

Data File : VF059969.D
Acq On : 16 Aug 2018 19:41
Operator : VA/AP
Sample : VSTDIC010
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Quant Time: Aug 17 04:40:33 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	120912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	161770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	174691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	125767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	29425	13.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.72%	
35) Dibromofluoromethane	4.29	113	20315	12.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.72%	
50) Toluene-d8	7.71	98	40228	11.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.50%	
62) 4-Bromofluorobenzene	11.51	95	27377	13.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	22200	12.158	ug/l	94
3) Chloromethane	1.08	50	9660	12.404	ug/l	97
4) Vinyl Chloride	1.11	62	11129	12.073	ug/l	93
5) Bromomethane	1.31	94	10632	12.747	ug/l	91
6) Chloroethane	1.39	64	7836	13.437	ug/l	95
7) Trichlorofluoromethane	1.47	101	36677	14.004	ug/l	96
8) Diethyl Ether	1.71	74	4987	12.703	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.85	101	16948	12.500	ug/l	99
10) Methyl Iodide	1.92	142	19184	9.476	ug/l	98
11) Tert butyl alcohol	2.70	59	11197	110.076	ug/l	94
12) 1,1-Dichloroethene	1.82	96	12718	13.012	ug/l	81
13) Acrolein	2.08	56	3187	60.346	ug/l	87
14) Allyl chloride	2.19	41	20038	13.745	ug/l	91
15) Acrylonitrile	3.08	53	15962	101.314	ug/l #	89
16) Acetone	2.34	43	58117	114.740	ug/l	99
17) Carbon Disulfide	1.83	76	39159	14.839	ug/l	95
18) Methyl Acetate	2.53	43	16120	20.445	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	42361	14.102	ug/l	94
20) Methylene Chloride	2.28	84	16915	14.867	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	12474	12.865	ug/l	92
22) Diisopropyl ether	2.93	45	41998	12.527	ug/l	96
23) Vinyl Acetate	3.33	43	94223	58.288	ug/l	99
24) 1,1-Dichloroethane	3.00	63	29869	12.756	ug/l	99
25) 2-Butanone	4.51	43	40820	85.788	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	26985	16.542	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	11238	10.806	ug/l	87
28) Bromochloromethane	3.89	49	10191	12.408	ug/l	99
29) Tetrahydrofuran	4.26	42	15323	91.699	ug/l	95
30) Chloroform	4.03	83	33393	10.817	ug/l	98
31) Cyclohexane	3.85	56	12701	11.504	ug/l #	87
32) 1,1,1-Trichloroethane	4.27	97	34045	13.040	ug/l	89
36) 1,1-Dichloropropene	4.46	75	20922	11.675	ug/l	95
37) Ethyl Acetate	4.29	43	18309	20.933	ug/l #	94
38) Carbon Tetrachloride	4.17	117	28004	9.625	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	13773	10.594	ug/l	94
40) Benzene	4.81	78	33529	11.132	ug/l	95
41) Methacrylonitrile	4.92	41	6860	16.476	ug/l	91
42) 1,2-Dichloroethane	5.12	62	34366	13.870	ug/l	99
43) Isopropyl Acetate	7.12	43	15305	16.021	ug/l #	93
44) Trichloroethene	5.68	130	13567	11.618	ug/l	91
45) 1,2-Dichloropropane	6.40	63	9905	12.122	ug/l #	88
46) Dibromomethane	6.25	93	11037	13.330	ug/l	90
47) Bromodichloromethane	6.55	83	26978	11.609	ug/l #	92
48) Methyl methacrylate	6.88	41	9928	14.149	ug/l	96
49) 1,4-Dioxane	6.87	88	2203	388.977	ug/l #	62
51) 4-Methyl-2-Pentanone	8.41	43	80937	89.177	ug/l	99
52) Toluene	7.78	92	25472	11.295	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	24505	12.700	ug/l #	89
54) cis-1,3-Dichloropropene	7.46	75	20977	11.488	ug/l	86
55) 1,1,2-Trichloroethane	8.64	97	12639	15.490	ug/l	91
56) Ethyl methacrylate	8.76	69	12007	13.159	ug/l	96
57) 1,3-Dichloropropane	9.00	76	20824	13.931	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	6343	57.047	ug/l	100
59) 2-Hexanone	9.63	43	65167	95.524	ug/l	93
60) Dibromochloromethane	8.87	129	20402	12.879	ug/l	92
61) 1,2-Dibromoethane	9.14	107	15127	14.650	ug/l	95
64) Tetrachloroethene	8.31	164	14637	10.789	ug/l	93
65) Chlorobenzene	9.95	112	37694	11.182	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.07	131	17969	11.051	ug/l	94
67) Ethyl Benzene	10.05	91	69831	11.696	ug/l	98
68) m/p-Xylenes	10.27	106	46237	22.981	ug/l	94
69) o-Xylene	10.83	106	23884	10.950	ug/l	94
70) Styrene	10.90	104	38102	11.643	ug/l	96
71) Bromoform	10.89	173	13973	13.019	ug/l	94
73) Isopropylbenzene	11.23	105	74602	9.594	ug/l	95
74) N-amyl acetate	11.46	43	25061	13.297	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	18842	13.383	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	16796	13.758	ug/l	98
77) Bromobenzene	11.59	156	21797	10.495	ug/l	91
78) n-propylbenzene	11.69	91	97136	10.597	ug/l	99
79) 2-Chlorotoluene	11.82	91	58996	10.241	ug/l	91
80) 1,3,5-Trimethylbenzene	11.92	105	70973	9.792	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	8626	16.892	ug/l	86
82) 4-Chlorotoluene	11.99	91	65665	10.299	ug/l	91
83) tert-Butylbenzene	12.21	119	67629	9.533	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	76881	10.552	ug/l	99
85) sec-Butylbenzene	12.39	105	89081	9.869	ug/l	98
86) p-Isopropyltoluene	12.54	119	79652	9.981	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	42780	10.919	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	42190	10.969	ug/l	97
89) n-Butylbenzene	12.92	91	76270	9.876	ug/l	99
90) Hexachloroethane	12.99	117	17659	9.021	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	42529	11.071	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	6455	16.258	ug/l	97

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	34915	11.445	ug/l	90
94) Hexachlorobutadiene	14.25	225	21641	10.105	ug/l	98
95) Naphthalene	14.53	128	51642	10.090	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	34462	11.747	ug/l	94

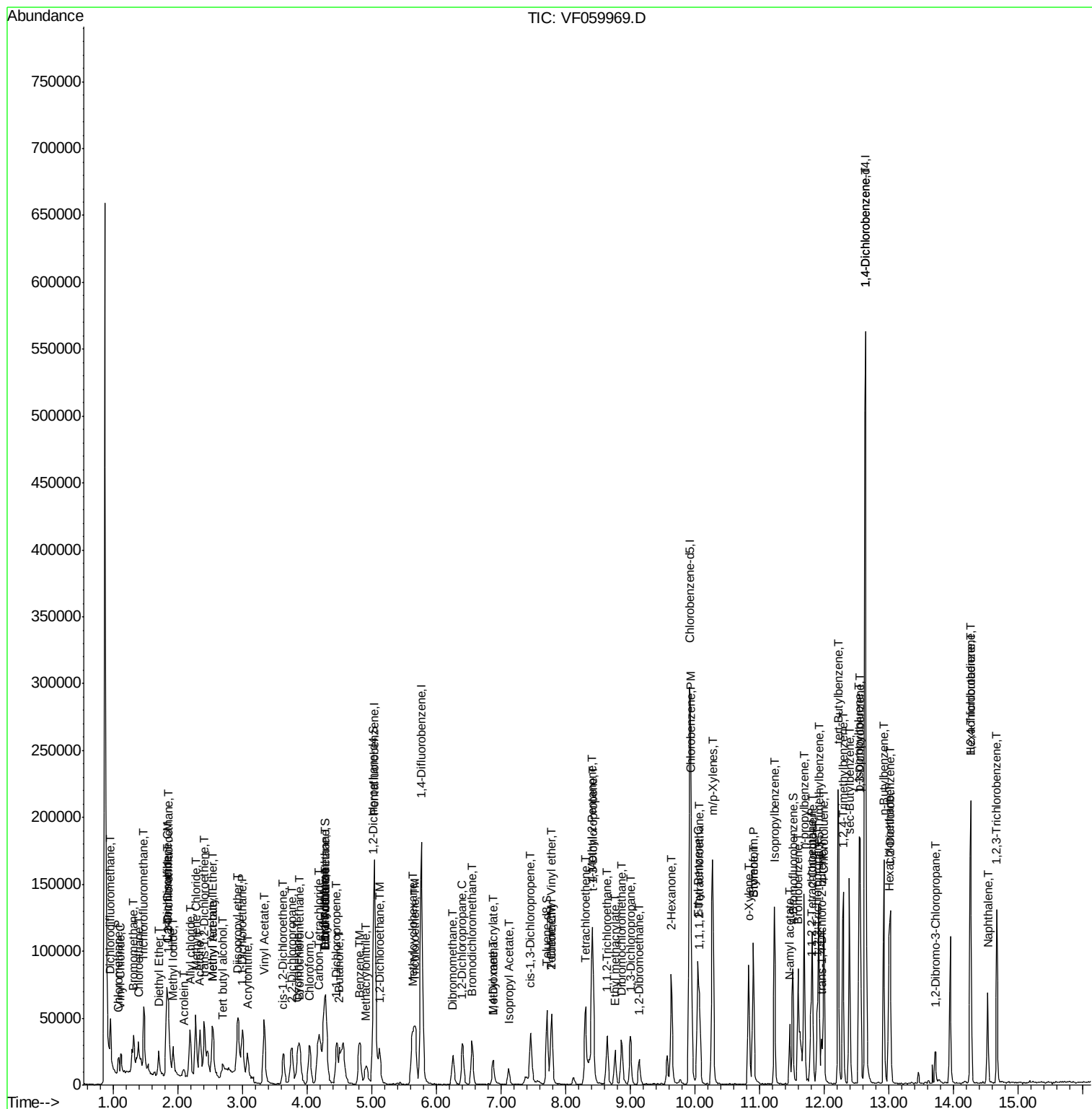
(#) = qualifier out of range (m) = manual integration (+) = signals summed

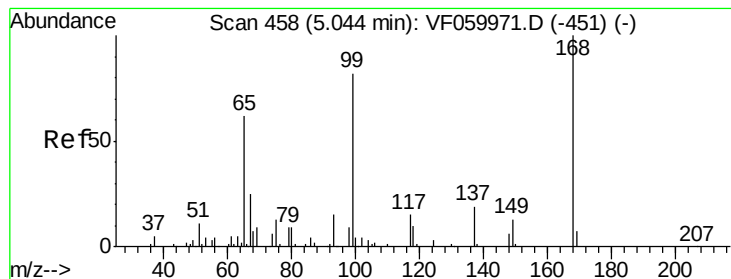
Data File : VF059969.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

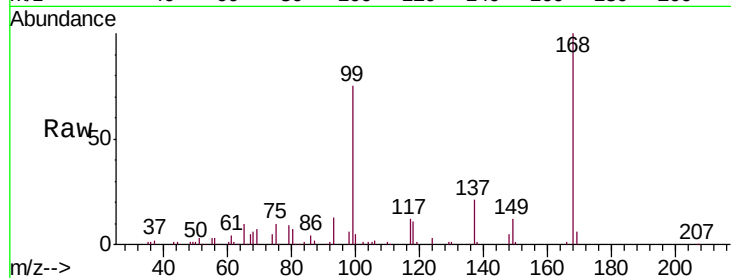
VSTDIC010

Tgt Ion:168 Resp: 120912

Ion Ratio Lower Upper

168 100

99 74.9 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

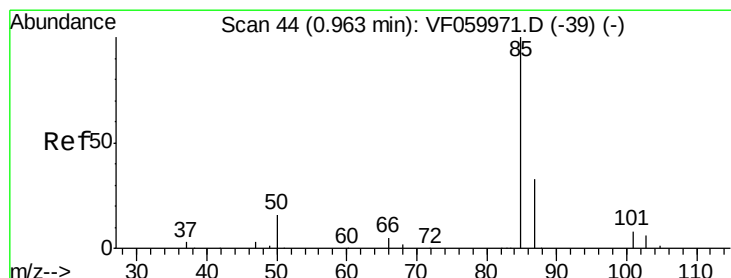
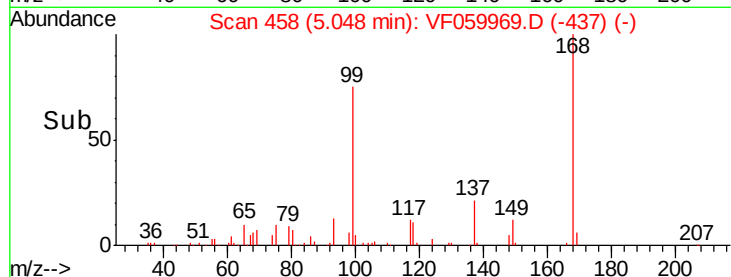
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 12.158 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

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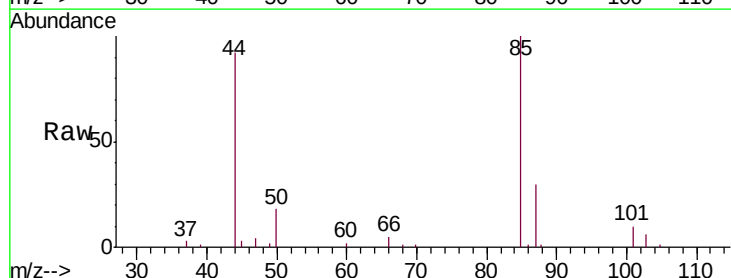
Acq: 16 Aug 2018 19:41

Tgt Ion: 85 Resp: 22200

Ion Ratio Lower Upper

85 100

87 29.6 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

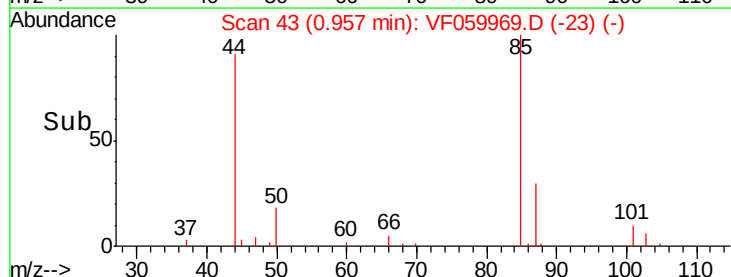
10000

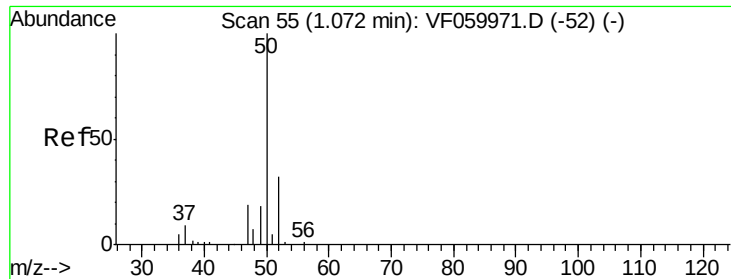
5000

0

Time-->

0.90 0.95 1.00 1.05





#3

Chloromethane

Concen: 12.404 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

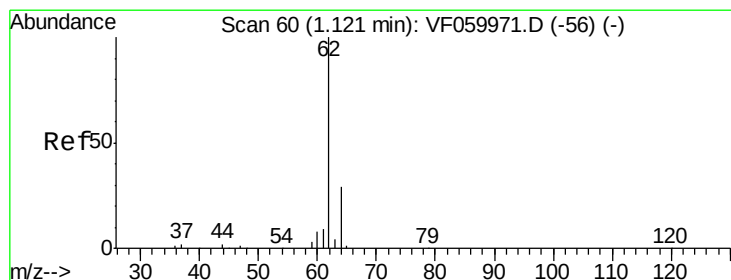
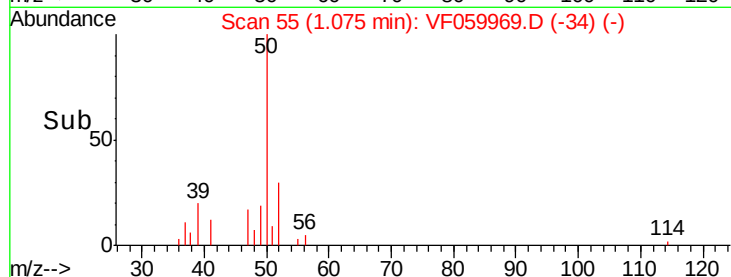
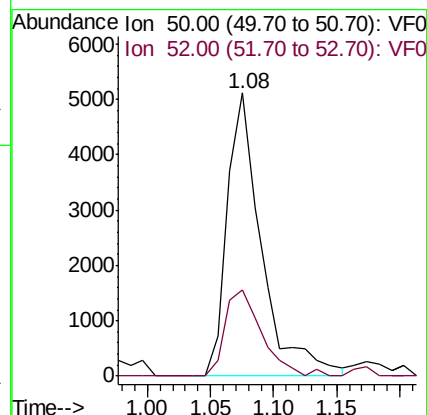
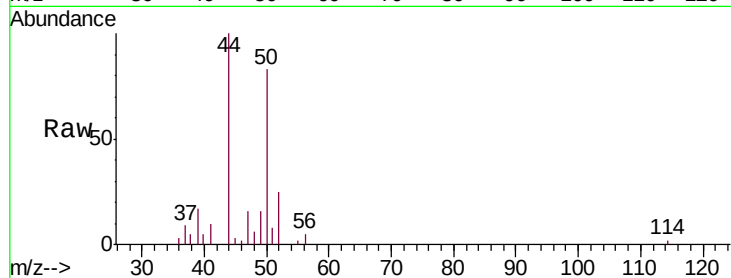
VSTDIC010

Tgt Ion: 50 Resp: 9660

Ion Ratio Lower Upper

50 100

52 30.5 25.7 38.5



#4

Vinyl Chloride

Concen: 12.073 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF059969.D

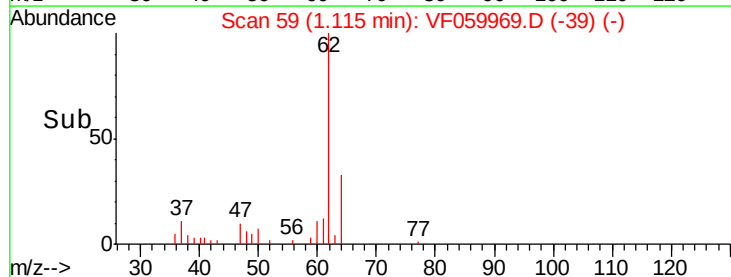
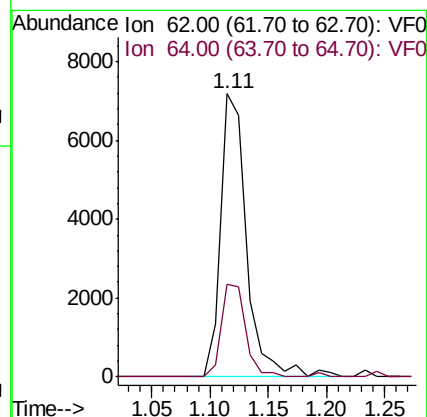
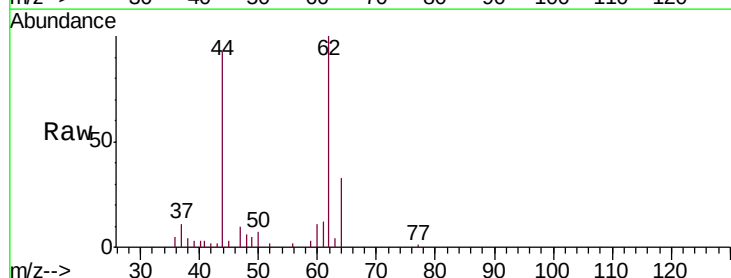
Acq: 16 Aug 2018 19:41

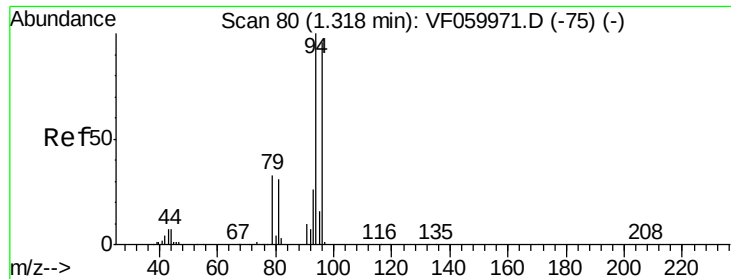
Tgt Ion: 62 Resp: 11129

Ion Ratio Lower Upper

62 100

64 32.7 23.1 34.7





#5

Bromomethane

Concen: 12.747 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

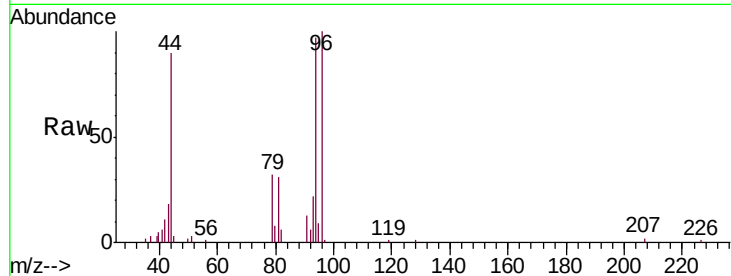
VSTDIC010

Tgt Ion: 94 Resp: 10632

Ion Ratio Lower Upper

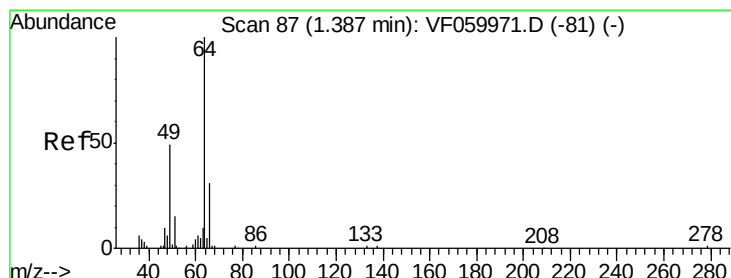
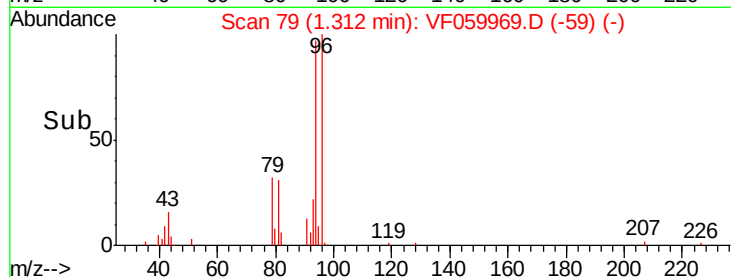
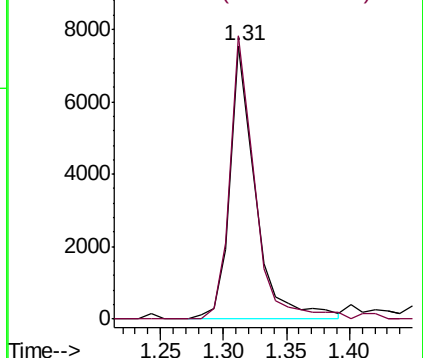
94 100

96 104.9 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: 13.437 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059969.D

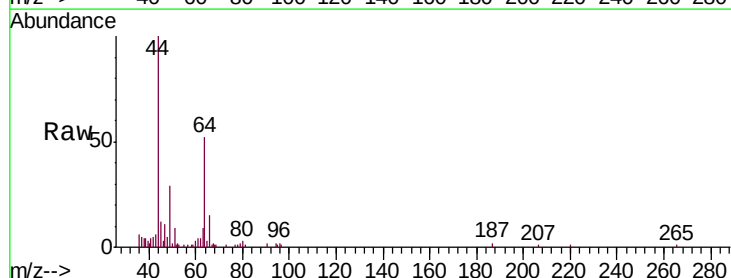
Acq: 16 Aug 2018 19:41

Tgt Ion: 64 Resp: 7836

Ion Ratio Lower Upper

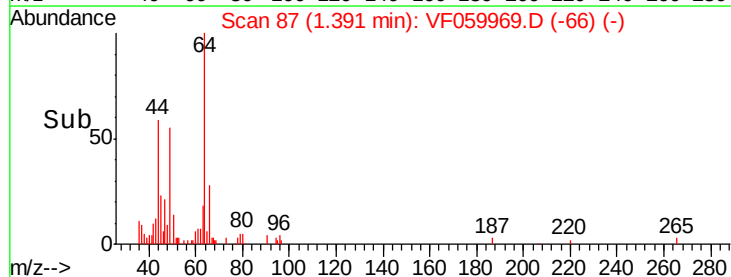
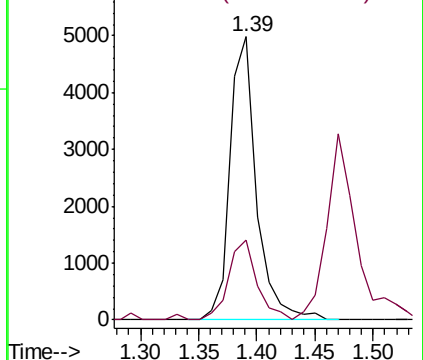
64 100

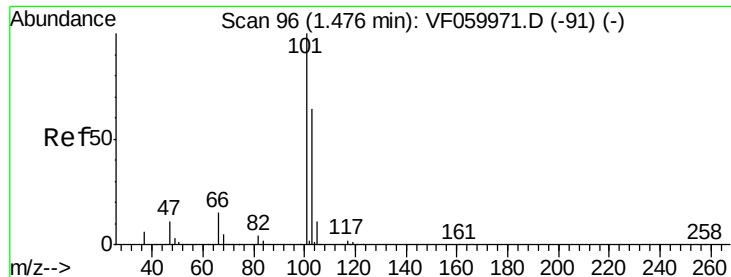
66 28.4 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 14.004 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

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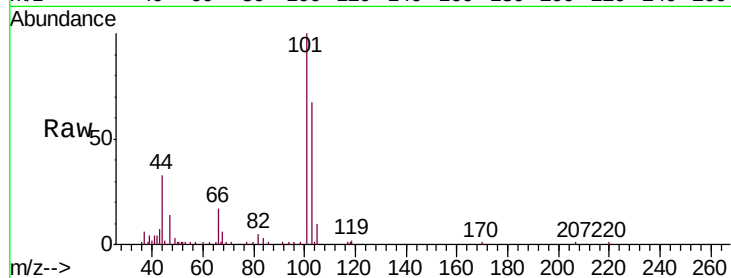
VSTDIC010

Tgt Ion:101 Resp: 36677

Ion Ratio Lower Upper

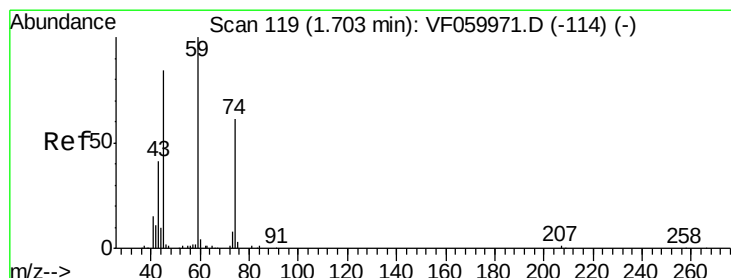
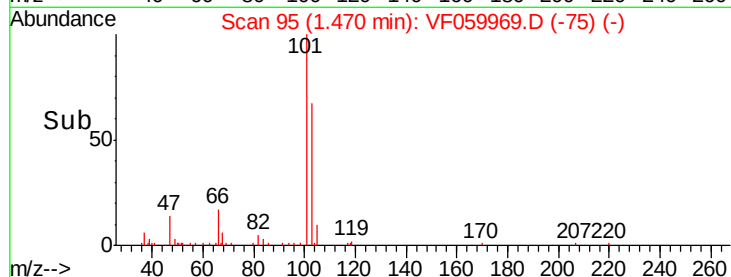
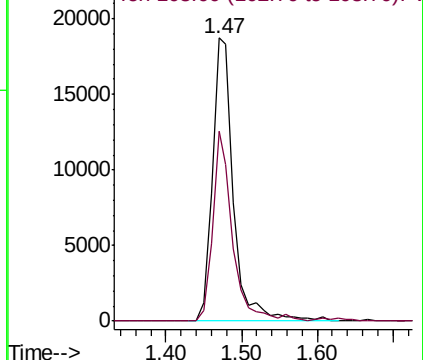
101 100

103 67.1 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 12.703 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059969.D

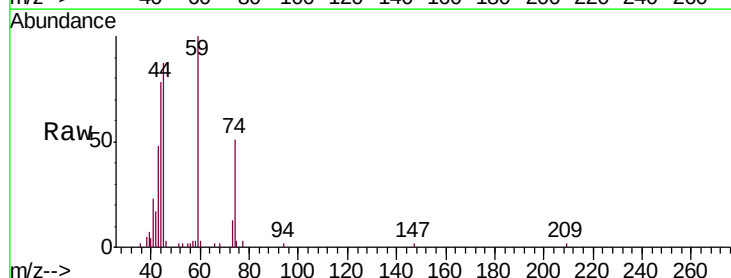
Acq: 16 Aug 2018 19:41

Tgt Ion: 74 Resp: 4987

Ion Ratio Lower Upper

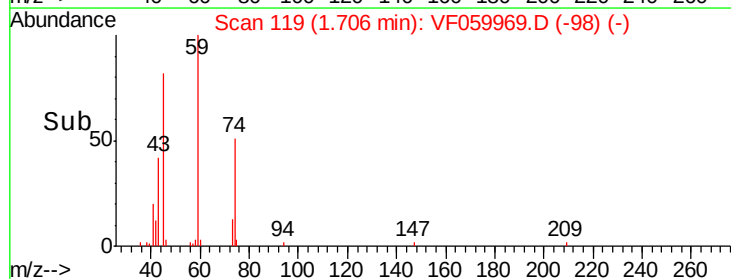
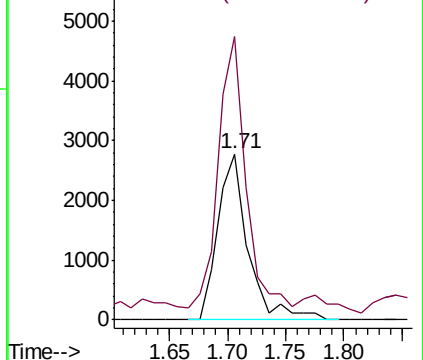
74 100

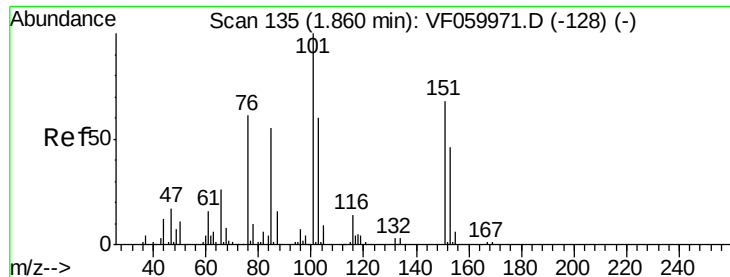
45 170.4 69.8 209.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.500 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

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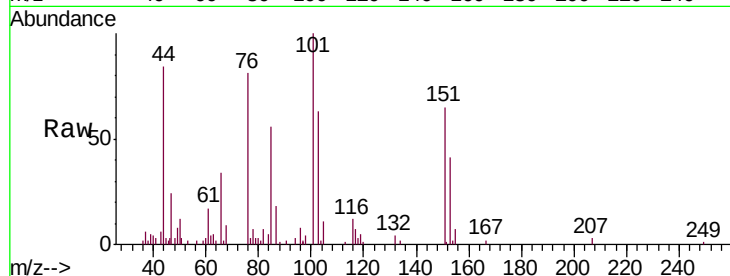
Tgt Ion:101 Resp: 16948

Ion Ratio Lower Upper

101 100

85 55.8 44.2 66.4

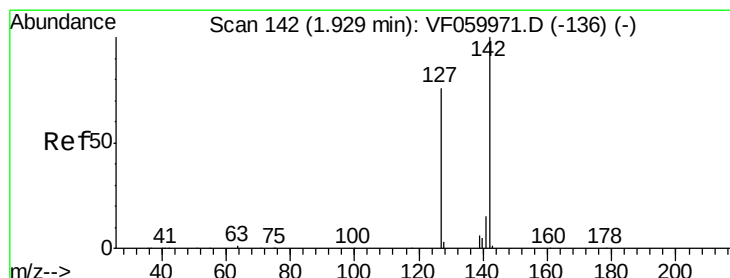
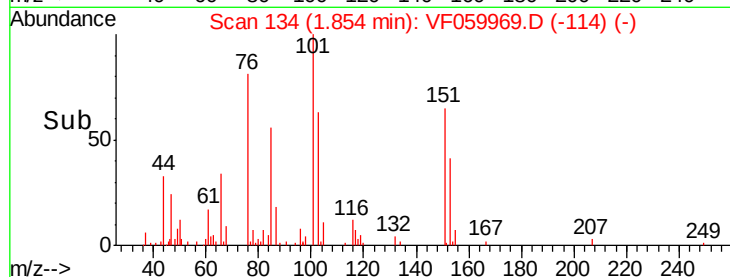
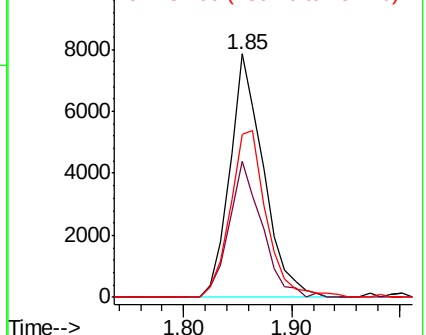
151 66.8 54.5 81.7



