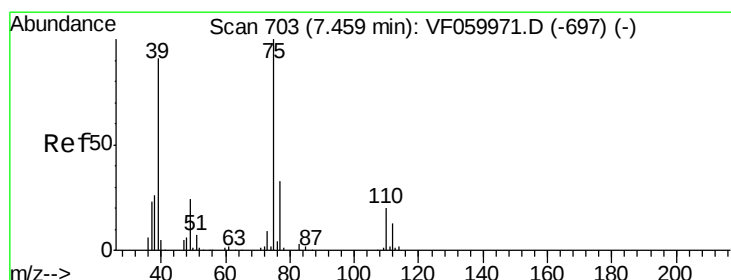
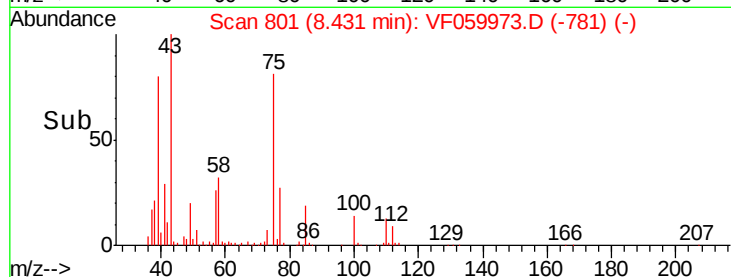
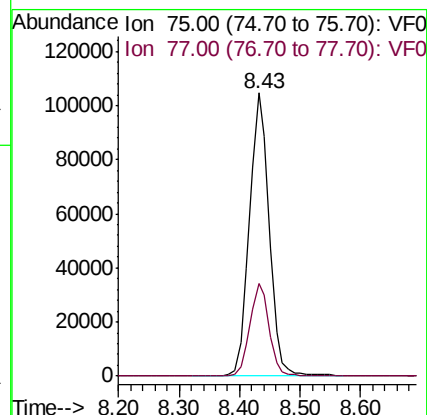
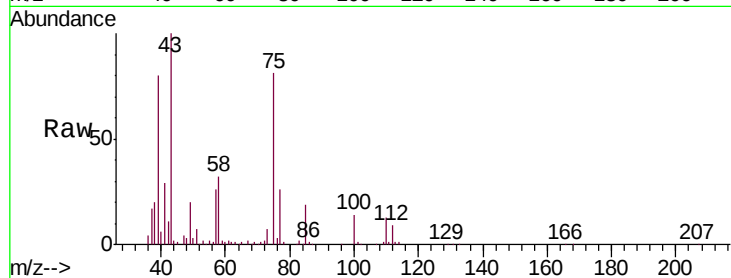
VSTDIC100

Tgt Ion: 75 Resp: 238158

Ion Ratio Lower Upper

75 100

77 32.6 23.5 35.3



#54

cis-1,3-Dichloropropene

Concen: 109.940 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

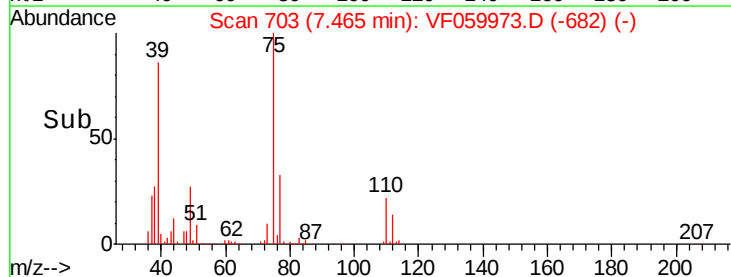
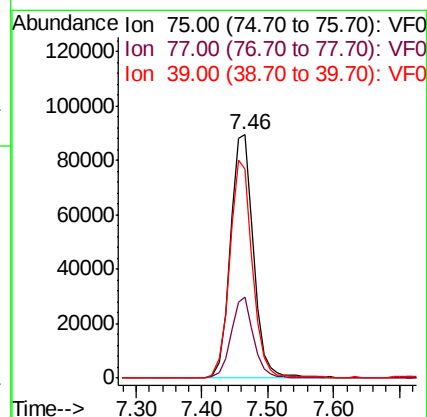
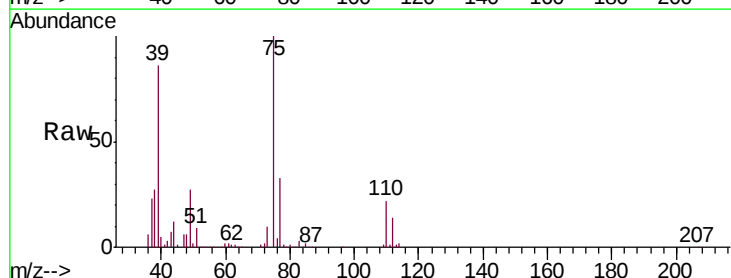
Tgt Ion: 75 Resp: 220459

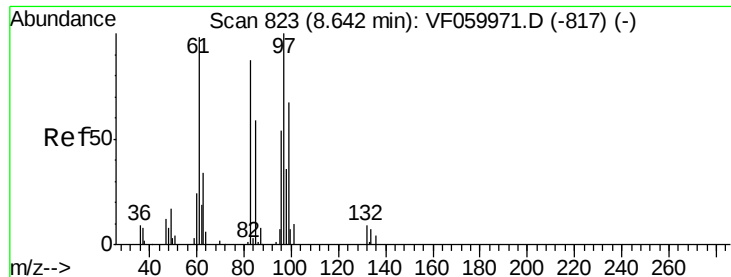
Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.4

39 86.1 73.2 109.8





#55

1,1,2-Trichloroethane

Concen: 134.533 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 120553

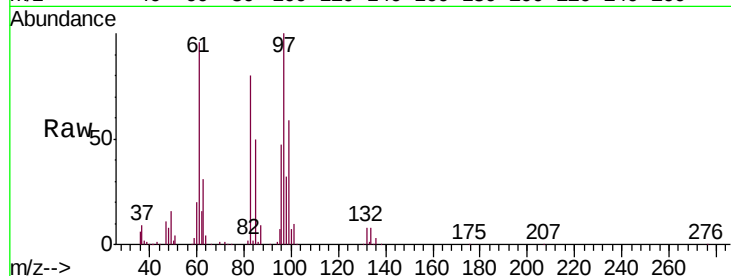
Ion Ratio Lower Upper

97 100

83 80.1 69.7 104.5

85 49.5 47.4 71.2

99 59.4 53.8 80.6

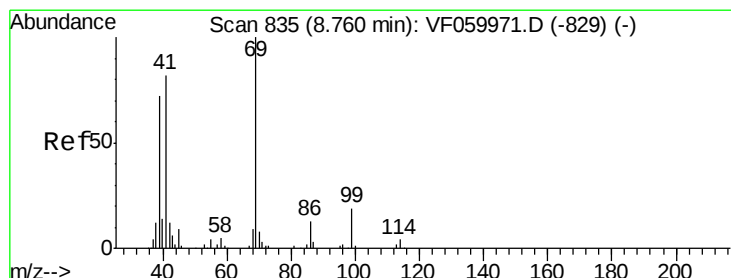
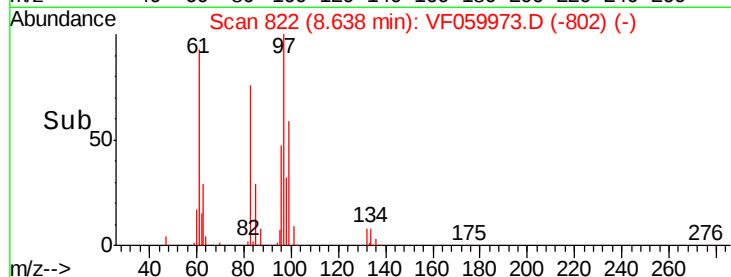
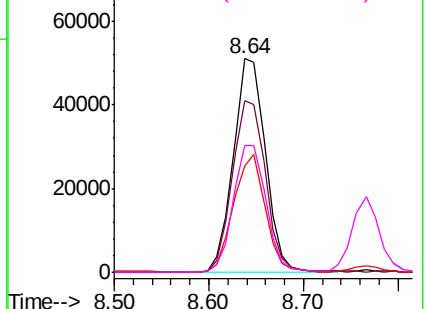


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 153.299 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

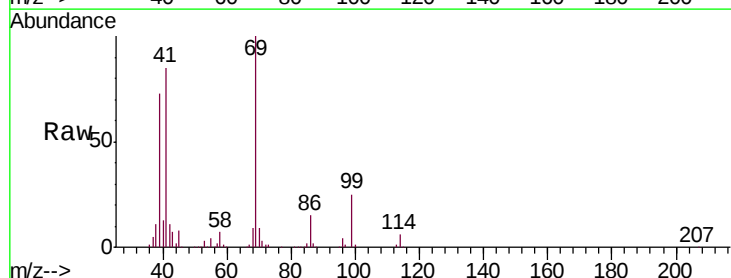
Tgt Ion: 69 Resp: 153617

Ion Ratio Lower Upper

69 100

41 85.0 65.6 98.4

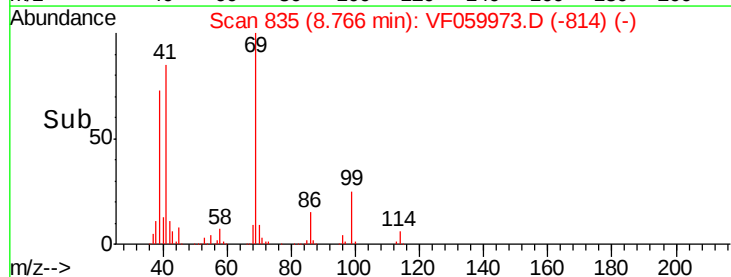
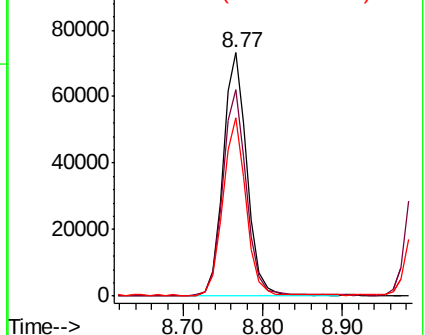
39 73.1 58.1 87.1

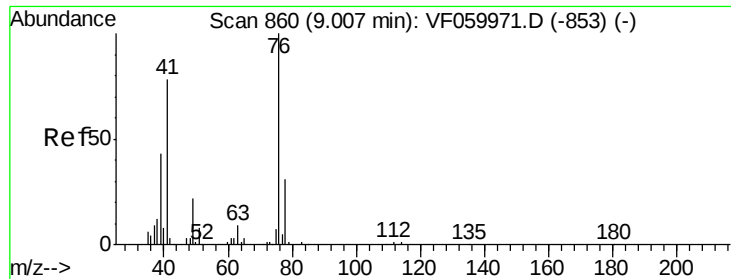


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 127.998 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

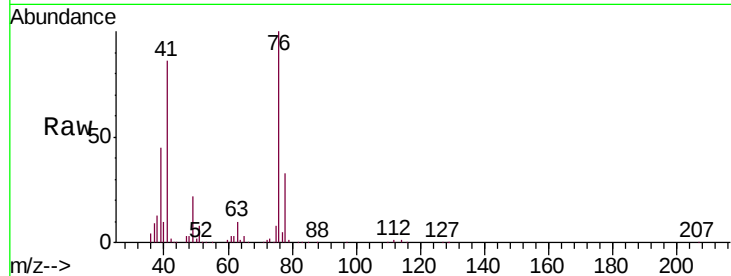
VSTDIC100

Tgt Ion: 76 Resp: 210116

Ion Ratio Lower Upper

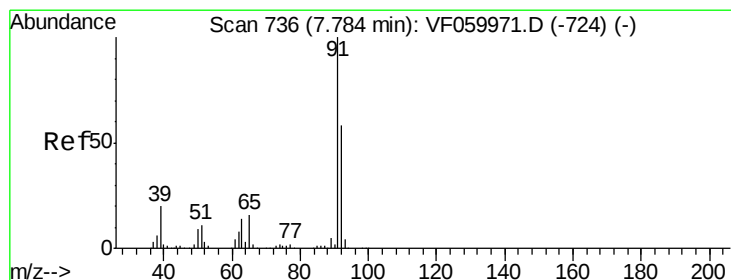
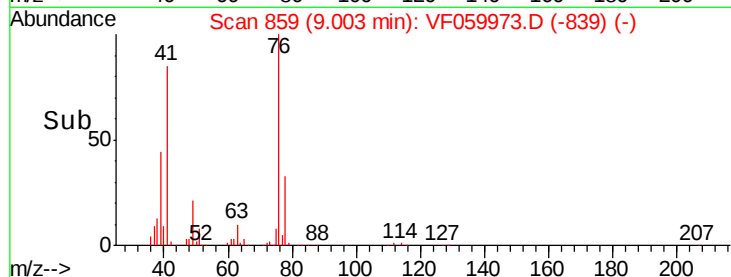
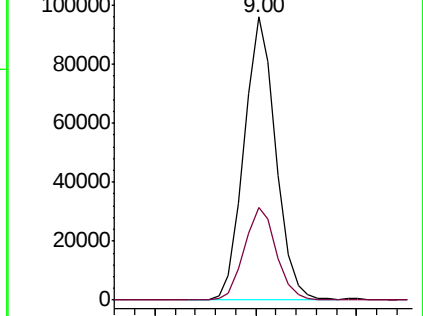
76 100

78 32.7 24.7 37.1



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: 487.764 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059973.D

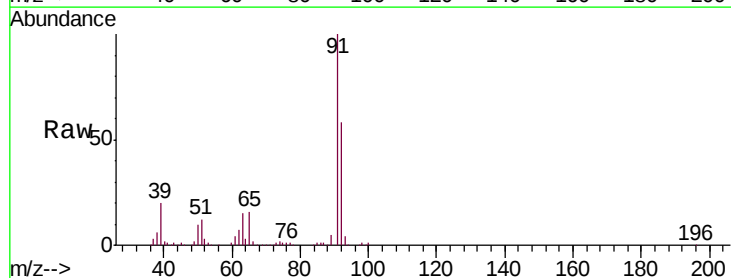
Acq: 16 Aug 2018 21:31

Tgt Ion: 63 Resp: 59560

Ion Ratio Lower Upper

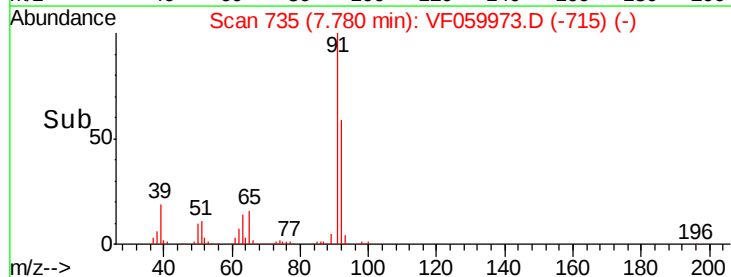
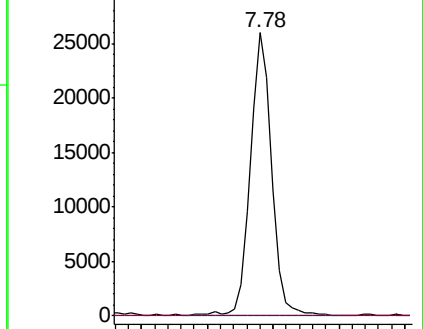
63 100

