

Data File : VF059267.D
Acq On : 21 Jun 2018 17:41
Operator : VA/AP
Sample : VSTDIC075
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Quant Time: Jun 22 04:57:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 04:54:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	234086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	360815	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	372491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	229328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	242946	83.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.56%	
35) Dibromofluoromethane	4.29	113	212548	83.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.34%	
50) Toluene-d8	7.71	98	545064	74.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.44%	
62) 4-Bromofluorobenzene	11.51	95	291598	75.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	190145	71.528	ug/l	97
3) Chloromethane	1.09	50	113784	57.415	ug/l	91
4) Vinyl Chloride	1.15	62	118259	64.903	ug/l	100
5) Bromomethane	1.34	94	75801	69.546	ug/l	100
6) Chloroethane	1.43	64	58208	75.185	ug/l	95
7) Trichlorofluoromethane	1.49	101	79160	26.802	ug/l	99
8) Diethyl Ether	1.70	74	53947	75.259	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	127656	70.002	ug/l	89
10) Methyl Iodide	1.96	142	240410	75.035	ug/l	94
11) Tert butyl alcohol	2.68	59	71763	392.588	ug/l	95
12) 1,1-Dichloroethene	1.86	96	122241	80.008	ug/l	94
13) Acrolein	2.09	56	54038	339.787	ug/l	96
14) Allyl chloride	2.19	41	211707	70.395	ug/l	99
15) Acrylonitrile	3.09	53	145427	414.484	ug/l	95
16) Acetone	2.34	43	285522	412.899	ug/l	100
17) Carbon Disulfide	1.85	76	77176	18.369	ug/l #	92
18) Methyl Acetate	2.54	43	136723	113.040	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	400563	81.840	ug/l	96
20) Methylene Chloride	2.32	84	57018	35.099	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	121346	71.517	ug/l	93
22) Diisopropyl ether	2.93	45	443308	73.656	ug/l	98
23) Vinyl Acetate	3.33	43	1421818	362.224	ug/l	99
24) 1,1-Dichloroethane	3.00	63	276427	75.391	ug/l	99
25) 2-Butanone	4.51	43	358530	339.242	ug/l	100
26) 2,2-Dichloropropane	3.77	77	196226	74.132	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	179451	69.139	ug/l	94
28) Bromochloromethane	3.89	49	108756	67.031	ug/l	95
29) Tetrahydrofuran	4.25	42	156007	338.322	ug/l	97
30) Chloroform	4.03	83	403207	77.110	ug/l	96
31) Cyclohexane	3.86	56	189869	61.403	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	308388	78.520	ug/l	98
36) 1,1-Dichloropropene	4.46	75	265998	75.807	ug/l	97
37) Ethyl Acetate	4.29	43	160899	73.452	ug/l #	91
38) Carbon Tetrachloride	4.17	117	355655	91.365	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	237806	68.436	ug/l	94
40) Benzene	4.81	78	573745	71.152	ug/l	98
41) Methacrylonitrile	4.92	41	79267	73.709	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	328851	86.282	ug/l	99
43) Isopropyl Acetate	7.11	43	213469	72.533	ug/l	97
44) Trichloroethene	5.67	130	189389	73.193	ug/l	86
45) 1,2-Dichloropropane	6.40	63	170463	73.034	ug/l	98
46) Dibromomethane	6.25	93	139013	78.118	ug/l	92
47) Bromodichloromethane	6.55	83	342603	83.413	ug/l	99
48) Methyl methacrylate	6.87	41	144415	80.122	ug/l	91
49) 1,4-Dioxane	6.87	88	17724	1484.572	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	712865	352.794	ug/l	98
52) Toluene	7.78	92	417017	71.161	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	296780	74.050	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	345395	76.745	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	169111	78.342	ug/l	96
56) Ethyl methacrylate	8.76	69	206922	76.072	ug/l	94
57) 1,3-Dichloropropane	9.00	76	283149	77.260	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	76303	388.651	ug/l	100
59) 2-Hexanone	9.63	43	569908	356.383	ug/l	93
60) Dibromochloromethane	8.86	129	258329	82.375	ug/l	95
61) 1,2-Dibromoethane	9.14	107	199511	79.397	ug/l	100
64) Tetrachloroethene	8.30	164	190302	69.162	ug/l	93
65) Chlorobenzene	9.94	112	537456	71.938	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	224038	74.970	ug/l	96
67) Ethyl Benzene	10.04	91	879820	68.371	ug/l	100
68) m/p-Xylenes	10.27	106	668411	136.831	ug/l	99
69) o-Xylene	10.83	106	378008	71.937	ug/l	97
70) Styrene	10.90	104	561428	71.028	ug/l	99
71) Bromoform	10.89	173	164315	79.875	ug/l #	100
73) Isopropylbenzene	11.23	105	1087868	68.573	ug/l	99
74) N-amyl acetate	11.47	43	361108	64.193	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	258103	68.612	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	195098	70.066	ug/l	93
77) Bromobenzene	11.59	156	282741	69.898	ug/l	85
78) n-propylbenzene	11.69	91	1217576	64.804	ug/l	98
79) 2-Chlorotoluene	11.81	91	763372	68.516	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	938699	71.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	116056	64.002	ug/l	89
82) 4-Chlorotoluene	11.99	91	823565	69.351	ug/l	96
83) tert-Butylbenzene	12.22	119	892894	67.793	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	948470	69.757	ug/l	99
85) sec-Butylbenzene	12.39	105	1218016	68.652	ug/l	97
86) p-Isopropyltoluene	12.54	119	1029332	70.442	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	492601	66.174	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	518146	72.153	ug/l	96
89) n-Butylbenzene	12.92	91	1000579	65.861	ug/l	98
90) Hexachloroethane	12.99	117	262357	73.069	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	502614	70.163	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	56784	75.716	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062118\
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	377130	73.957	ug/l	98
94) Hexachlorobutadiene	14.26	225	225492	76.637	ug/l	99
95) Naphthalene	14.52	128	824053	75.597	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	369269	78.282	ug/l	96

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

Data File : VF059267.D

Acq On : 21 Jun 2018 17:41

Operator : VA/AP

Sample : VSTDICC075

Misc : 5.00g/5mL/MSV0A-F/SOIL

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :

MSVOA F

ClientSampleId :

VSTDICC075

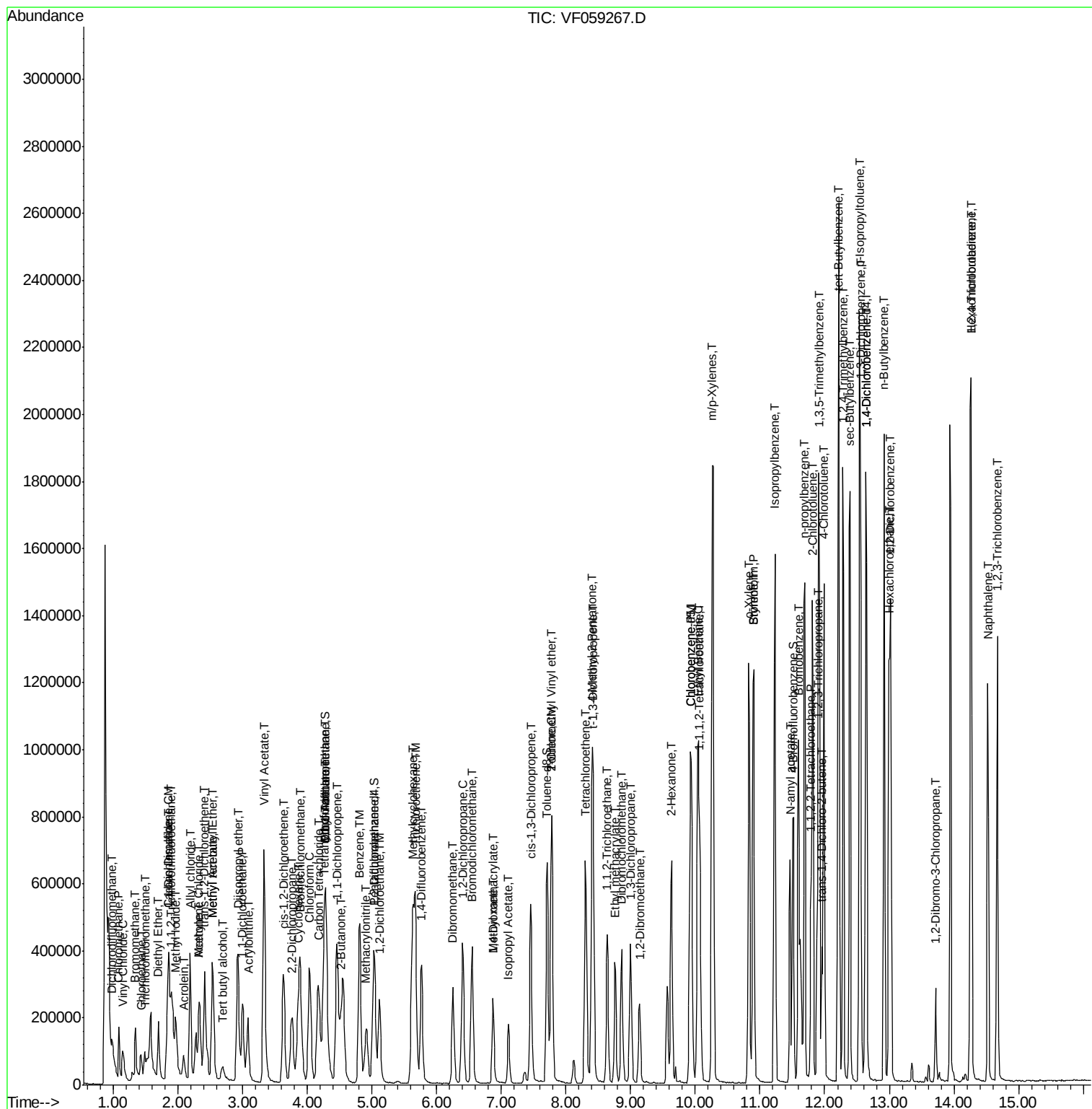
Quant Time: Jun 22 04:57:17 2018

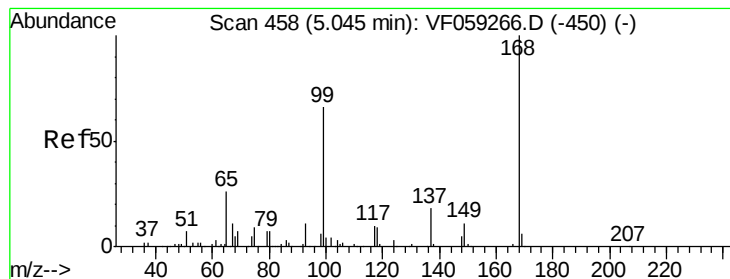
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F062118S.M

Quant Title : SW846 8260

QLast Update : Fri Jun 22 04:54:07 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

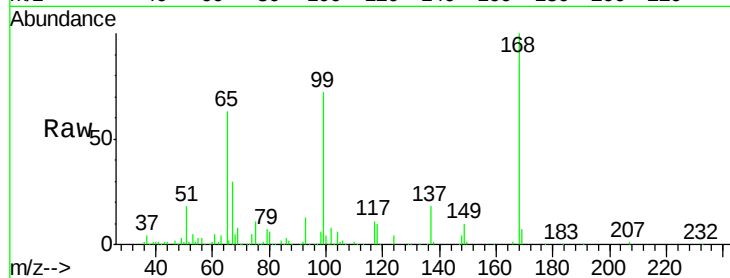
VSTDIC075

Tgt Ion:168 Resp: 234086

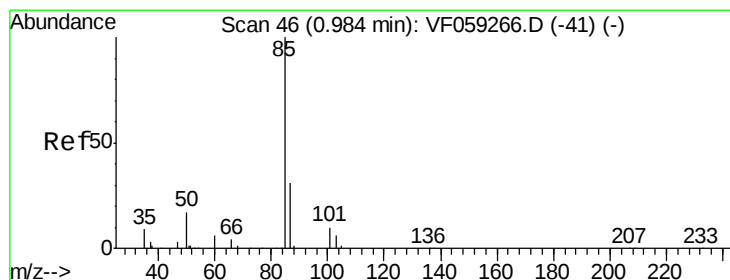
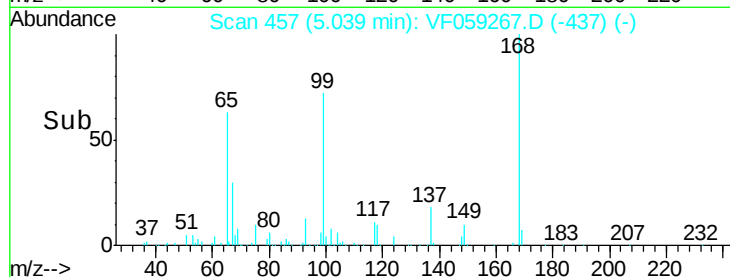
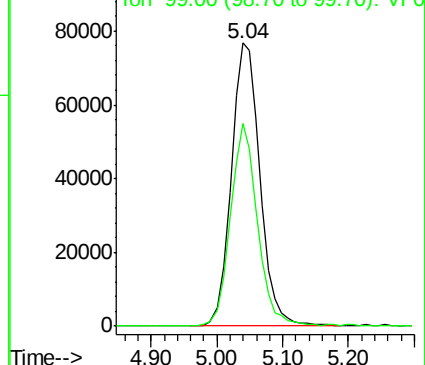
Ion Ratio Lower Upper

168 100

99 71.6 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 71.528 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059267.D

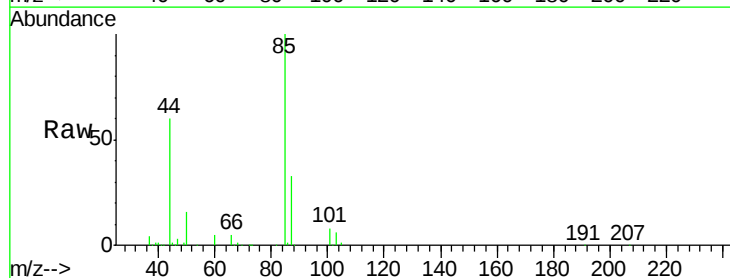
Acq: 21 Jun 2018 17:41

Tgt Ion: 85 Resp: 190145

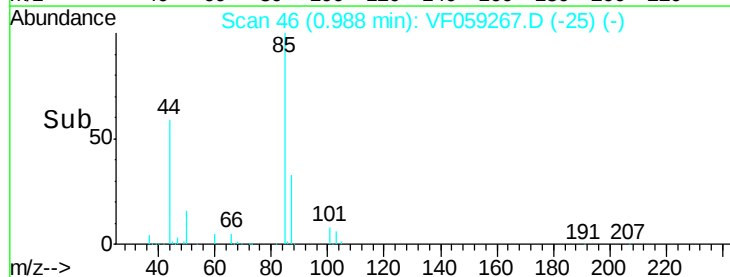
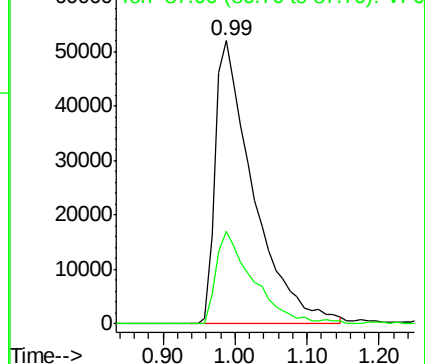
Ion Ratio Lower Upper

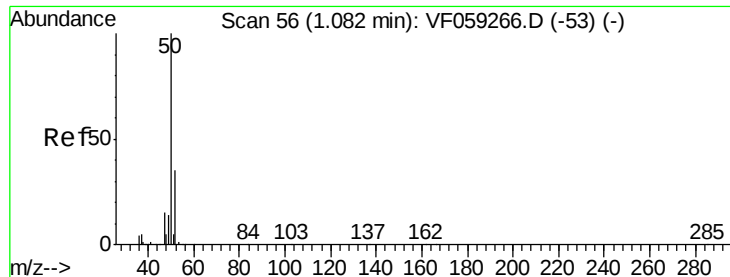
85 100

87 32.6 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 57.415 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

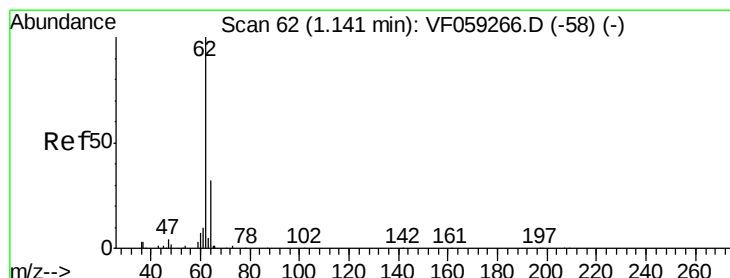
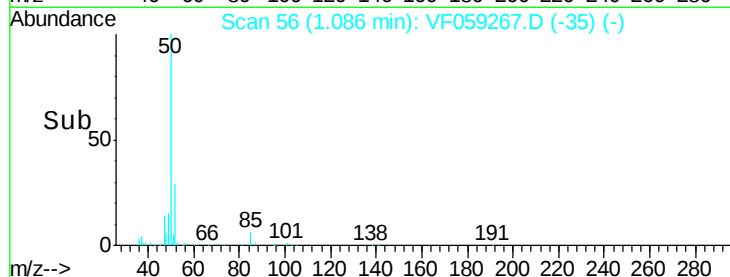
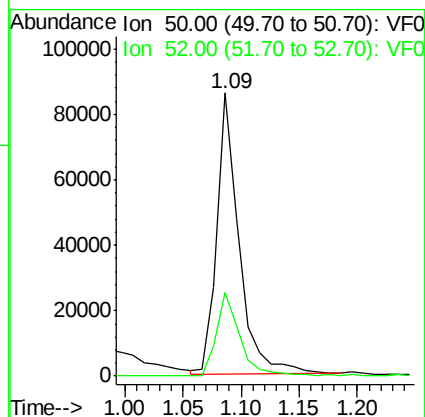
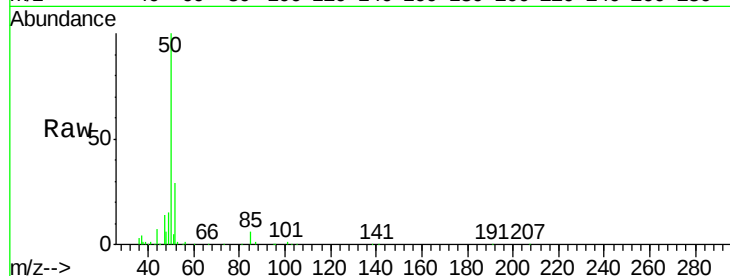
VSTDIC075

Tgt Ion: 50 Resp: 113784

Ion Ratio Lower Upper

50 100

52 29.5 27.7 41.5



#4

Vinyl Chloride

Concen: 64.903 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059267.D

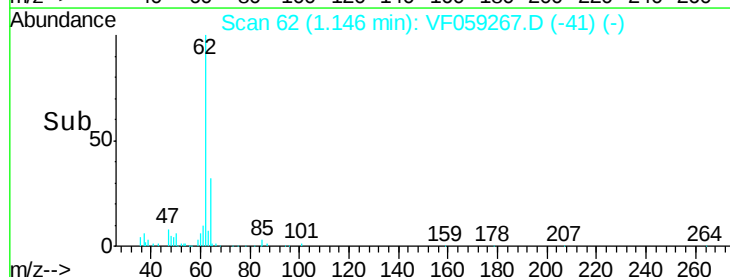
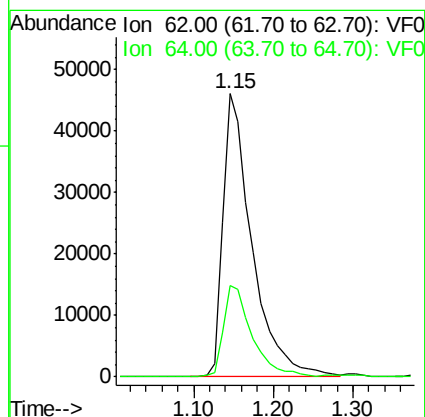
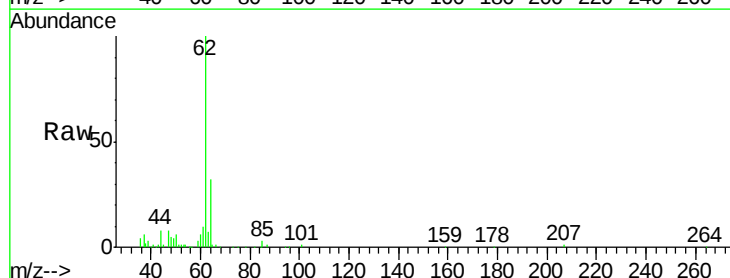
Acq: 21 Jun 2018 17:41

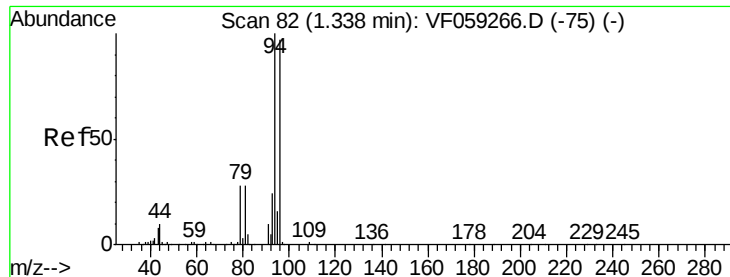
Tgt Ion: 62 Resp: 118259

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 69.546 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

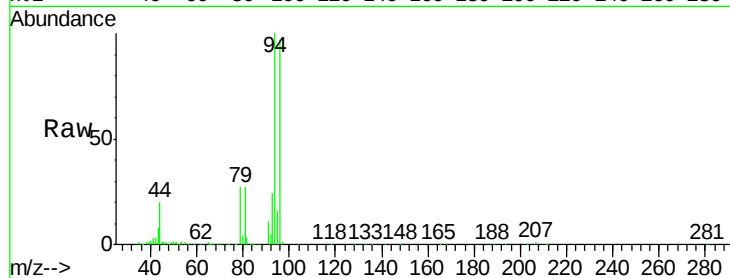
VSTDIC075

Tgt Ion: 94 Resp: 75801

Ion Ratio Lower Upper

94 100

96 97.4 77.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.34

50000

40000

30000

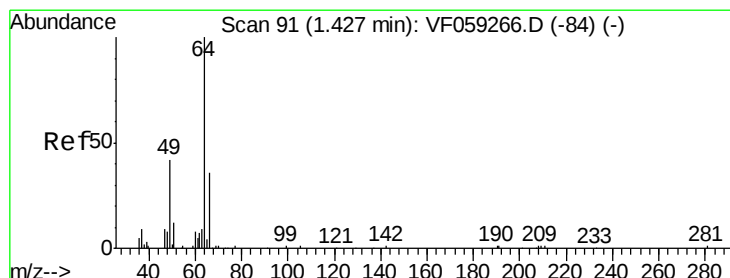
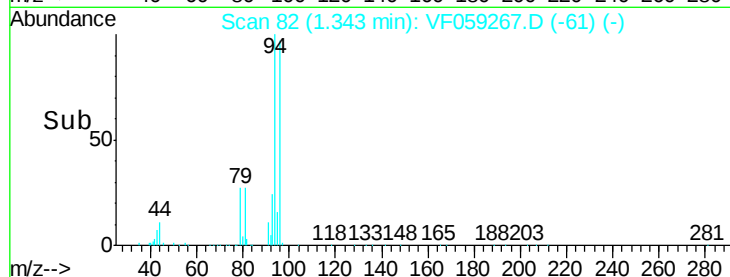
20000

10000

0

Time-->

1.20 1.30 1.40



#6

Chloroethane

Concen: 75.185 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059267.D

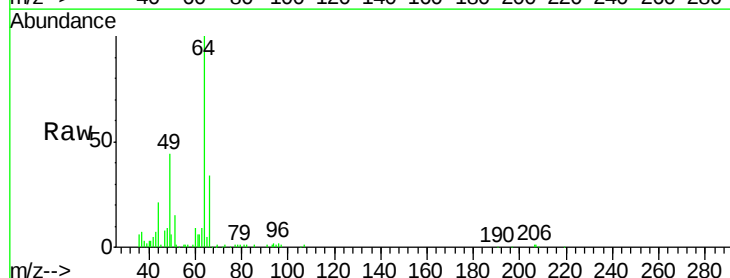
Acq: 21 Jun 2018 17:41

Tgt Ion: 64 Resp: 58208

Ion Ratio Lower Upper

64 100

66 33.9 29.4 44.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.43

30000

25000

20000

15000

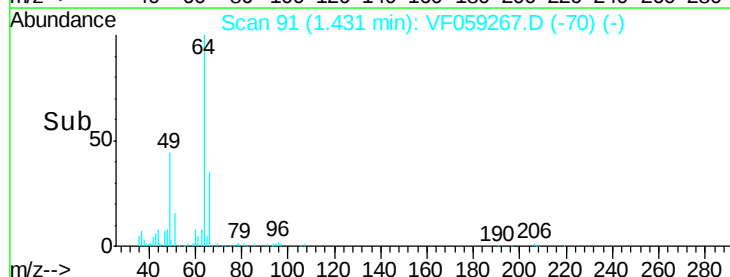
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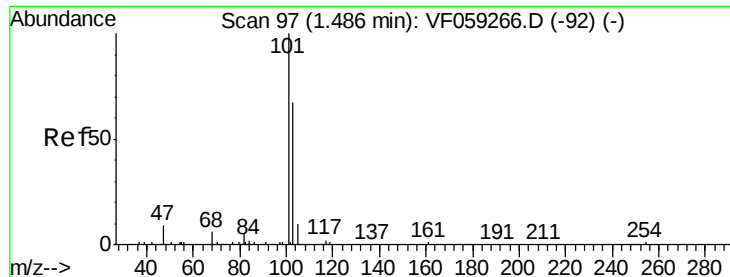
5000

0

Time-->

1.30 1.40 1.50 1.60





#7

Trichlorofluoromethane

Concen: 26.802 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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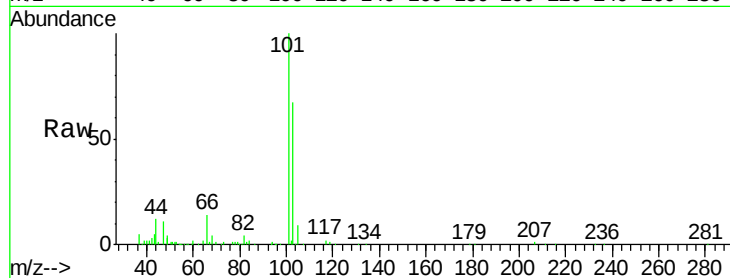
VSTDIC075

Tgt Ion:101 Resp: 79160

Ion Ratio Lower Upper

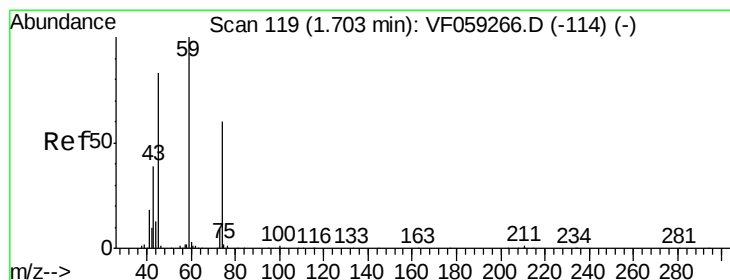
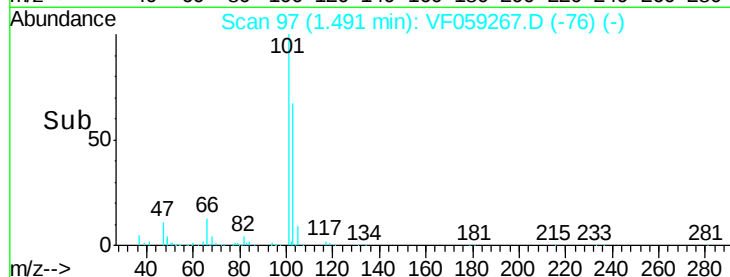
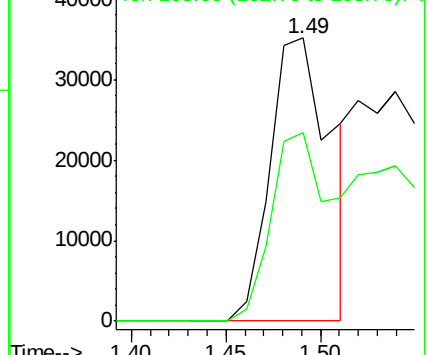
101 100

103 66.6 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 75.259 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059267.D

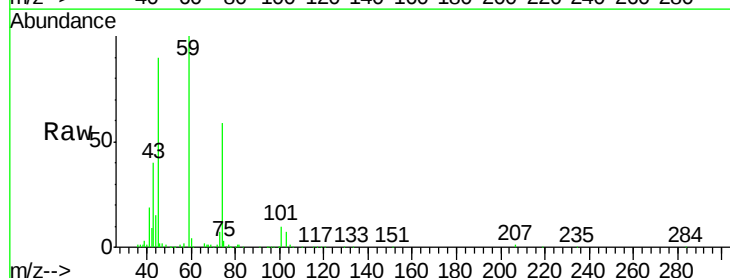
Acq: 21 Jun 2018 17:41

Tgt Ion: 74 Resp: 53947

Ion Ratio Lower Upper

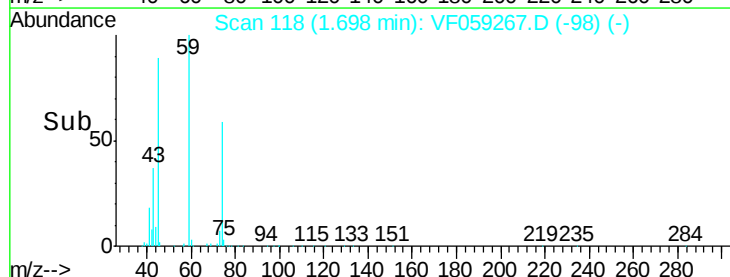
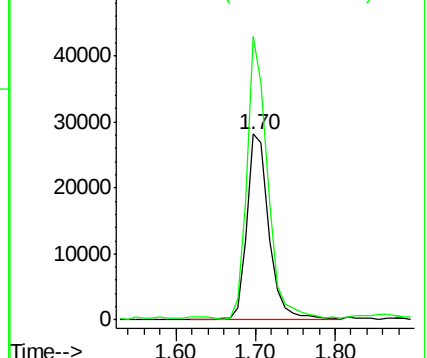
74 100