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: 9.476 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

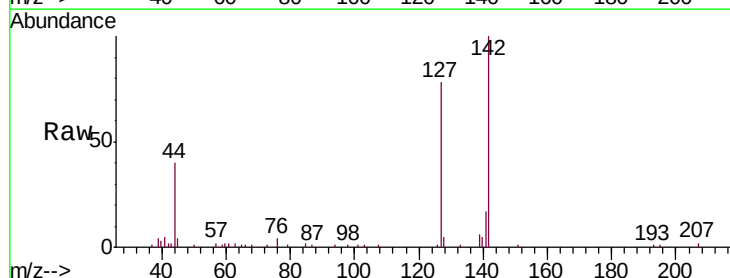
Tgt Ion:142 Resp: 19184

Ion Ratio Lower Upper

142 100

127 77.6 61.0 91.6

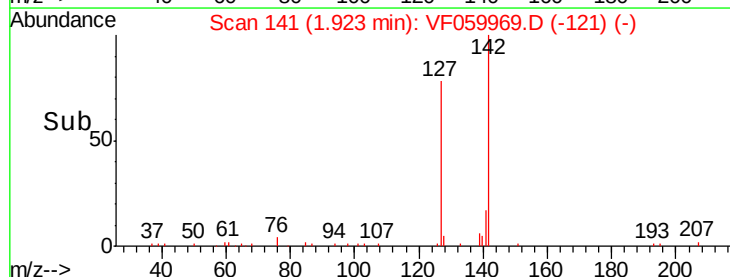
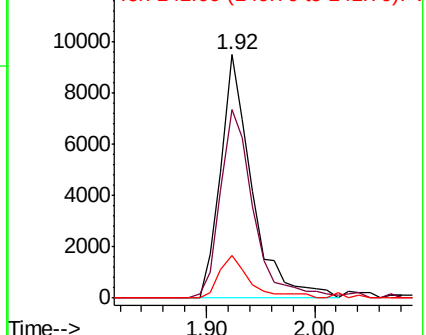
141 17.3 12.1 18.1

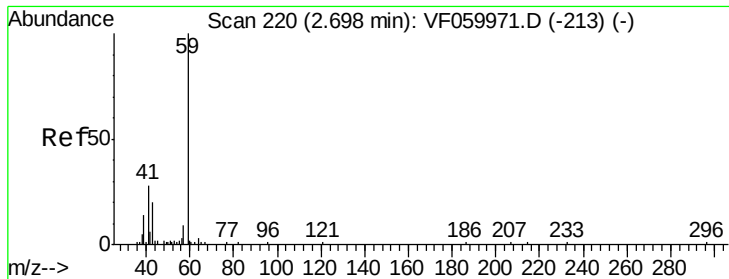


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



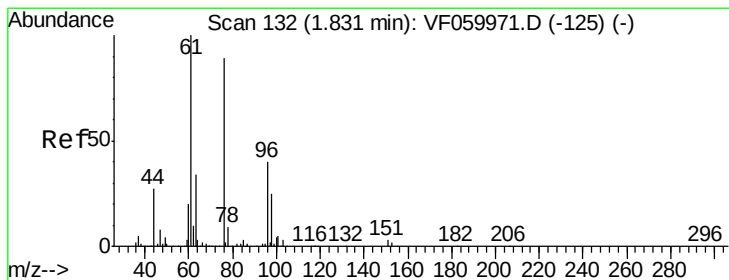
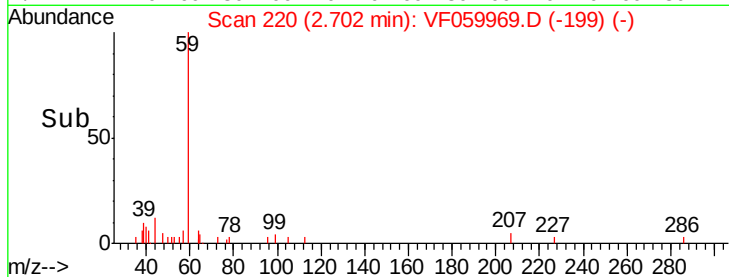
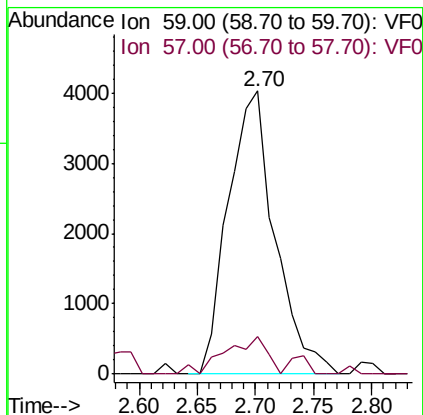
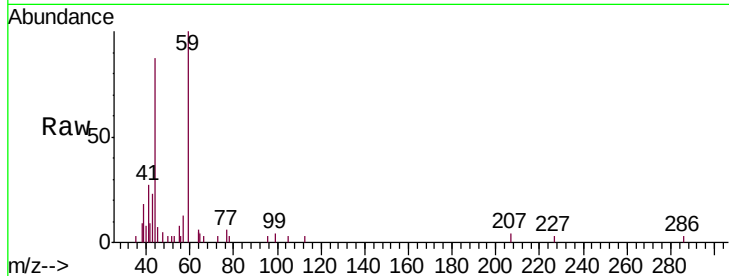


#11

Tert butyl alcohol
 Concen: 110.076 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

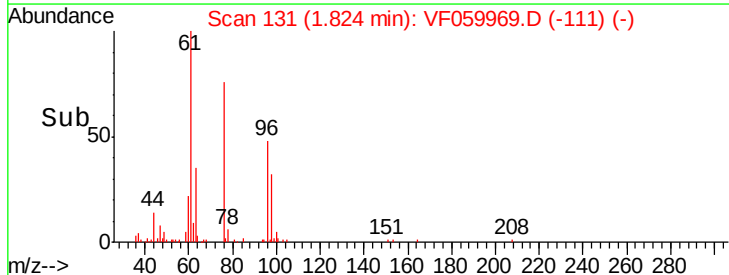
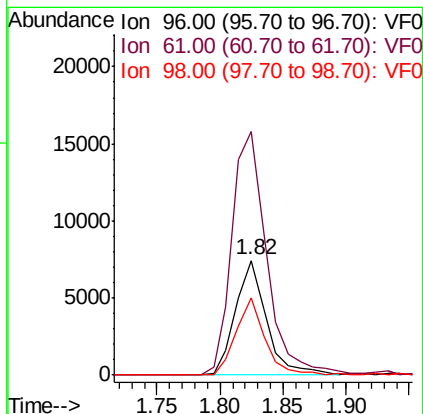
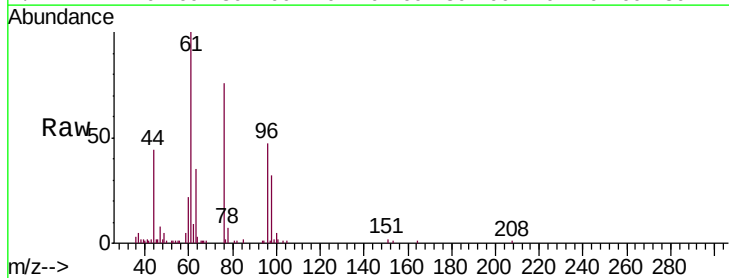
Tgt Ion: 59 Resp: 11197
 Ion Ratio Lower Upper
 59 100
 57 13.2 8.8 13.2

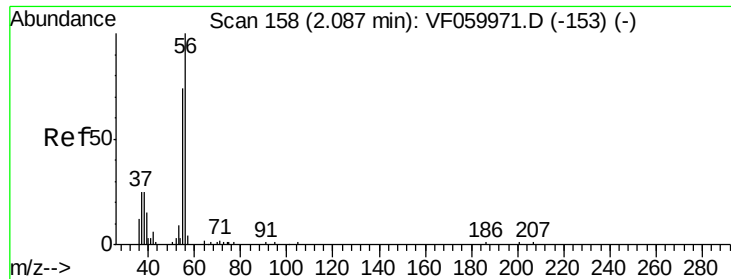


#12

1,1-Dichloroethene
 Concen: 13.012 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 96 Resp: 12718
 Ion Ratio Lower Upper
 96 100
 61 211.9 200.0 300.0
 98 67.3 49.8 74.8





#13

Acrolein

Concen: 60.346 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

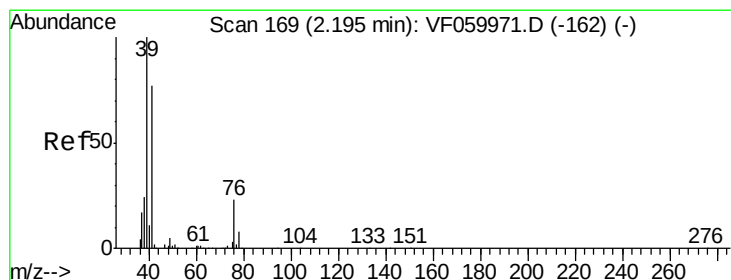
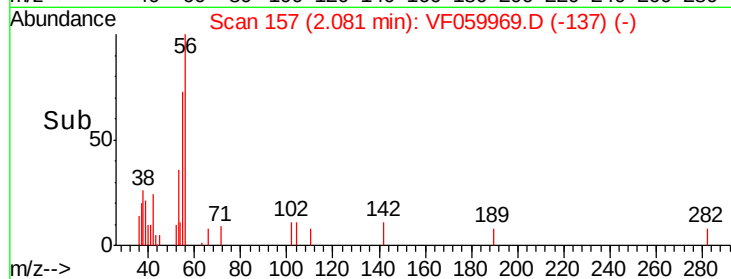
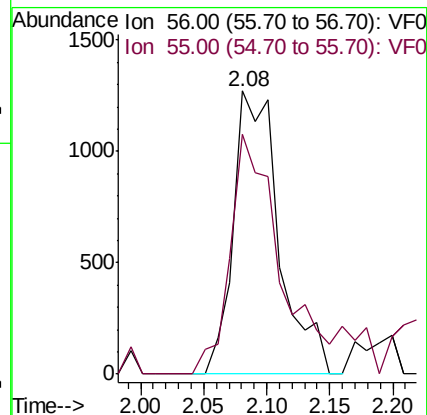
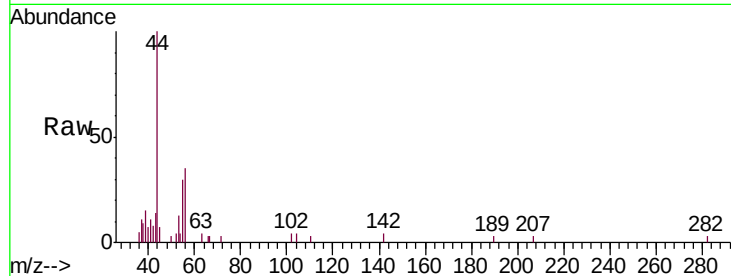
VSTDIC010

Tgt Ion: 56 Resp: 3187

Ion Ratio Lower Upper

56 100

55 84.9 59.2 88.8



#14

Allyl chloride

Concen: 13.745 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

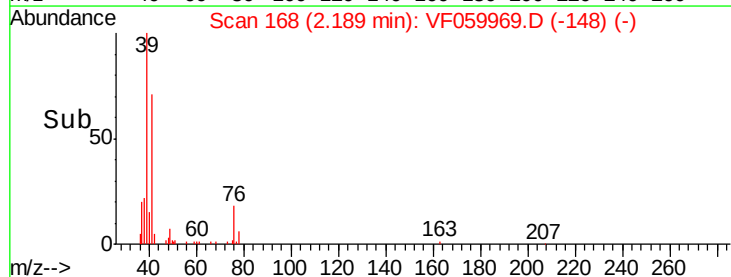
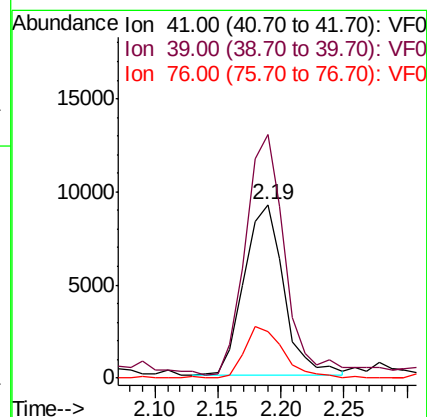
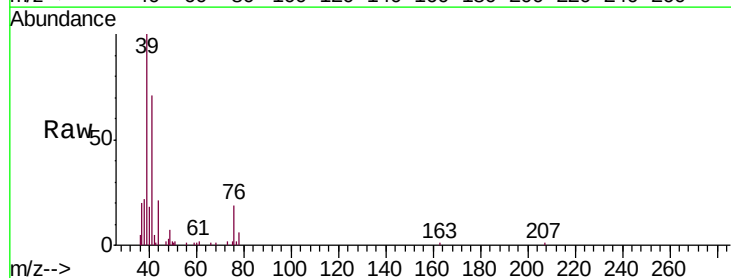
Tgt Ion: 41 Resp: 20038

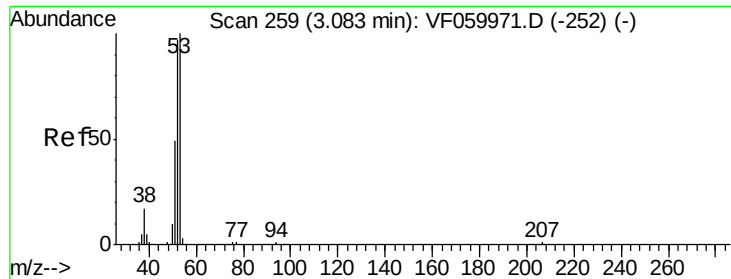
Ion Ratio Lower Upper

41 100

39 140.6 103.6 155.4

76 26.5 23.5 35.3





#15

Acrylonitrile

Concen: 101.314 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

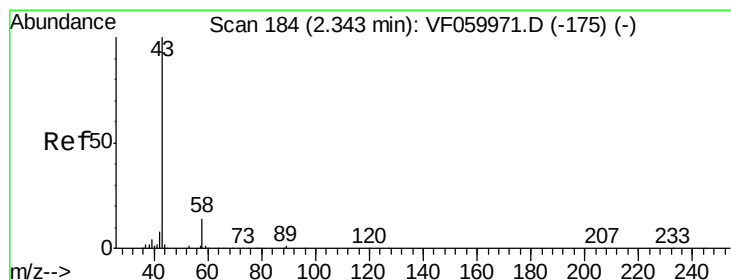
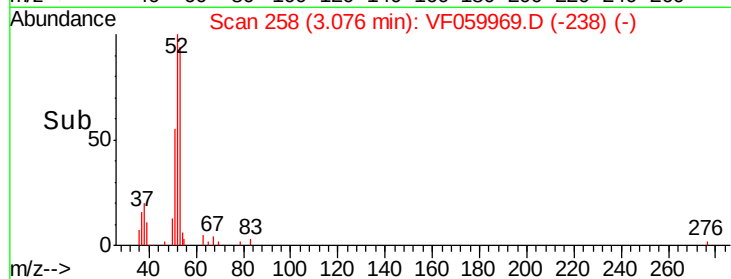
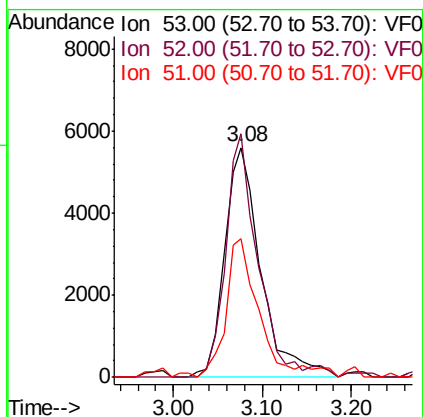
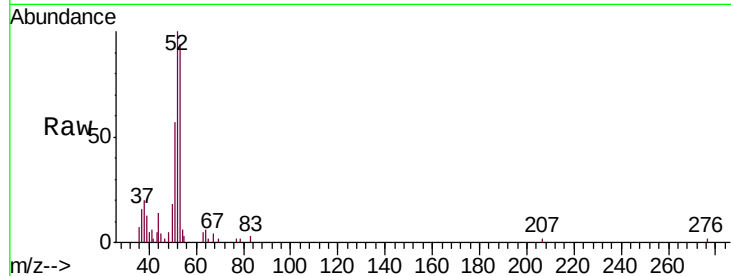
Tgt Ion: 53 Resp: 15962

Ion Ratio Lower Upper

53 100

52 106.0 77.6 116.4

51 60.2 40.2 60.2#



#16

Acetone

Concen: 114.740 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059969.D

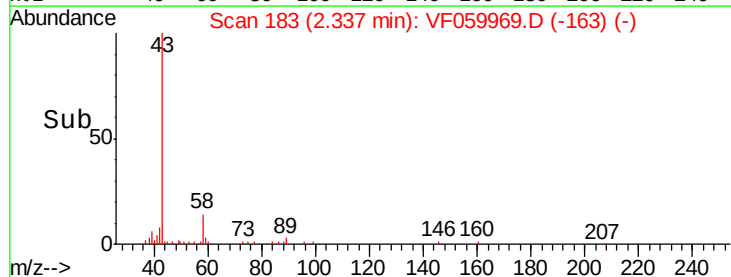
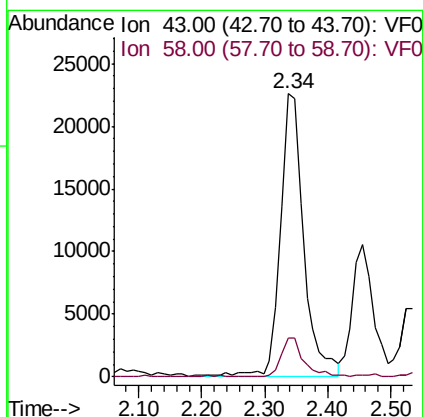
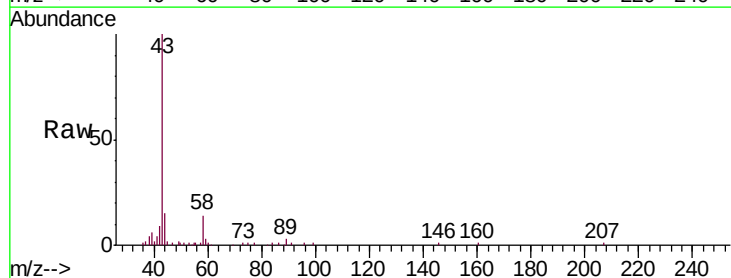
Acq: 16 Aug 2018 19:41

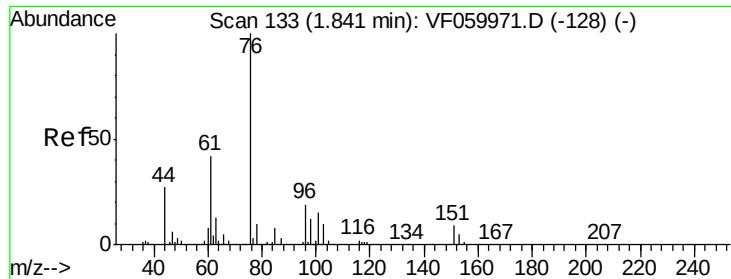
Tgt Ion: 43 Resp: 58117

Ion Ratio Lower Upper

43 100

58 13.5 11.1 16.7

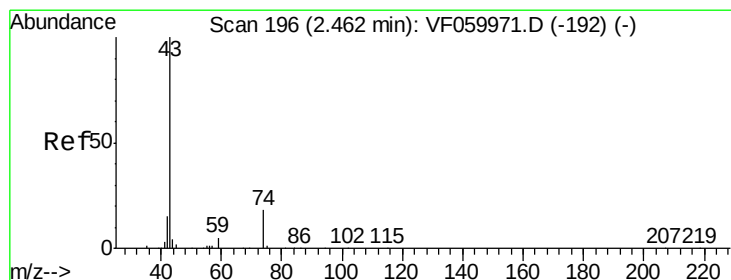
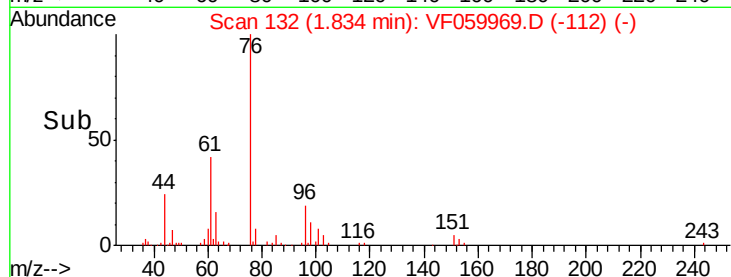
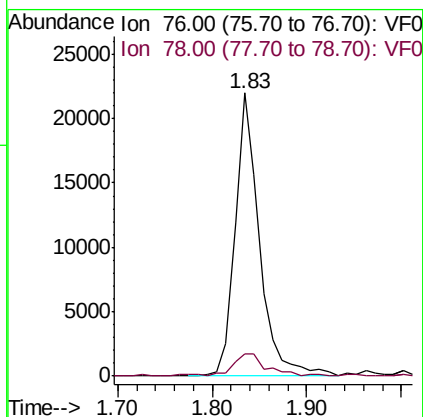
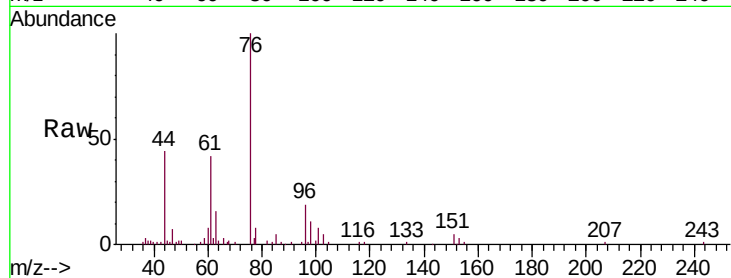




#17
Carbon Disulfide
Concen: 14.839 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

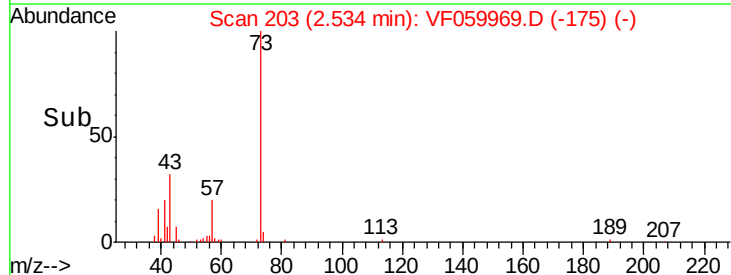
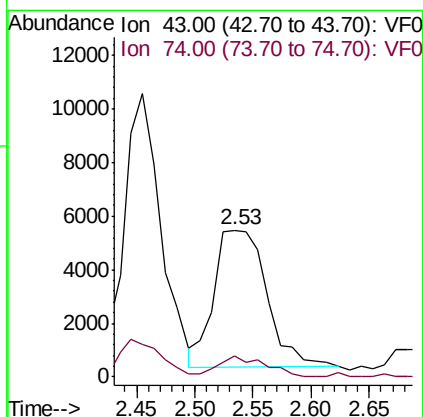
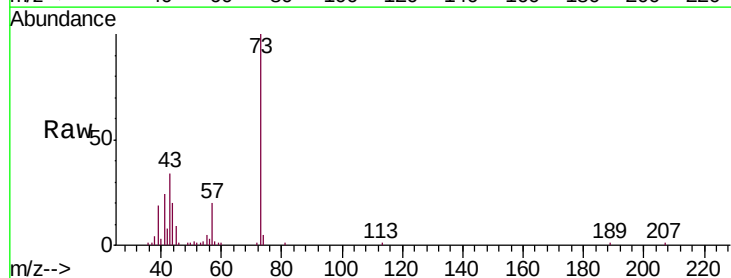
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

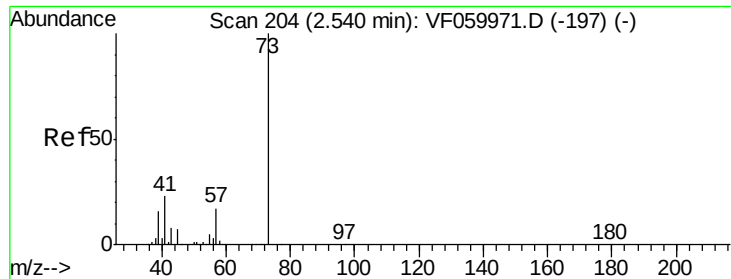
Tgt Ion: 76 Resp: 39159
Ion Ratio Lower Upper
76 100
78 8.0 8.0 12.0



#18
Methyl Acetate
Concen: 20.445 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.07 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion: 43 Resp: 16120
Ion Ratio Lower Upper
43 100
74 13.9 13.2 19.8



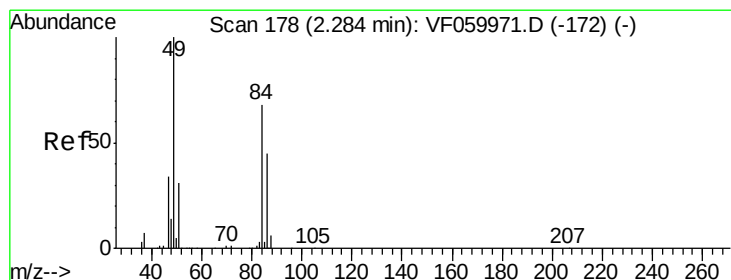
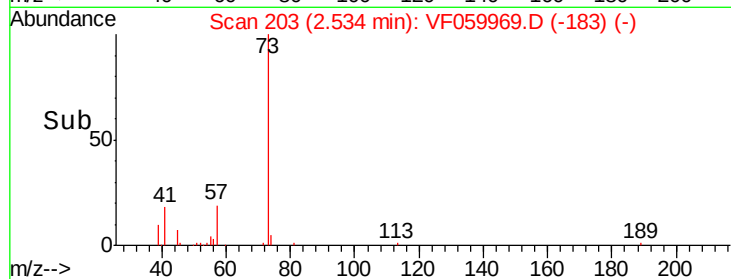
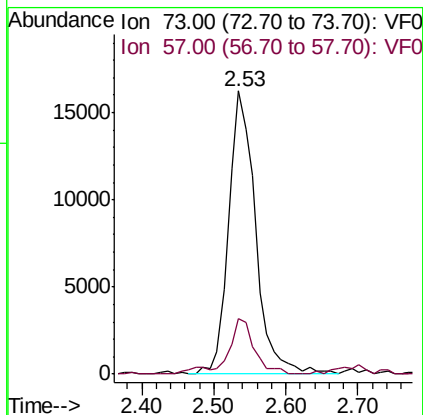
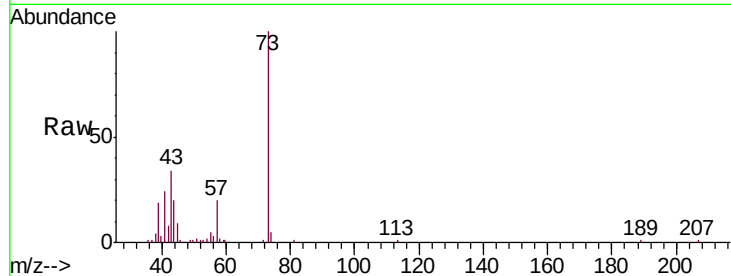


#19

Methyl tert-butyl Ether
 Concen: 14.102 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

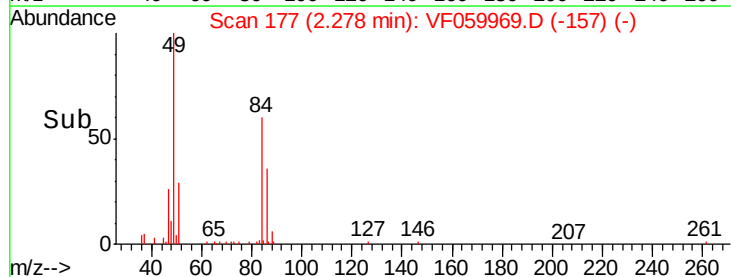
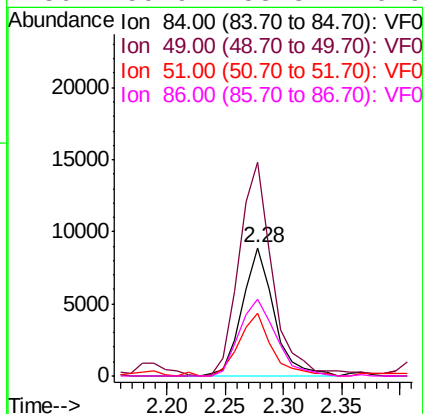
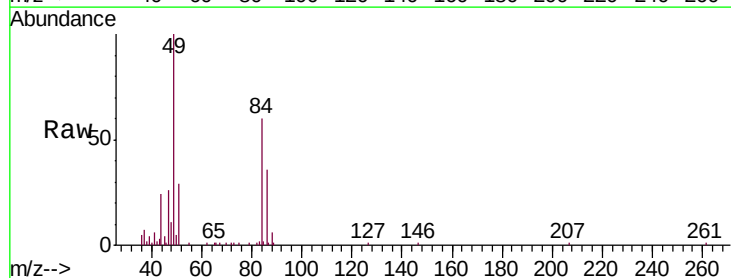
Tgt Ion: 73 Resp: 42361
 Ion Ratio Lower Upper
 73 100
 57 19.6 13.7 20.5

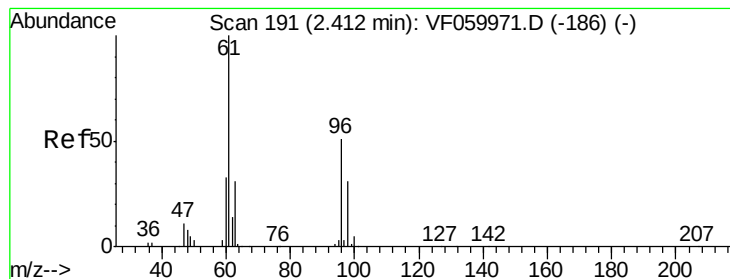


#20

Methylene Chloride
 Concen: 14.867 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 84 Resp: 16915
 Ion Ratio Lower Upper
 84 100
 49 166.4 118.2 177.2
 51 48.6 36.3 54.5
 86 59.9 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 12.865 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

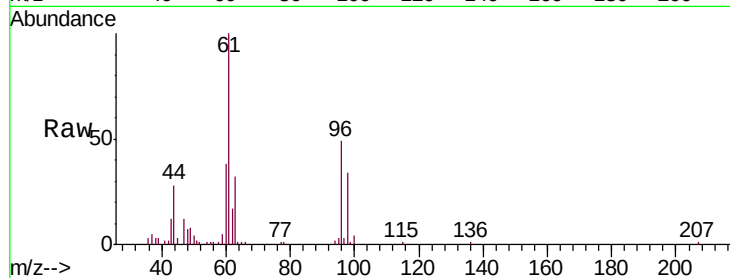
Tgt Ion: 96 Resp: 12474

Ion Ratio Lower Upper

96 100

61 206.0 156.9 235.3

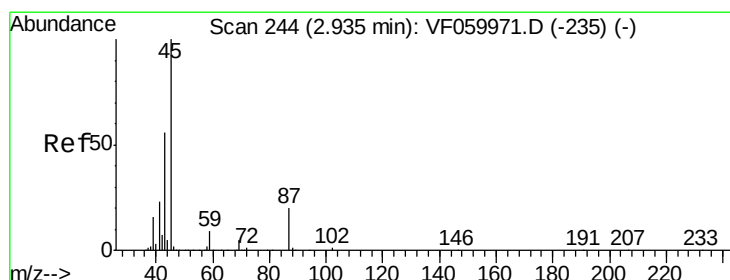
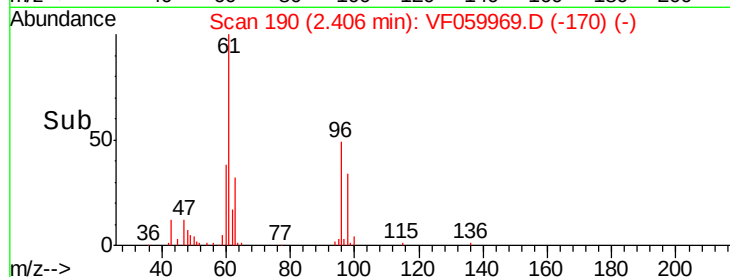
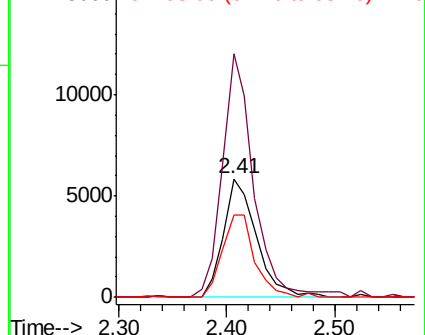
98 69.2 48.6 73.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 12.527 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Tgt Ion: 45 Resp: 41998