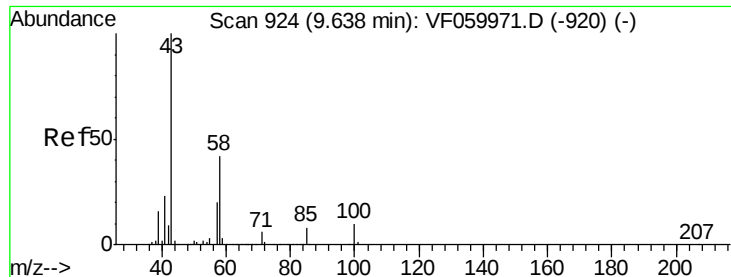
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

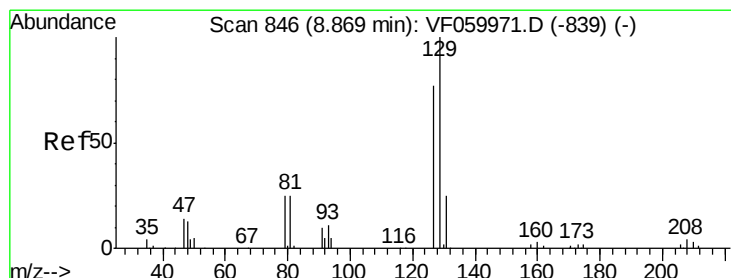
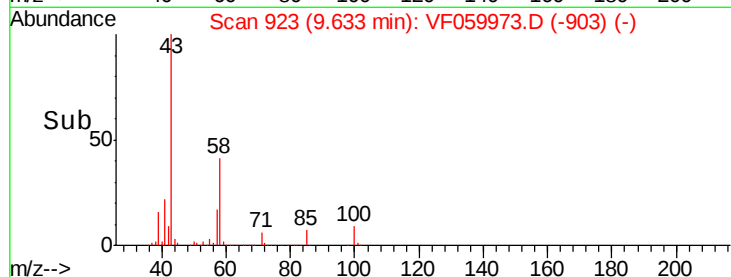
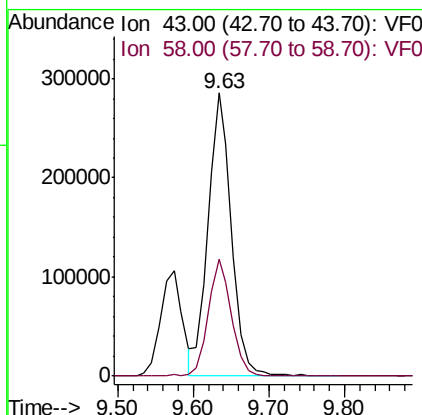
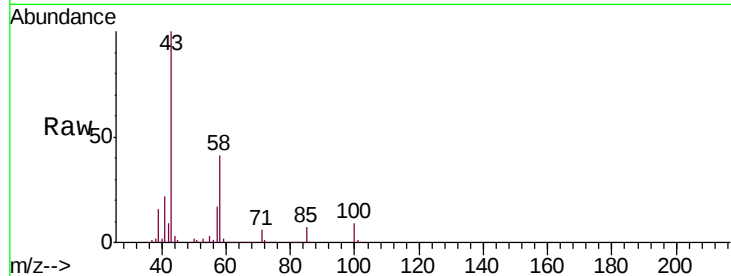




#59
2-Hexanone
Concen: 818.406 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

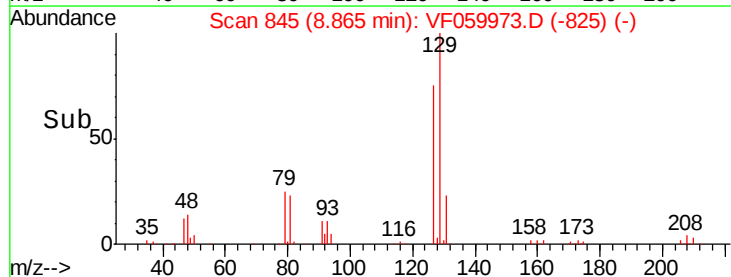
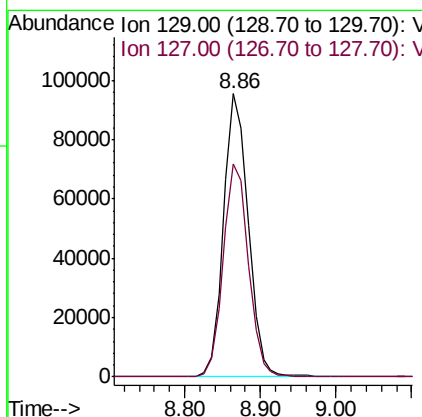
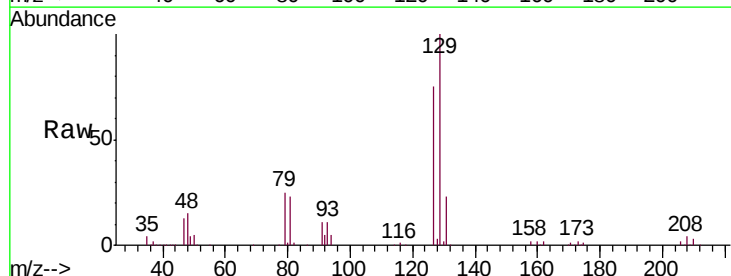
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

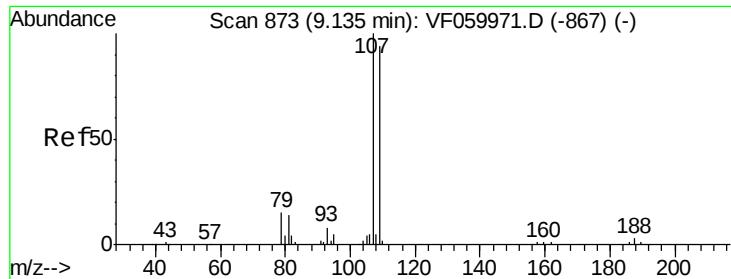
Tgt Ion: 43 Resp: 613149
Ion Ratio Lower Upper
43 100
58 41.3 19.8 59.3



#60
Dibromochloromethane
Concen: 124.147 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion: 129 Resp: 215975
Ion Ratio Lower Upper
129 100
127 75.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 137.570 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

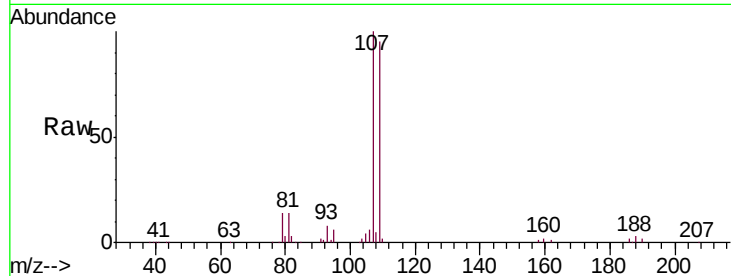
VSTDIC100

Tgt Ion: 107 Resp: 155997

Ion Ratio Lower Upper

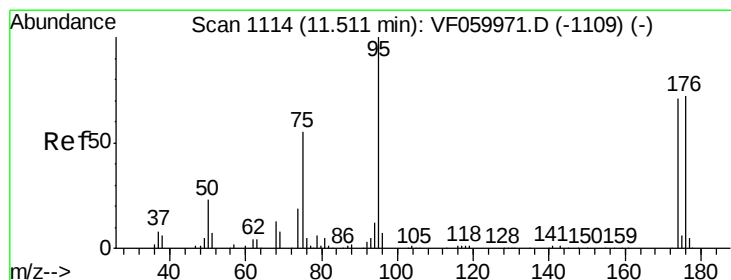
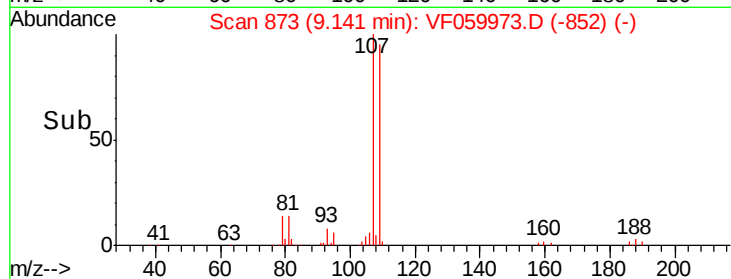
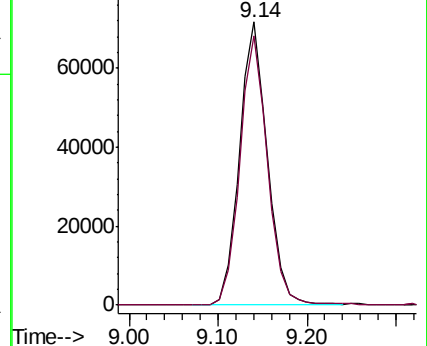
107 100

109 95.0 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 108.567 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

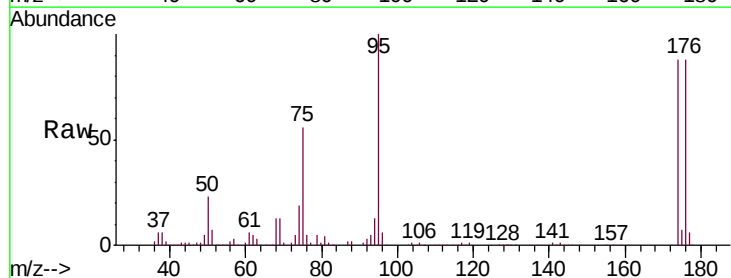
Tgt Ion: 95 Resp: 241538

Ion Ratio Lower Upper

95 100

174 88.1 0.0 142.8

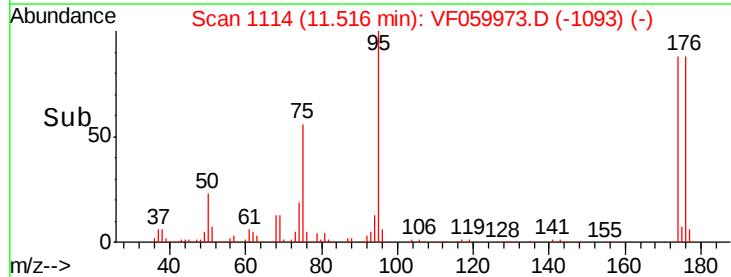
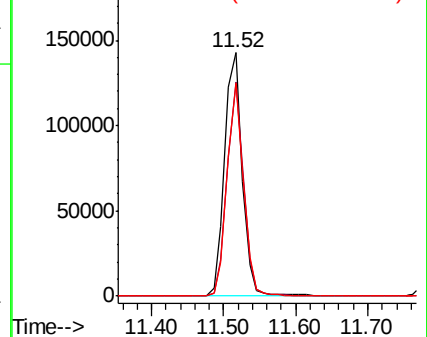
176 87.6 0.0 143.4

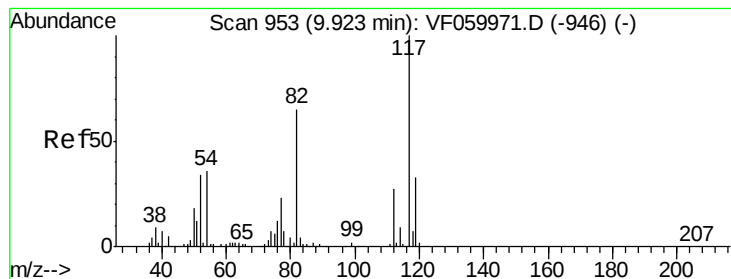


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

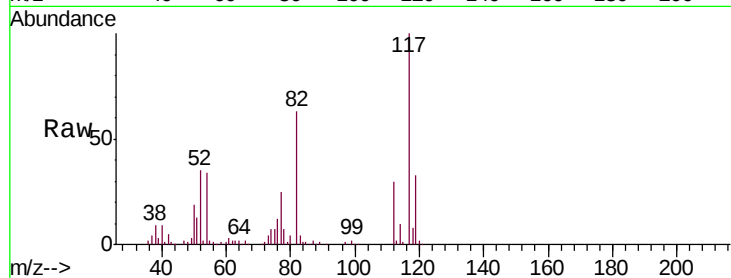
Tgt Ion:117 Resp: 191856

Ion Ratio Lower Upper

117 100

82 63.1 52.0 78.0

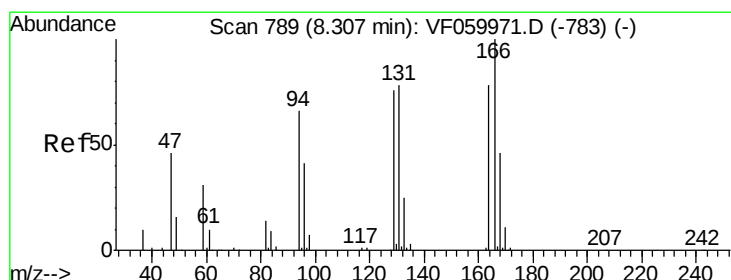
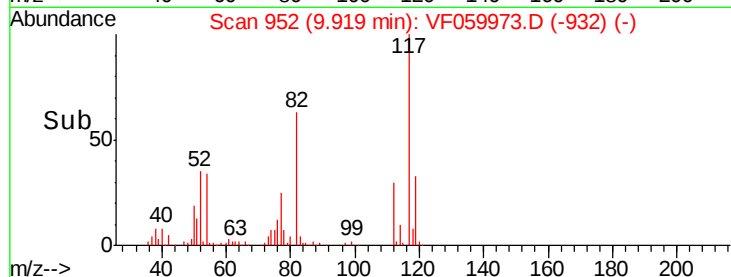
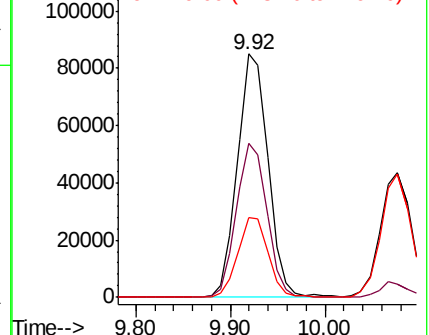
119 32.7 26.6 39.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 92.069 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:164 Resp: 137181