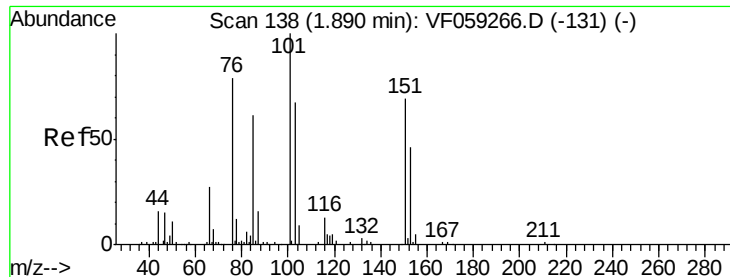
45 152.4 69.2 207.4



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: 70.002 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

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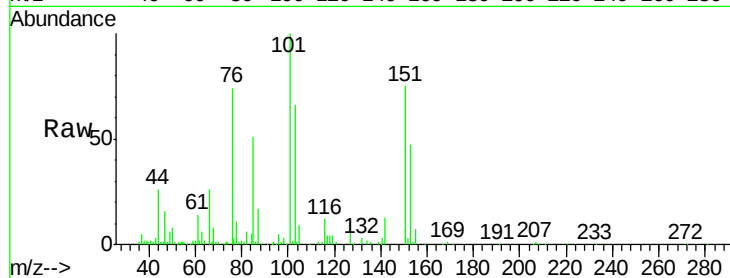
Tgt Ion:101 Resp: 127656

Ion Ratio Lower Upper

101 100

85 51.0 47.2 70.8

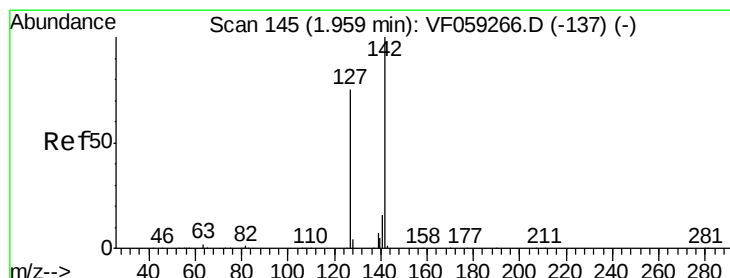
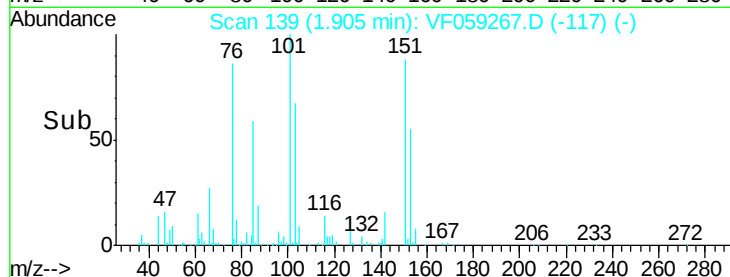
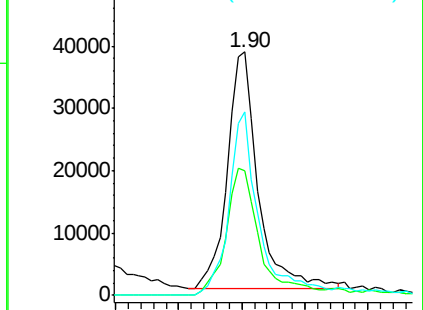
151 75.2 53.3 79.9



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: 75.035 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

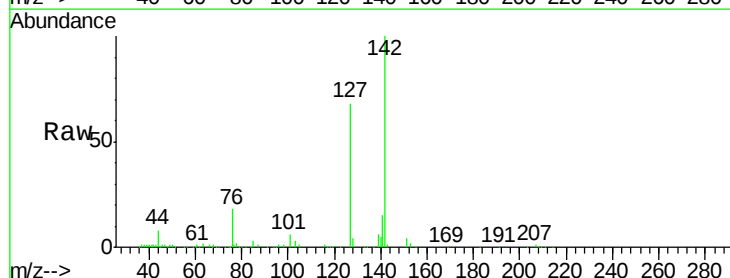
Tgt Ion:142 Resp: 240410

Ion Ratio Lower Upper

142 100

127 68.5 59.9 89.9

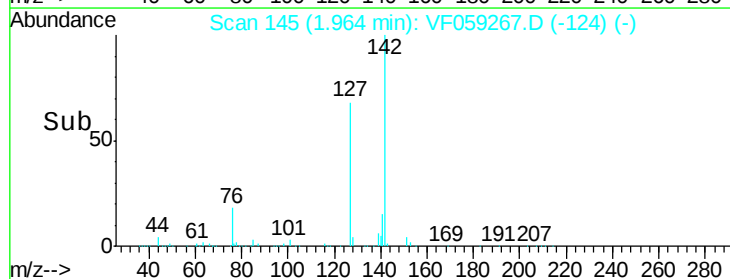
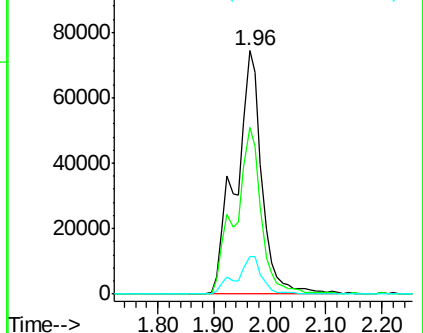
141 15.4 12.7 19.1

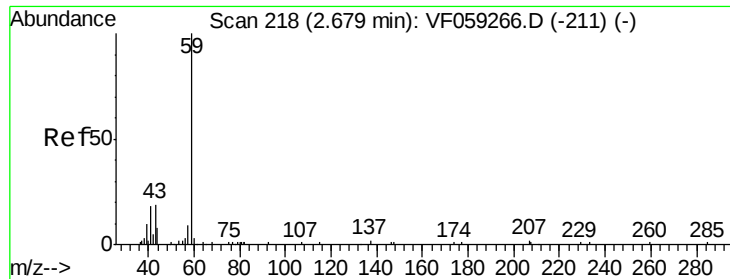


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



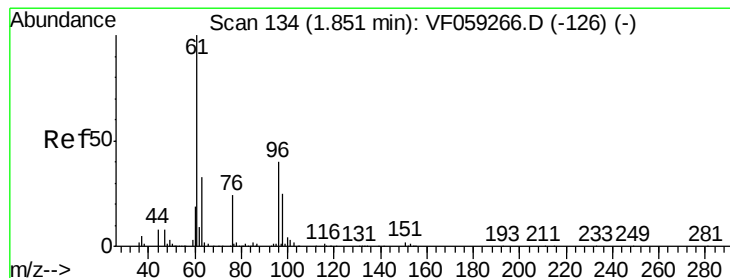
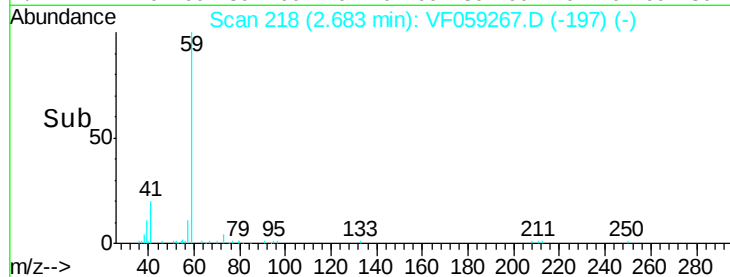
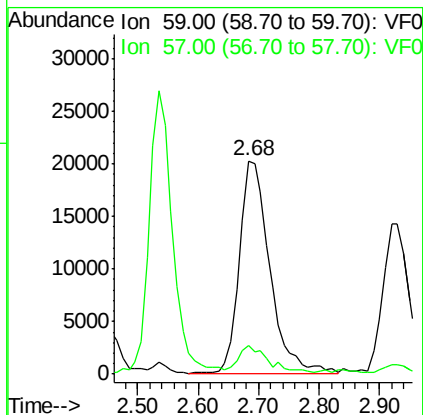
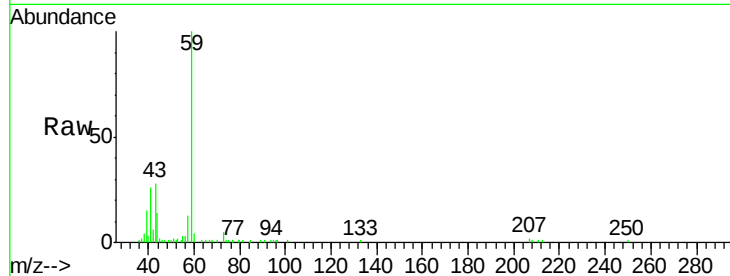


#11

Tert butyl alcohol
Concen: 392.588 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

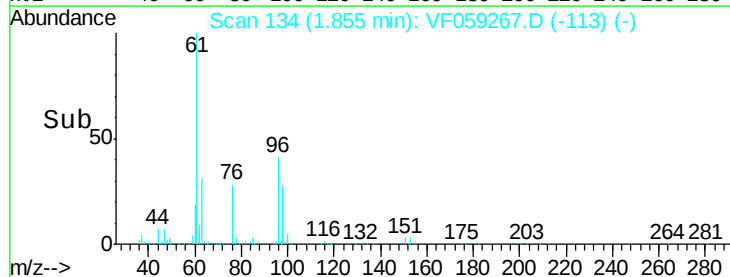
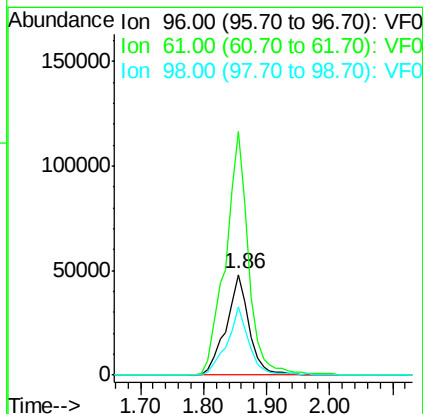
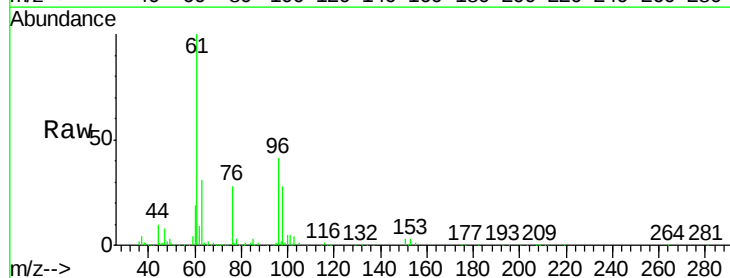
Tgt Ion: 59 Resp: 71763
Ion Ratio Lower Upper
59 100
57 13.3 9.2 13.8

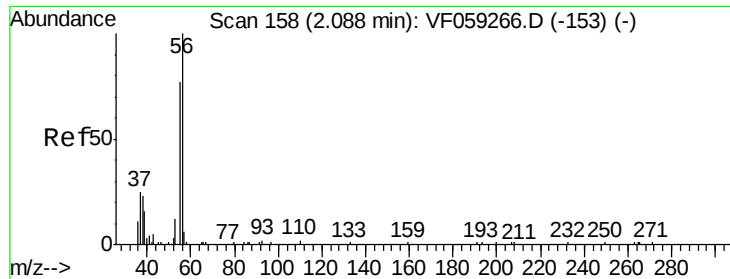


#12

1,1-Dichloroethene
Concen: 80.008 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 96 Resp: 122241
Ion Ratio Lower Upper
96 100
61 242.2 201.4 302.2
98 67.5 50.0 75.0





#13

Acrolein

Concen: 339.787 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

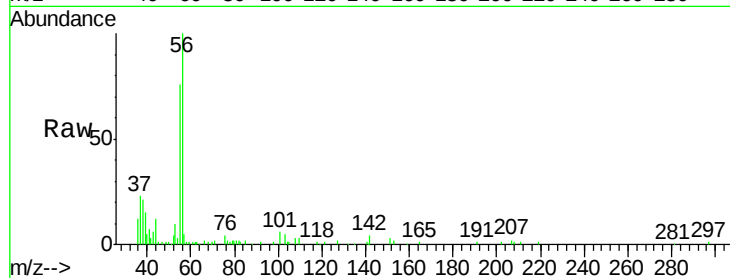
VSTDIC075

Tgt Ion: 56 Resp: 54038

Ion Ratio Lower Upper

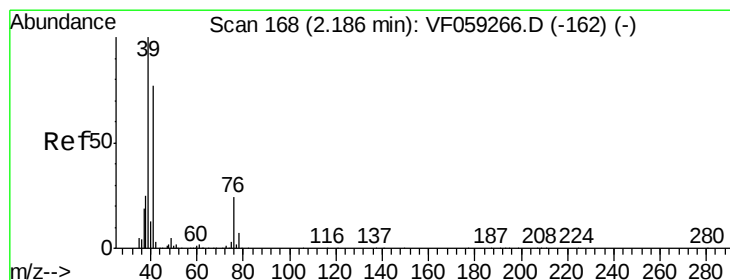
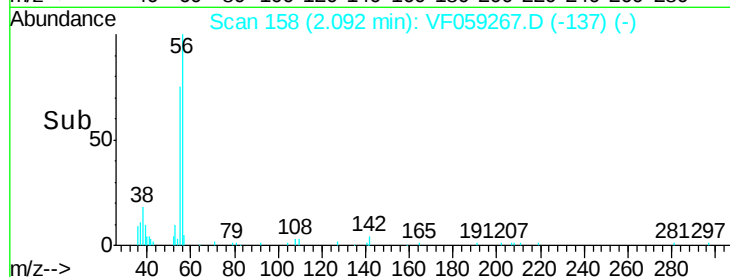
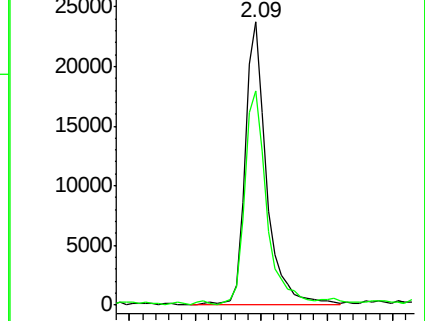
56 100

55 75.6 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 70.395 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

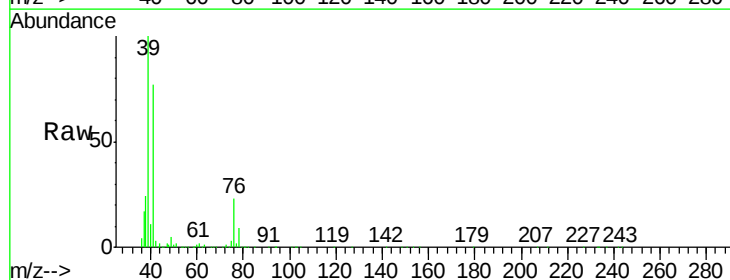
Tgt Ion: 41 Resp: 211707

Ion Ratio Lower Upper

41 100

39 130.0 103.8 155.6

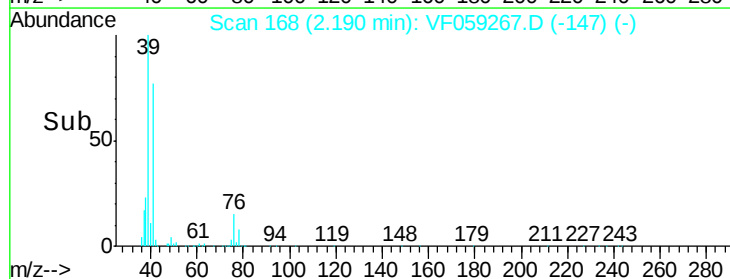
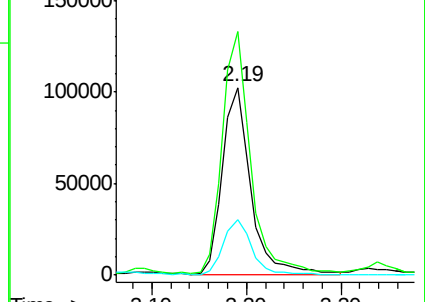
76 29.9 25.0 37.6

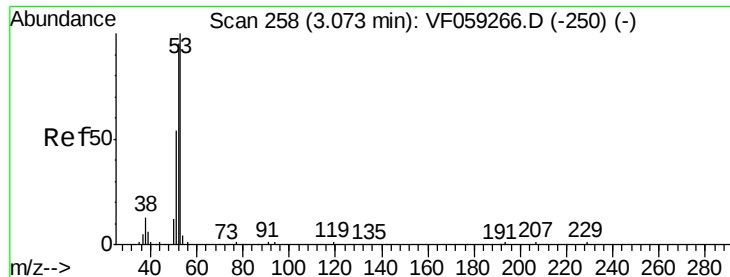


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 414.484 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

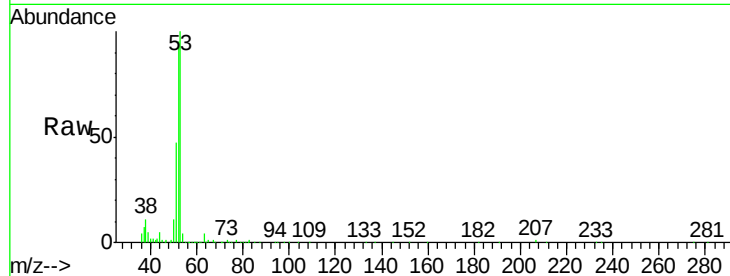
Tgt Ion: 53 Resp: 145427

Ion Ratio Lower Upper

53 100

52 94.9 75.7 113.5

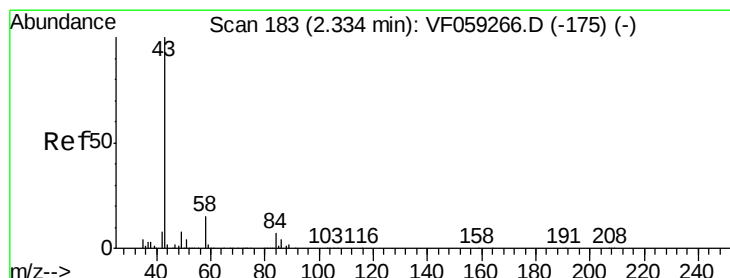
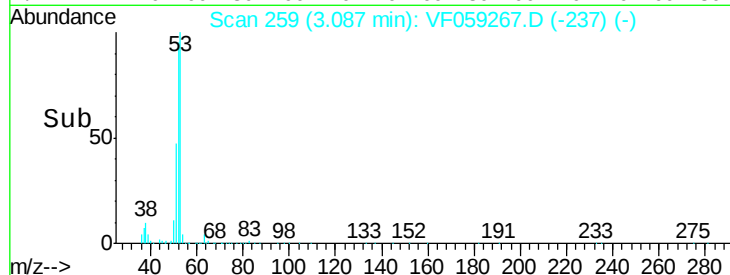
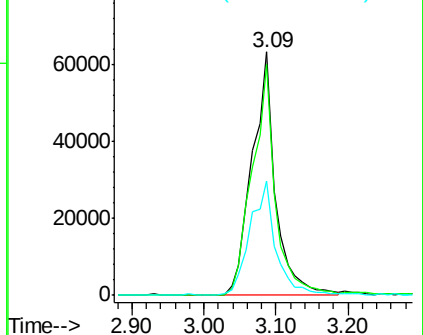
51 46.9 44.5 66.7



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 412.899 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059267.D

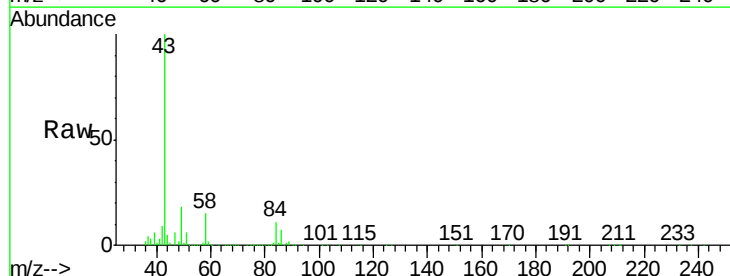
Acq: 21 Jun 2018 17:41

Tgt Ion: 43 Resp: 285522

Ion Ratio Lower Upper

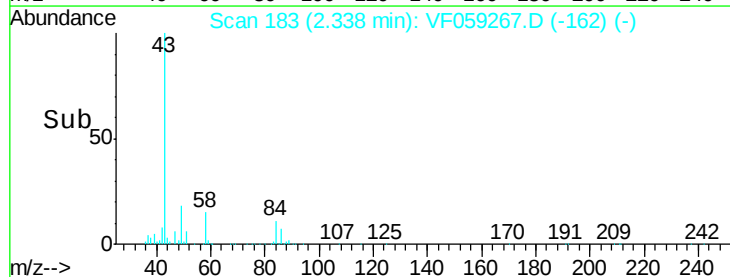
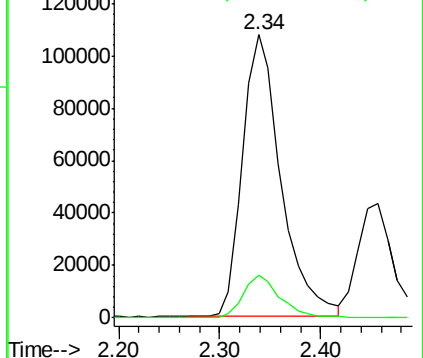
43 100

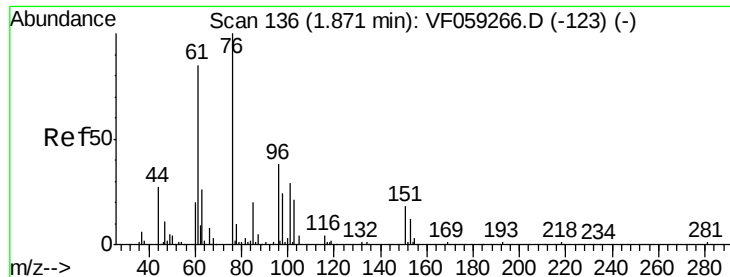
58 14.9 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.369 ug/l

RT: 1.85 min Scan# 133

Delta R.T. -0.03 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

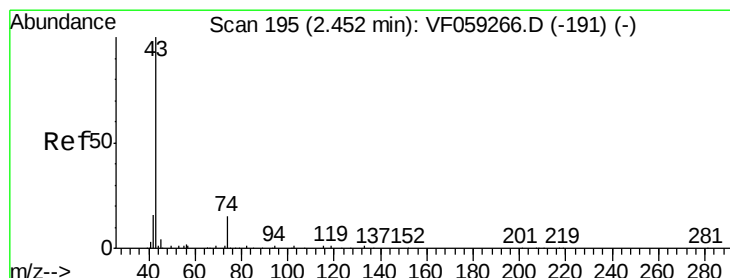
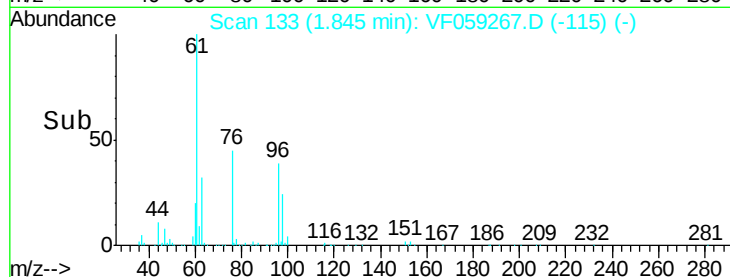
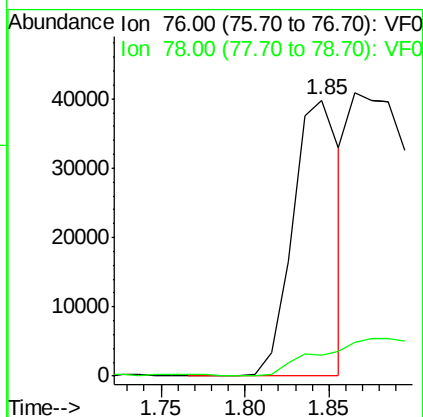
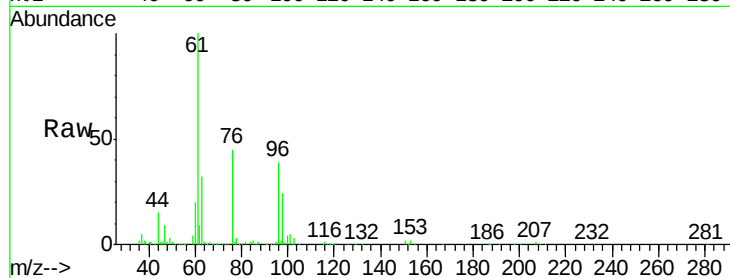
VSTDIC075

Tgt Ion: 76 Resp: 77176

Ion Ratio Lower Upper

76 100

78 7.6 8.6 12.8#



#18

Methyl Acetate

Concen: 113.040 ug/l

RT: 2.54 min Scan# 203

Delta R.T. 0.08 min

Lab File: VF059267.D

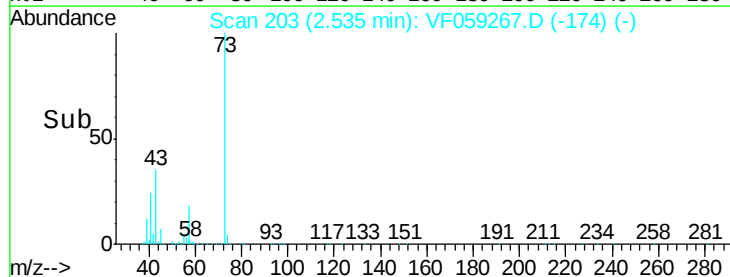
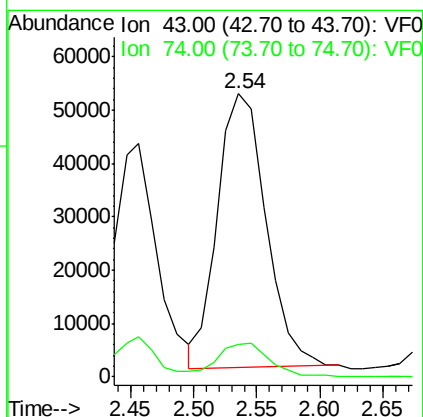
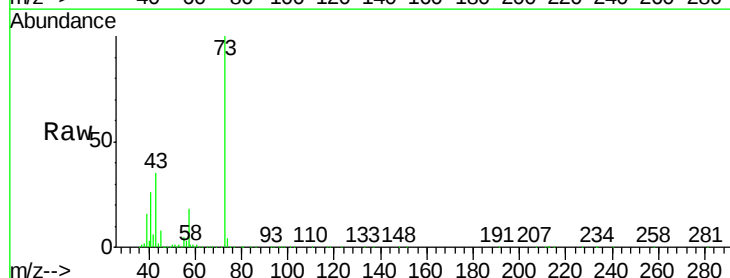
Acq: 21 Jun 2018 17:41

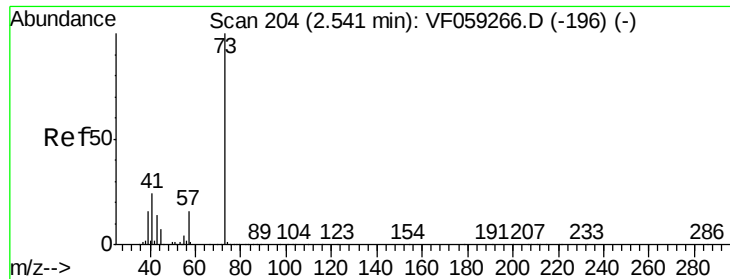
Tgt Ion: 43 Resp: 136723

Ion Ratio Lower Upper

43 100

74 11.5 11.0 16.4



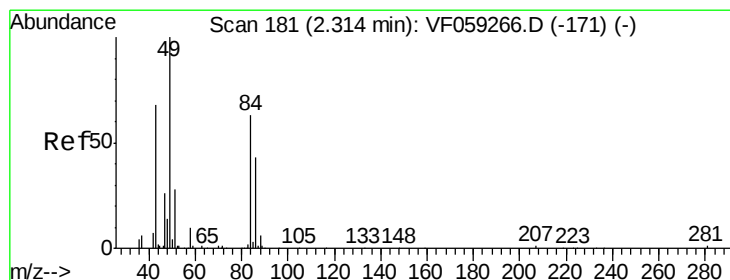
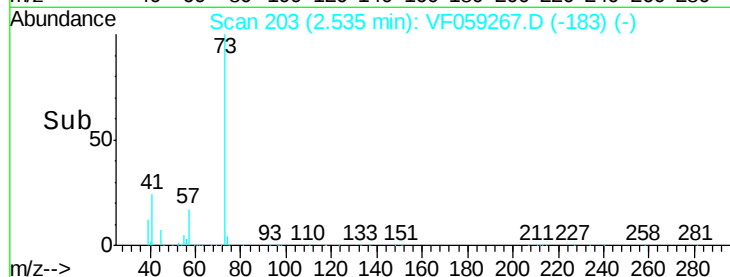
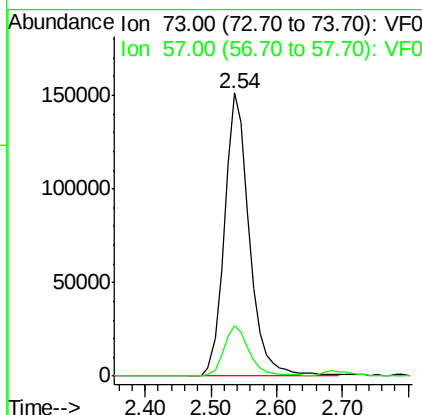
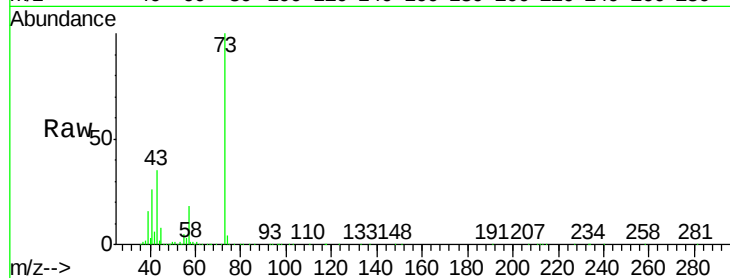


