

Data File : VF059968.D
Acq On : 16 Aug 2018 18:46
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Aug 17 04:40:01 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	5.05	168	121661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	165710	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	179264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	127379	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	13127	5.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.84%	
35) Dibromofluoromethane	4.29	113	10032	5.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.92%	
50) Toluene-d8	7.71	98	20573	5.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.22%	
62) 4-Bromofluorobenzene	11.51	95	13552	6.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.06%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.95	85	11799	6.422	ug/l 99
3) Chloromethane	1.07	50	6192	7.902	ug/l 89
4) Vinyl Chloride	1.12	62	4960	5.347	ug/l 95
5) Bromomethane	1.31	94	4358	5.193	ug/l 96
6) Chloroethane	1.39	64	3823	6.515	ug/l # 67
7) Trichlorofluoromethane	1.48	101	18623	7.067	ug/l 96
8) Diethyl Ether	1.70	74	2891	7.318	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	8576	6.286	ug/l 91
10) Methyl Iodide	1.93	142	7151	3.511	ug/l 95
11) Tert butyl alcohol	2.69	59	5158	50.395	ug/l # 86
12) 1,1-Dichloroethene	1.82	96	5980	6.081	ug/l 81
13) Acrolein	2.09	56	1803	33.929	ug/l 88
14) Allyl chloride	2.19	41	10089	6.878	ug/l 88
15) Acrylonitrile	3.07	53	8823	55.657	ug/l 94
16) Acetone	2.34	43	28832	56.572	ug/l 97
17) Carbon Disulfide	1.83	76	20012	7.537	ug/l 96
18) Methyl Acetate	2.54	43	7326	9.234	ug/l 98
19) Methyl tert-butyl Ether	2.54	73	23013	7.614	ug/l 100
20) Methylene Chloride	2.28	84	9878	8.628	ug/l 95
21) trans-1,2-Dichloroethene	2.41	96	5440	5.576	ug/l 86
22) Diisopropyl ether	2.93	45	22445	6.654	ug/l 88
23) Vinyl Acetate	3.33	43	35344	21.730	ug/l 97
24) 1,1-Dichloroethane	3.01	63	13211	5.607	ug/l # 97
25) 2-Butanone	4.51	43	18171	37.953	ug/l # 92
26) 2,2-Dichloropropane	3.76	77	12805	7.801	ug/l 91
27) cis-1,2-Dichloroethene	3.64	96	5440	5.199	ug/l 76
28) Bromochloromethane	3.89	49	5168	6.253	ug/l 84
29) Tetrahydrofuran	4.26	42	7728	45.963	ug/l 91
30) Chloroform	4.04	83	17402	5.602	ug/l # 81
31) Cyclohexane	3.86	56	6873	6.187	ug/l 86
32) 1,1,1-Trichloroethane	4.28	97	15634	5.951	ug/l 90
36) 1,1-Dichloropropene	4.46	75	9050	4.930	ug/l 87
37) Ethyl Acetate	4.30	43	8472	9.456	ug/l # 81
38) Carbon Tetrachloride	4.17	117	12205	4.095	ug/l 96

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	6796	5.103	ug/l	93
40) Benzene	4.81	78	16116	5.223	ug/l	92
41) Methacrylonitrile	4.91	41	3340	7.831	ug/l #	71
42) 1,2-Dichloroethane	5.11	62	16704	6.581	ug/l	99
43) Isopropyl Acetate	7.12	43	6575	6.719	ug/l #	78
44) Trichloroethene	5.68	130	7166	5.991	ug/l	85
45) 1,2-Dichloropropane	6.41	63	4321	5.162	ug/l #	86
46) Dibromomethane	6.26	93	5027	5.927	ug/l #	81
47) Bromodichloromethane	6.54	83	12936	5.434	ug/l #	92
48) Methyl methacrylate	6.88	41	4358	6.063	ug/l	90
49) 1,4-Dioxane	6.87	88	517	89.115	ug/l #	17
51) 4-Methyl-2-Pentanone	8.41	43	37682	40.531	ug/l	98
52) Toluene	7.78	92	13848	5.994	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	10948	5.539	ug/l #	82
54) cis-1,3-Dichloropropene	7.46	75	10111	5.406	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	5409	6.471	ug/l	98
56) Ethyl methacrylate	8.76	69	5848	6.257	ug/l	97
57) 1,3-Dichloropropane	9.00	76	10274	6.710	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	3443	30.229	ug/l	100
59) 2-Hexanone	9.63	43	29547	42.281	ug/l	100
60) Dibromochloromethane	8.87	129	9565	5.895	ug/l	89
61) 1,2-Dibromoethane	9.15	107	6618	6.257	ug/l #	65
64) Tetrachloroethene	8.31	164	8227	5.909	ug/l	92
65) Chlorobenzene	9.94	112	18229	5.270	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.07	131	7821	4.687	ug/l	98
67) Ethyl Benzene	10.04	91	32585	5.318	ug/l	96
68) m/p-Xylenes	10.27	106	21859	10.588	ug/l	98
69) o-Xylene	10.83	106	10980	4.906	ug/l	93
70) Styrene	10.90	104	18210	5.423	ug/l	98
71) Bromoform	10.89	173	6724	6.105	ug/l	90
73) Isopropylbenzene	11.23	105	35967	4.567	ug/l	96
74) N-amyl acetate	11.46	43	11314	5.927	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	9248	6.485	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	8228	6.654	ug/l	93
77) Bromobenzene	11.60	156	10608	5.043	ug/l	94
78) n-propylbenzene	11.69	91	46225	4.979	ug/l	99
79) 2-Chlorotoluene	11.82	91	28582	4.899	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	35457	4.830	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	3652	7.061	ug/l #	72
82) 4-Chlorotoluene	11.99	91	32159	4.980	ug/l	99
83) tert-Butylbenzene	12.22	119	31882	4.437	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	35032	4.747	ug/l	96
85) sec-Butylbenzene	12.39	105	42772	4.679	ug/l	95
86) p-Isopropyltoluene	12.54	119	37373	4.624	ug/l	94
87) 1,3-Dichlorobenzene	12.56	146	22132	5.578	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	22027	5.654	ug/l	99
89) n-Butylbenzene	12.92	91	36148	4.622	ug/l	95
90) Hexachloroethane	13.00	117	8361	4.217	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	20101	5.167	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2368	5.889	ug/l	82

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

Data File : VF059968.D
Acq On : 16 Aug 2018 18:46
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

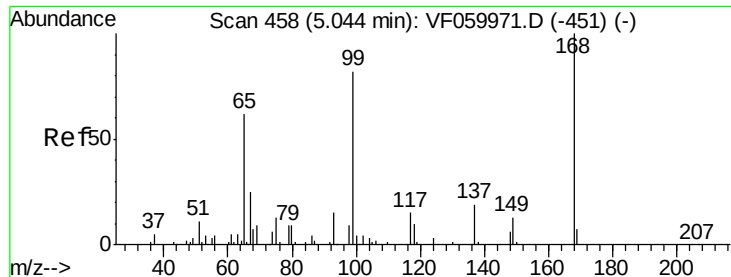
Quant Time: Aug 17 04:40:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 04:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	16764	5.426	ug/l	88
94) Hexachlorobutadiene	14.26	225	10616	4.894	ug/l	92
95) Naphthalene	14.53	128	22037	4.251	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	15813	5.322	ug/l	96

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

Quant Time: Aug 17 04:40:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
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: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

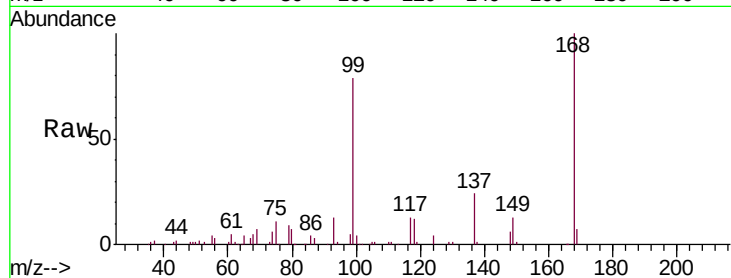
VSTDIC005

Tgt Ion:168 Resp: 121661

Ion Ratio Lower Upper

168 100

99 79.3 65.7 98.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

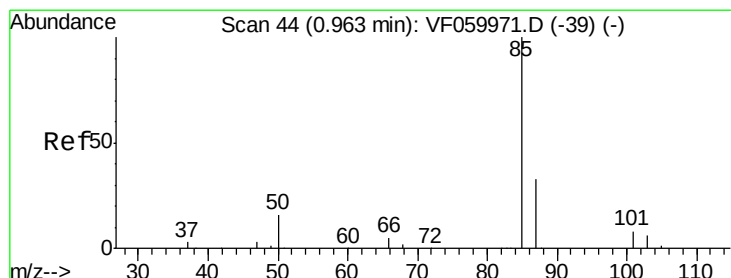
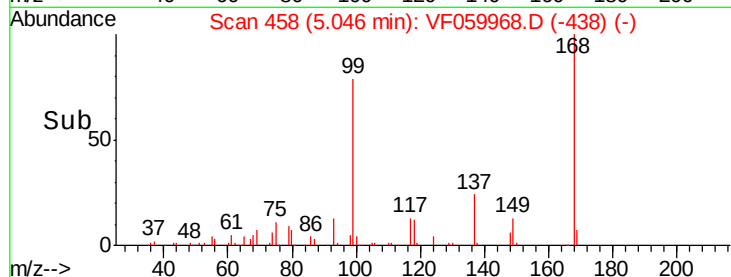
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 6.422 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF059968.D

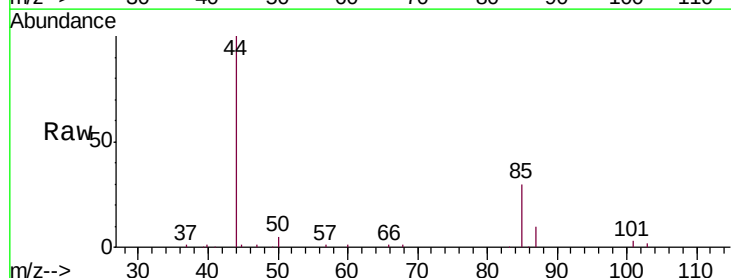
Acq: 16 Aug 2018 18:46

Tgt Ion: 85 Resp: 11799

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

8000

6000

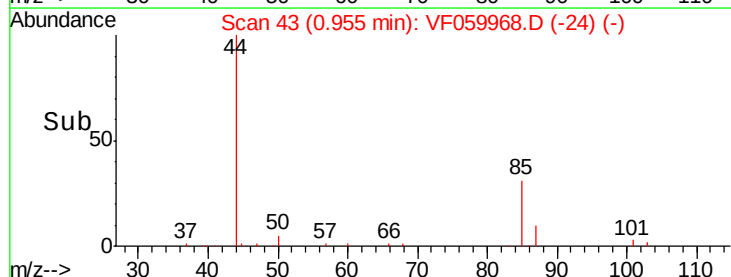
4000

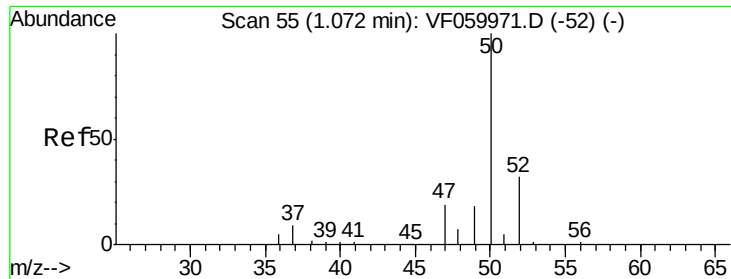
2000

0

0.90 0.95 1.00 1.05

Time-->

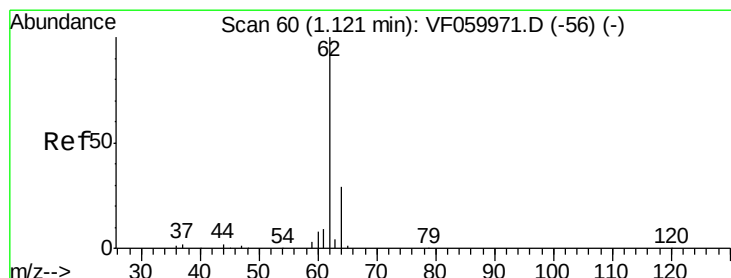
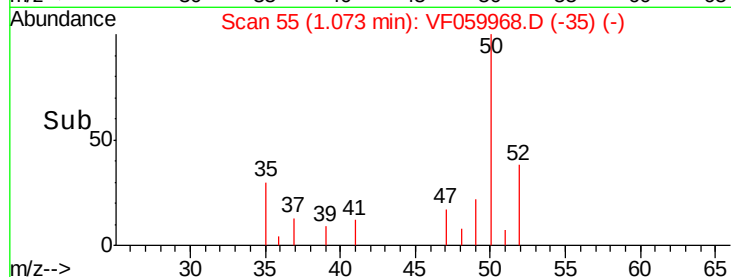
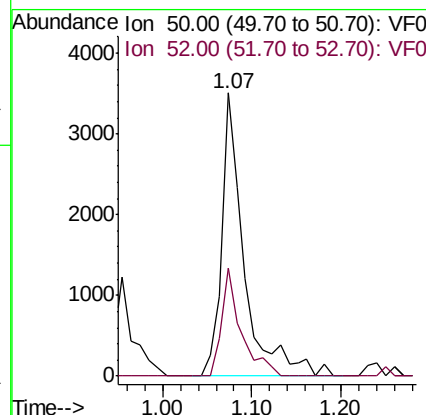
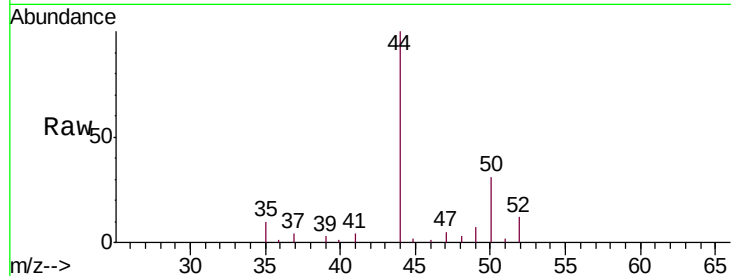




#3
 Chloromethane
 Concen: 7.902 ug/l
 RT: 1.07 min Scan# 55
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

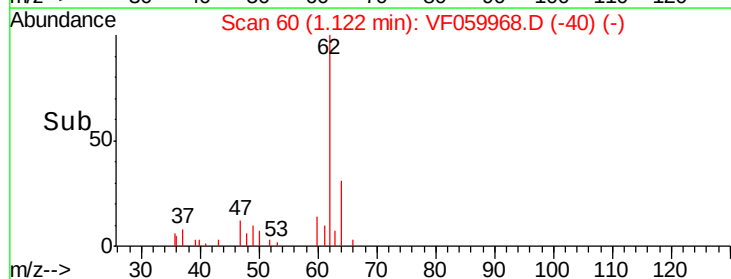
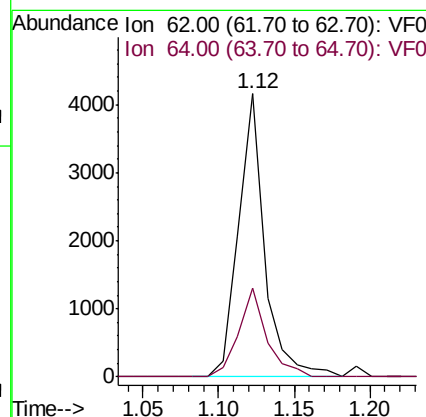
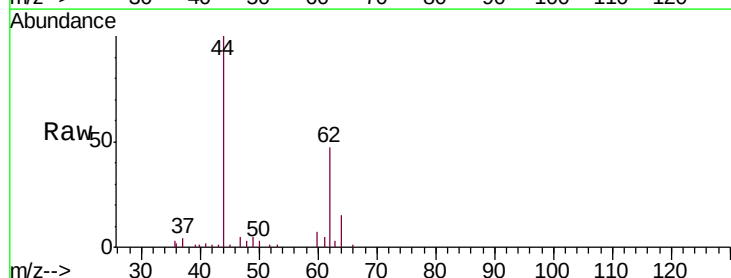
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

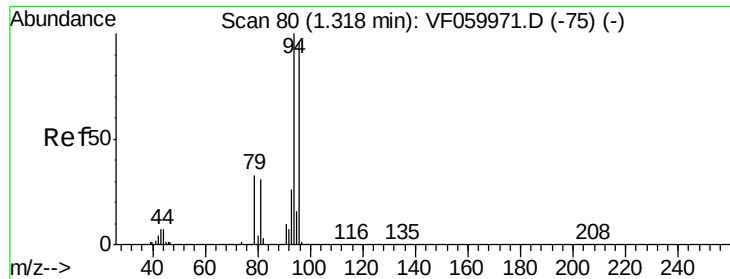
Tgt Ion: 50 Resp: 6192
 Ion Ratio Lower Upper
 50 100
 52 38.0 25.7 38.5



#4
 Vinyl Chloride
 Concen: 5.347 ug/l
 RT: 1.12 min Scan# 60
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 62 Resp: 4960
 Ion Ratio Lower Upper
 62 100
 64 31.4 23.1 34.7





#5

Bromomethane

Concen: 5.193 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

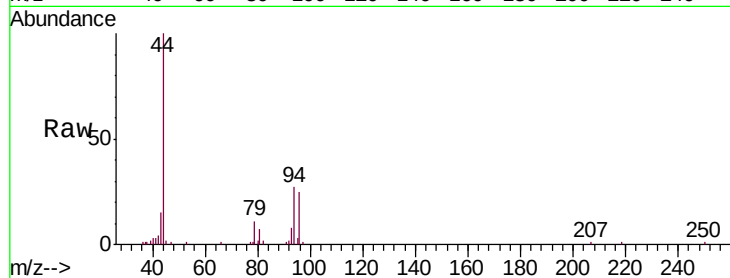
VSTDIC005

Tgt Ion: 94 Resp: 4358

Ion Ratio Lower Upper

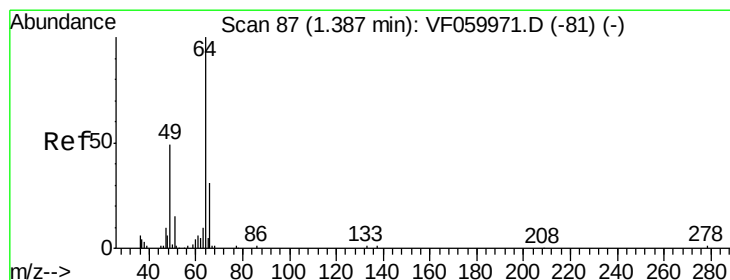
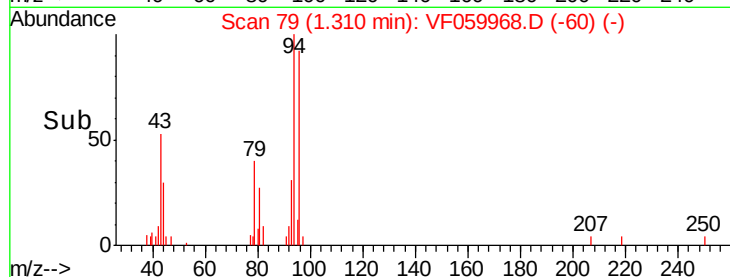
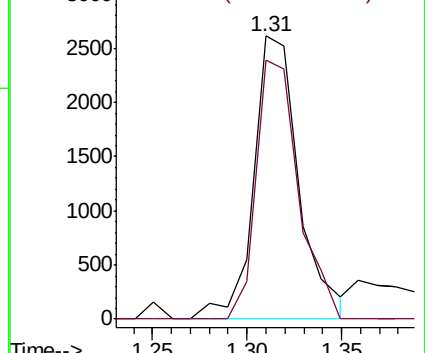
94 100

96 91.6 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: 6.515 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059968.D

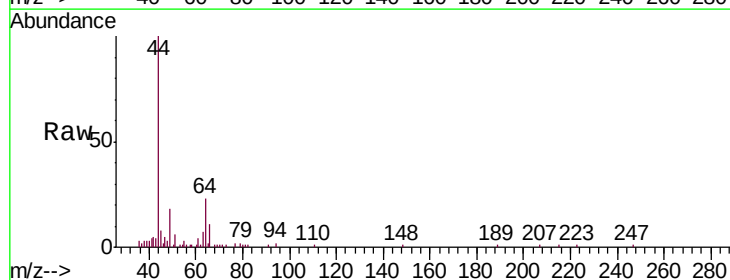
Acq: 16 Aug 2018 18:46

Tgt Ion: 64 Resp: 3823

Ion Ratio Lower Upper

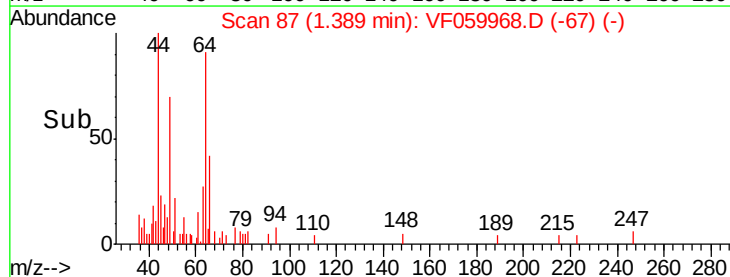
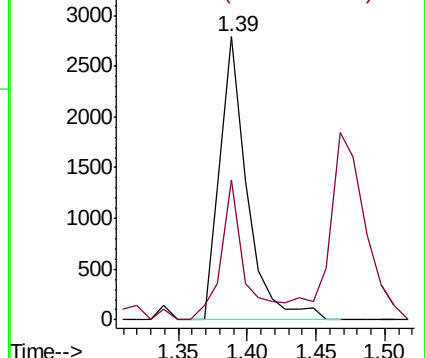
64 100

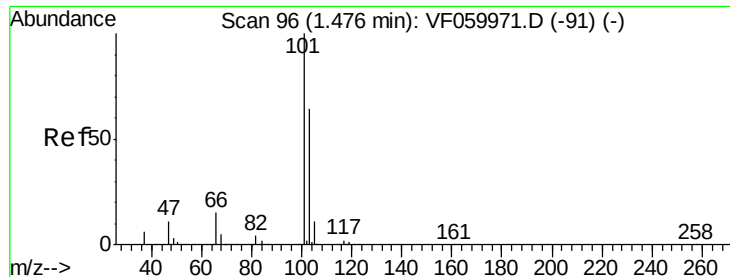
66 49.5 25.0 37.4#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



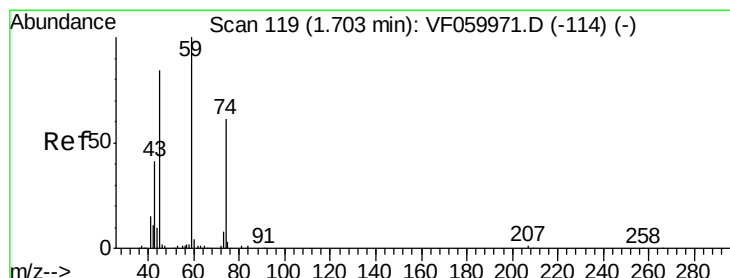
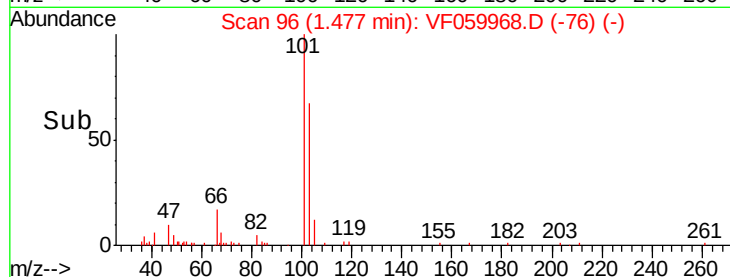
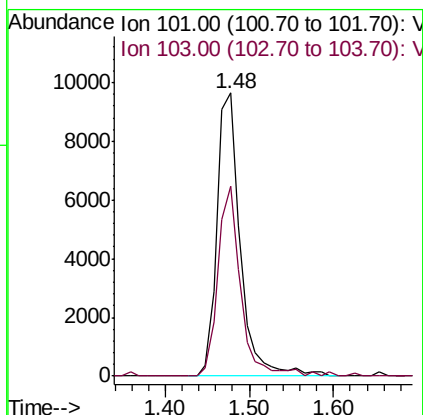
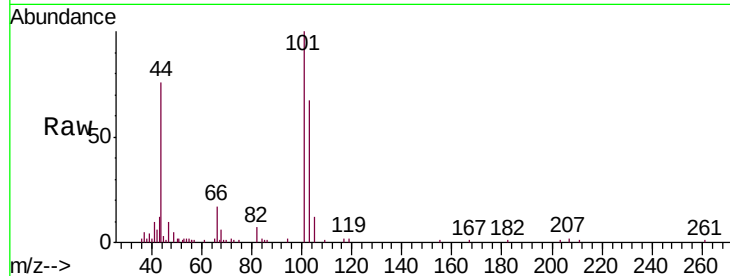


#7

Trichlorofluoromethane
Concen: 7.067 ug/l
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
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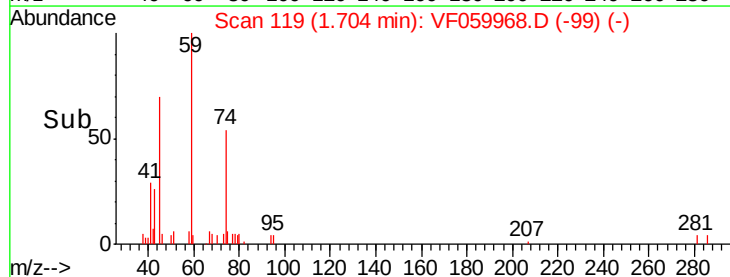
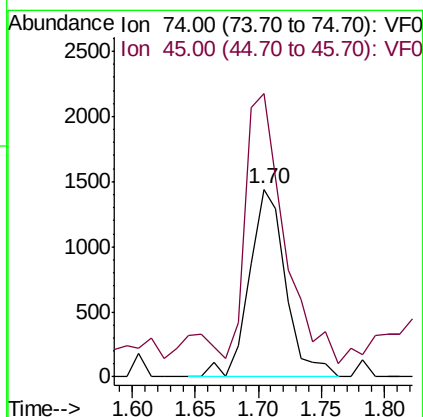
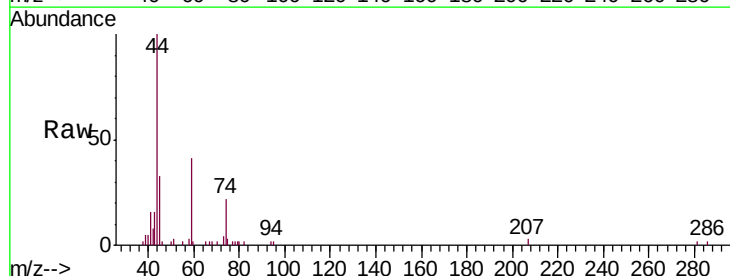
Tgt Ion:101 Resp: 18623
Ion Ratio Lower Upper
101 100
103 67.1 50.9 76.3

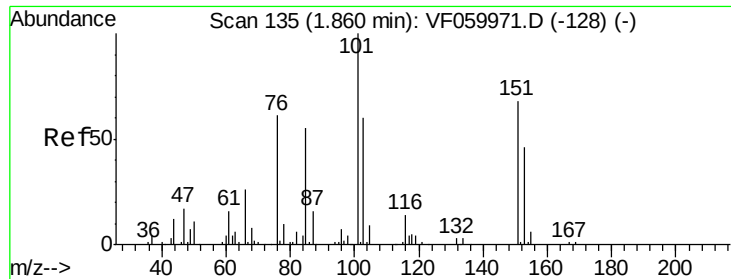


#8

Diethyl Ether
Concen: 7.318 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 74 Resp: 2891
Ion Ratio Lower Upper
74 100
45 150.8 69.8 209.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.286 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

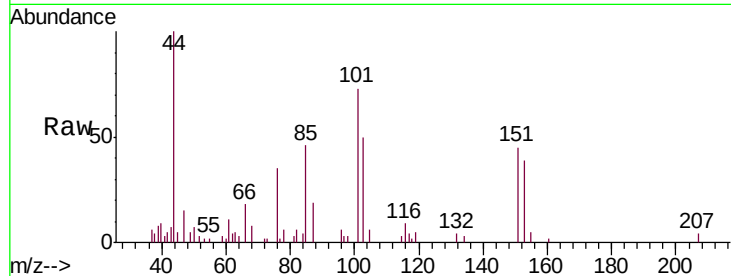
Tgt Ion:101 Resp: 8576

Ion Ratio Lower Upper

101 100

85 62.3 44.2 66.4

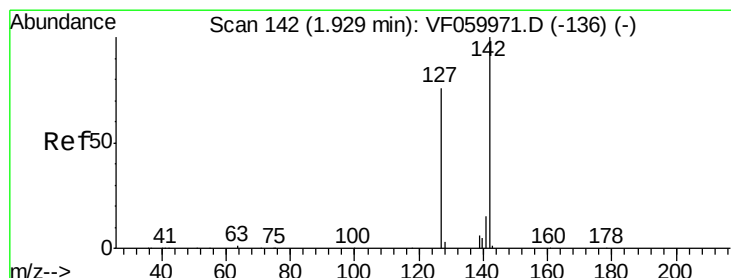
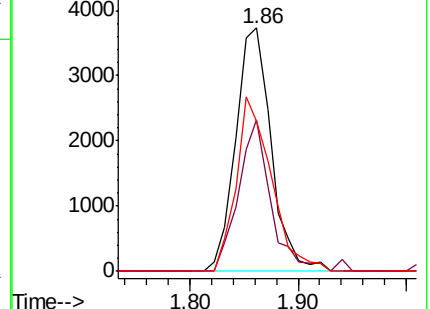
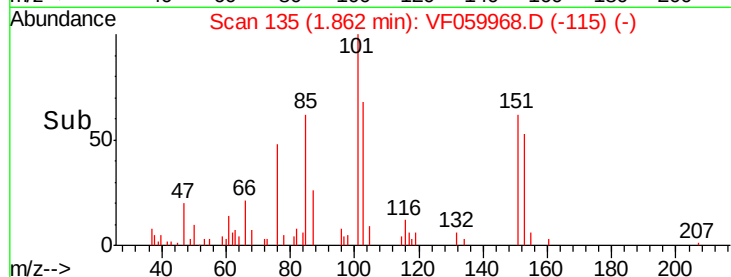
151 61.5 54.5 81.7



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: 3.511 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

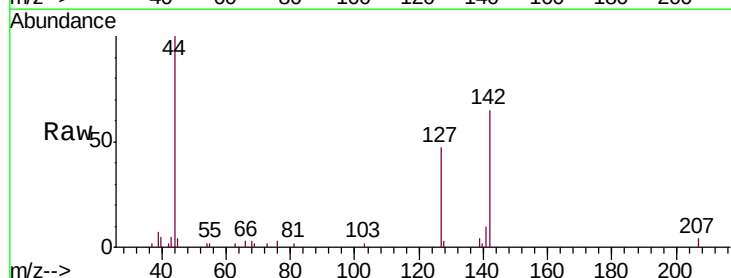
Tgt Ion:142 Resp: 7151

Ion Ratio Lower Upper

142 100

127 71.6 61.0 91.6

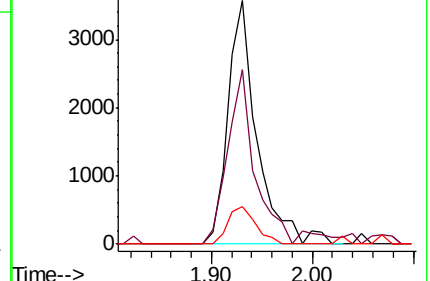
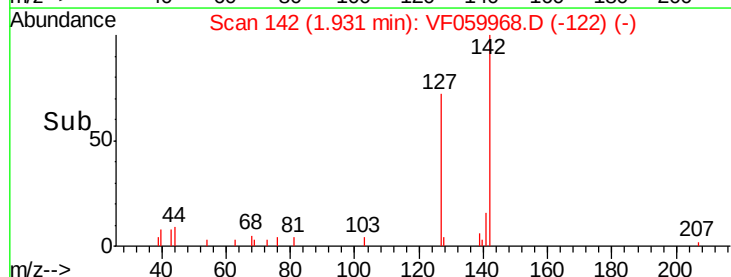
141 15.6 12.1 18.1