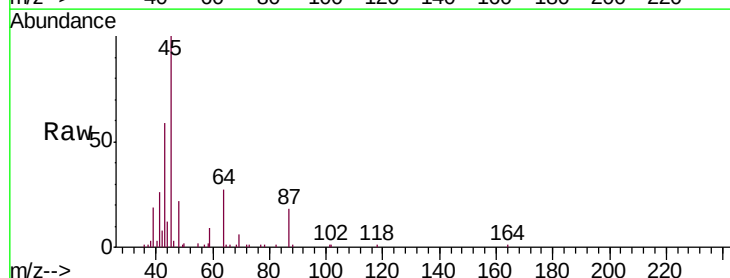
Ion Ratio Lower Upper

45 100

43 59.5 44.9 67.3

87 18.3 15.8 23.6

59 9.5 7.8 11.6

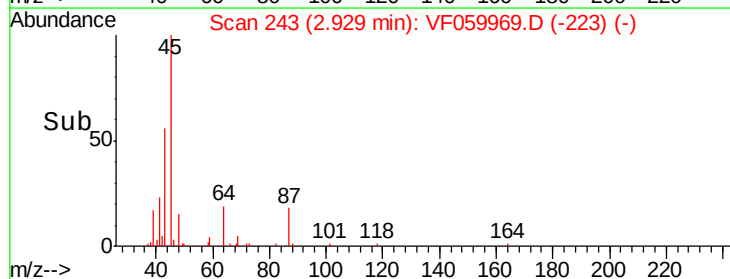
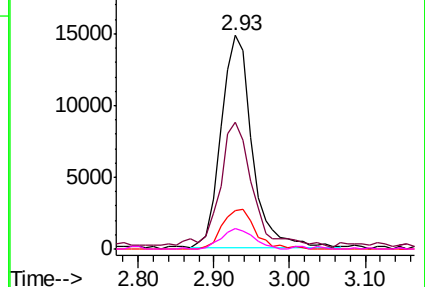


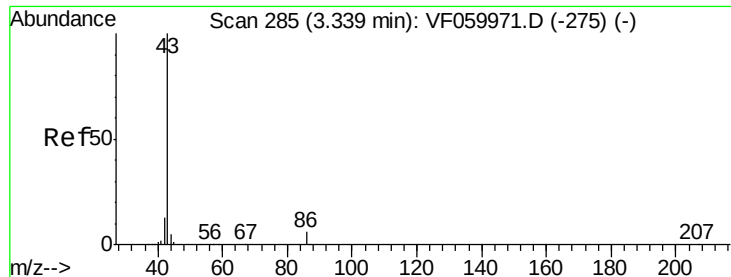
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 58.288 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

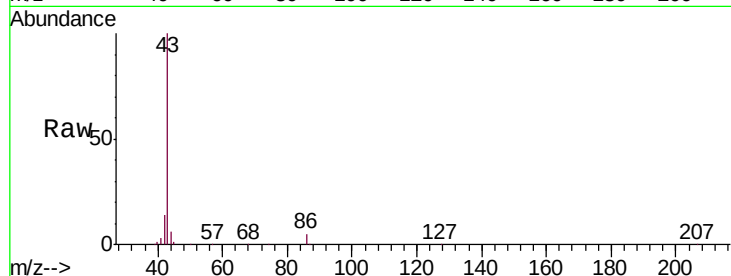
VSTDIC010

Tgt Ion: 43 Resp: 94223

Ion Ratio Lower Upper

43 100

86 5.1 4.5 6.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

40000

30000

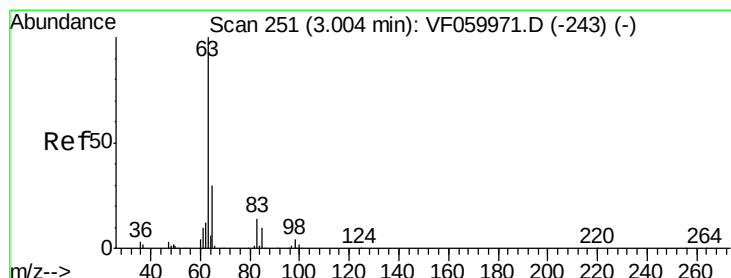
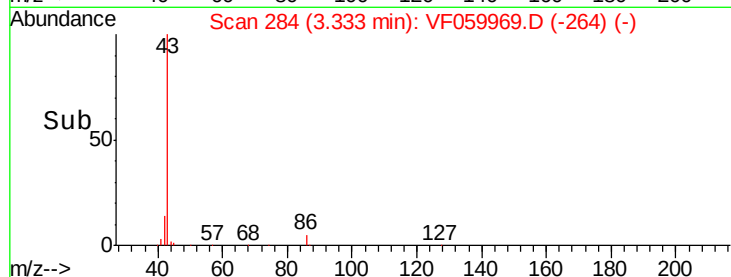
20000

10000

0

Time-->

3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 12.756 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

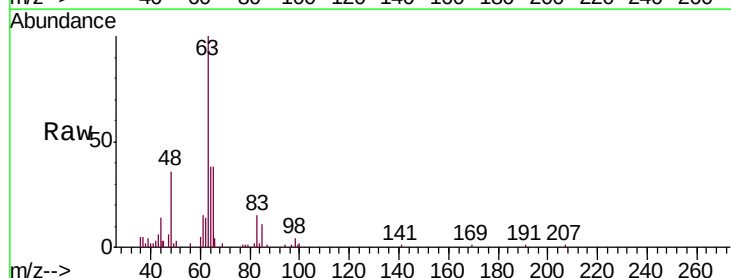
Tgt Ion: 63 Resp: 29869

Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.4

100 1.8 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

15000

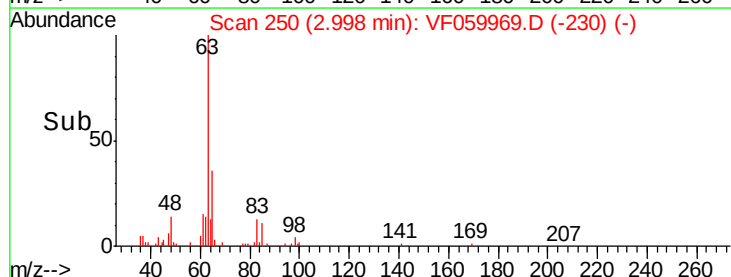
10000

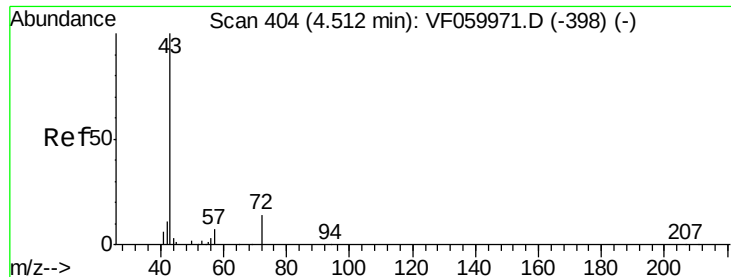
5000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 85.788 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

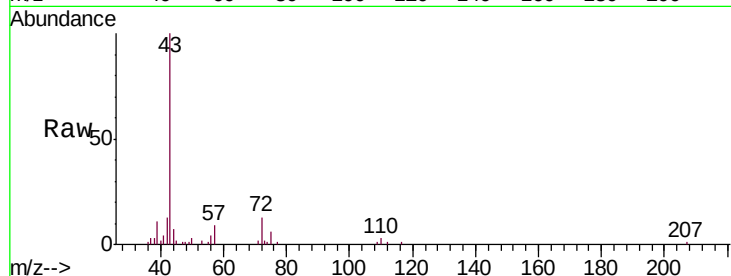
VSTDIC010

Tgt Ion: 43 Resp: 40820

Ion Ratio Lower Upper

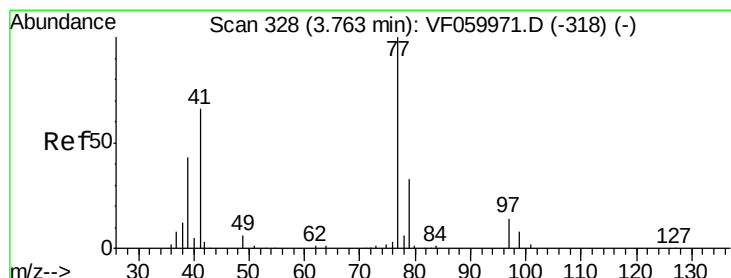
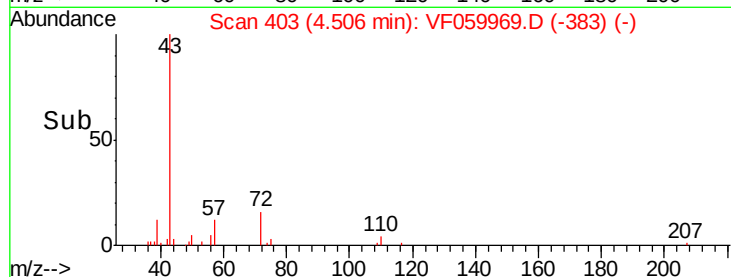
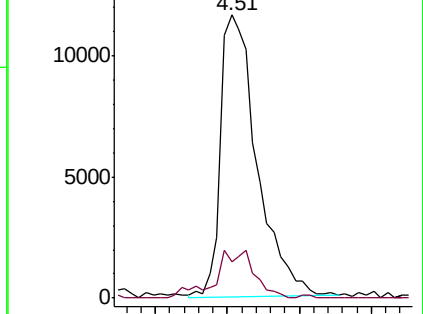
43 100

72 13.0 13.4 20.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 16.542 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF059969.D

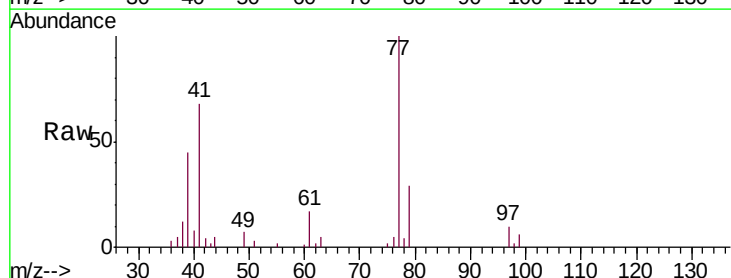
Acq: 16 Aug 2018 19:41

Tgt Ion: 77 Resp: 26985

Ion Ratio Lower Upper

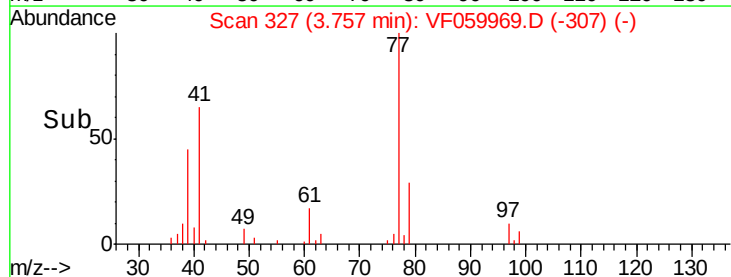
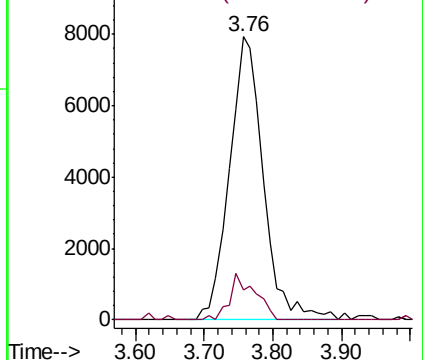
77 100

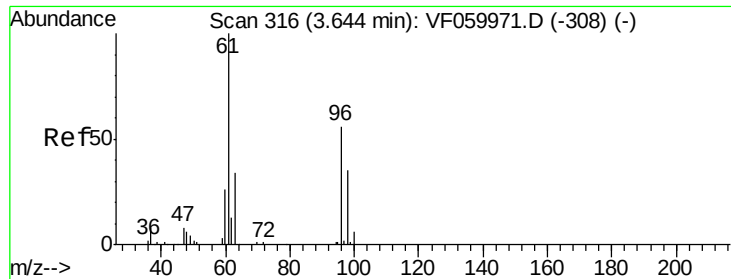
97 10.4 7.4 22.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



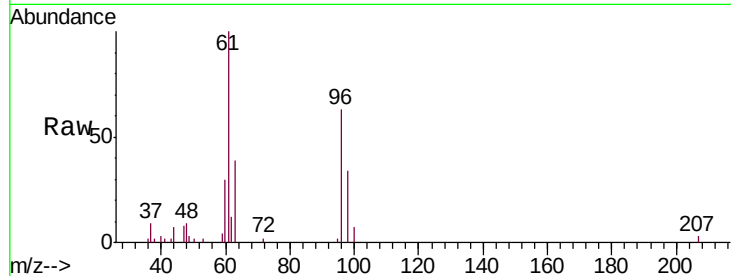


#27

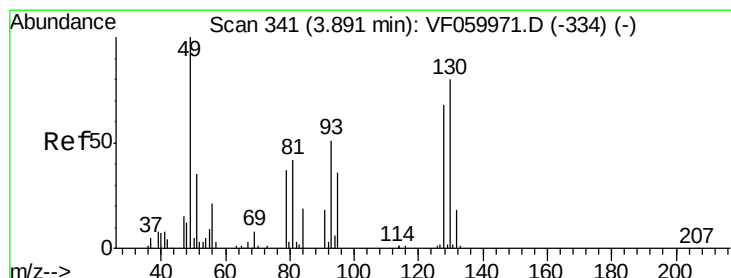
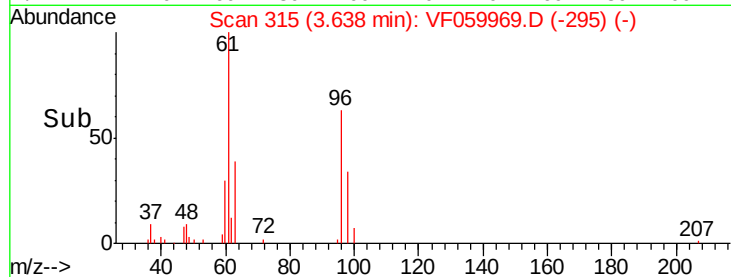
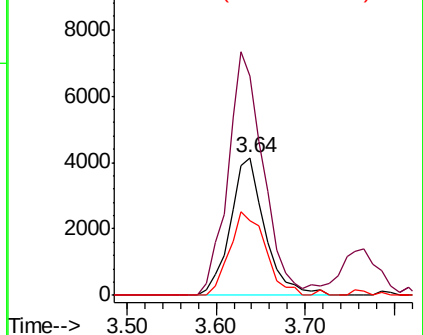
cis-1,2-Dichloroethene
 Concen: 10.806 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	356.4
98	54.2	0.0	125.2



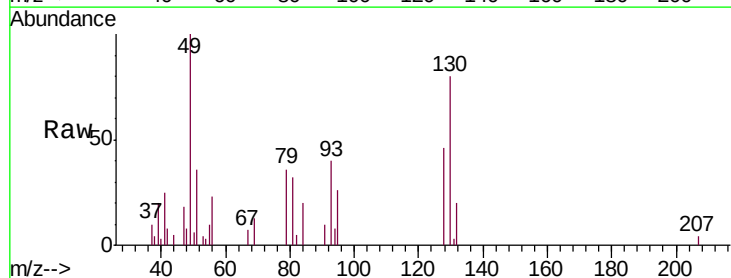
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



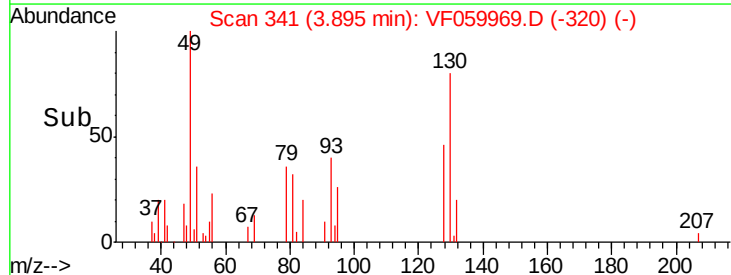
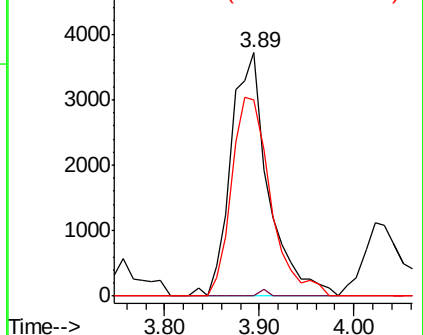
#28

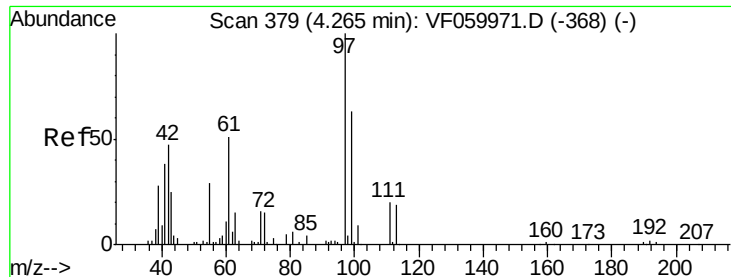
Bromochloromethane
 Concen: 12.408 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	80.4	64.0	96.0



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 91.699 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

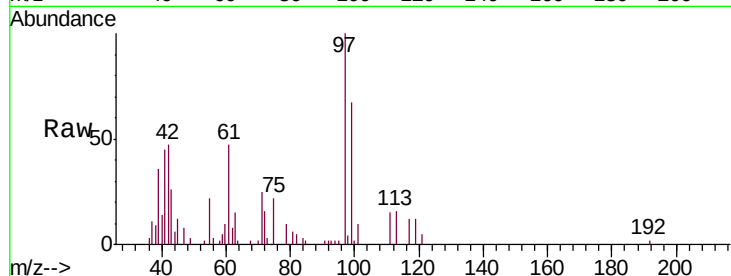
Tgt Ion: 42 Resp: 15323

Ion Ratio Lower Upper

42 100

72 30.8 27.9 41.9

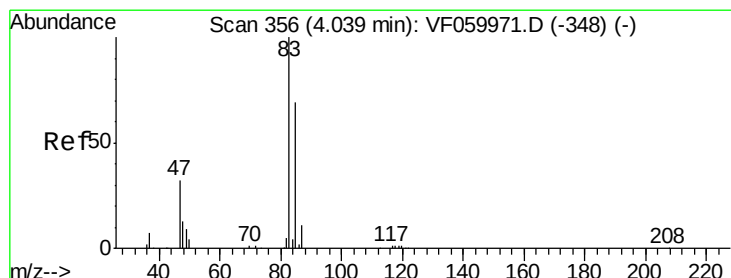
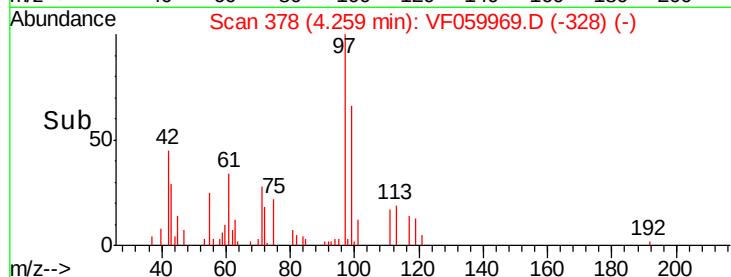
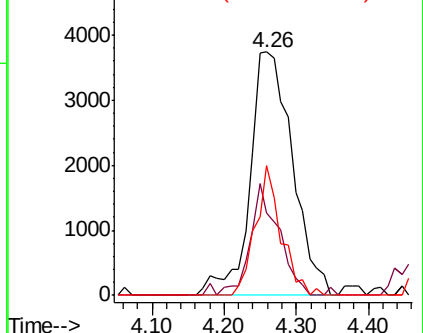
71 32.3 26.9 40.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 10.817 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059969.D

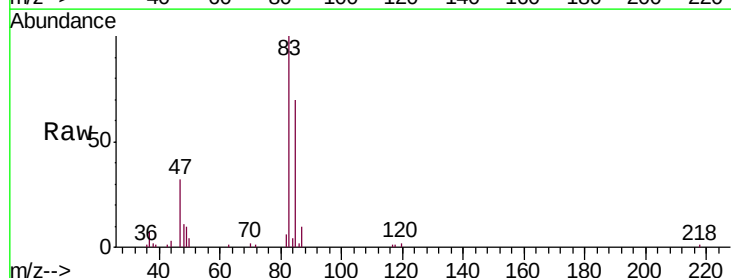
Acq: 16 Aug 2018 19:41

Tgt Ion: 83 Resp: 33393

Ion Ratio Lower Upper

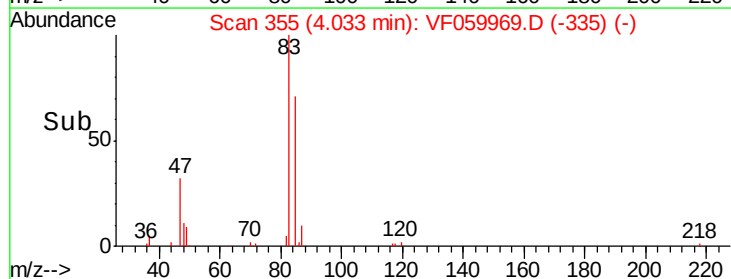
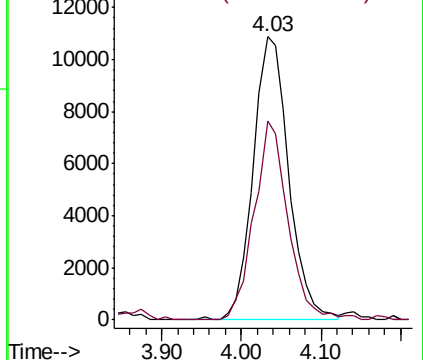
83 100

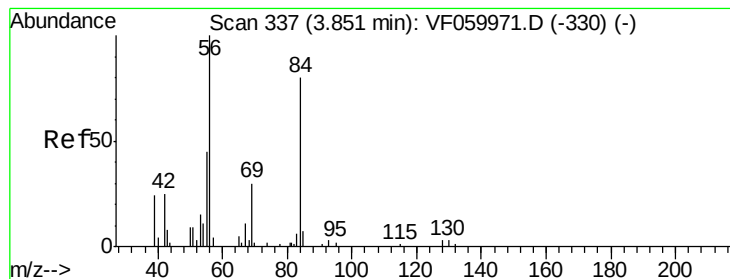
85 70.1 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 11.504 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

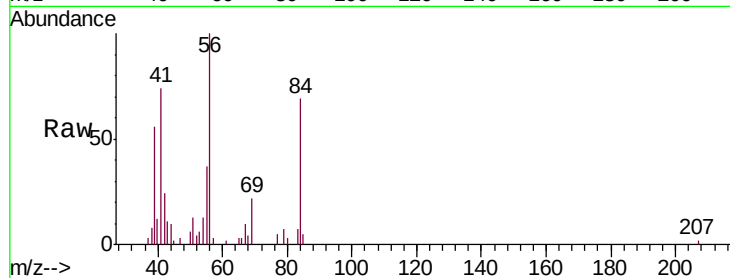
Tgt Ion: 56 Resp: 12701

Ion Ratio Lower Upper

56 100

69 21.9 23.8 35.6#

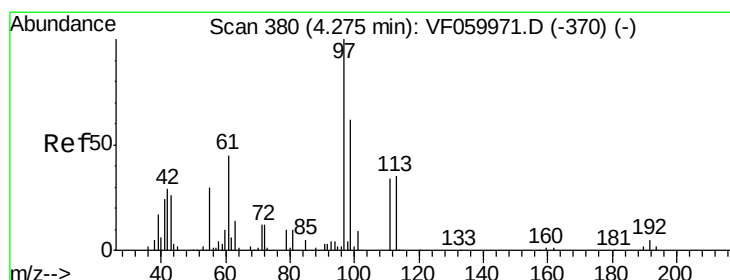
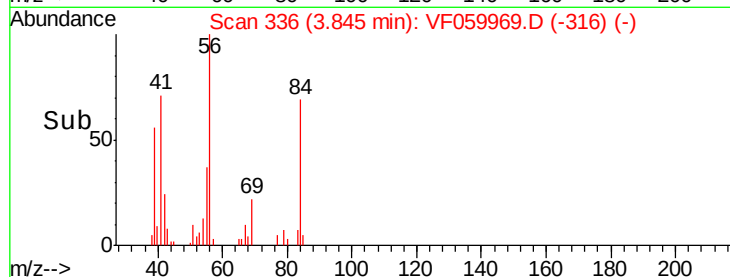
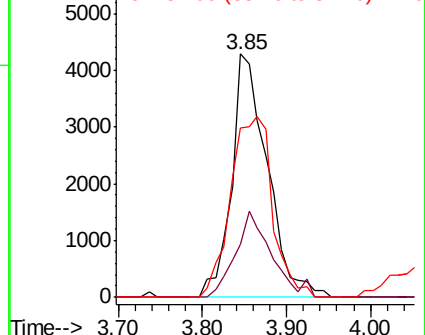
84 69.4 64.3 96.5



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: 13.040 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

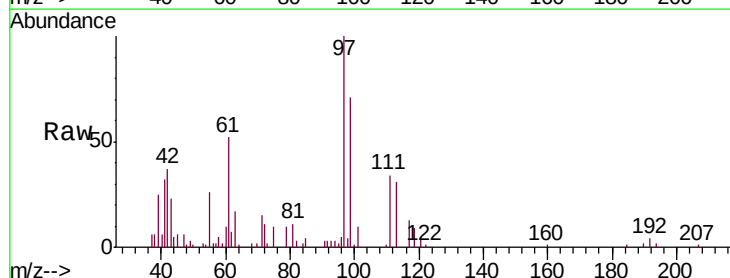
Tgt Ion: 97 Resp: 34045

Ion Ratio Lower Upper

97 100

99 70.9 49.3 73.9

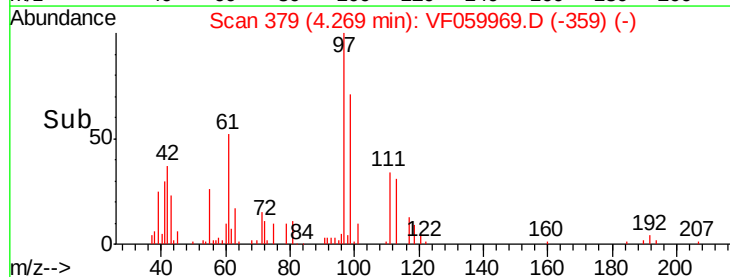
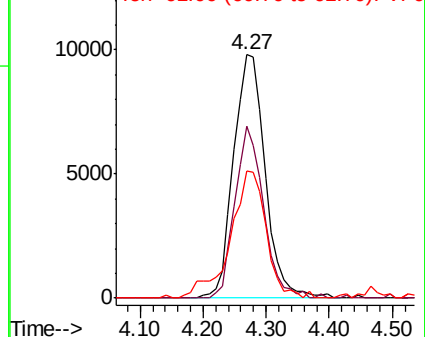
61 52.3 36.5 54.7

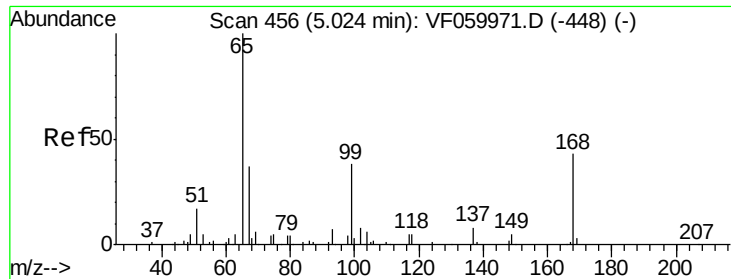


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

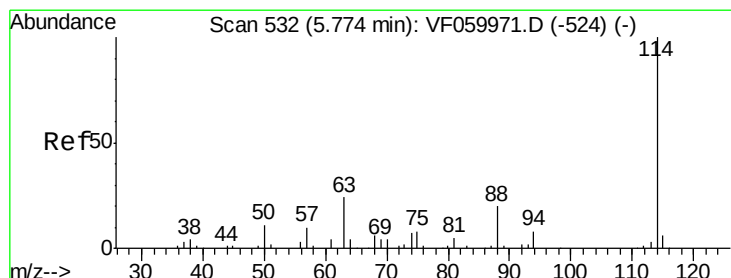
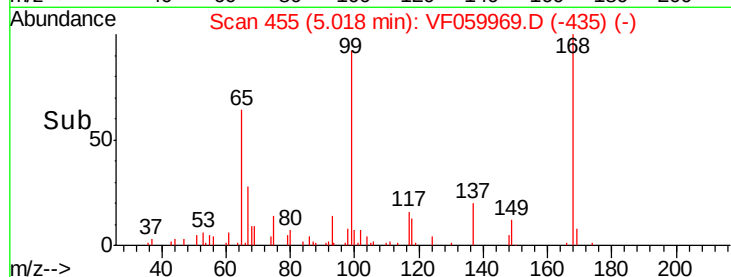
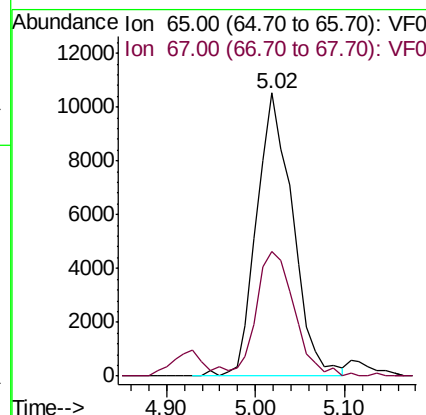
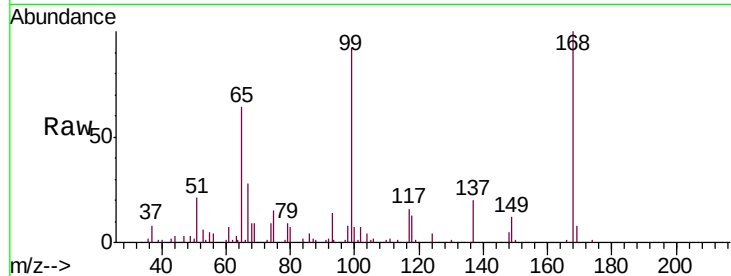




#33
 1,2-Dichloroethane-d4
 Concen: 13.357 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

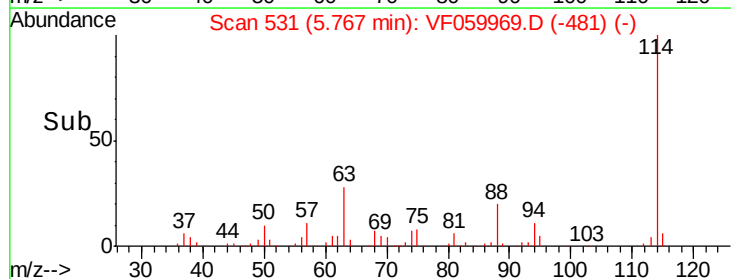
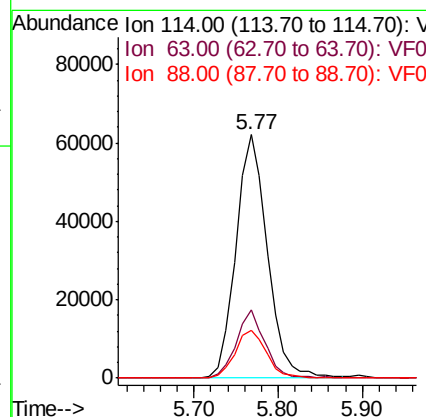
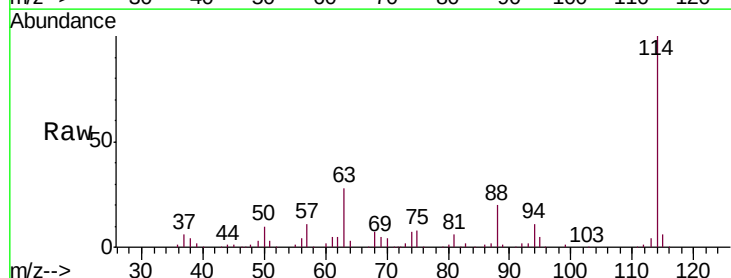
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