#19

Methyl tert-butyl Ether
Concen: 81.840 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

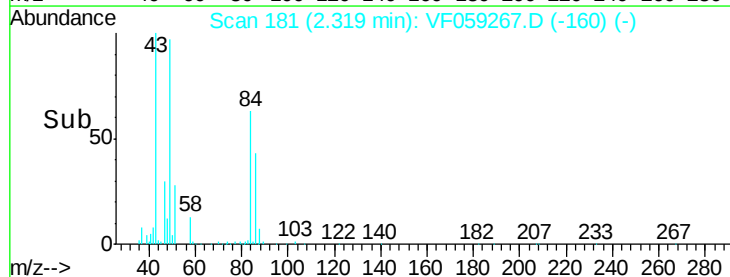
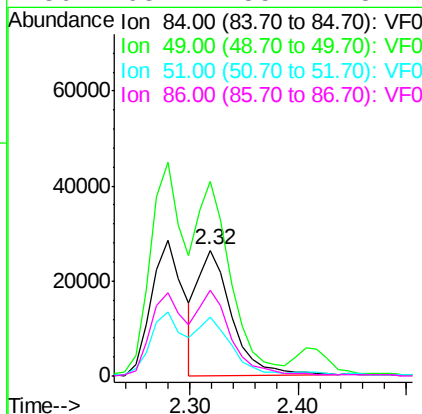
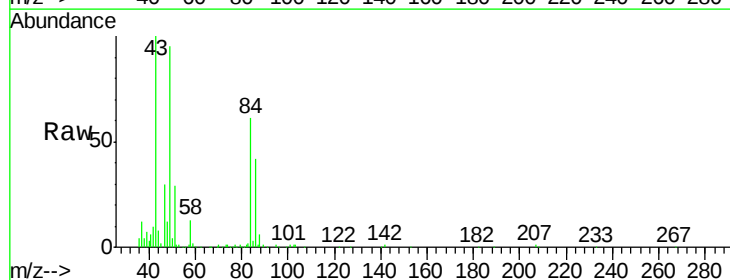
Tgt Ion: 73 Resp: 400563
Ion Ratio Lower Upper
73 100
57 17.8 13.0 19.4

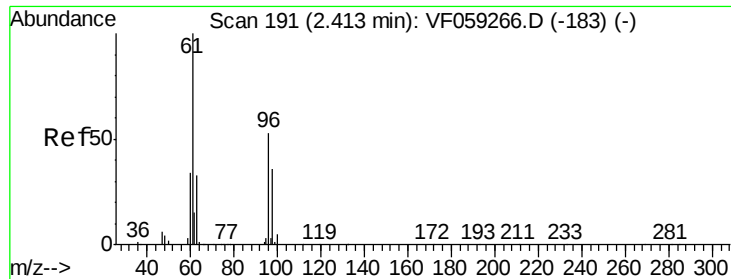


#20

Methylene Chloride
Concen: 35.099 ug/l
RT: 2.32 min Scan# 181
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 84 Resp: 57018
Ion Ratio Lower Upper
84 100
49 154.6 130.0 195.0
51 46.6 36.6 55.0
86 68.4 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 71.517 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

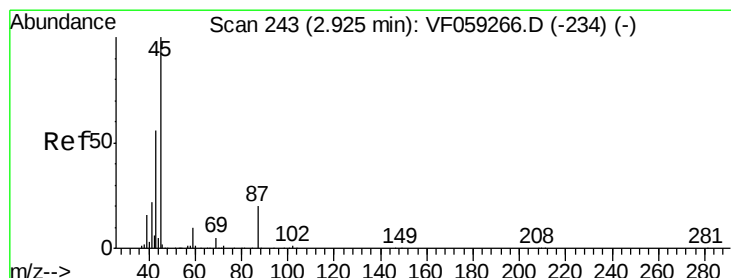
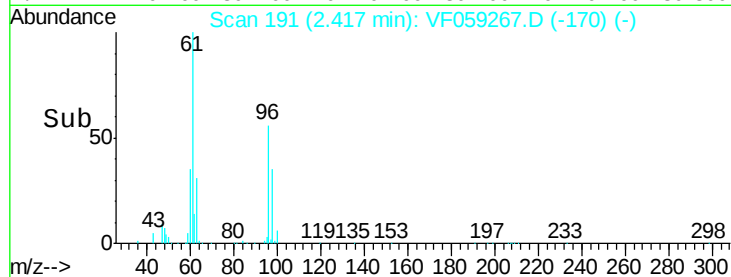
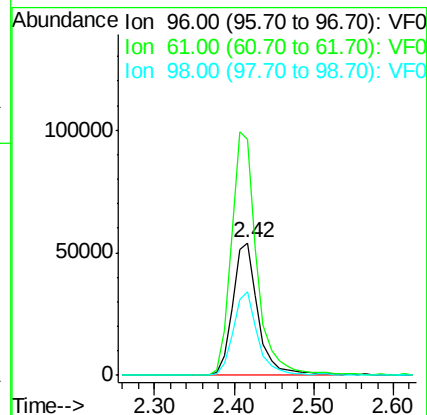
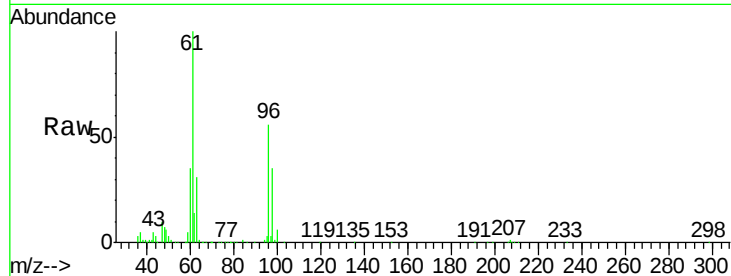
Tgt Ion: 96 Resp: 121346

Ion Ratio Lower Upper

96 100

61 178.1 151.2 226.8

98 62.8 54.2 81.2



#22

Diisopropyl ether

Concen: 73.656 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Tgt Ion: 45 Resp: 443308

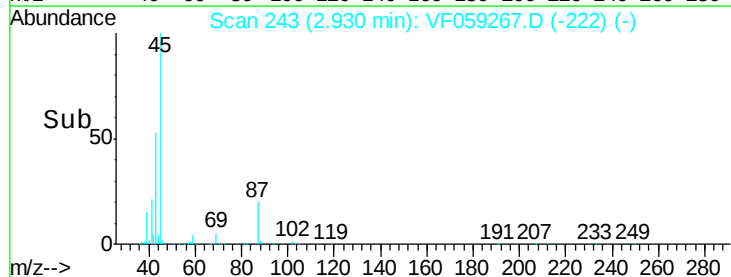
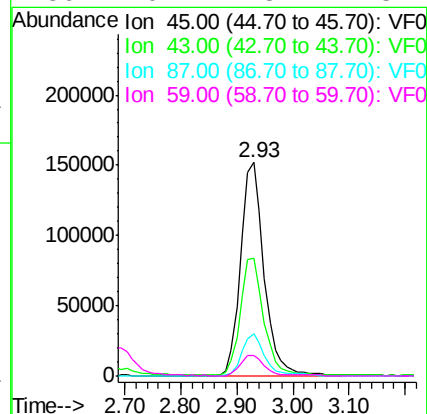
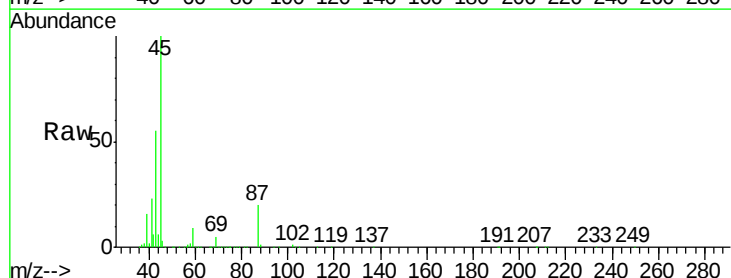
Ion Ratio Lower Upper

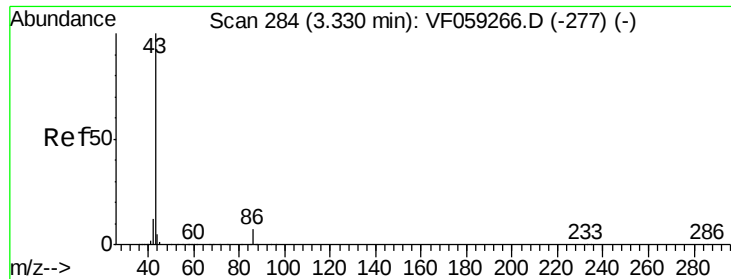
45 100

43 55.2 45.8 68.6

87 19.9 15.7 23.5

59 9.4 8.7 13.1





#23

Vinyl Acetate

Concen: 362.224 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

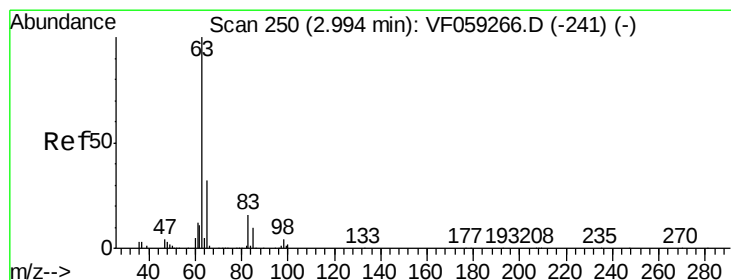
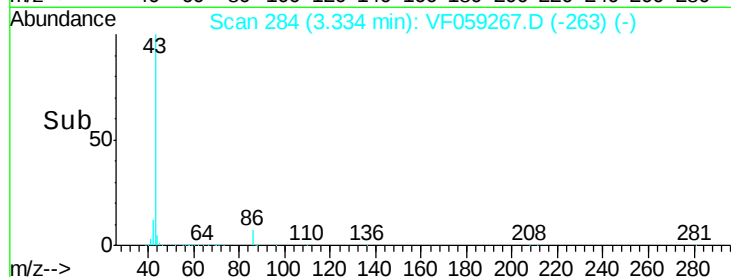
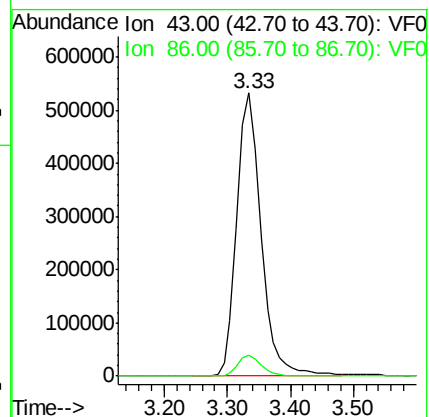
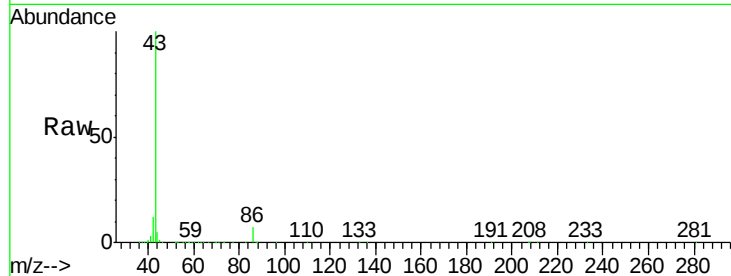
VSTDIC075

Tgt Ion: 43 Resp: 1421818

Ion Ratio Lower Upper

43 100

86 7.3 5.4 8.2



#24

1,1-Dichloroethane

Concen: 75.391 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

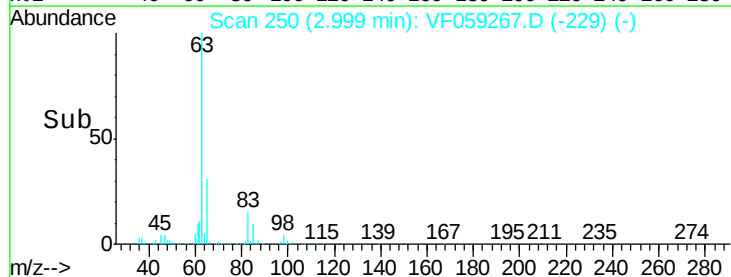
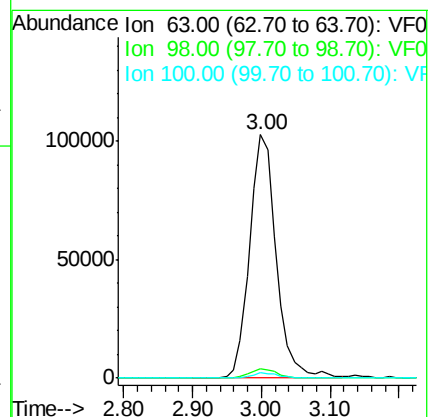
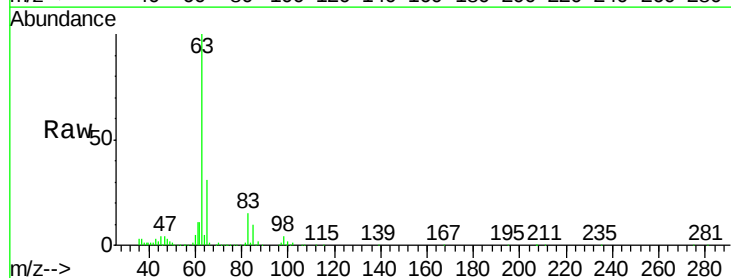
Tgt Ion: 63 Resp: 276427

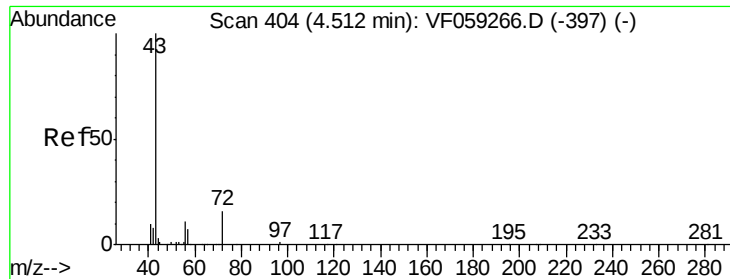
Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 339.242 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

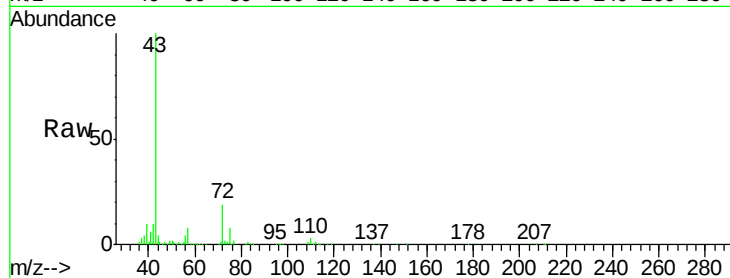
VSTDIC075

Tgt Ion: 43 Resp: 358530

Ion Ratio Lower Upper

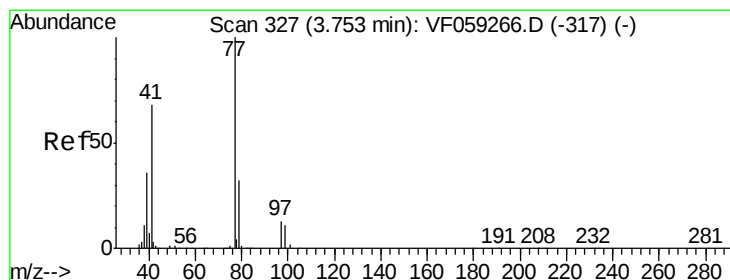
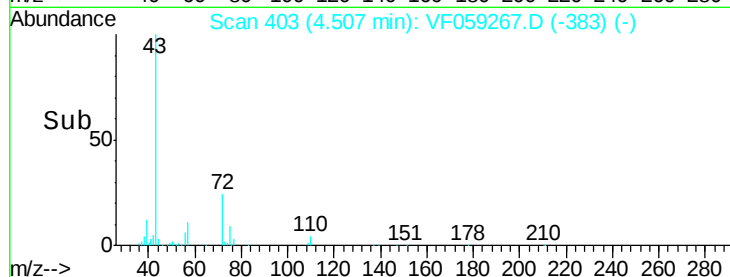
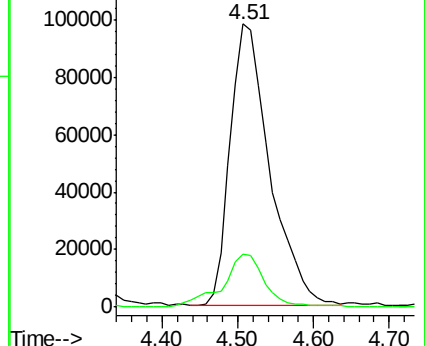
43 100

72 18.9 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 74.132 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059267.D

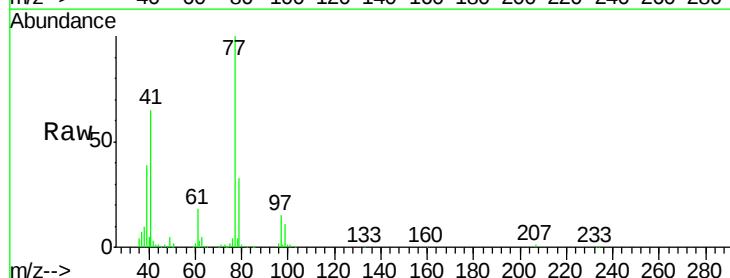
Acq: 21 Jun 2018 17:41

Tgt Ion: 77 Resp: 196226

Ion Ratio Lower Upper

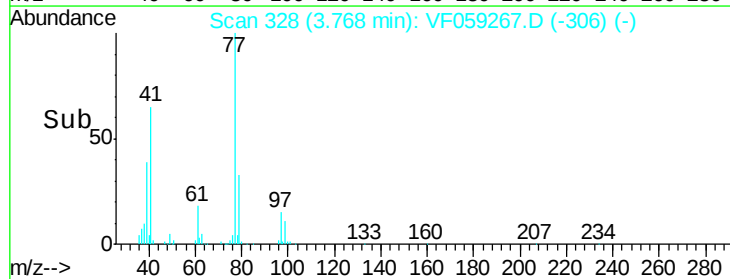
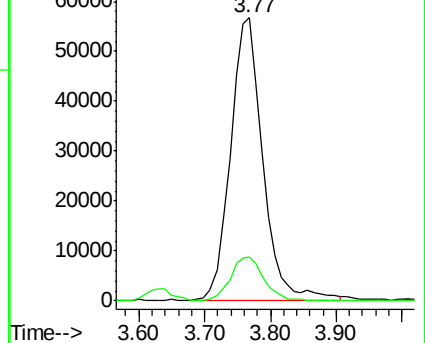
77 100

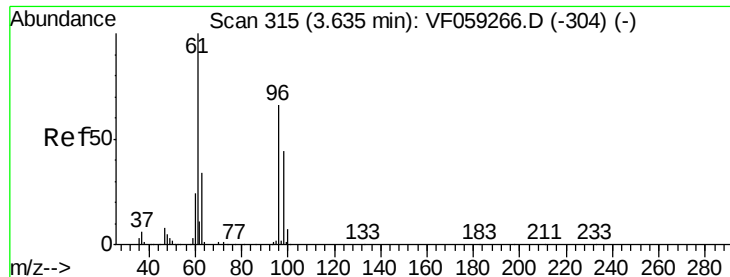
97 15.4 7.6 22.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



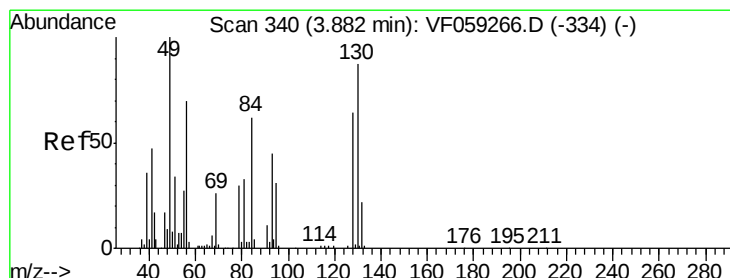
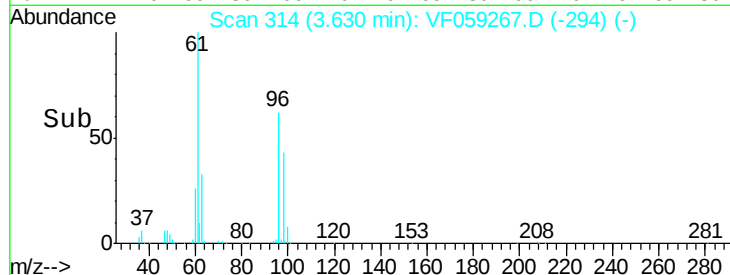
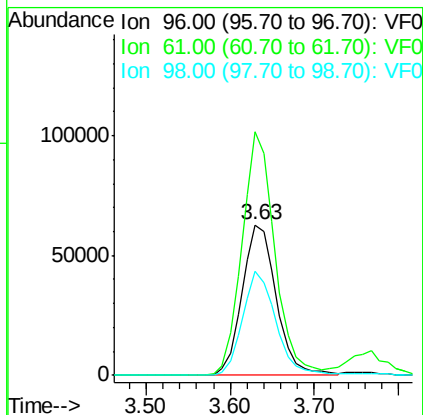
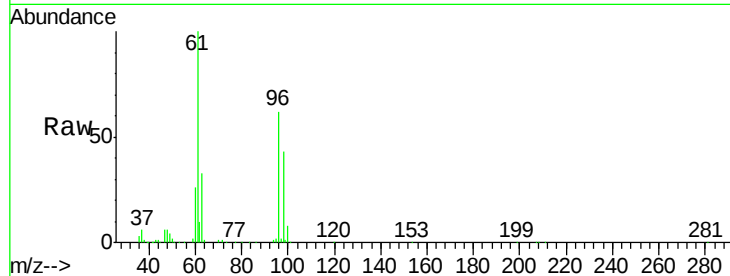


#27

cis-1,2-Dichloroethene
 Concen: 69.139 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

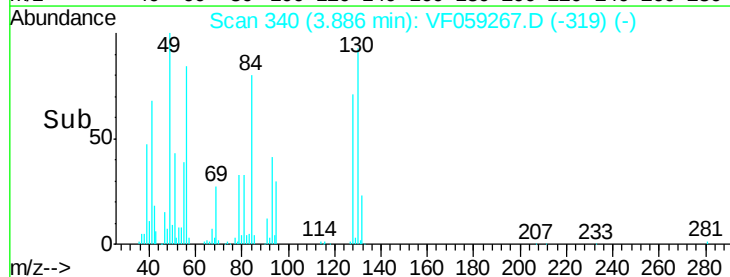
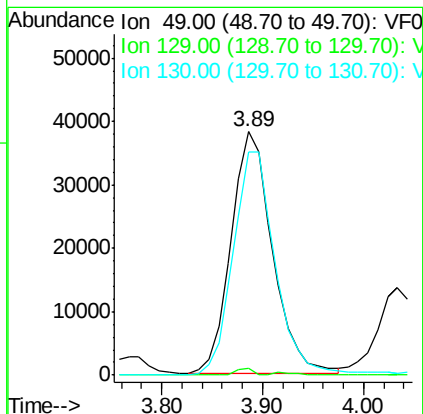
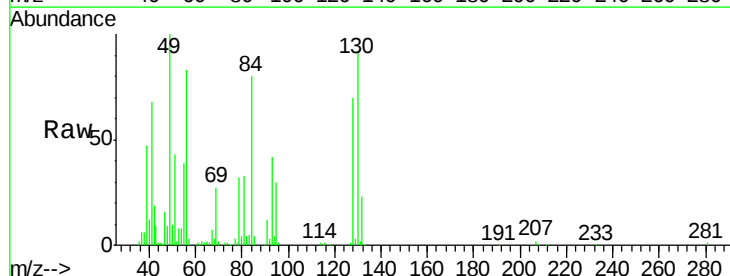
Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	305.0
98	68.8	0.0	134.0

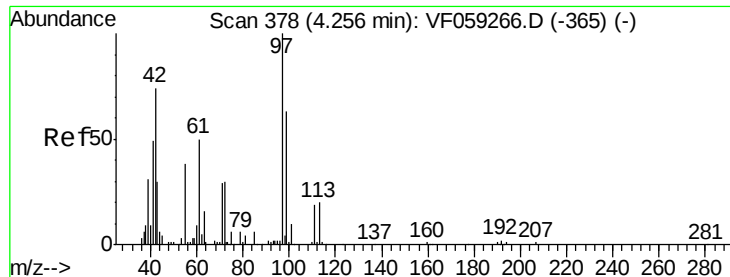


#28

Bromochloromethane
 Concen: 67.031 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.8
130	91.6	69.4	104.2





#29

Tetrahydrofuran

Concen: 338.322 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

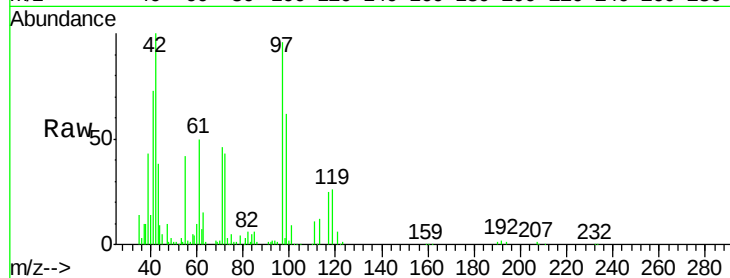
Tgt Ion: 42 Resp: 156007

Ion Ratio Lower Upper

42 100

72 40.3 31.2 46.8

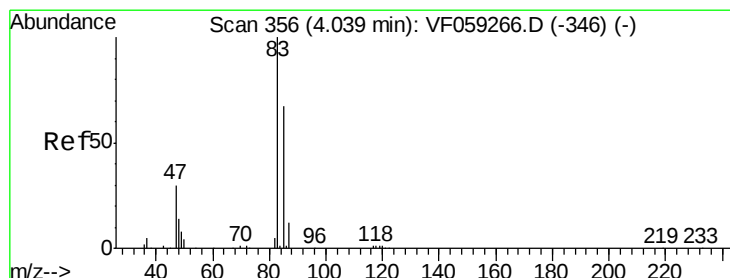
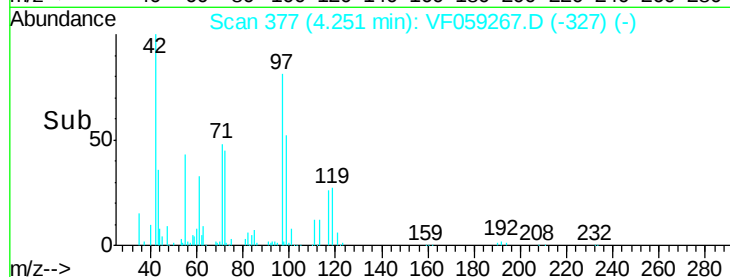
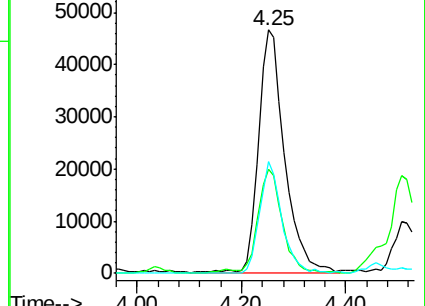
71 39.7 30.2 45.2



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: 77.110 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059267.D

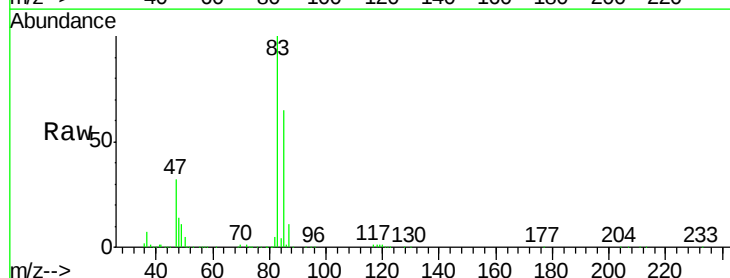
Acq: 21 Jun 2018 17:41

Tgt Ion: 83 Resp: 403207

Ion Ratio Lower Upper

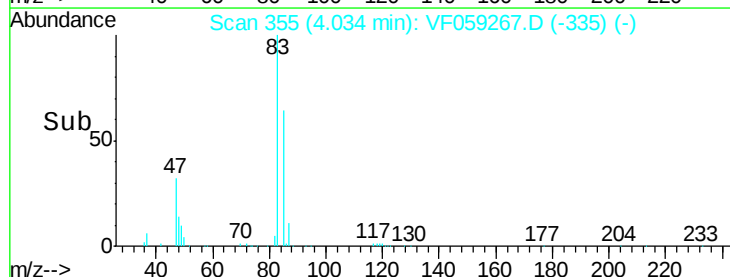
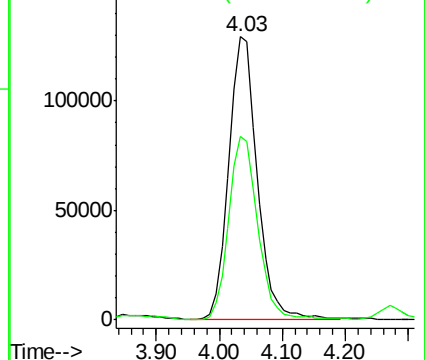
83 100