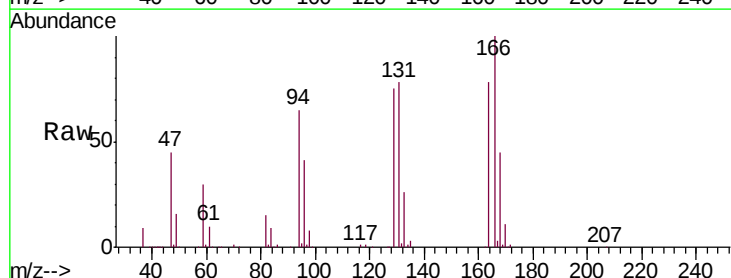
Ion Ratio Lower Upper

164 100

166 127.7 102.2 153.2

129 95.9 77.8 116.6

131 99.6 79.9 119.9

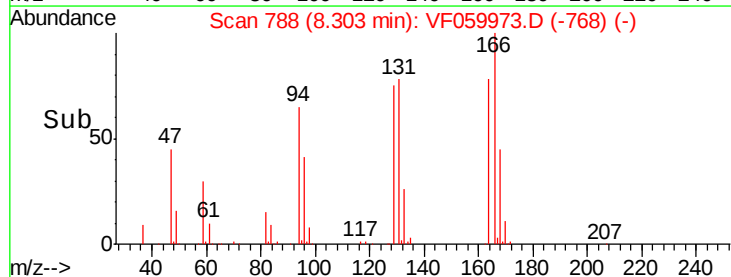
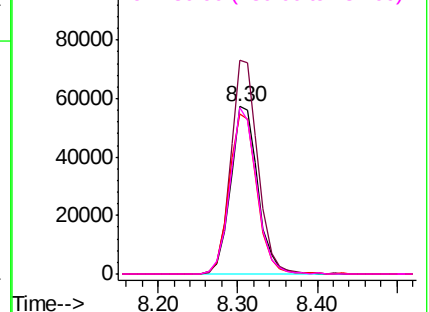


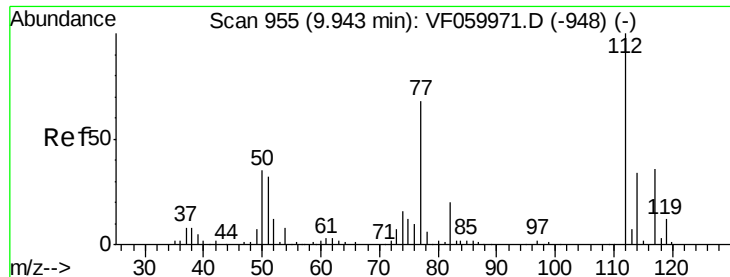
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 93.445 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

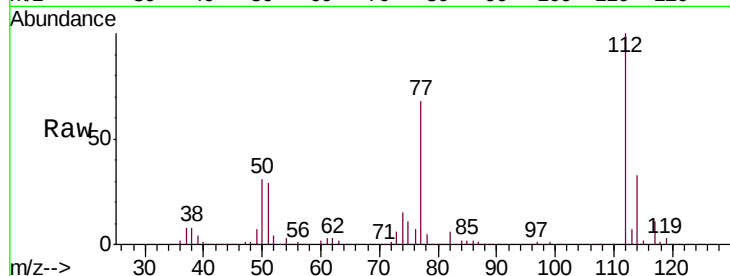
VSTDIC100

Tgt Ion:112 Resp: 345955

Ion Ratio Lower Upper

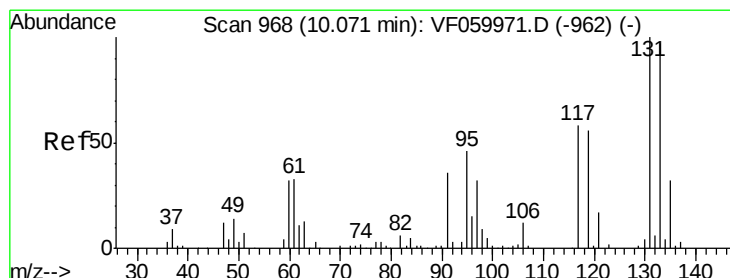
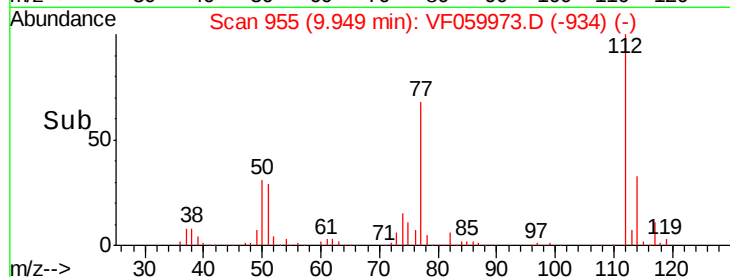
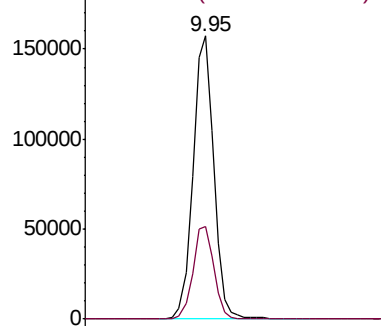
112 100

114 32.9 27.0 40.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 94.207 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

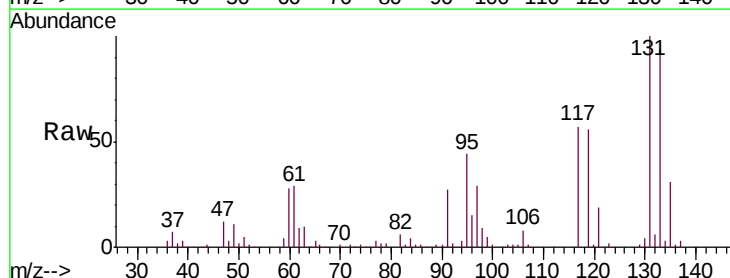
Tgt Ion:131 Resp: 168233

Ion Ratio Lower Upper

131 100

133 94.2 48.5 145.6

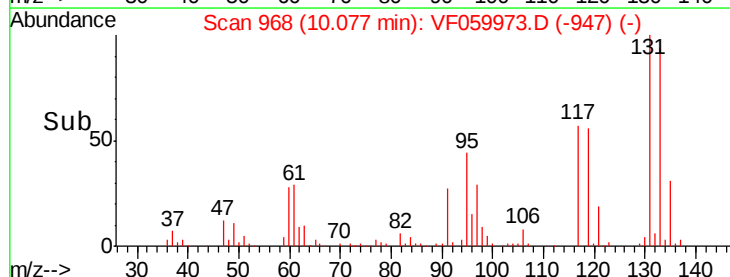
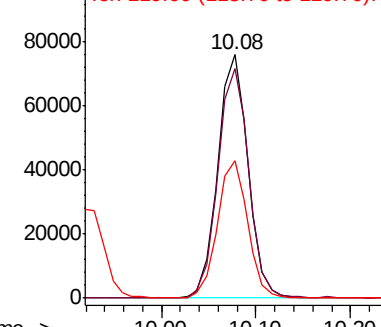
119 56.4 28.4 85.2

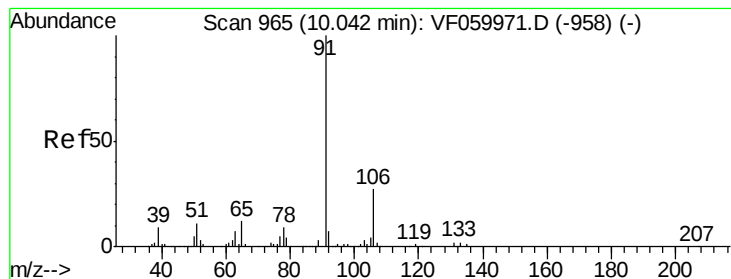


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 94.030 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

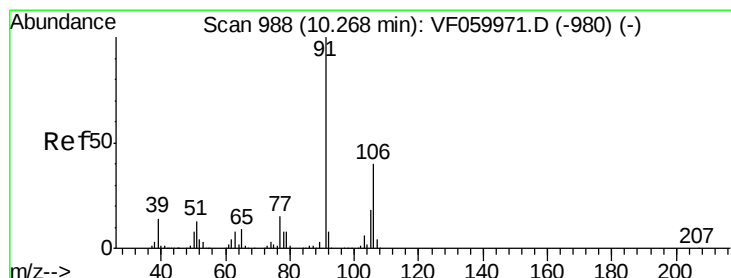
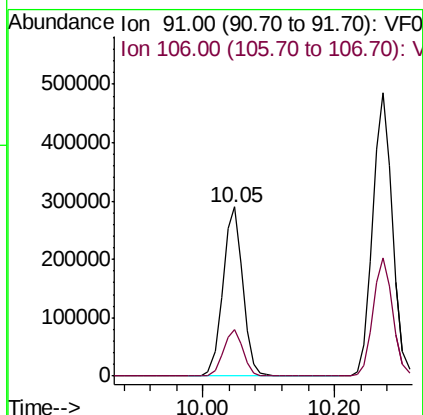
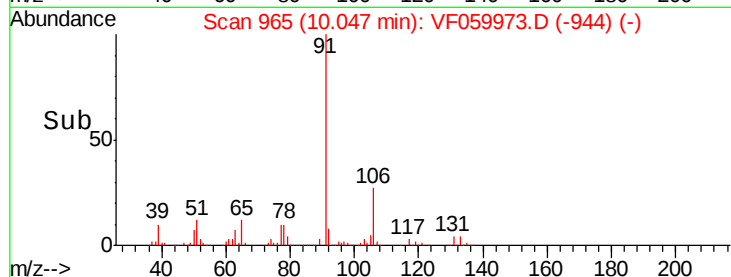
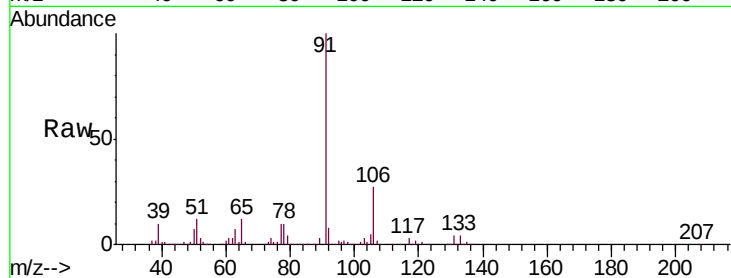
VSTDIC100

Tgt Ion: 91 Resp: 616568

Ion Ratio Lower Upper

91 100

106 27.3 21.8 32.8



#68

m/p-Xylenes

Concen: 192.488 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059973.D

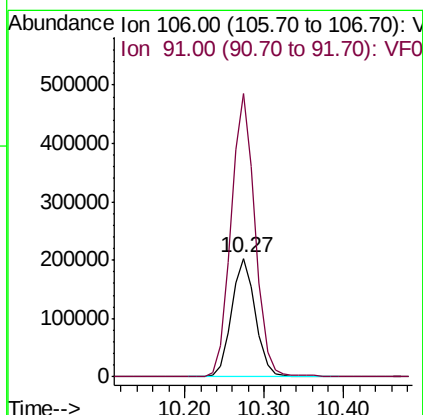
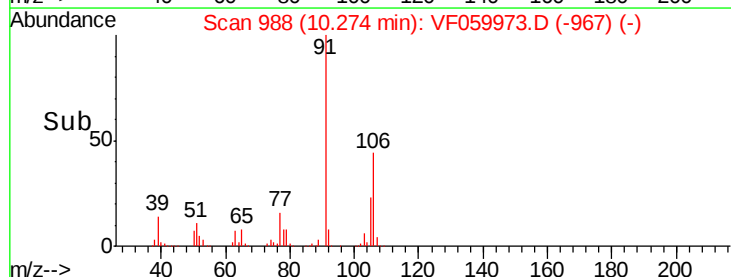
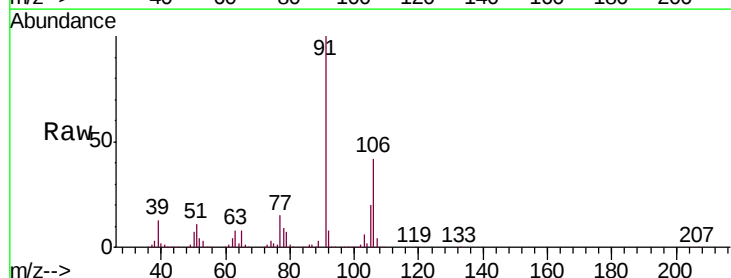
Acq: 16 Aug 2018 21:31