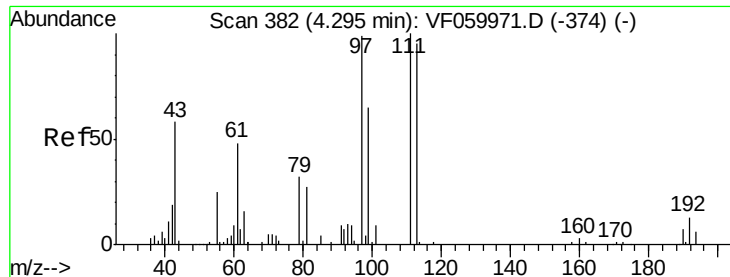
Tgt Ion: 65 Resp: 29425
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 84.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 114 Resp: 161770
 Ion Ratio Lower Upper
 114 100
 63 28.0 0.0 48.8
 88 19.5 0.0 39.6

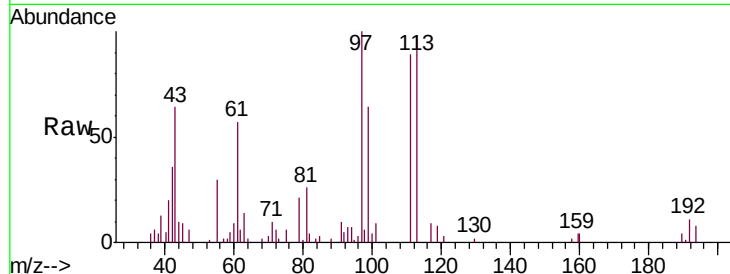




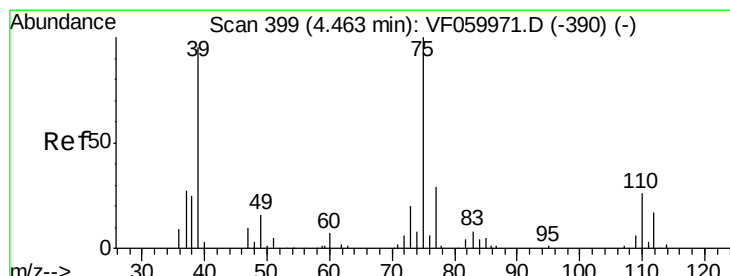
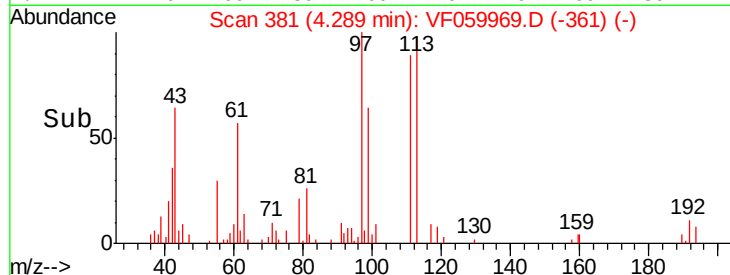
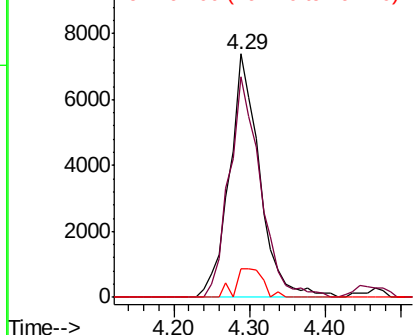
#35
 Dibromofluoromethane
 Concen: 12.358 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 113 Resp: 20315
 Ion Ratio Lower Upper
 113 100
 111 90.8 83.9 125.9
 192 11.5 11.3 16.9

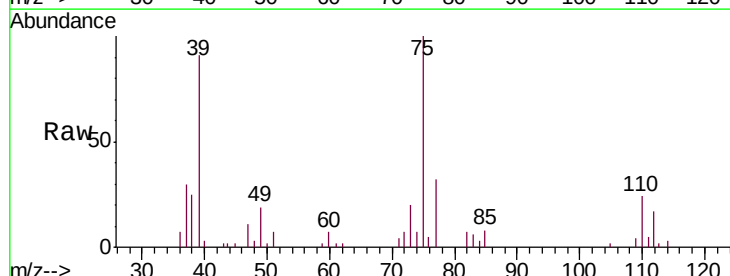


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

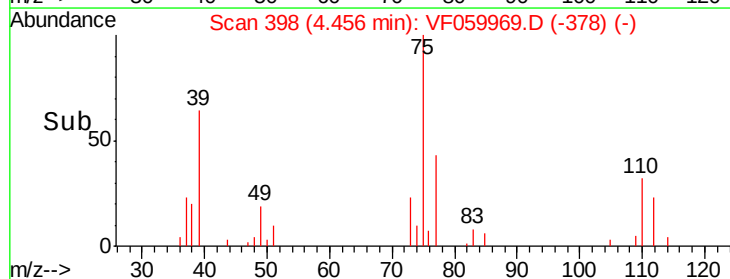
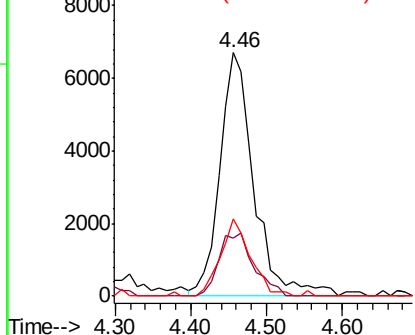


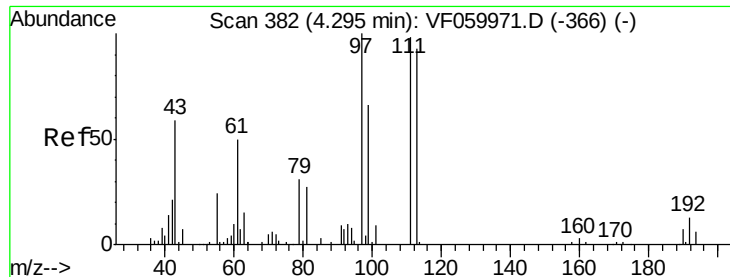
#36
 1,1-Dichloropropene
 Concen: 11.675 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 75 Resp: 20922
 Ion Ratio Lower Upper
 75 100
 110 23.9 13.1 39.3
 77 31.9 23.4 35.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.933 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

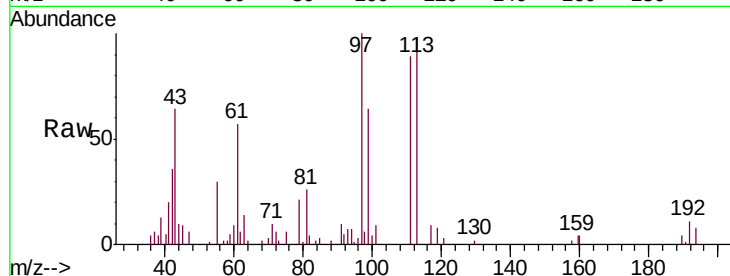
Tgt Ion: 43 Resp: 18309

Ion Ratio Lower Upper

43 100

61 88.4 67.0 100.4

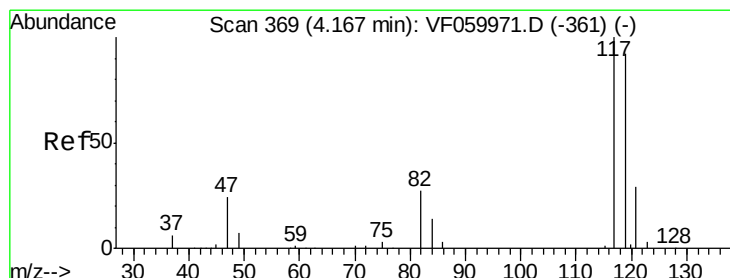
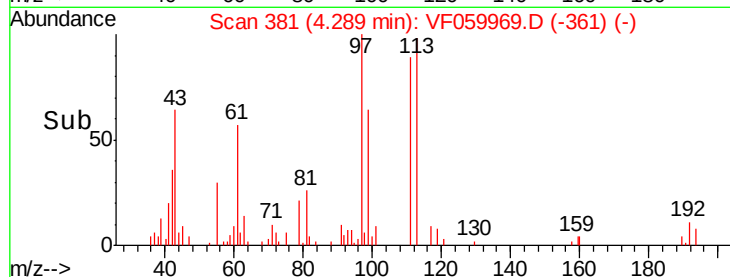
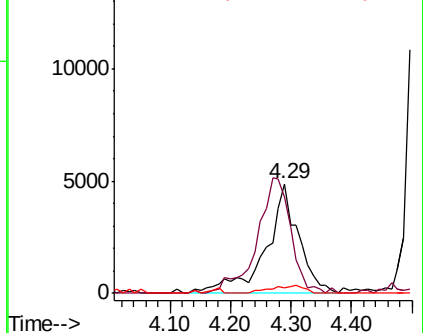
70 5.2 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 9.625 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

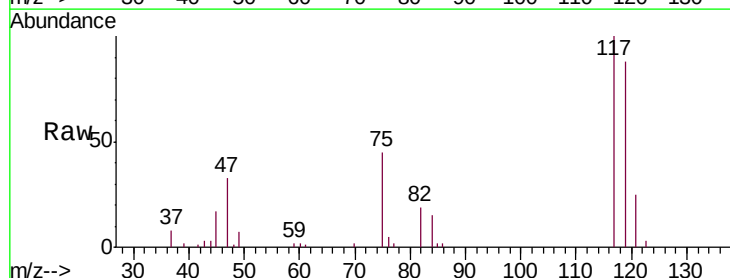
Tgt Ion: 117 Resp: 28004

Ion Ratio Lower Upper

117 100

119 88.0 73.6 110.4

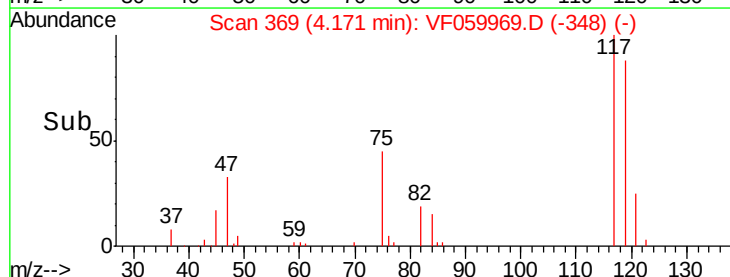
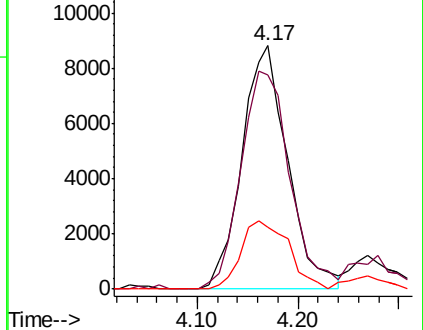
121 25.2 23.4 35.2

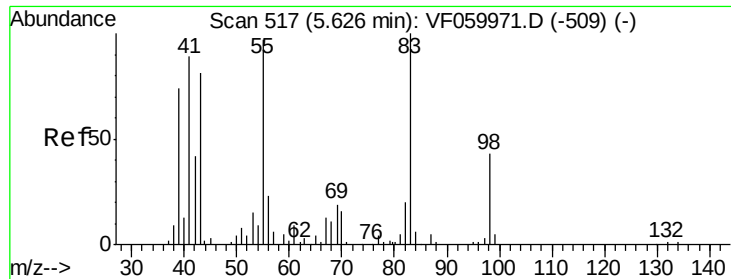


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

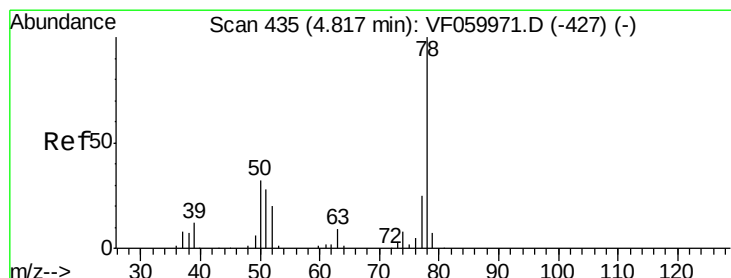
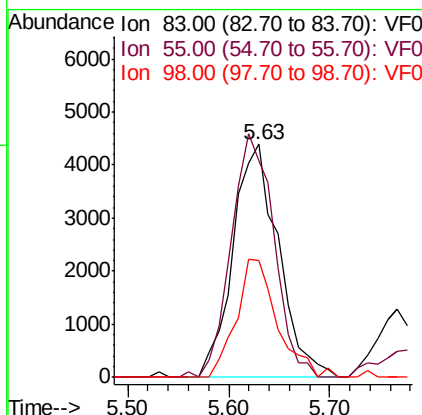
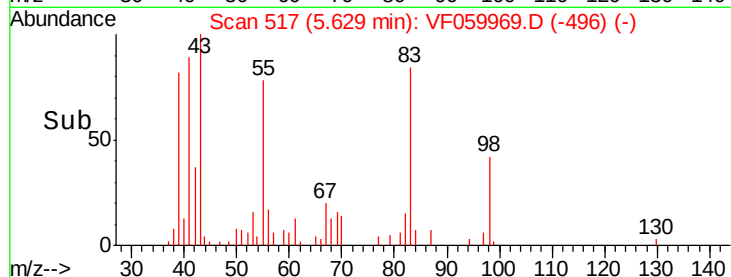
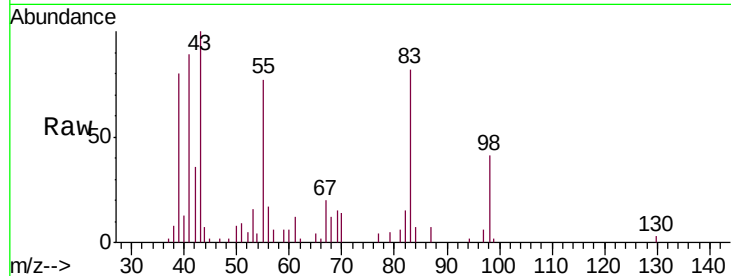




#39
Methylcyclohexane
Concen: 10.594 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

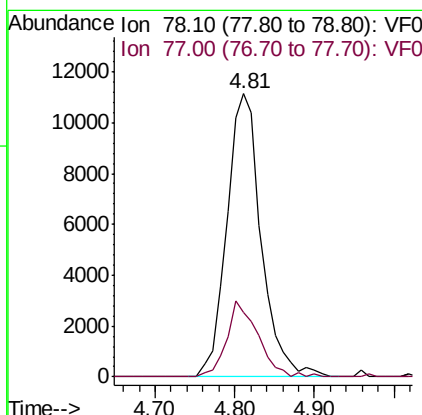
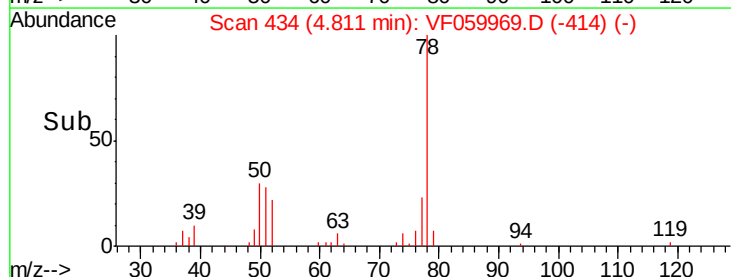
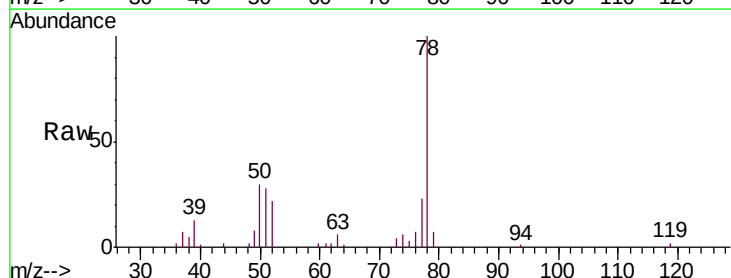
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

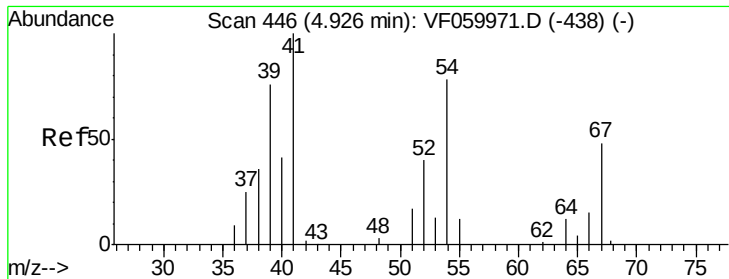
Tgt Ion: 83 Resp: 13773
Ion Ratio Lower Upper
83 100
55 93.1 77.7 116.5
98 50.1 34.2 51.4



#40
Benzene
Concen: 11.132 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion: 78 Resp: 33529
Ion Ratio Lower Upper
78 100
77 22.8 20.3 30.5





#41

Methacrylonitrile

Concen: 16.476 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 6860

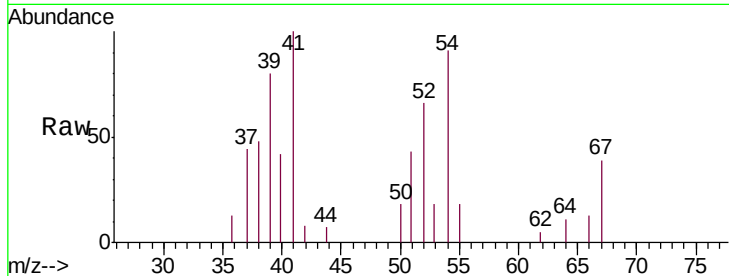
Ion Ratio Lower Upper

41 100

39 79.6 69.9 104.9

67 39.5 38.6 58.0

52 66.1 47.9 71.9



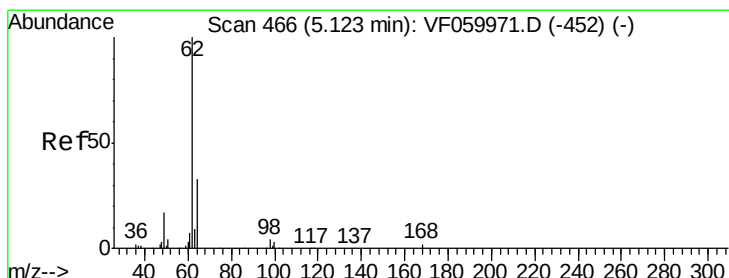
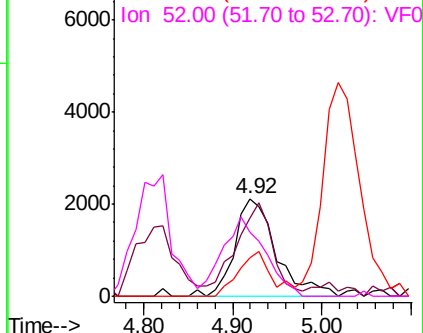
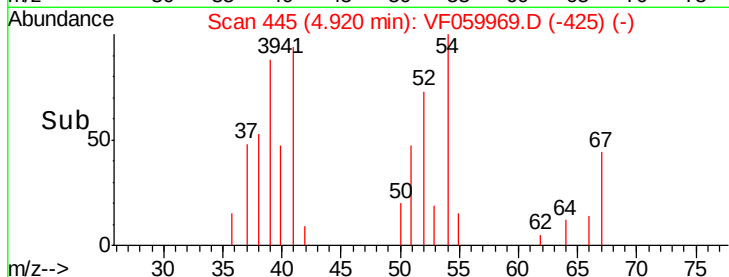
Abundance

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: 13.870 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF059969.D

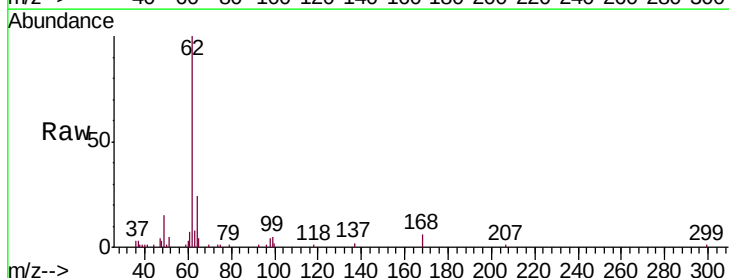
Acq: 16 Aug 2018 19:41

Tgt Ion: 62 Resp: 34366

Ion Ratio Lower Upper

62 100

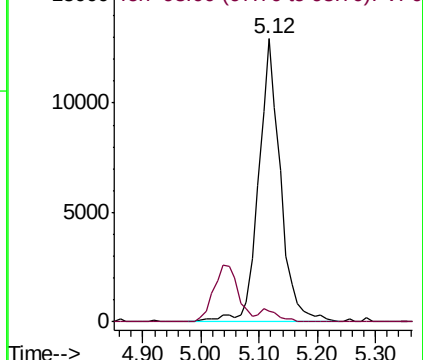
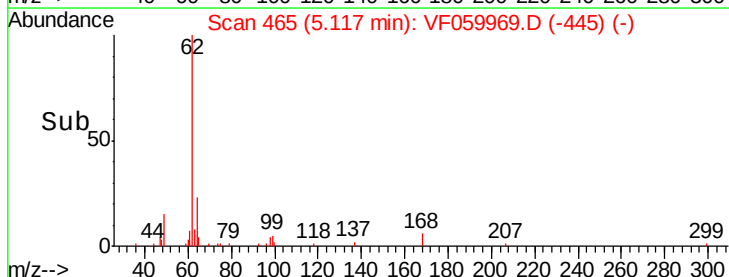
98 3.6 0.0 8.2

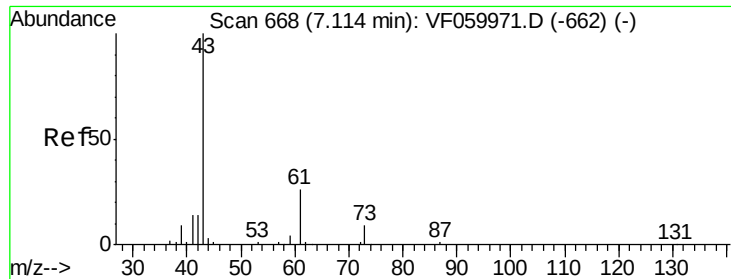


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 16.021 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

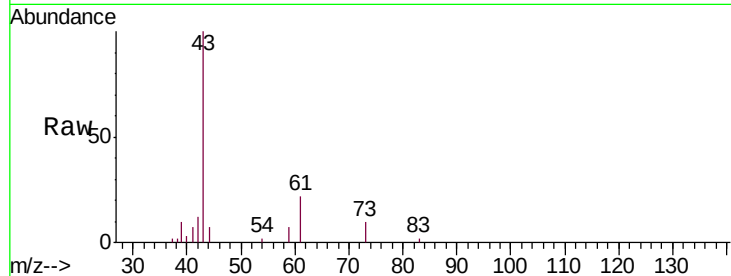
Tgt Ion: 43 Resp: 15305

Ion Ratio Lower Upper

43 100

61 22.4 20.8 31.2

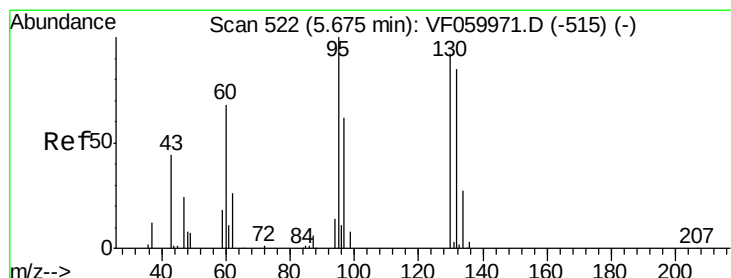
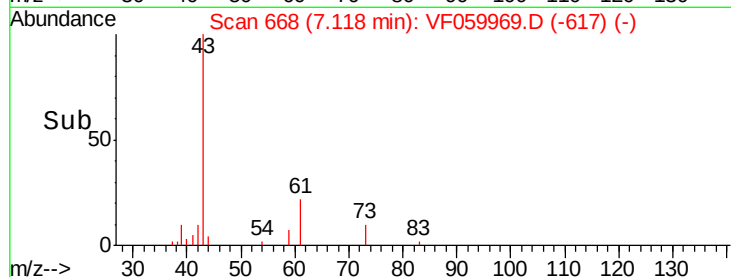
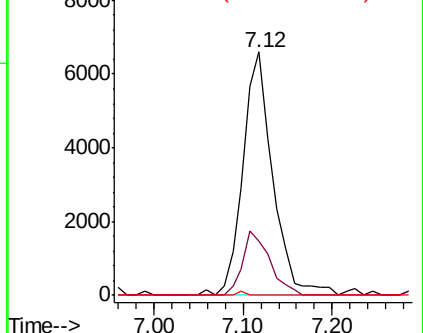
87 0.0 0.5 0.7#



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: 11.618 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF059969.D

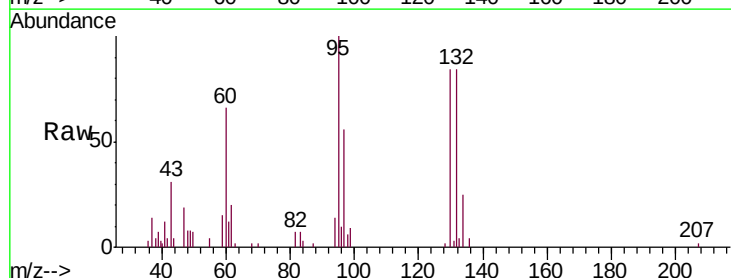
Acq: 16 Aug 2018 19:41

Tgt Ion: 130 Resp: 13567

Ion Ratio Lower Upper

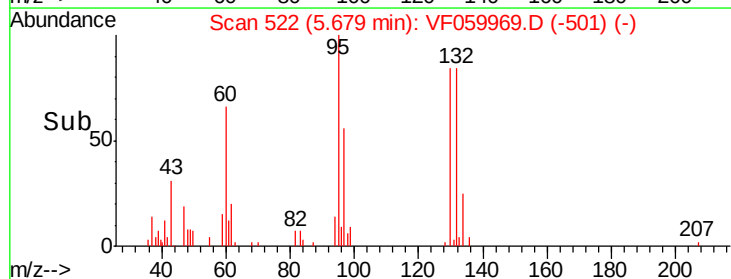
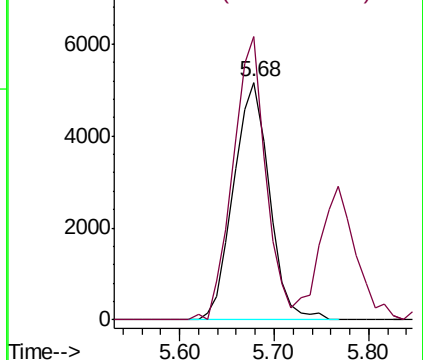
130 100

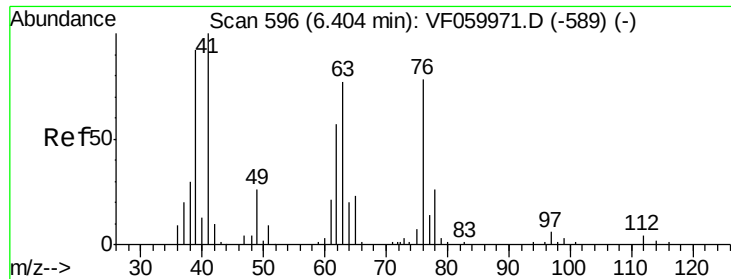
95 119.2 0.0 218.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

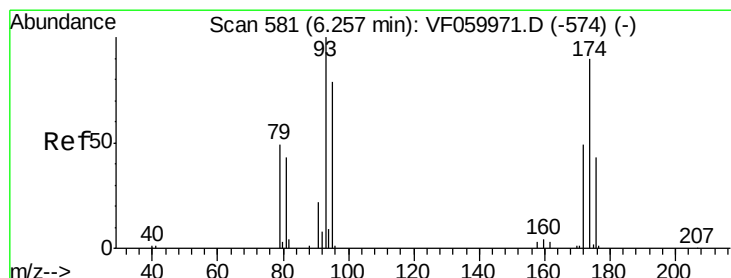
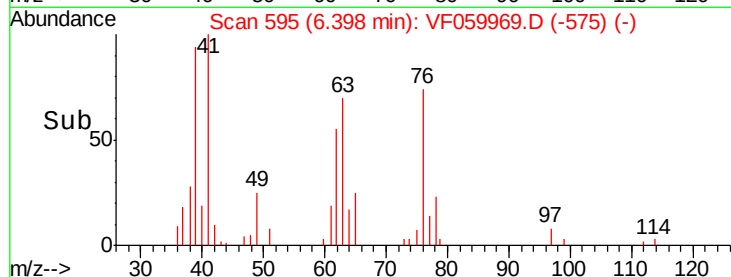
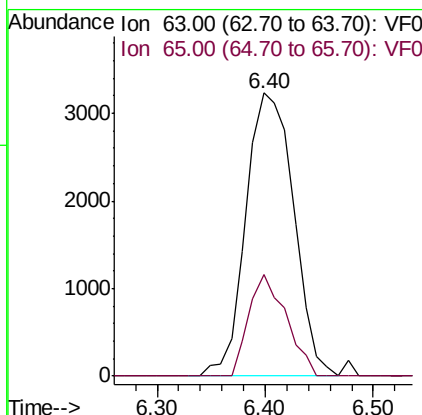
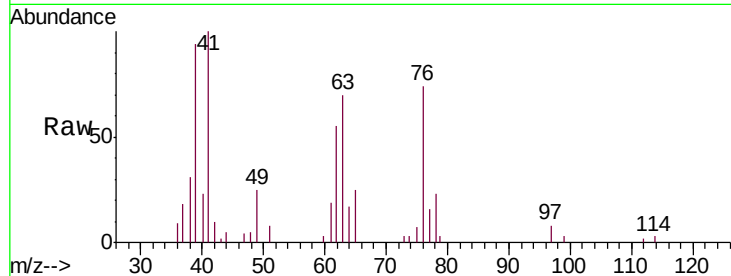




#45
 1,2-Dichloropropane
 Concen: 12.122 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

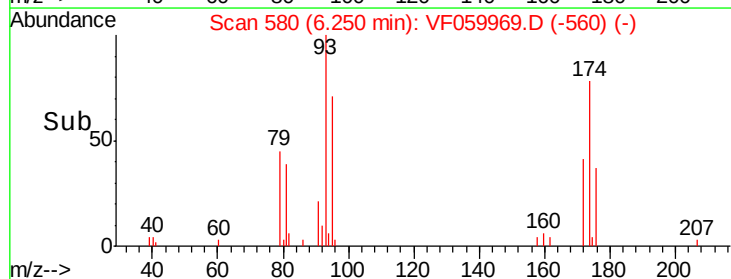
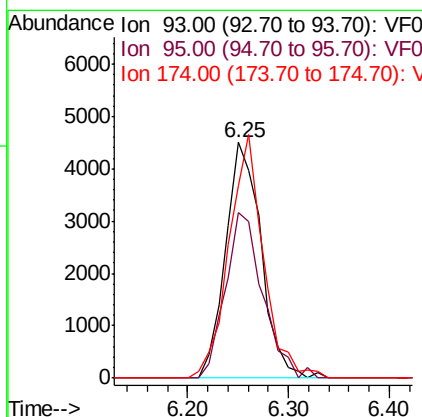
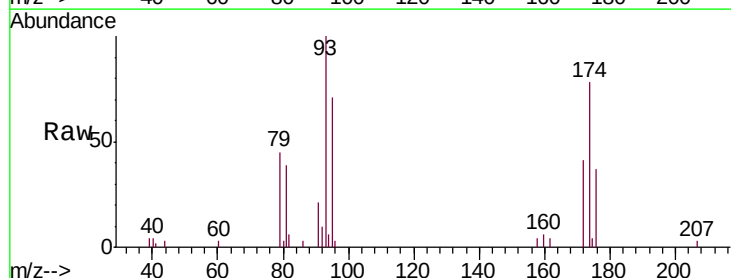
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

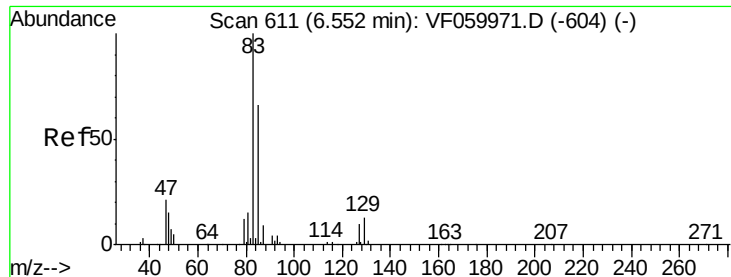
Tgt Ion: 63 Resp: 9905
 Ion Ratio Lower Upper
 63 100
 65 36.0 23.8 35.6#