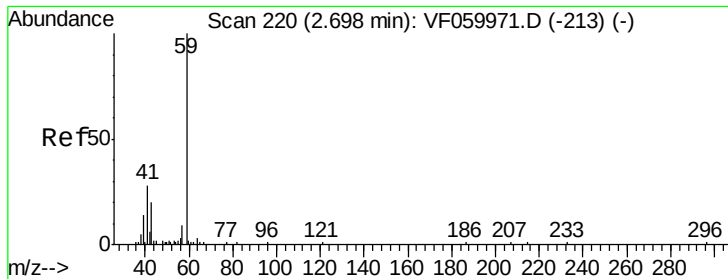


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

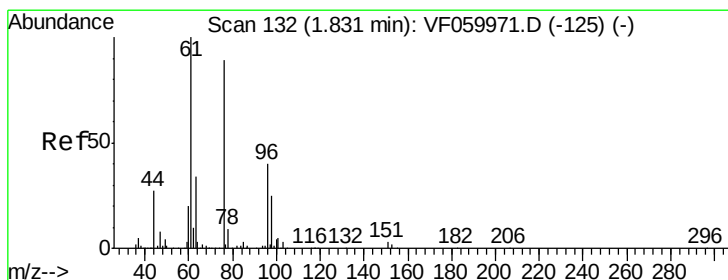
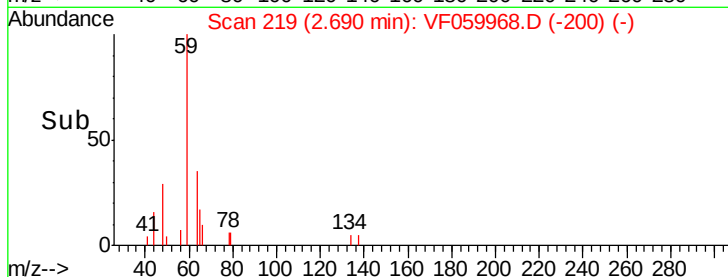
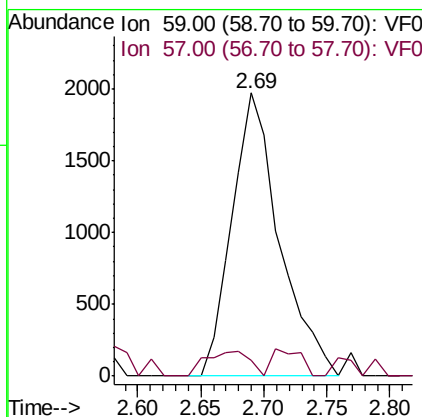
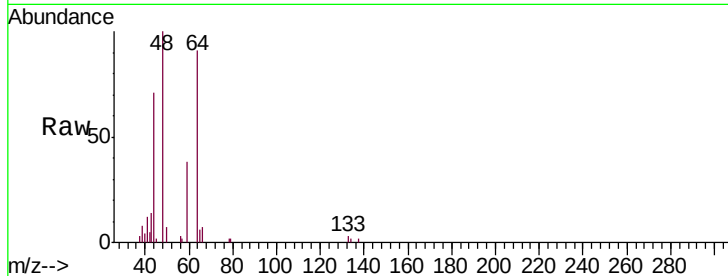




#11
Tert butyl alcohol
Concen: 50.395 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

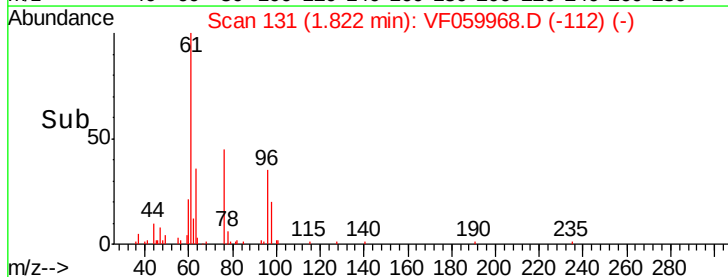
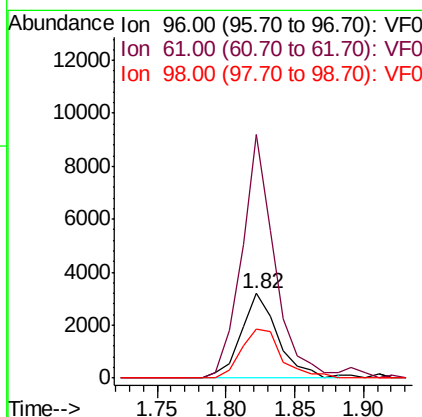
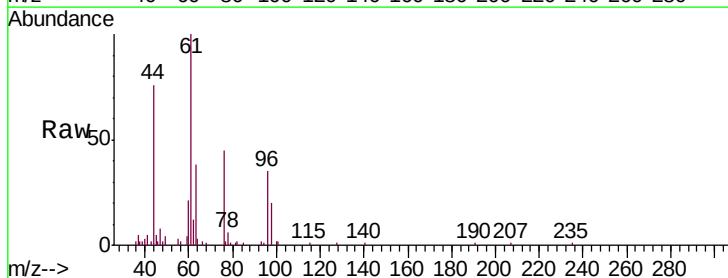
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

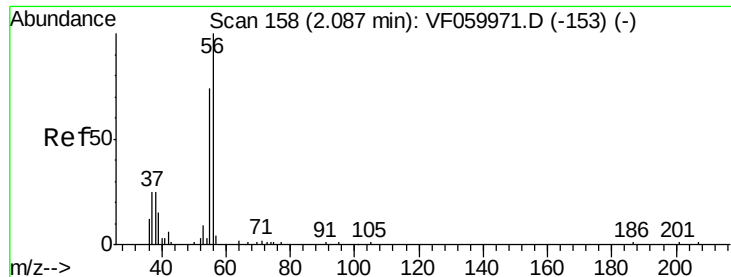
Tgt Ion: 59 Resp: 5158
Ion Ratio Lower Upper
59 100
57 5.7 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 6.081 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 96 Resp: 5980
Ion Ratio Lower Upper
96 100
61 288.2 200.0 300.0
98 57.8 49.8 74.8





#13

Acrolein

Concen: 33.929 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

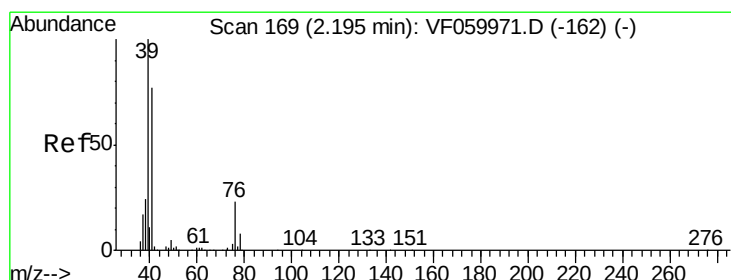
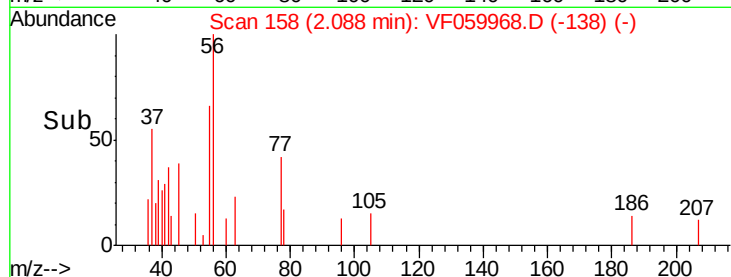
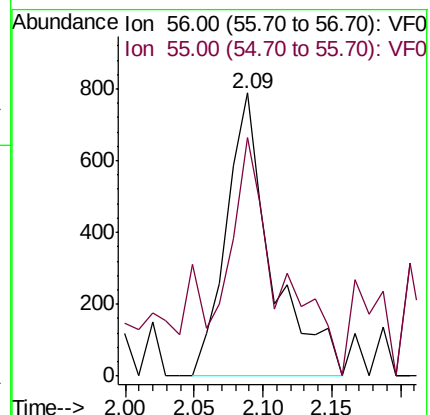
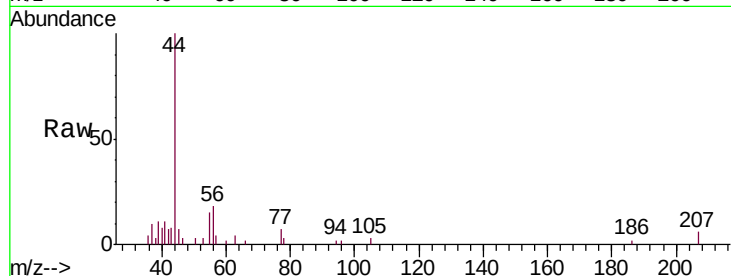
VSTDIC005

Tgt Ion: 56 Resp: 1803

Ion Ratio Lower Upper

56 100

55 84.4 59.2 88.8



#14

Allyl chloride

Concen: 6.878 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

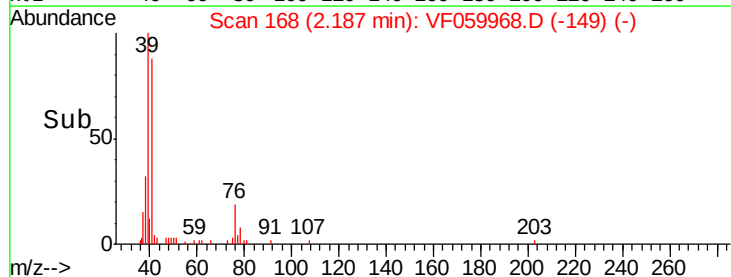
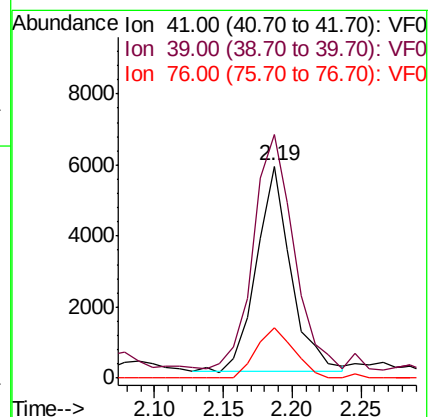
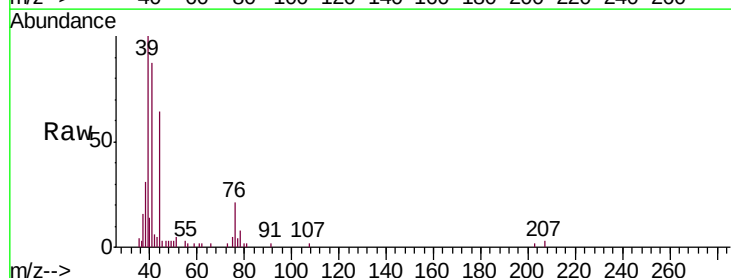
Tgt Ion: 41 Resp: 10089

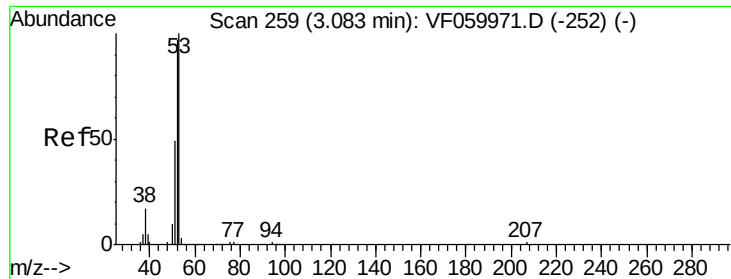
Ion Ratio Lower Upper

41 100

39 114.8 103.6 155.4

76 23.6 23.5 35.3





#15

Acrylonitrile

Concen: 55.657 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

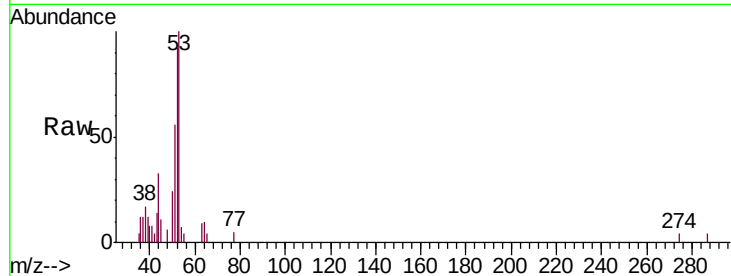
Tgt Ion: 53 Resp: 8823

Ion Ratio Lower Upper

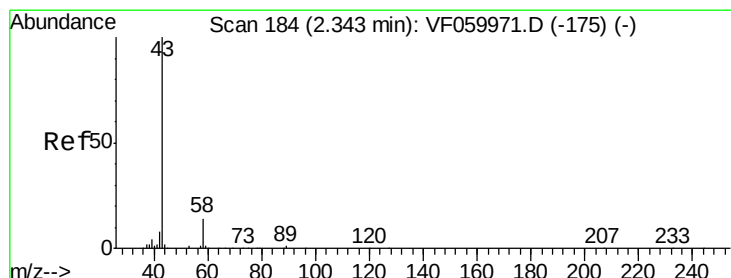
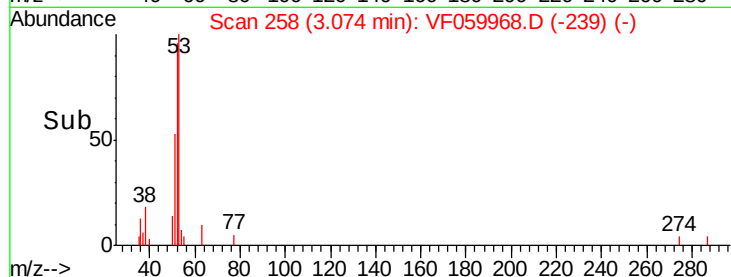
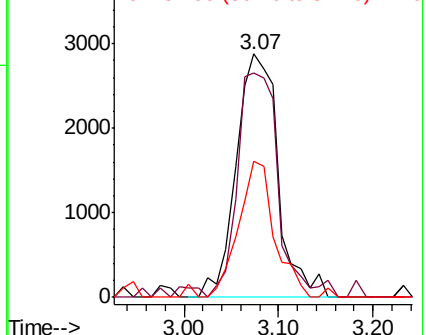
53 100

52 92.2 77.6 116.4

51 56.1 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: 56.572 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059968.D

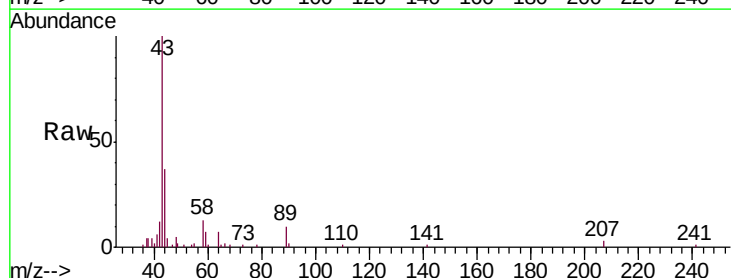
Acq: 16 Aug 2018 18:46

Tgt Ion: 43 Resp: 28832

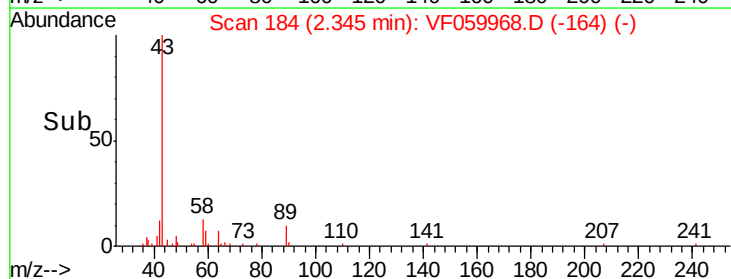
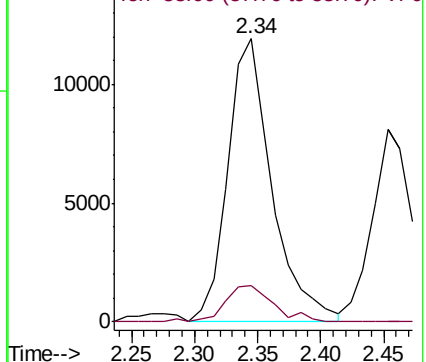
Ion Ratio Lower Upper

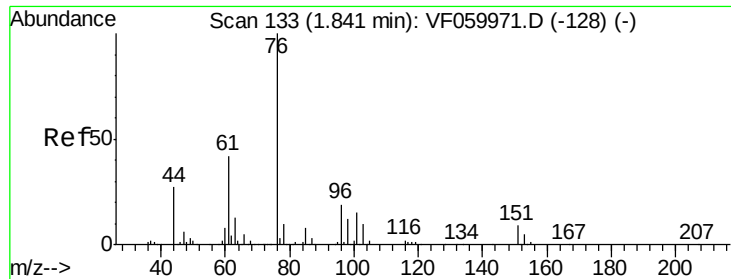
43 100

58 12.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

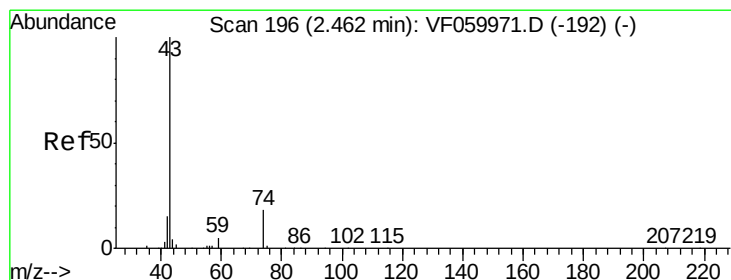
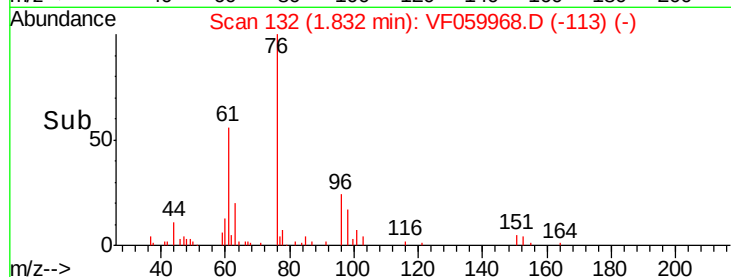
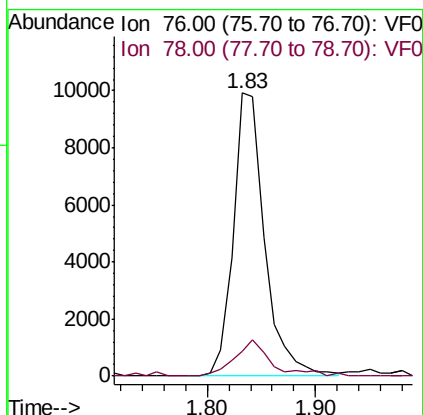
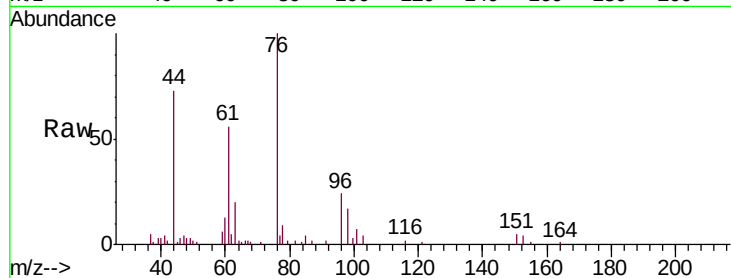




#17
Carbon Disulfide
Concen: 7.537 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

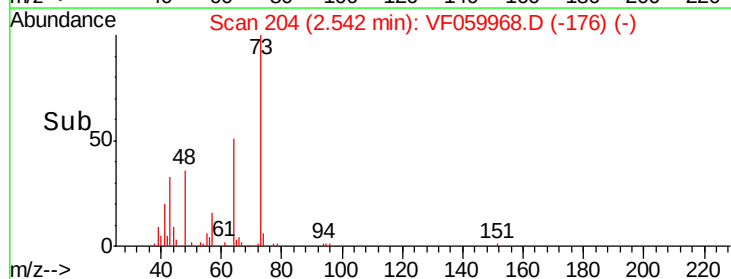
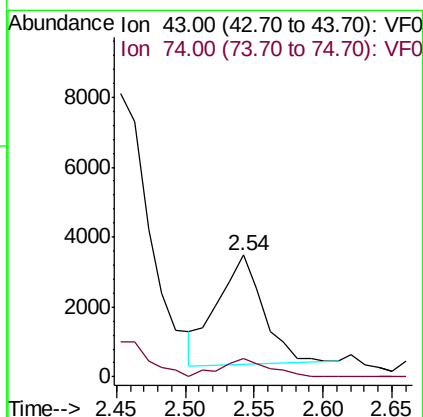
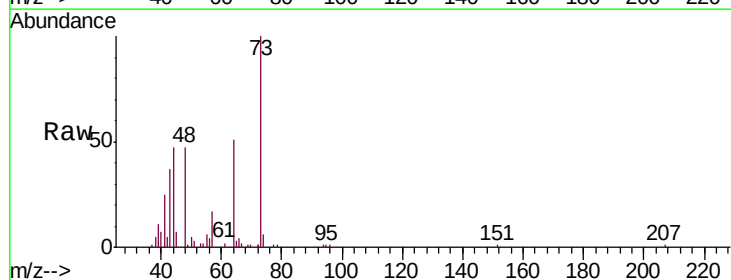
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

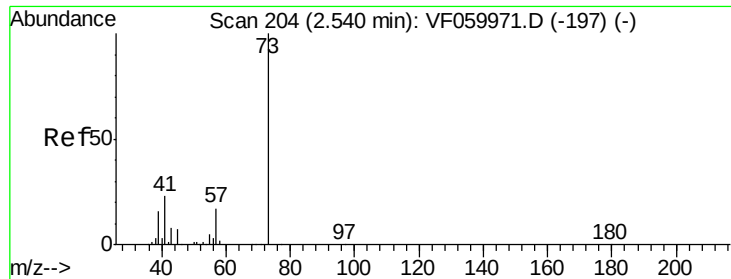
Tgt Ion: 76 Resp: 20012
Ion Ratio Lower Upper
76 100
78 8.6 8.0 12.0



#18
Methyl Acetate
Concen: 9.234 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.08 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 43 Resp: 7326
Ion Ratio Lower Upper
43 100
74 15.6 13.2 19.8

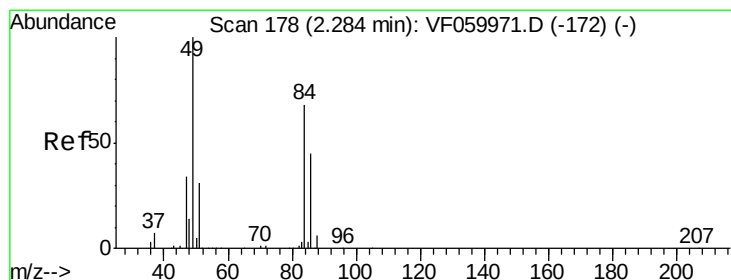
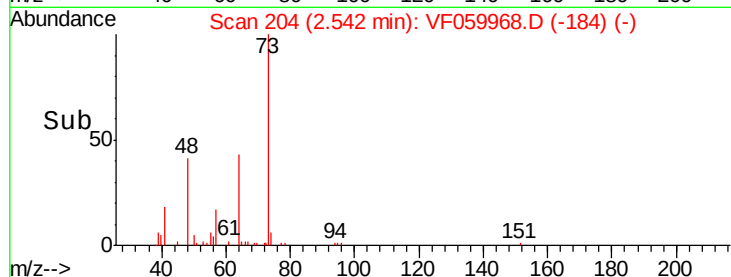
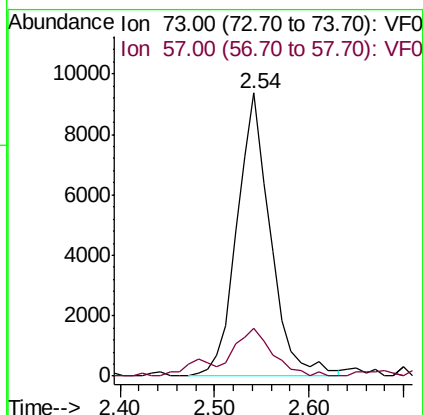
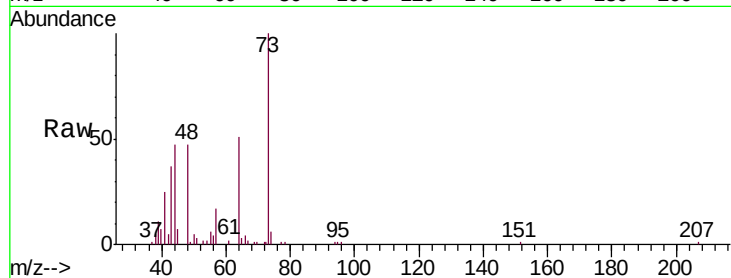




#19
Methyl tert-butyl Ether
Concen: 7.614 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

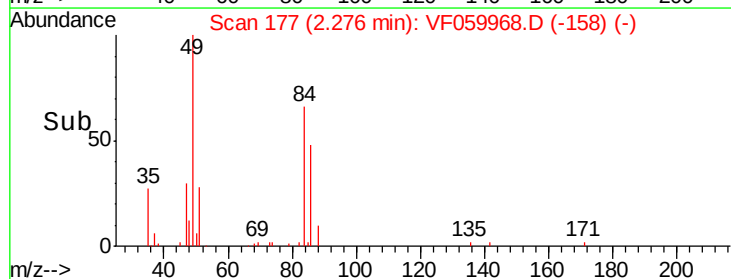
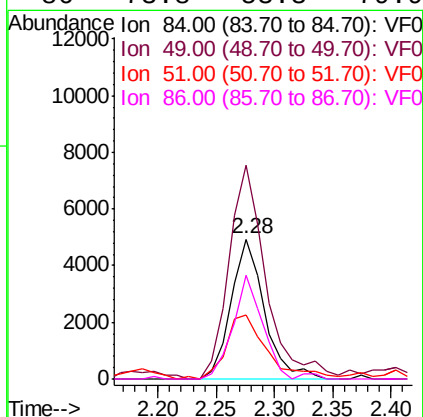
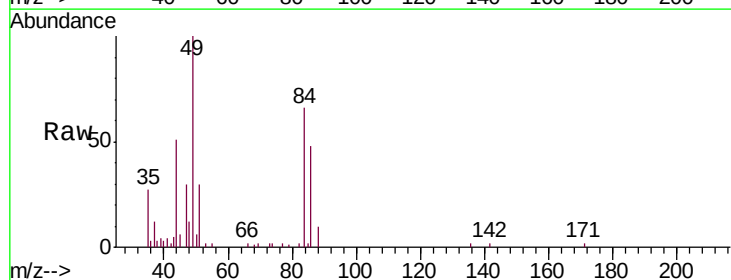
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

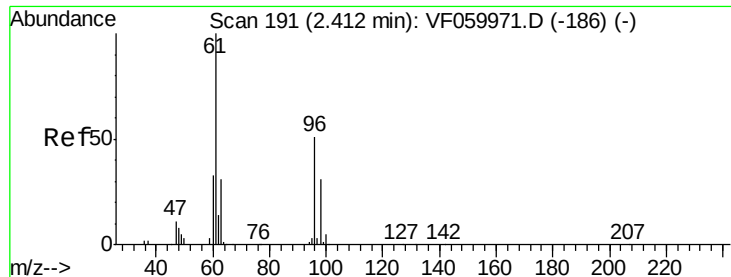
Tgt Ion: 73 Resp: 23013
Ion Ratio Lower Upper
73 100
57 17.0 13.7 20.5



#20
Methylene Chloride
Concen: 8.628 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 84 Resp: 9878
Ion Ratio Lower Upper
84 100
49 152.5 118.2 177.2
51 45.8 36.3 54.5
86 73.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 5.576 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

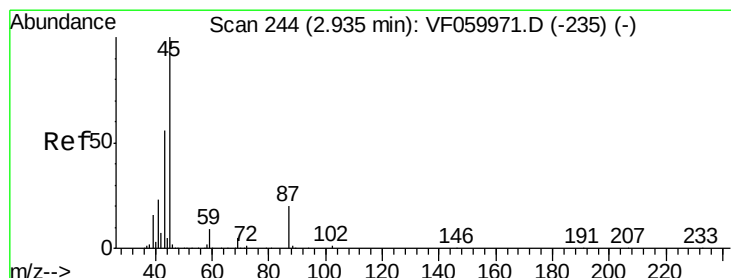
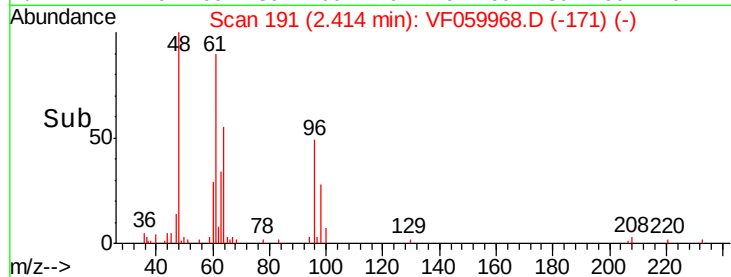
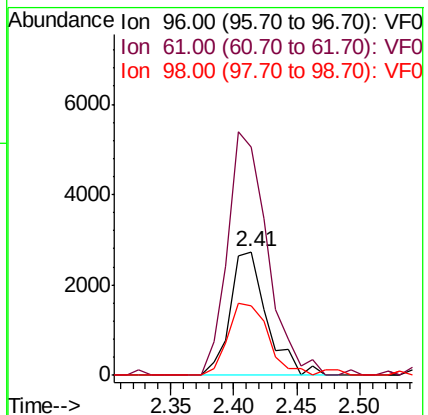
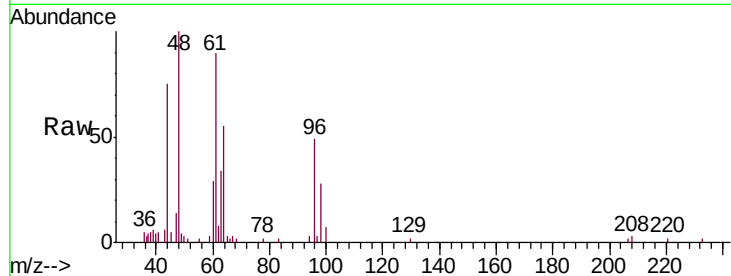
Tgt Ion: 96 Resp: 5440

Ion Ratio Lower Upper

96 100

61 174.2 156.9 235.3

98 53.4 48.6 73.0



#22

Diisopropyl ether

Concen: 6.654 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Tgt Ion: 45 Resp: 22445

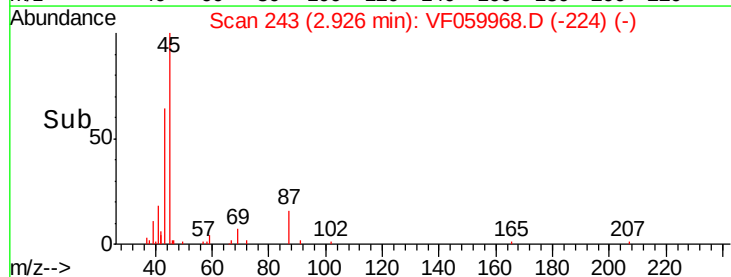
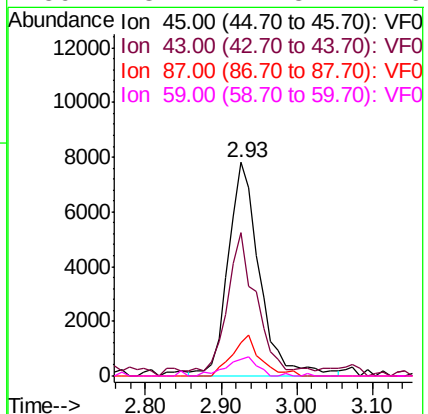
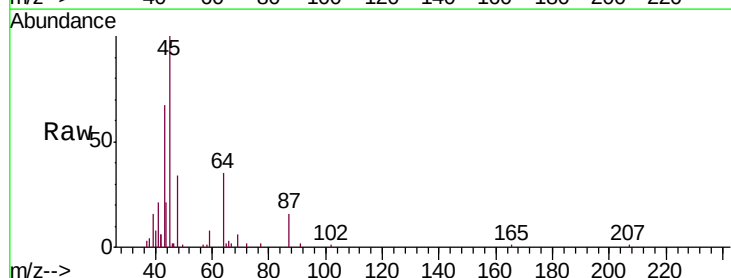
Ion Ratio Lower Upper