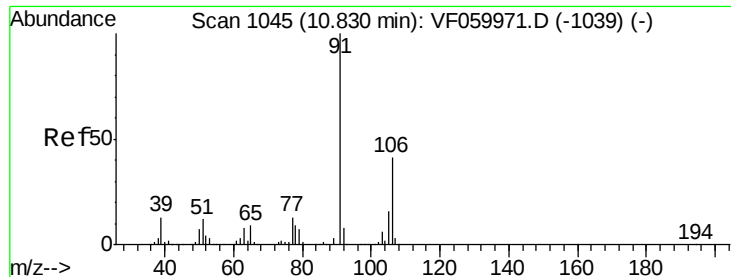
Tgt Ion: 106 Resp: 425326

Ion Ratio Lower Upper

106 100

91 238.9 198.0 297.0

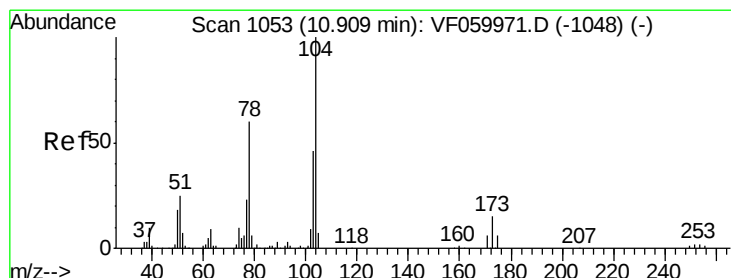
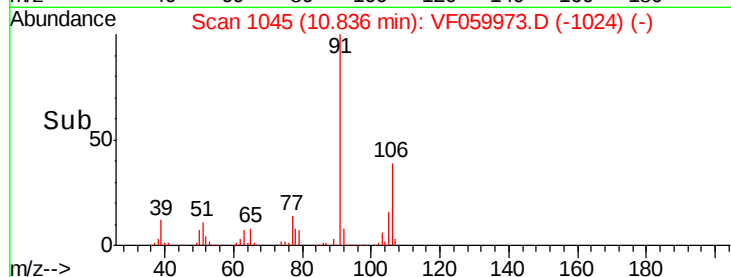
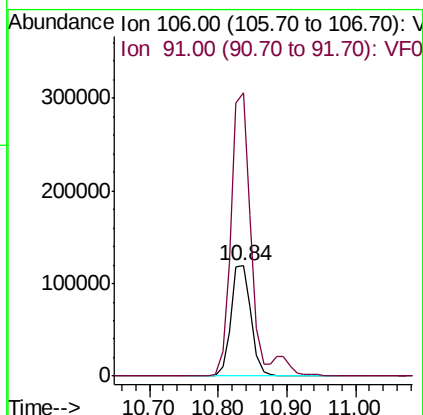
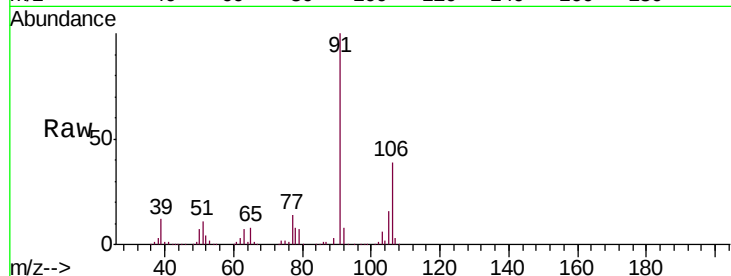




#69
o-Xylene
Concen: 100.168 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

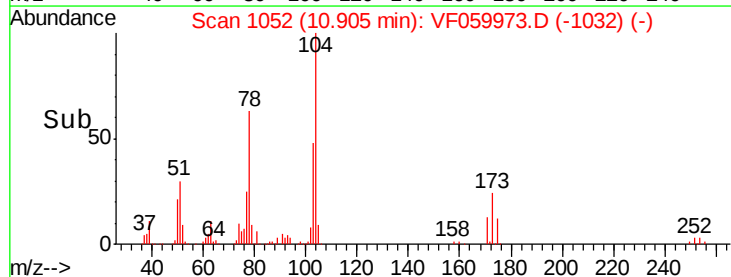
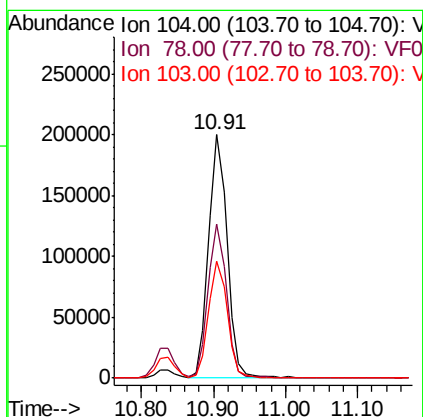
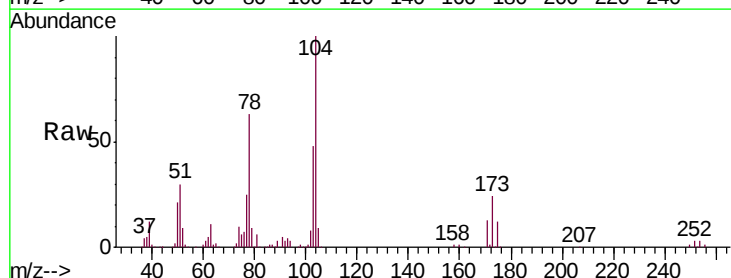
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

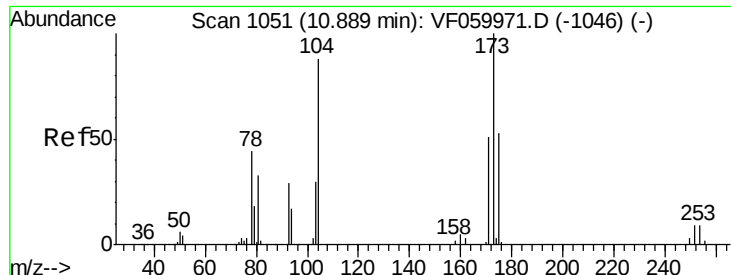
Tgt Ion:106 Resp: 239948
Ion Ratio Lower Upper
106 100
91 256.3 121.9 365.7



#70
Styrene
Concen: 99.788 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion:104 Resp: 358637
Ion Ratio Lower Upper
104 100
78 63.1 49.0 73.4
103 48.1 37.5 56.3





#71

Bromoform

Concen: 126.931 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

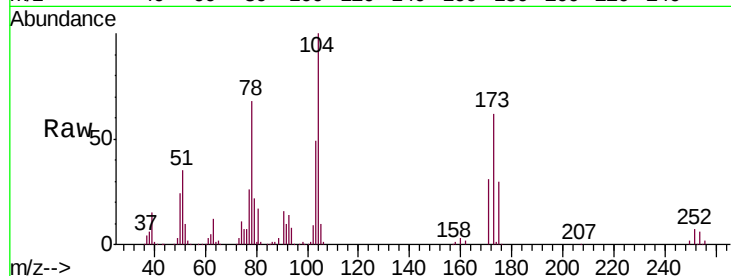
Tgt Ion:173 Resp: 149622

Ion Ratio Lower Upper

173 100

175 48.8 26.3 78.8

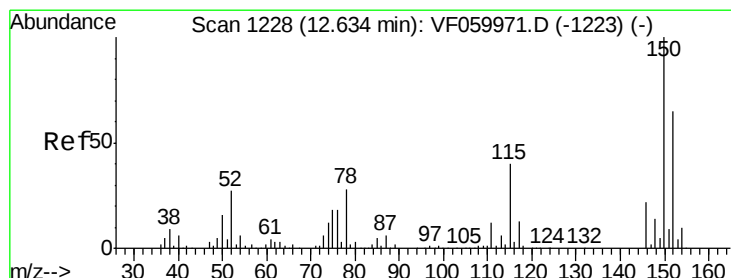
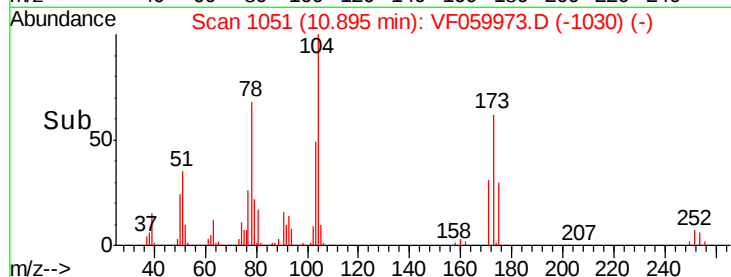
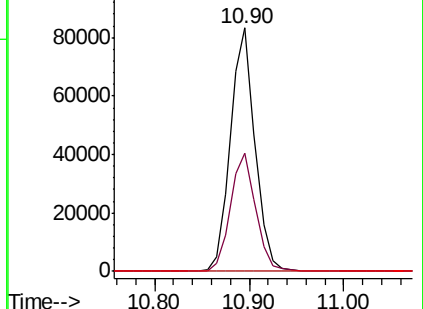
254 0.3 0.0 0.0#



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: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

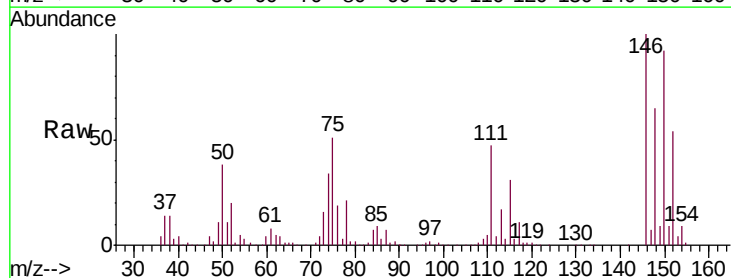
Tgt Ion:152 Resp: 127794

Ion Ratio Lower Upper

152 100

115 58.0 30.6 92.0

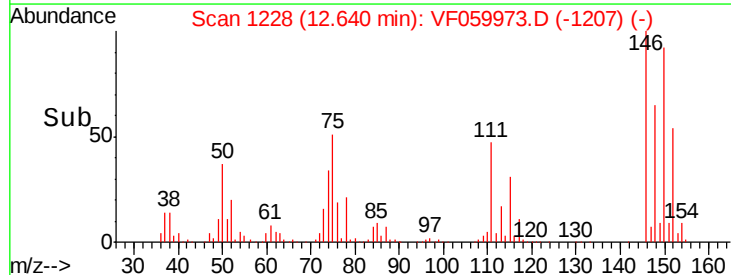
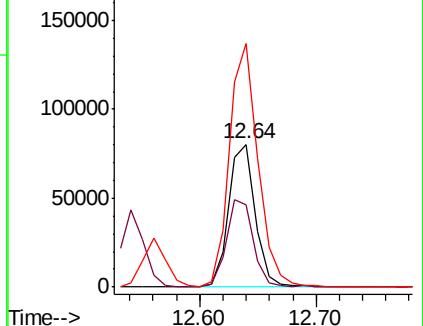
150 170.3 0.0 308.2

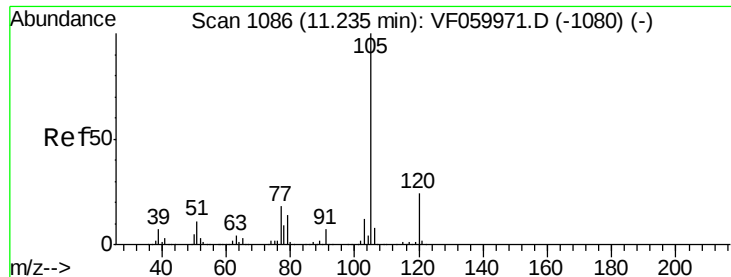


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 93.426 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

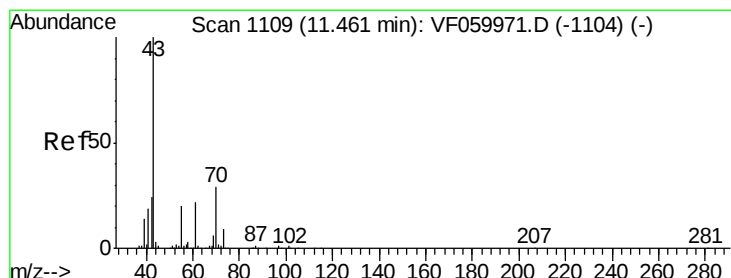
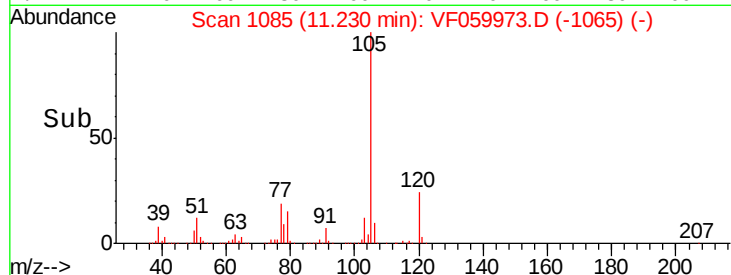
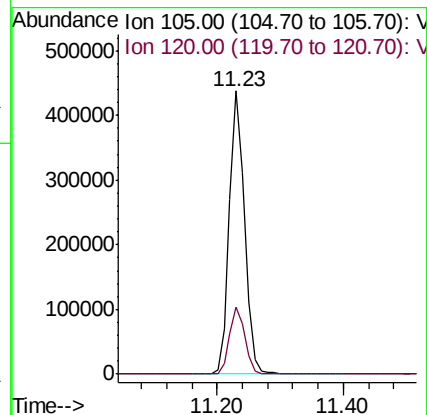
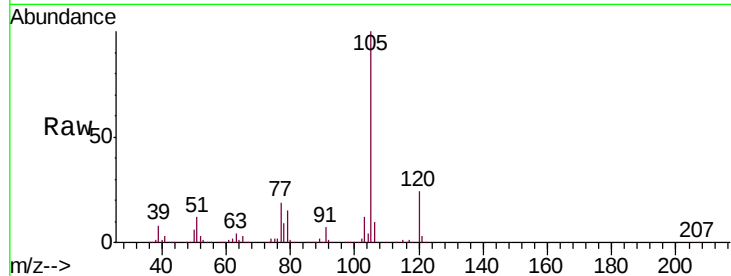
VSTDIC100

Tgt Ion:105 Resp: 738182

Ion Ratio Lower Upper

105 100

120 23.8 11.9 35.5



#74

N-ethyl acetate

Concen: 148.441 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion: 43 Resp: 284280

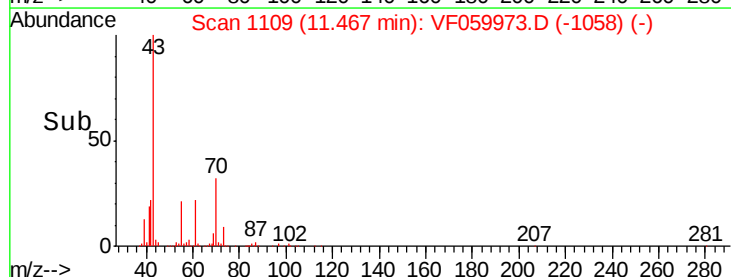
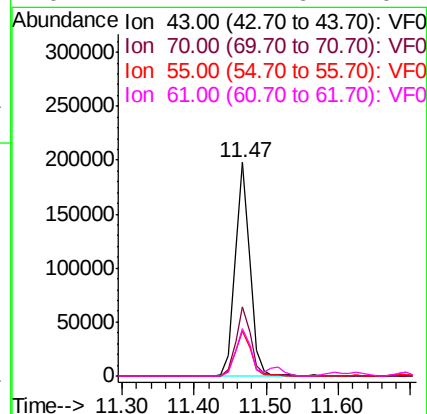
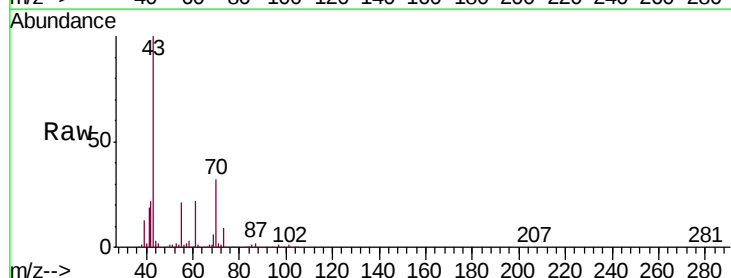
Ion Ratio Lower Upper