#46
 Dibromomethane
 Concen: 13.330 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 93 Resp: 11037
 Ion Ratio Lower Upper
 93 100
 95 70.5 64.0 96.0
 174 81.7 71.8 107.8





#47

Bromodichloromethane

Concen: 11.609 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

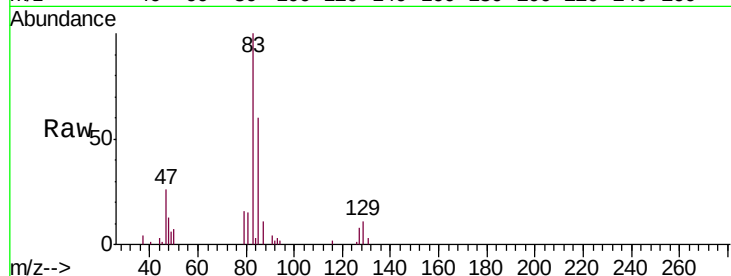
Tgt Ion: 83 Resp: 26978

Ion Ratio Lower Upper

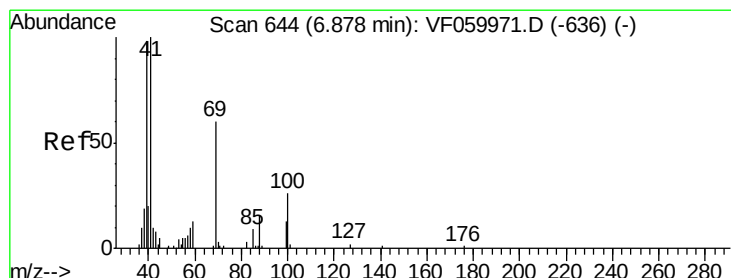
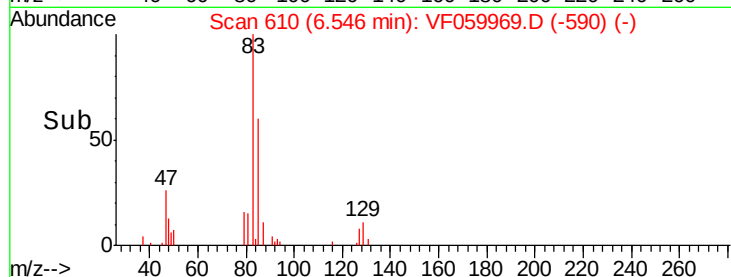
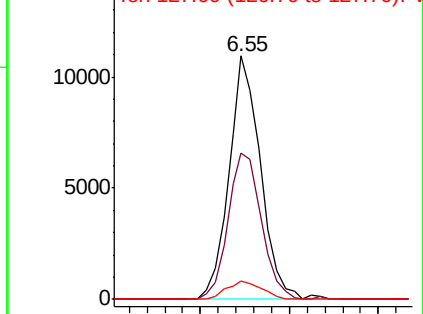
83 100

85 60.1 53.2 79.8

127 7.6 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: 14.149 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

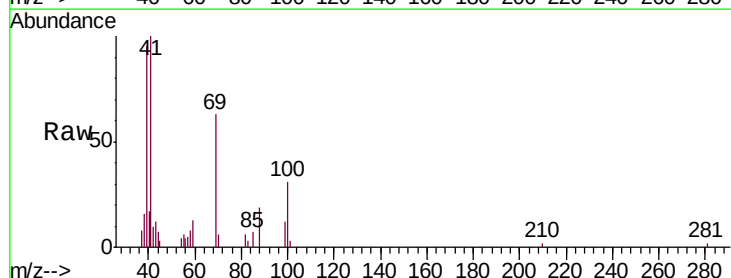
Tgt Ion: 41 Resp: 9928

Ion Ratio Lower Upper

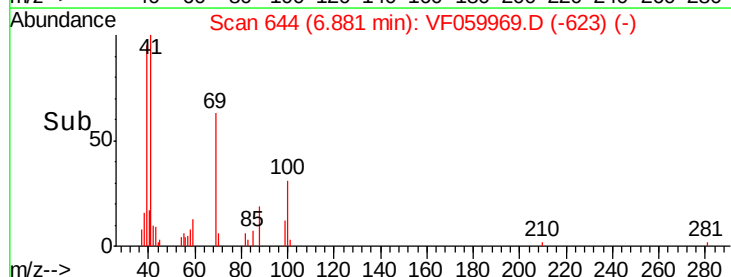
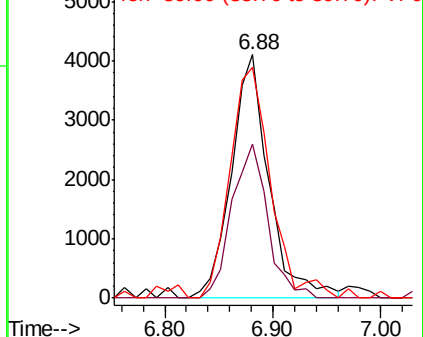
41 100

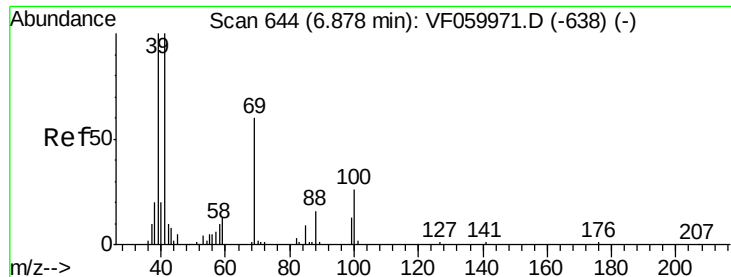
69 63.5 48.1 72.1

39 94.7 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

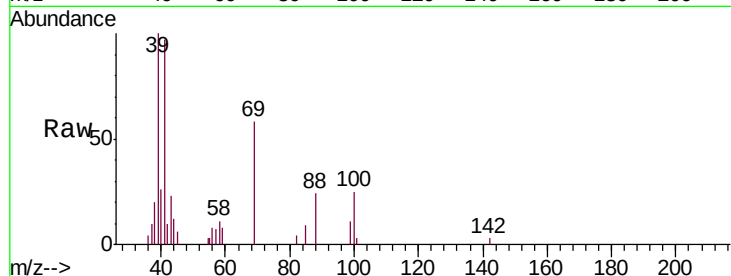




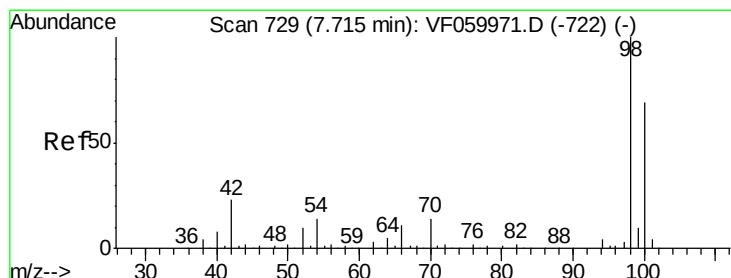
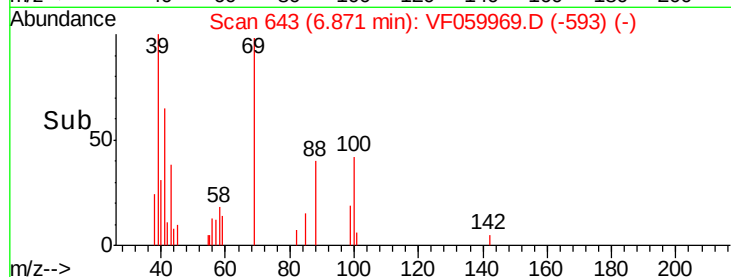
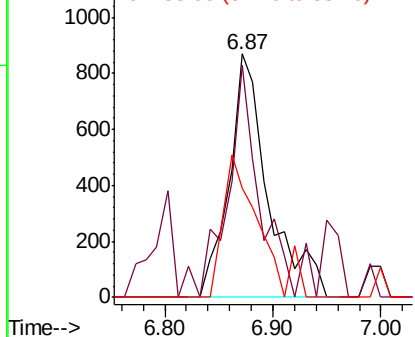
#49
1,4-Dioxane
Concen: 388.977 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 2203
Ion Ratio Lower Upper
88 100
43 95.5 45.3 67.9#
58 44.9 51.2 76.8#

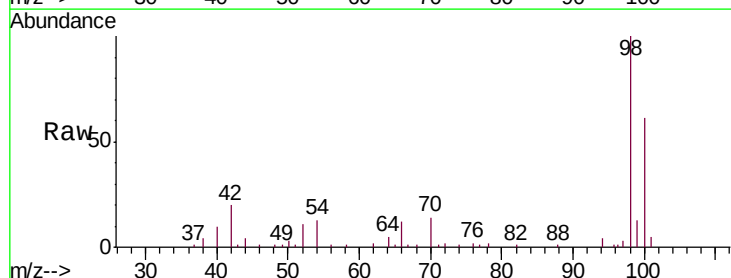


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

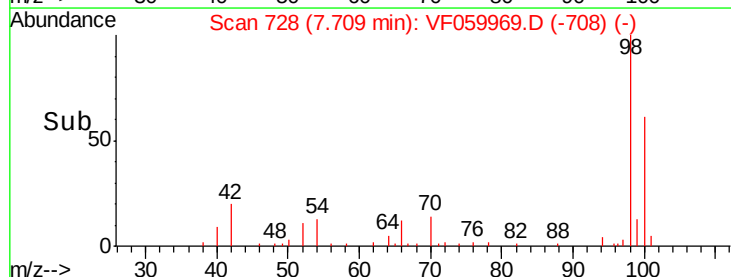
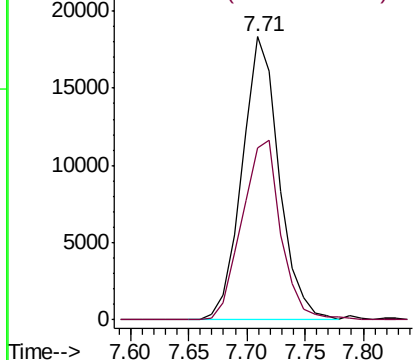


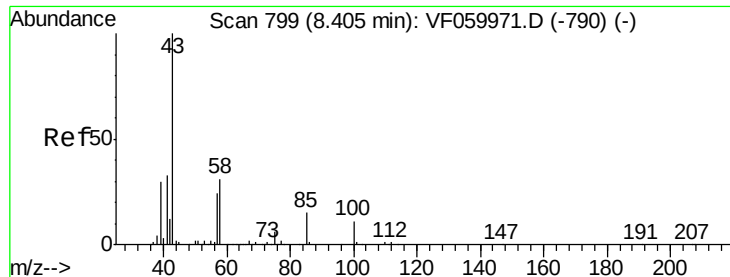
#50
Toluene-d8
Concen: 11.246 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion: 98 Resp: 40228
Ion Ratio Lower Upper
98 100
100 60.7 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 89.177 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

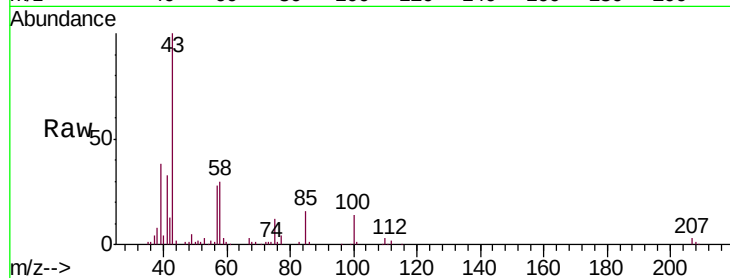
VSTDIC010

Tgt Ion: 43 Resp: 80937

Ion Ratio Lower Upper

43 100

58 30.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

30000

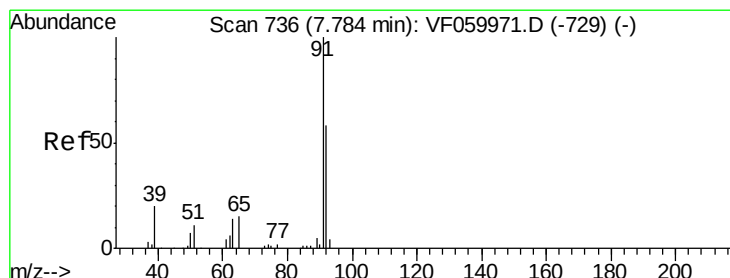
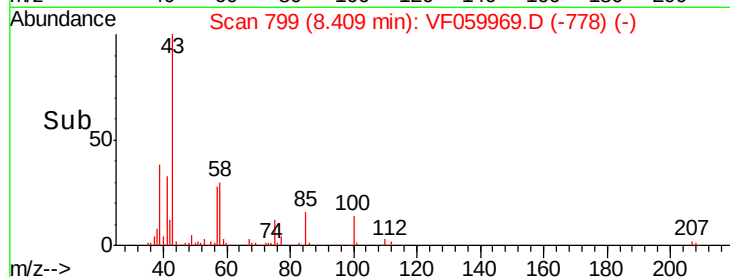
20000

10000

0

Time-->

8.30 8.40 8.50 8.60



#52

Toluene

Concen: 11.295 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059969.D

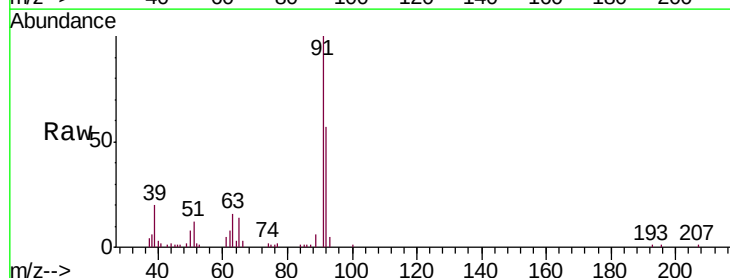
Acq: 16 Aug 2018 19:41

Tgt Ion: 92 Resp: 25472

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

20000

15000

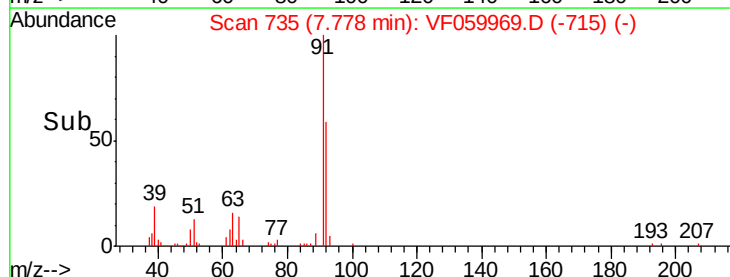
10000

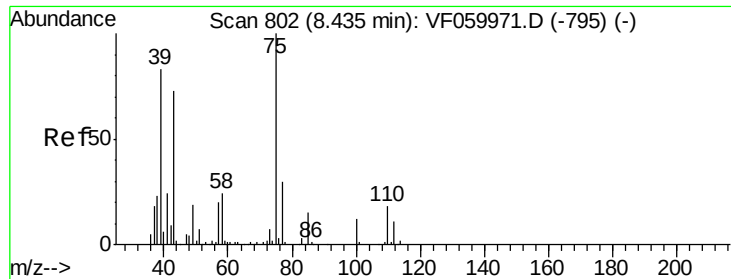
5000

0

Time-->

7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 12.700 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

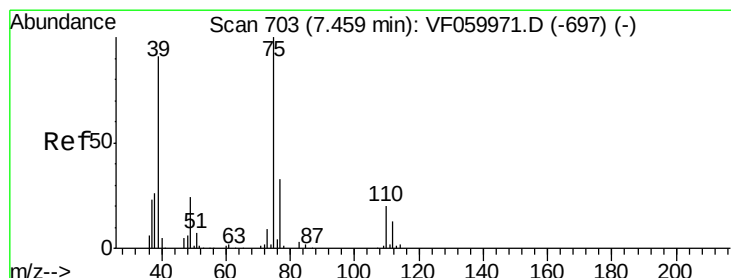
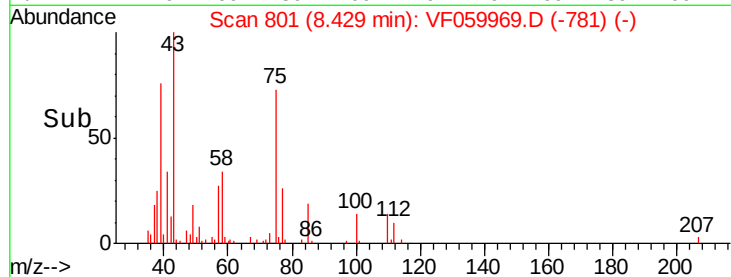
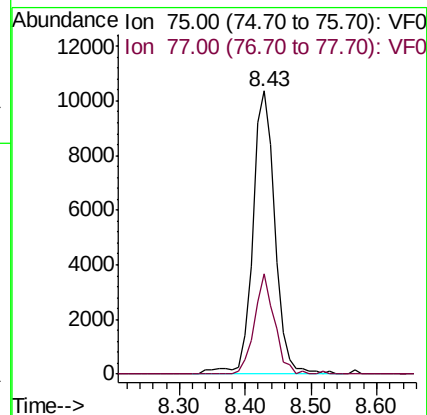
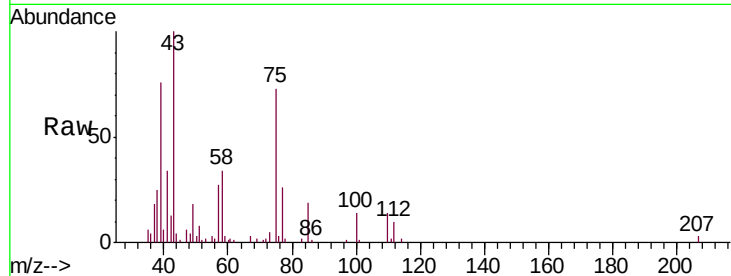
VSTDIC010

Tgt Ion: 75 Resp: 24505

Ion Ratio Lower Upper

75 100

77 35.5 23.5 35.3#



#54

cis-1,3-Dichloropropene

Concen: 11.488 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

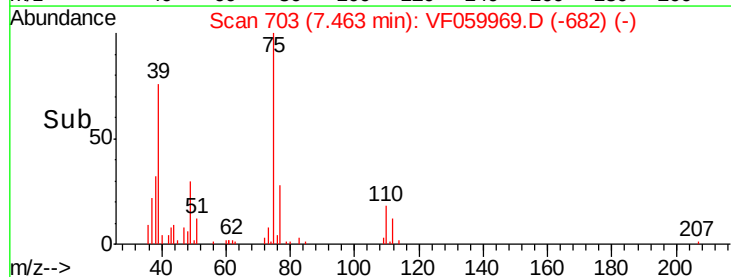
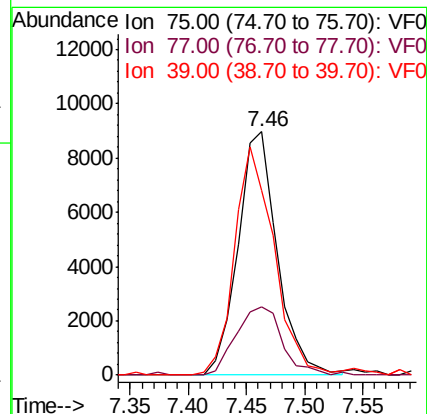
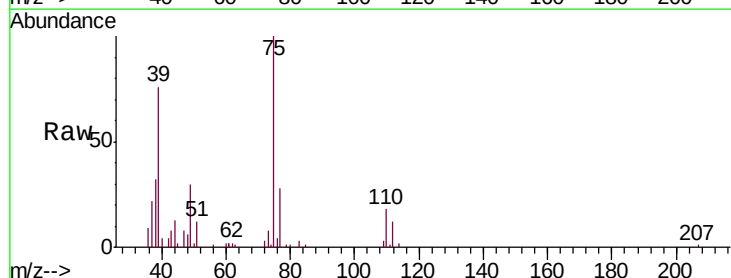
Tgt Ion: 75 Resp: 20977

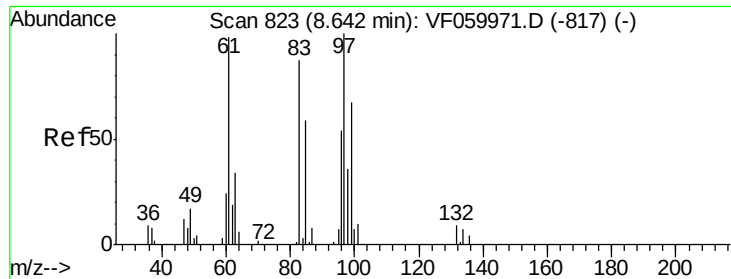
Ion Ratio Lower Upper

75 100

77 28.2 26.2 39.4

39 76.0 73.2 109.8





#55

1,1,2-Trichloroethane

Concen: 15.490 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 12639

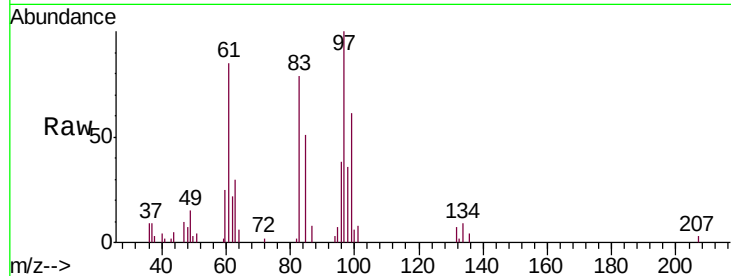
Ion Ratio Lower Upper

97 100

83 78.9 69.7 104.5

85 50.5 47.4 71.2

99 61.5 53.8 80.6

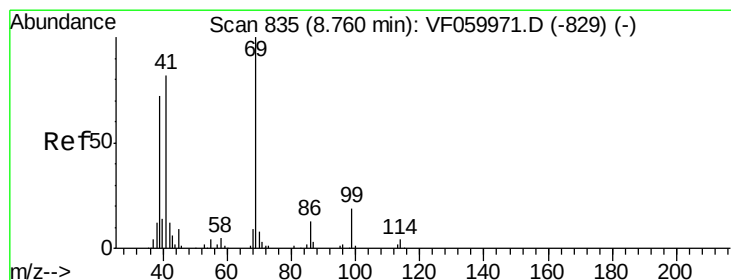
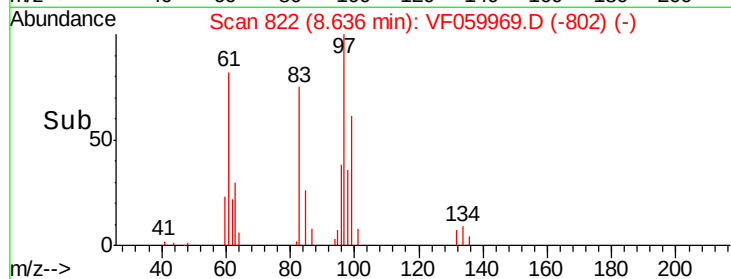
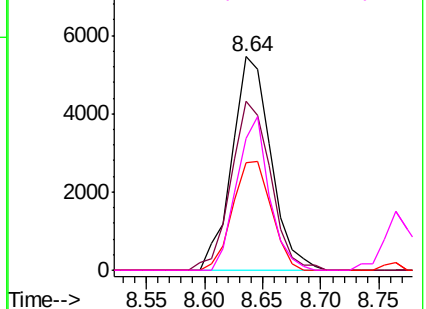


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 13.159 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

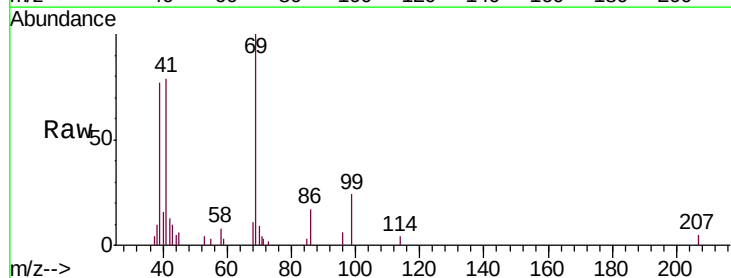
Tgt Ion: 69 Resp: 12007

Ion Ratio Lower Upper

69 100

41 78.7 65.6 98.4

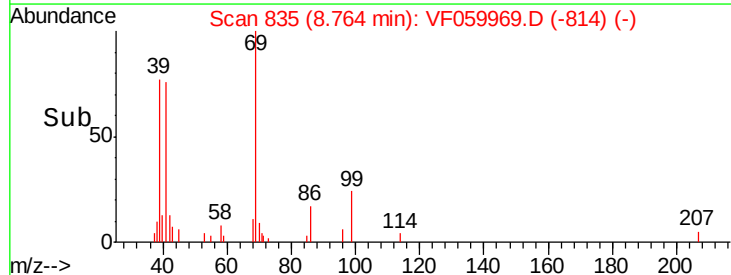
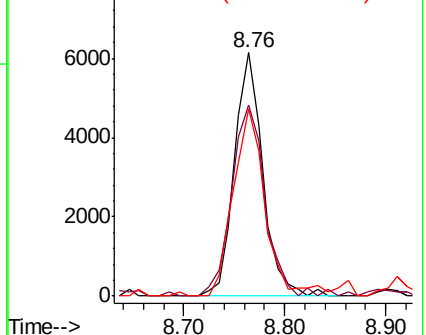
39 76.8 58.1 87.1

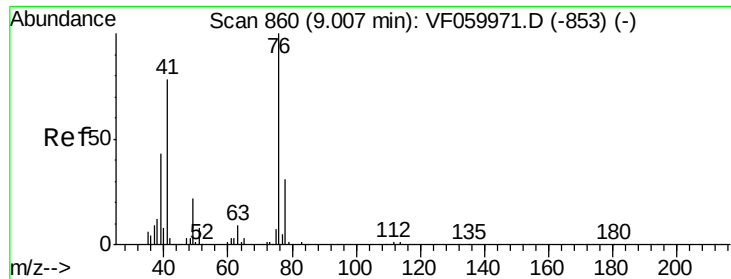


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 13.931 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

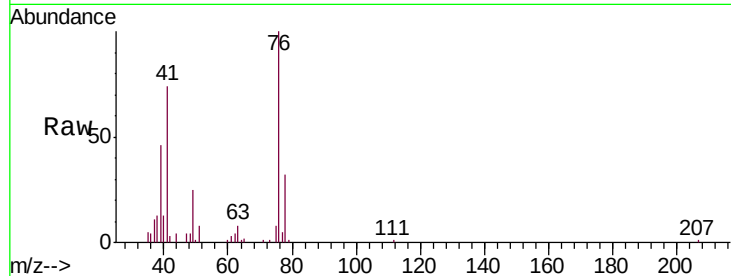
VSTDIC010

Tgt Ion: 76 Resp: 20824

Ion Ratio Lower Upper

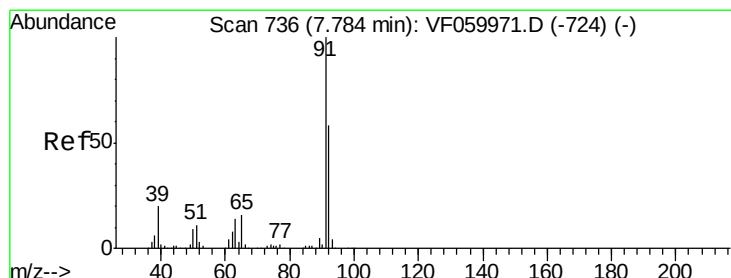
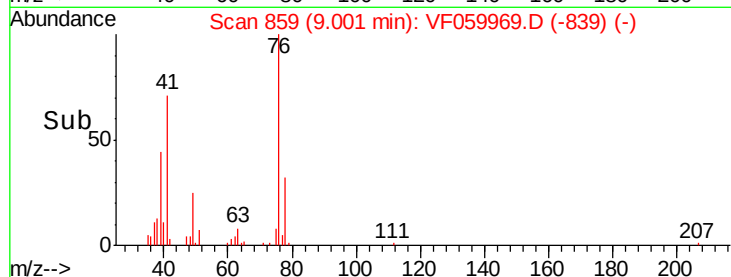
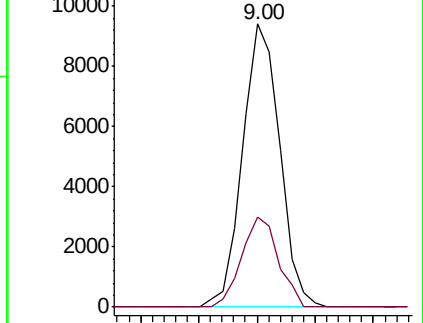
76 100

78 31.9 24.7 37.1



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 57.047 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059969.D

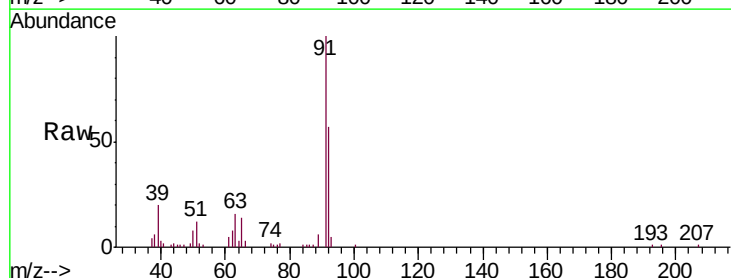
Acq: 16 Aug 2018 19:41

Tgt Ion: 63 Resp: 6343

Ion Ratio Lower Upper

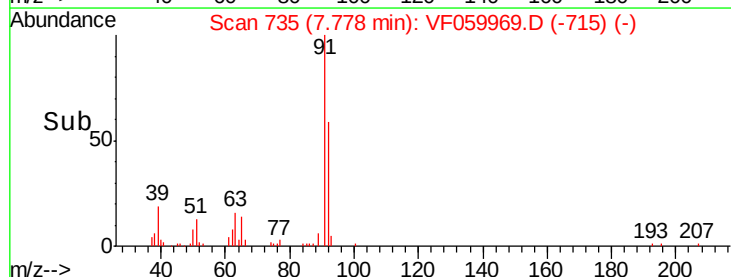
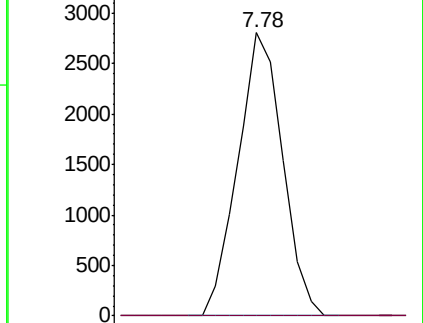
63 100

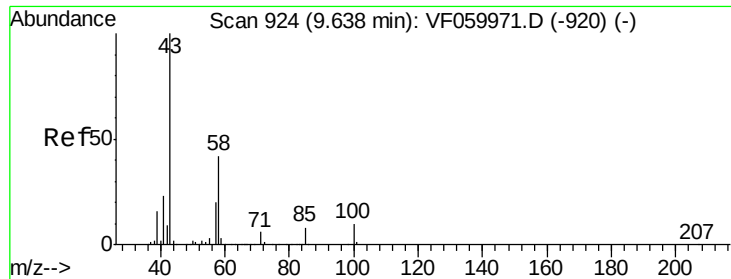
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

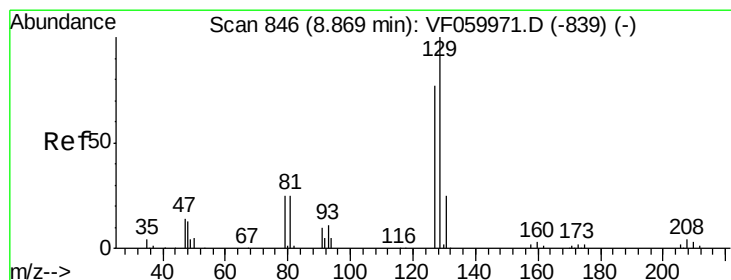
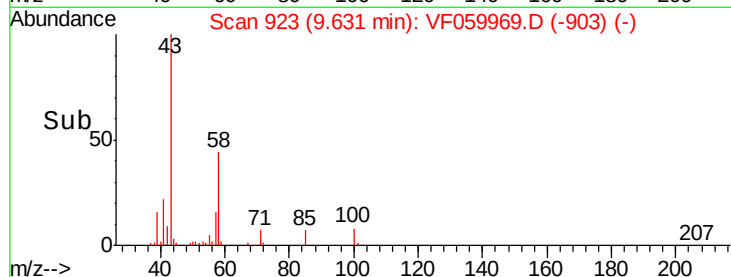
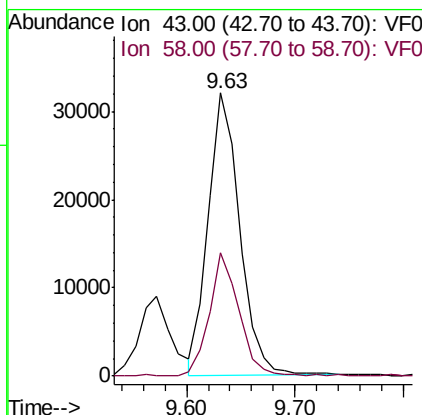
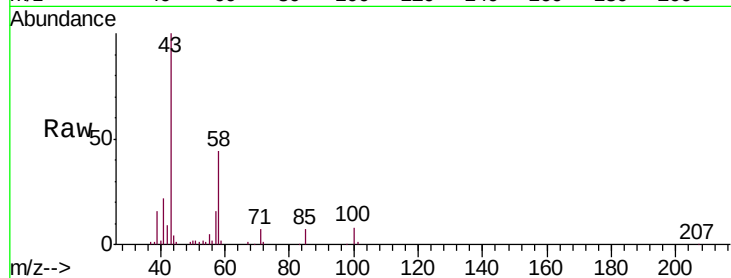