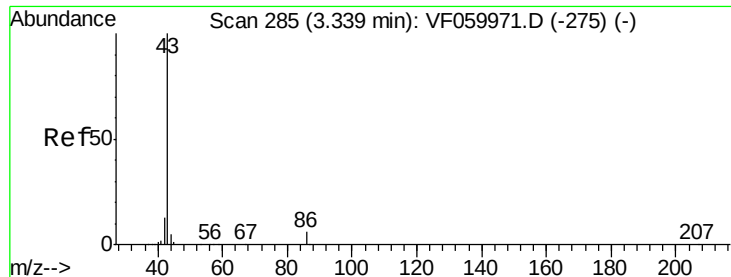
45 100

43 67.0 44.9 67.3

87 15.8 15.8 23.6

59 8.1 7.8 11.6





#23

Vinyl Acetate

Concen: 21.730 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

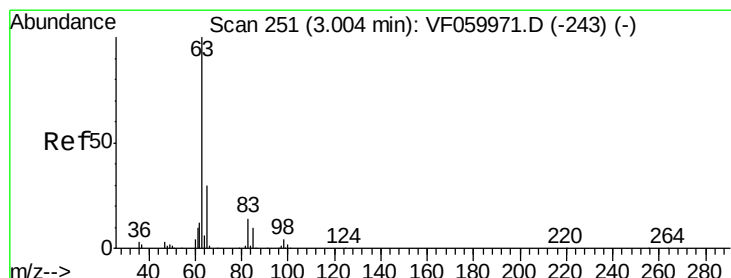
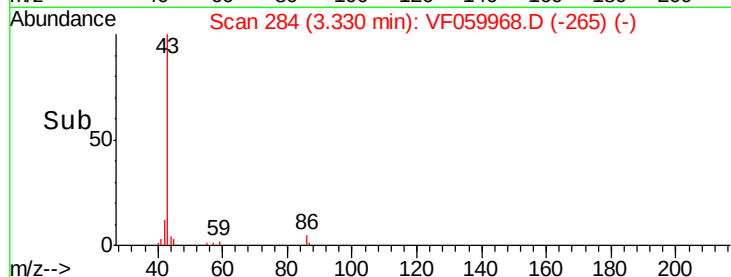
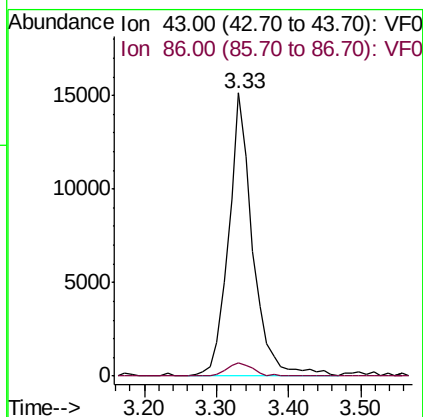
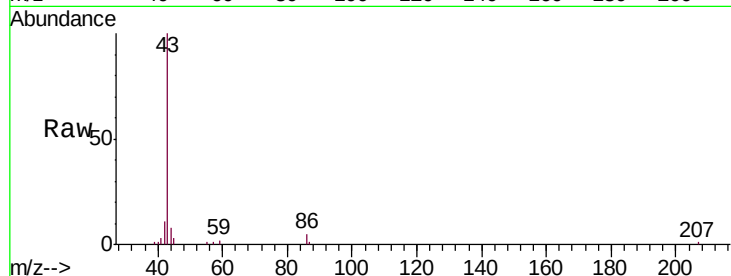
VSTDIC005

Tgt Ion: 43 Resp: 35344

Ion Ratio Lower Upper

43 100

86 4.5 4.5 6.7



#24

1,1-Dichloroethane

Concen: 5.607 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

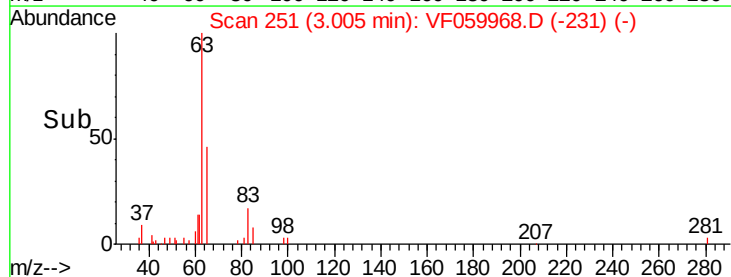
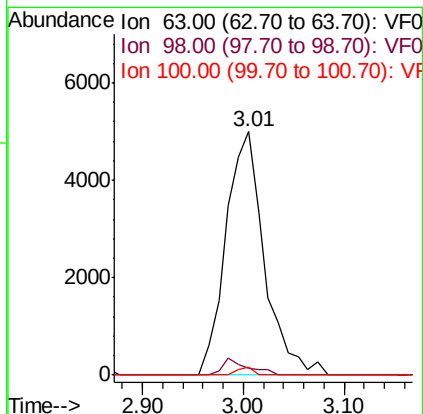
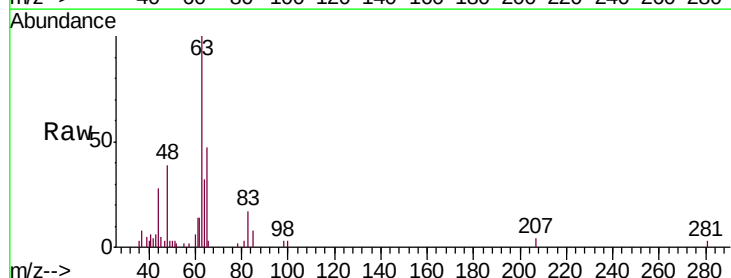
Tgt Ion: 63 Resp: 13211

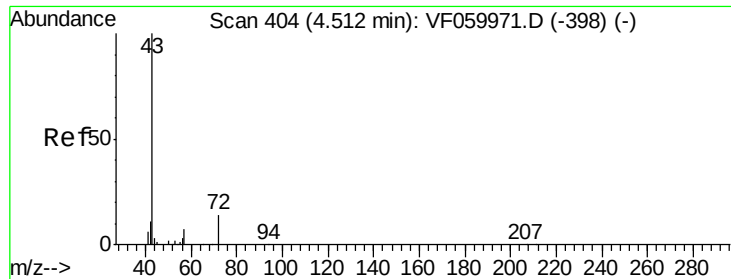
Ion Ratio Lower Upper

63 100

98 3.0 1.8 5.4

100 3.3 1.1 3.1#





#25

2-Butanone

Concen: 37.953 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

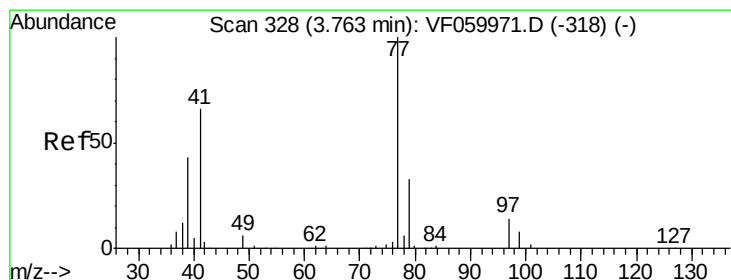
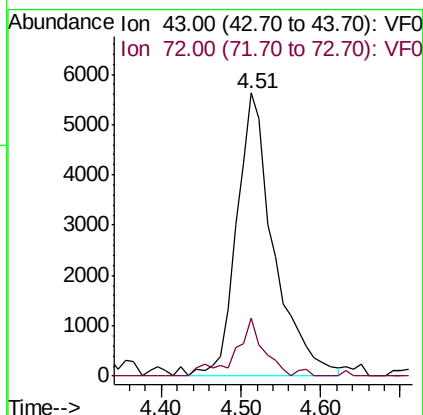
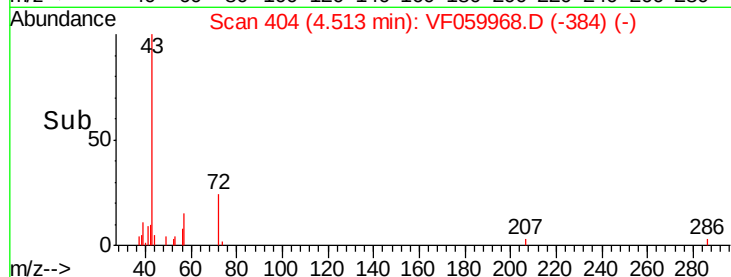
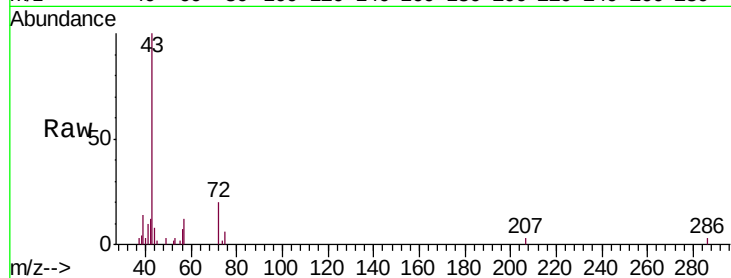
VSTDIC005

Tgt Ion: 43 Resp: 18171

Ion Ratio Lower Upper

43 100

72 20.3 13.4 20.2#



#26

2,2-Dichloropropane

Concen: 7.801 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059968.D

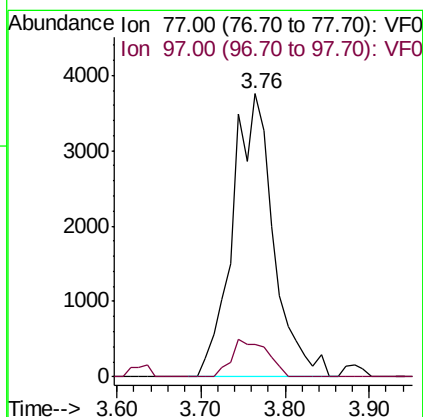
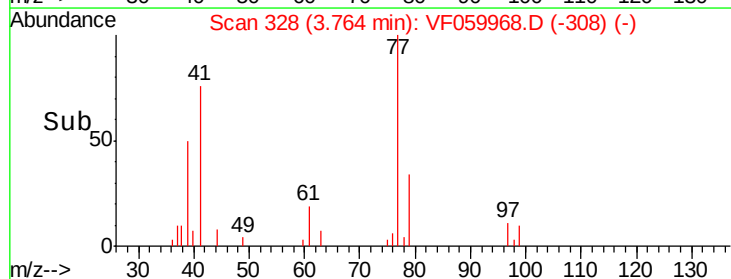
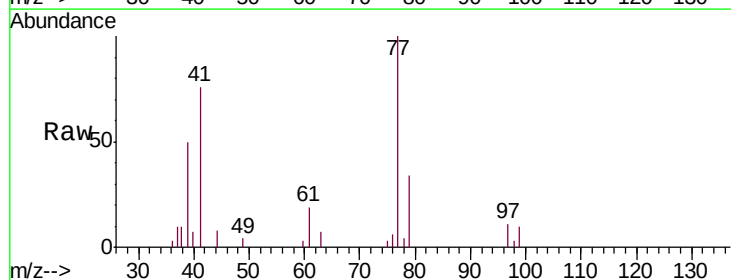
Acq: 16 Aug 2018 18:46

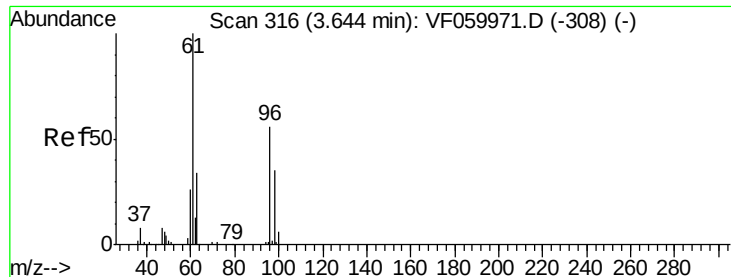
Tgt Ion: 77 Resp: 12805

Ion Ratio Lower Upper

77 100

97 11.3 7.4 22.3



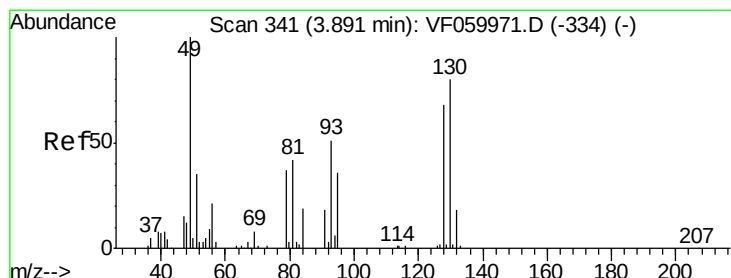
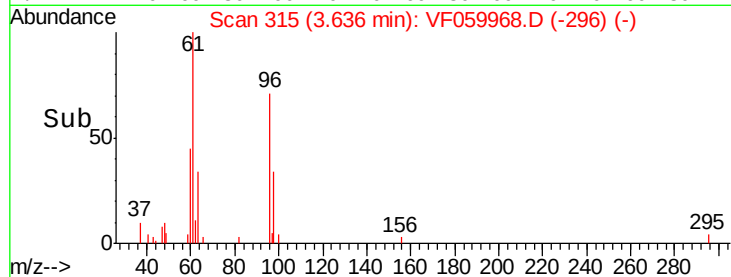
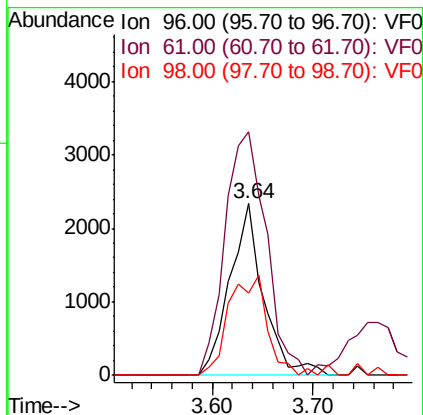
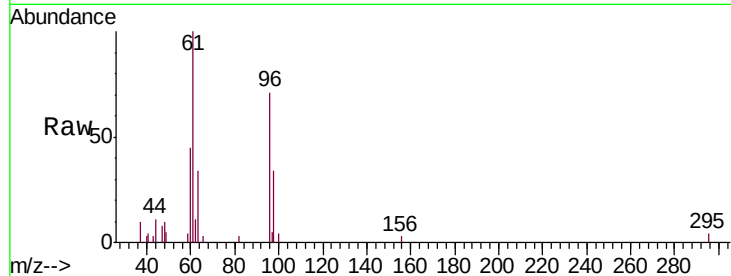


#27

cis-1,2-Dichloroethene
 Concen: 5.199 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

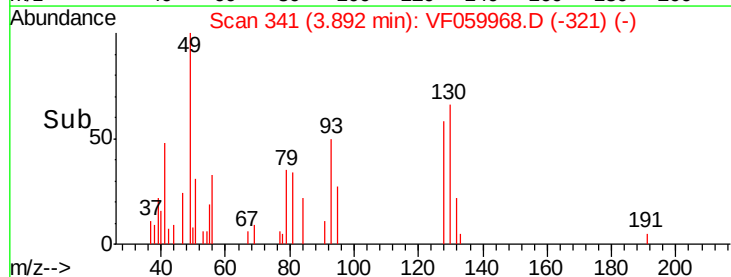
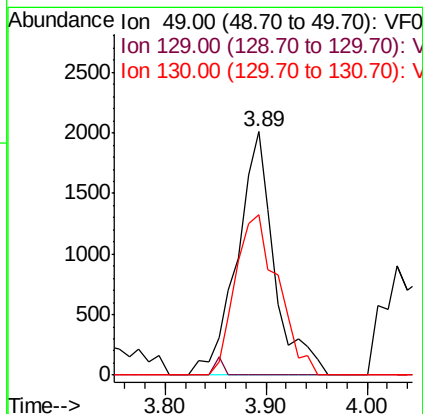
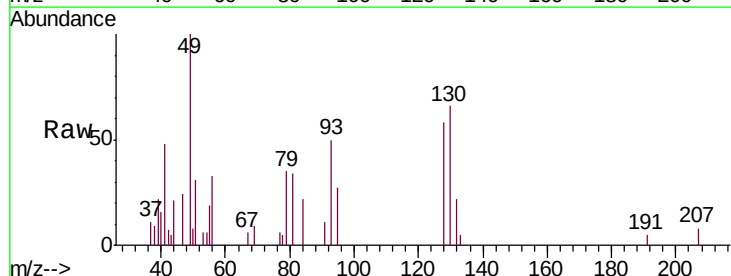
Tgt Ion: 96 Resp: 5440
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 356.4
 98 47.8 0.0 125.2

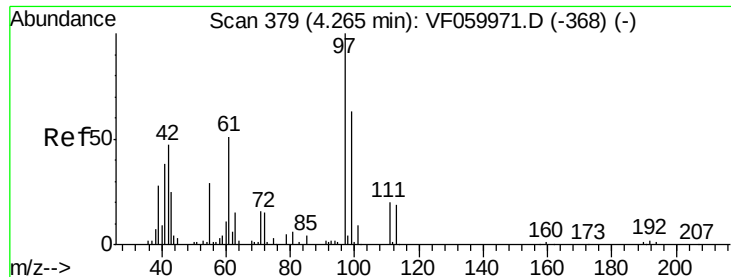


#28

Bromochloromethane
 Concen: 6.253 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 49 Resp: 5168
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 65.9 64.0 96.0

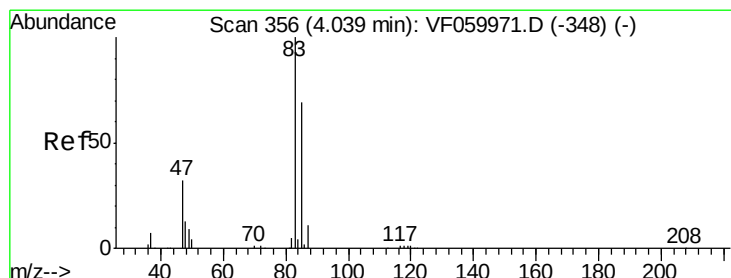
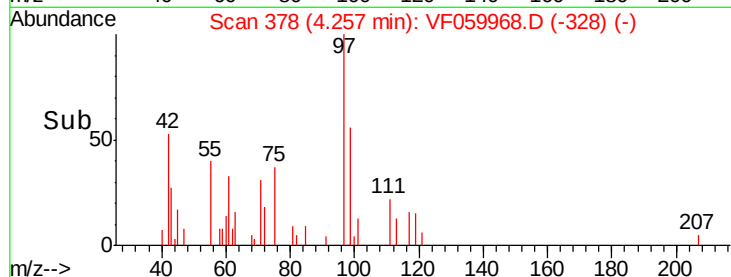
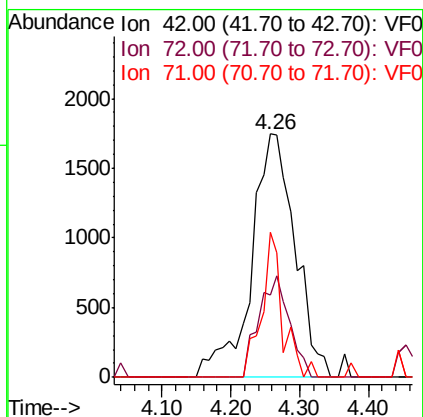
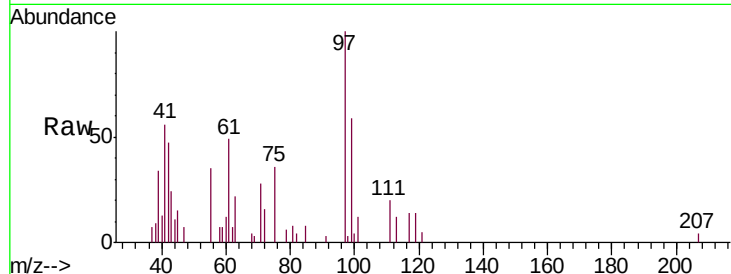




#29
Tetrahydrofuran
Concen: 45.963 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

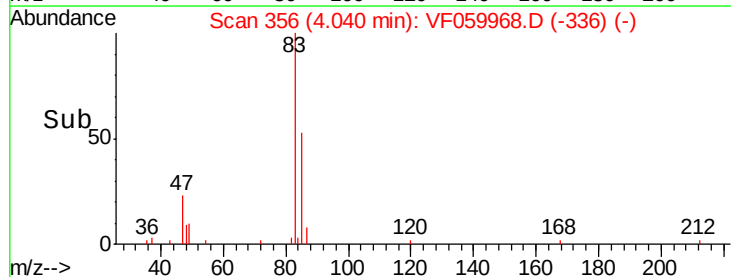
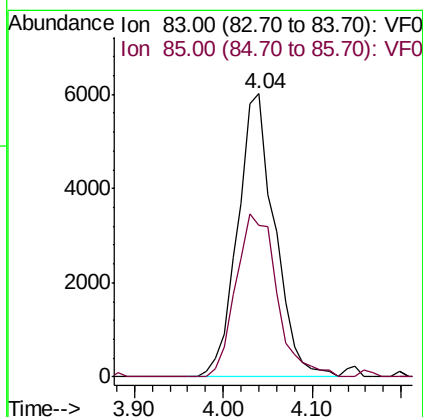
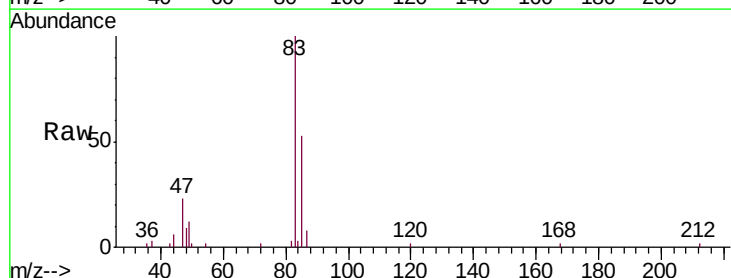
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

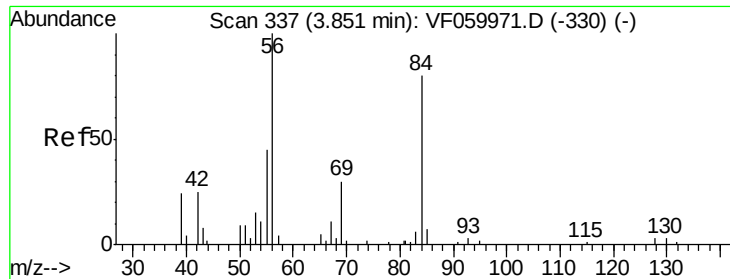
Tgt Ion: 42 Resp: 7728
Ion Ratio Lower Upper
42 100
72 29.3 27.9 41.9
71 29.1 26.9 40.3



#30
Chloroform
Concen: 5.602 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 83 Resp: 17402
Ion Ratio Lower Upper
83 100
85 53.5 54.9 82.3#

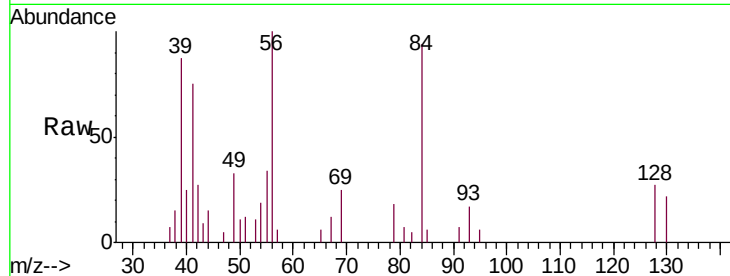




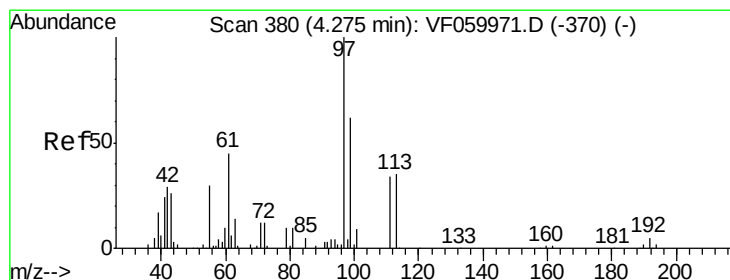
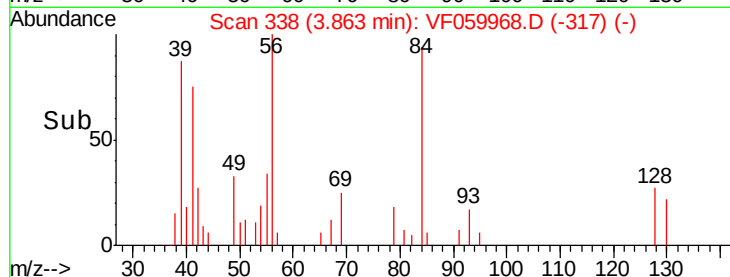
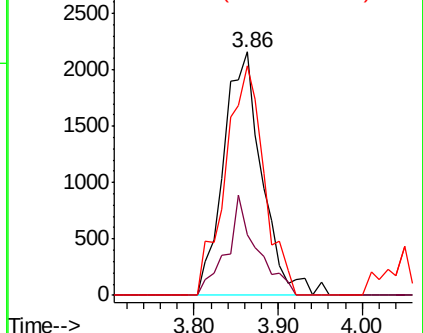
#31
Cyclohexane
Concen: 6.187 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 6873
Ion Ratio Lower Upper
56 100
69 25.0 23.8 35.6
84 94.3 64.3 96.5

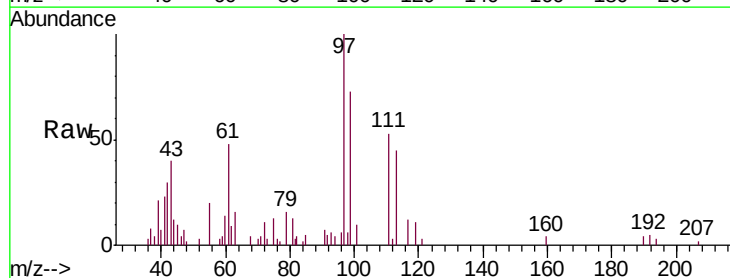


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

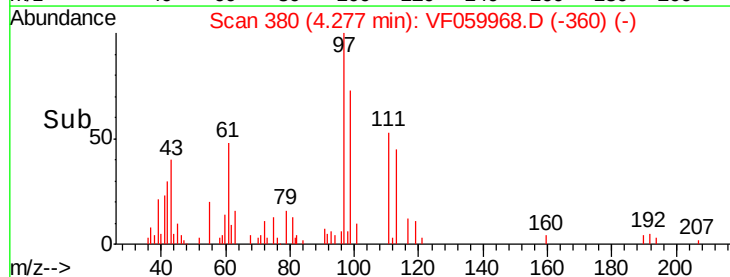
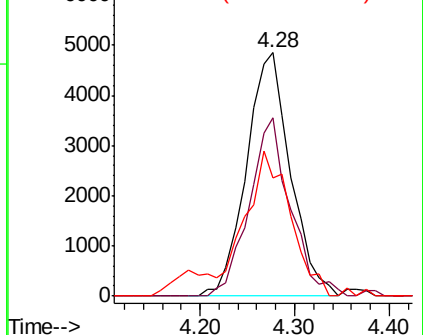


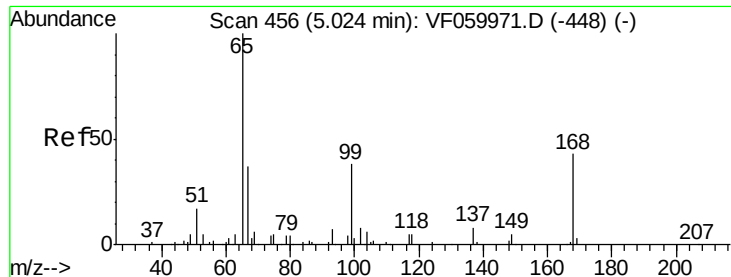
#32
1,1,1-Trichloroethane
Concen: 5.951 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 97 Resp: 15634
Ion Ratio Lower Upper
97 100
99 73.1 49.3 73.9
61 48.4 36.5 54.7



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

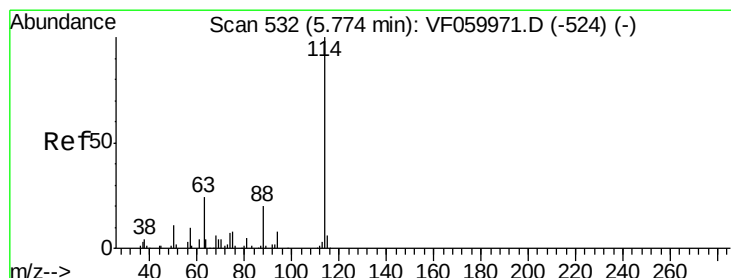
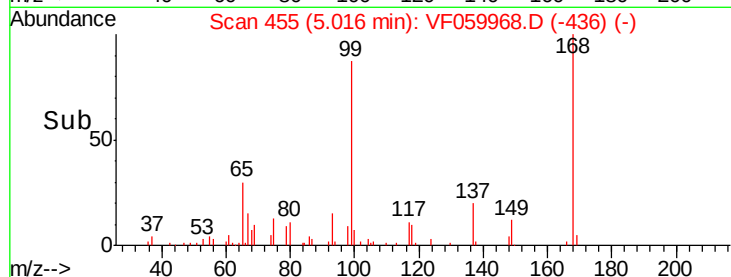
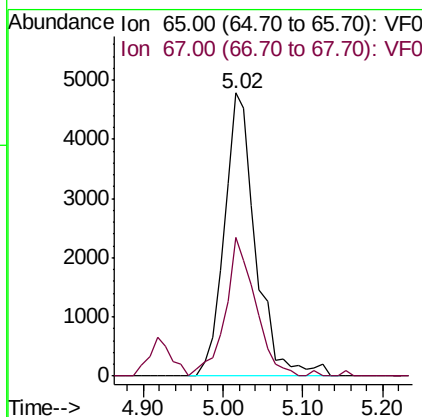
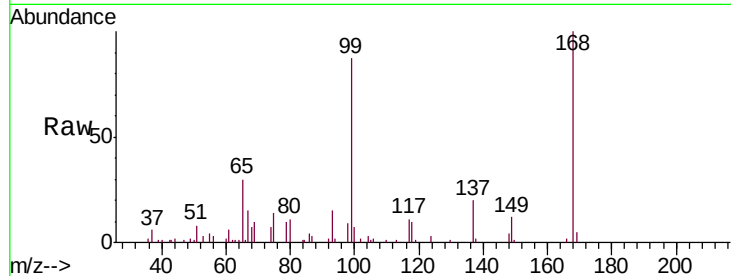




#33
 1,2-Dichloroethane-d4
 Concen: 5.922 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

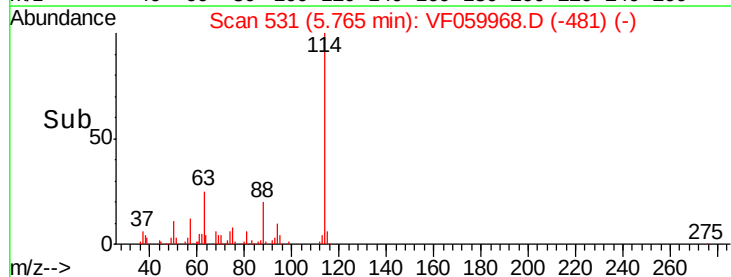
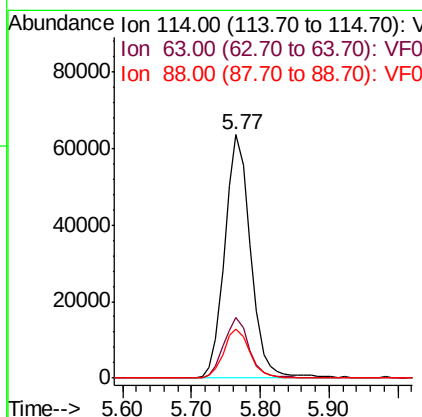
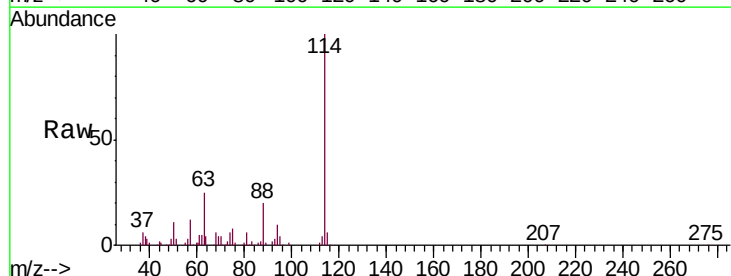
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

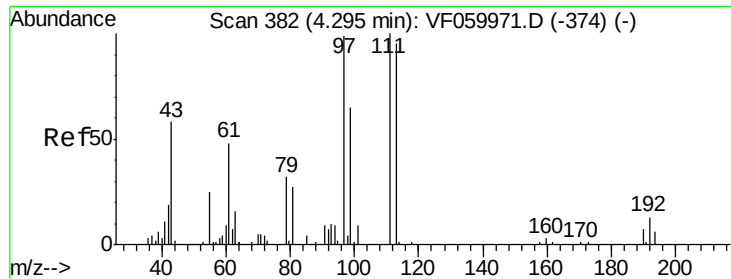
Tgt Ion: 65 Resp: 13127
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 84.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 114 Resp: 165710
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.8
 88 20.3 0.0 39.6