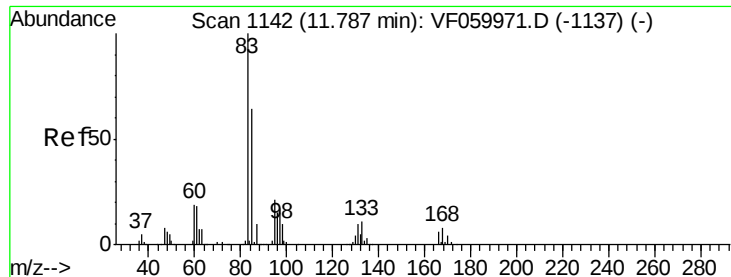
43 100

70 32.1 23.2 34.8

55 21.1 15.8 23.8

61 22.4 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 123.336 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

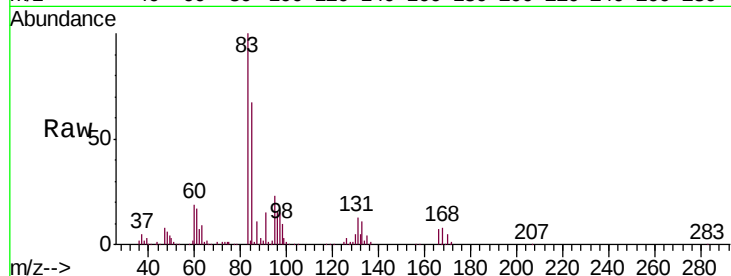
Tgt Ion: 83 Resp: 176449

Ion Ratio Lower Upper

83 100

131 12.9 5.1 15.4

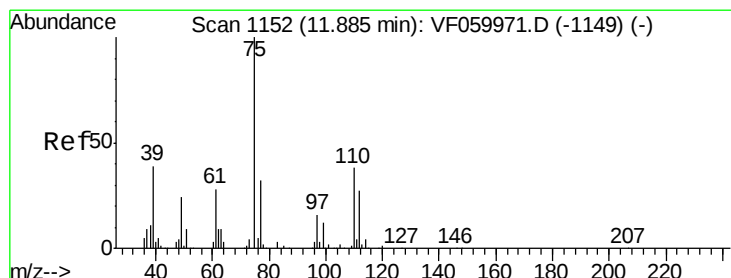
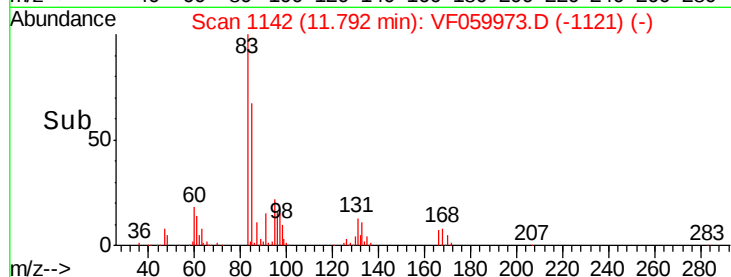
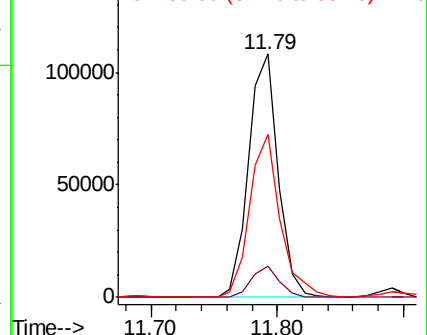
85 66.8 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 132.027 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059973.D

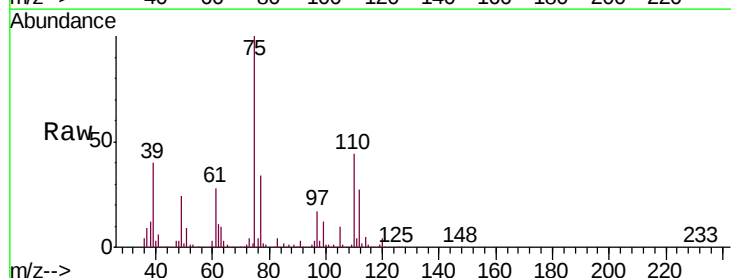
Acq: 16 Aug 2018 21:31

Tgt Ion: 75 Resp: 163782

Ion Ratio Lower Upper

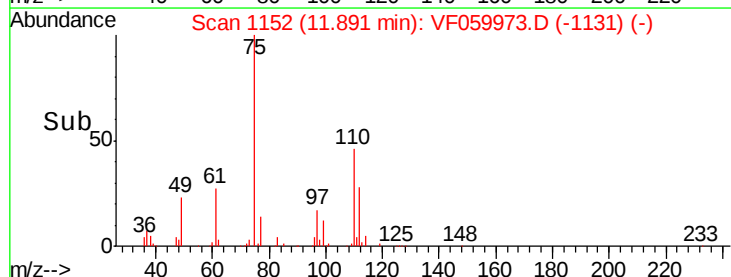
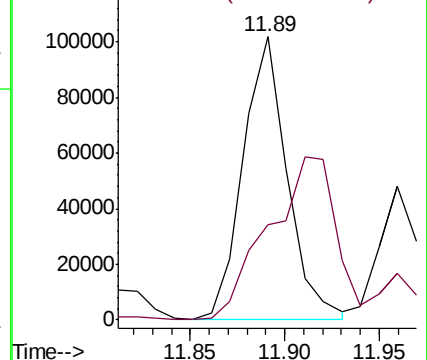
75 100

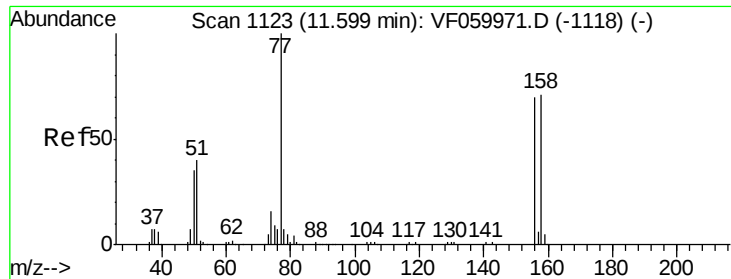
77 33.8 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 98.327 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

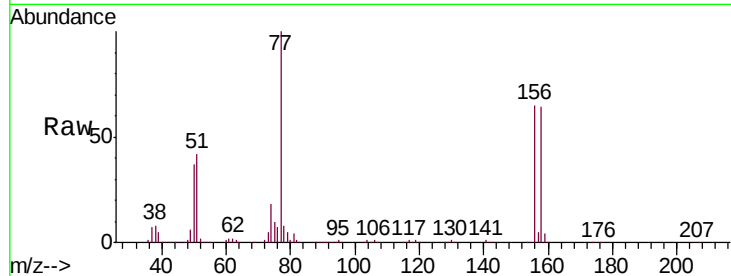
Tgt Ion:156 Resp: 207500

Ion Ratio Lower Upper

156 100

77 152.7 71.9 215.6

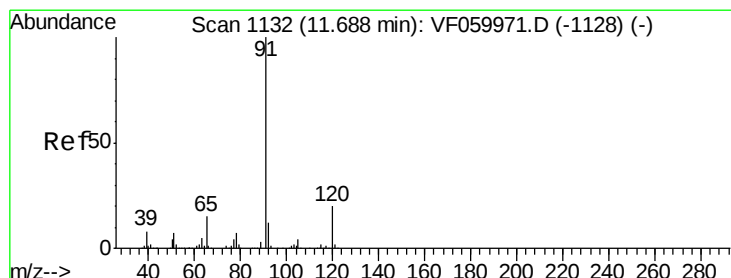
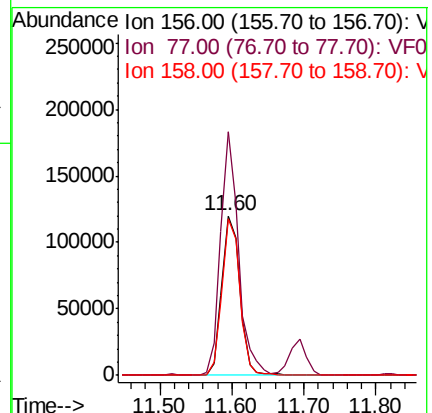
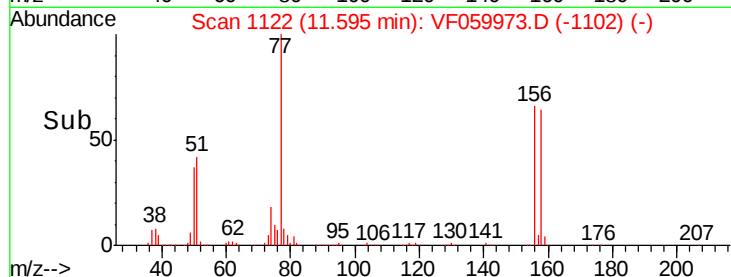
158 98.4 51.2 153.6



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: 90.551 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059973.D

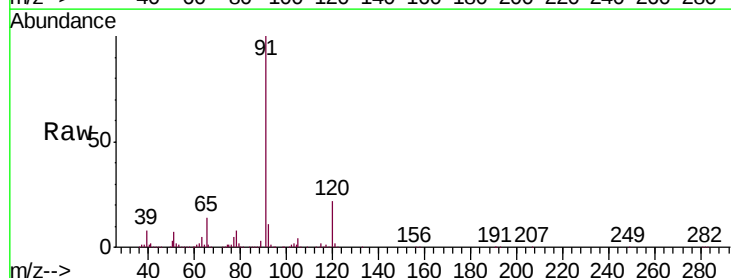
Acq: 16 Aug 2018 21:31

Tgt Ion: 91 Resp: 843370

Ion Ratio Lower Upper

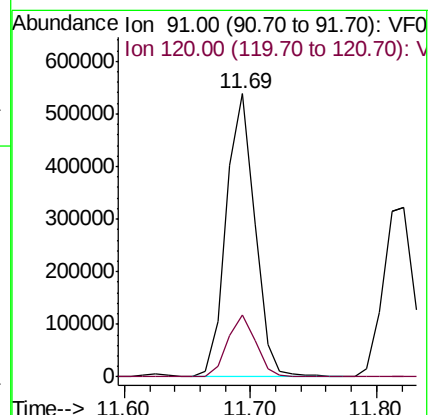
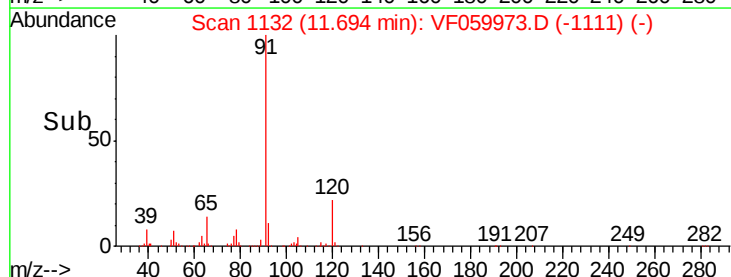
91 100

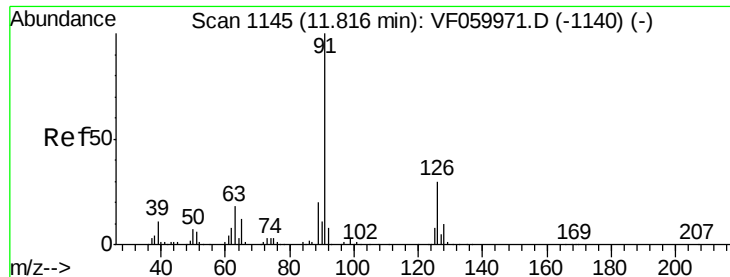
120 21.9 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.209 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

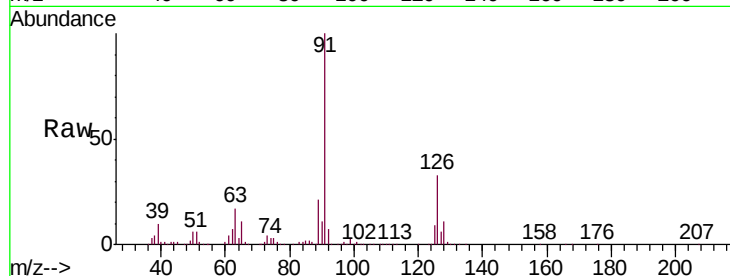
VSTDIC100

Tgt Ion: 91 Resp: 545605

Ion Ratio Lower Upper

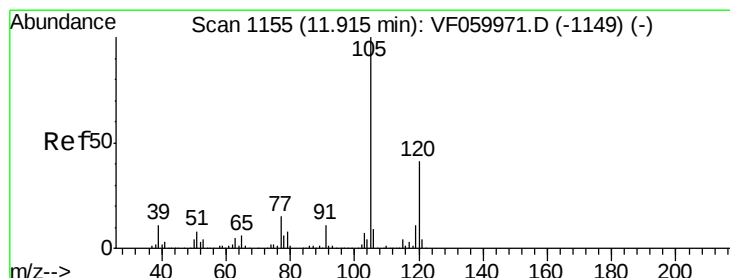
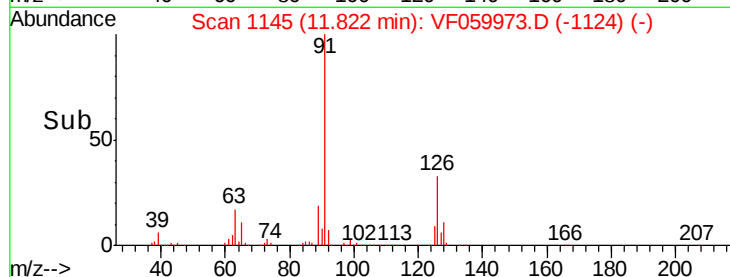
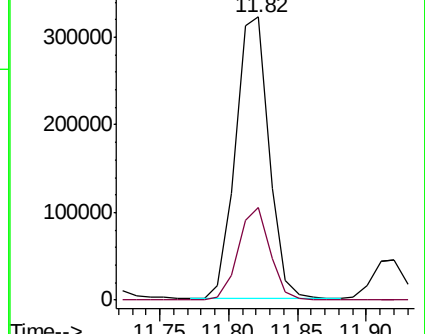
91 100