#59
2-Hexanone
Concen: 95.524 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

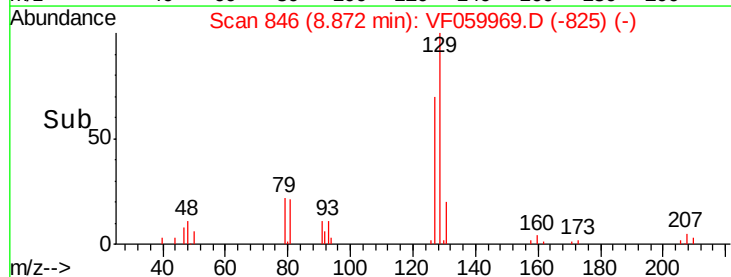
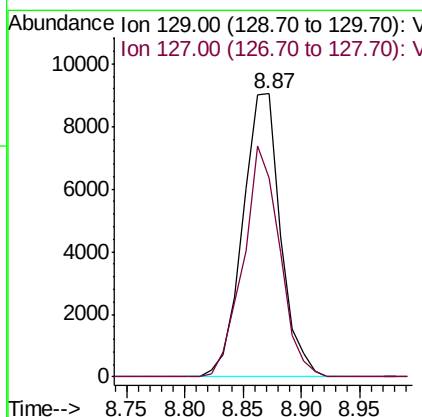
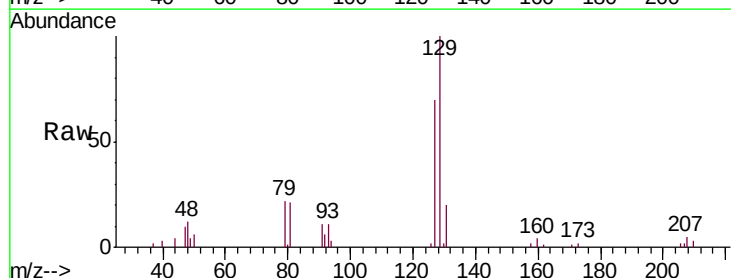
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

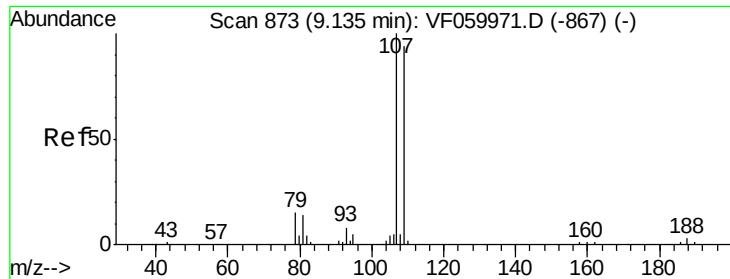
Tgt Ion: 43 Resp: 65167
Ion Ratio Lower Upper
43 100
58 43.7 19.8 59.3



#60
Dibromochloromethane
Concen: 12.879 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion: 129 Resp: 20402
Ion Ratio Lower Upper
129 100
127 70.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 14.650 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

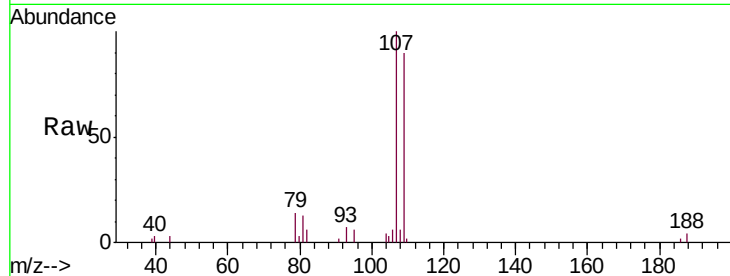
VSTDIC010

Tgt Ion: 107 Resp: 15127

Ion Ratio Lower Upper

107 100

109 89.8 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8000

6000

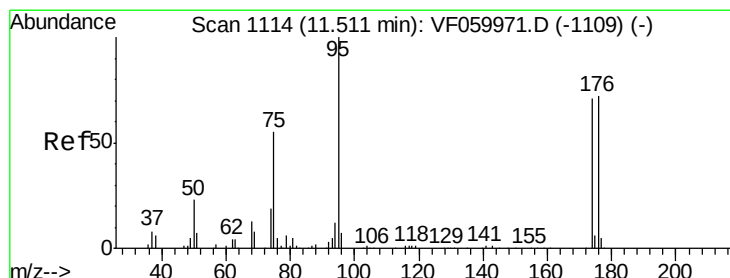
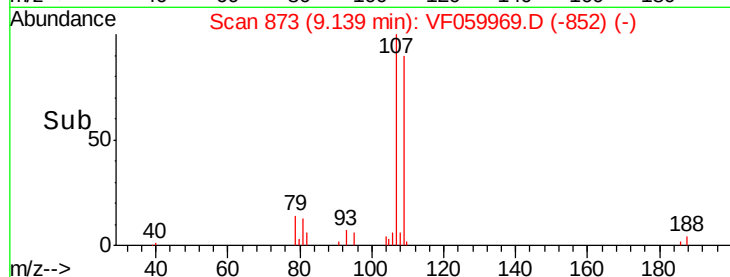
4000

2000

0

9.10 9.14 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 13.514 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

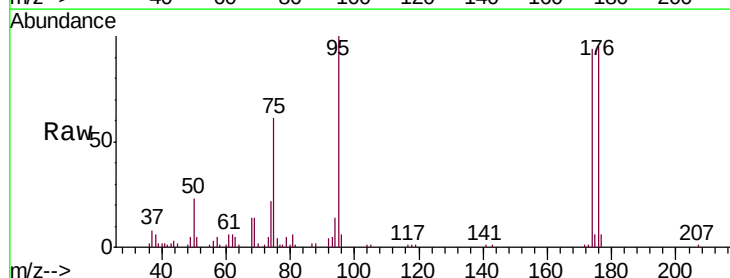
Tgt Ion: 95 Resp: 27377

Ion Ratio Lower Upper

95 100

174 93.6 0.0 142.8

176 95.0 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

20000

15000

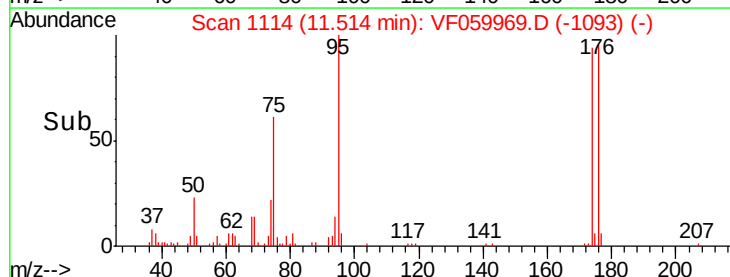
10000

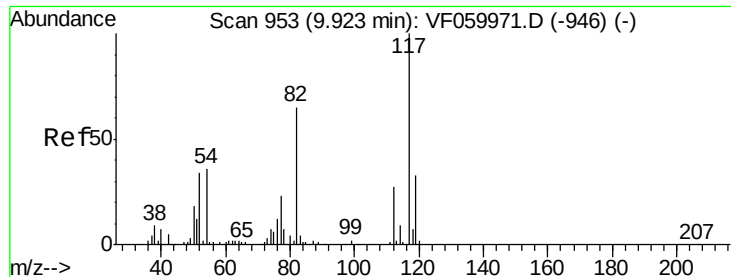
5000

0

11.40 11.51 11.60 11.70

Time-->

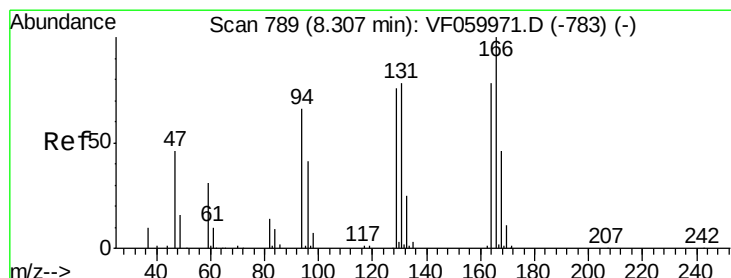
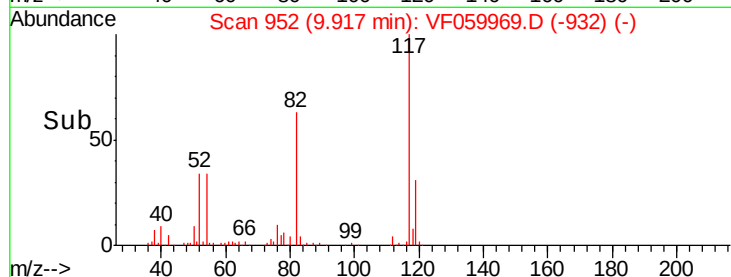
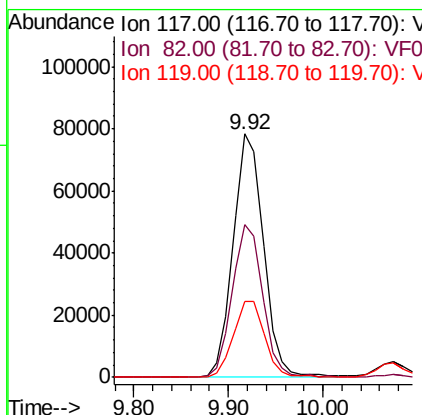
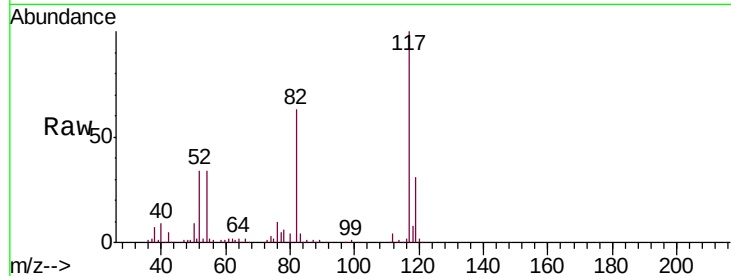




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

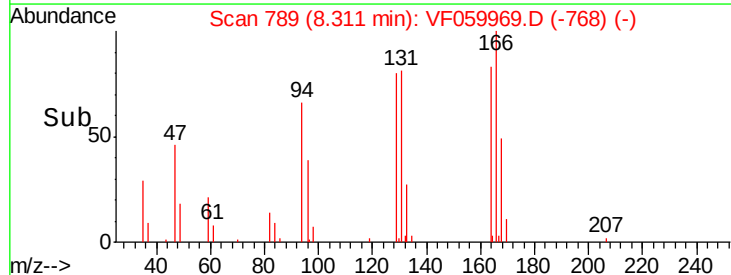
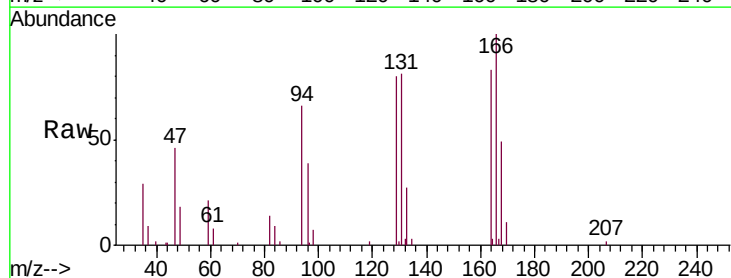
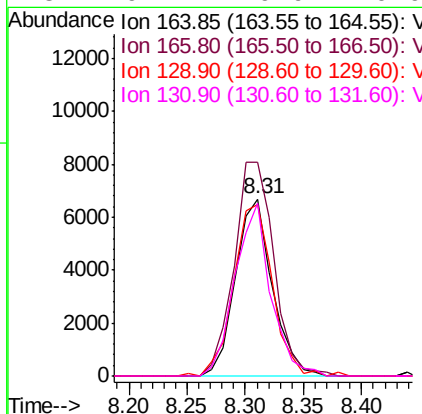
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

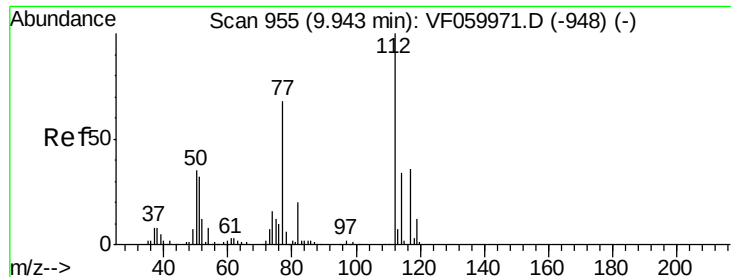
Tgt Ion:117 Resp: 174691
Ion Ratio Lower Upper
117 100
82 62.8 52.0 78.0
119 31.3 26.6 39.8



#64
Tetrachloroethene
Concen: 10.789 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion:164 Resp: 14637
Ion Ratio Lower Upper
164 100
166 116.2 102.2 153.2
129 93.2 77.8 116.6
131 94.1 79.9 119.9

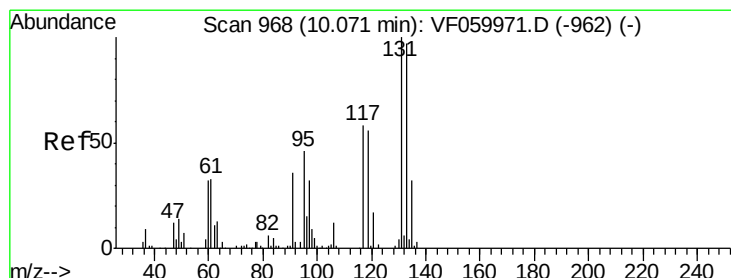
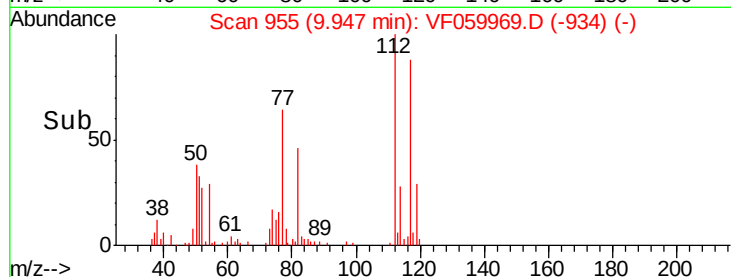
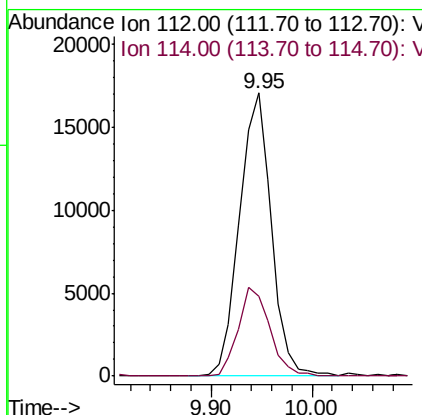
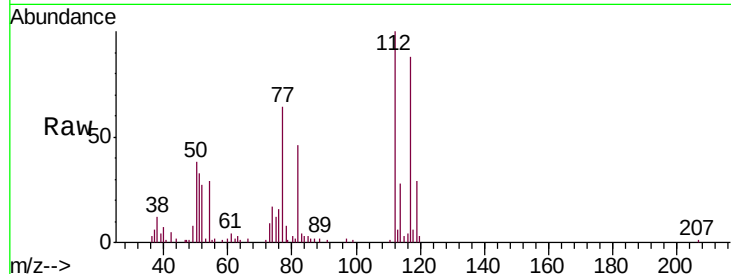




#65
Chlorobenzene
Concen: 11.182 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

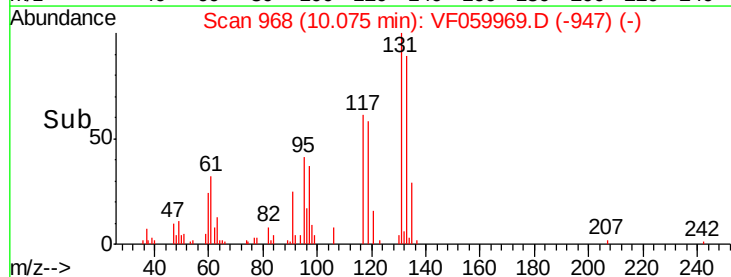
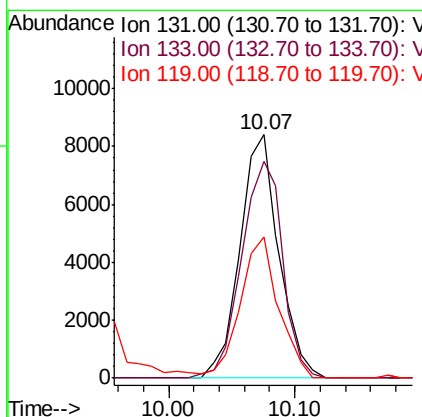
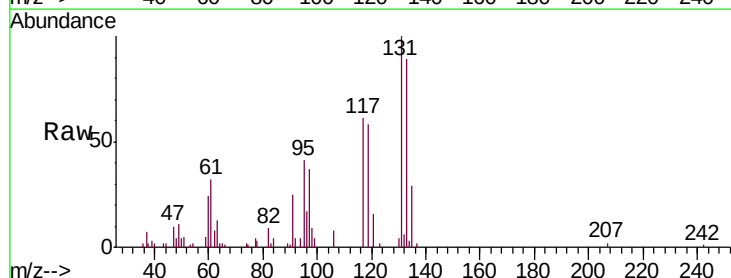
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

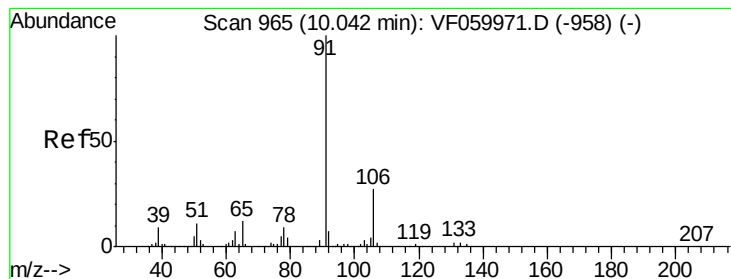
Tgt Ion:112 Resp: 37694
Ion Ratio Lower Upper
112 100
114 28.0 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 11.051 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion:131 Resp: 17969
Ion Ratio Lower Upper
131 100
133 89.1 48.5 145.6
119 57.8 28.4 85.2





#67

Ethyl Benzene

Concen: 11.696 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

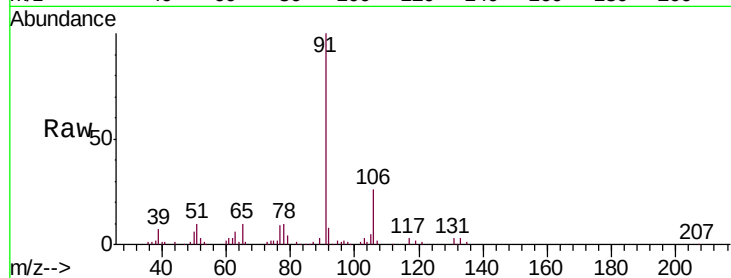
VSTDIC010

Tgt Ion: 91 Resp: 69831

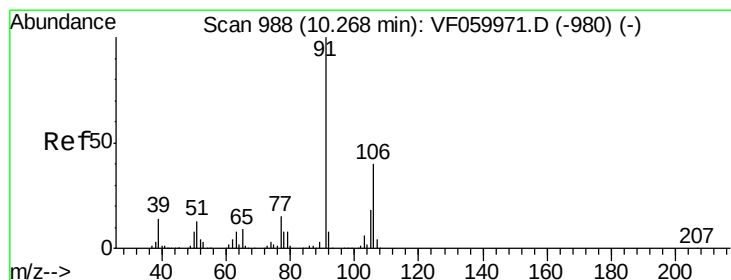
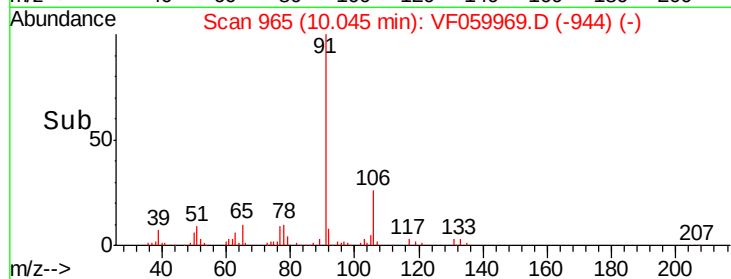
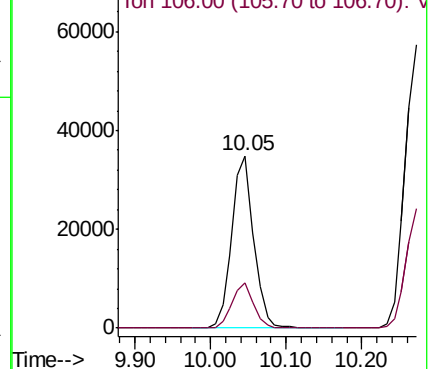
Ion Ratio Lower Upper

91 100

106 26.0 21.8 32.8



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 22.981 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059969.D

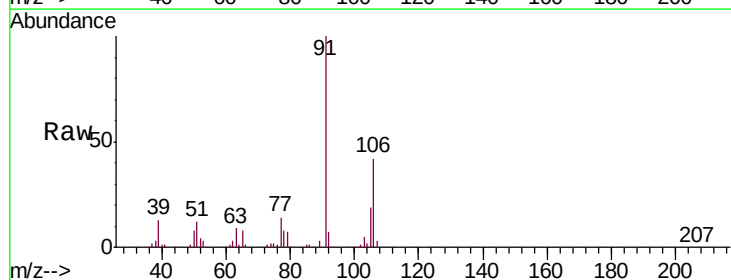
Acq: 16 Aug 2018 19:41

Tgt Ion: 106 Resp: 46237

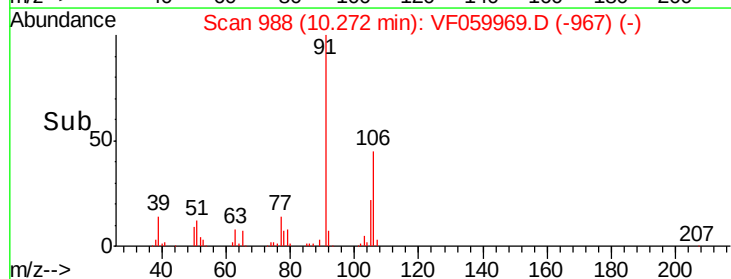
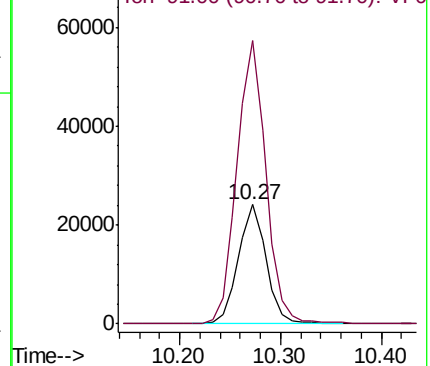
Ion Ratio Lower Upper

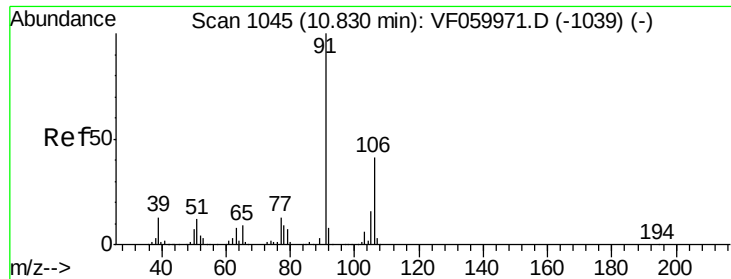
106 100

91 237.6 198.0 297.0



Abundance Ion 106.00 (105.70 to 106.70): V

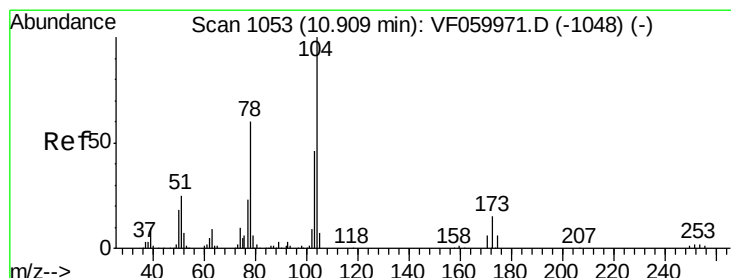
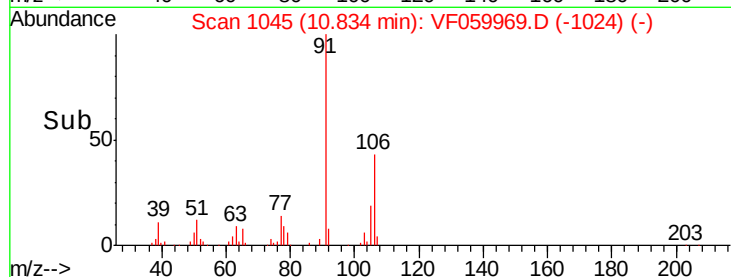
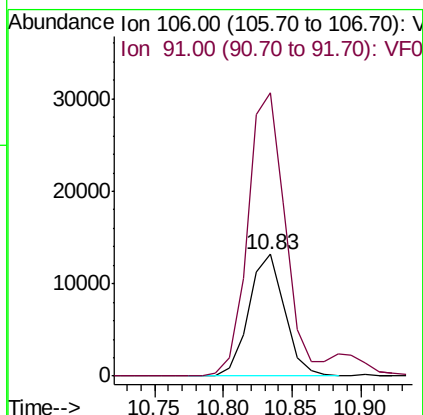
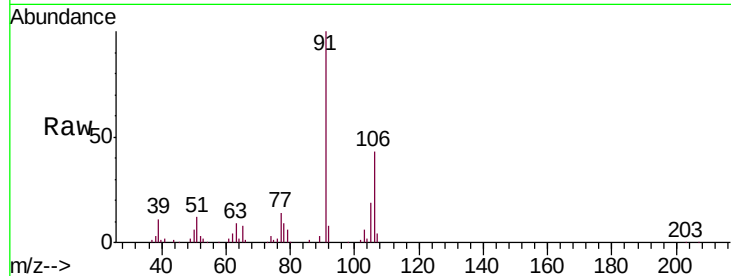




#69
o-Xylene
Concen: 10.950 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

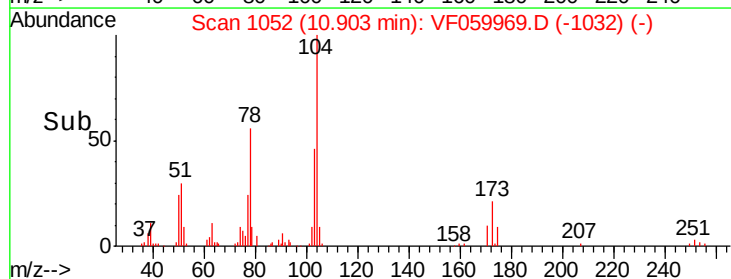
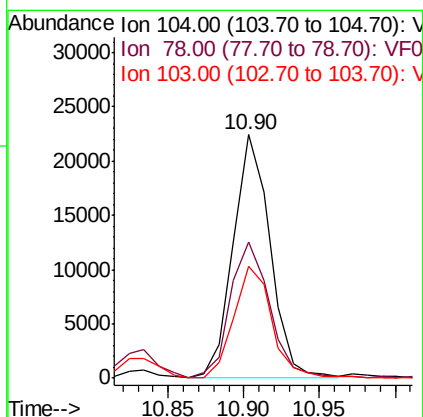
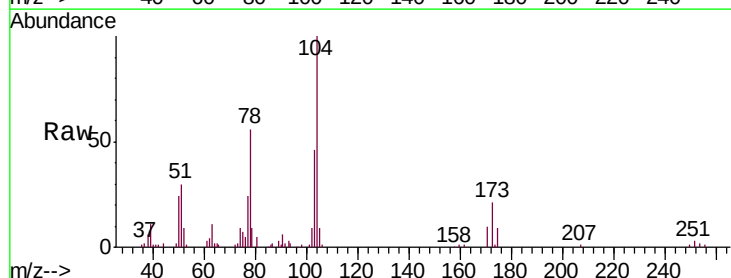
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

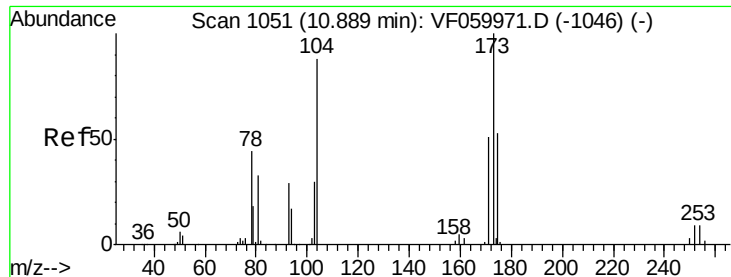
Tgt Ion:106 Resp: 23884
Ion Ratio Lower Upper
106 100
91 232.7 121.9 365.7



#70
Styrene
Concen: 11.643 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059969.D
Acq: 16 Aug 2018 19:41

Tgt Ion:104 Resp: 38102
Ion Ratio Lower Upper
104 100
78 56.1 49.0 73.4
103 45.8 37.5 56.3





#71

Bromoform

Concen: 13.019 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

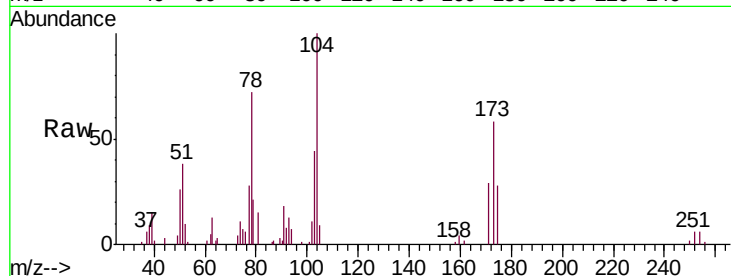
Tgt Ion:173 Resp: 13973

Ion Ratio Lower Upper

173 100

175 48.0 26.3 78.8

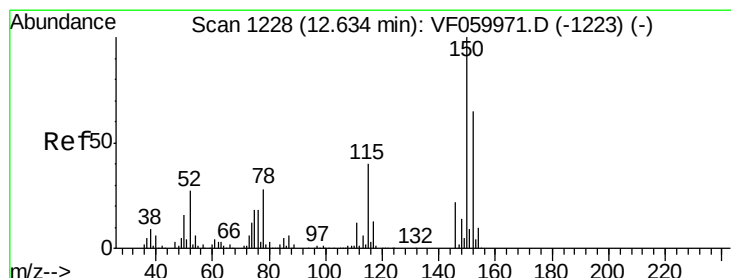
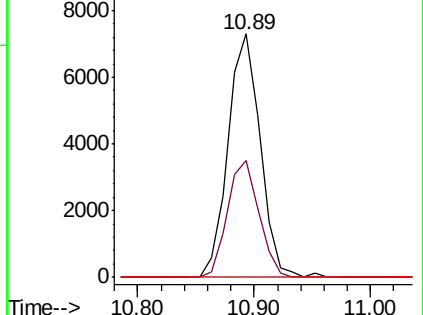
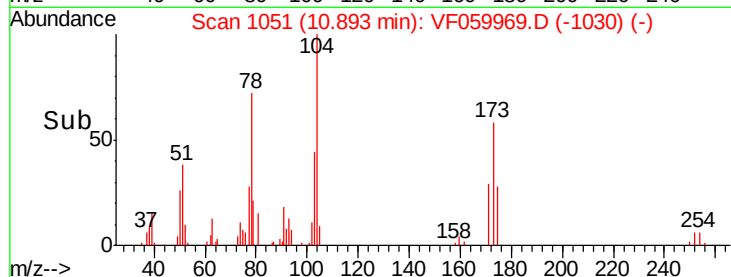
254 0.0 0.0 0.0