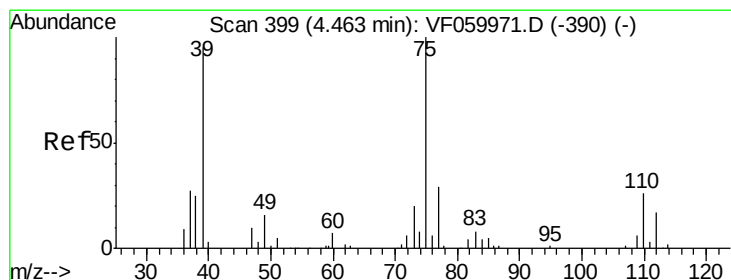
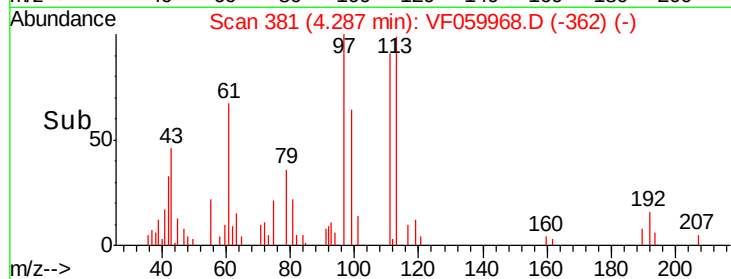
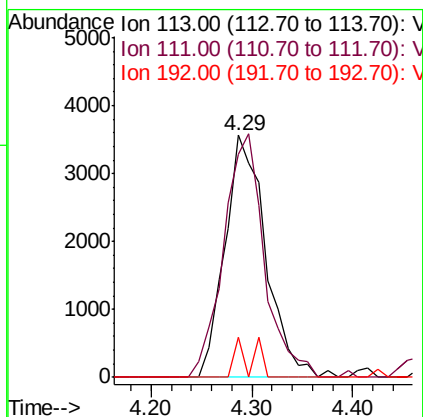
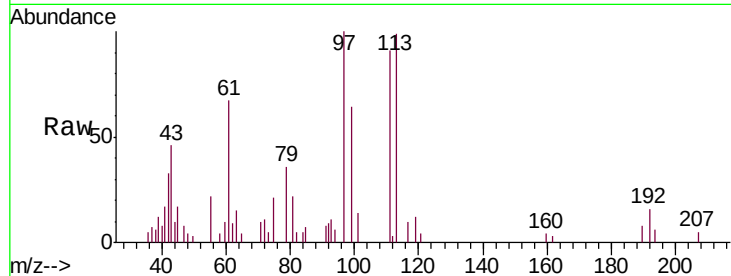




#35
 Dibromofluoromethane
 Concen: 5.958 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

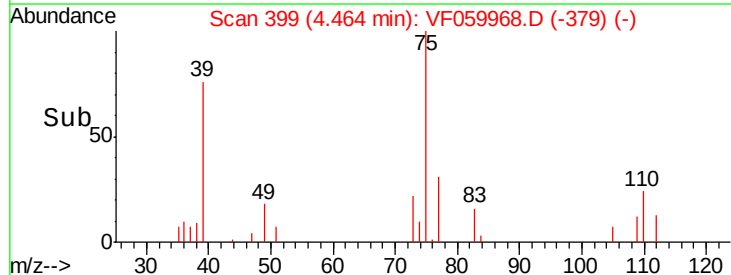
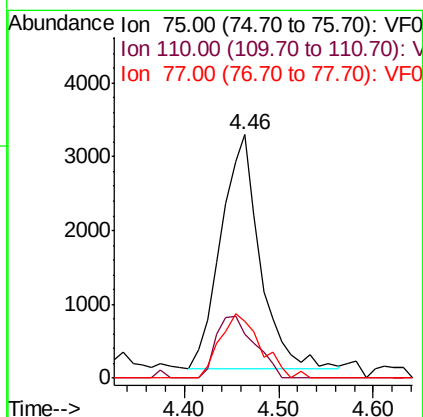
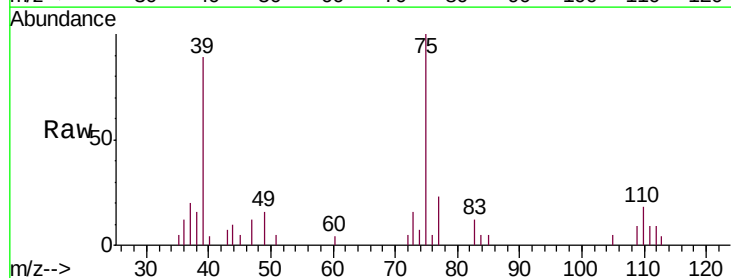
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

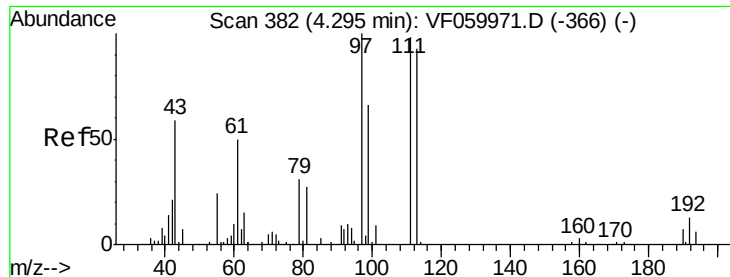
Tgt Ion: 113 Resp: 10032
 Ion Ratio Lower Upper
 113 100
 111 92.1 83.9 125.9
 192 16.6 11.3 16.9



#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 75 Resp: 9050
 Ion Ratio Lower Upper
 75 100
 110 18.3 13.1 39.3
 77 23.4 23.4 35.0

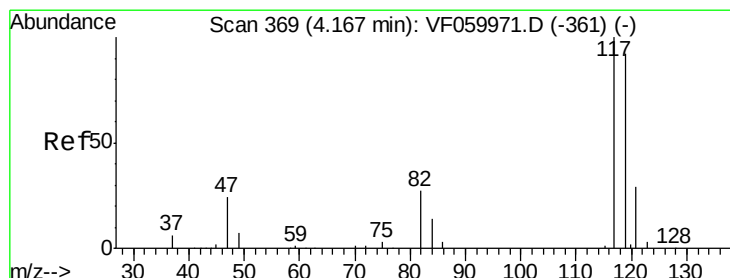
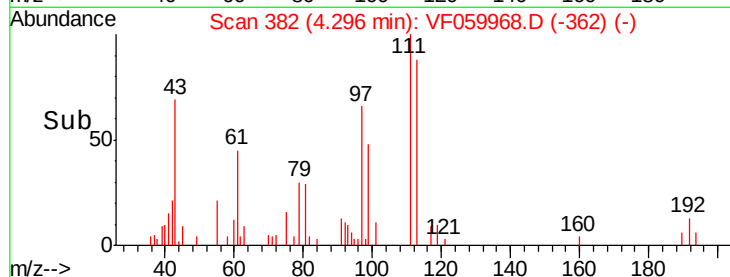
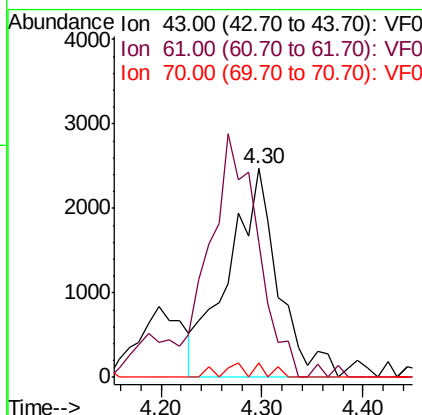
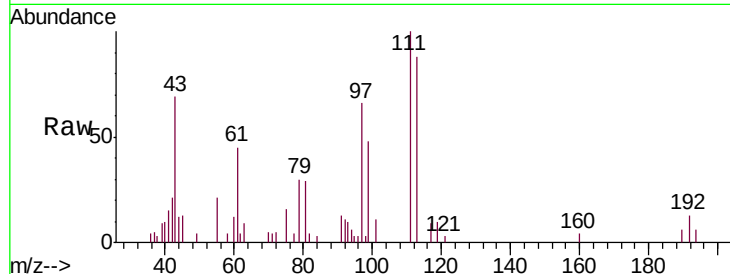




#37
Ethyl Acetate
 Concen: 9.456 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

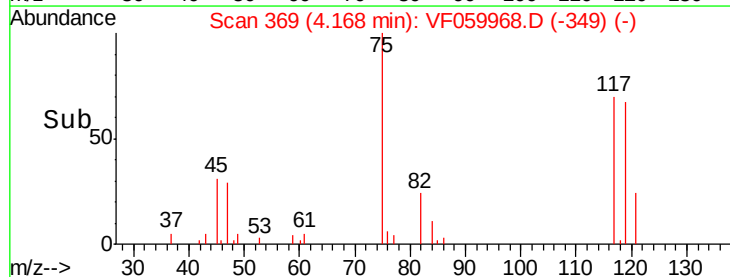
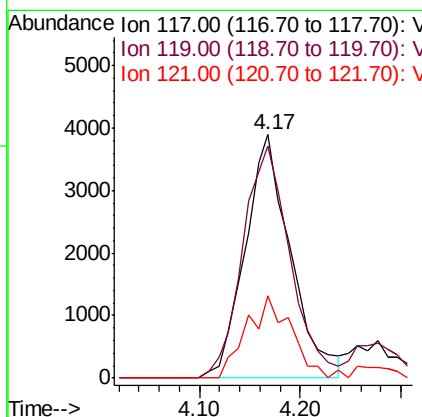
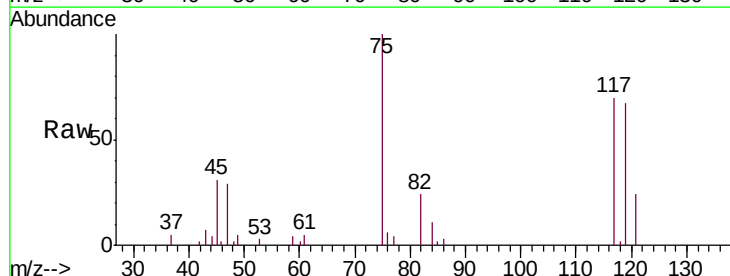
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

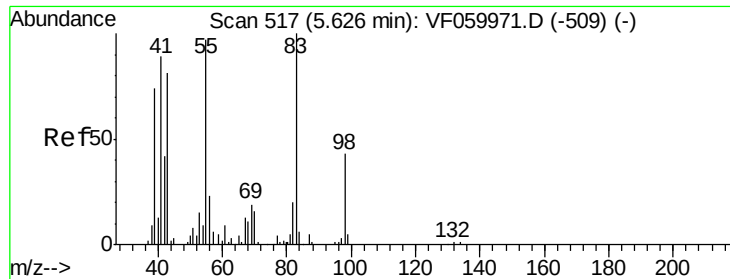
Tgt Ion: 43 Resp: 8472
 Ion Ratio Lower Upper
 43 100
 61 64.7 67.0 100.4#
 70 7.0 6.7 10.1



#38
Carbon Tetrachloride
 Concen: 4.095 ug/l
 RT: 4.17 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 117 Resp: 12205
 Ion Ratio Lower Upper
 117 100
 119 95.1 73.6 110.4
 121 33.6 23.4 35.2

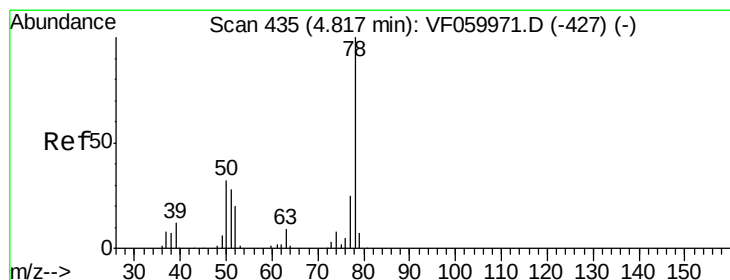
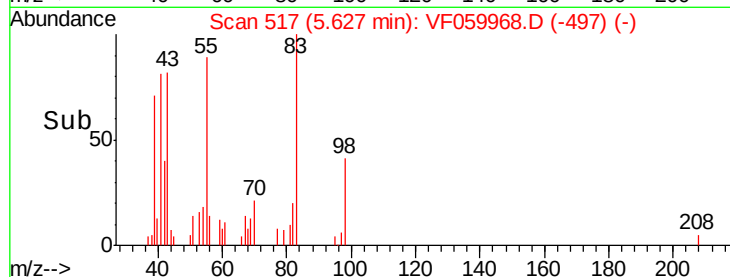
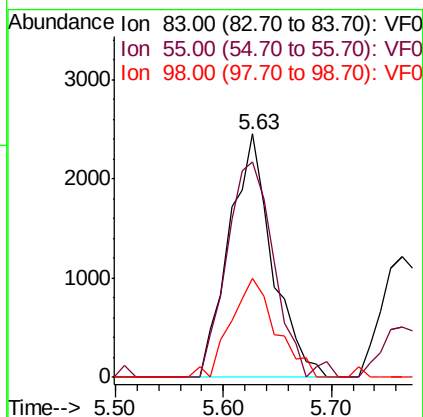
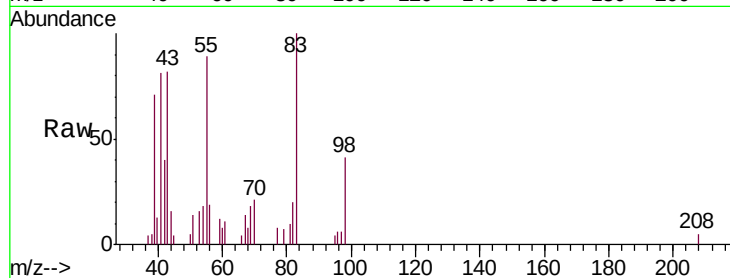




#39
Methylcyclohexane
Concen: 5.103 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

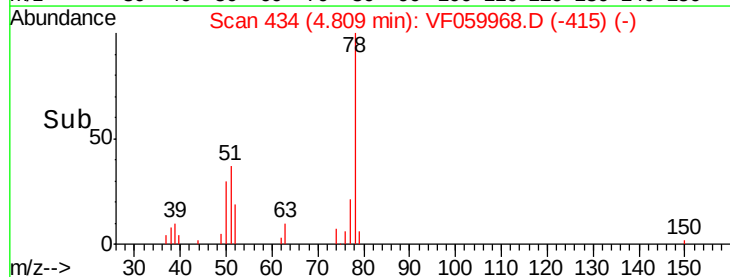
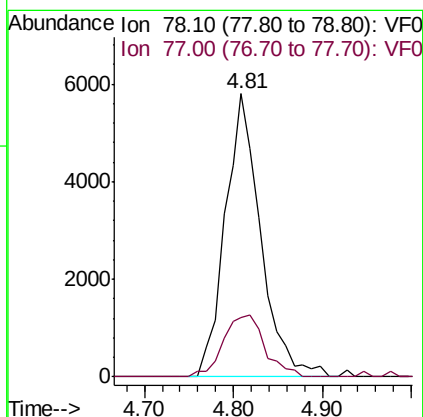
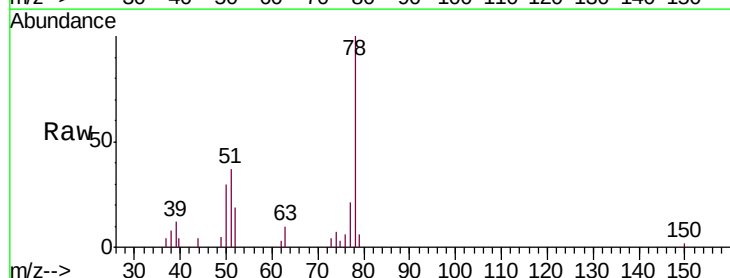
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

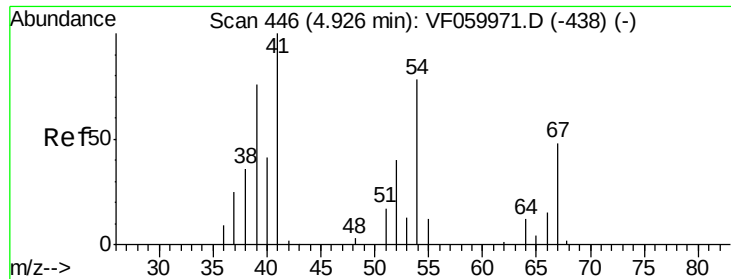
Tgt Ion: 83 Resp: 6796
Ion Ratio Lower Upper
83 100
55 88.6 77.7 116.5
98 40.6 34.2 51.4



#40
Benzene
Concen: 5.223 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 78 Resp: 16116
Ion Ratio Lower Upper
78 100
77 21.1 20.3 30.5





#41

Methacrylonitrile

Concen: 7.831 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 3340

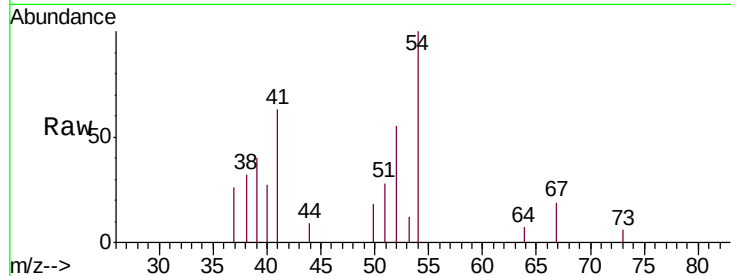
Ion Ratio Lower Upper

41 100

39 63.6 69.9 104.9#

67 30.9 38.6 58.0#

52 87.5 47.9 71.9#

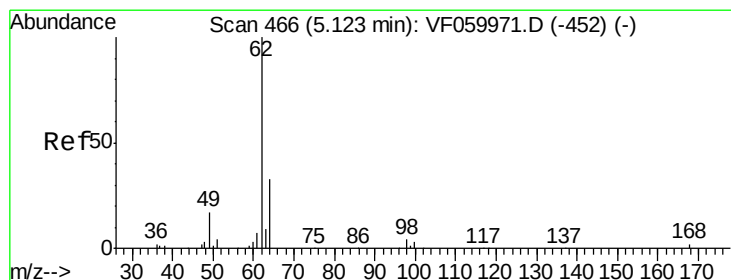
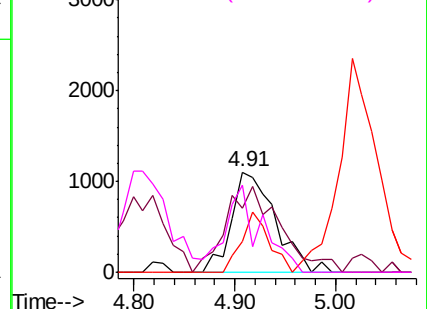
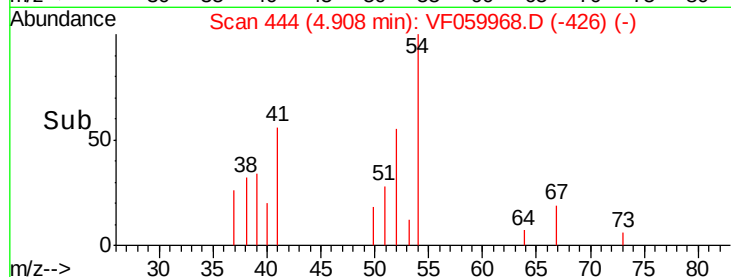


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 6.581 ug/l

RT: 5.11 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF059968.D

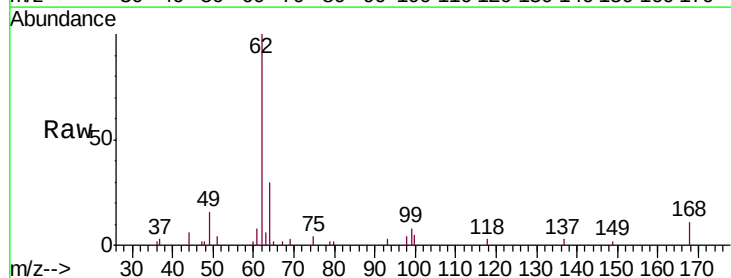
Acq: 16 Aug 2018 18:46

Tgt Ion: 62 Resp: 16704

Ion Ratio Lower Upper

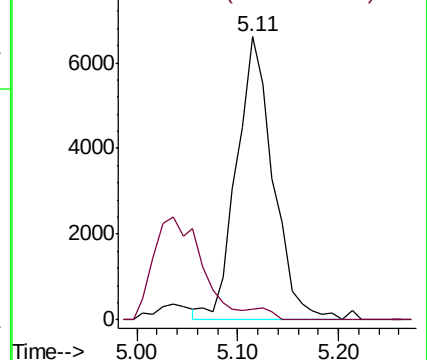
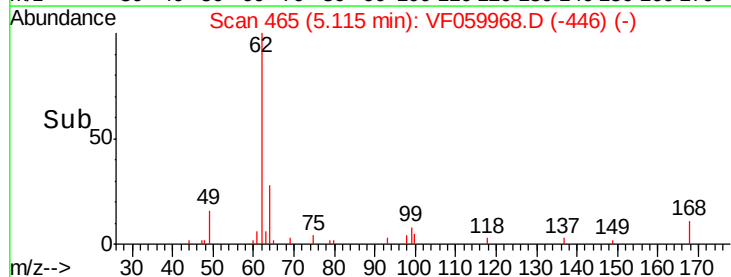
62 100

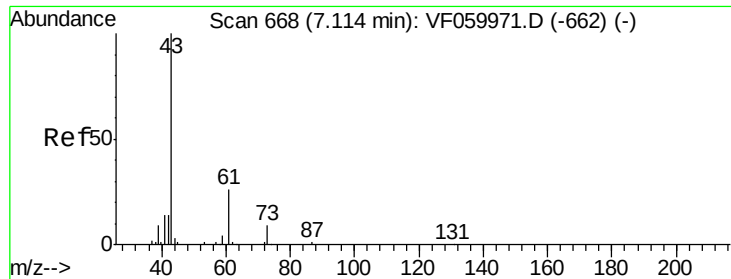
98 3.8 0.0 8.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 6.719 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

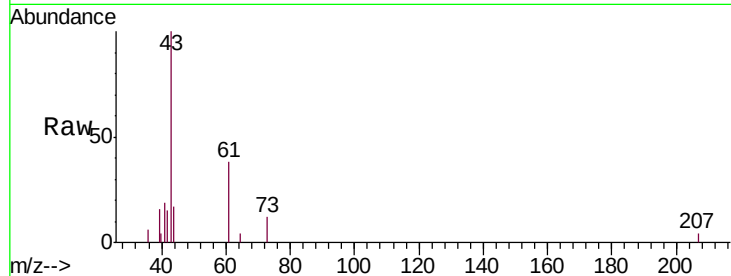
Tgt Ion: 43 Resp: 6575

Ion Ratio Lower Upper

43 100

61 37.6 20.8 31.2#

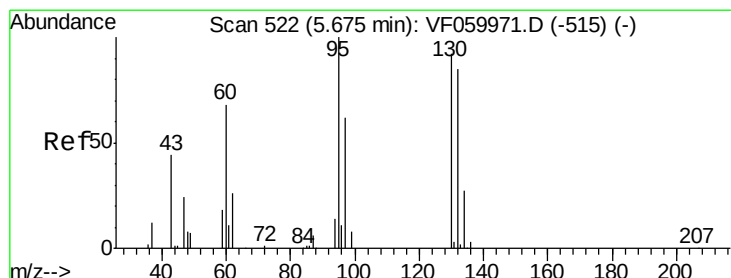
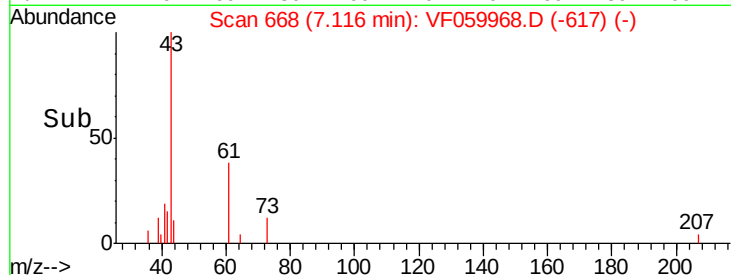
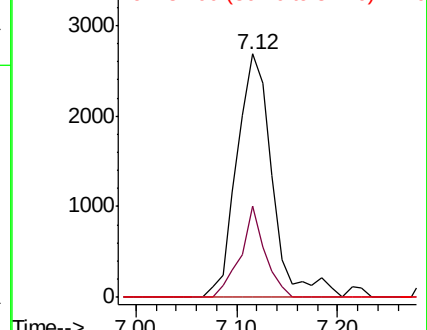
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 5.991 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF059968.D

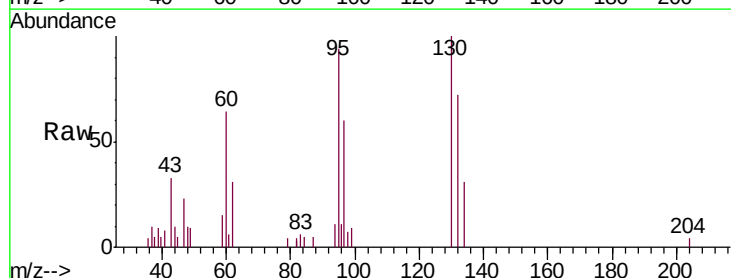
Acq: 16 Aug 2018 18:46

Tgt Ion: 130 Resp: 7166

Ion Ratio Lower Upper

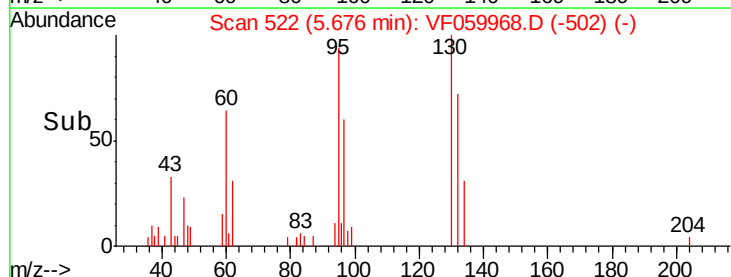
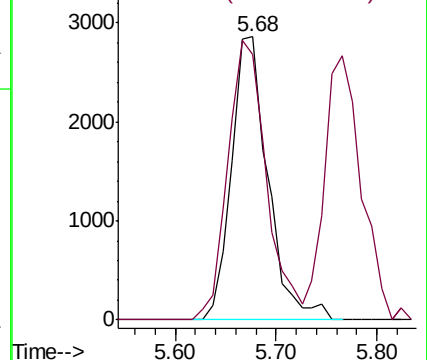
130 100

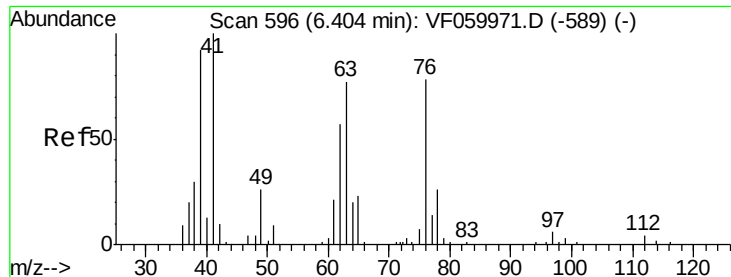
95 93.8 0.0 218.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

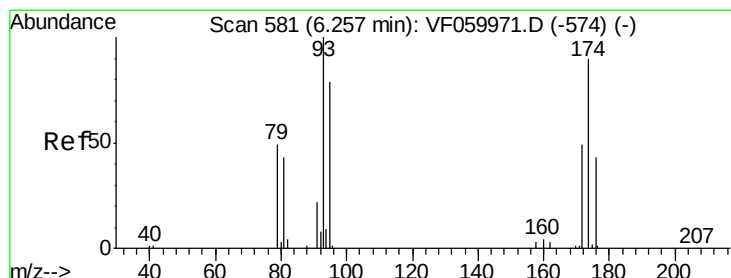
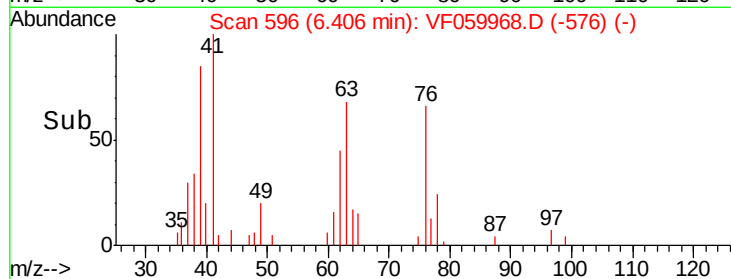
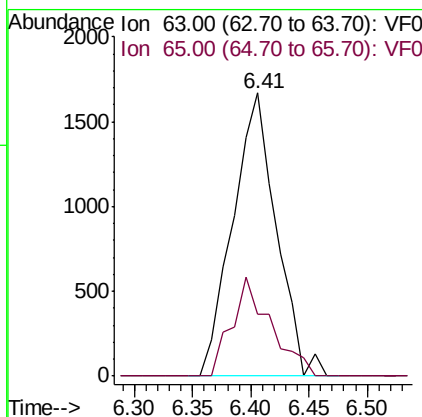
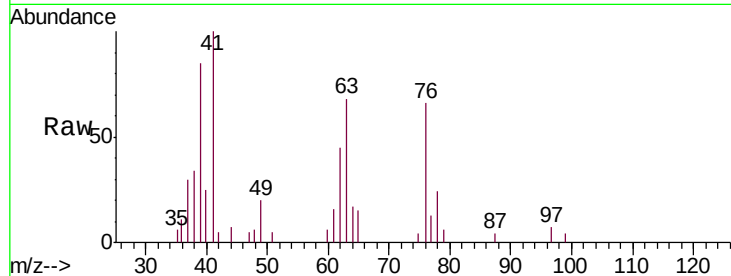




#45
1,2-Dichloropropane
Concen: 5.162 ug/l
RT: 6.41 min Scan# 596
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

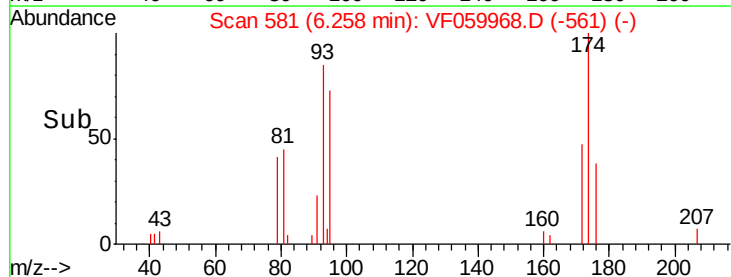
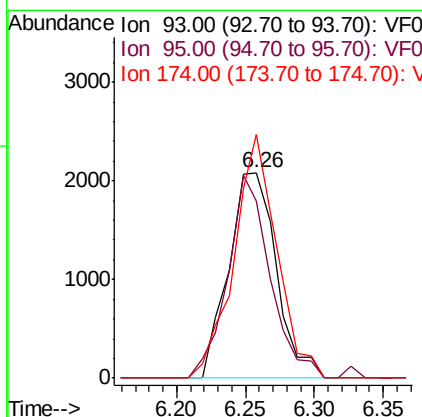
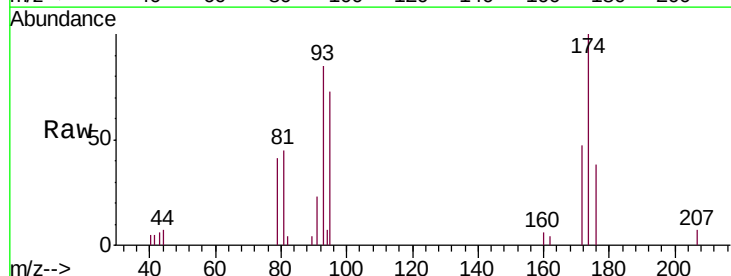
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

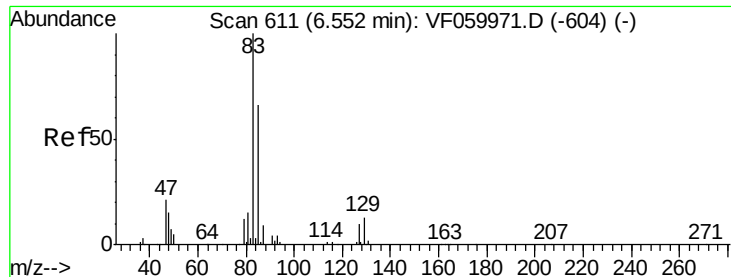
Tgt Ion: 63 Resp: 4321
Ion Ratio Lower Upper
63 100
65 21.9 23.8 35.6#



#46
Dibromomethane
Concen: 5.927 ug/l
RT: 6.26 min Scan# 581
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 93 Resp: 5027
Ion Ratio Lower Upper
93 100
95 86.0 64.0 96.0
174 118.3 71.8 107.8#