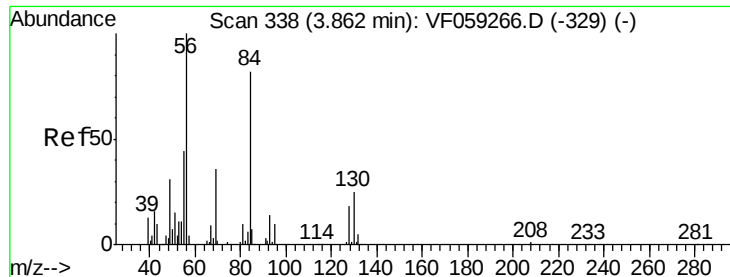
85 64.9 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

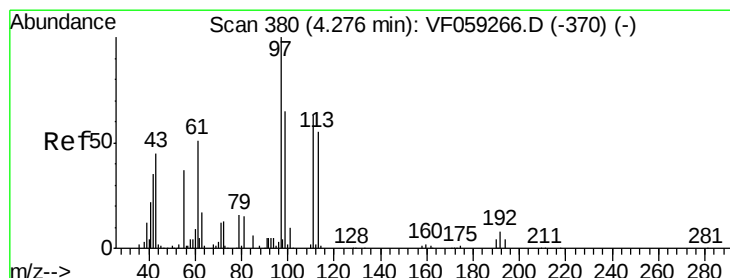
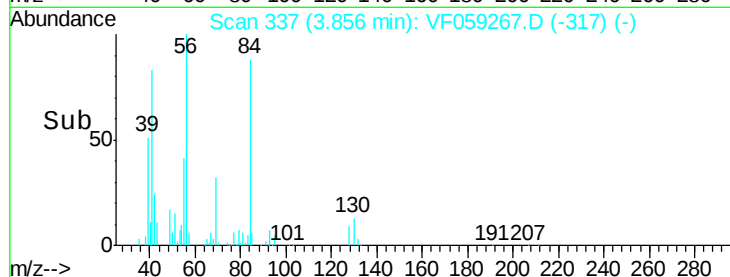
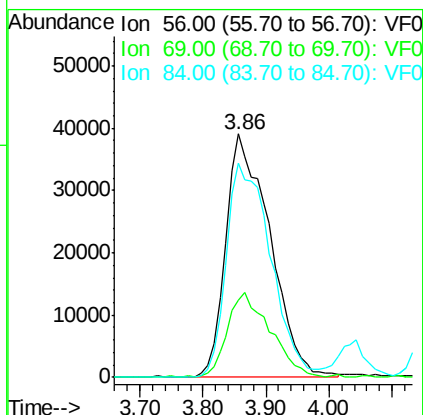
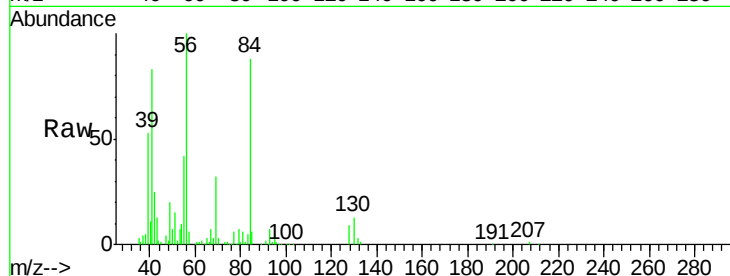




#31
Cyclohexane
Concen: 61.403 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

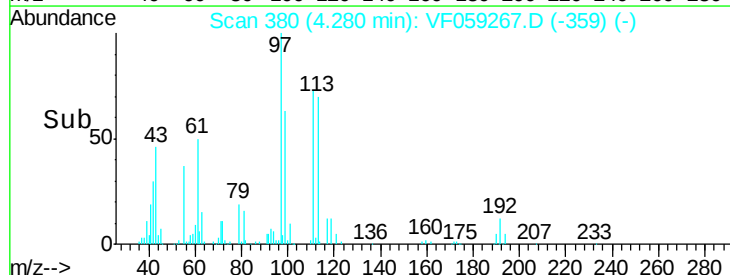
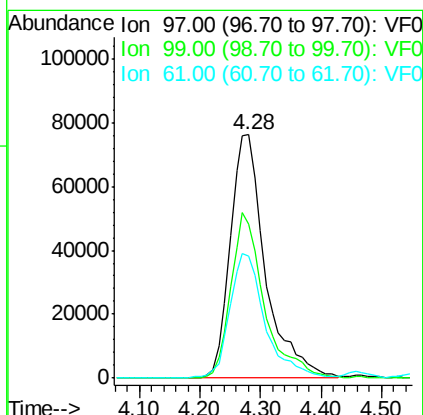
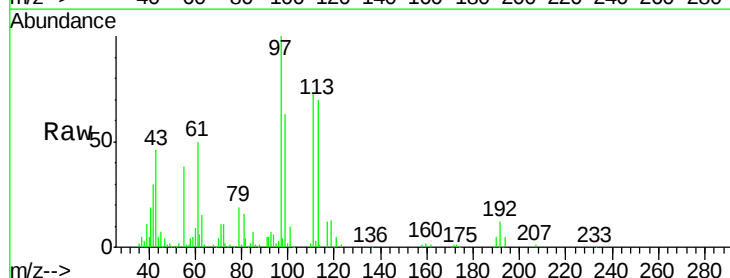
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

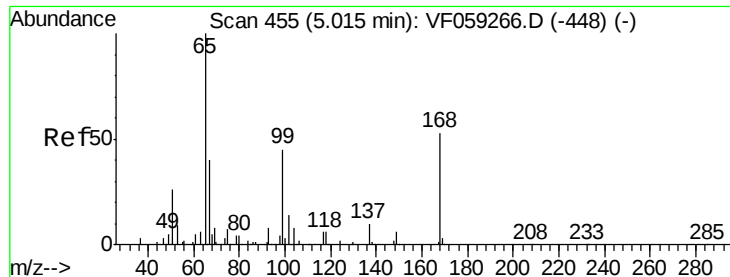
Tgt Ion: 56 Resp: 189869
Ion Ratio Lower Upper
56 100
69 31.9 28.6 43.0
84 88.1 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 78.520 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 97 Resp: 308388
Ion Ratio Lower Upper
97 100
99 63.4 52.4 78.6
61 50.2 40.9 61.3

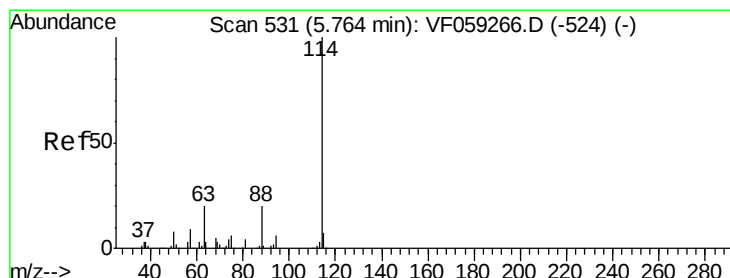
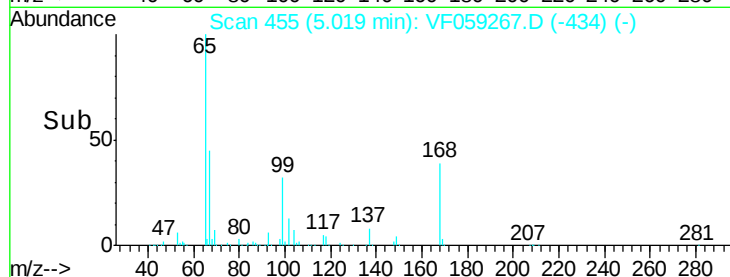
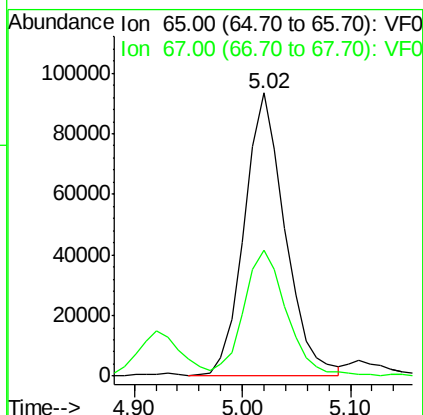
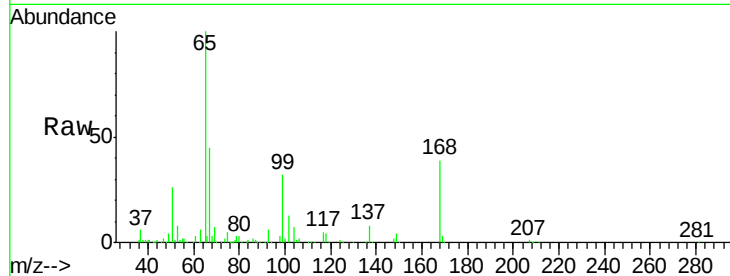




#33
 1,2-Dichloroethane-d4
 Concen: 83.781 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

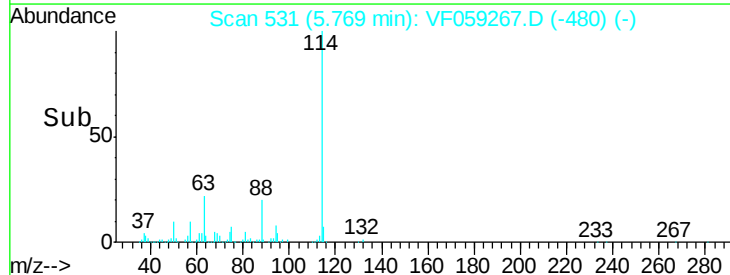
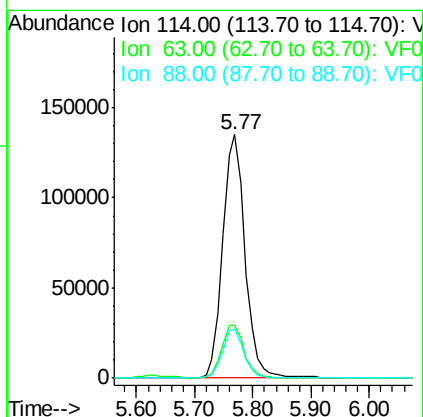
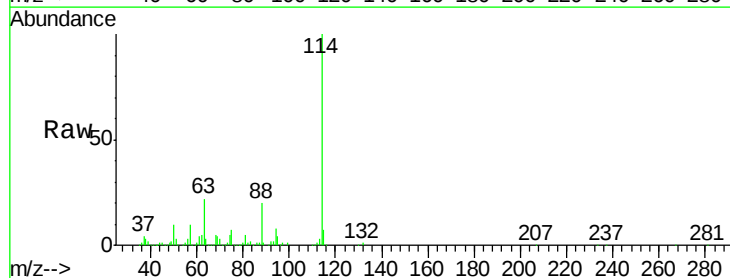
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

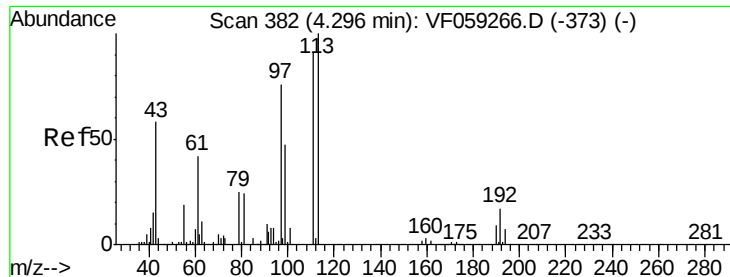
Tgt Ion: 65 Resp: 242946
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion: 114 Resp: 360815
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.0
 88 20.0 0.0 39.6





#35

Dibromofluoromethane

Concen: 83.166 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

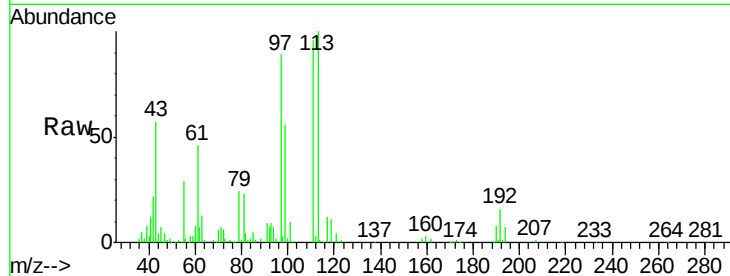
Tgt Ion:113 Resp: 212548

Ion Ratio Lower Upper

113 100

111 96.3 73.1 109.7

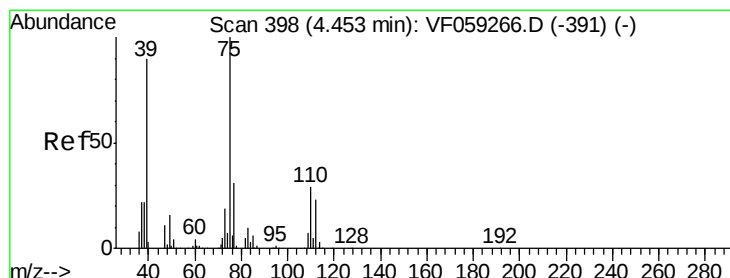
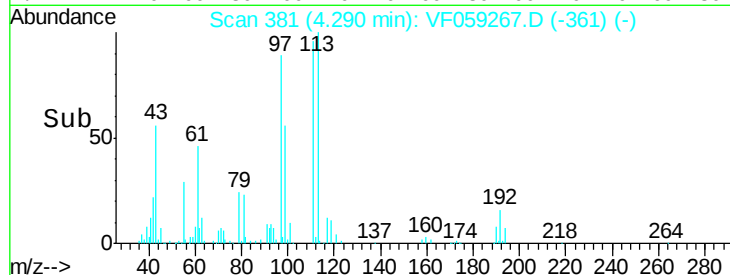
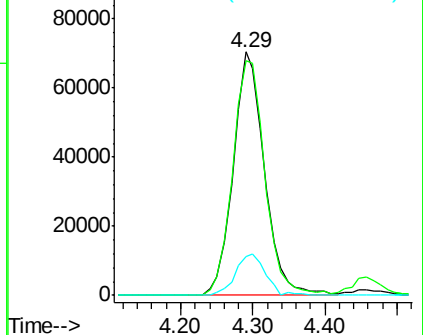
192 15.9 13.9 20.9



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: 75.807 ug/l

RT: 4.46 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

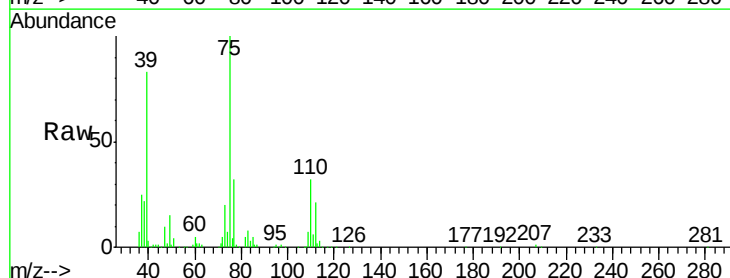
Tgt Ion: 75 Resp: 265998

Ion Ratio Lower Upper

75 100

110 31.6 14.5 43.5

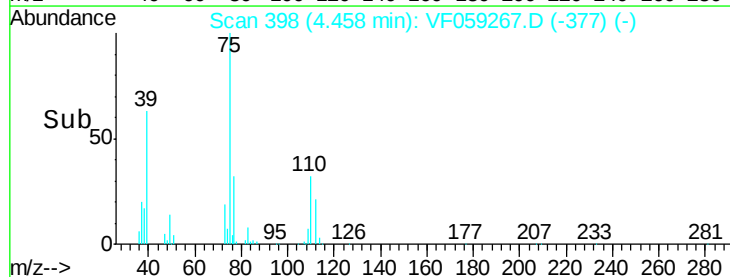
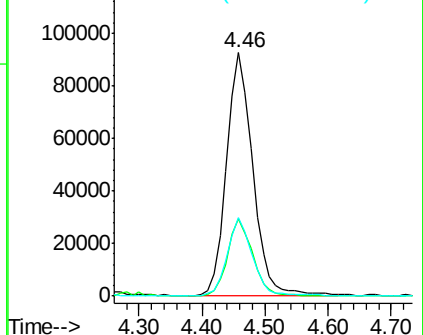
77 32.0 25.0 37.6

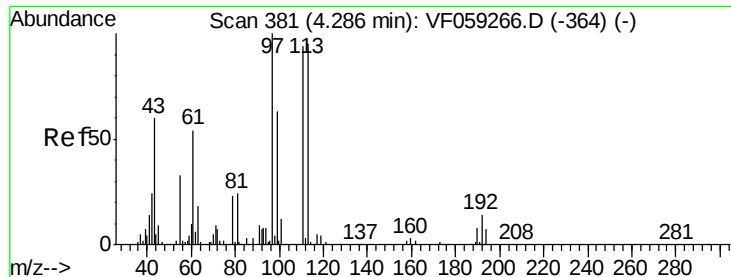


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

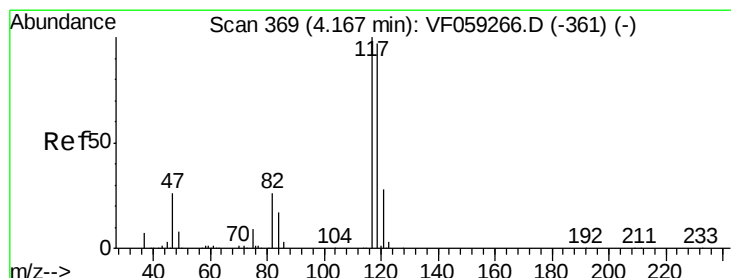
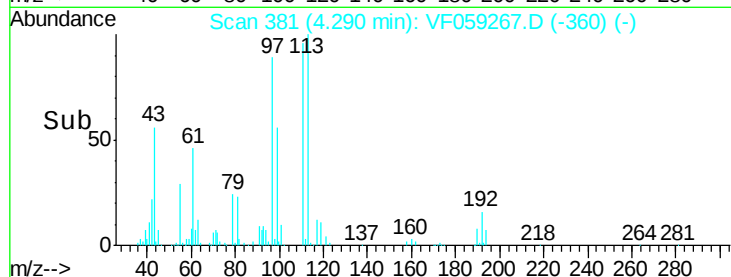
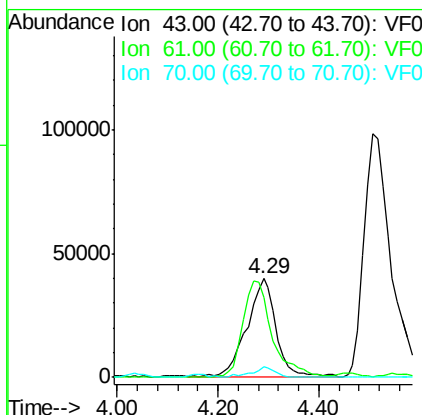
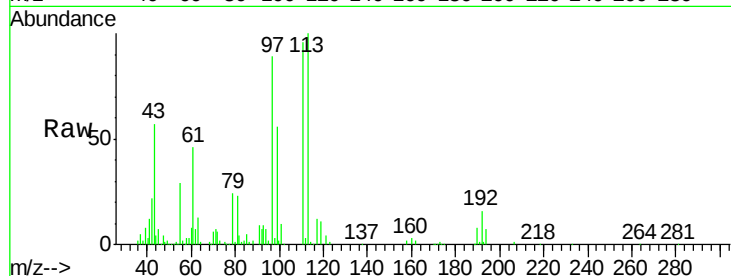




#37
Ethyl Acetate
Concen: 73.452 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

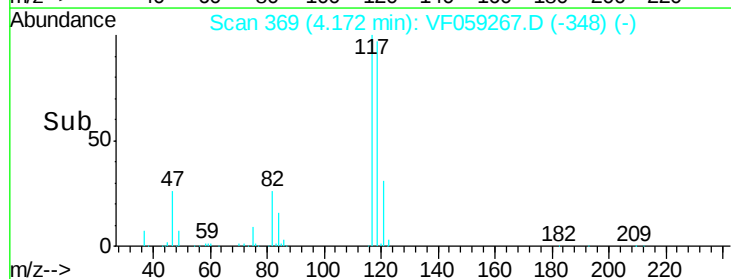
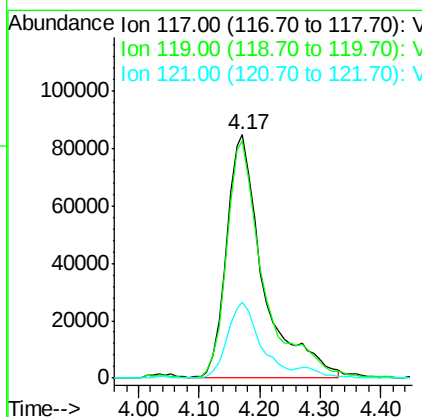
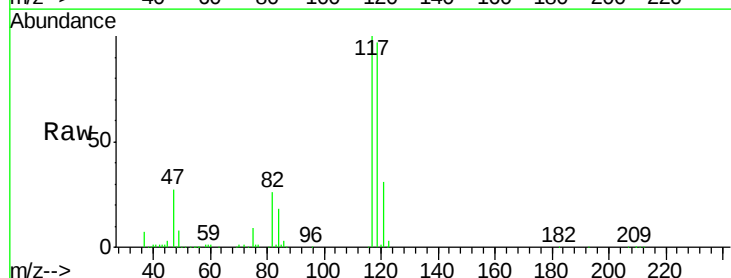
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

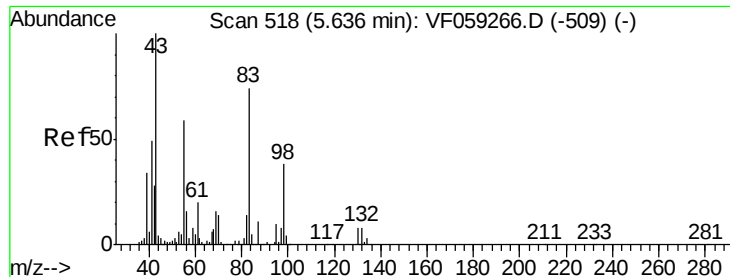
Tgt Ion: 43 Resp: 160899
Ion Ratio Lower Upper
43 100
61 81.1 71.6 107.4
70 10.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 91.365 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 117 Resp: 355655
Ion Ratio Lower Upper
117 100
119 97.2 77.5 116.3
121 31.2 22.2 33.4

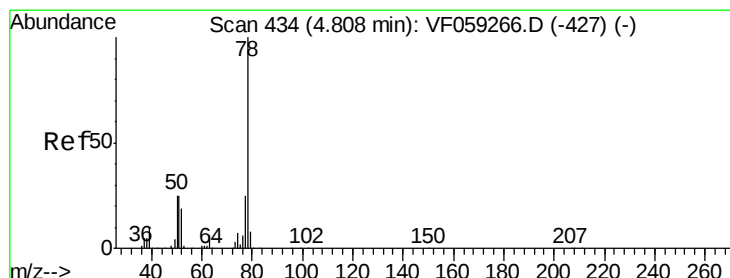
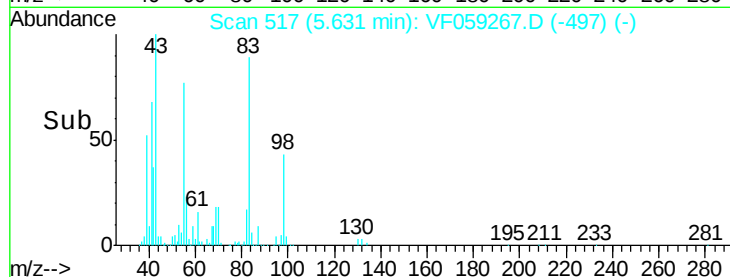
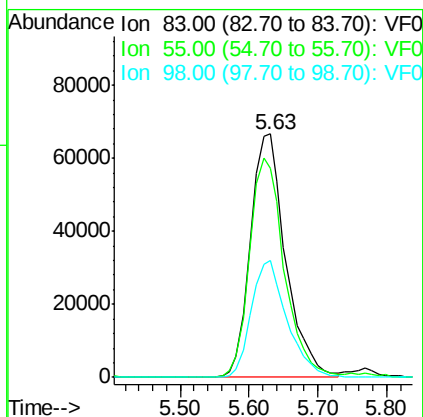
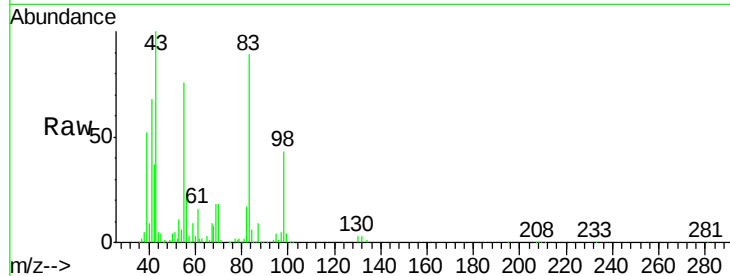




#39
Methylcyclohexane
Concen: 68.436 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

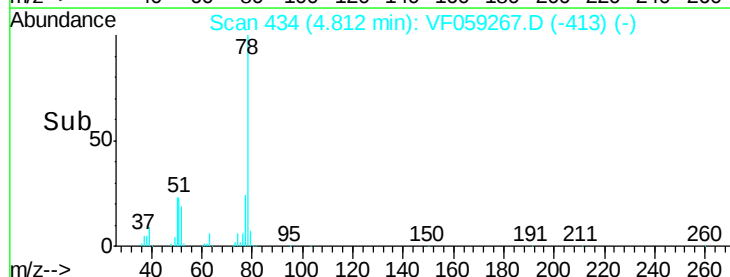
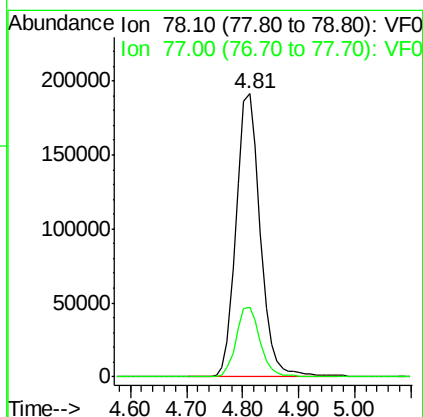
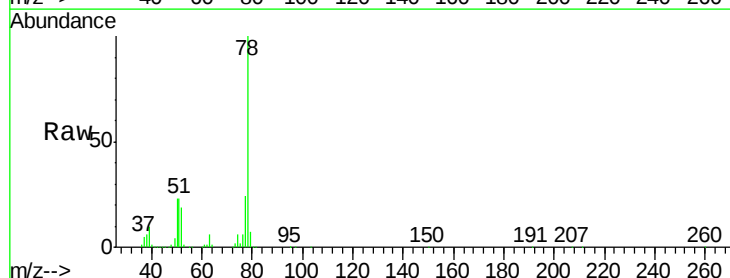
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

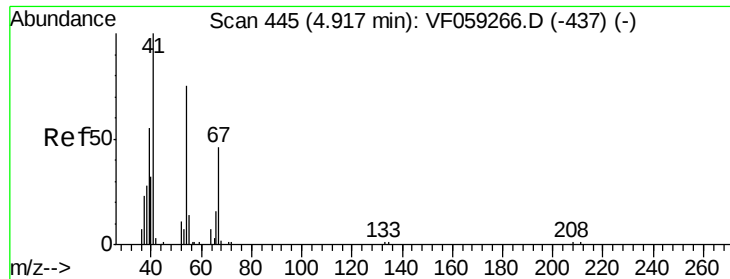
Tgt Ion: 83 Resp: 237806
Ion Ratio Lower Upper
83 100
55 85.9 63.7 95.5
98 48.2 41.6 62.4



#40
Benzene
Concen: 71.152 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 78 Resp: 573745
Ion Ratio Lower Upper
78 100
77 24.4 20.4 30.6

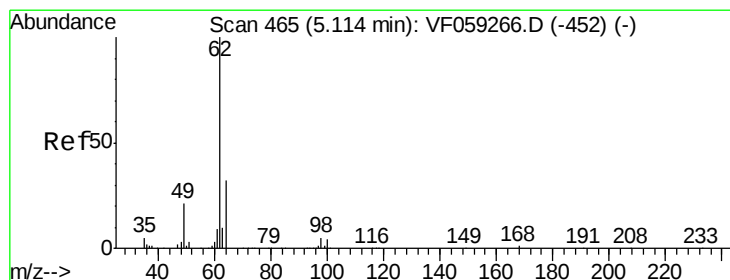
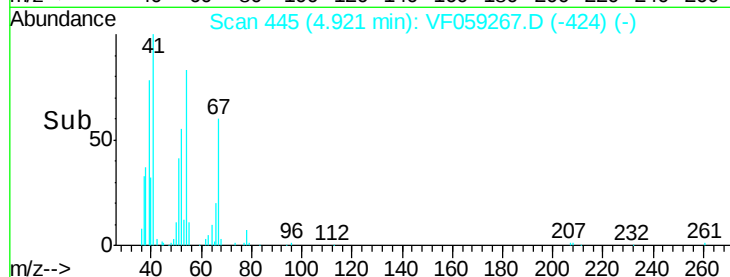
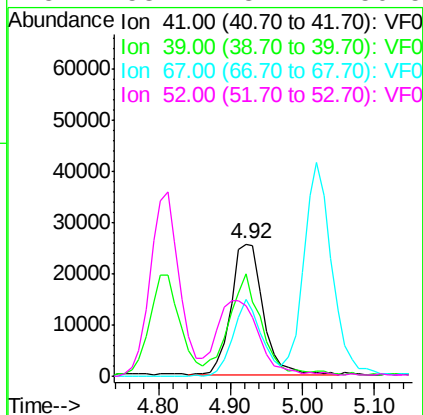
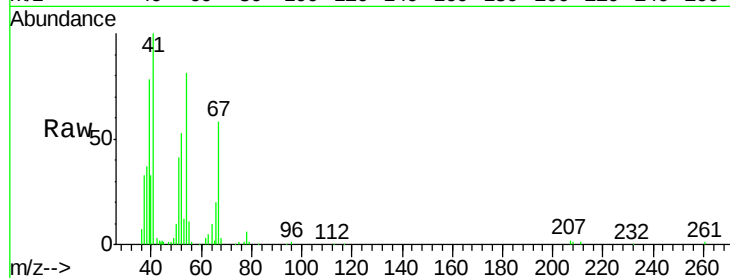