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: VF059969.D

Acq: 16 Aug 2018 19:41

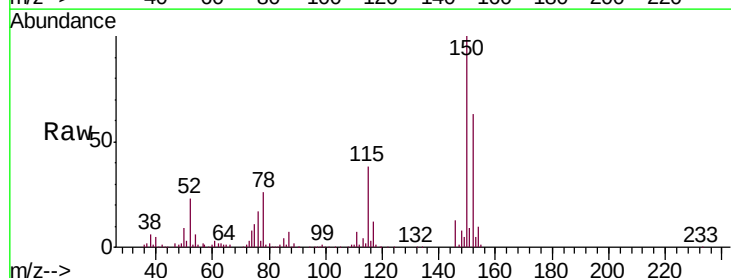
Tgt Ion:152 Resp: 125767

Ion Ratio Lower Upper

152 100

115 60.9 30.6 92.0

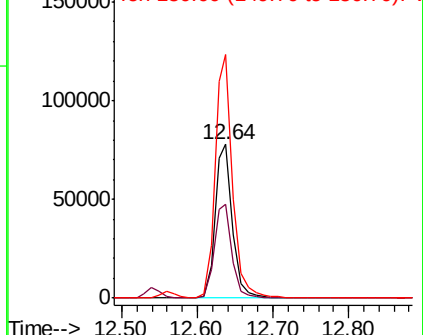
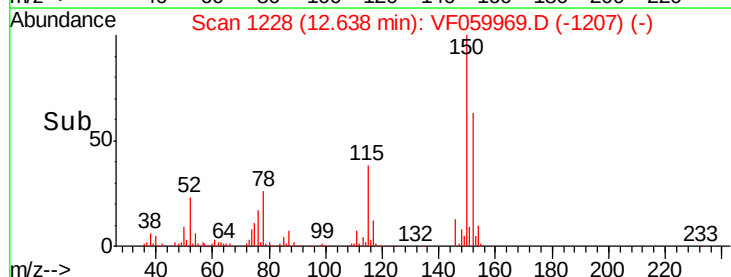
150 158.7 0.0 308.2

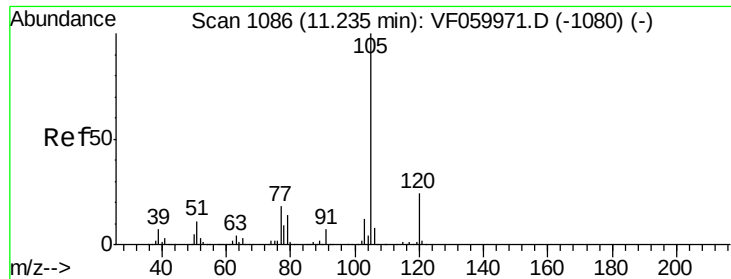


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 9.594 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

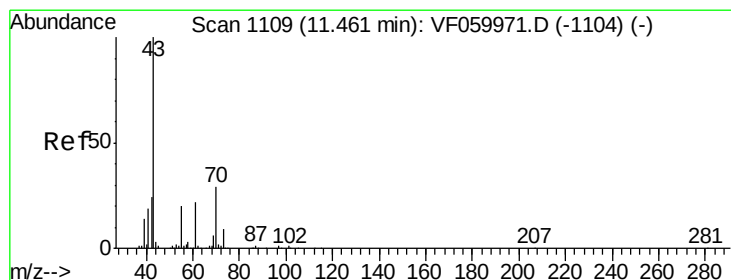
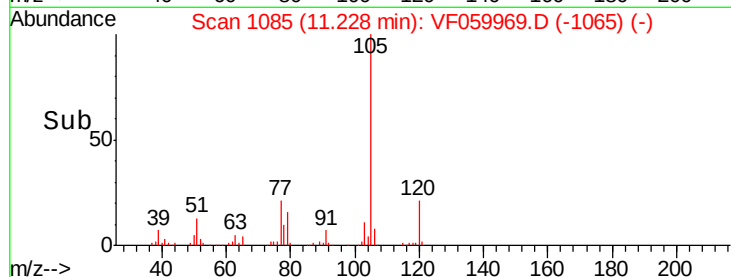
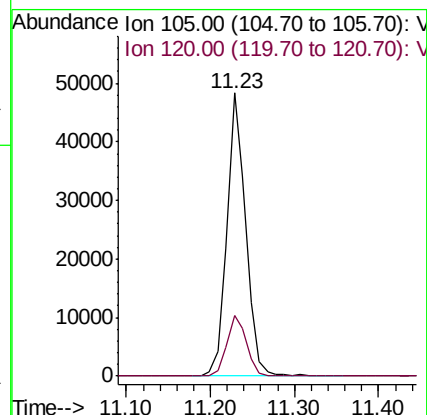
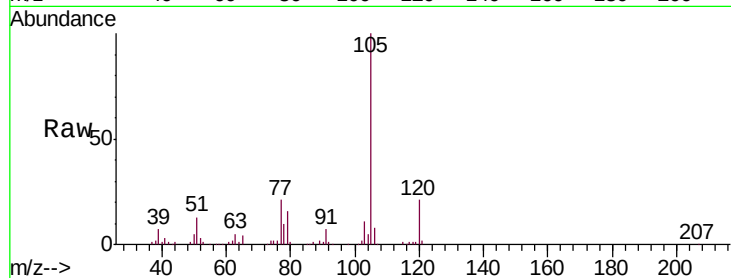
VSTDIC010

Tgt Ion:105 Resp: 74602

Ion Ratio Lower Upper

105 100

120 21.3 11.9 35.5



#74

N-ethyl acetate

Concen: 13.297 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Tgt Ion: 43 Resp: 25061

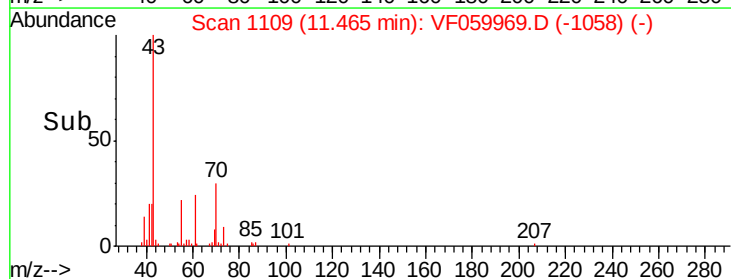
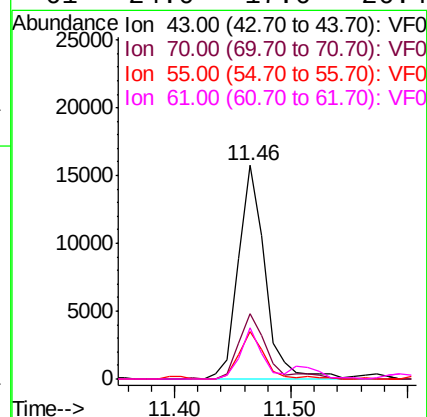
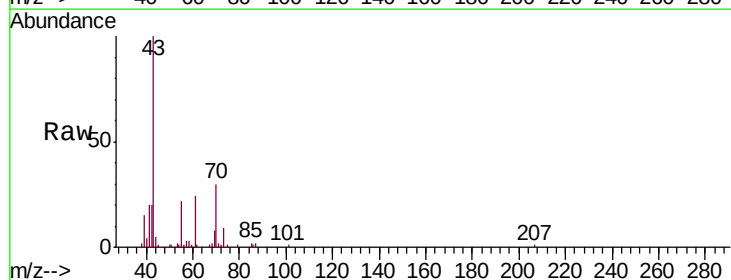
Ion Ratio Lower Upper

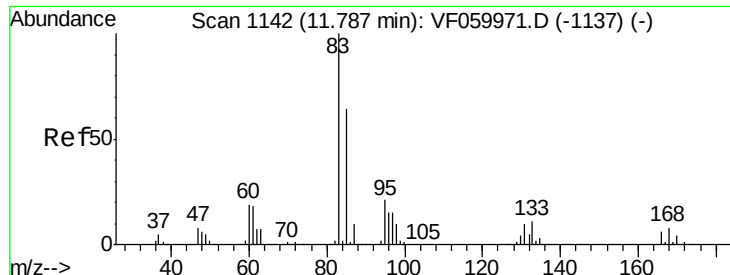
43 100

70 30.4 23.2 34.8

55 22.3 15.8 23.8

61 24.0 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 13.383 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

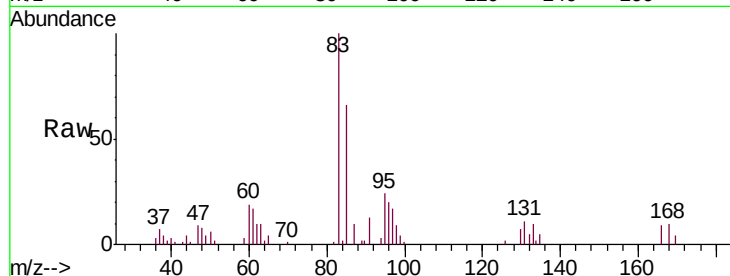
Tgt Ion: 83 Resp: 18842

Ion Ratio Lower Upper

83 100

131 11.5 5.1 15.4

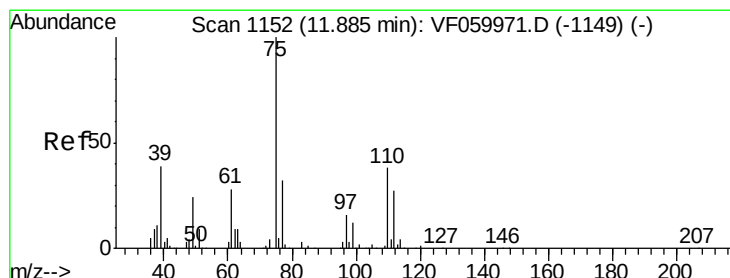
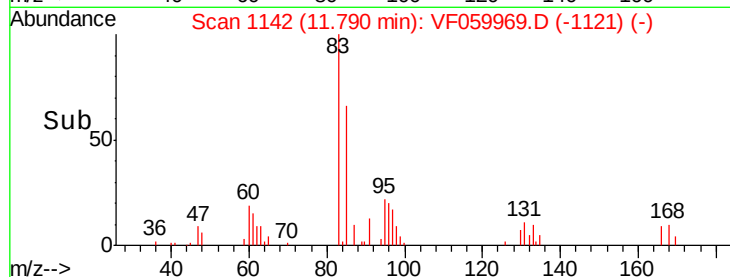
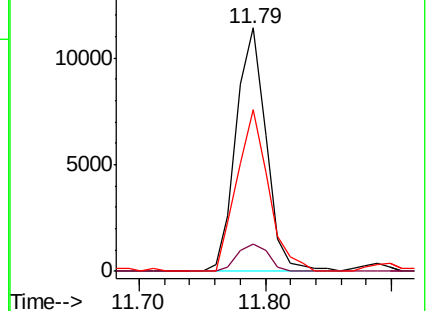
85 66.2 32.3 96.9



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: 13.758 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059969.D

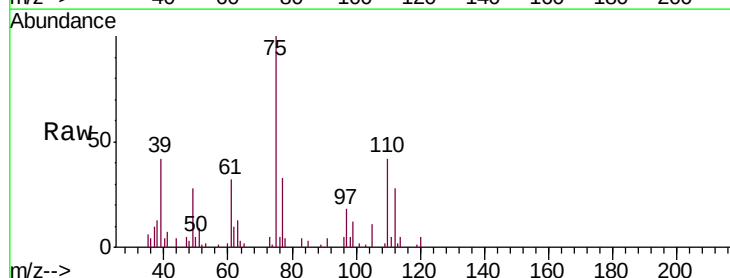
Acq: 16 Aug 2018 19:41

Tgt Ion: 75 Resp: 16796

Ion Ratio Lower Upper

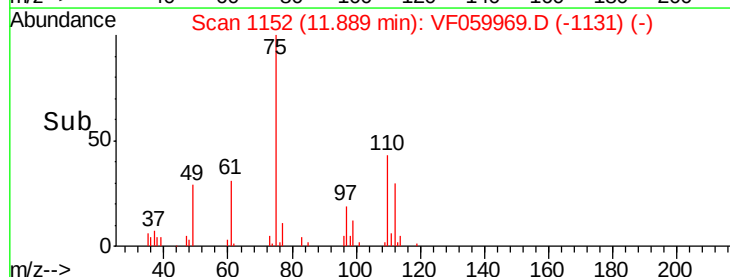
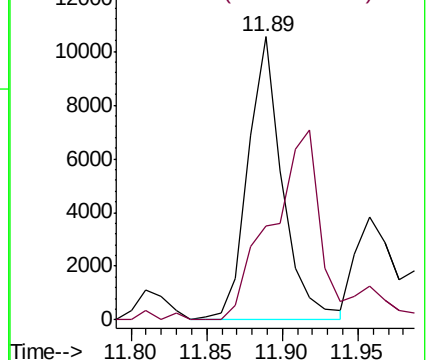
75 100

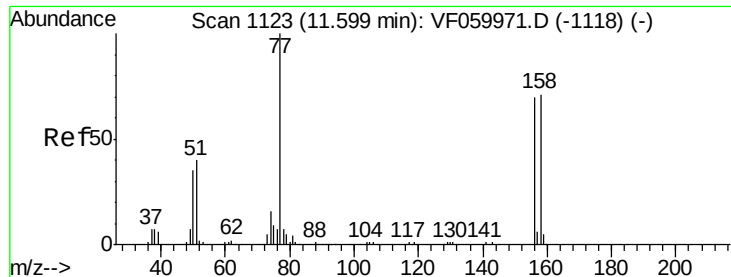
77 33.4 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.495 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

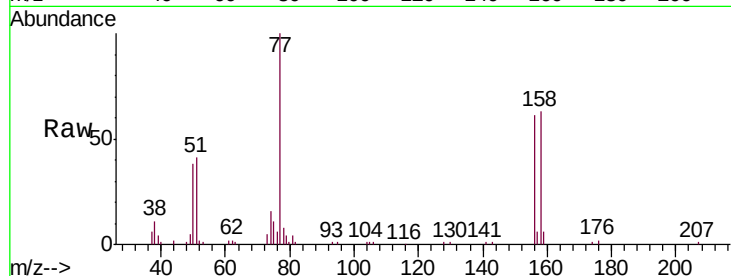
Tgt Ion:156 Resp: 21797

Ion Ratio Lower Upper

156 100

77 162.9 71.9 215.6

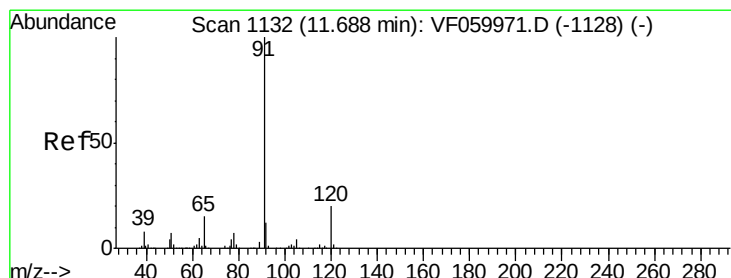
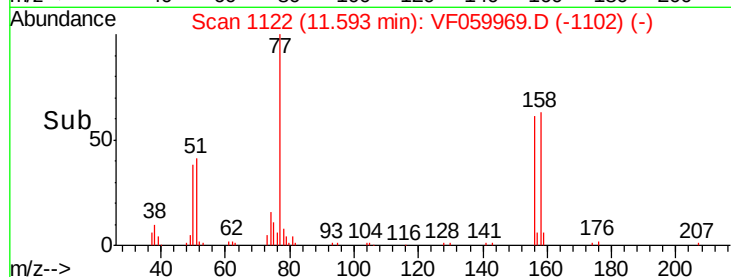
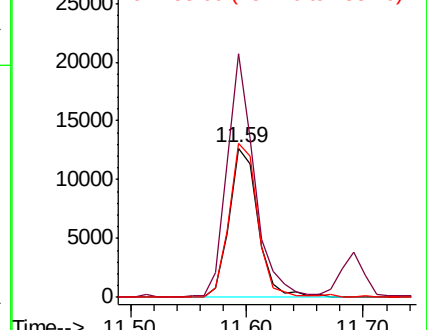
158 102.7 51.2 153.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 10.597 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059969.D

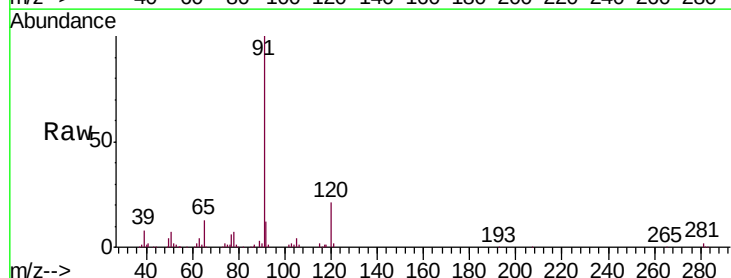
Acq: 16 Aug 2018 19:41

Tgt Ion: 91 Resp: 97136

Ion Ratio Lower Upper

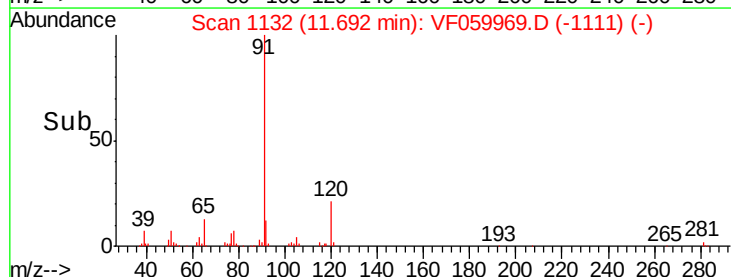
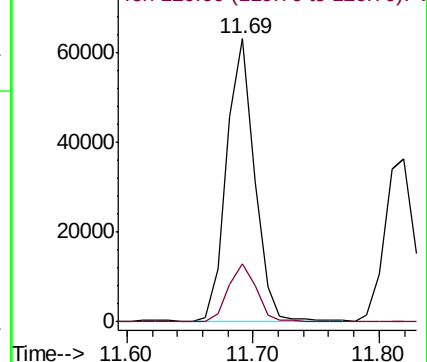
91 100

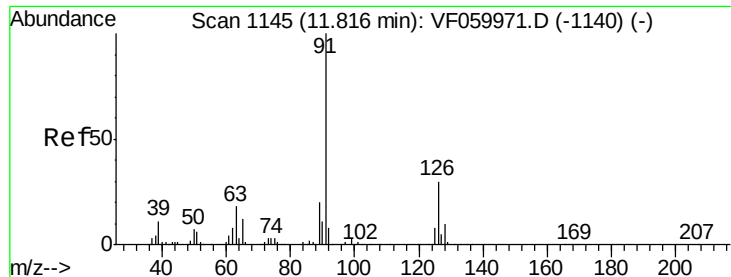
120 20.7 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

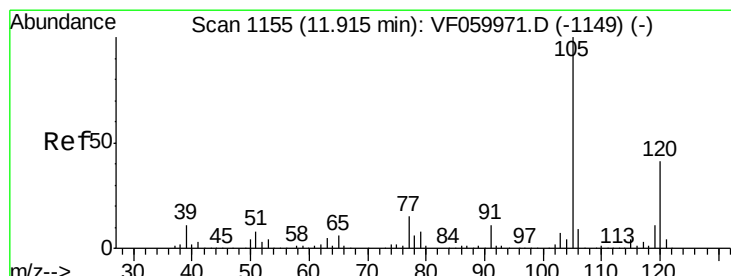
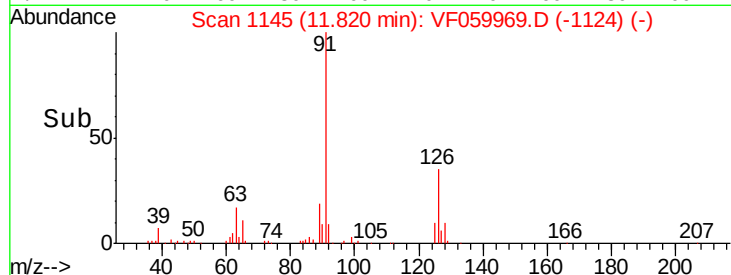
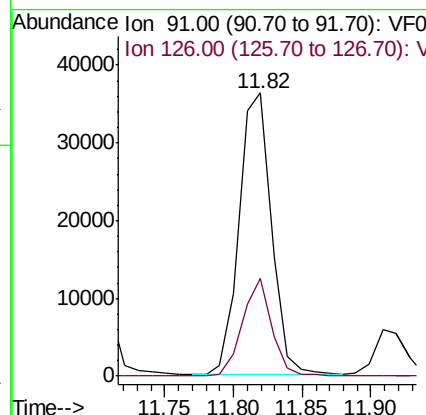
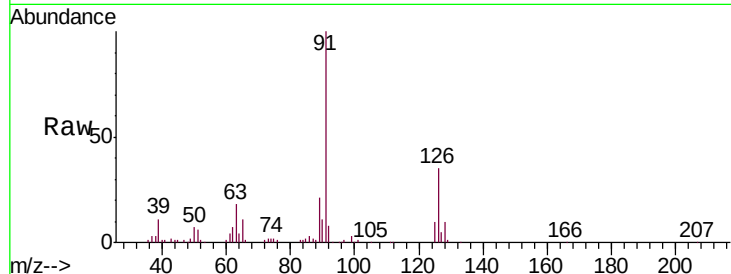




#79
 2-Chlorotoluene
 Concen: 10.241 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

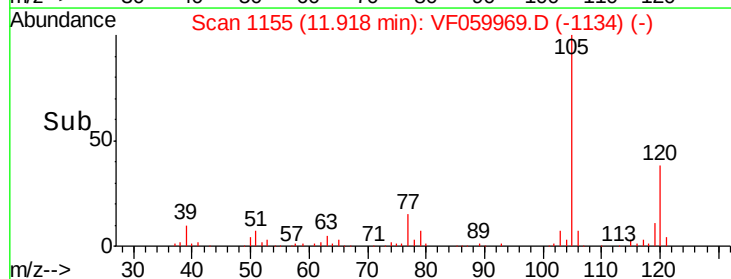
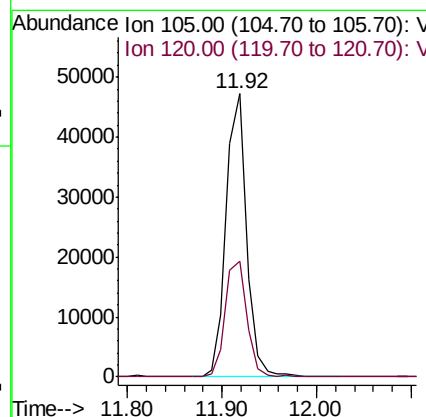
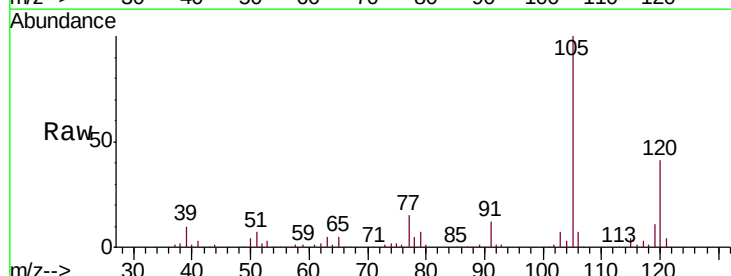
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

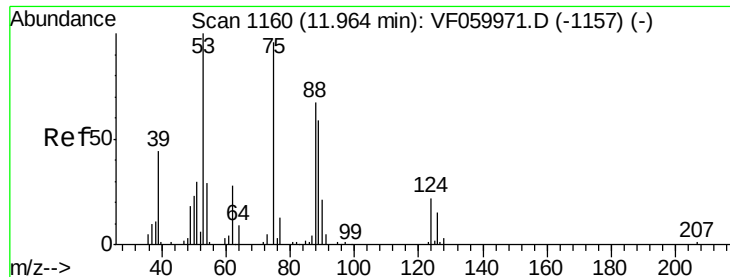
Tgt Ion: 91 Resp: 58996
 Ion Ratio Lower Upper
 91 100
 126 34.7 14.9 44.9



#80
 1,3,5-Trimethylbenzene
 Concen: 9.792 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 105 Resp: 70973
 Ion Ratio Lower Upper
 105 100
 120 40.7 20.6 61.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.892 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

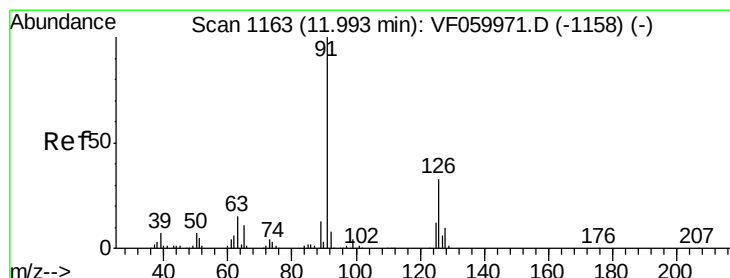
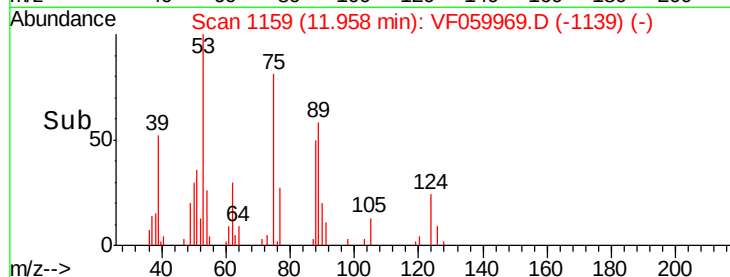
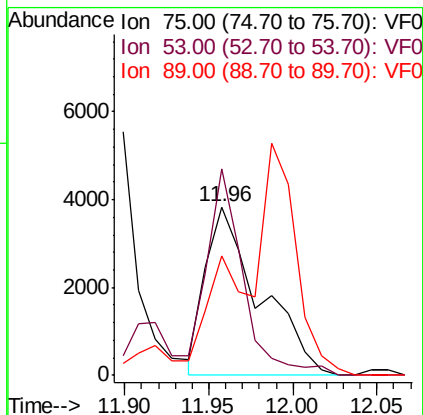
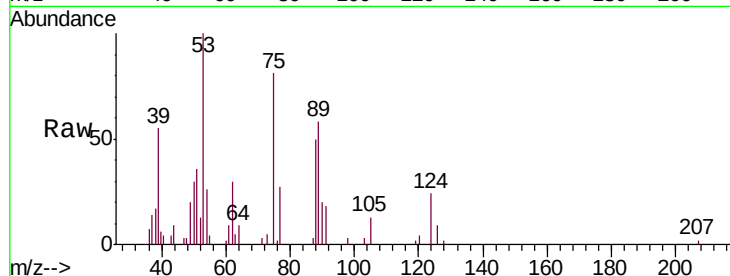
Tgt Ion: 75 Resp: 8626

Ion Ratio Lower Upper

75 100

53 122.9 85.1 127.7

89 71.3 50.2 75.4



#82

4-Chlorotoluene

Concen: 10.299 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059969.D

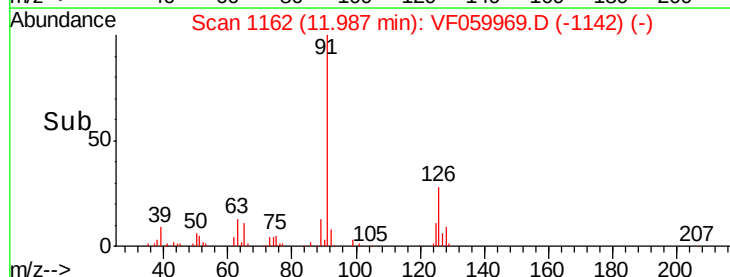
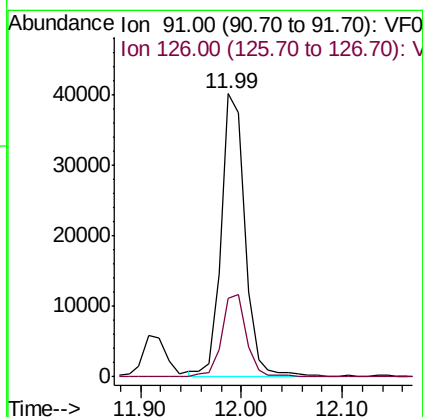
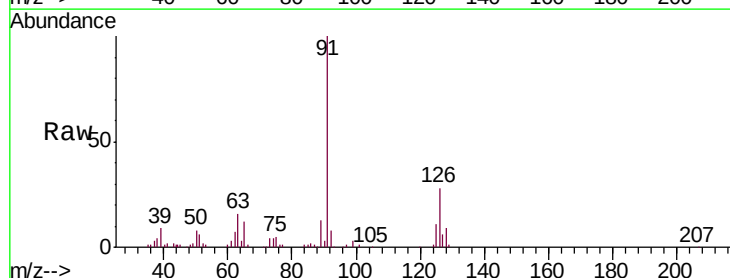
Acq: 16 Aug 2018 19:41

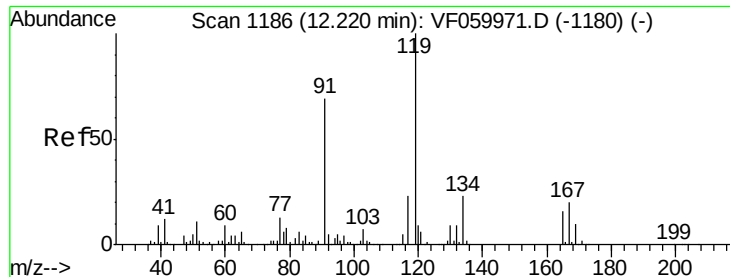
Tgt Ion: 91 Resp: 65665

Ion Ratio Lower Upper

91 100

126 27.7 16.4 49.2

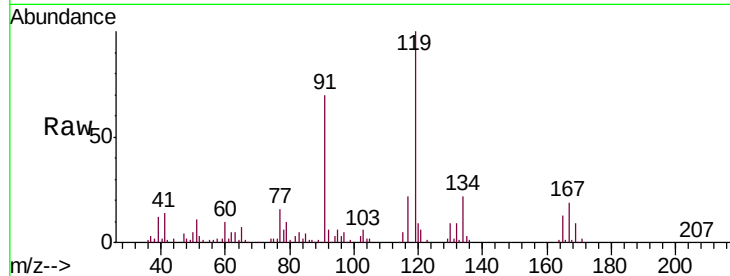




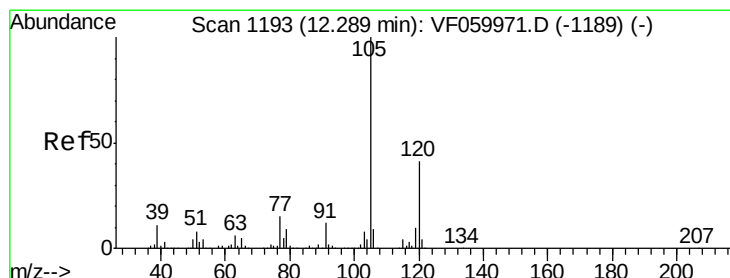
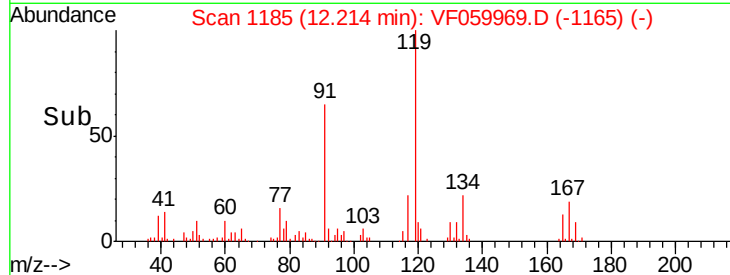
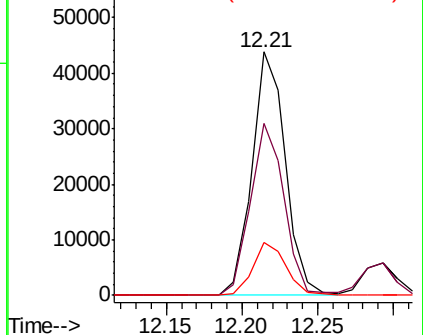
#83
 tert-Butylbenzene
 Concen: 9.533 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 67629
 Ion Ratio Lower Upper
 119 100
 91 70.5 34.8 104.3
 134 21.8 11.5 34.4