#47

Bromodichloromethane

Concen: 5.434 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

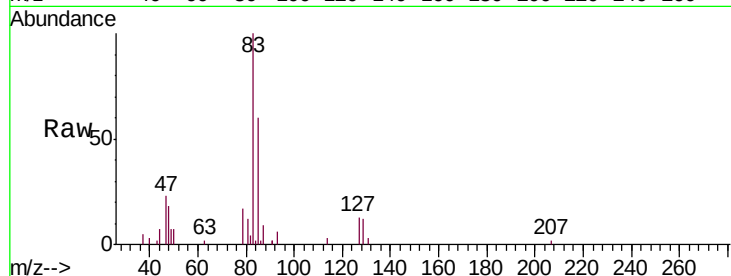
Tgt Ion: 83 Resp: 12936

Ion Ratio Lower Upper

83 100

85 60.0 53.2 79.8

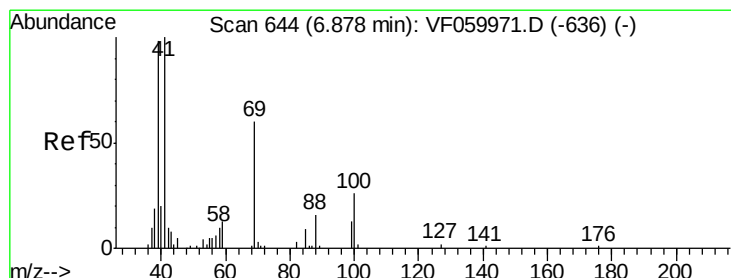
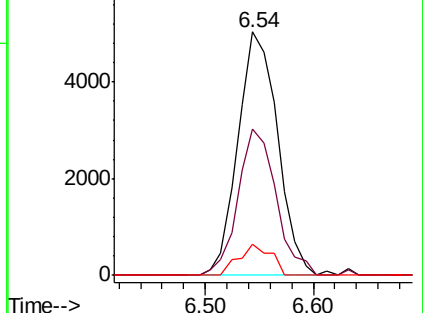
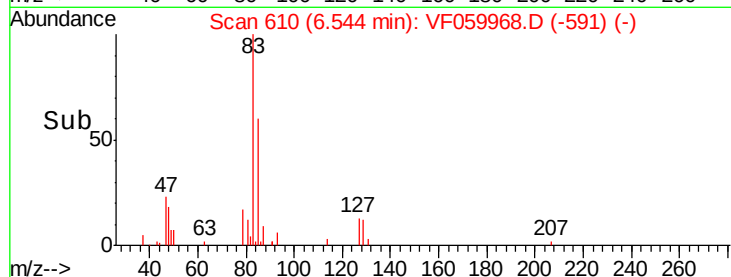
127 12.7 8.4 12.6#



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: 6.063 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

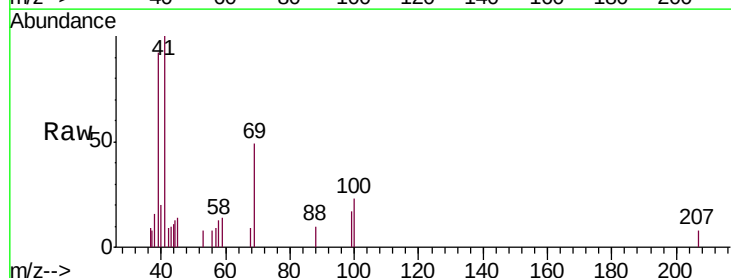
Tgt Ion: 41 Resp: 4358

Ion Ratio Lower Upper

41 100

69 49.4 48.1 72.1

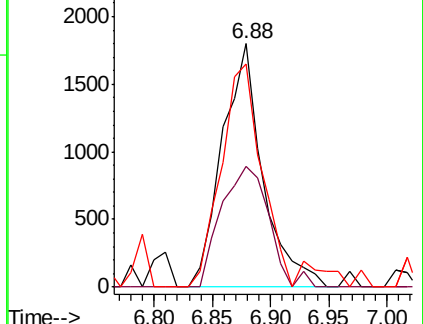
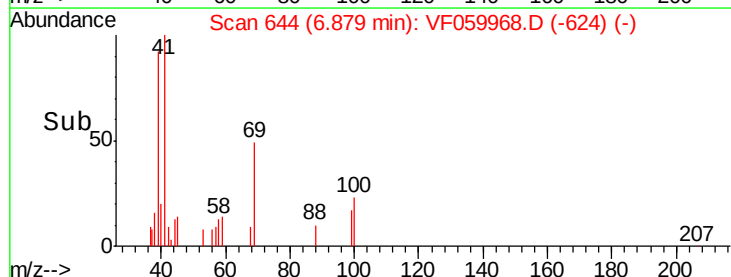
39 91.9 79.3 118.9

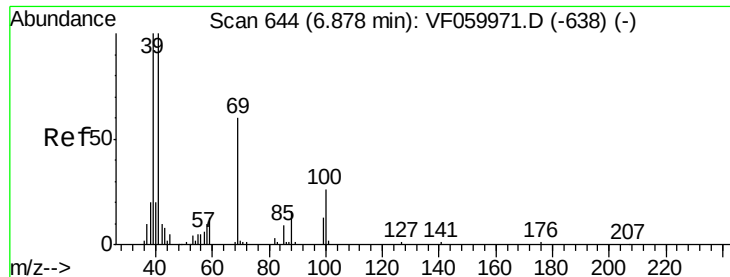


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

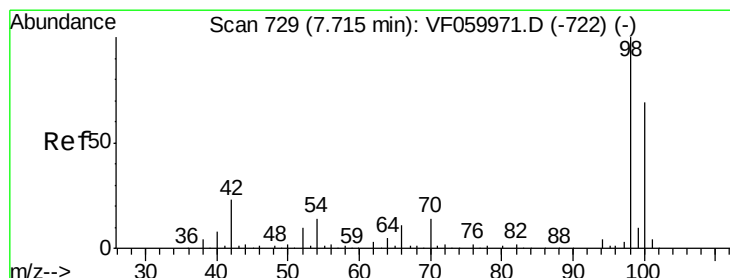
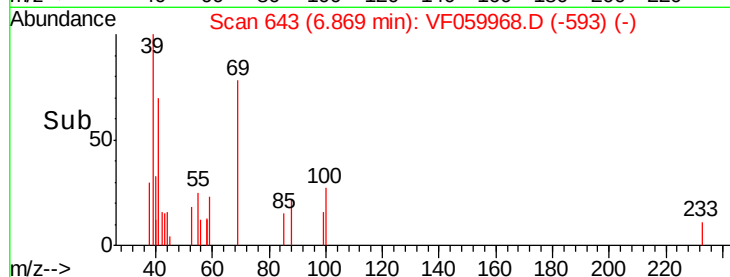
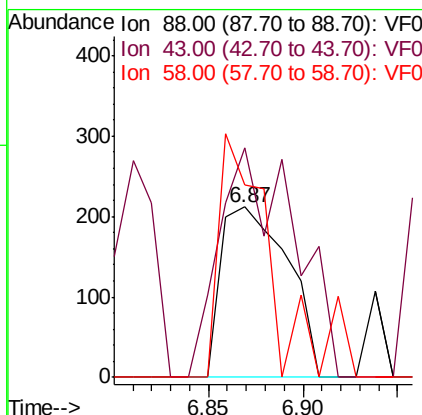
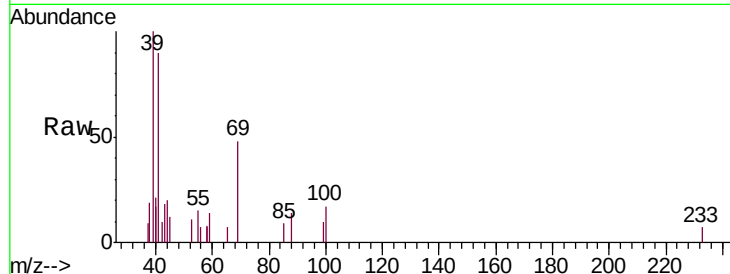




#49
1,4-Dioxane
Concen: 89.115 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

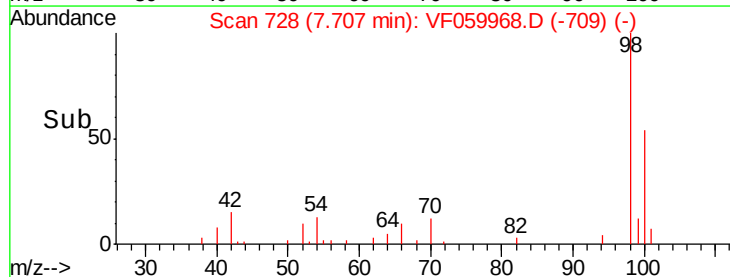
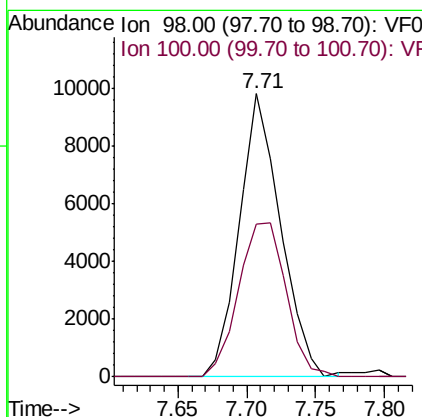
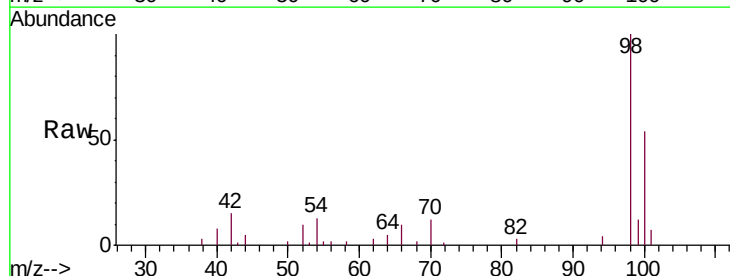
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

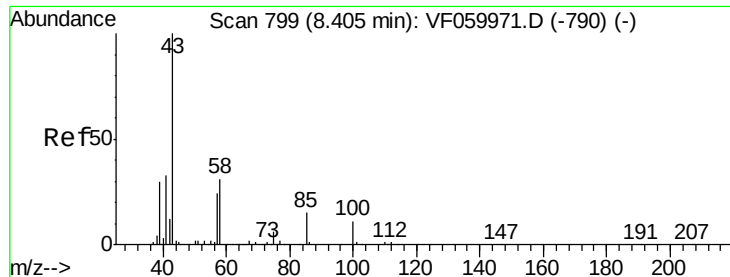
Tgt Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 134.4 45.3 67.9#
58 112.7 51.2 76.8#



#50
Toluene-d8
Concen: 5.614 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 98 Resp: 20573
Ion Ratio Lower Upper
98 100
100 53.8 55.3 82.9#

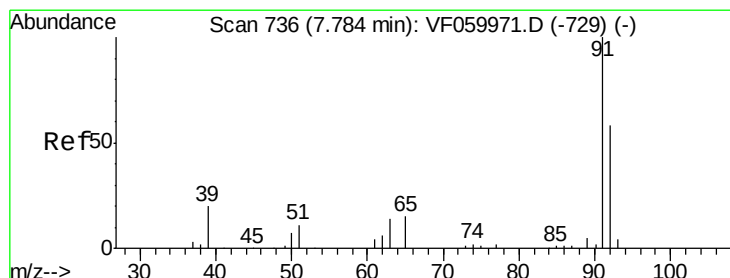
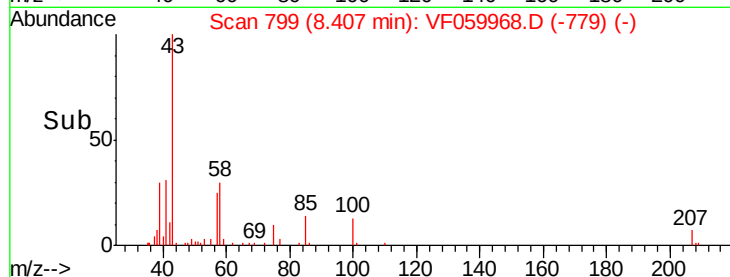
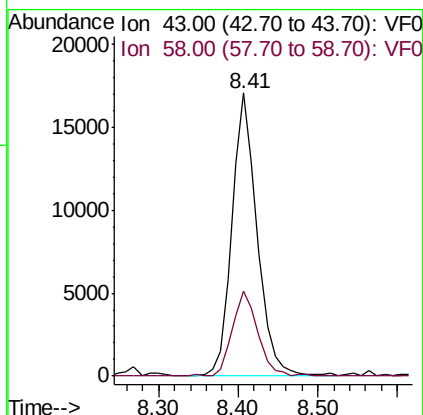
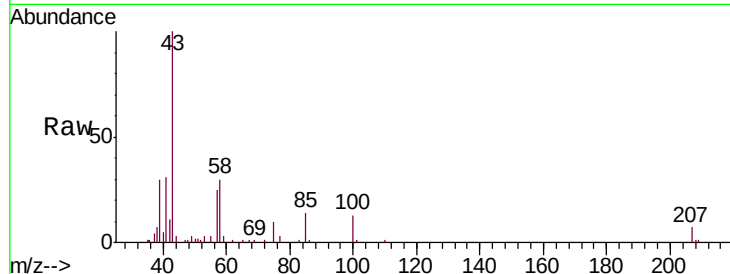




#51
 4-Methyl-2-Pentanone
 Concen: 40.531 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

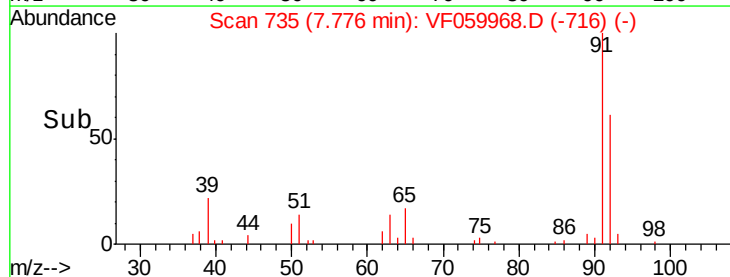
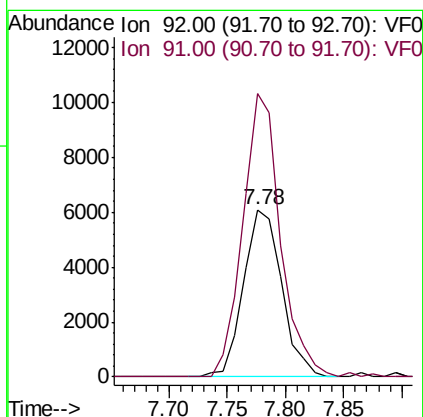
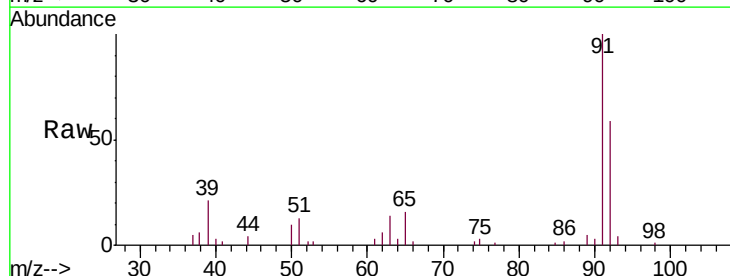
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

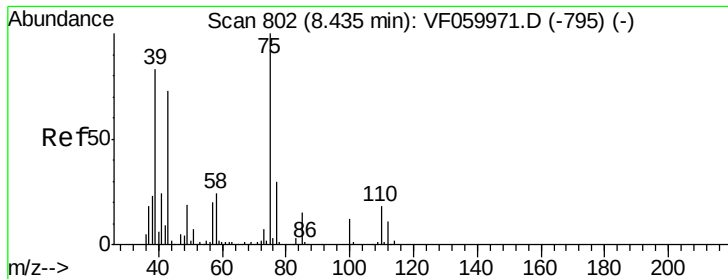
Tgt Ion: 43 Resp: 37682
 Ion Ratio Lower Upper
 43 100
 58 29.9 24.6 37.0



#52
 Toluene
 Concen: 5.994 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 92 Resp: 13848
 Ion Ratio Lower Upper
 92 100
 91 169.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 5.539 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

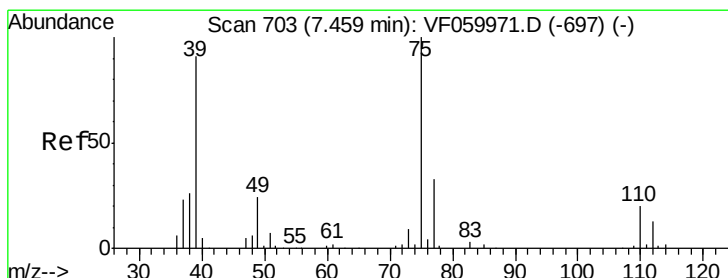
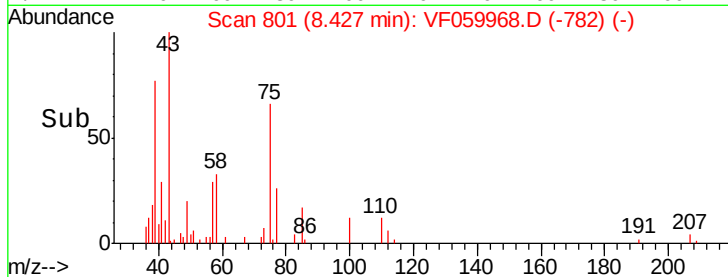
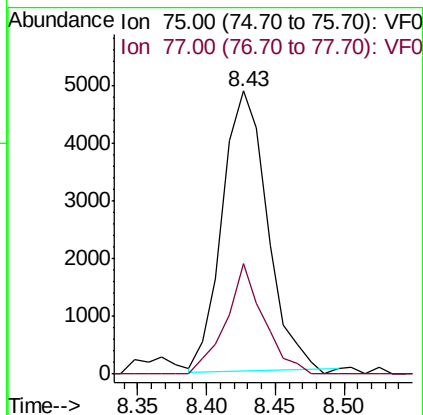
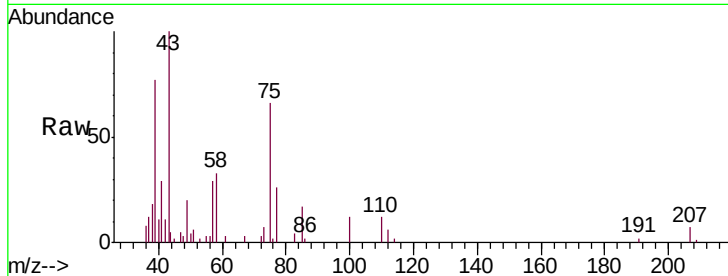
VSTDIC005

Tgt Ion: 75 Resp: 10948

Ion Ratio Lower Upper

75 100

77 39.1 23.5 35.3#



#54

cis-1,3-Dichloropropene

Concen: 5.406 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

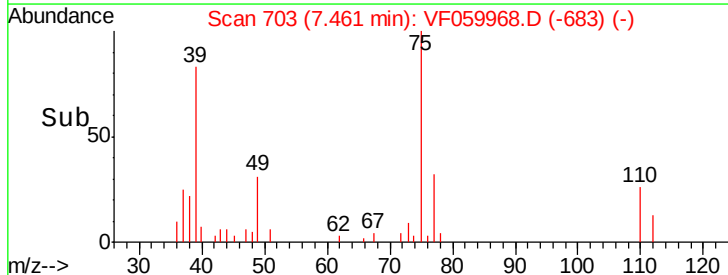
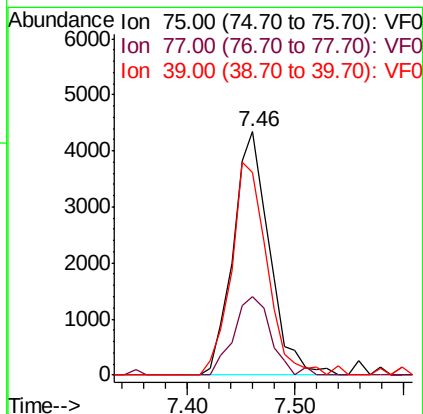
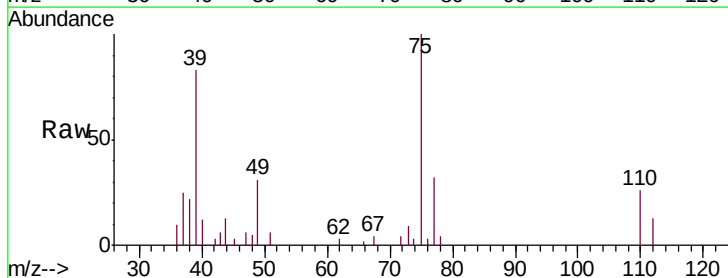
Tgt Ion: 75 Resp: 10111

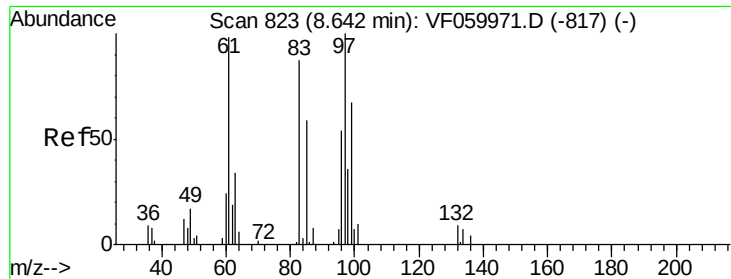
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

39 83.3 73.2 109.8

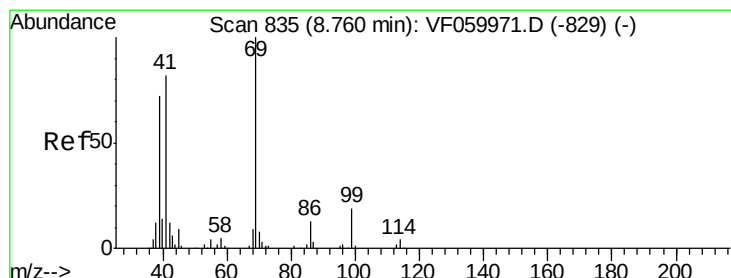
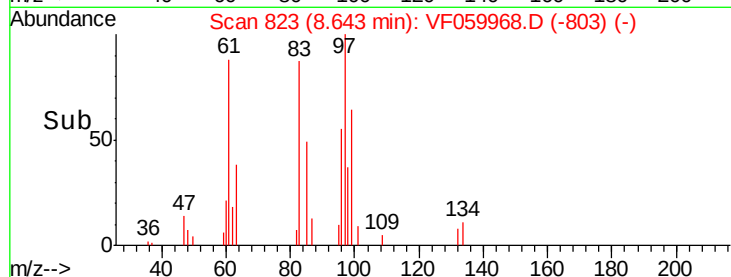
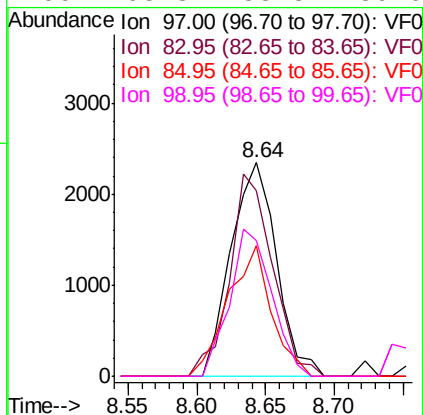
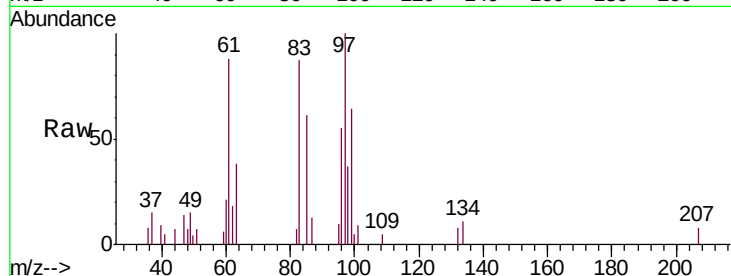




#55
 1,1,2-Trichloroethane
 Concen: 6.471 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

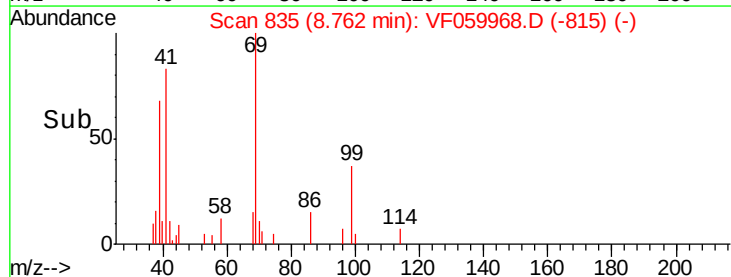
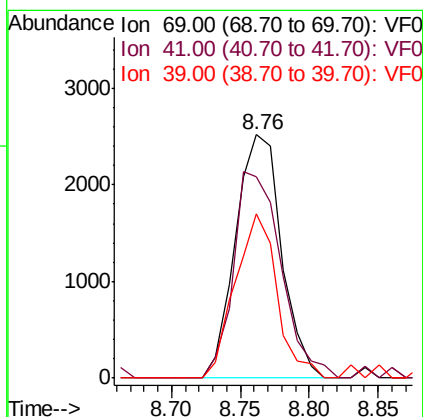
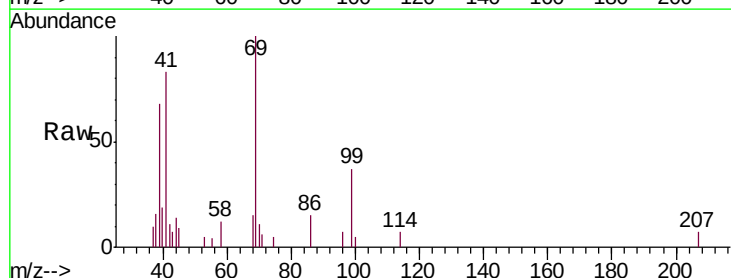
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

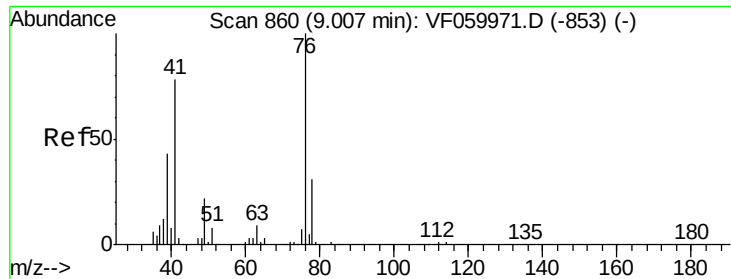
Tgt Ion:	97	Resp:	5409
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.7	104.5
85	60.9	47.4	71.2
99	63.8	53.8	80.6



#56
 Ethyl methacrylate
 Concen: 6.257 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion:	69	Resp:	5848
Ion	Ratio	Lower	Upper
69	100		
41	82.6	65.6	98.4
39	67.6	58.1	87.1

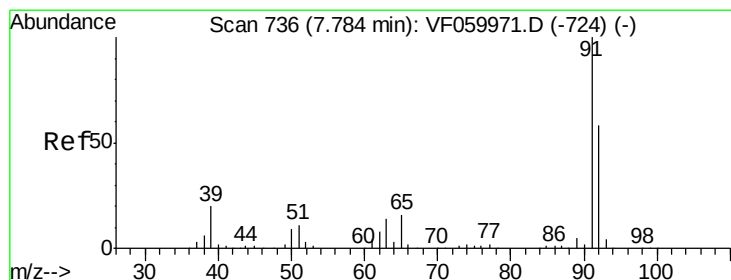
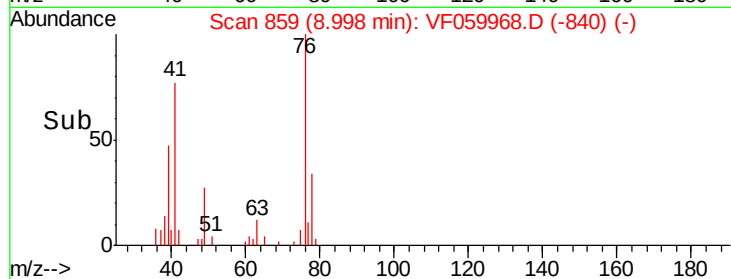
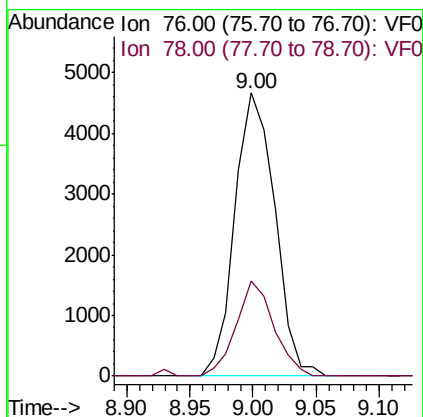
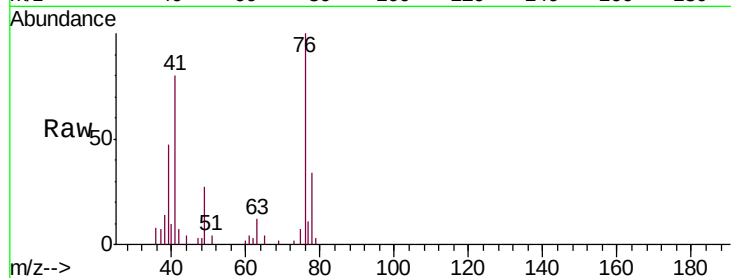




#57
 1,3-Dichloropropane
 Concen: 6.710 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

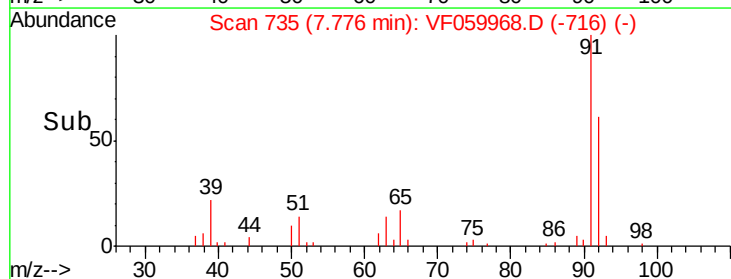
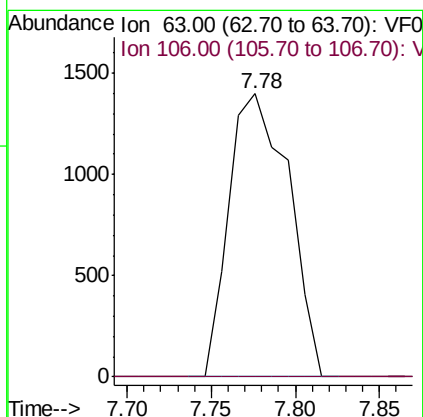
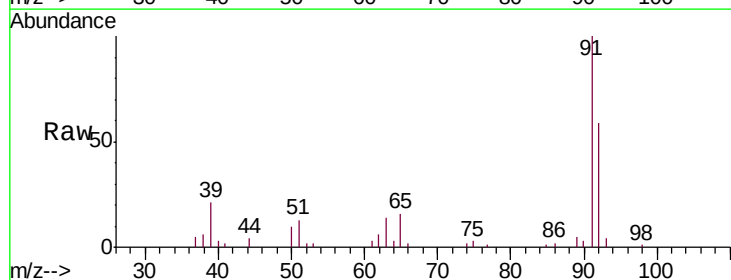
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

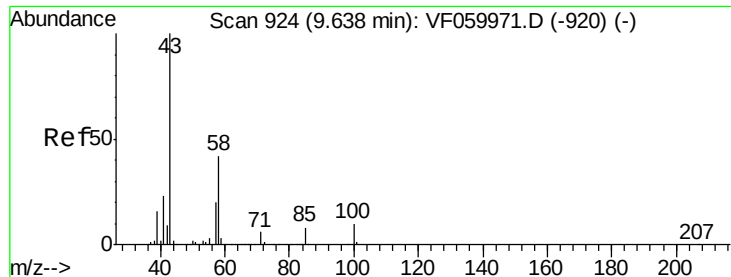
Tgt Ion: 76 Resp: 10274
 Ion Ratio Lower Upper
 76 100
 78 33.6 24.7 37.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 30.229 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 63 Resp: 3443
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

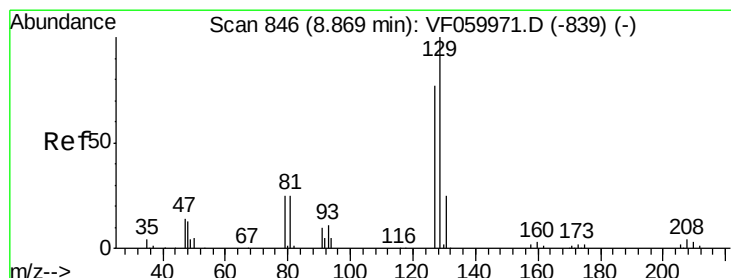
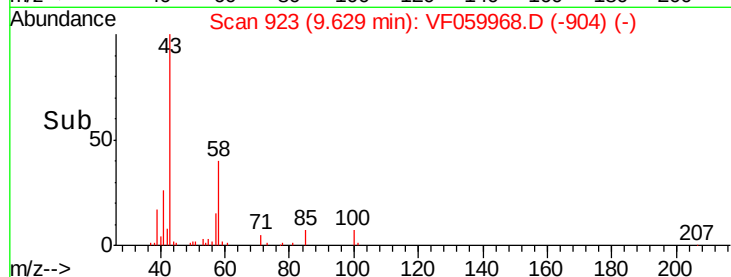
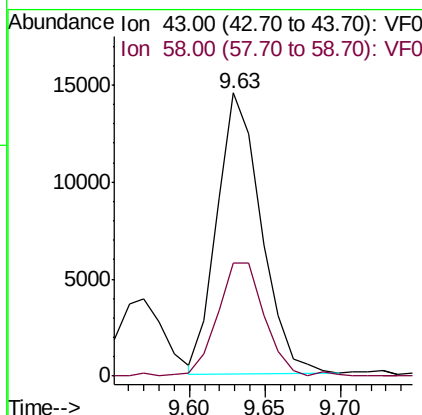
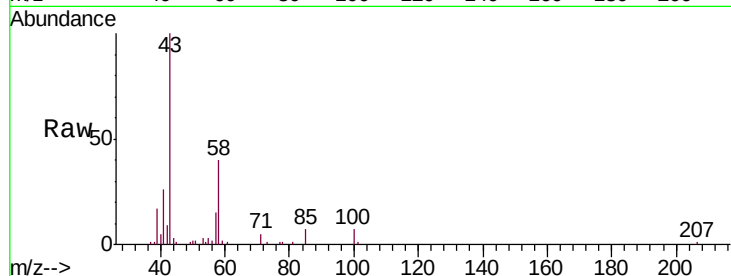