#41
Methacrylonitrile
Concen: 73.709 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

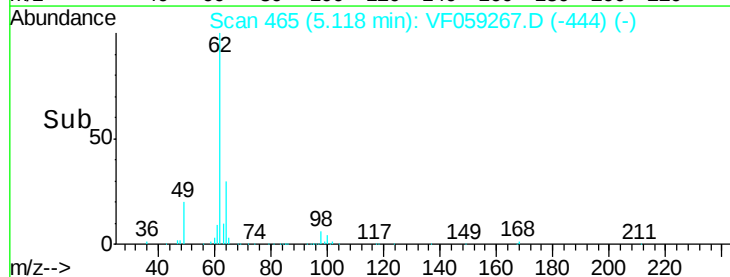
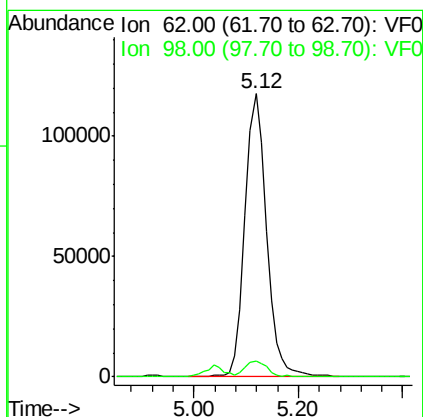
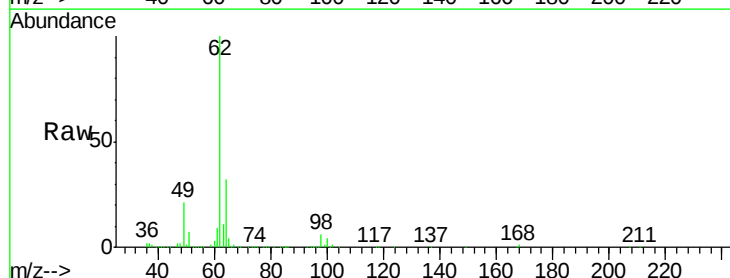
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

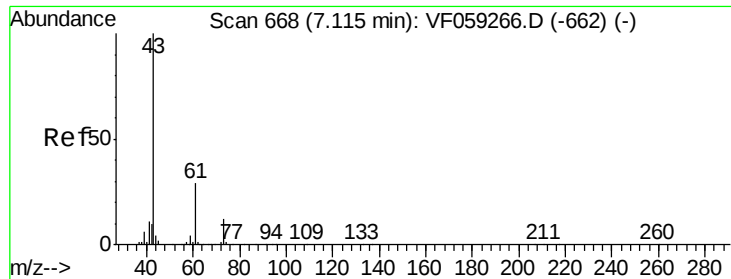
Tgt Ion:	41	Resp:	79267
Ion	Ratio	Lower	Upper
41	100		
39	77.8	57.0	85.6
67	58.2	36.8	55.2#
52	53.4	37.7	56.5



#42
1,2-Dichloroethane
Concen: 86.282 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion:	62	Resp:	328851
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	10.4



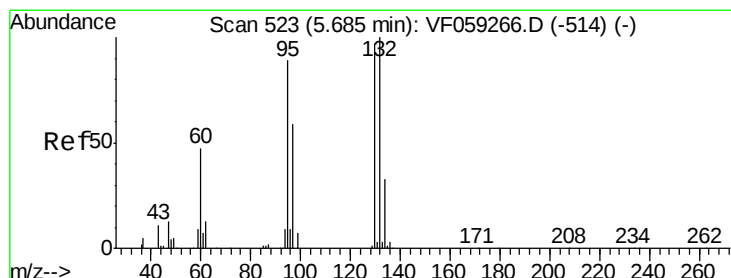
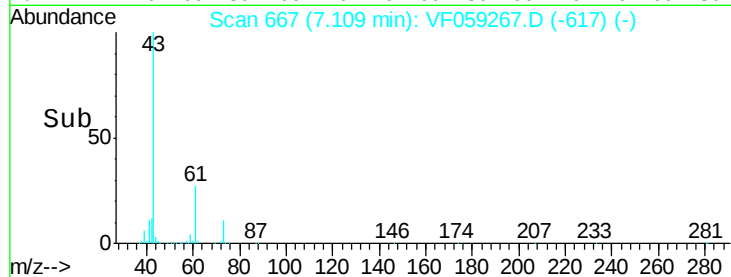
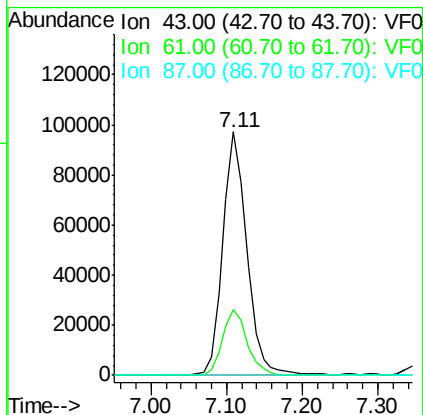
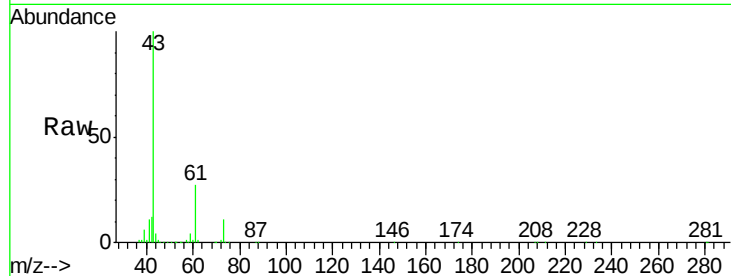


#43

Isopropyl Acetate
 Concen: 72.533 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

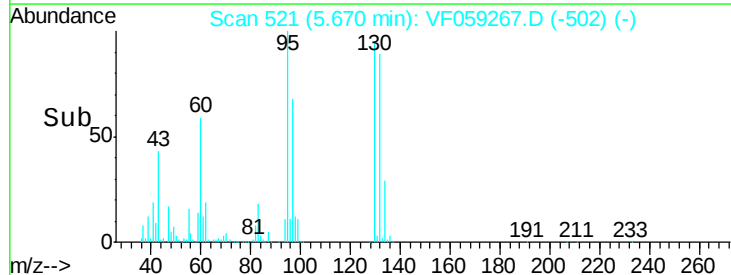
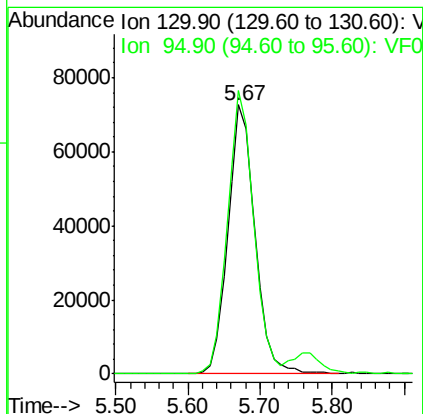
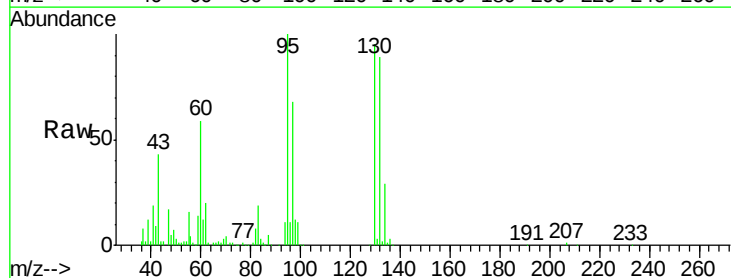
Tgt Ion: 43 Resp: 213469
 Ion Ratio Lower Upper
 43 100
 61 26.7 22.8 34.2
 87 0.4 0.3 0.5

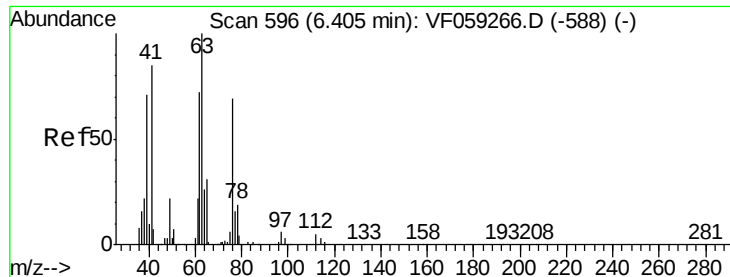


#44

Trichloroethene
 Concen: 73.193 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion: 130 Resp: 189389
 Ion Ratio Lower Upper
 130 100
 95 105.3 0.0 183.6





#45

1,2-Dichloropropane

Concen: 73.034 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

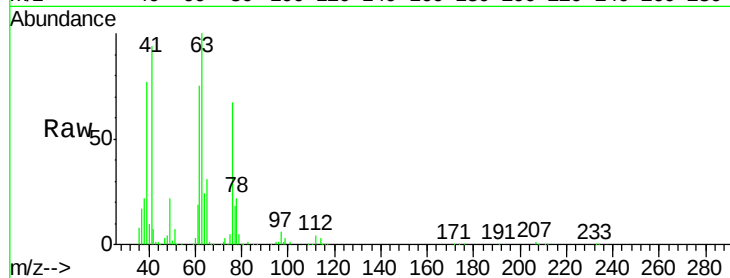
VSTDIC075

Tgt Ion: 63 Resp: 170463

Ion Ratio Lower Upper

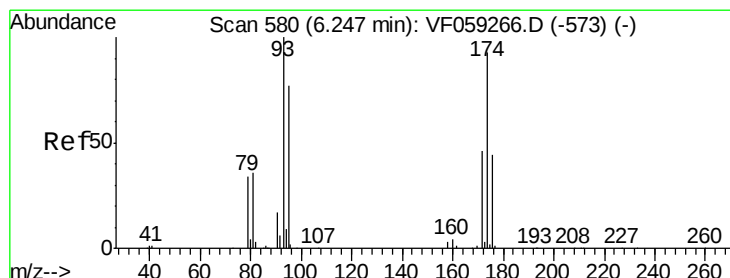
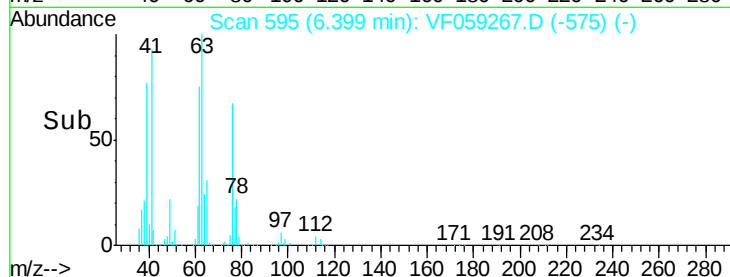
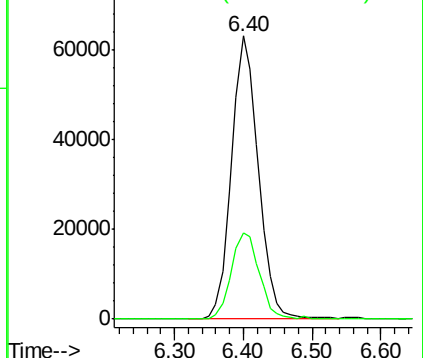
63 100

65 30.5 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 78.118 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

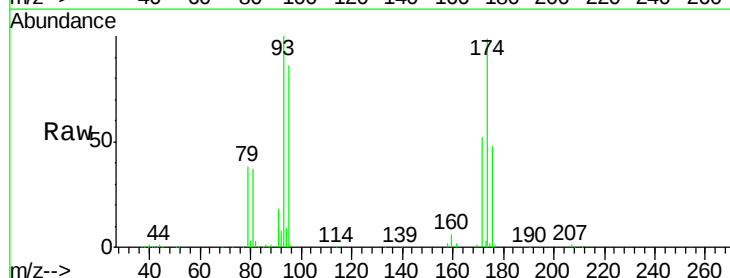
Tgt Ion: 93 Resp: 139013

Ion Ratio Lower Upper

93 100

95 85.9 61.8 92.6

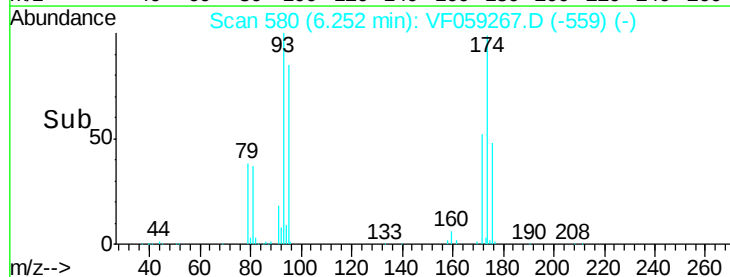
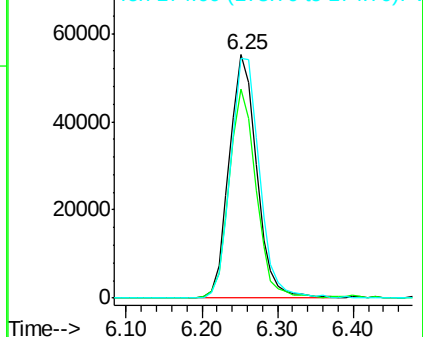
174 98.7 74.4 111.6

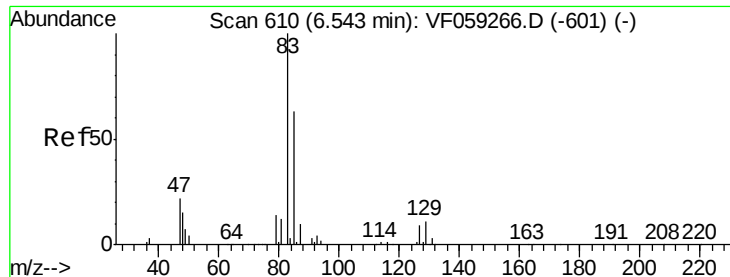


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 83.413 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

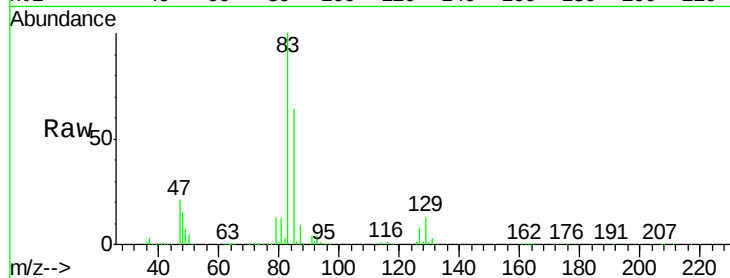
Tgt Ion: 83 Resp: 342603

Ion Ratio Lower Upper

83 100

85 63.7 50.3 75.5

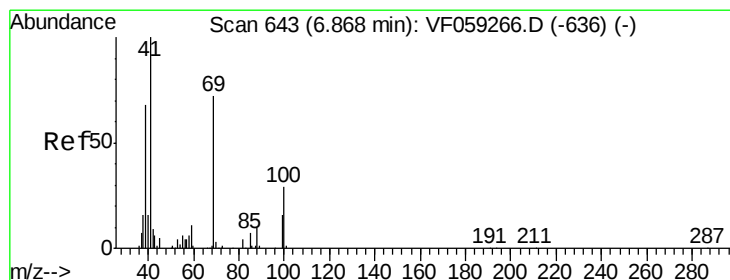
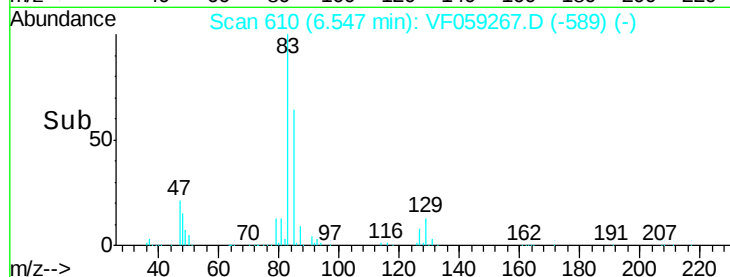
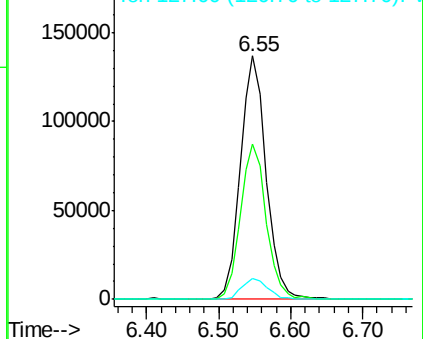
127 8.4 7.0 10.4



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: 80.122 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

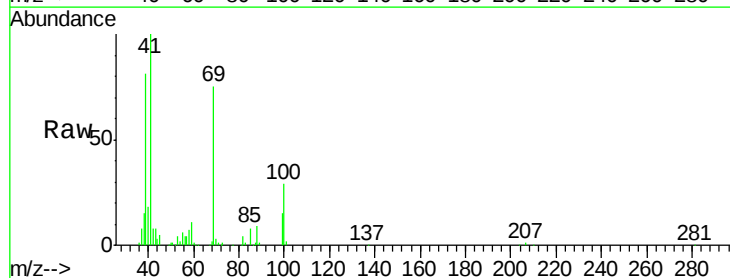
Tgt Ion: 41 Resp: 144415

Ion Ratio Lower Upper

41 100

69 74.6 57.4 86.2

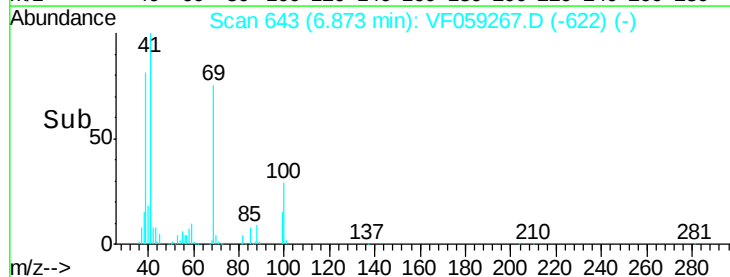
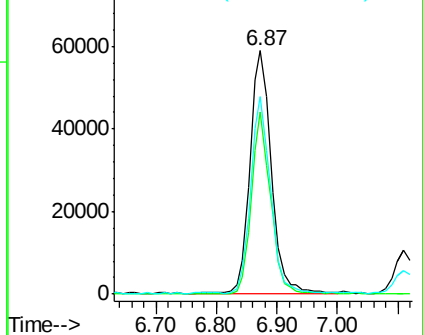
39 80.9 54.8 82.2

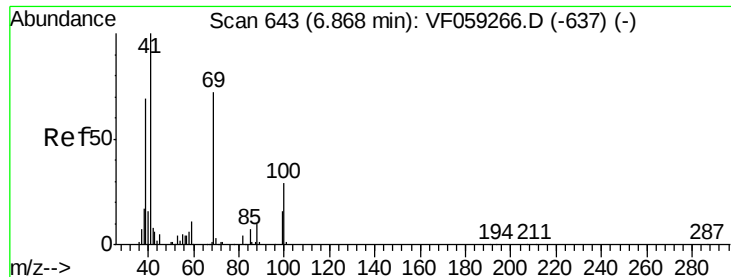


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1484.572 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

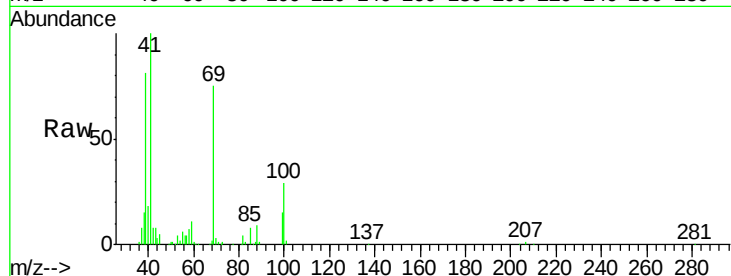
Tgt Ion: 88 Resp: 17724

Ion Ratio Lower Upper

88 100

43 83.8 55.5 83.3#

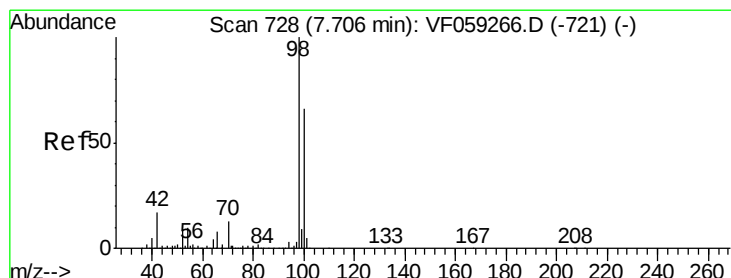
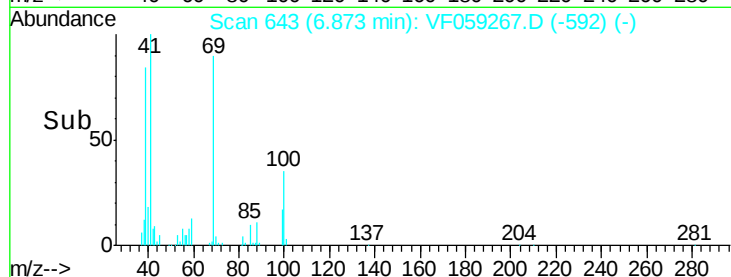
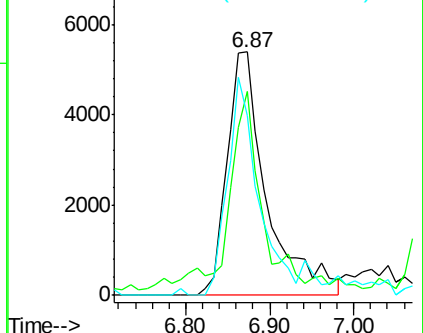
58 73.9 50.1 75.1



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: 74.216 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059267.D

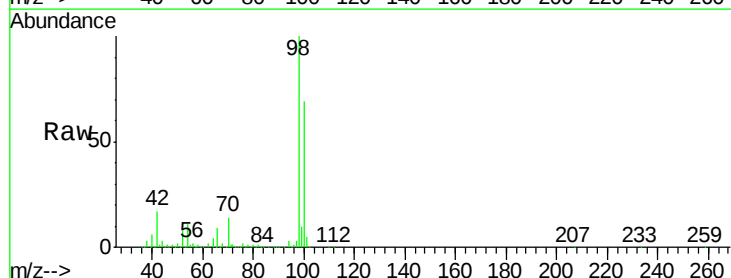
Acq: 21 Jun 2018 17:41

Tgt Ion: 98 Resp: 545064

Ion Ratio Lower Upper

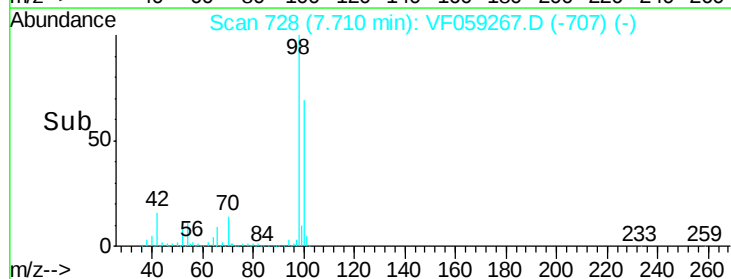
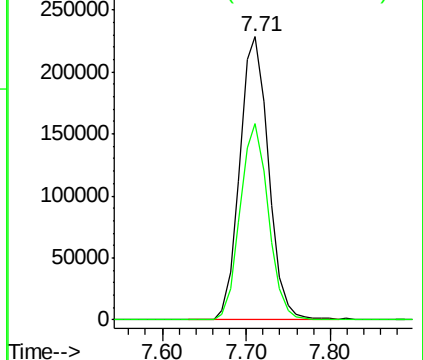
98 100

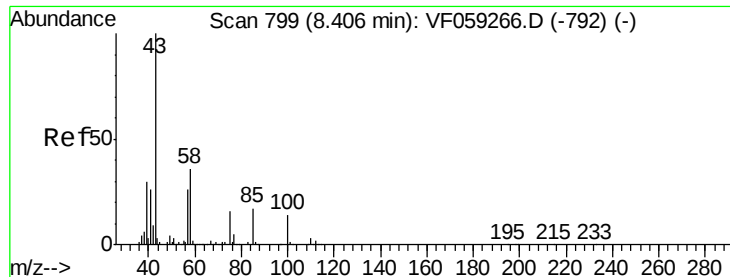
100 69.2 52.8 79.2



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: 352.794 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

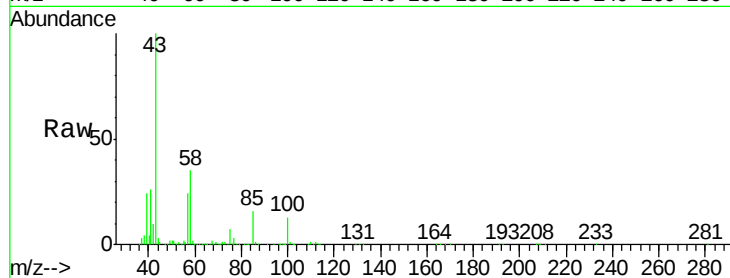
VSTDIC075

Tgt Ion: 43 Resp: 712865

Ion Ratio Lower Upper

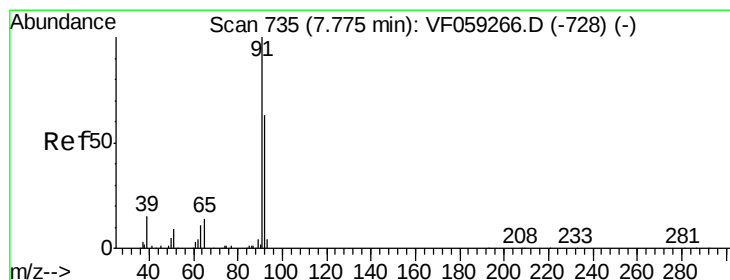
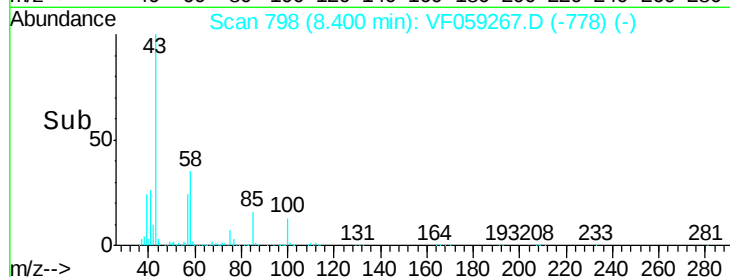
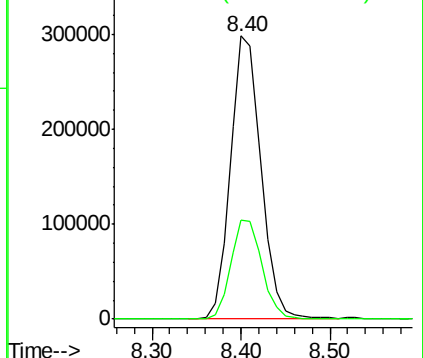
43 100

58 35.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 71.161 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059267.D

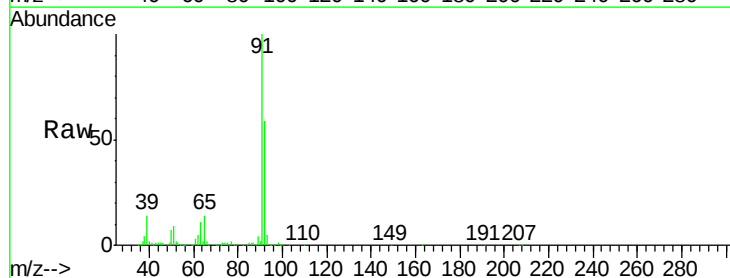
Acq: 21 Jun 2018 17:41

Tgt Ion: 92 Resp: 417017

Ion Ratio Lower Upper

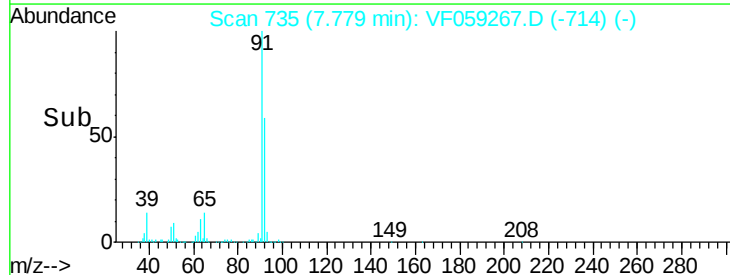
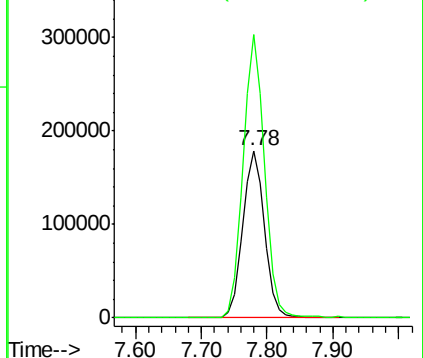
92 100

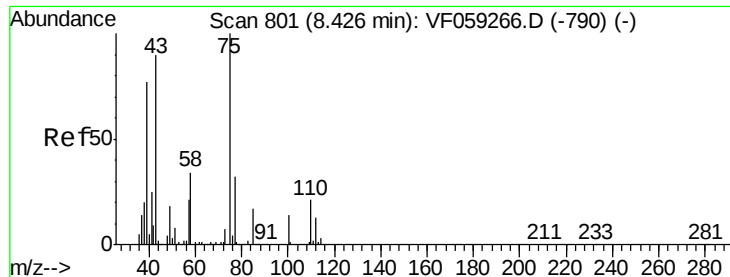
91 169.5 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 74.050 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