126 32.6 14.9 44.9



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: 87.268 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059973.D

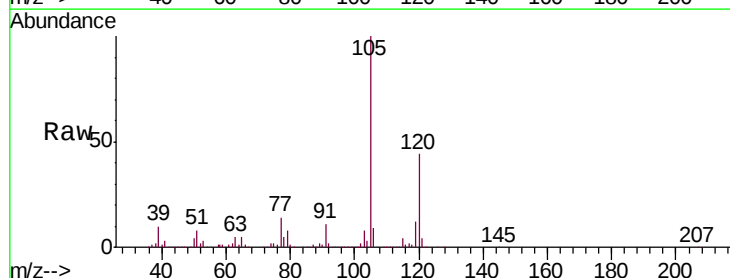
Acq: 16 Aug 2018 21:31

Tgt Ion: 105 Resp: 642691

Ion Ratio Lower Upper

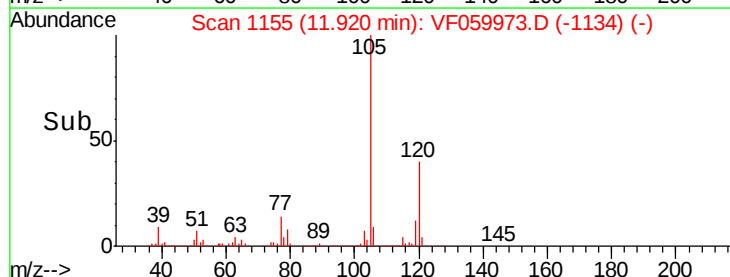
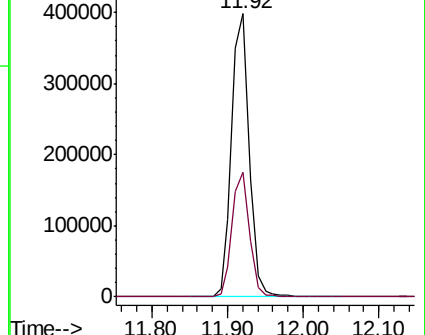
105 100

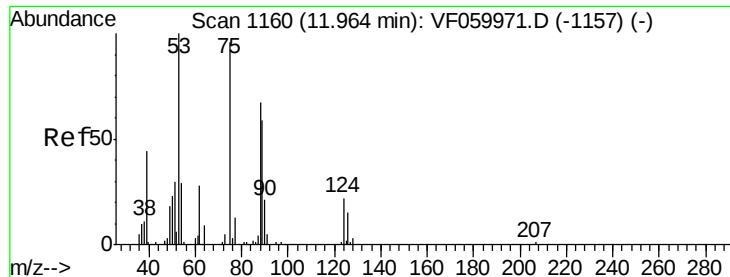
120 44.0 20.6 61.8



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: 177.465 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

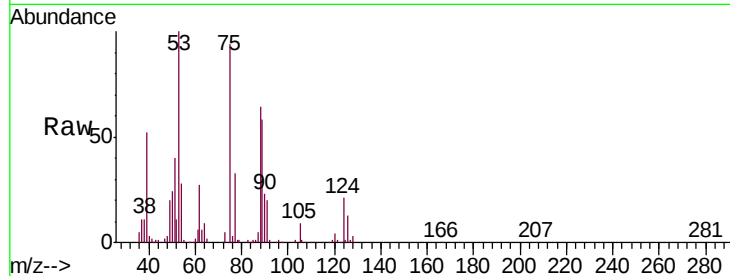
Tgt Ion: 75 Resp: 92082

Ion Ratio Lower Upper

75 100

53 106.9 85.1 127.7

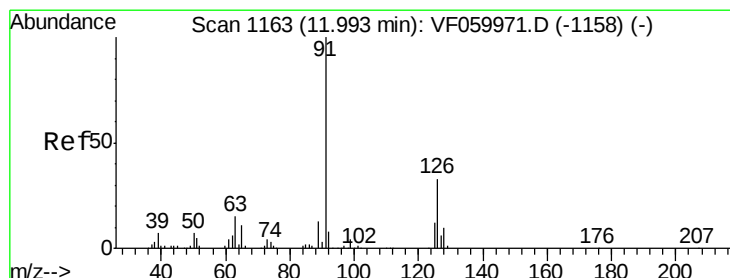
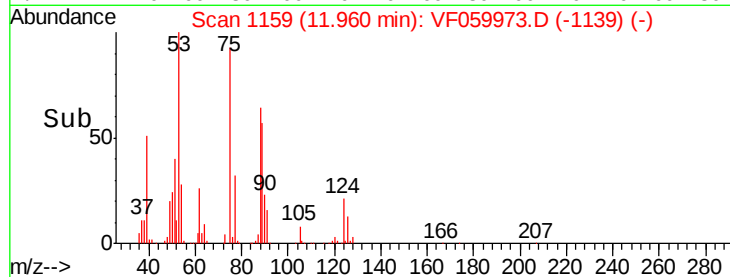
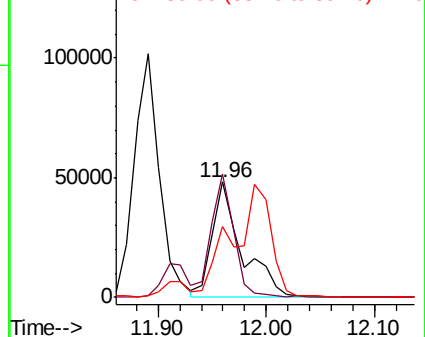
89 61.9 50.2 75.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 92.400 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059973.D

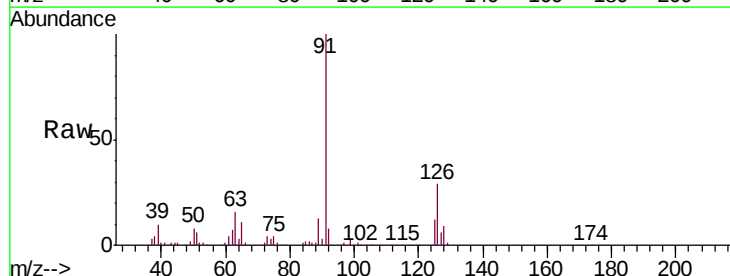
Acq: 16 Aug 2018 21:31

Tgt Ion: 91 Resp: 598607

Ion Ratio Lower Upper

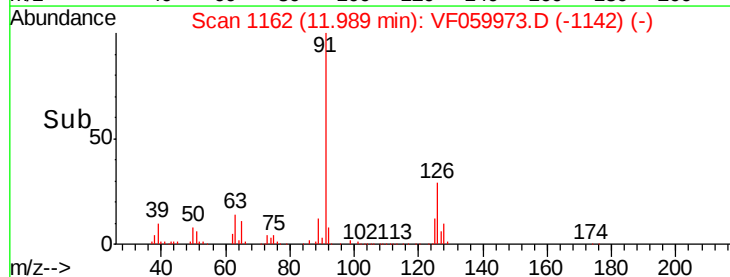
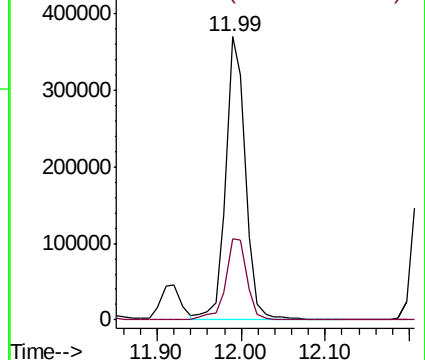
91 100

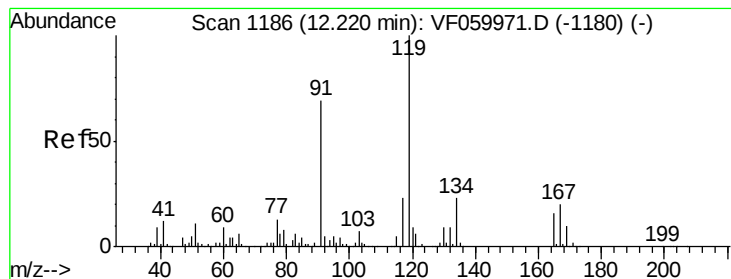
126 28.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 88.241 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

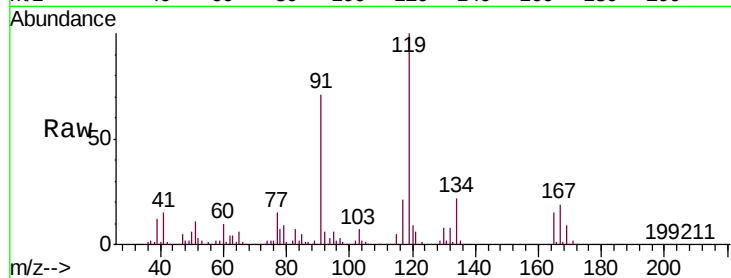
Tgt Ion:119 Resp: 636089

Ion Ratio Lower Upper

119 100

91 71.3 34.8 104.3

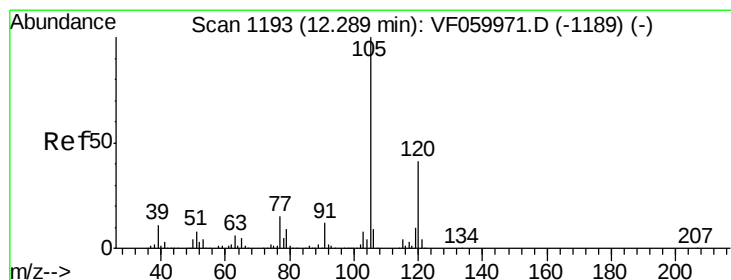
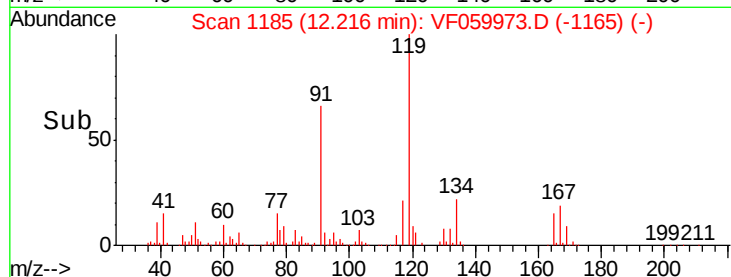
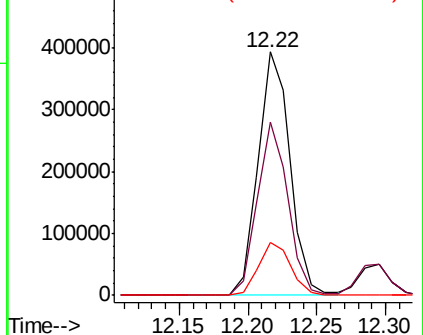
134 21.8 11.5 34.4



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: 93.185 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059973.D

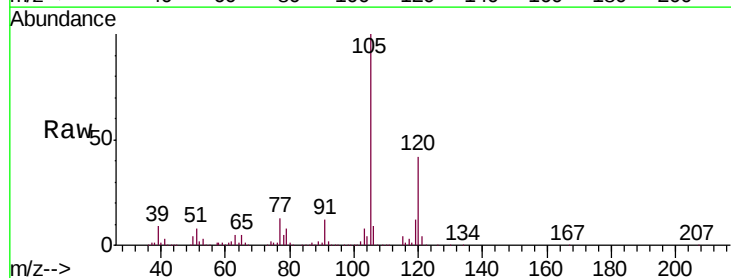
Acq: 16 Aug 2018 21:31

Tgt Ion:105 Resp: 689886

Ion Ratio Lower Upper

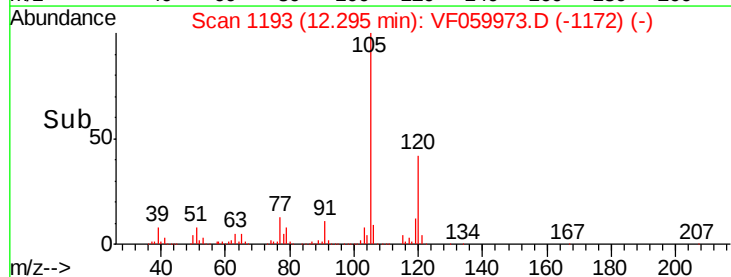
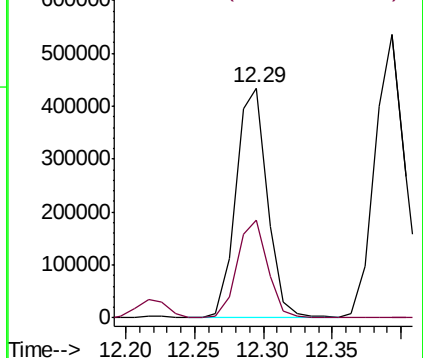
105 100

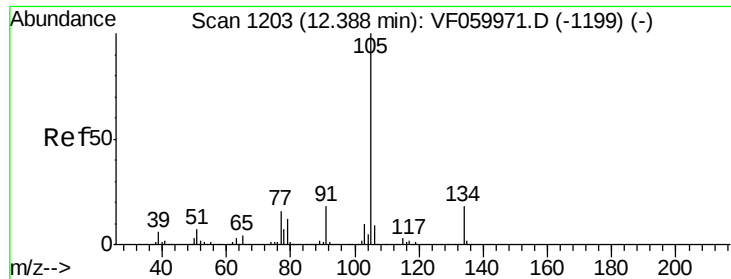
120 42.5 20.6 61.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 88.571 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