#59
2-Hexanone
Concen: 42.281 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

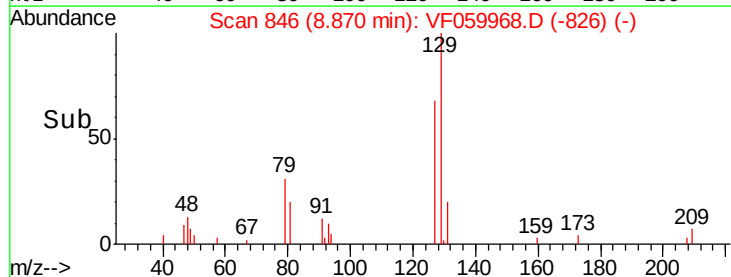
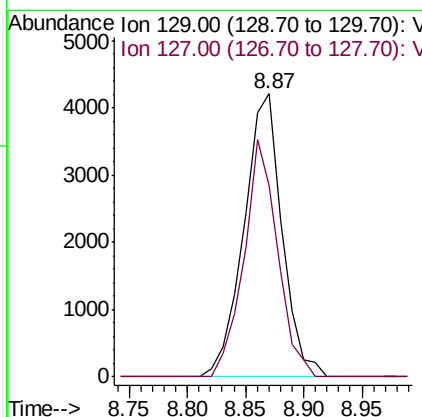
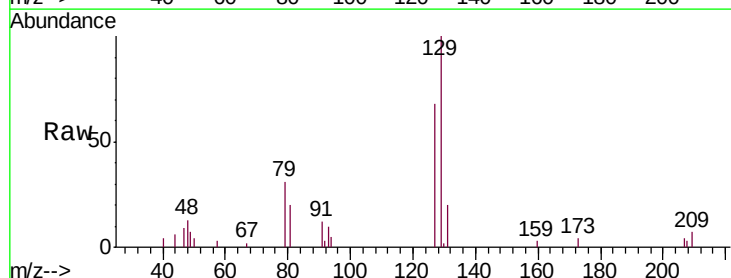
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

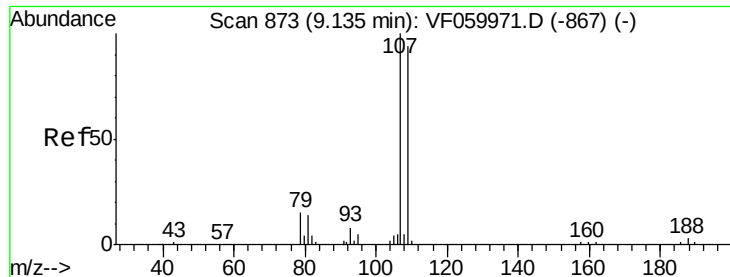
Tgt Ion: 43 Resp: 29547
Ion Ratio Lower Upper
43 100
58 39.8 19.8 59.3



#60
Dibromochloromethane
Concen: 5.895 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 129 Resp: 9565
Ion Ratio Lower Upper
129 100
127 67.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 6.257 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

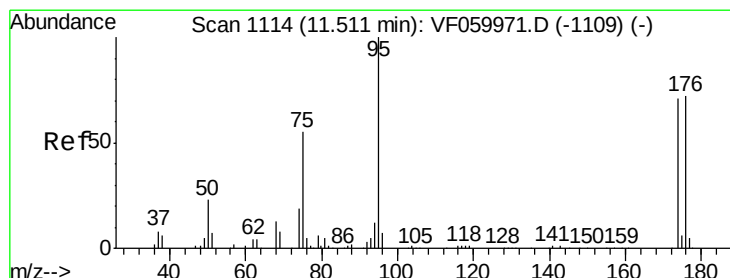
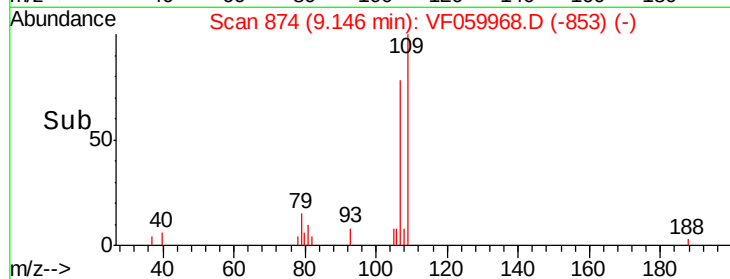
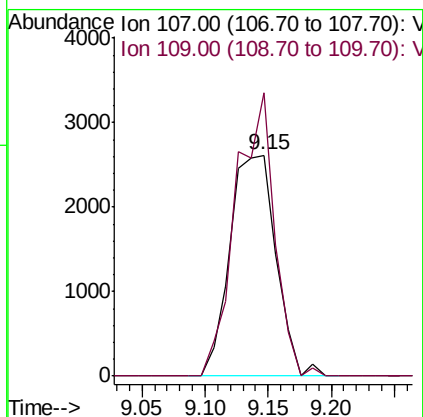
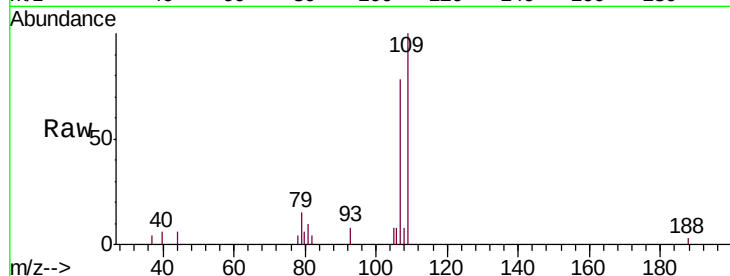
VSTDIC005

Tgt Ion: 107 Resp: 6618

Ion Ratio Lower Upper

107 100

109 128.2 75.4 113.0#



#62

4-Bromofluorobenzene

Concen: 6.530 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

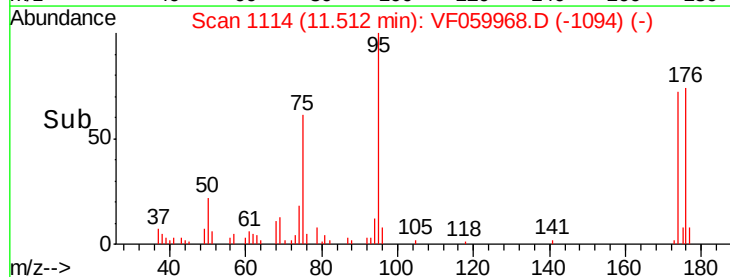
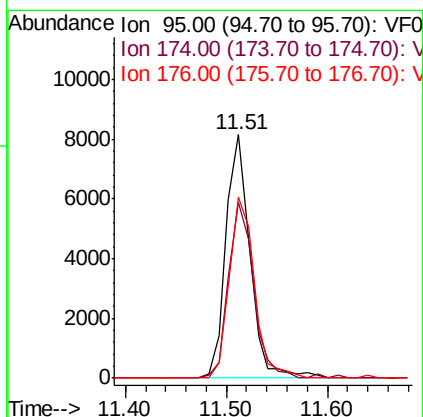
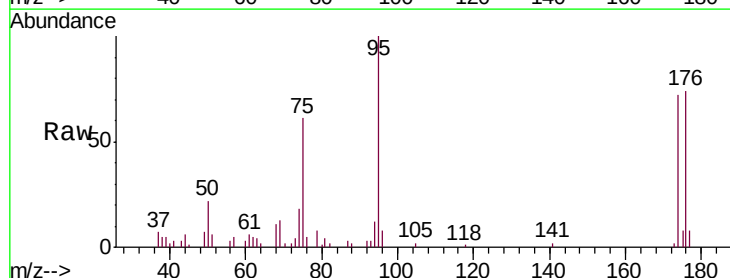
Tgt Ion: 95 Resp: 13552

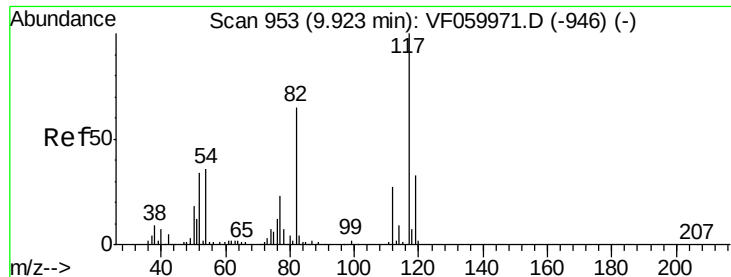
Ion Ratio Lower Upper

95 100

174 72.2 0.0 142.8

176 74.2 0.0 143.4

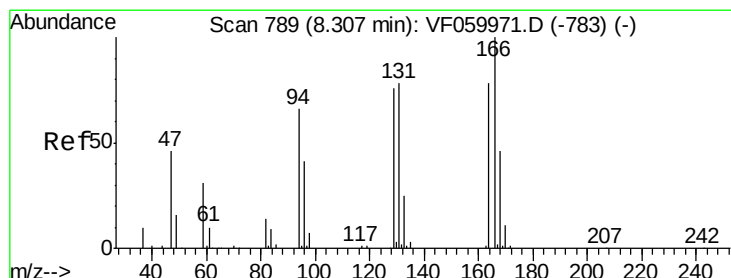
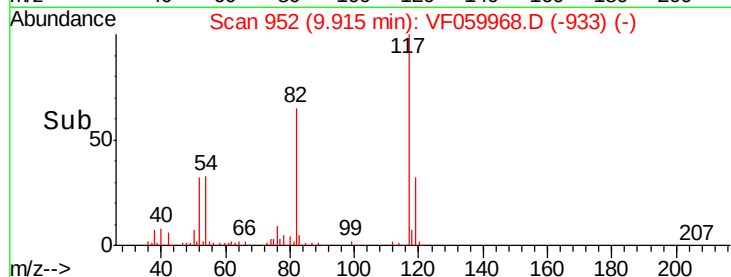
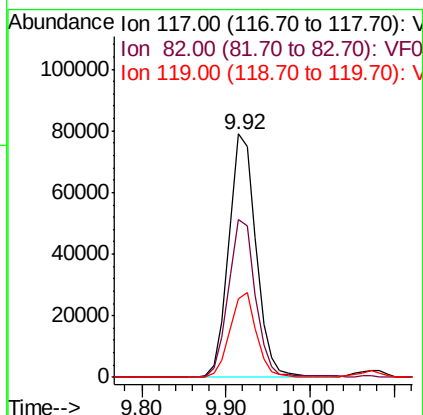
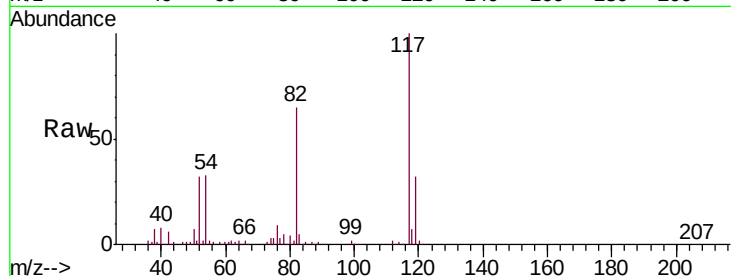




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

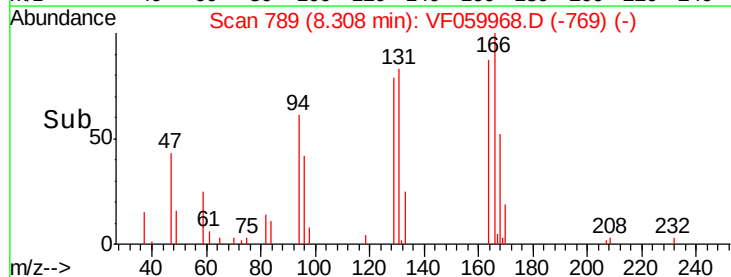
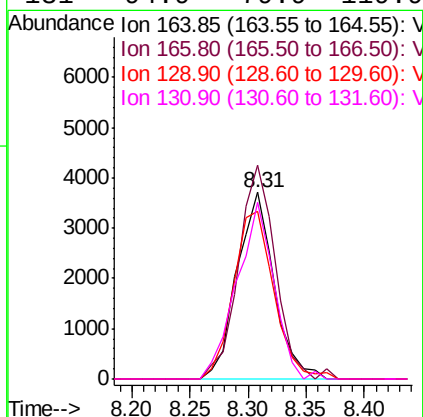
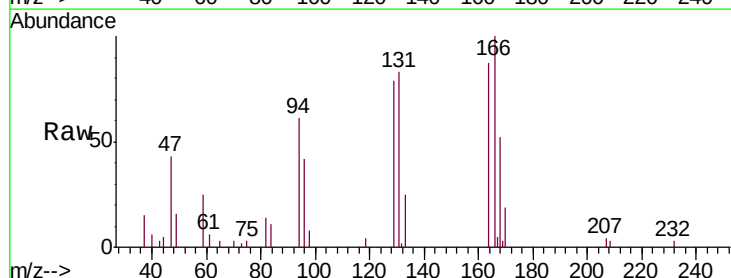
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

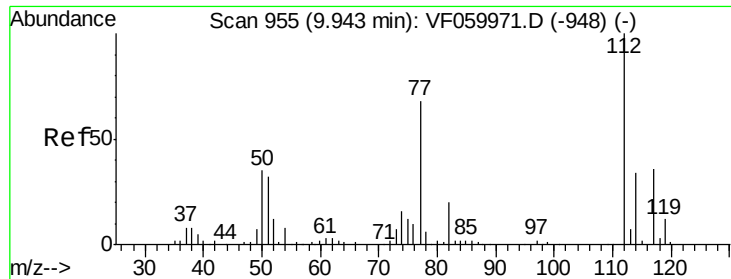
Tgt Ion:117 Resp: 179264
Ion Ratio Lower Upper
117 100
82 65.0 52.0 78.0
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 5.909 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion:164 Resp: 8227
Ion Ratio Lower Upper
164 100
166 114.6 102.2 153.2
129 90.1 77.8 116.6
131 94.9 79.9 119.9

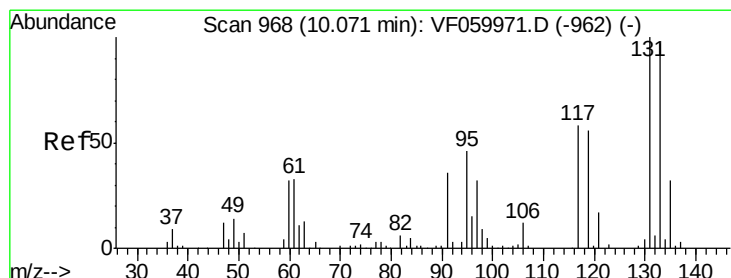
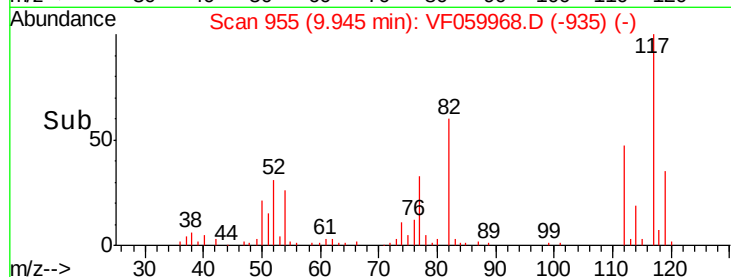
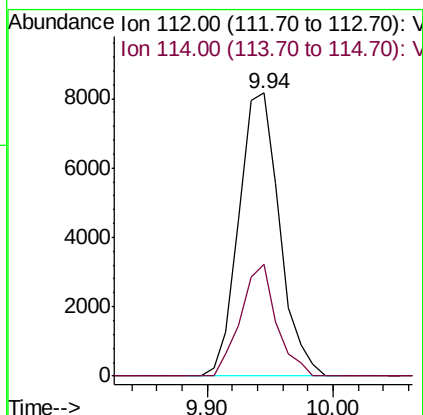
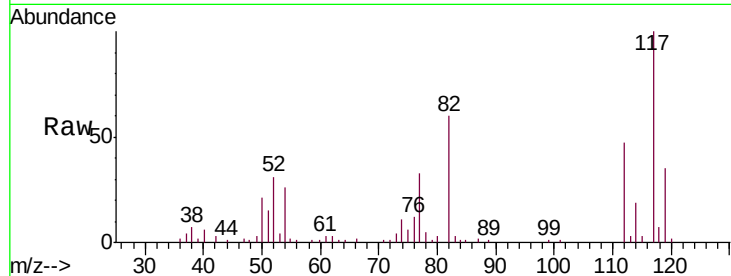




#65
Chlorobenzene
Concen: 5.270 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

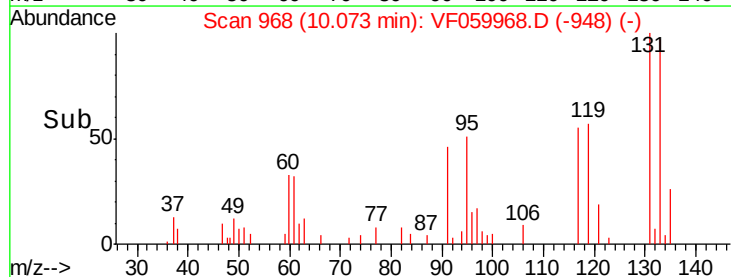
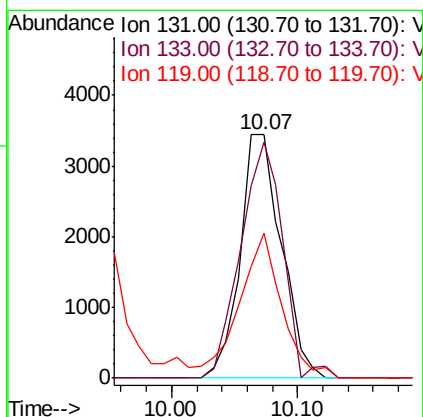
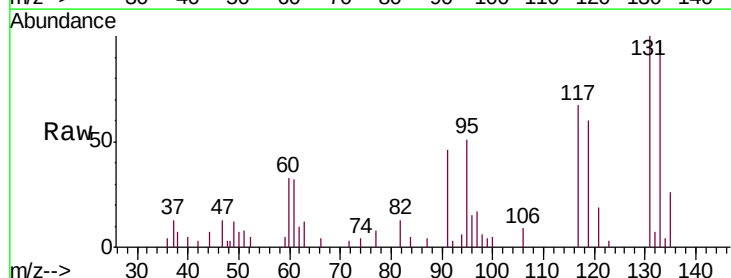
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

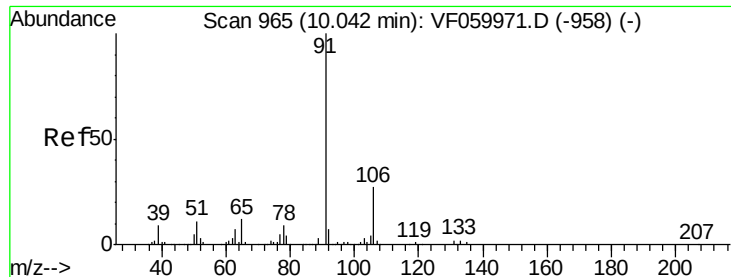
Tgt Ion:112 Resp: 18229
Ion Ratio Lower Upper
112 100
114 39.6 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.687 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion:131 Resp: 7821
Ion Ratio Lower Upper
131 100
133 96.7 48.5 145.6
119 59.7 28.4 85.2

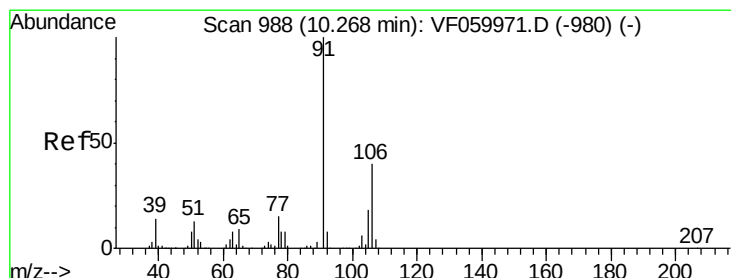
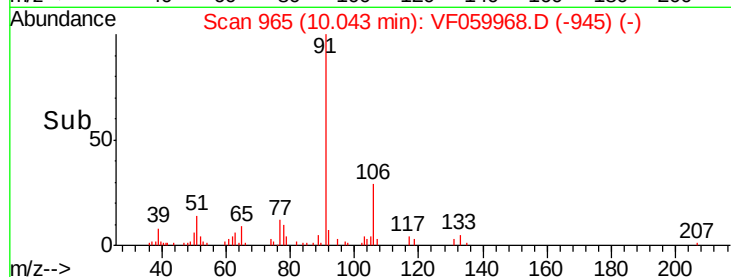
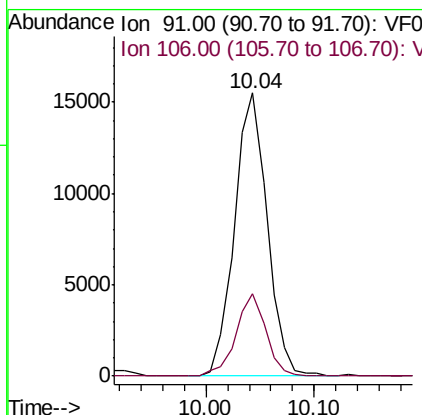
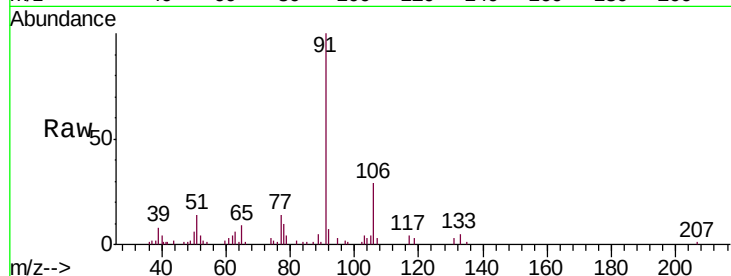




#67
 Ethyl Benzene
 Concen: 5.318 ug/l
 RT: 10.04 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

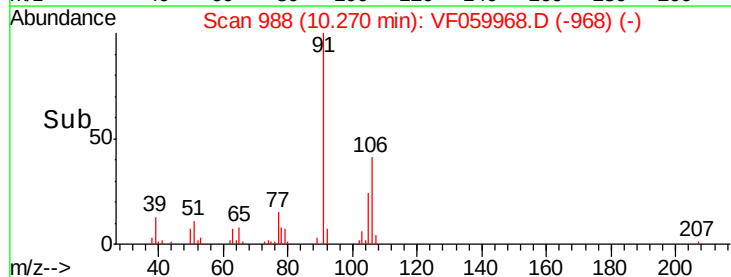
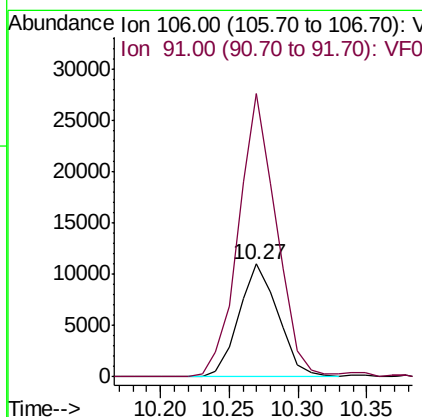
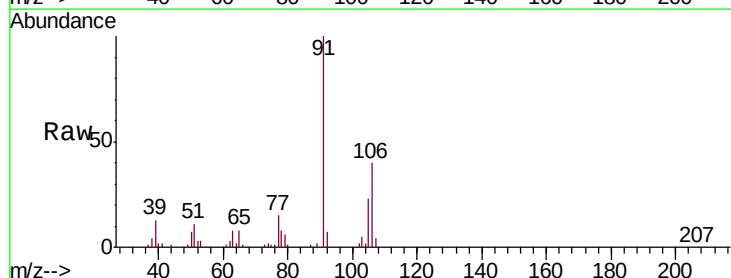
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

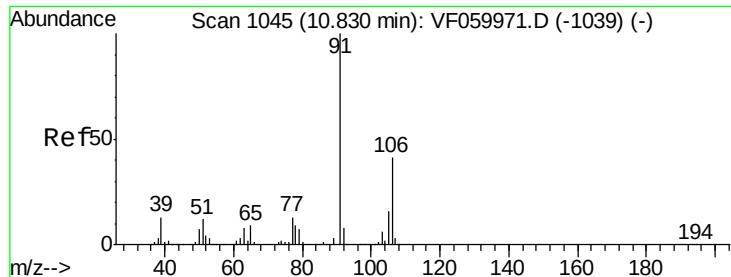
Tgt Ion: 91 Resp: 32585
 Ion Ratio Lower Upper
 91 100
 106 29.2 21.8 32.8



#68
 m/p-Xylenes
 Concen: 10.588 ug/l
 RT: 10.27 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion: 106 Resp: 21859
 Ion Ratio Lower Upper
 106 100
 91 251.4 198.0 297.0

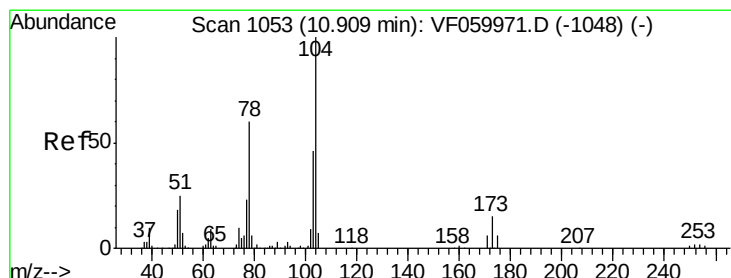
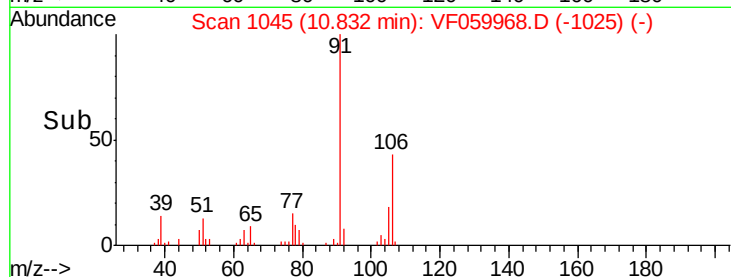
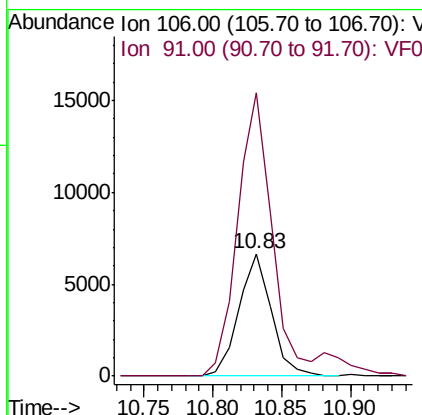
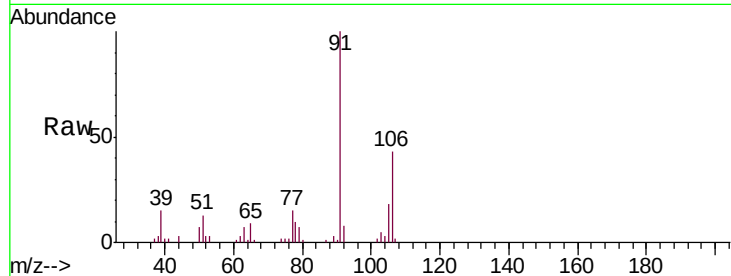




#69
o-Xylene
Concen: 4.906 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

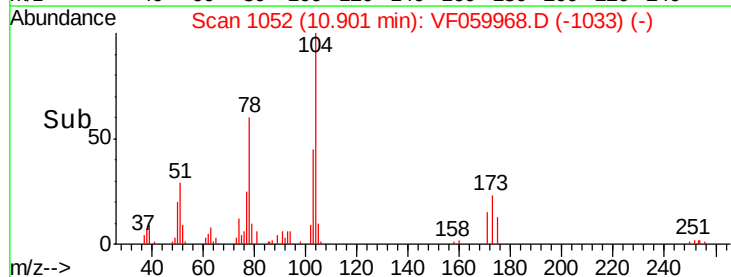
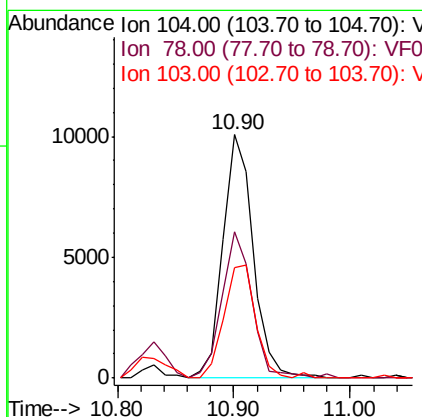
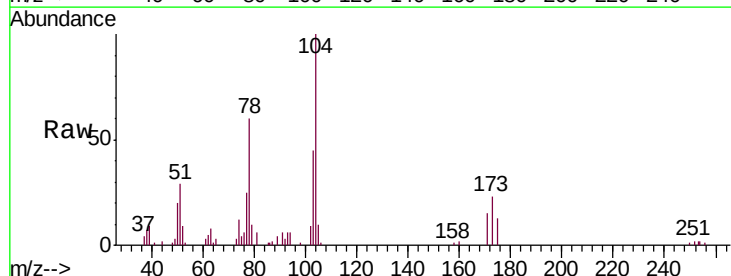
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

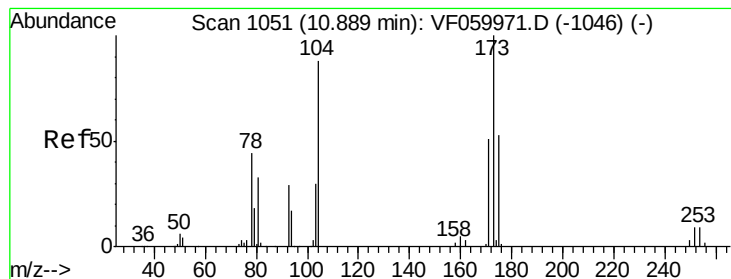
Tgt Ion:106 Resp: 10980
Ion Ratio Lower Upper
106 100
91 231.2 121.9 365.7



#70
Styrene
Concen: 5.423 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion:104 Resp: 18210
Ion Ratio Lower Upper
104 100
78 60.3 49.0 73.4
103 45.4 37.5 56.3





#71

Bromoform

Concen: 6.105 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

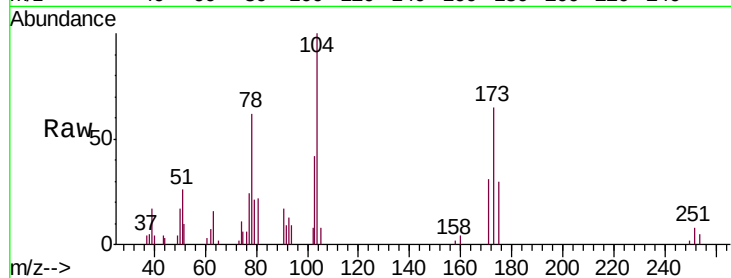
Tgt Ion:173 Resp: 6724

Ion Ratio Lower Upper

173 100

175 45.2 26.3 78.8

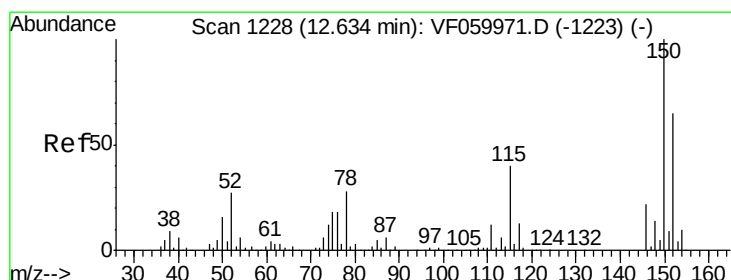
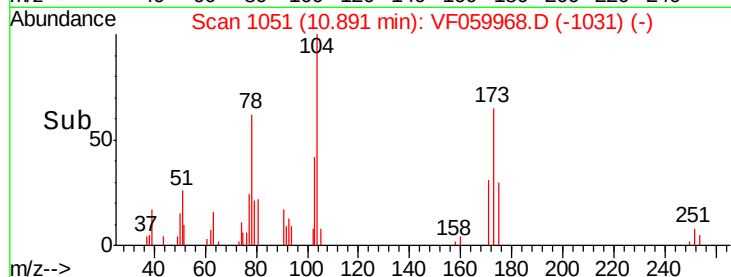
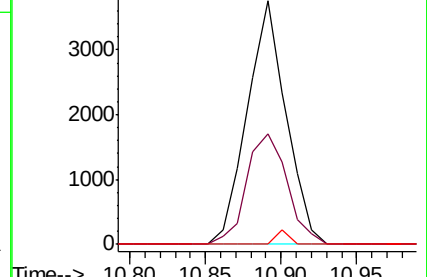
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