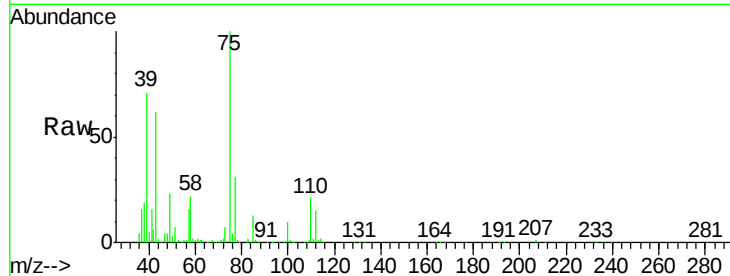
VSTDIC075

Tgt Ion: 75 Resp: 296780

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

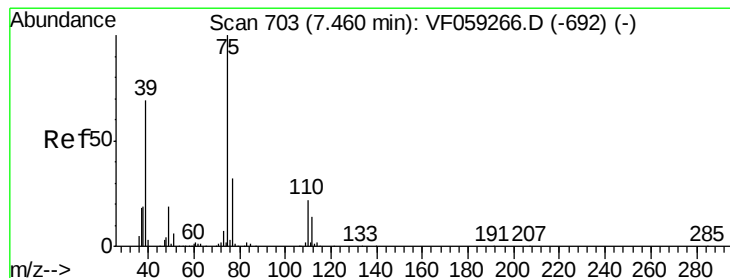
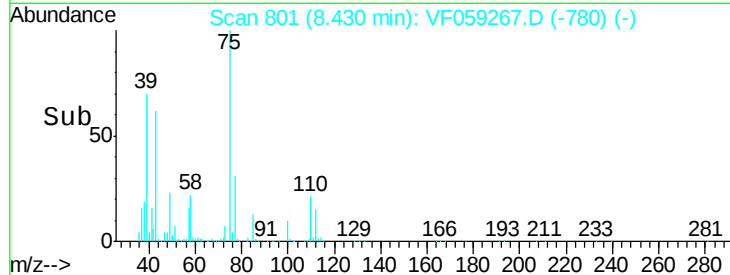
150000

100000

50000

0

Time--> 8.30 8.40 8.50



#54

cis-1,3-Dichloropropene

Concen: 76.745 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

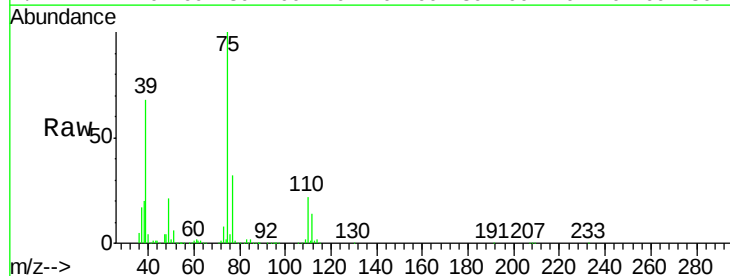
Tgt Ion: 75 Resp: 345395

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

39 67.6 55.5 83.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200000

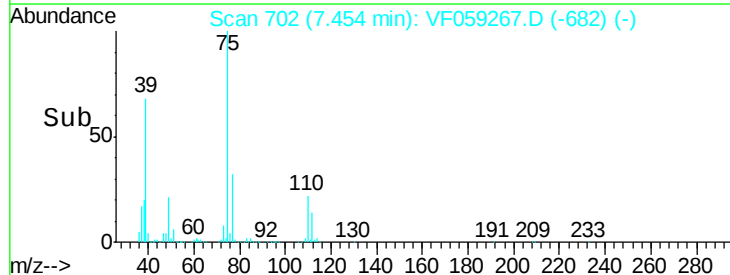
150000

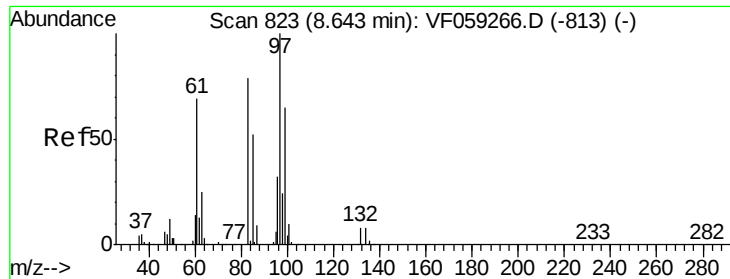
100000

50000

0

Time--> 7.40 7.50 7.60

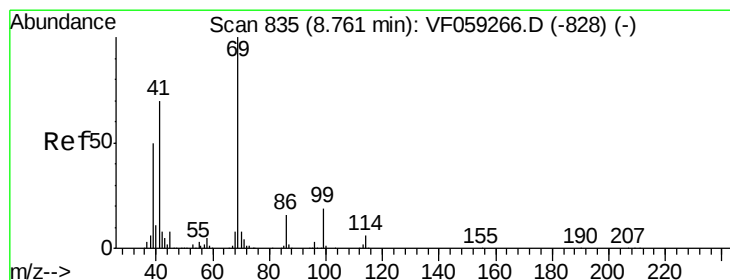
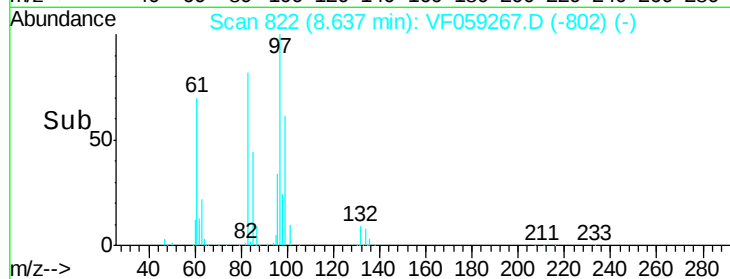
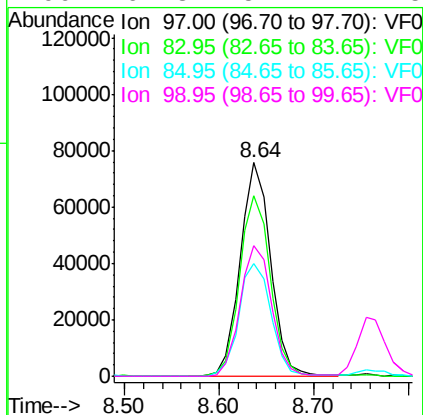
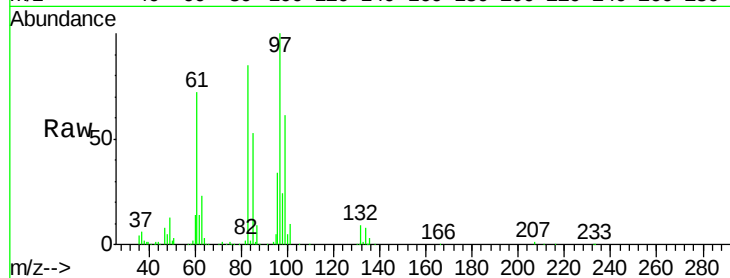




#55
 1,1,2-Trichloroethane
 Concen: 78.342 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

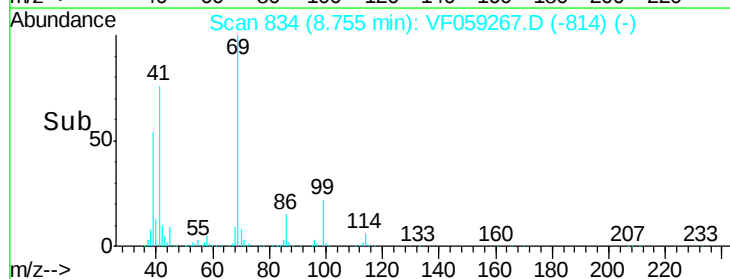
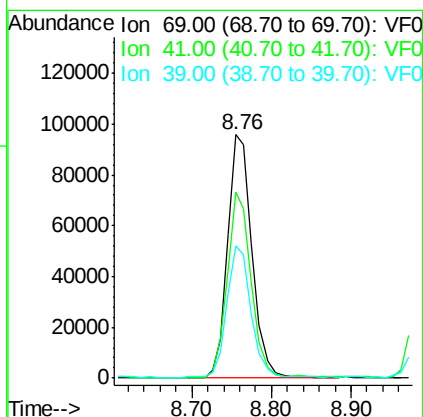
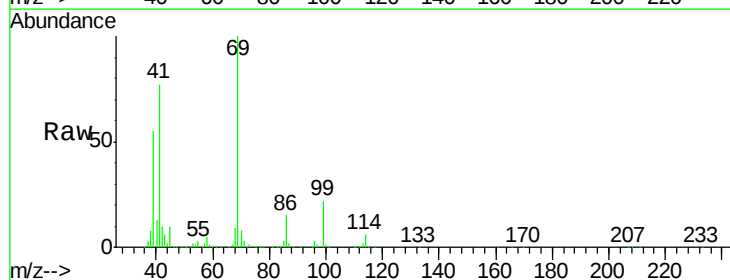
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

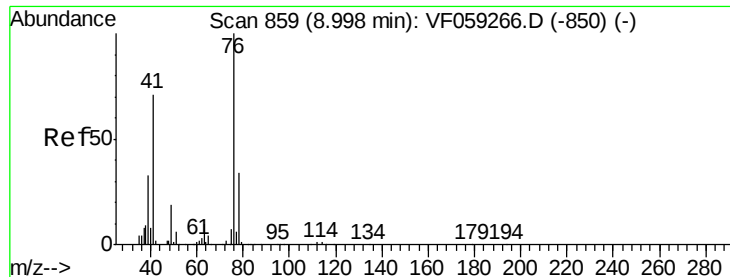
Tgt Ion: 97 Resp: 169111
 Ion Ratio Lower Upper
 97 100
 83 84.6 63.2 94.8
 85 52.6 41.8 62.6
 99 61.3 51.7 77.5



#56
 Ethyl methacrylate
 Concen: 76.072 ug/l
 RT: 8.76 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion: 69 Resp: 206922
 Ion Ratio Lower Upper
 69 100
 41 76.5 56.6 85.0
 39 54.5 40.5 60.7





#57

1,3-Dichloropropane

Concen: 77.260 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

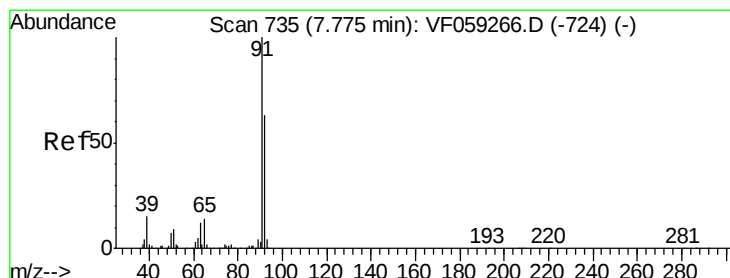
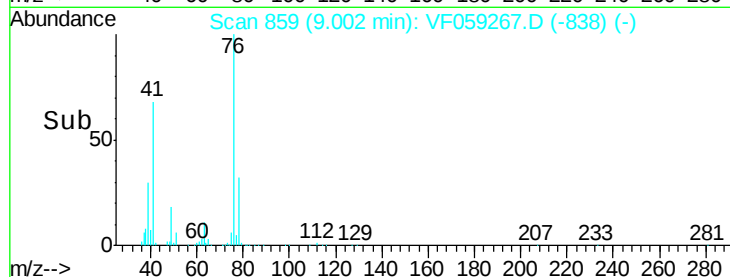
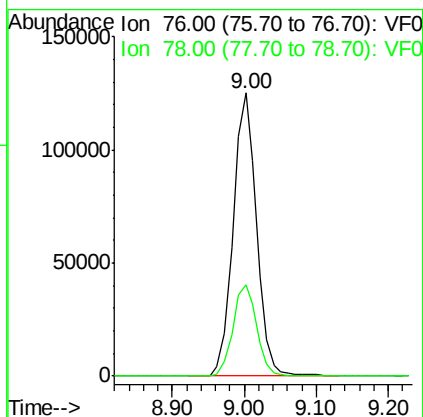
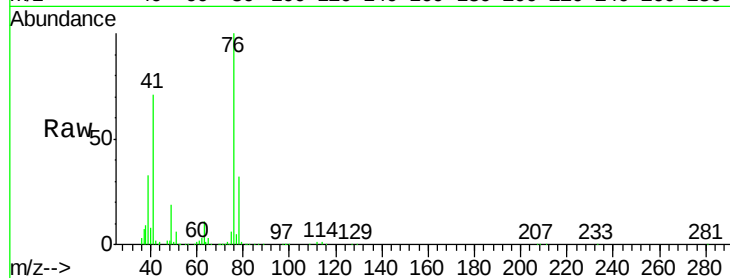
VSTDIC075

Tgt Ion: 76 Resp: 283149

Ion Ratio Lower Upper

76 100

78 32.5 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 388.651 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059267.D

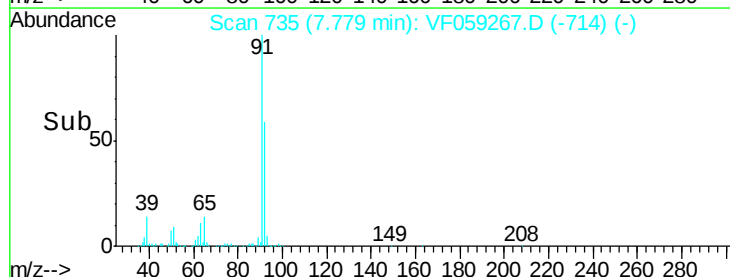
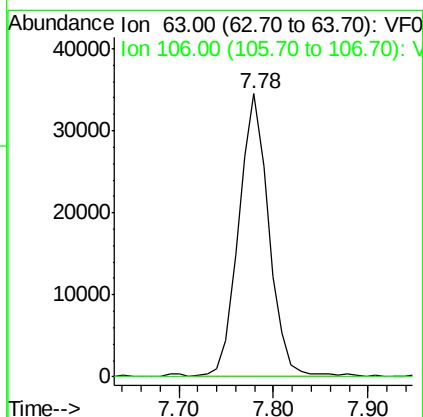
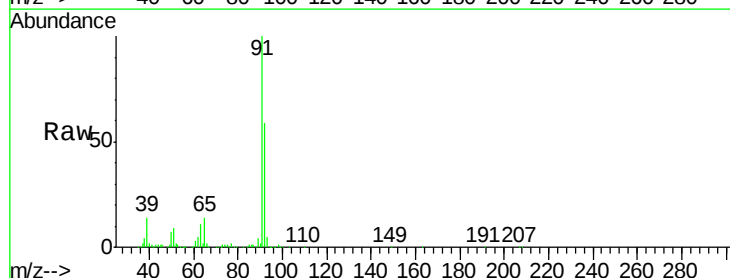
Acq: 21 Jun 2018 17:41

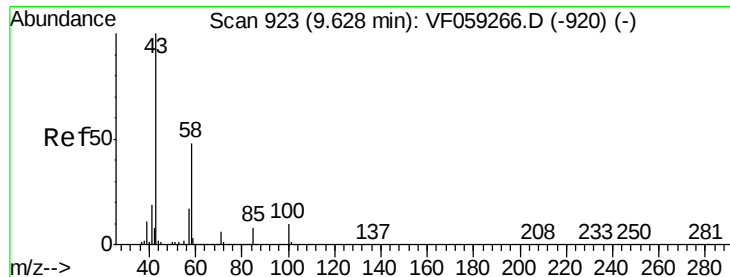
Tgt Ion: 63 Resp: 76303

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

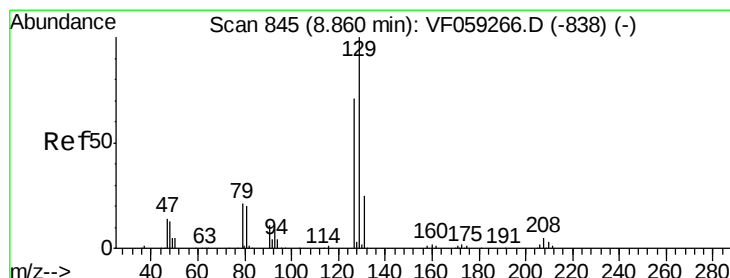
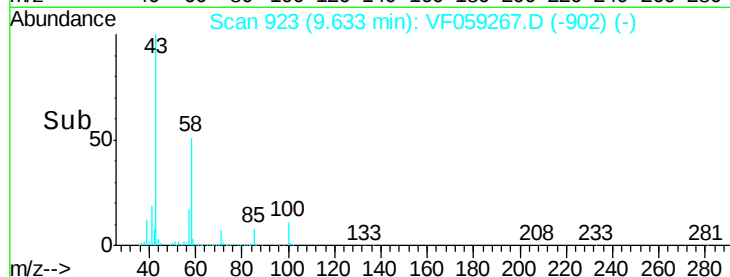
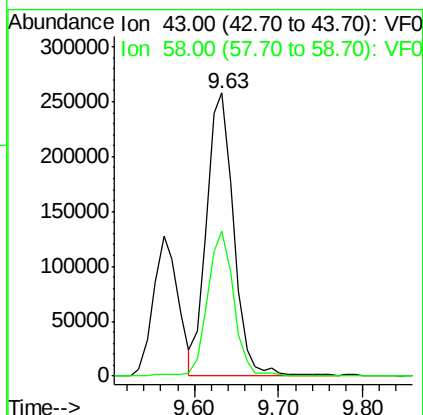
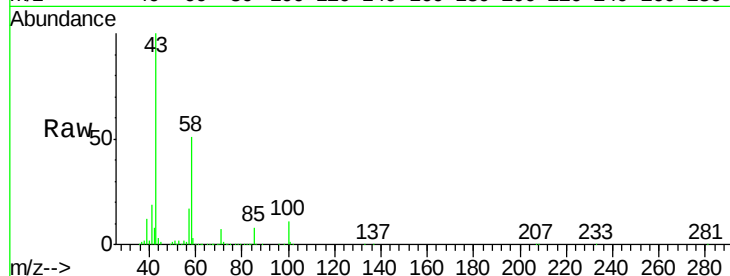




#59
2-Hexanone
Concen: 356.383 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

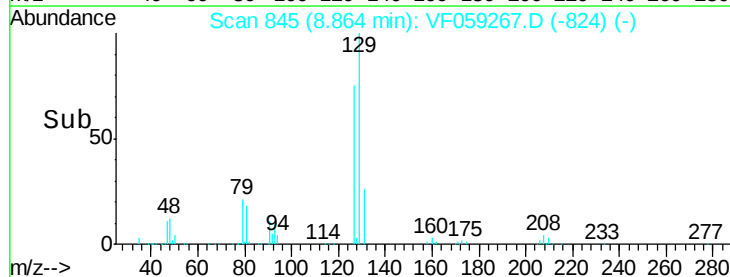
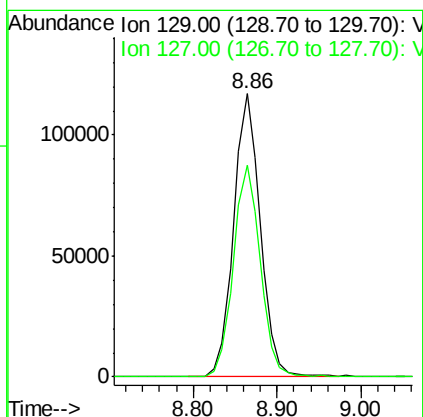
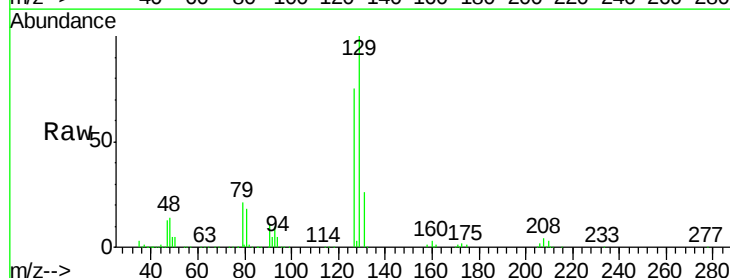
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

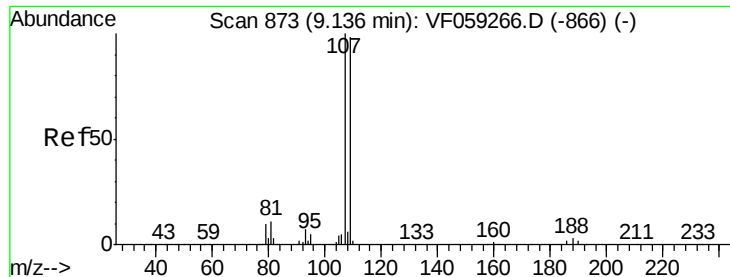
Tgt Ion: 43 Resp: 569908
Ion Ratio Lower Upper
43 100
58 51.1 23.3 69.9



#60
Dibromochloromethane
Concen: 82.375 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 129 Resp: 258329
Ion Ratio Lower Upper
129 100
127 74.9 35.4 106.2

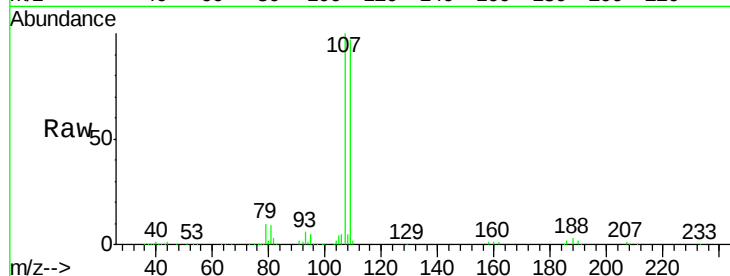




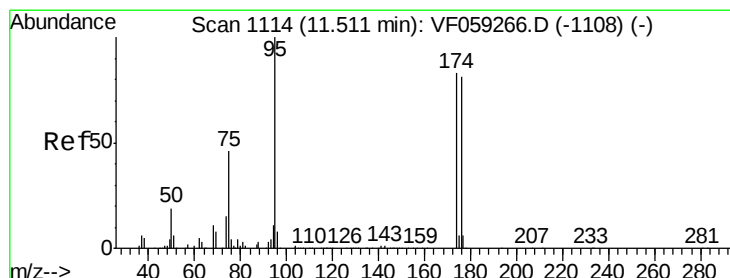
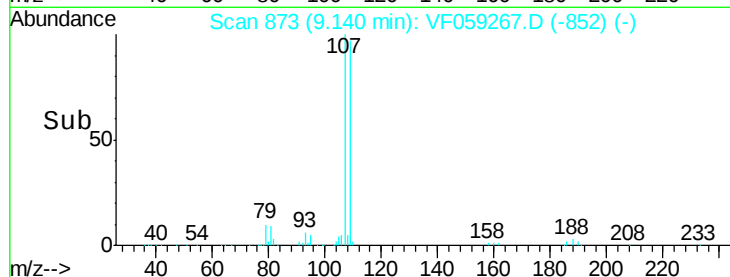
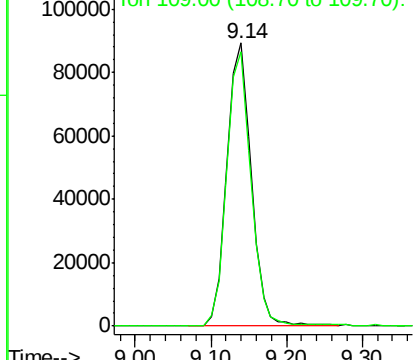
#61
 1,2-Dibromoethane
 Concen: 79.397 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion: 107 Resp: 199511
 Ion Ratio Lower Upper
 107 100
 109 97.0 78.0 117.0

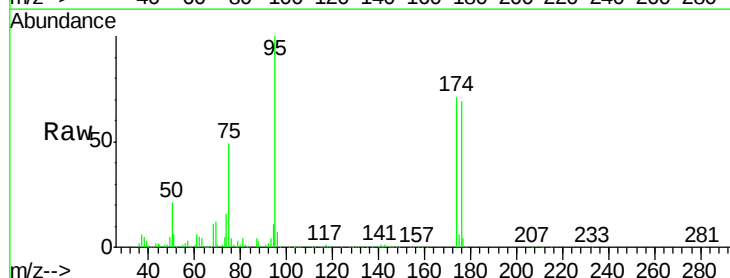


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

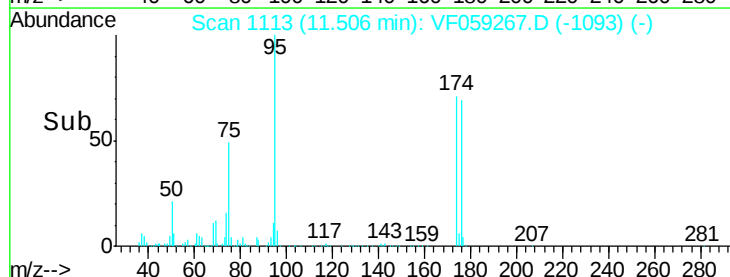
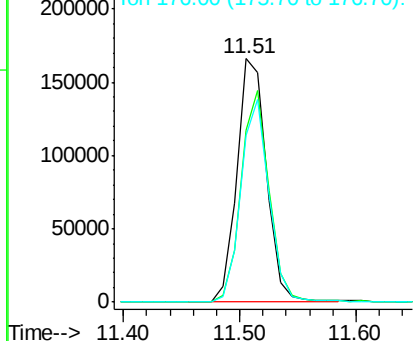


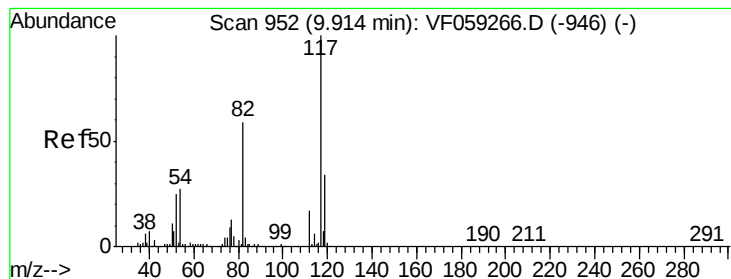
#62
 4-Bromofluorobenzene
 Concen: 75.409 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion: 95 Resp: 291598
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 166.2
 176 68.6 0.0 162.8



Abundance Ion 95.00 (94.70 to 95.70): VF0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

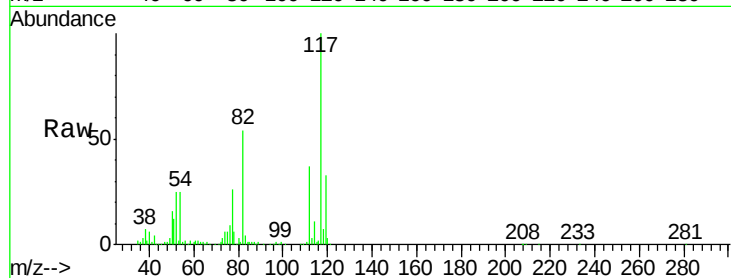
Tgt Ion:117 Resp: 372491

Ion Ratio Lower Upper

117 100

82 54.2 47.1 70.7

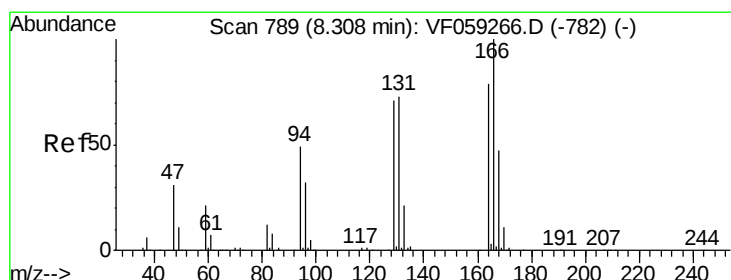
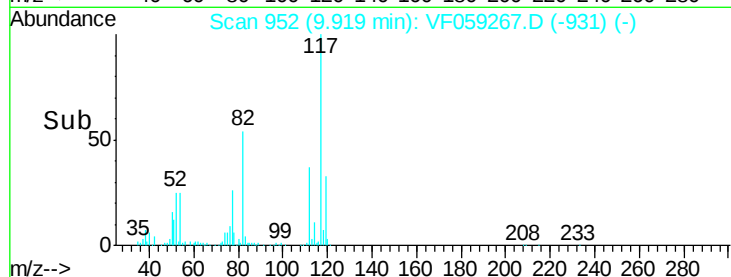
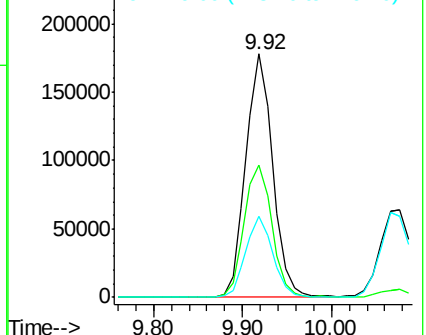
119 33.2 26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 69.162 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Tgt Ion:164 Resp: 190302