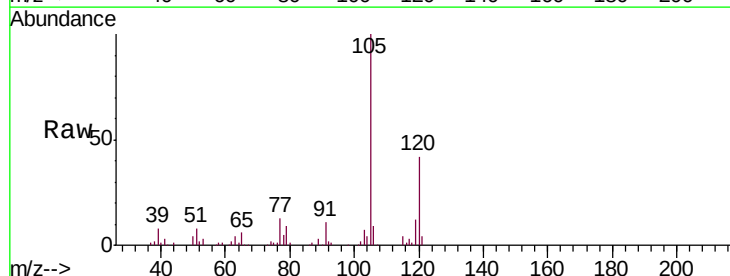


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

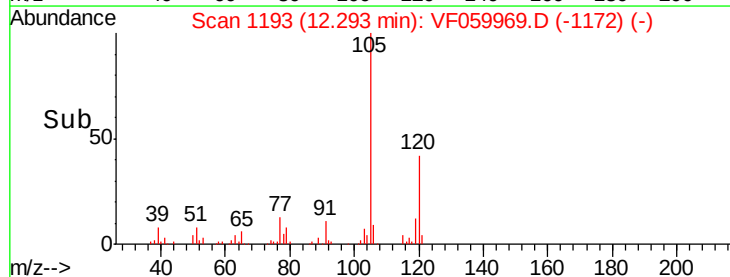
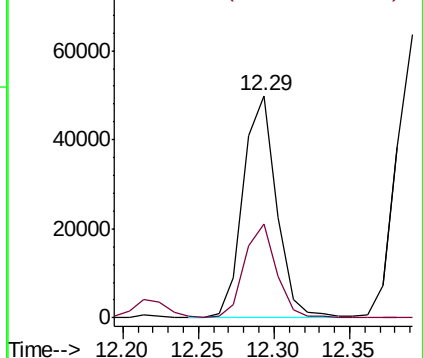


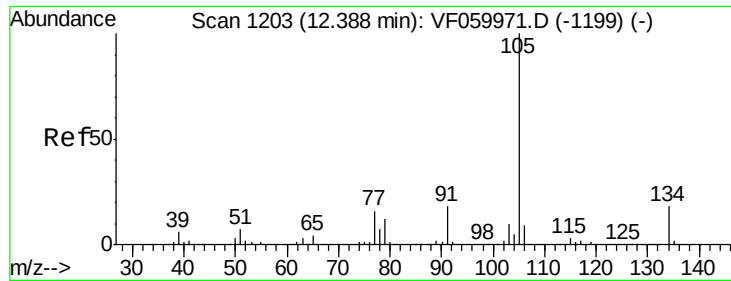
#84
 1,2,4-Trimethylbenzene
 Concen: 10.552 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion:105 Resp: 76881
 Ion Ratio Lower Upper
 105 100
 120 42.1 20.6 61.8



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

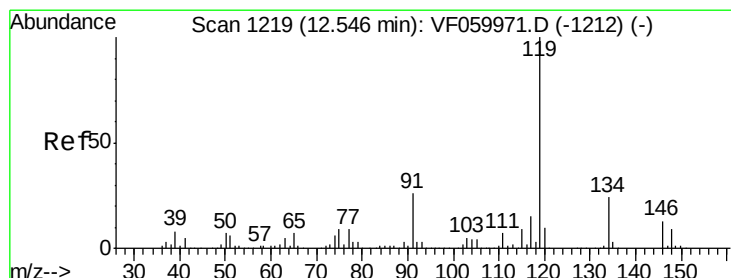
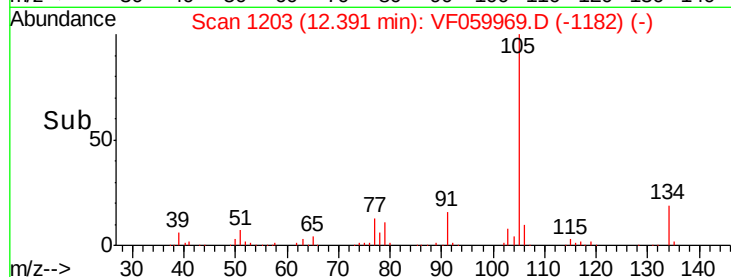
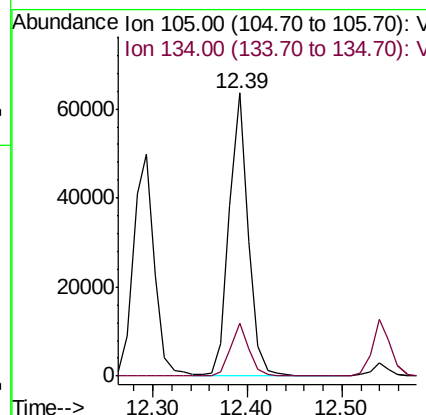
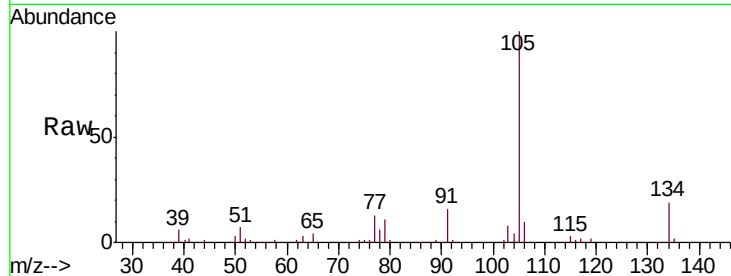




#85
 sec-Butylbenzene
 Concen: 9.869 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

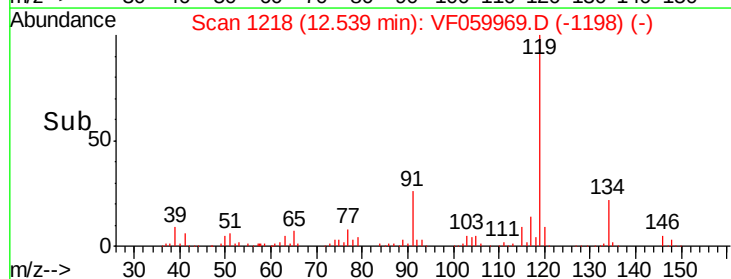
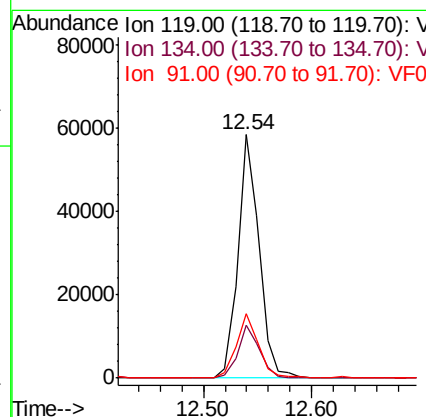
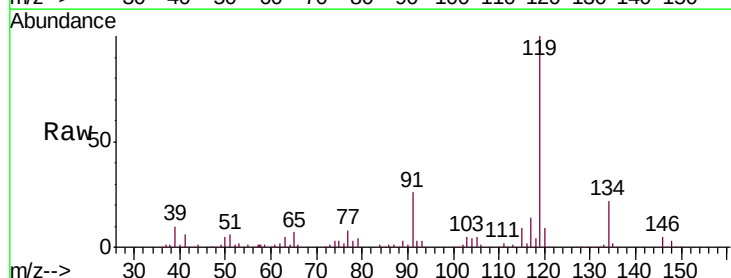
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

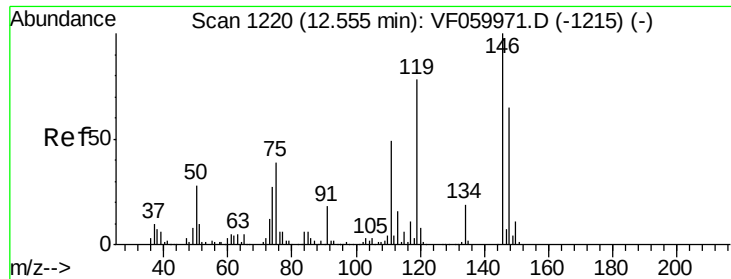
Tgt Ion:105 Resp: 89081
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 9.981 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion:119 Resp: 79652
 Ion Ratio Lower Upper
 119 100
 134 21.8 12.0 36.1
 91 26.4 13.1 39.1

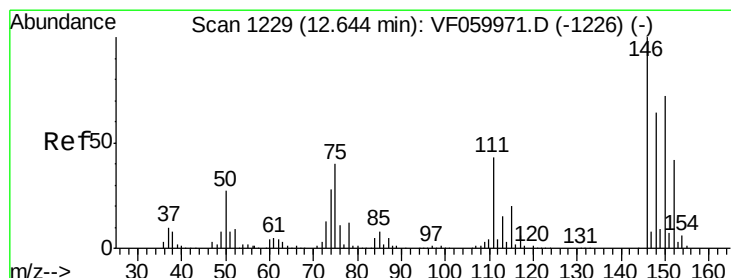
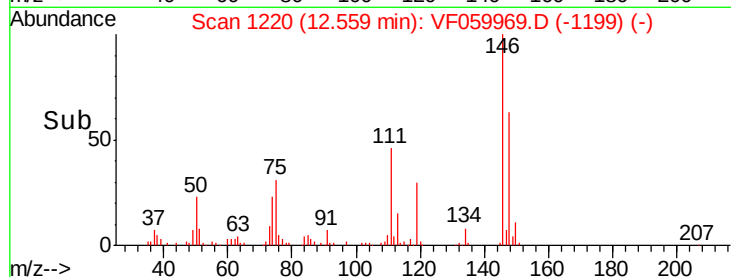
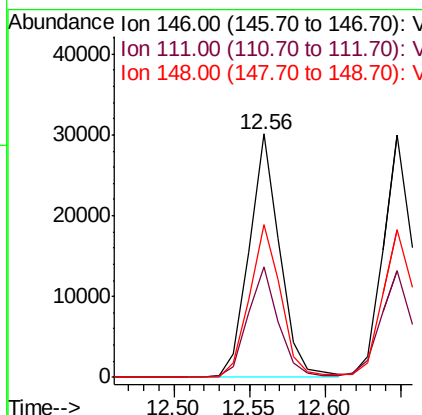
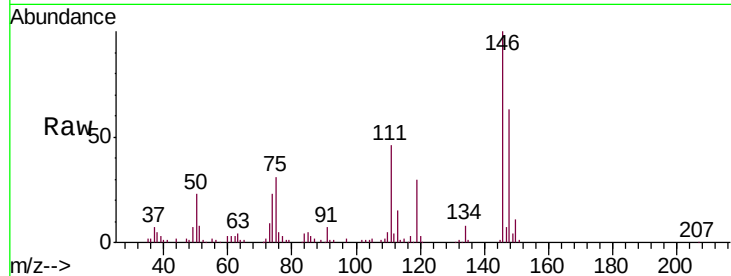




#87
 1,3-Dichlorobenzene
 Concen: 10.919 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

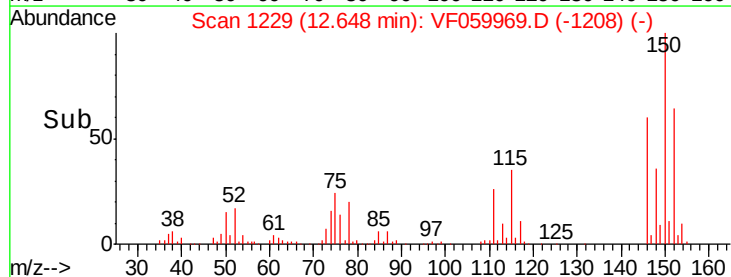
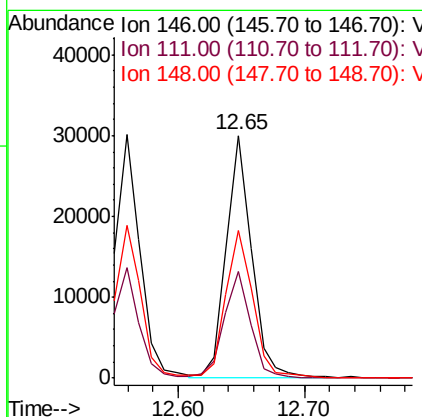
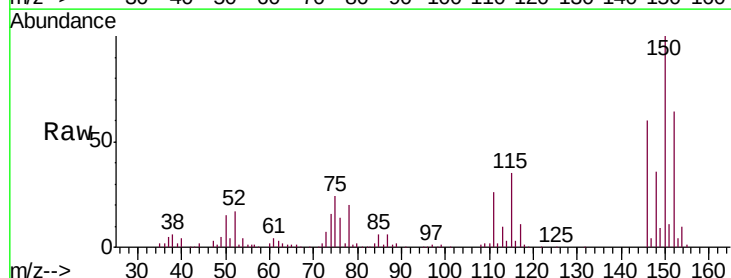
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

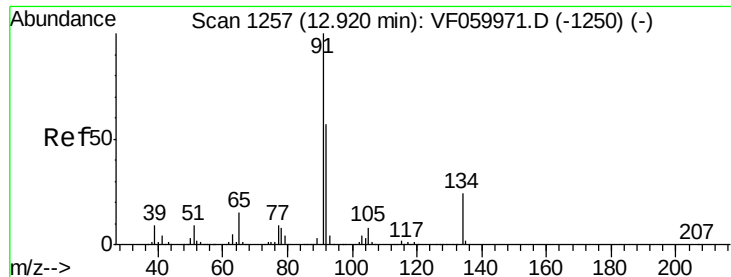
Tgt Ion:146 Resp: 42780
 Ion Ratio Lower Upper
 146 100
 111 45.5 24.4 73.2
 148 63.0 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 10.969 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion:146 Resp: 42190
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.4 64.2
 148 61.0 31.9 95.7





#89

n-Butylbenzene

Concen: 9.876 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

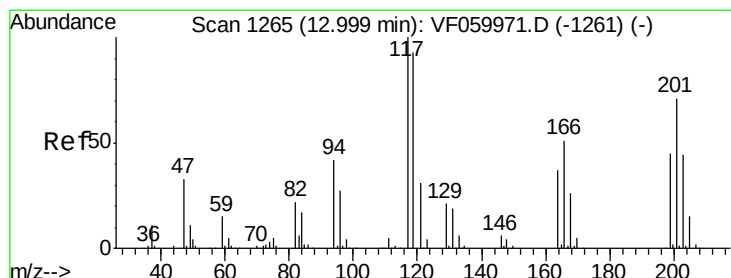
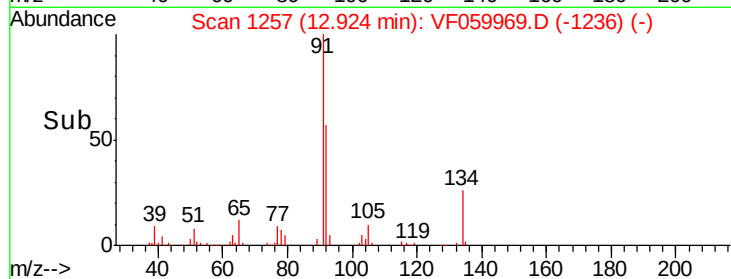
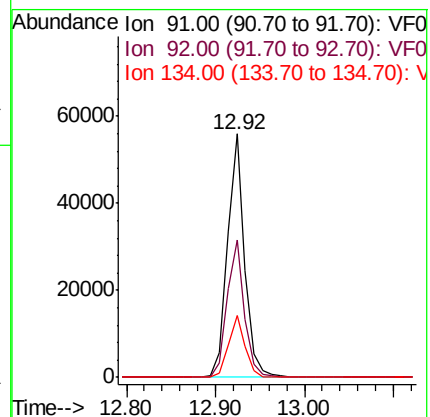
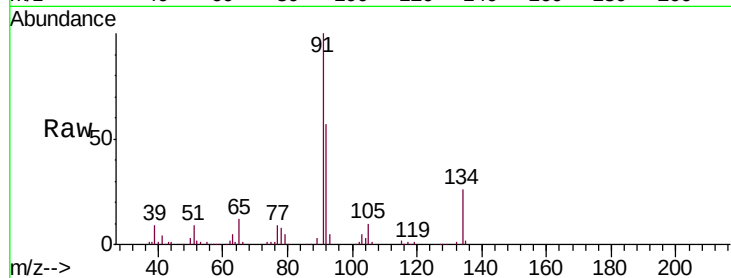
Tgt Ion: 91 Resp: 76270

Ion Ratio Lower Upper

91 100

92 56.6 28.3 85.0

134 25.7 11.9 35.7



#90

Hexachloroethane

Concen: 9.021 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059969.D

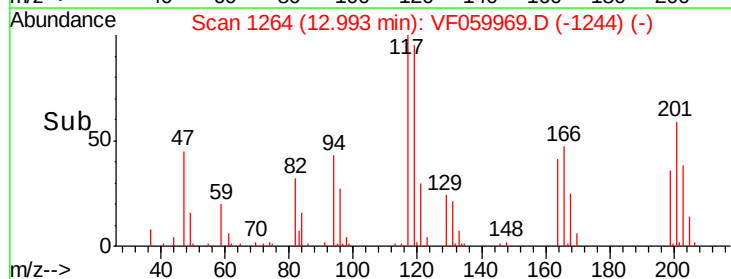
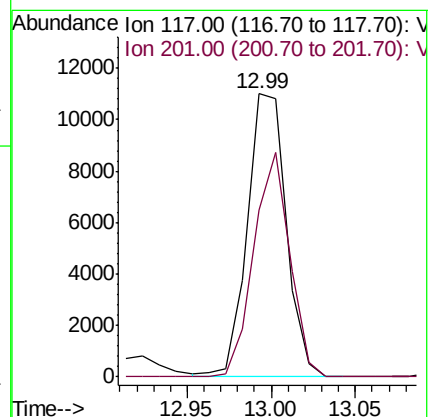
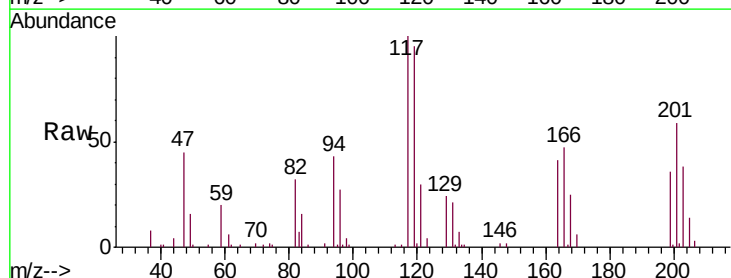
Acq: 16 Aug 2018 19:41

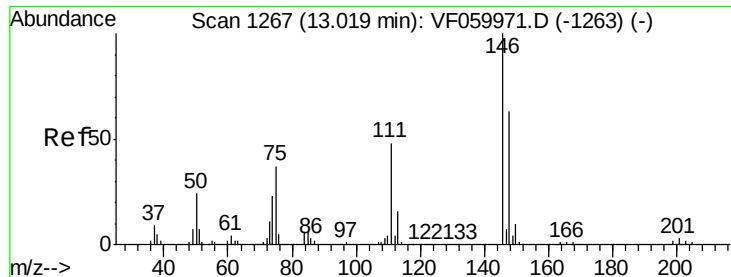
Tgt Ion: 117 Resp: 17659

Ion Ratio Lower Upper

117 100

201 58.8 35.3 105.7

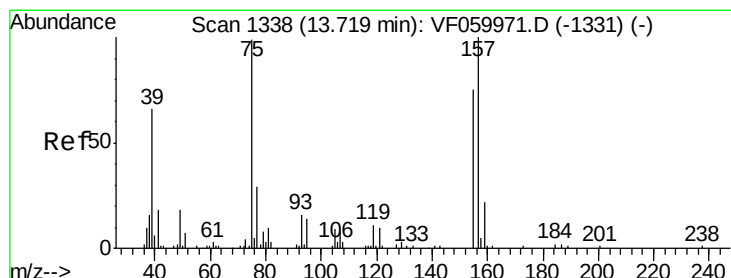
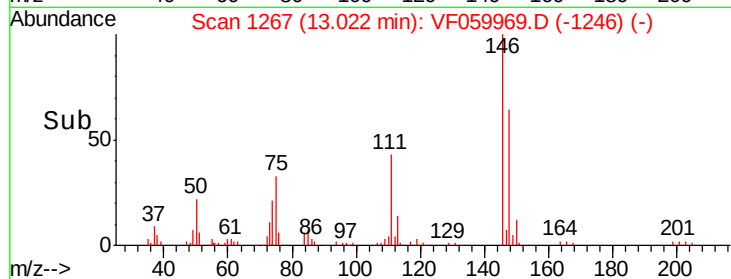
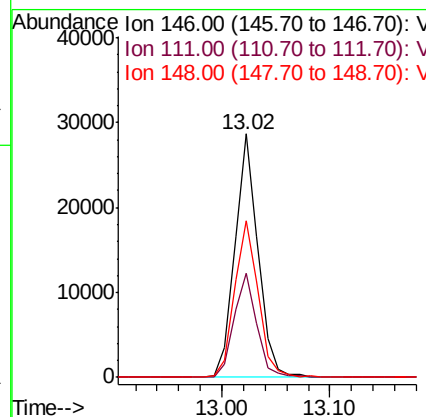
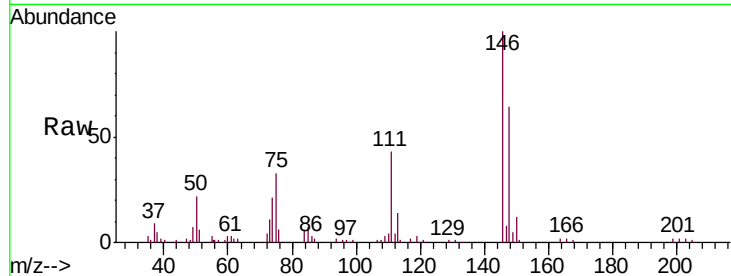




#91
 1,2-Dichlorobenzene
 Concen: 11.071 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

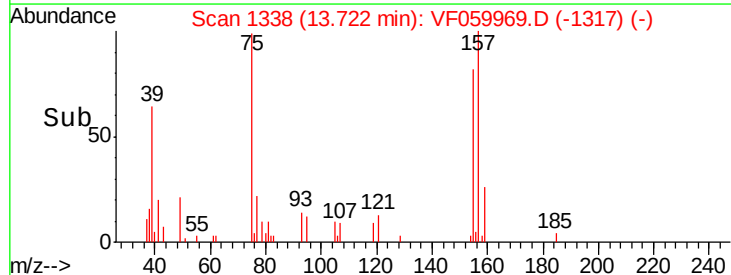
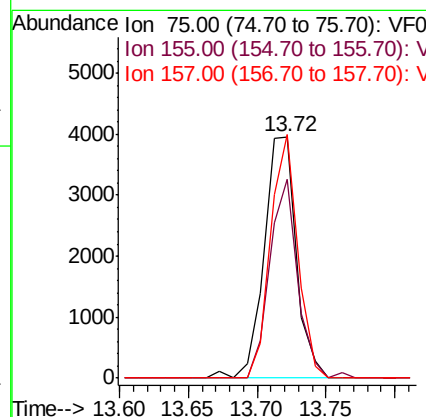
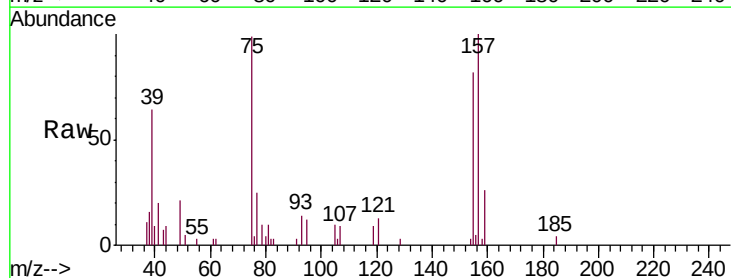
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

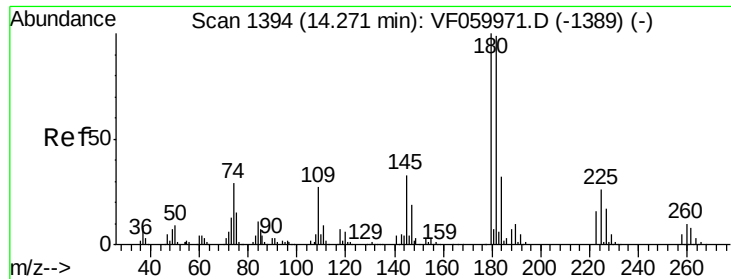
Tgt Ion: 146 Resp: 42529
 Ion Ratio Lower Upper
 146 100
 111 43.0 23.9 71.8
 148 64.4 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.258 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion: 75 Resp: 6455
 Ion Ratio Lower Upper
 75 100
 155 82.3 38.0 114.0
 157 100.9 50.6 151.8

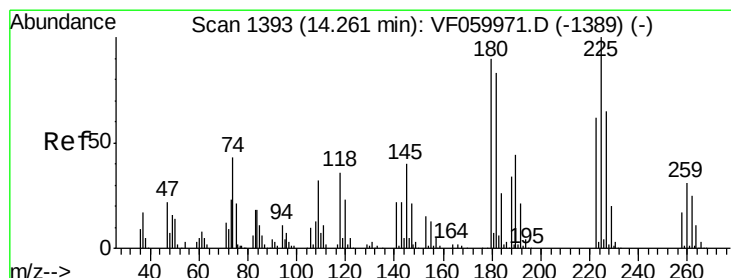
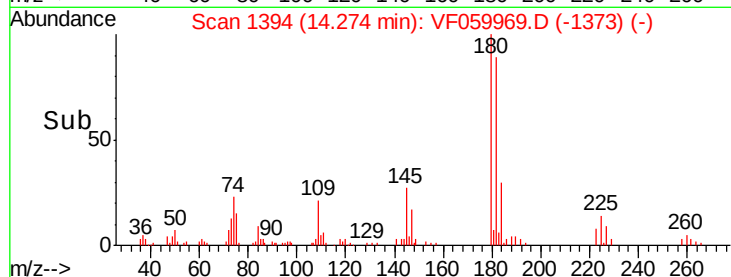
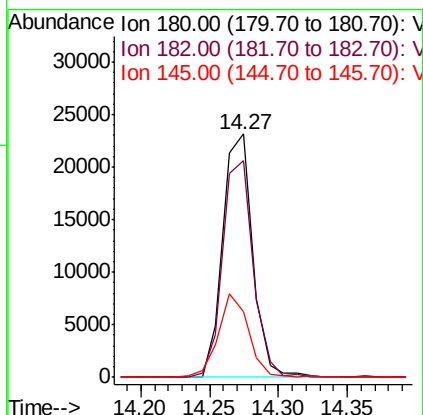
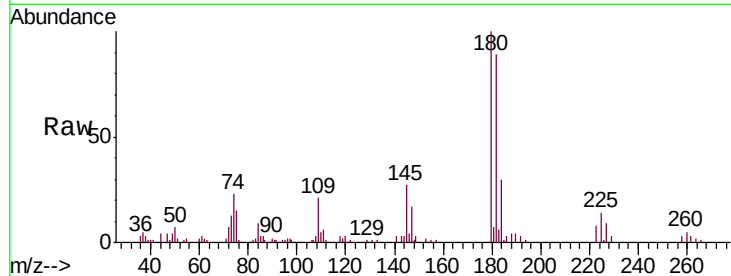




#93
 1,2,4-Trichlorobenzene
 Concen: 11.445 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

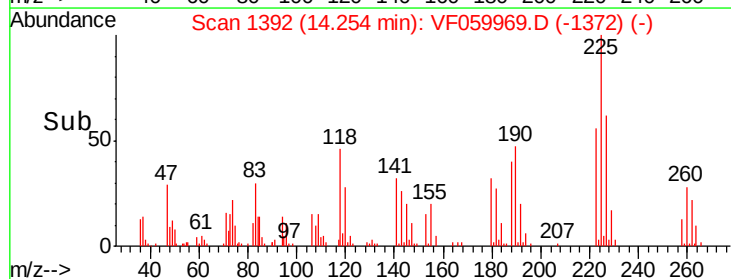
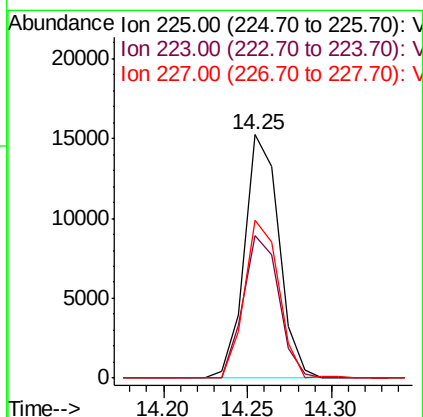
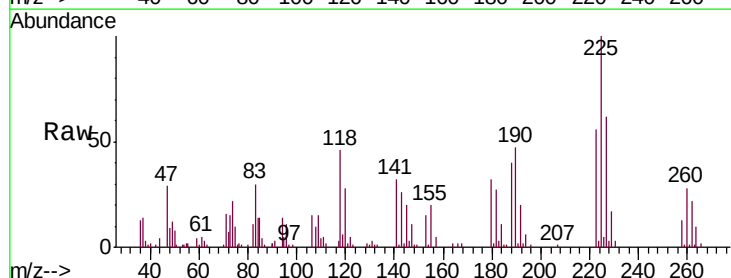
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

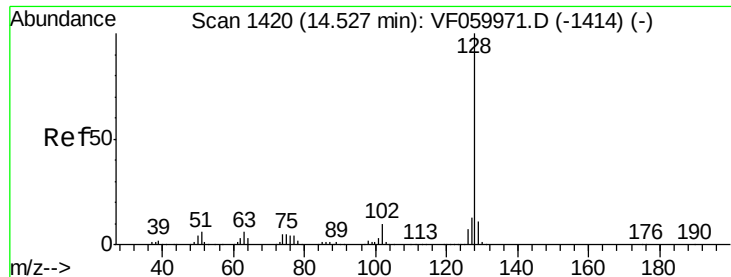
Tgt Ion:180 Resp: 34915
 Ion Ratio Lower Upper
 180 100
 182 89.1 49.7 149.1
 145 26.9 16.4 49.4



#94
 Hexachlorobutadiene
 Concen: 10.105 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059969.D
 Acq: 16 Aug 2018 19:41

Tgt Ion:225 Resp: 21641
 Ion Ratio Lower Upper
 225 100
 223 58.5 31.0 93.0
 227 64.7 32.4 97.2





#95

Naphthalene

Concen: 10.090 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

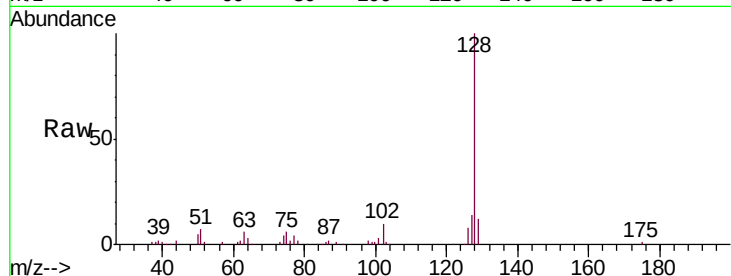
Tgt Ion:128 Resp: 51642

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

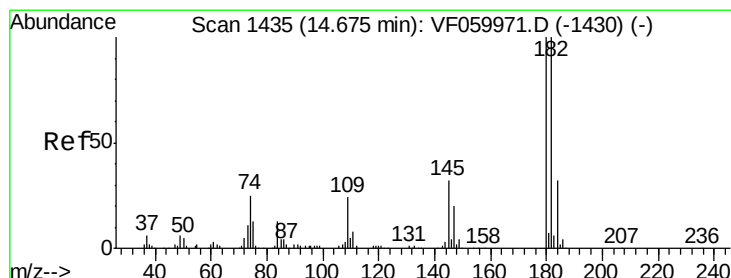
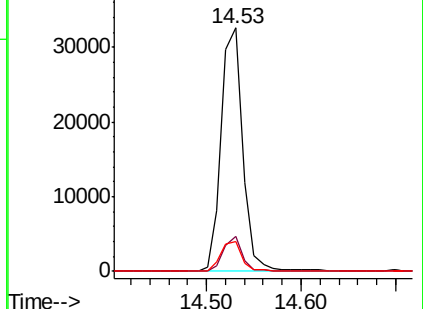
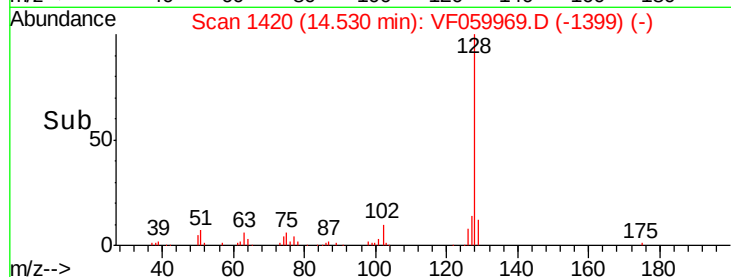
129 12.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 11.747 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF059969.D

Acq: 16 Aug 2018 19:41

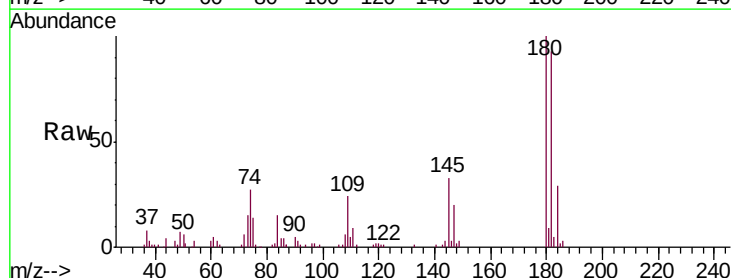
Tgt Ion:180 Resp: 34462

Ion Ratio Lower Upper

180 100

182 92.9 49.9 149.7

145 33.1 16.2 48.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