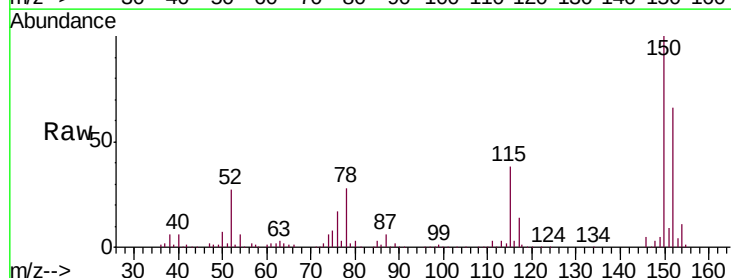
Tgt Ion:152 Resp: 127379

Ion Ratio Lower Upper

152 100

115 58.0 30.6 92.0

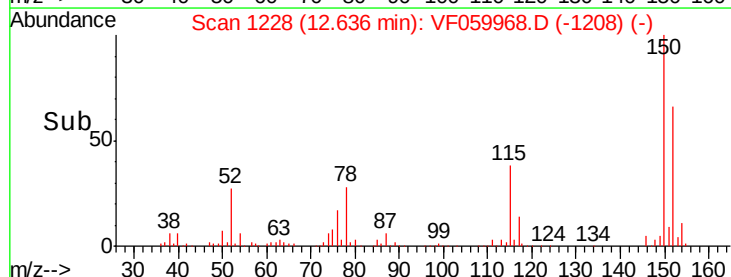
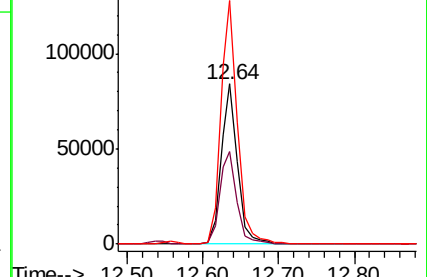
150 152.2 0.0 308.2

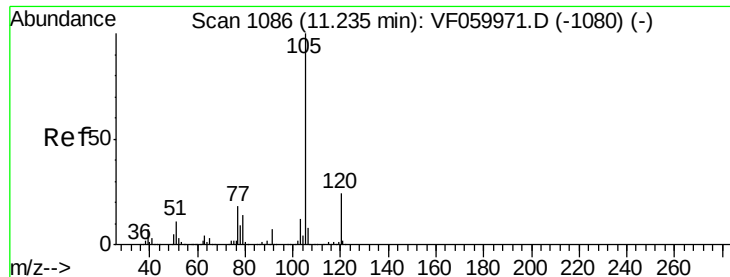


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.567 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

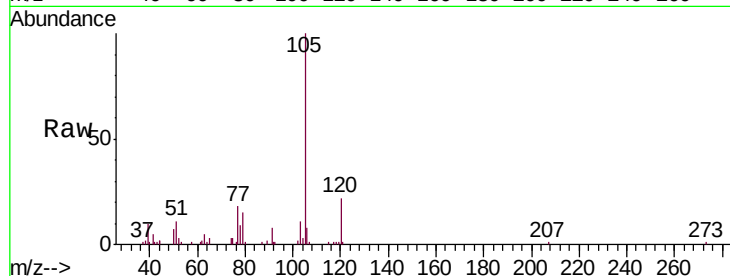
VSTDIC005

Tgt Ion: 105 Resp: 35967

Ion Ratio Lower Upper

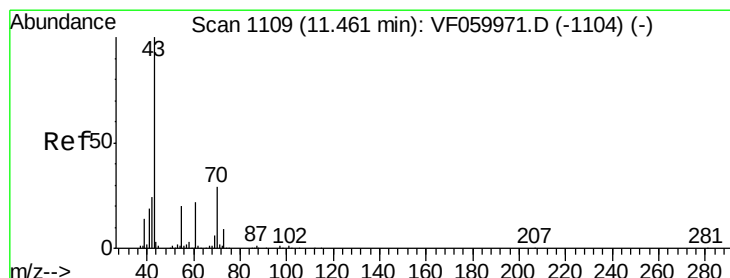
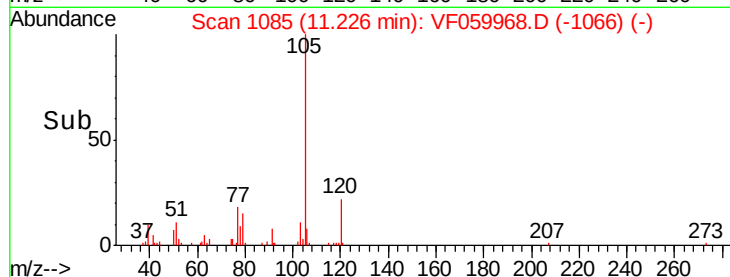
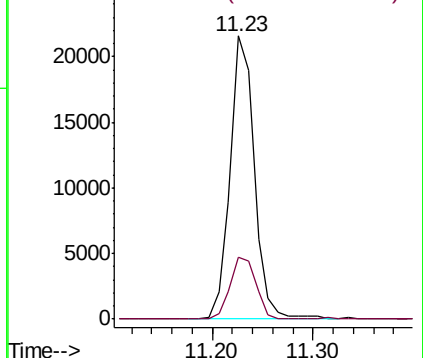
105 100

120 21.7 11.9 35.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.927 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Tgt Ion: 43 Resp: 11314

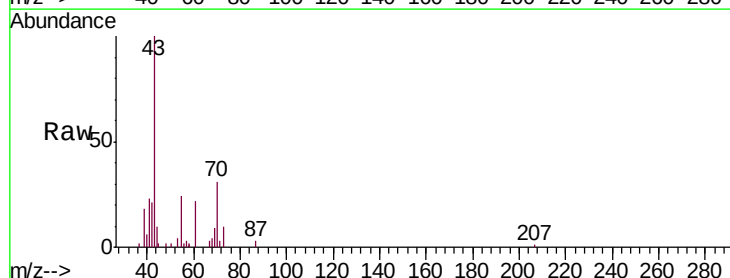
Ion Ratio Lower Upper

43 100

70 30.9 23.2 34.8

55 23.7 15.8 23.8

61 22.2 17.6 26.4

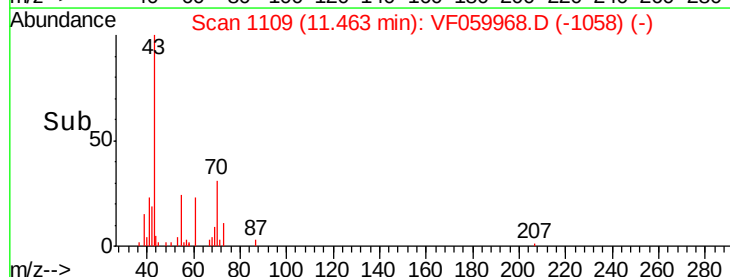
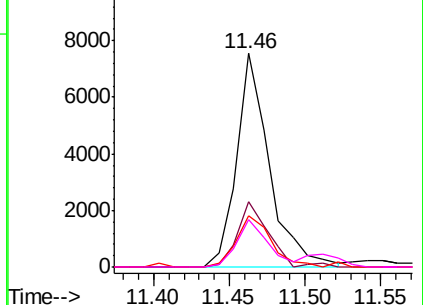


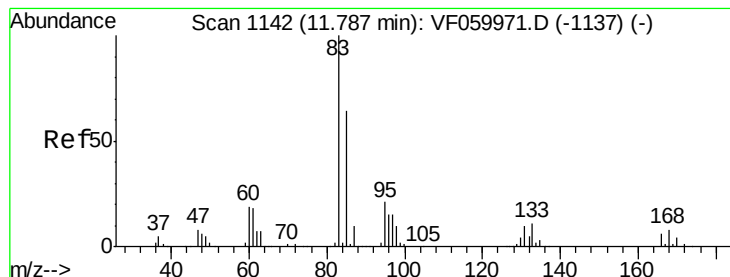
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.485 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

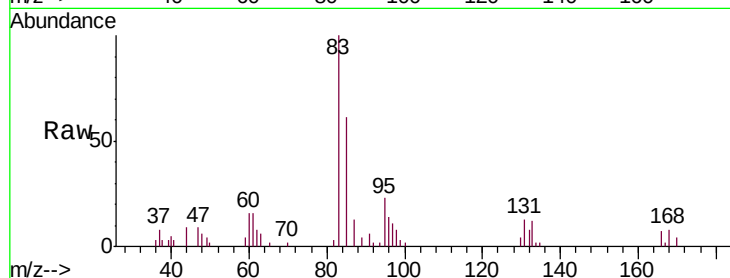
Tgt Ion: 83 Resp: 9248

Ion Ratio Lower Upper

83 100

131 13.3 5.1 15.4

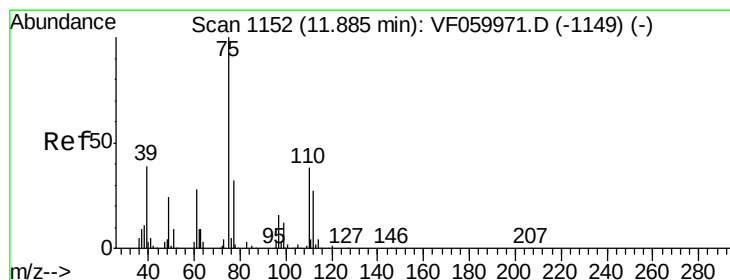
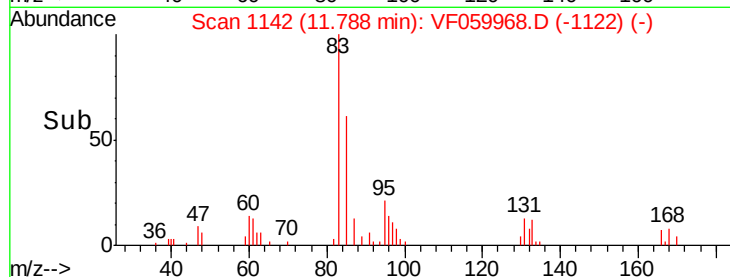
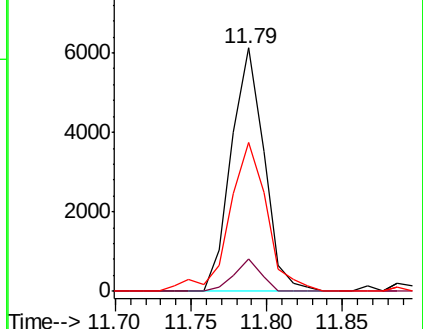
85 61.3 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 6.654 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059968.D

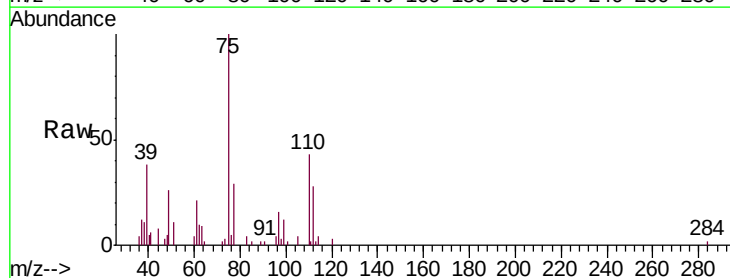
Acq: 16 Aug 2018 18:46

Tgt Ion: 75 Resp: 8228

Ion Ratio Lower Upper

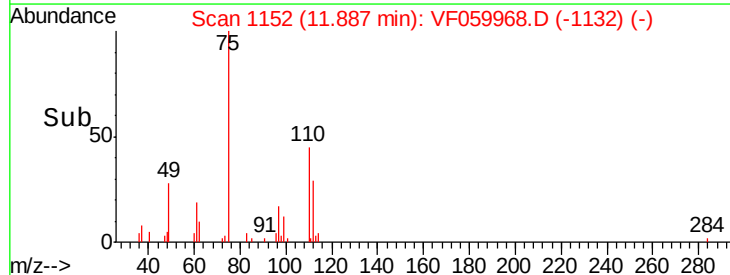
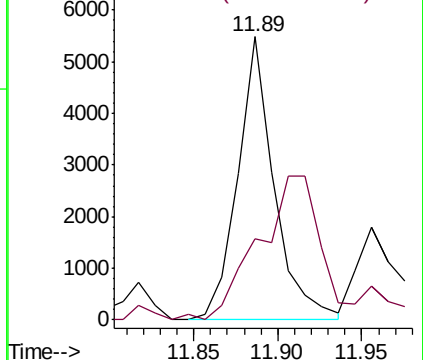
75 100

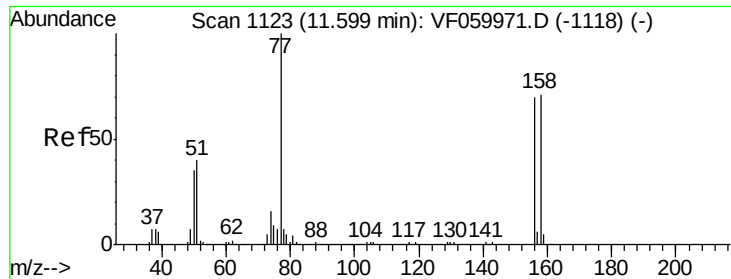
77 28.6 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

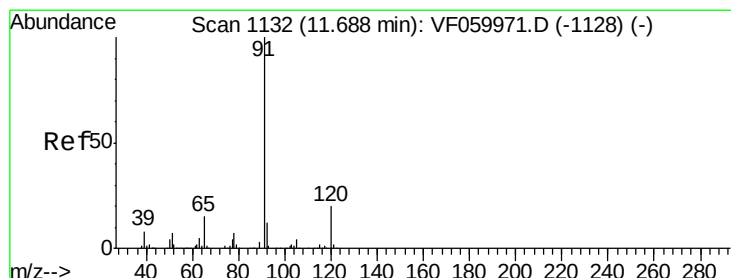
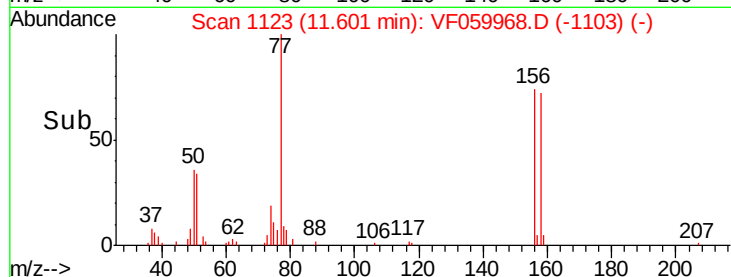
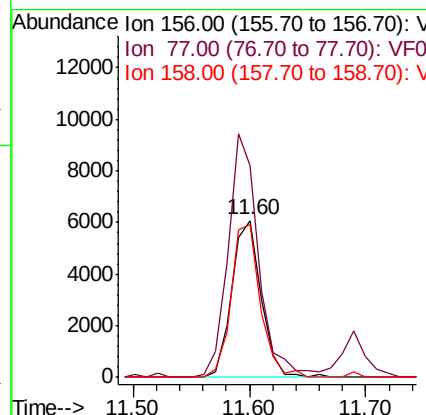
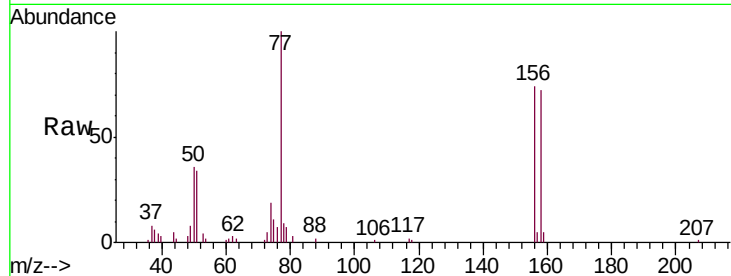




#77
Bromobenzene
Concen: 5.043 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

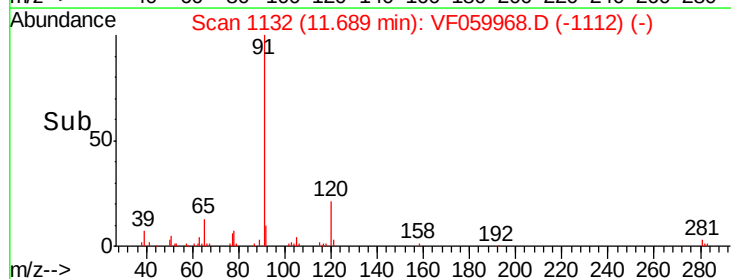
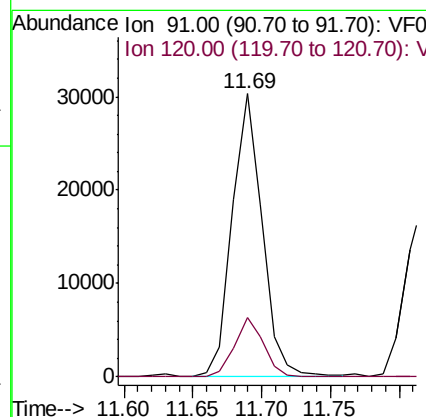
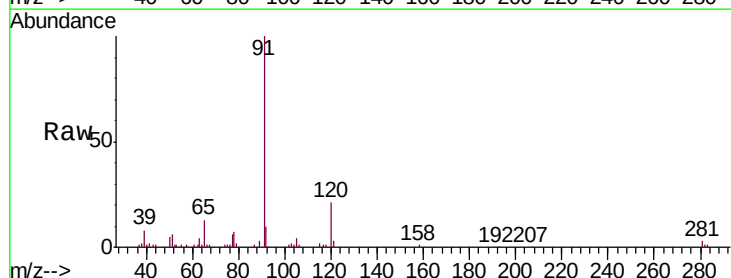
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

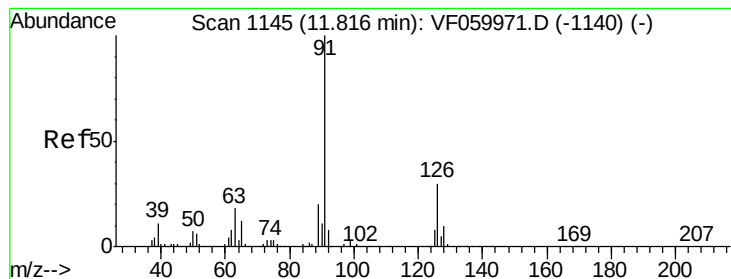
Tgt Ion: 156 Resp: 10608
Ion Ratio Lower Upper
156 100
77 135.4 71.9 215.6
158 97.9 51.2 153.6



#78
n-propylbenzene
Concen: 4.979 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion: 91 Resp: 46225
Ion Ratio Lower Upper
91 100
120 21.0 10.2 30.6





#79

2-Chlorotoluene

Concen: 4.899 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

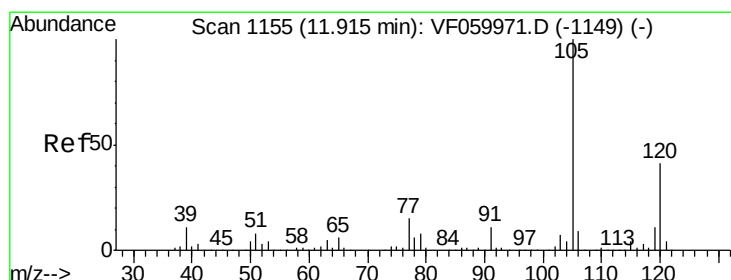
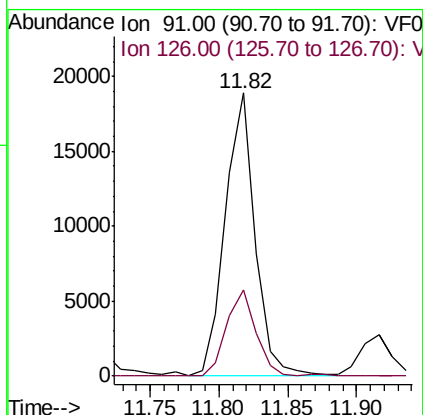
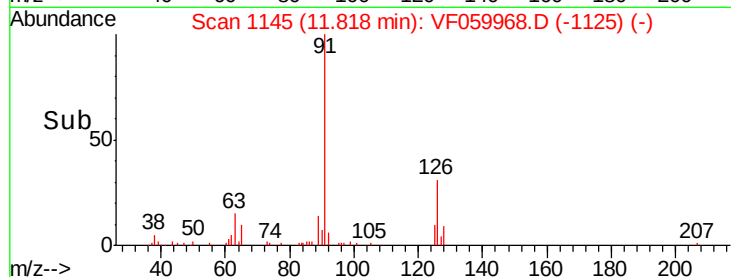
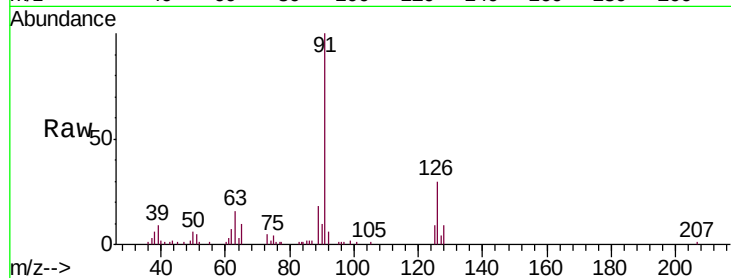
VSTDIC005

Tgt Ion: 91 Resp: 28582

Ion Ratio Lower Upper

91 100

126 30.4 14.9 44.9



#80

1,3,5-Trimethylbenzene

Concen: 4.830 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059968.D

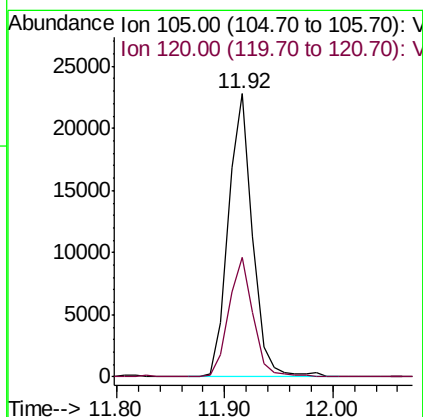
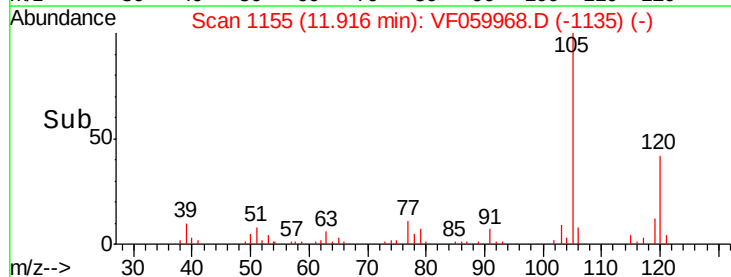
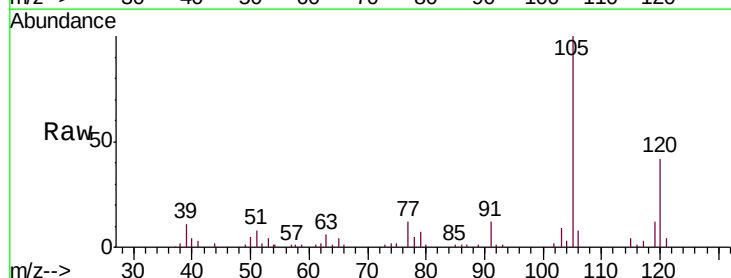
Acq: 16 Aug 2018 18:46

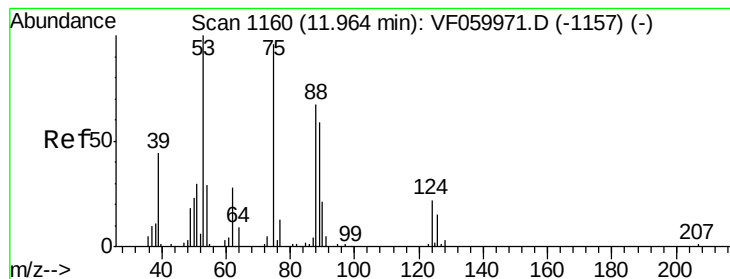
Tgt Ion: 105 Resp: 35457

Ion Ratio Lower Upper

105 100

120 42.2 20.6 61.8





#81

trans-1,4-Dichloro-2-butene

Concen: 7.061 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

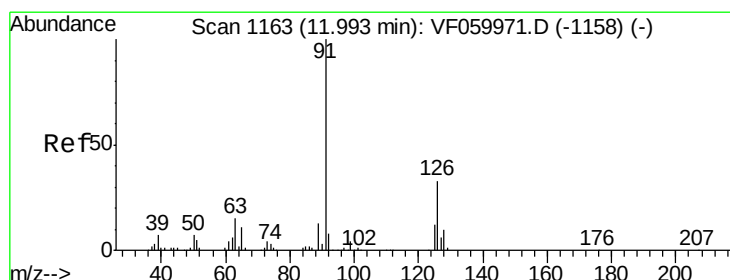
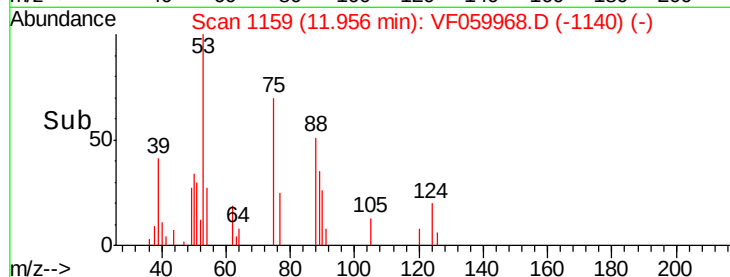
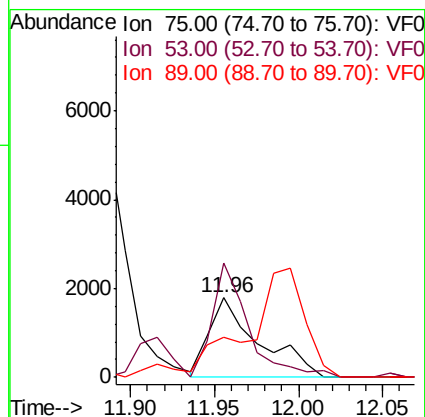
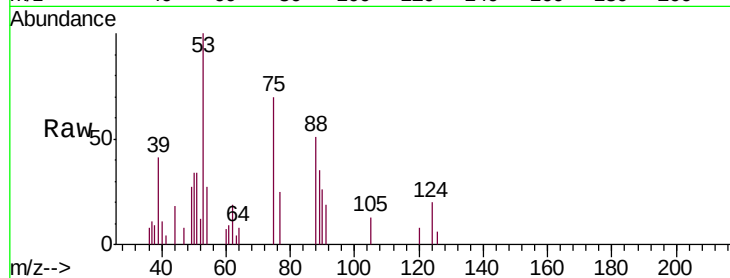
Tgt Ion: 75 Resp: 3652

Ion Ratio Lower Upper

75 100

53 142.9 85.1 127.7#

89 50.0 50.2 75.4#



#82

4-Chlorotoluene

Concen: 4.980 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059968.D

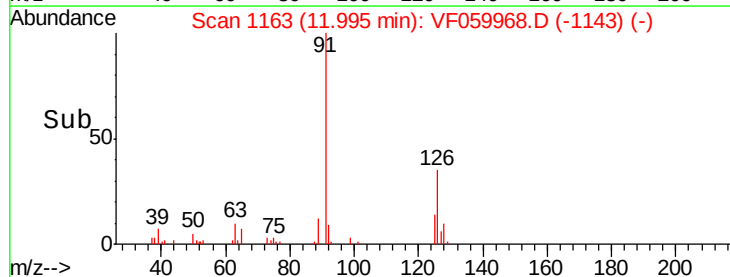
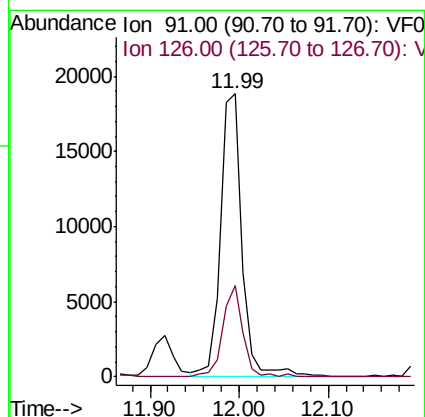
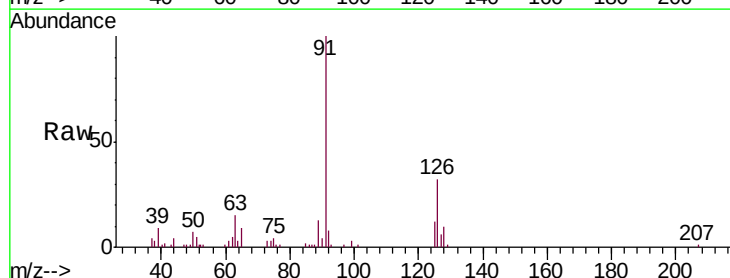
Acq: 16 Aug 2018 18:46

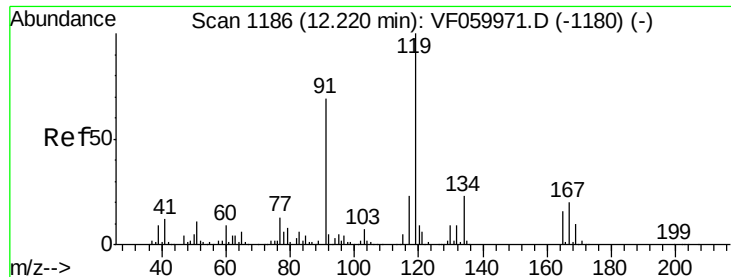
Tgt Ion: 91 Resp: 32159

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.2

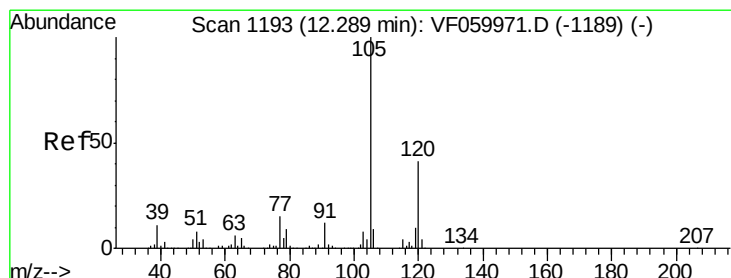
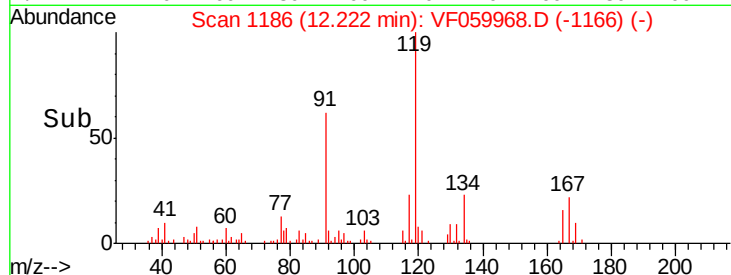
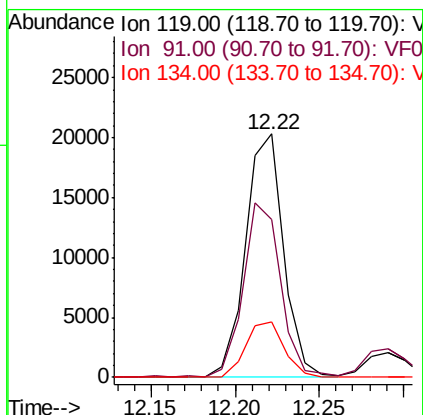
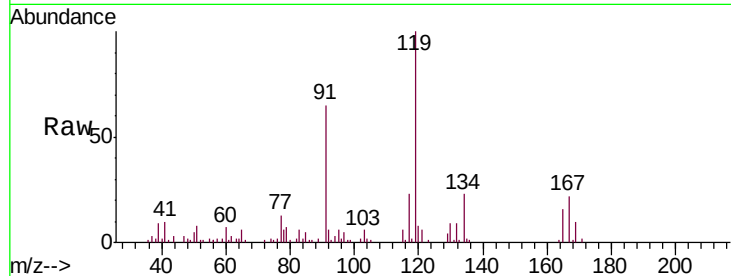