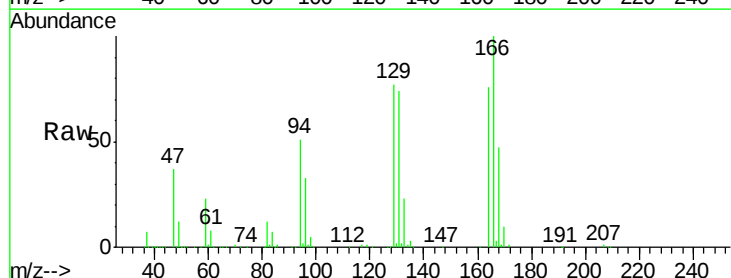
Ion Ratio Lower Upper

164 100

166 132.3 101.4 152.2

129 101.3 72.2 108.4

131 97.8 73.8 110.6

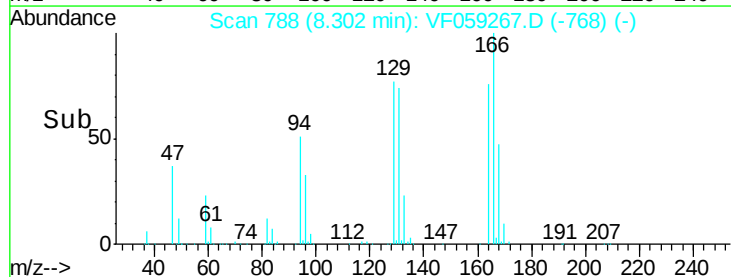
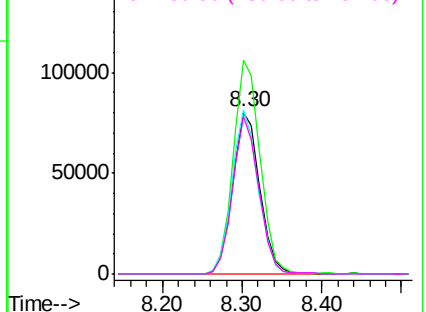


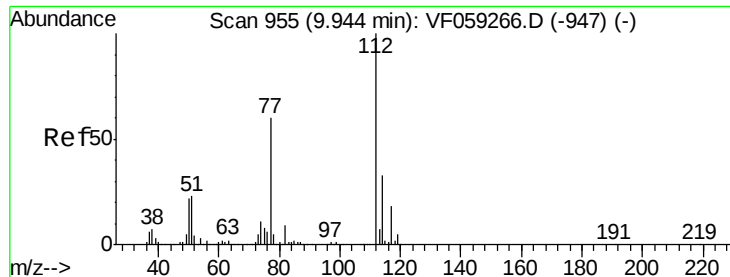
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

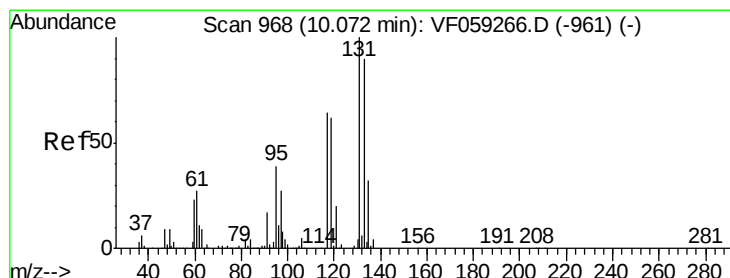
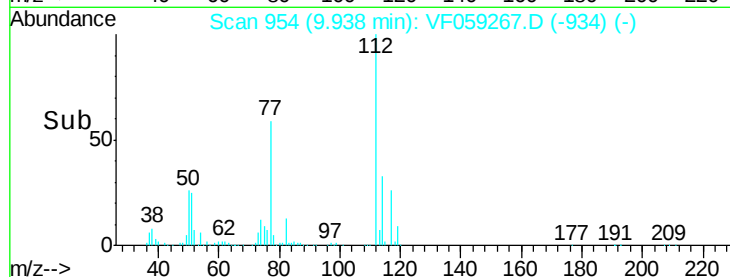
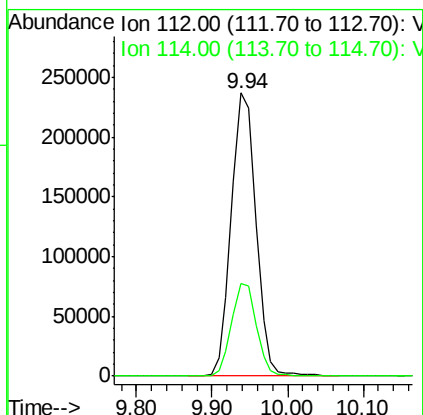
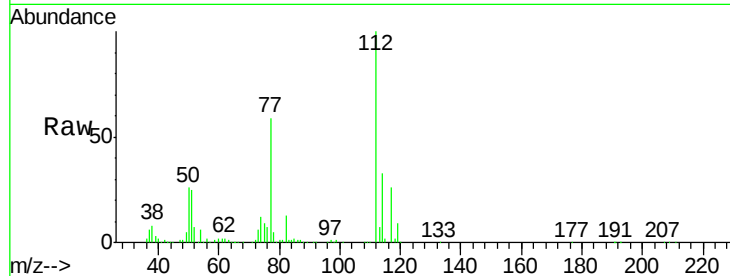




#65
Chlorobenzene
Concen: 71.938 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

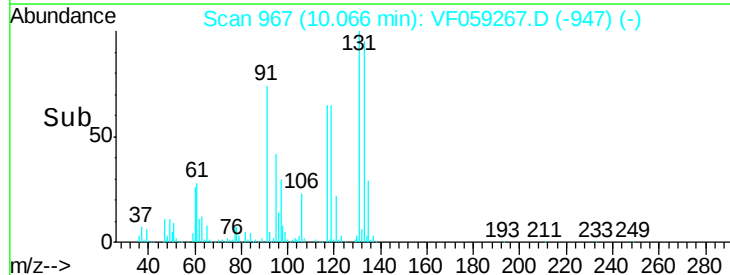
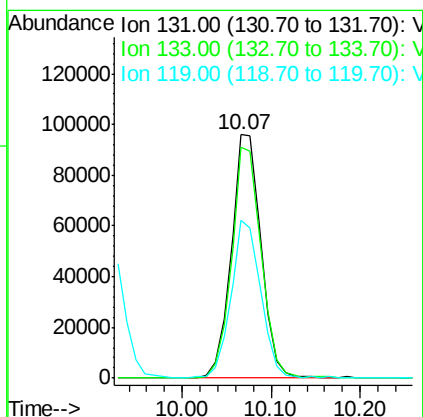
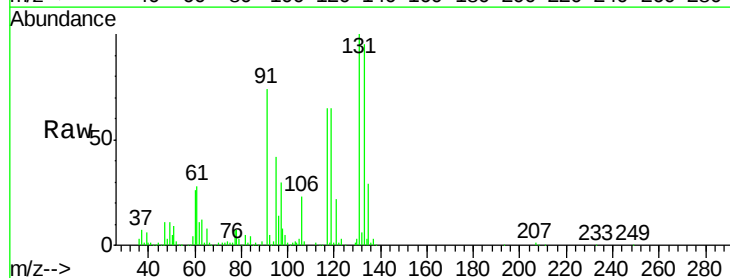
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

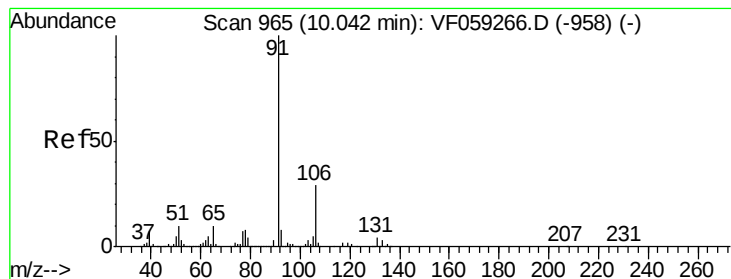
Tgt Ion:112 Resp: 537456
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 74.970 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion:131 Resp: 224038
Ion Ratio Lower Upper
131 100
133 95.1 45.1 135.2
119 65.0 31.2 93.6





#67

Ethyl Benzene

Concen: 68.371 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

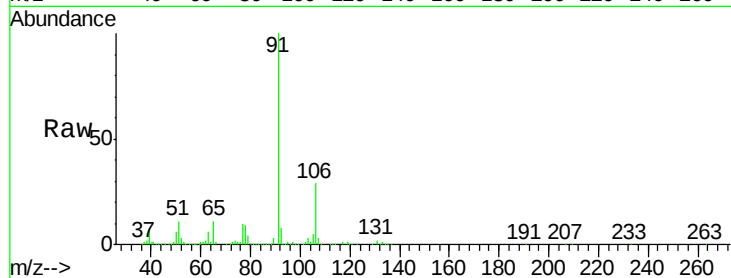
VSTDIC075

Tgt Ion: 91 Resp: 879820

Ion Ratio Lower Upper

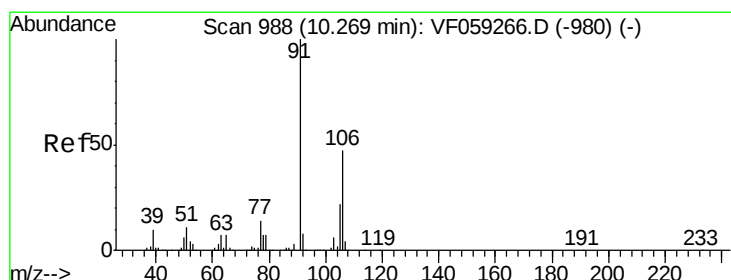
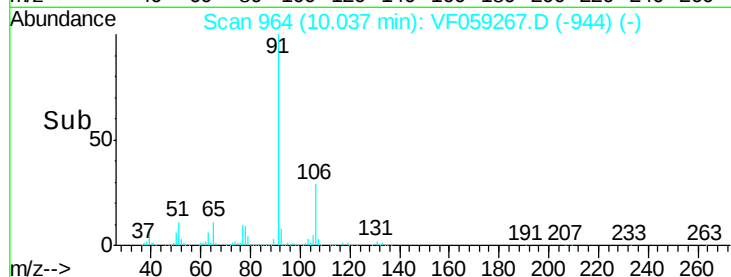
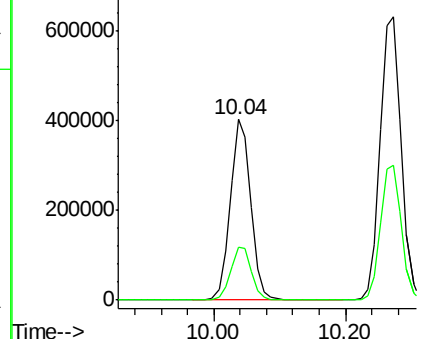
91 100

106 29.5 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 136.831 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059267.D

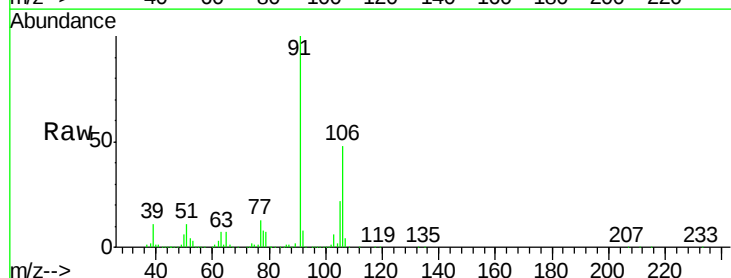
Acq: 21 Jun 2018 17:41

Tgt Ion: 106 Resp: 668411

Ion Ratio Lower Upper

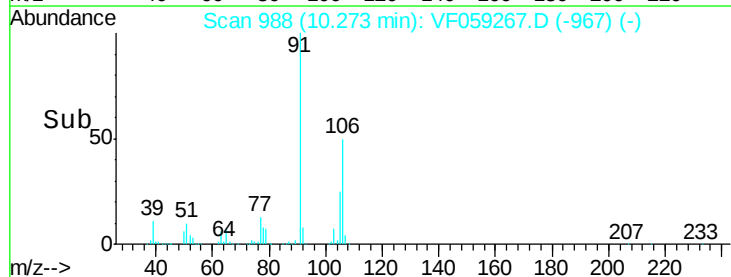
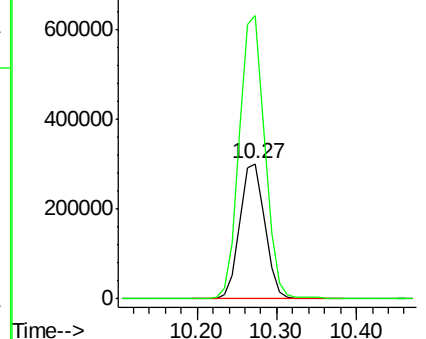
106 100

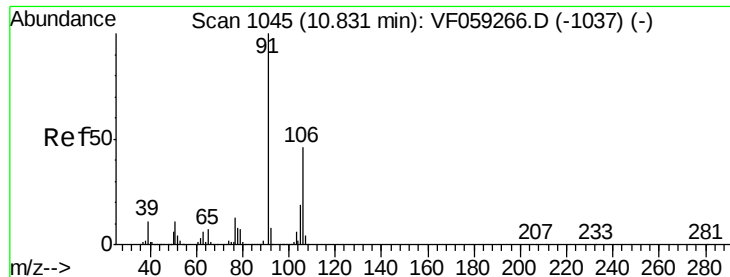
91 209.3 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

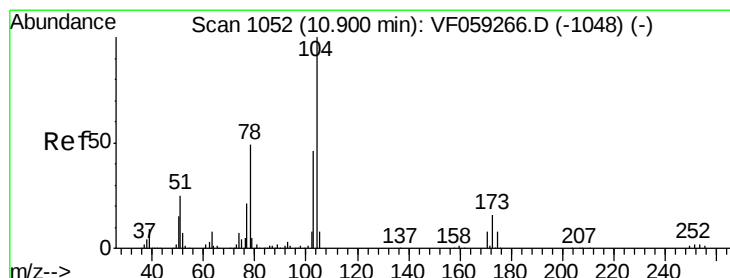
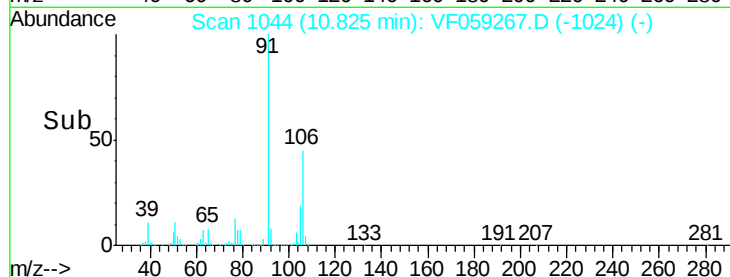
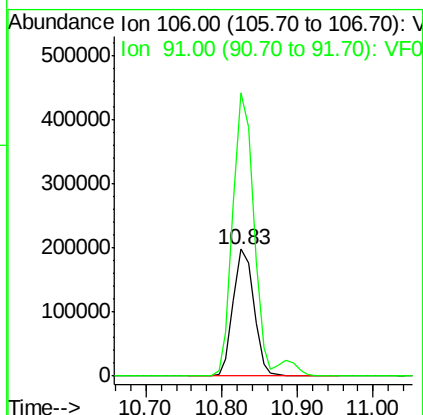
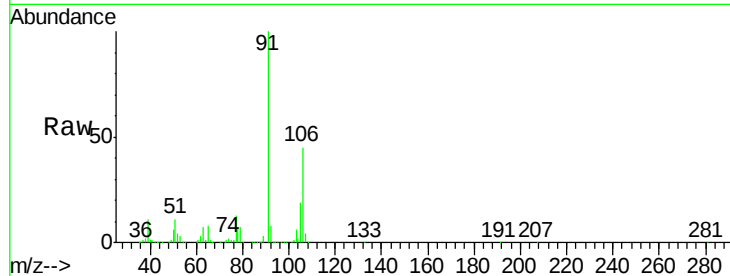




#69
o-Xylene
Concen: 71.937 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

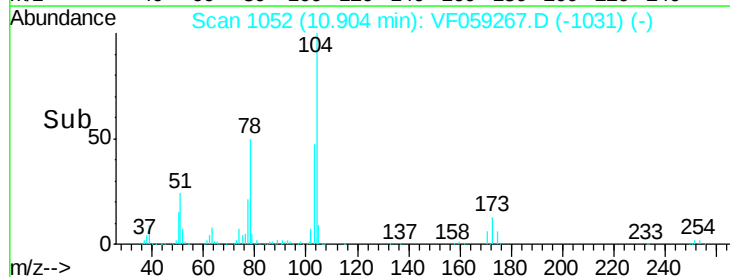
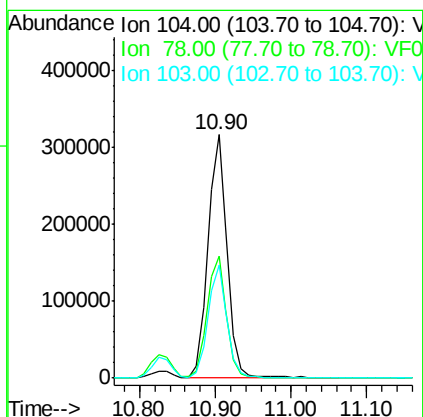
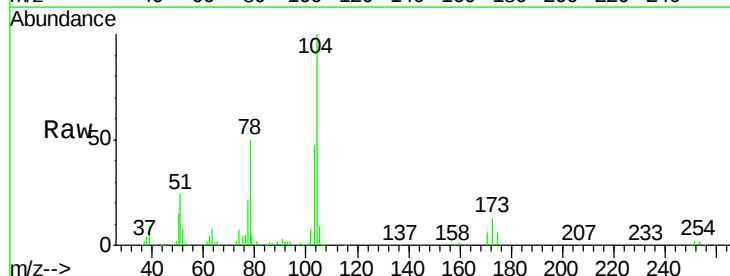
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

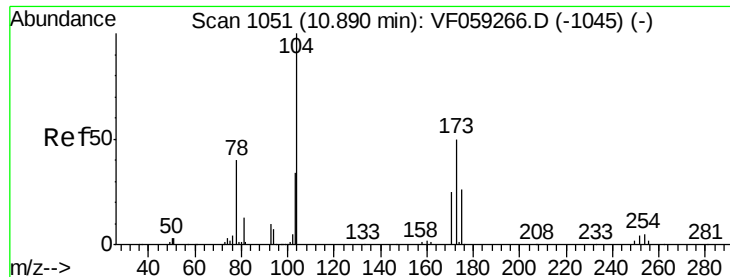
Tgt Ion:106 Resp: 378008
Ion Ratio Lower Upper
106 100
91 223.1 109.1 327.4



#70
Styrene
Concen: 71.028 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion:104 Resp: 561428
Ion Ratio Lower Upper
104 100
78 49.9 39.3 58.9
103 46.6 36.6 55.0





#71

Bromoform

Concen: 79.875 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

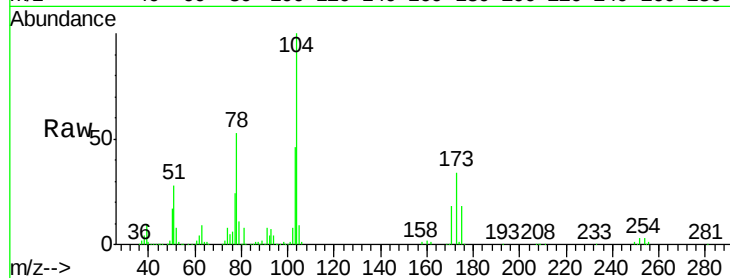
Tgt Ion:173 Resp: 164315

Ion Ratio Lower Upper

173 100

175 51.0 25.4 76.4

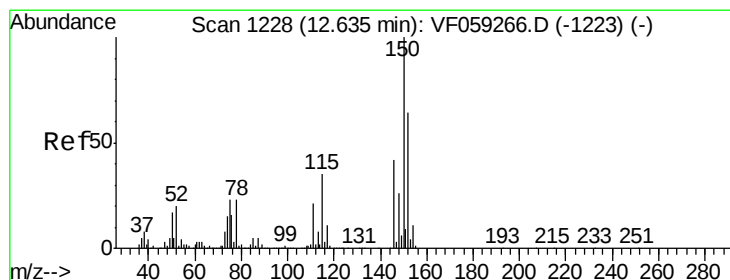
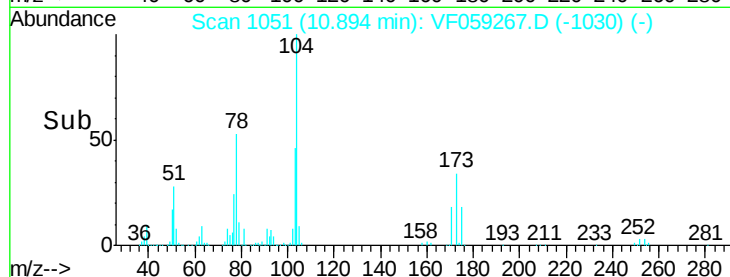
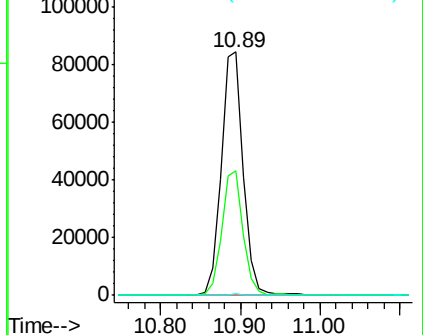
254 0.5 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

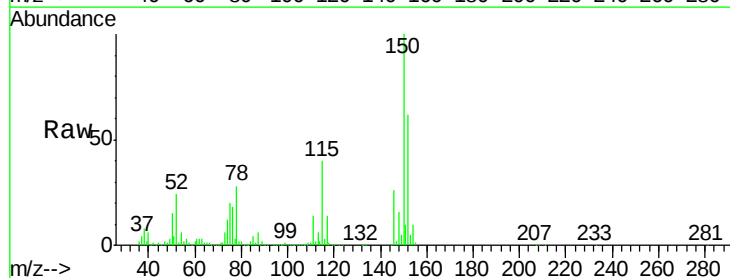
Tgt Ion:152 Resp: 229328

Ion Ratio Lower Upper

152 100

115 65.6 27.8 83.3

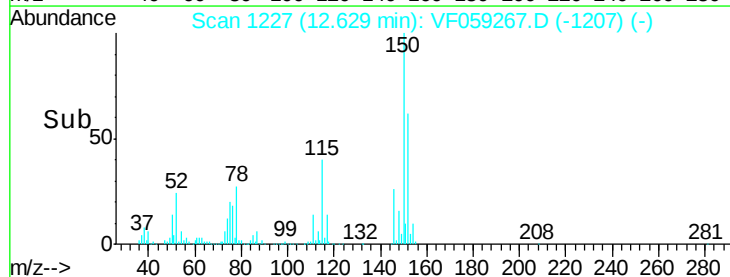
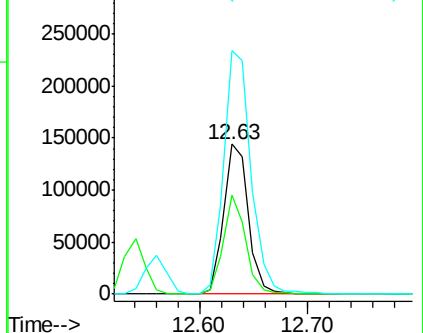
150 162.2 0.0 313.8

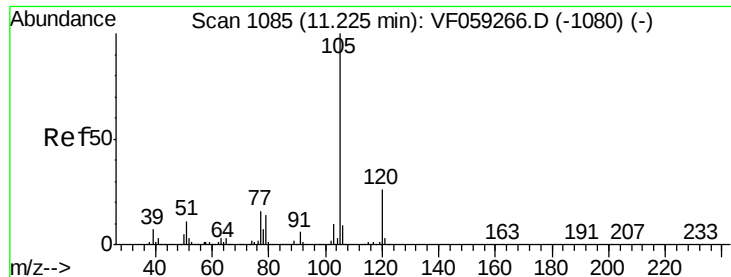


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 68.573 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

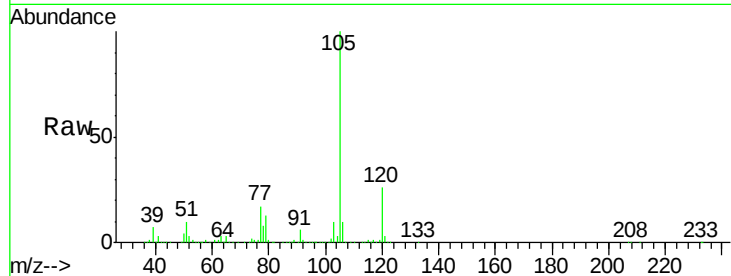
VSTDIC075

Tgt Ion:105 Resp: 1087868

Ion Ratio Lower Upper

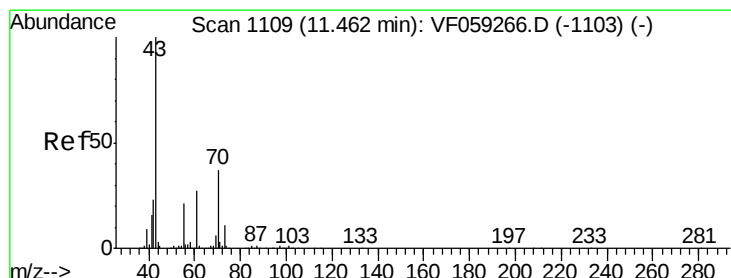
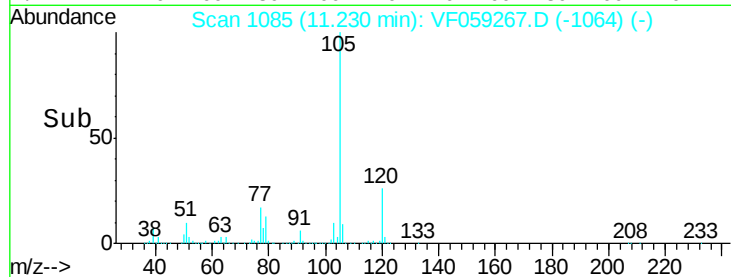
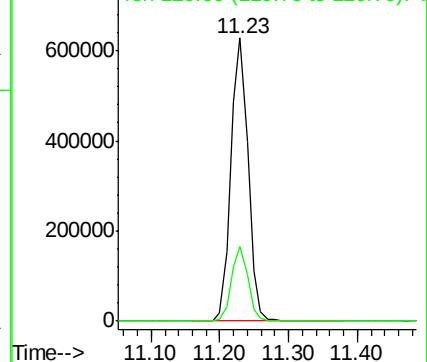
105 100

120 26.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 64.193 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Tgt Ion: 43 Resp: 361108

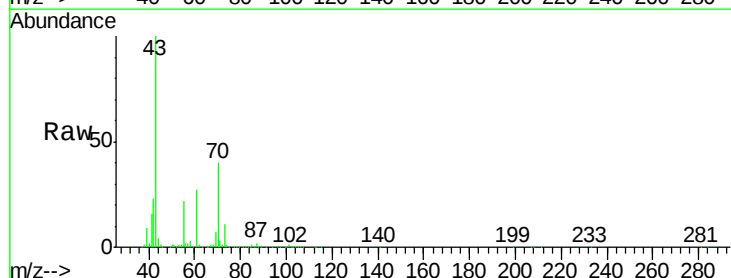
Ion Ratio Lower Upper

43 100

70 39.8 29.6 44.4

55 21.8 17.0 25.4

61 26.7 21.4 32.2

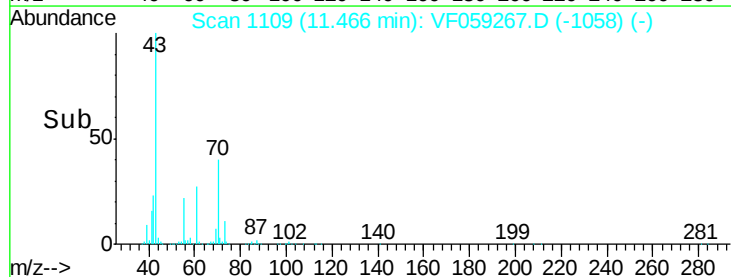
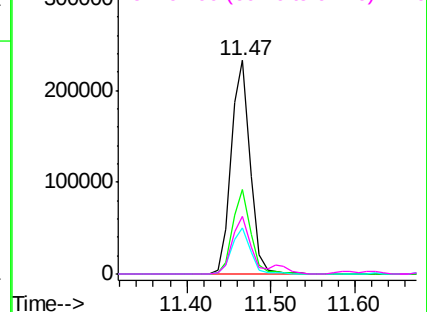


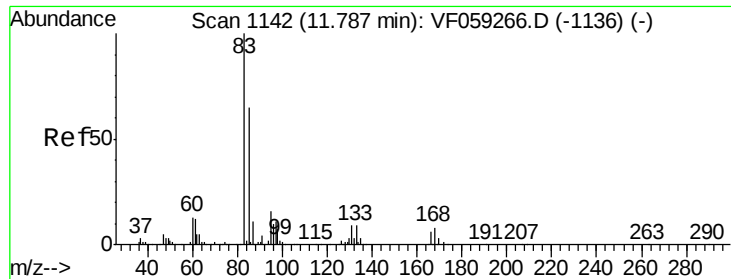
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 68.612 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

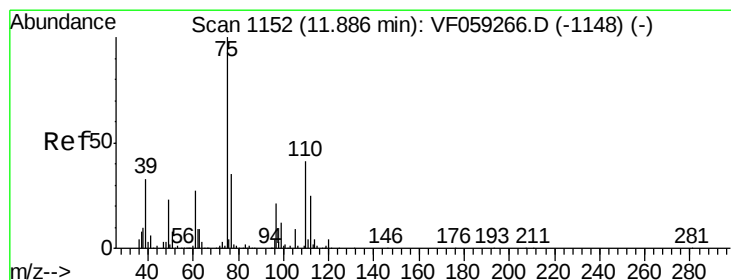
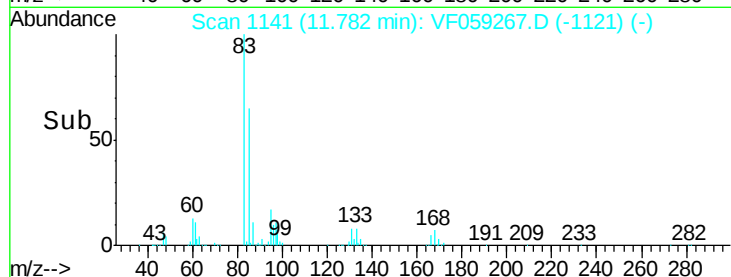
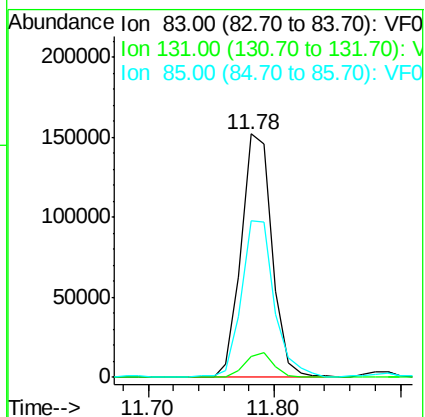
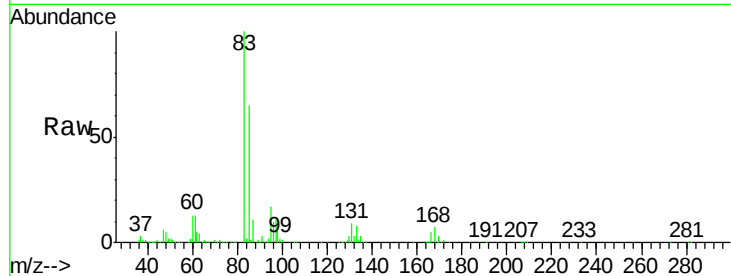
Tgt Ion: 83 Resp: 258103