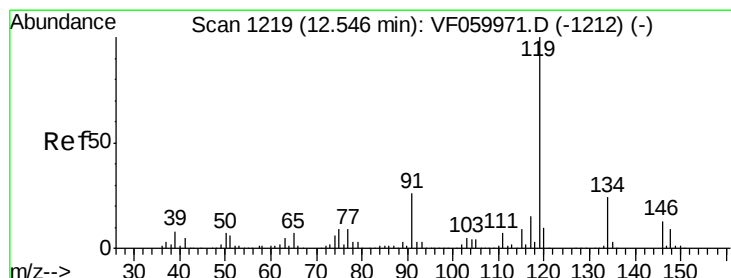
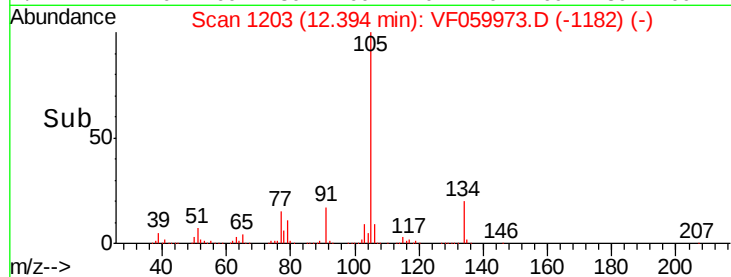
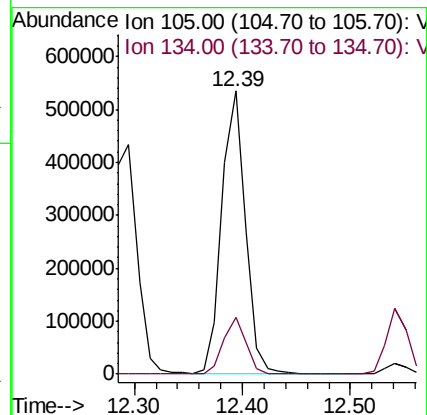
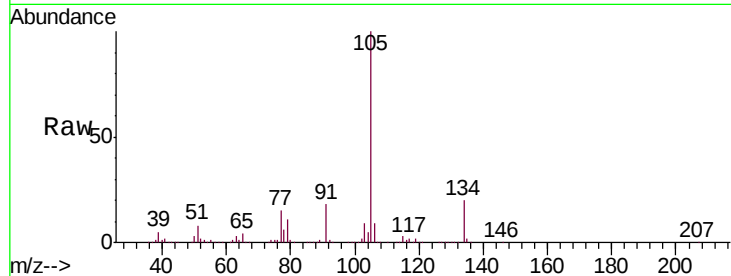
VSTDIC100

Tgt Ion:105 Resp: 812347

Ion Ratio Lower Upper

105 100

134 20.1 8.9 26.7



#86

p-Isopropyltoluene

Concen: 89.386 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

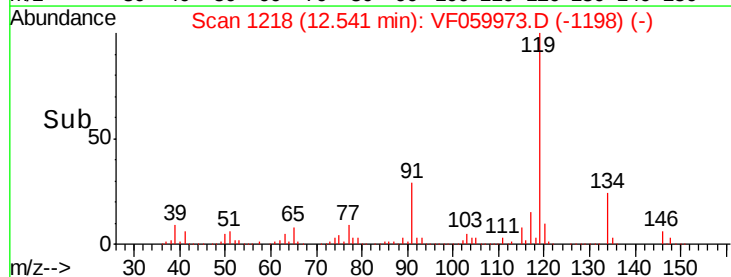
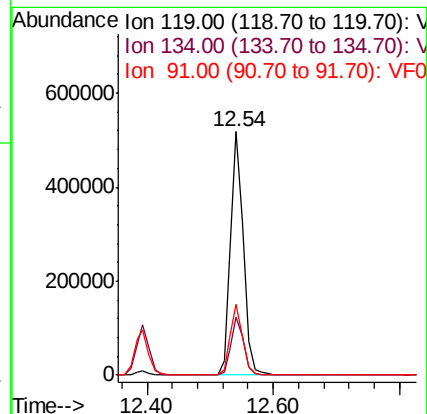
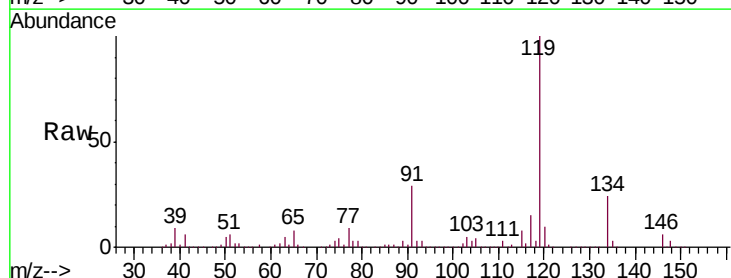
Tgt Ion:119 Resp: 724839

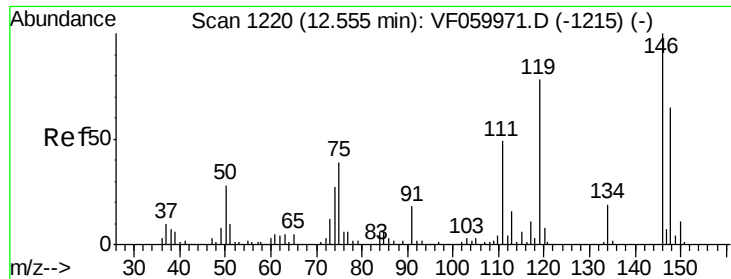
Ion Ratio Lower Upper

119 100

134 23.9 12.0 36.1

91 29.1 13.1 39.1

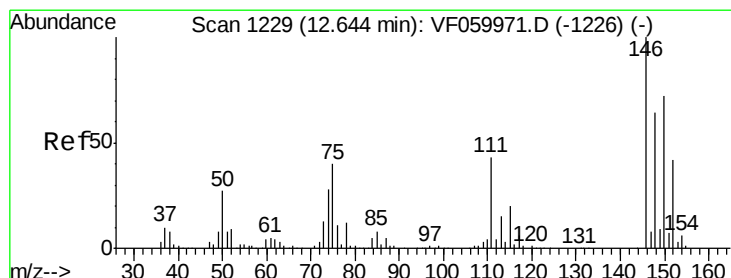
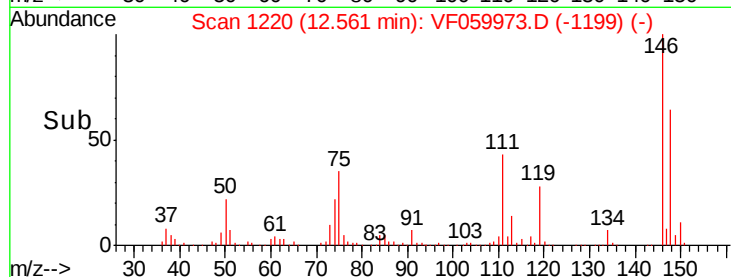
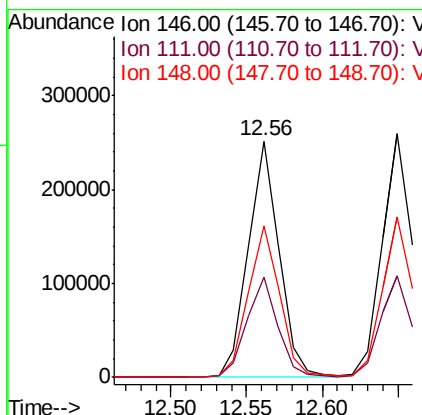
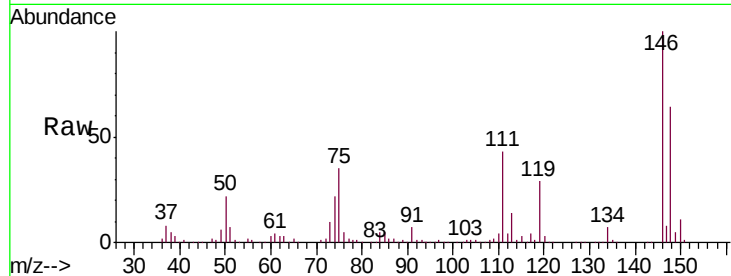




#87
 1,3-Dichlorobenzene
 Concen: 90.902 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

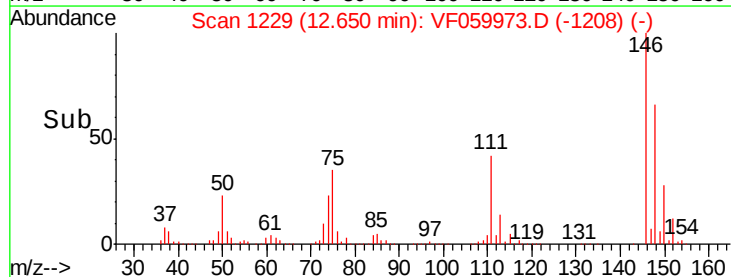
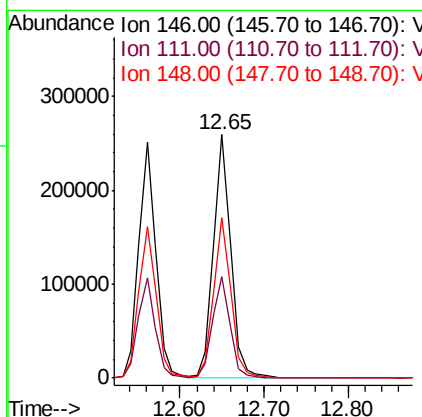
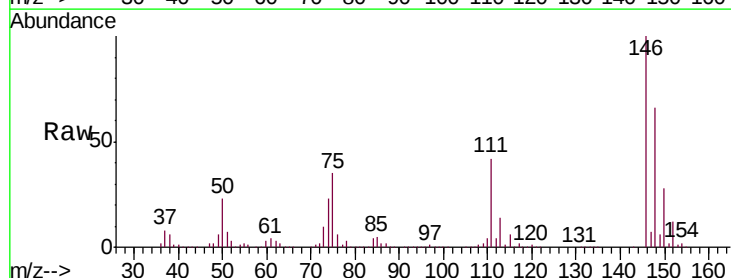
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

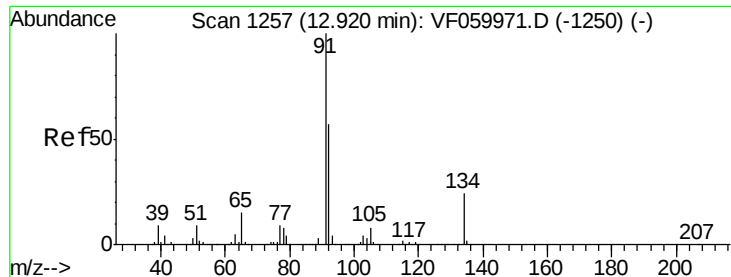
Tgt Ion:146 Resp: 361872
 Ion Ratio Lower Upper
 146 100
 111 42.6 24.4 73.2
 148 64.4 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 95.612 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion:146 Resp: 373683
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.4 64.2
 148 66.0 31.9 95.7





#89

n-Butylbenzene

Concen: 90.420 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

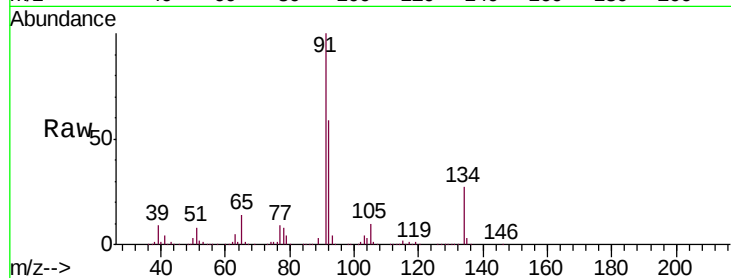
Tgt Ion: 91 Resp: 709545

Ion Ratio Lower Upper

91 100

92 58.5 28.3 85.0

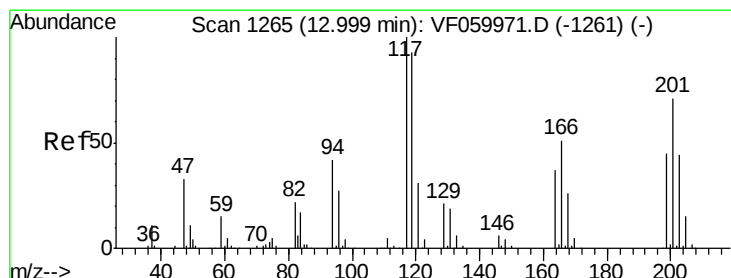
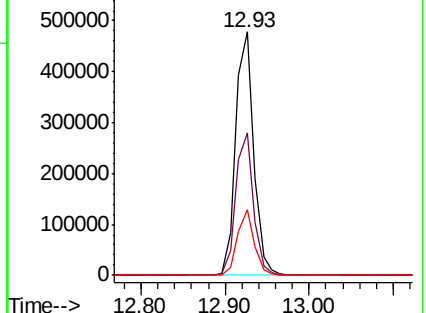
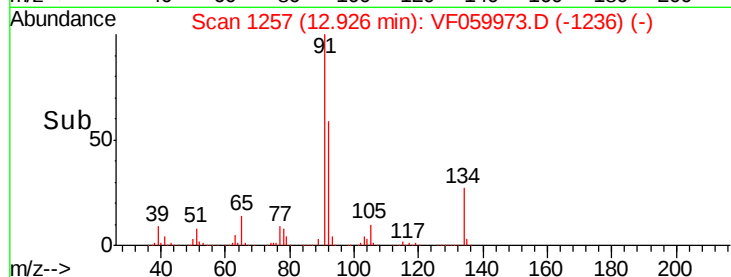
134 27.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 84.740 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059973.D

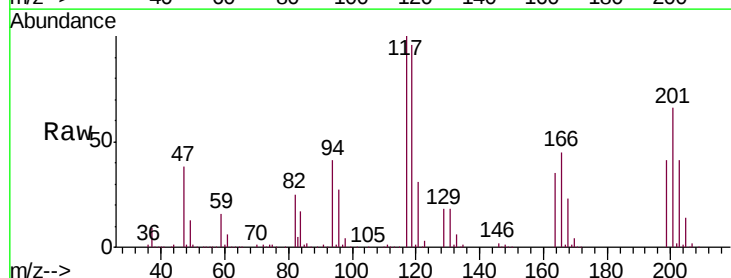
Acq: 16 Aug 2018 21:31

Tgt Ion: 117 Resp: 168548

Ion Ratio Lower Upper

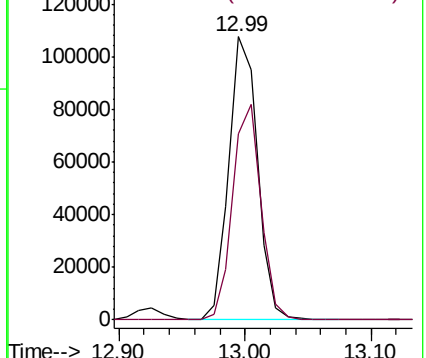
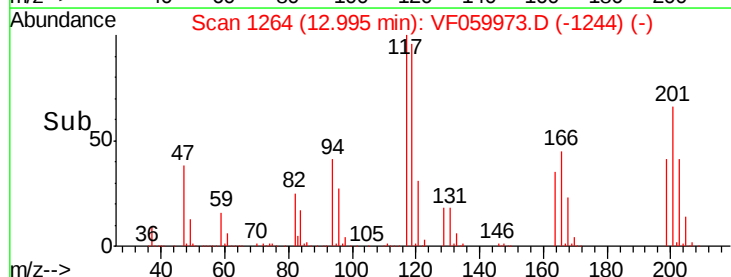
117 100