#83
 tert-Butylbenzene
 Concen: 4.437 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

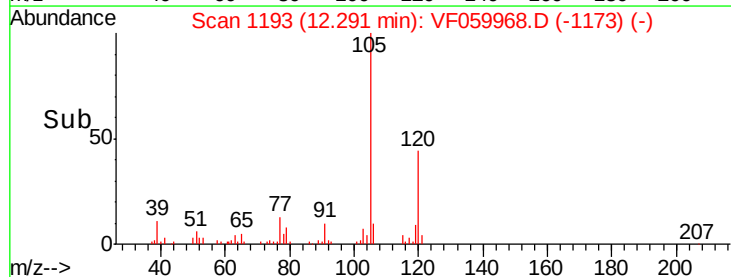
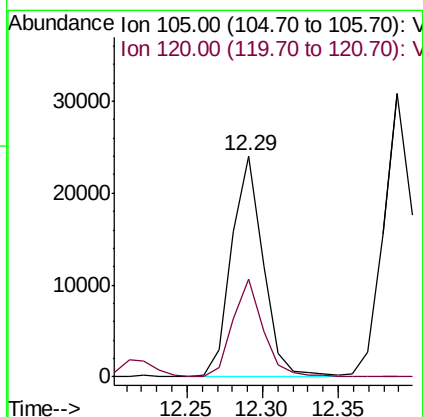
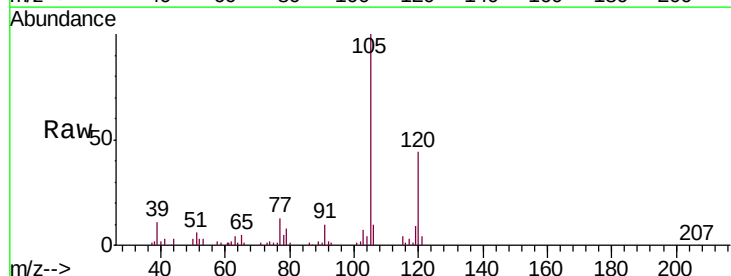
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

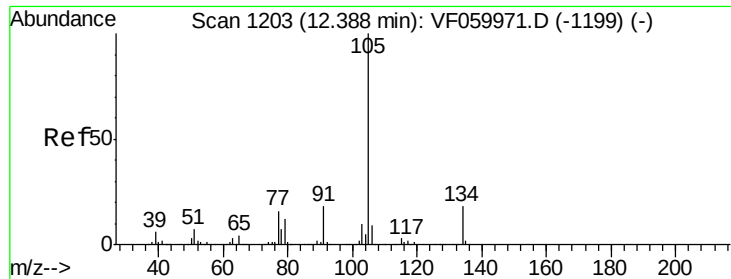
Tgt Ion:119 Resp: 31882
 Ion Ratio Lower Upper
 119 100
 91 64.6 34.8 104.3
 134 22.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 4.747 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion:105 Resp: 35032
 Ion Ratio Lower Upper
 105 100
 120 44.0 20.6 61.8

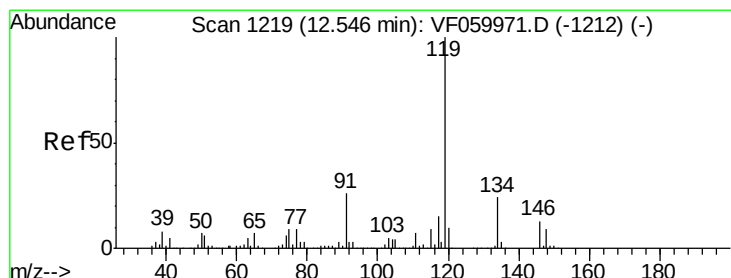
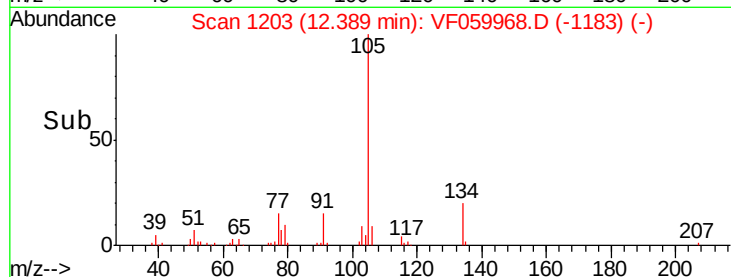
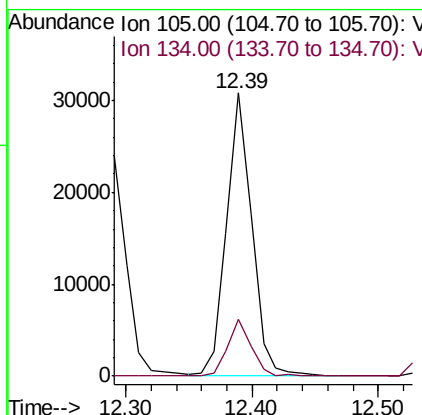
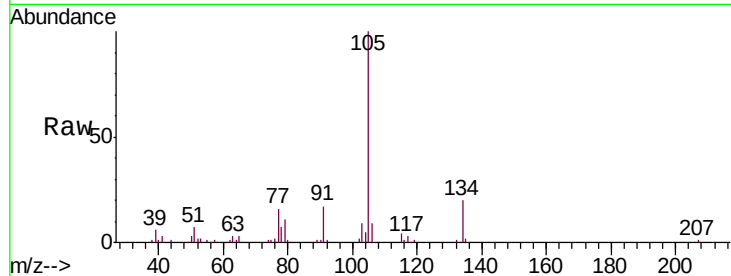




#85
 sec-Butylbenzene
 Concen: 4.679 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

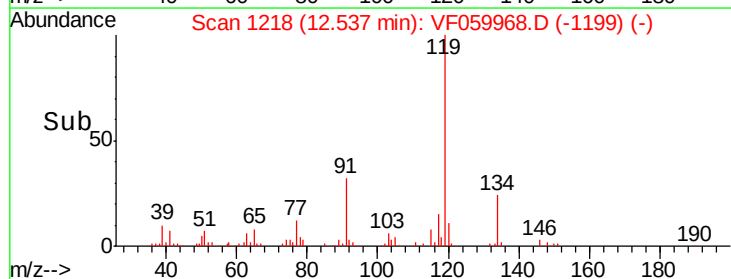
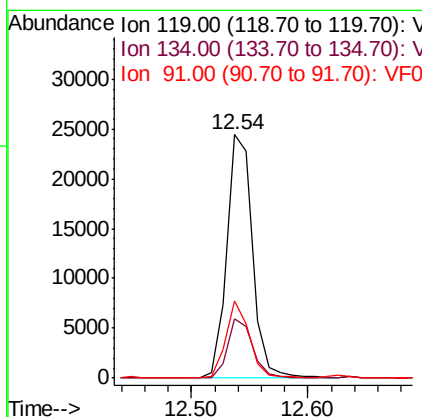
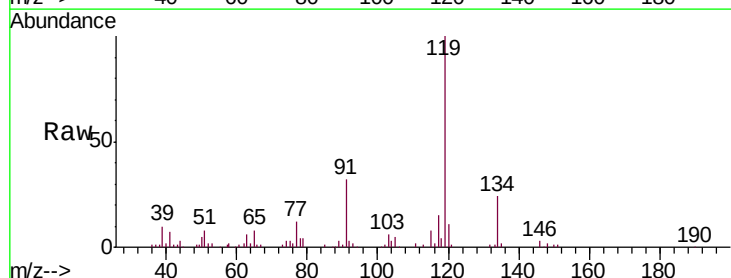
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

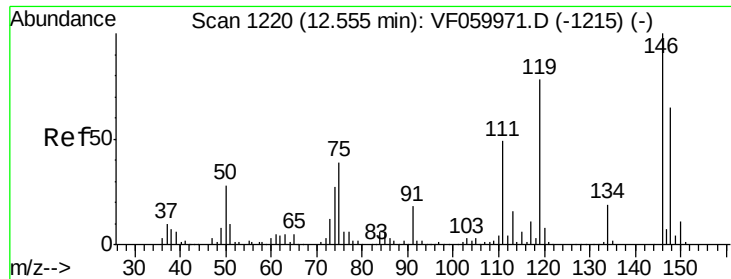
Tgt Ion:105 Resp: 42772
 Ion Ratio Lower Upper
 105 100
 134 20.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 4.624 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion:119 Resp: 37373
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.0 36.1
 91 31.5 13.1 39.1

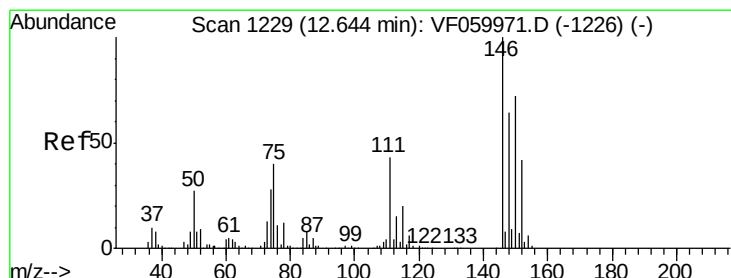
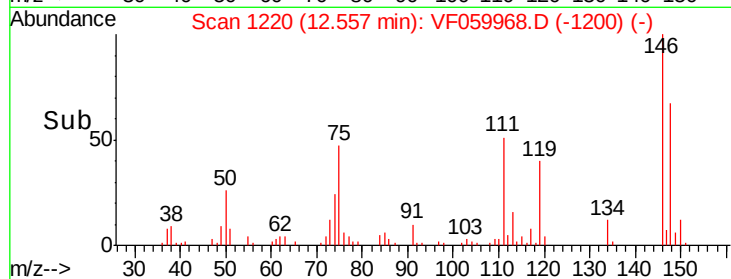
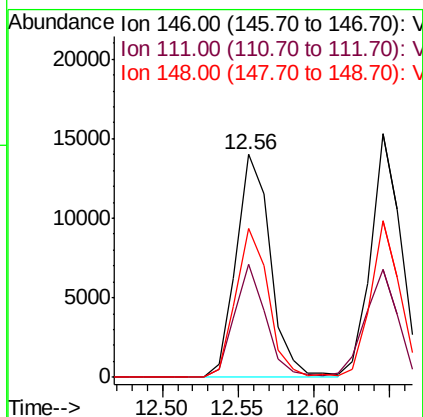
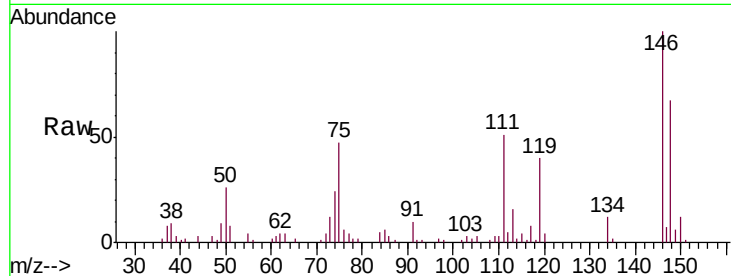




#87
 1,3-Dichlorobenzene
 Concen: 5.578 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

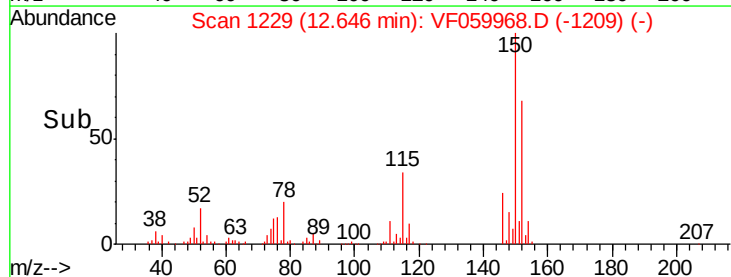
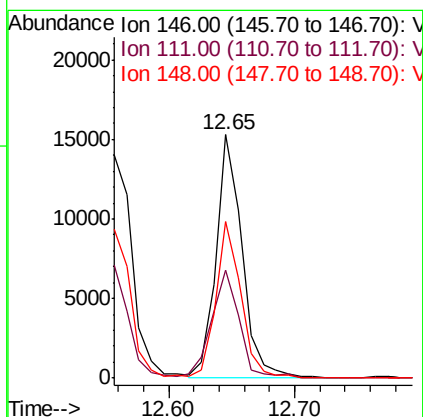
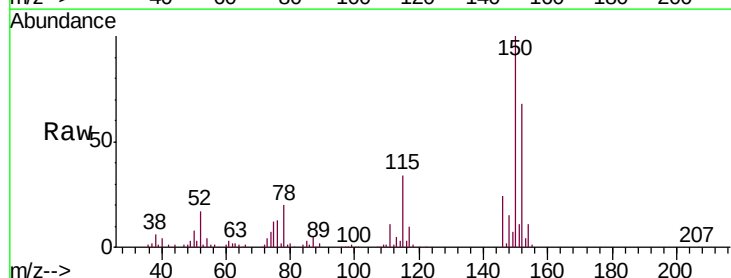
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

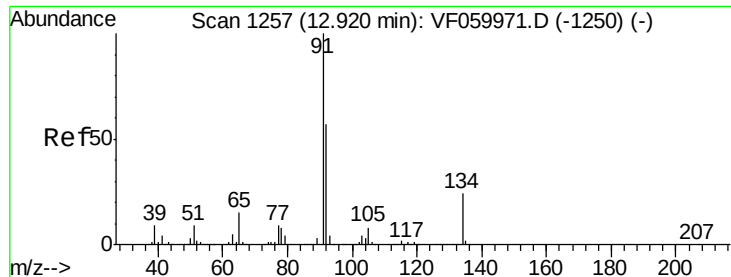
Tgt Ion:146 Resp: 22132
 Ion Ratio Lower Upper
 146 100
 111 50.5 24.4 73.2
 148 67.0 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 5.654 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion:146 Resp: 22027
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.4 64.2
 148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 4.622 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

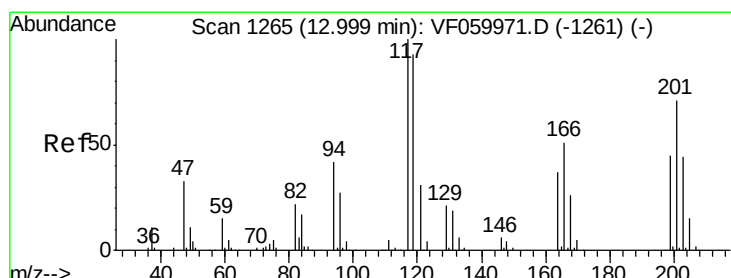
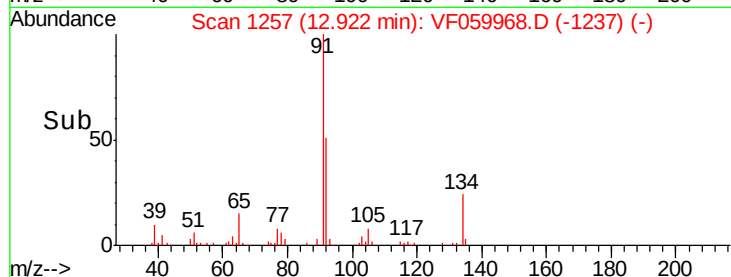
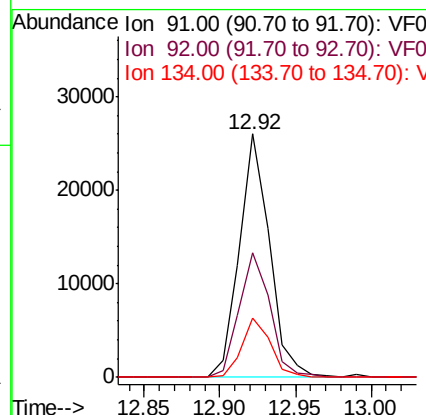
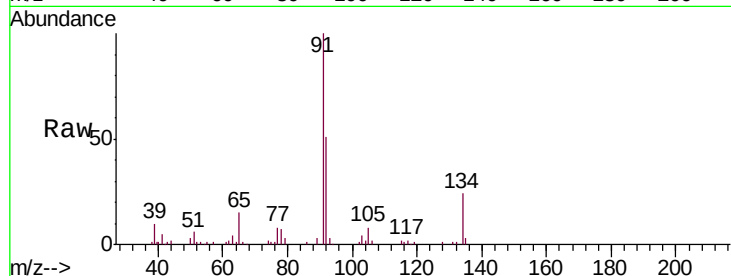
Tgt Ion: 91 Resp: 36148

Ion Ratio Lower Upper

91 100

92 51.4 28.3 85.0

134 24.4 11.9 35.7



#90

Hexachloroethane

Concen: 4.217 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059968.D

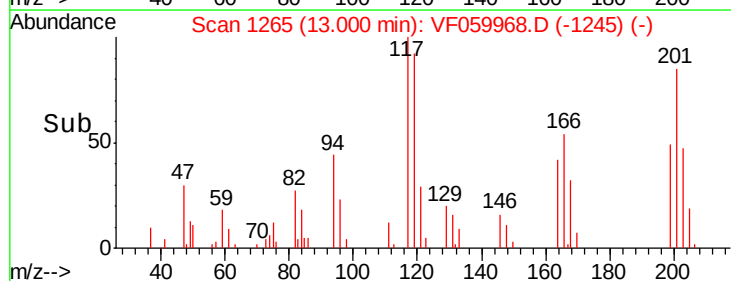
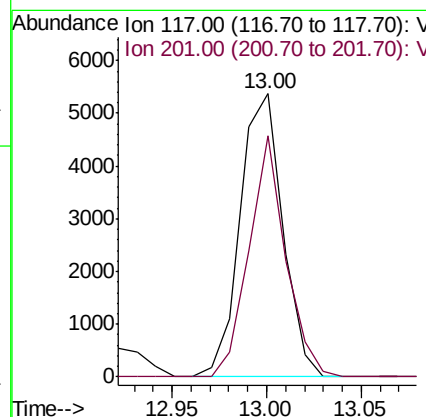
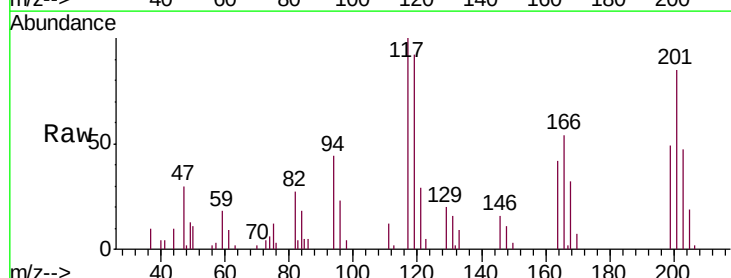
Acq: 16 Aug 2018 18:46

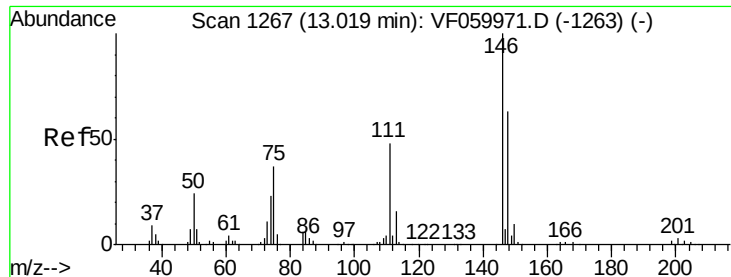
Tgt Ion: 117 Resp: 8361

Ion Ratio Lower Upper

117 100

201 85.3 35.3 105.7

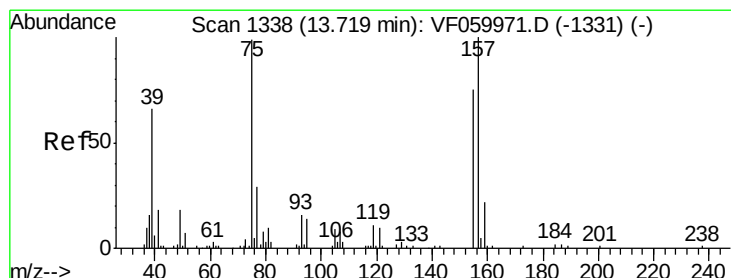
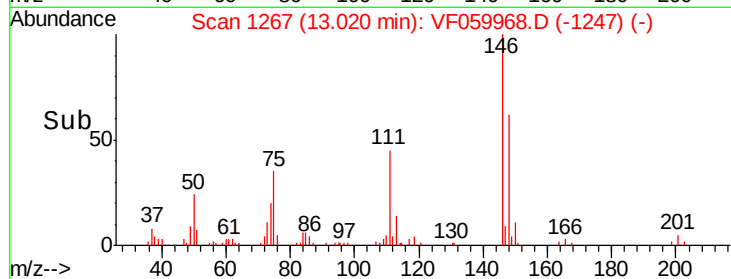
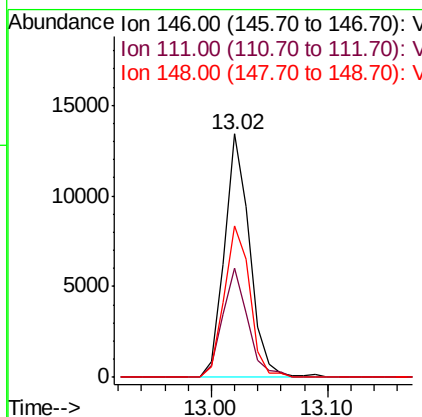
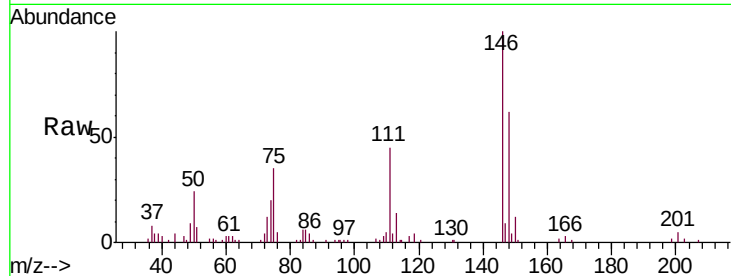




#91
 1,2-Dichlorobenzene
 Concen: 5.167 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

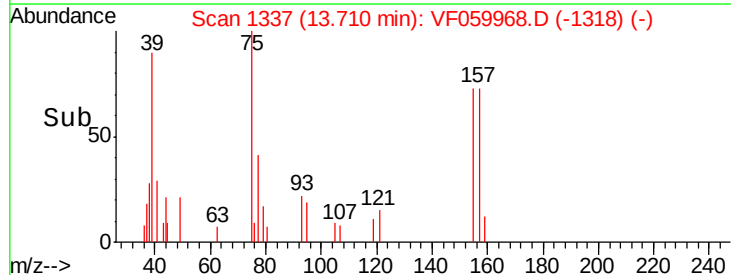
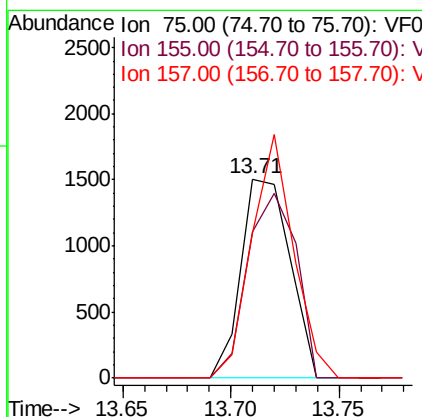
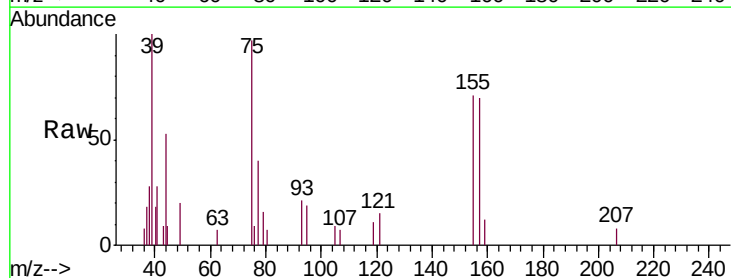
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

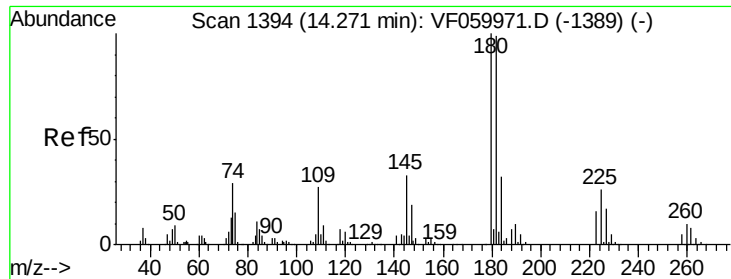
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.9	71.8
148	62.1	31.4	94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.889 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	38.0	114.0
157	72.7	50.6	151.8

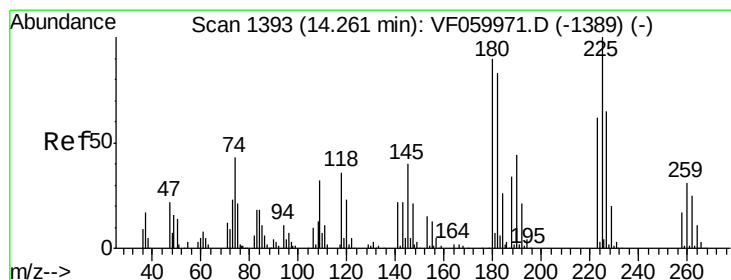
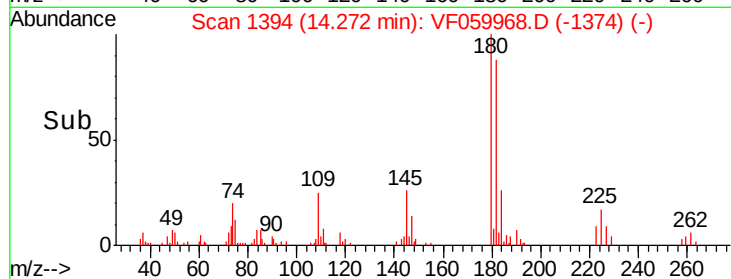
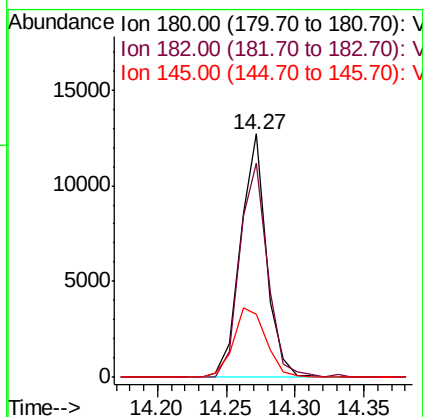
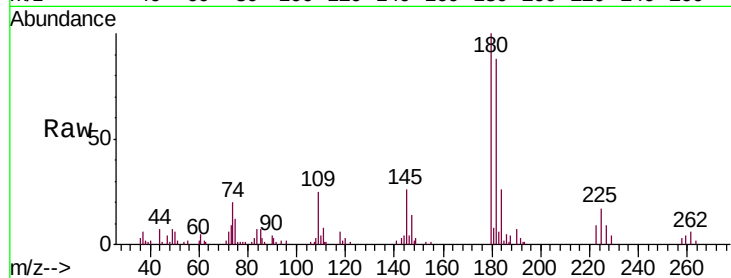




#93
 1,2,4-Trichlorobenzene
 Concen: 5.426 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

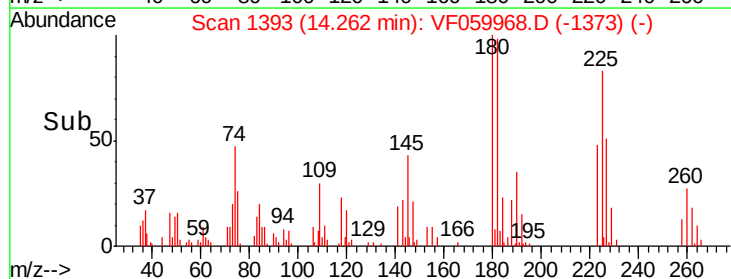
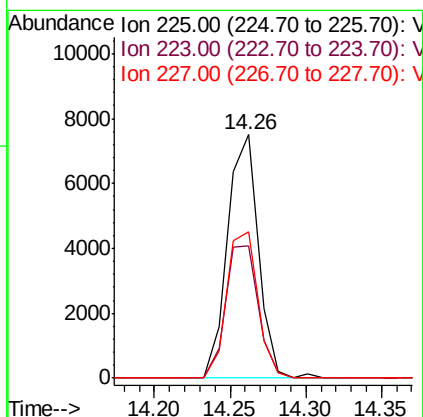
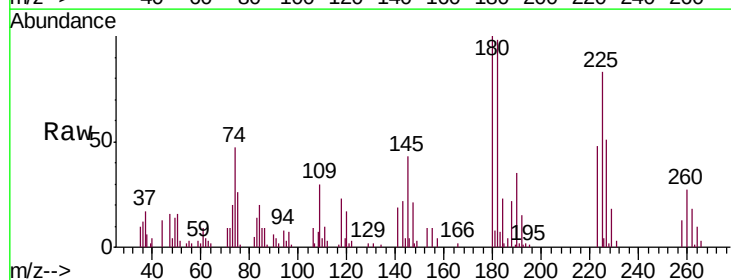
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

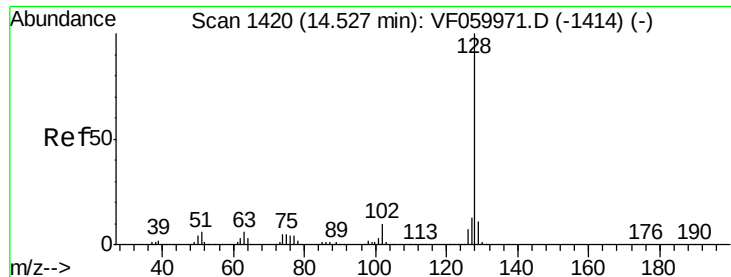
Tgt Ion:180 Resp: 16764
 Ion Ratio Lower Upper
 180 100
 182 88.1 49.7 149.1
 145 26.1 16.4 49.4



#94
 Hexachlorobutadiene
 Concen: 4.894 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 18:46

Tgt Ion:225 Resp: 10616
 Ion Ratio Lower Upper
 225 100
 223 54.4 31.0 93.0
 227 60.1 32.4 97.2

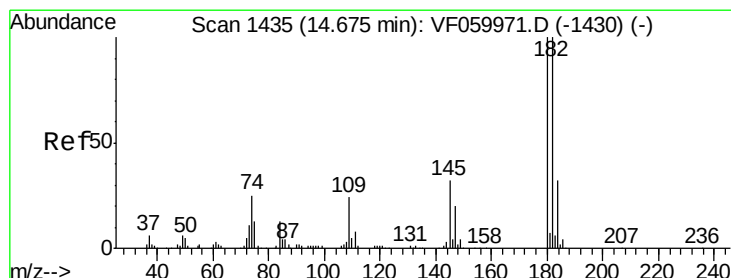
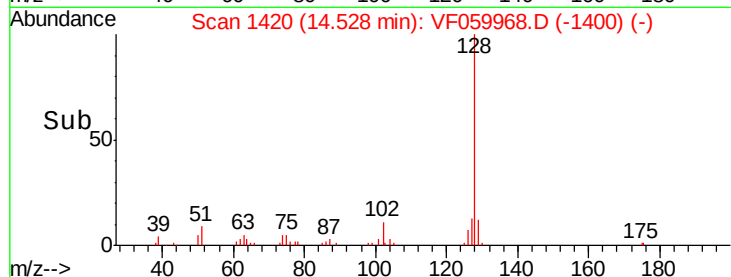
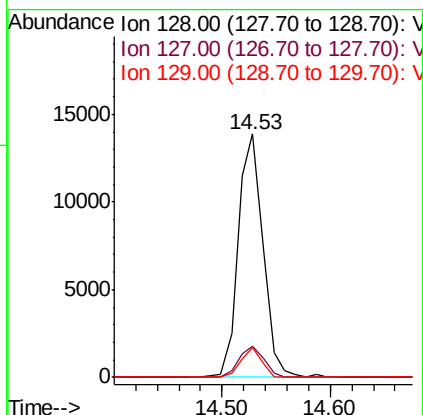
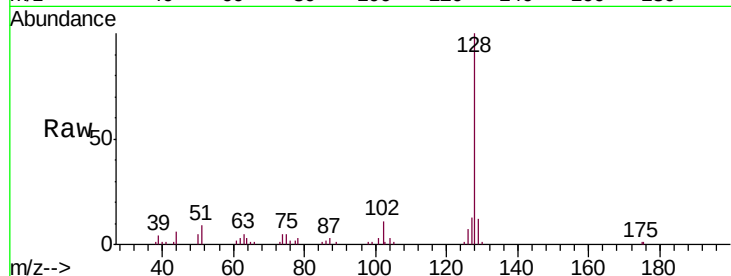




#95
Naphthalene
Concen: 4.251 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 22037
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 12.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.322 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 18:46

Tgt Ion:180 Resp: 15813
Ion Ratio Lower Upper
180 100
182 97.7 49.9 149.7
145 36.9 16.2 48.5