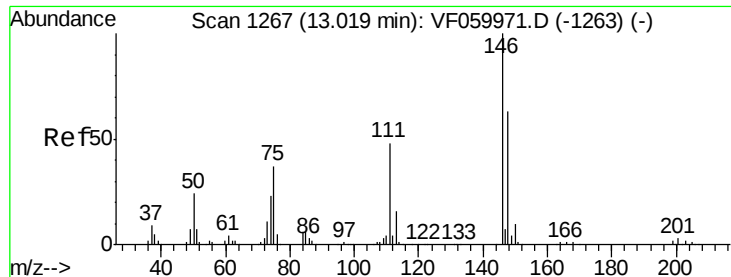
201 67.3 35.3 105.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 94.916 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

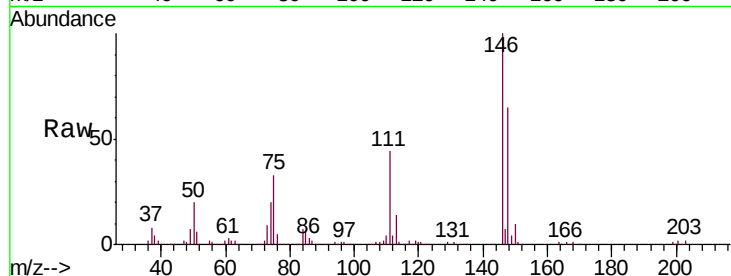
Tgt Ion:146 Resp: 370487

Ion Ratio Lower Upper

146 100

111 43.9 23.9 71.8

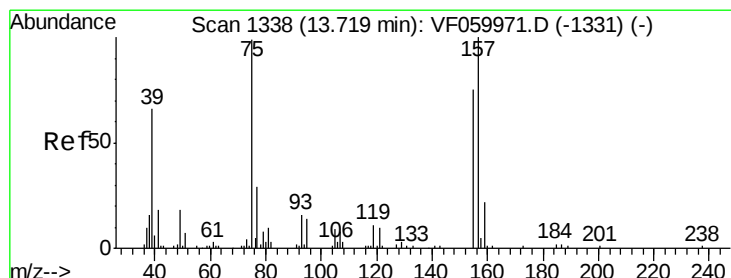
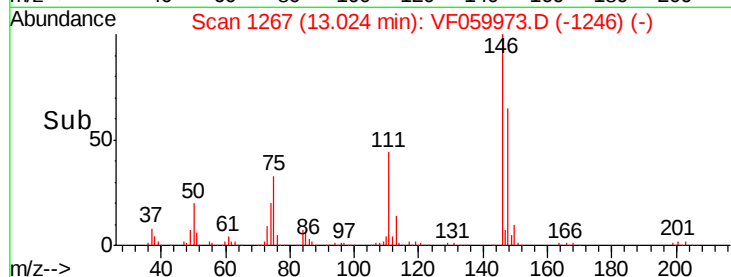
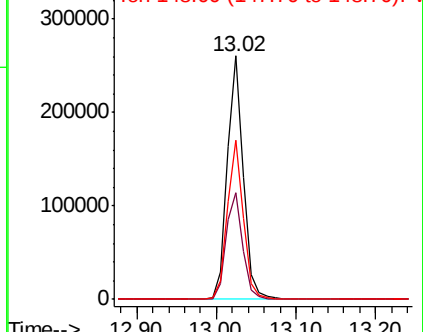
148 65.4 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 145.256 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

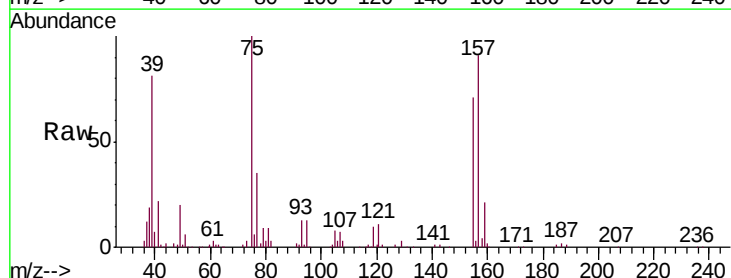
Tgt Ion: 75 Resp: 58600

Ion Ratio Lower Upper

75 100

155 74.5 38.0 114.0

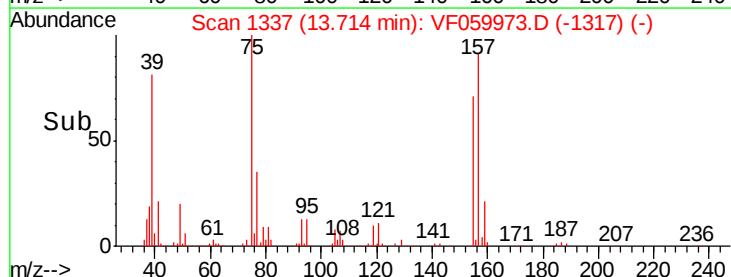
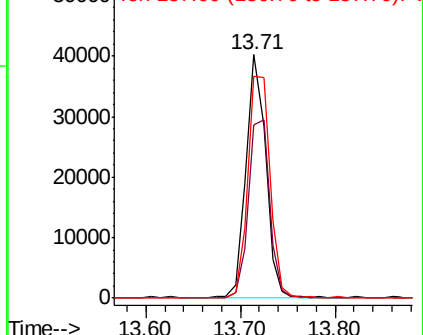
157 90.9 50.6 151.8

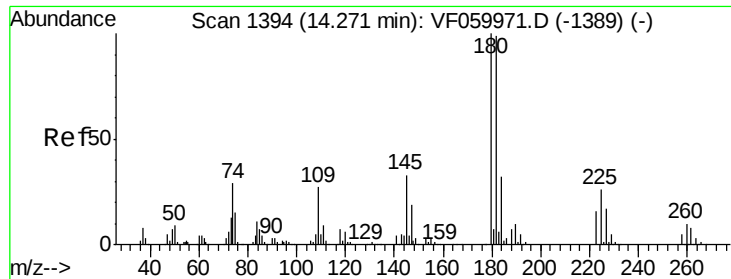


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

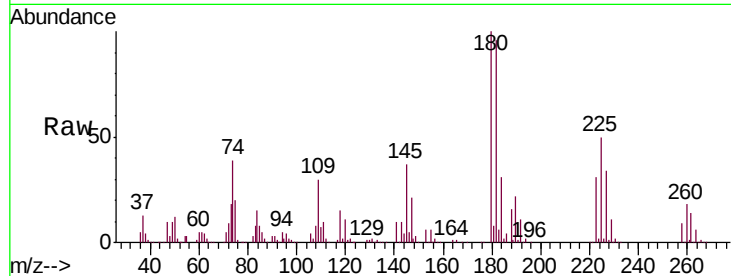




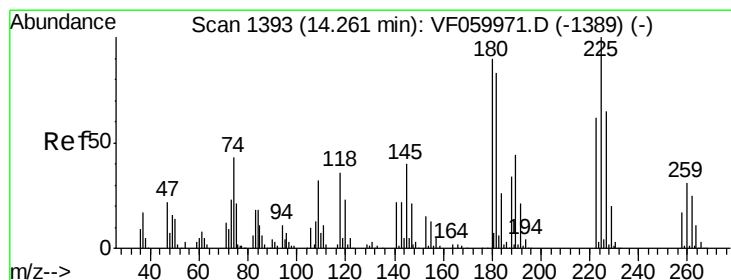
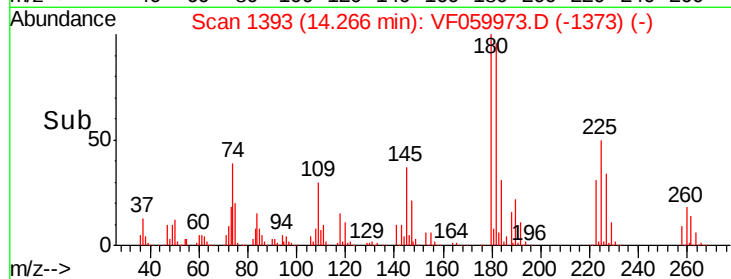
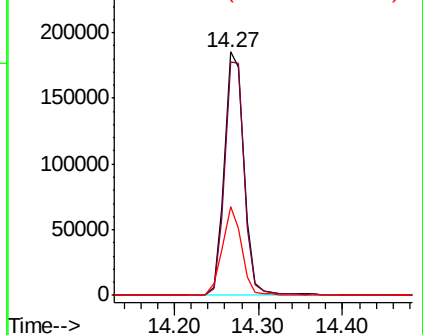
#93
 1,2,4-Trichlorobenzene
 Concen: 96.850 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 300208
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.7 149.1
 145 36.6 16.4 49.4

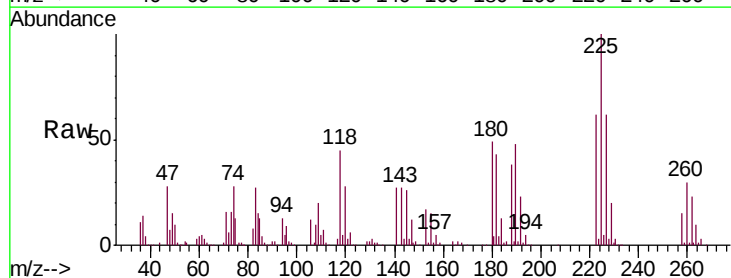


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

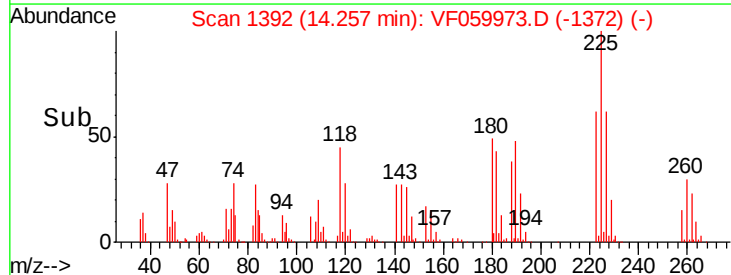
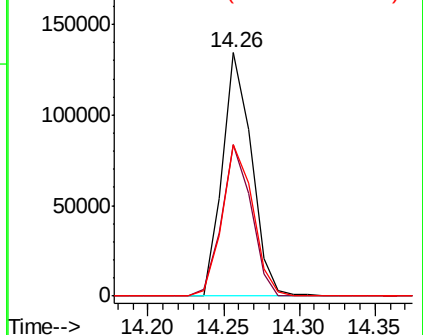


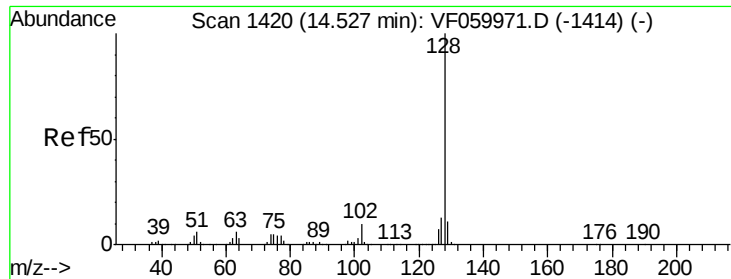
#94
 Hexachlorobutadiene
 Concen: 83.347 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion:225 Resp: 181369
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.0 93.0
 227 62.0 32.4 97.2



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

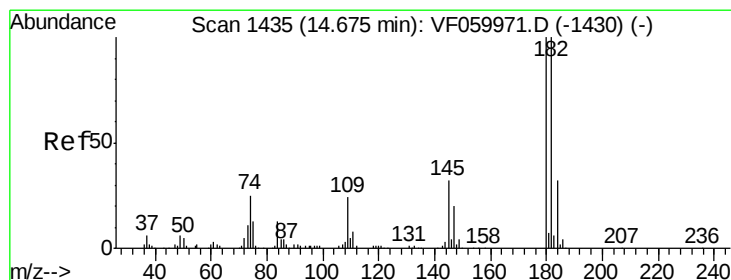
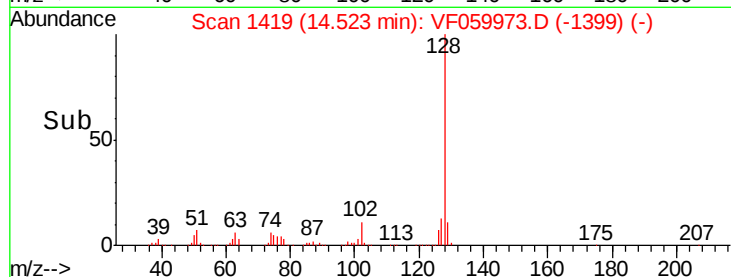
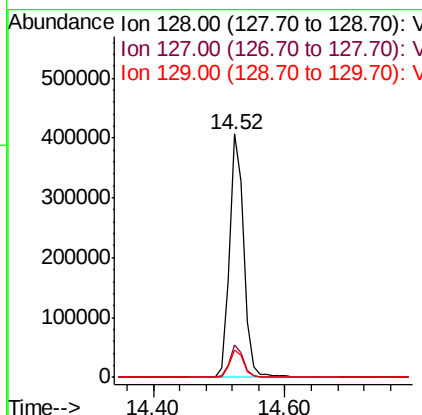
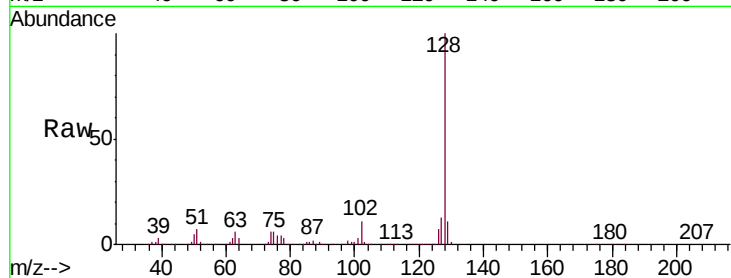




#95
Naphthalene
Concen: 119.056 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 619180
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 102.910 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion:180 Resp: 306783
Ion Ratio Lower Upper
180 100
182 96.6 49.9 149.7
145 33.2 16.2 48.5