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.3

85 64.5 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 70.066 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059267.D

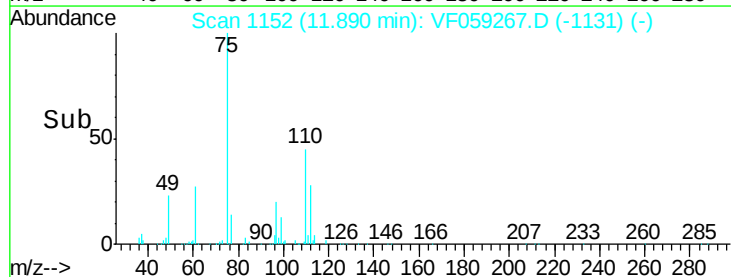
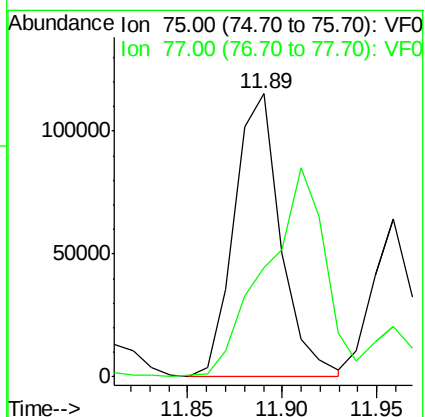
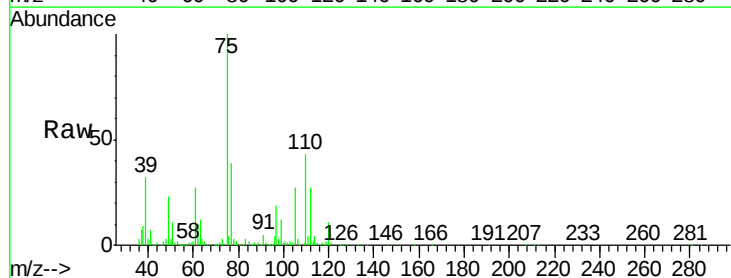
Acq: 21 Jun 2018 17:41

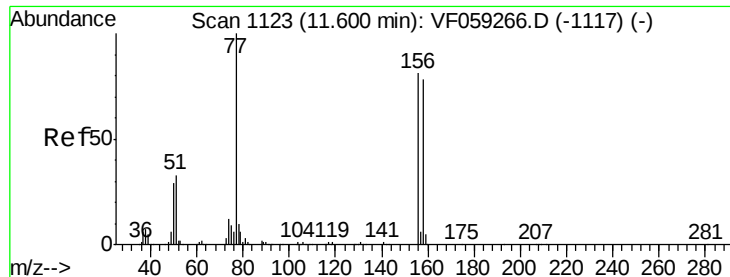
Tgt Ion: 75 Resp: 195098

Ion Ratio Lower Upper

75 100

77 38.7 17.4 52.2





#77

Bromobenzene

Concen: 69.898 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

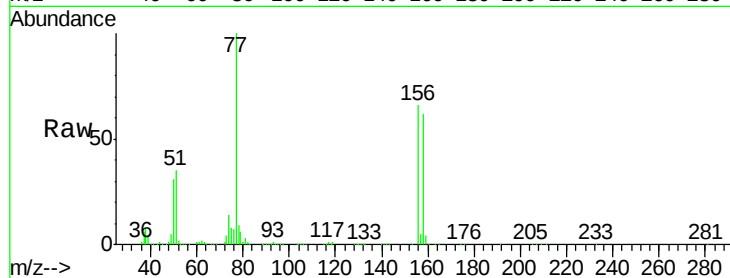
Tgt Ion:156 Resp: 282741

Ion Ratio Lower Upper

156 100

77 151.4 61.7 185.0

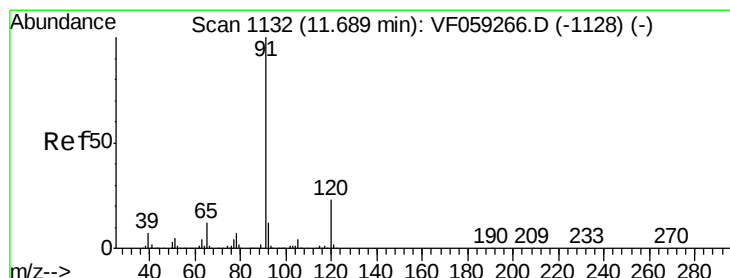
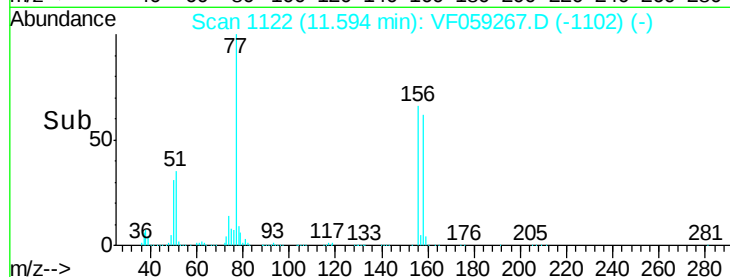
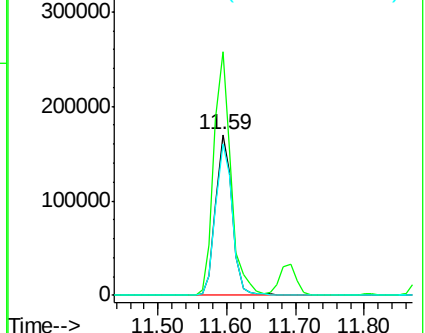
158 94.5 48.2 144.6



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: 64.804 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059267.D

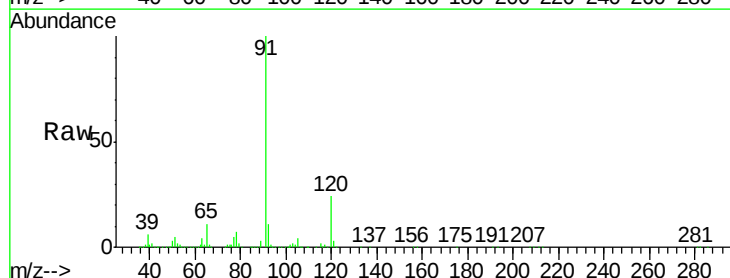
Acq: 21 Jun 2018 17:41

Tgt Ion: 91 Resp: 1217576

Ion Ratio Lower Upper

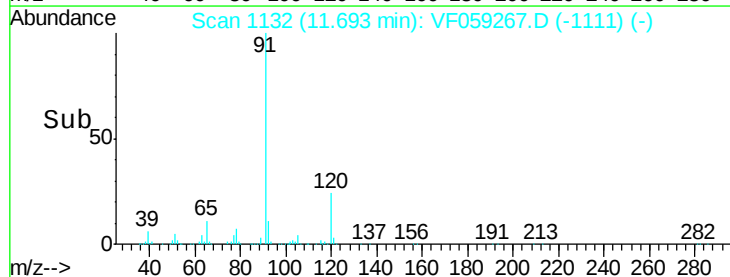
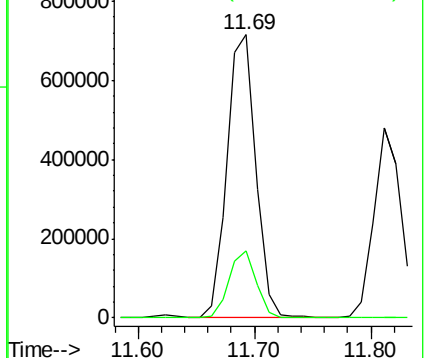
91 100

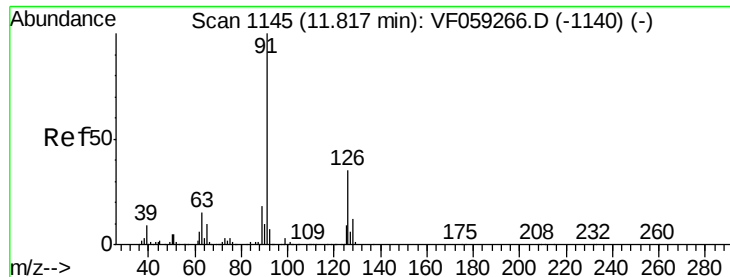
120 23.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 68.516 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

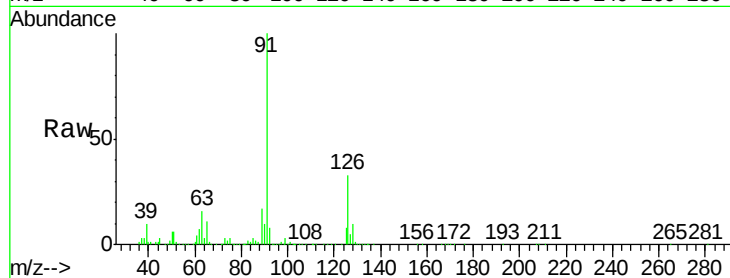
VSTDIC075

Tgt Ion: 91 Resp: 763372

Ion Ratio Lower Upper

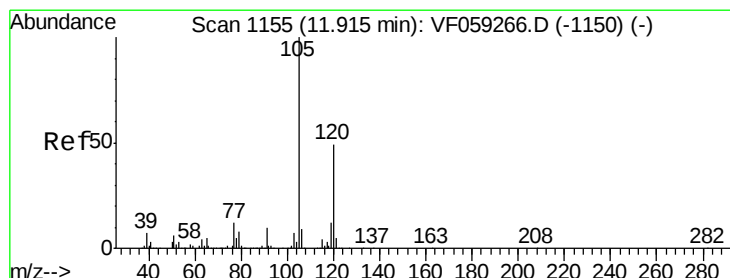
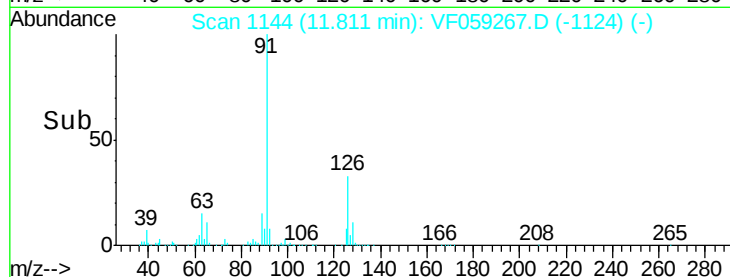
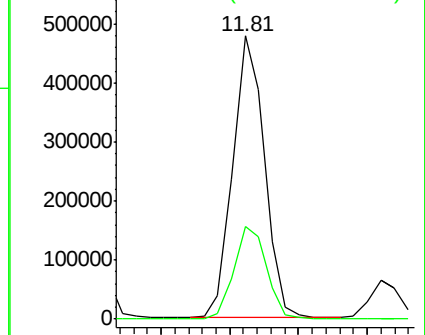
91 100

126 32.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 71.105 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059267.D

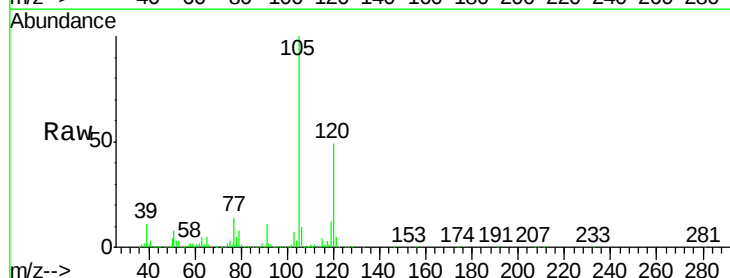
Acq: 21 Jun 2018 17:41

Tgt Ion: 105 Resp: 938699

Ion Ratio Lower Upper

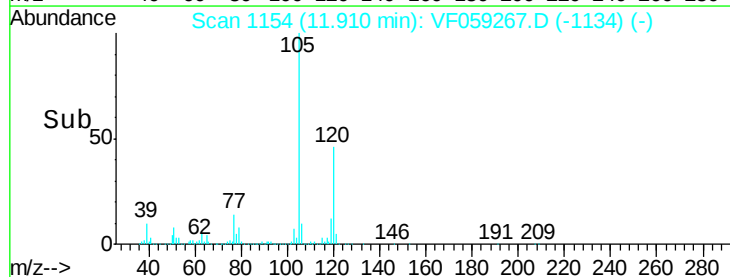
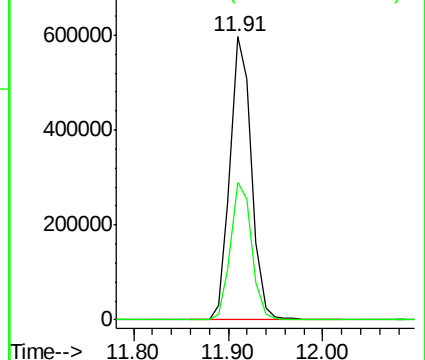
105 100

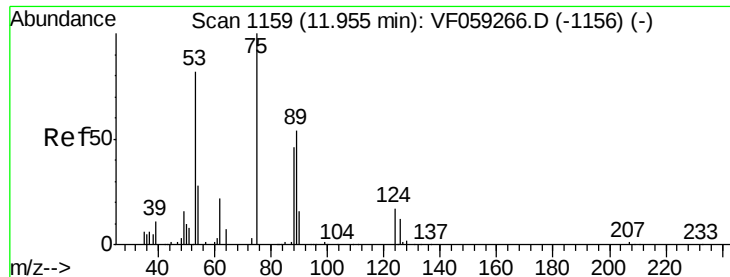
120 48.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

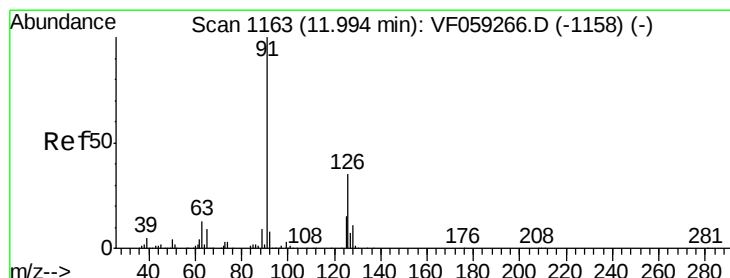
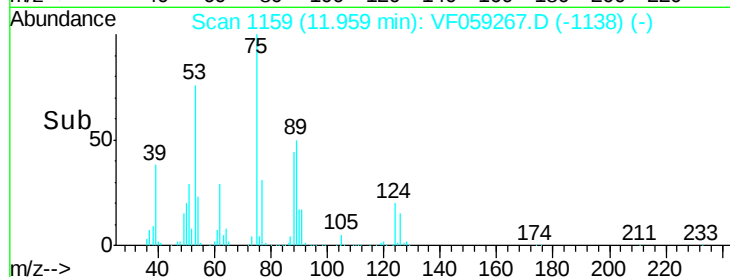
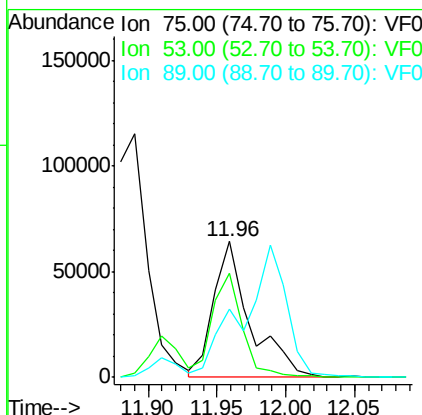
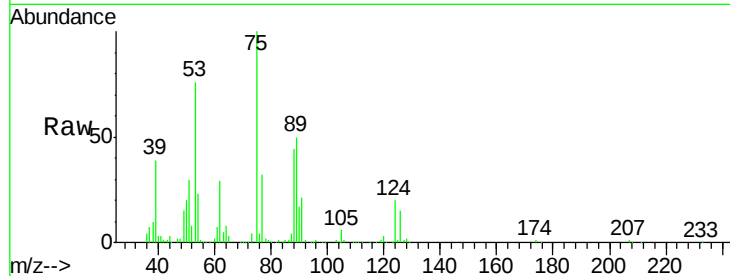




#81
trans-1,4-Dichloro-2-butene
Concen: 64.002 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

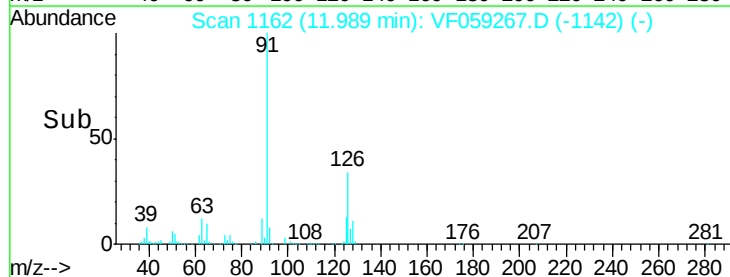
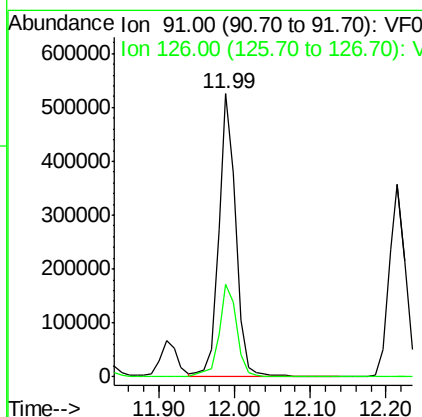
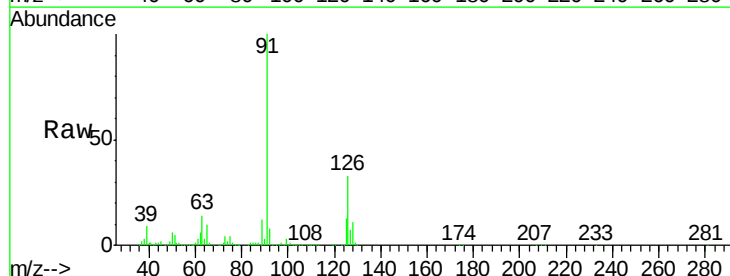
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

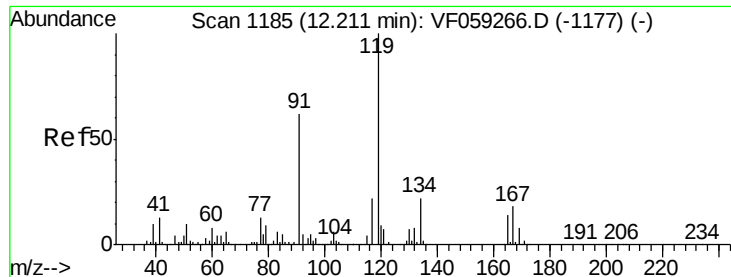
Tgt Ion: 75 Resp: 116056
Ion Ratio Lower Upper
75 100
53 76.3 70.2 105.2
89 50.2 45.3 67.9



#82
4-Chlorotoluene
Concen: 69.351 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion: 91 Resp: 823565
Ion Ratio Lower Upper
91 100
126 32.9 17.6 52.8

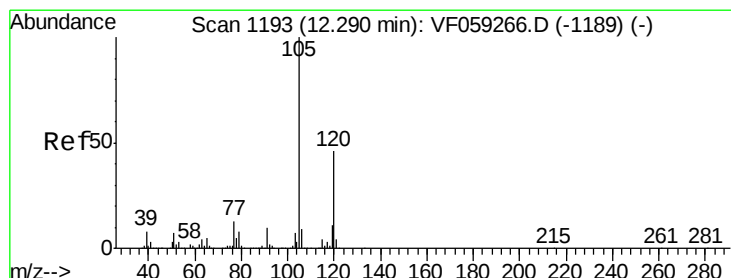
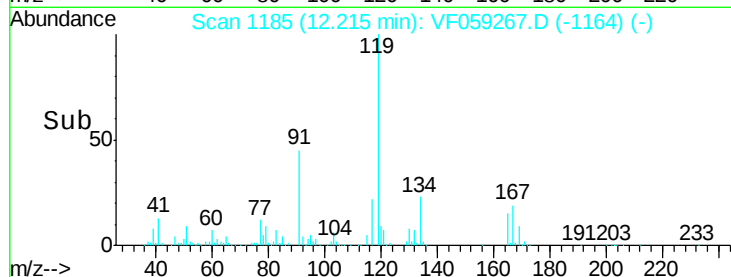
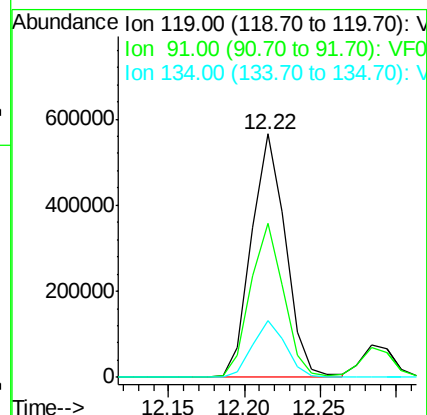
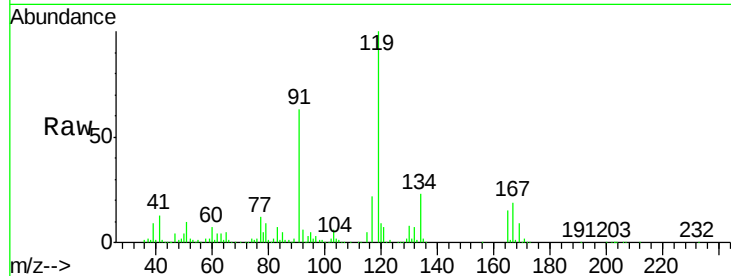




#83
 tert-Butylbenzene
 Concen: 67.793 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

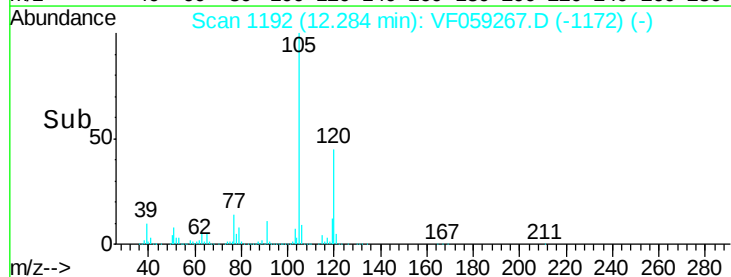
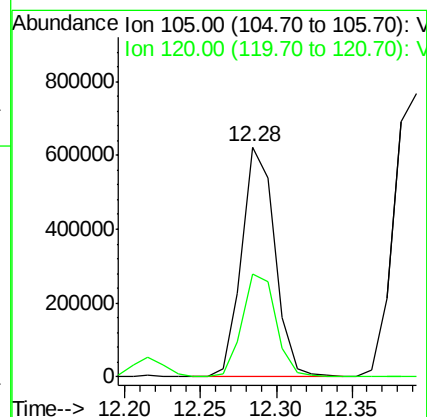
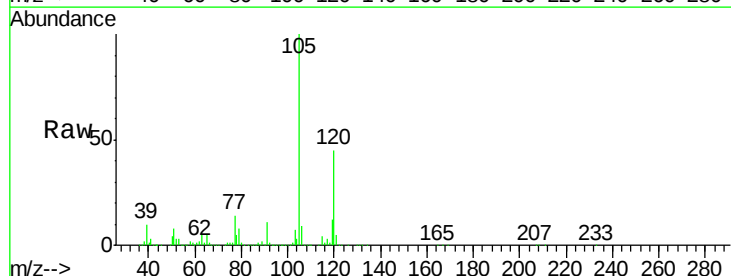
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

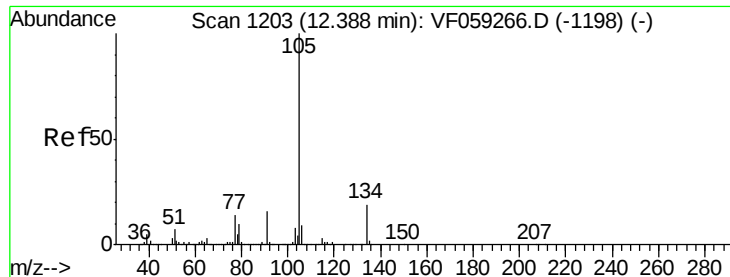
Tgt Ion:119 Resp: 892894
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.3 93.8
 134 23.2 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 69.757 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion:105 Resp: 948470
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.4

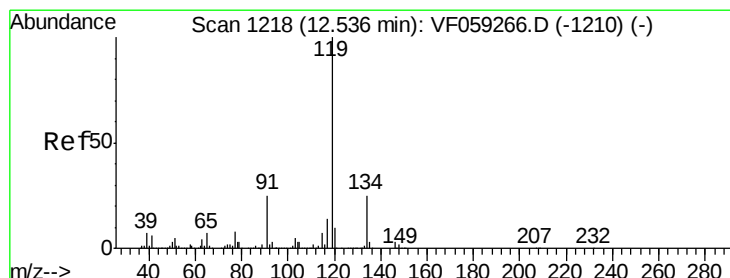
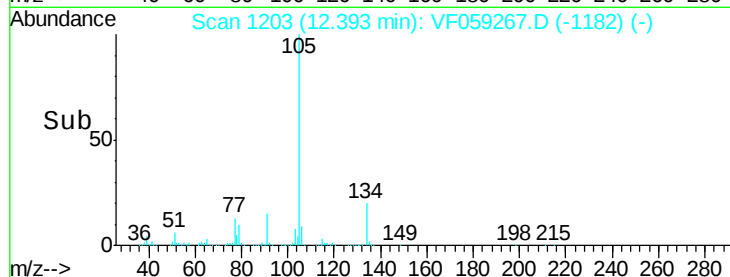
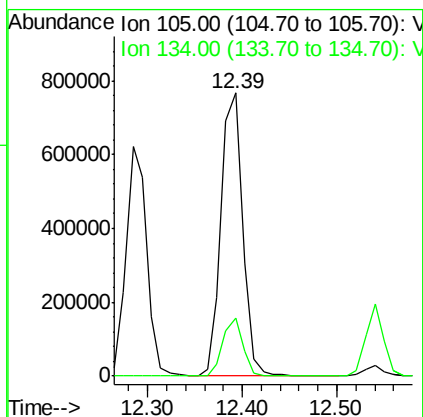
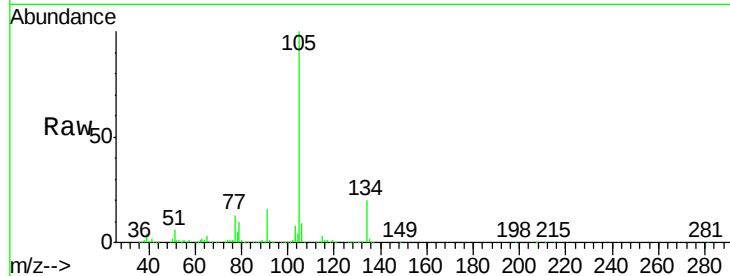




#85
 sec-Butylbenzene
 Concen: 68.652 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

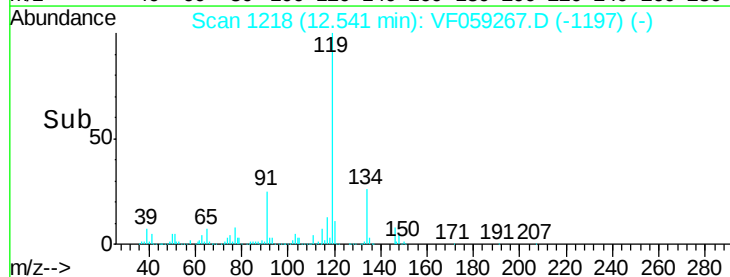
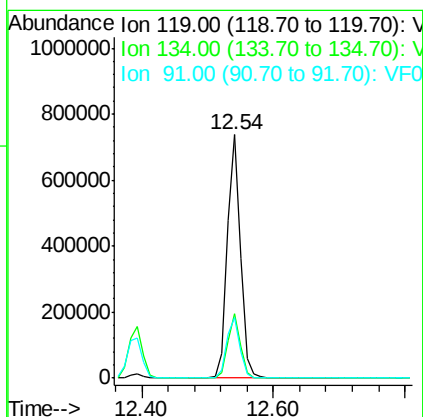
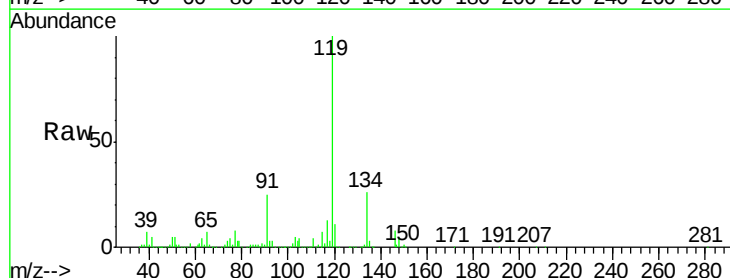
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

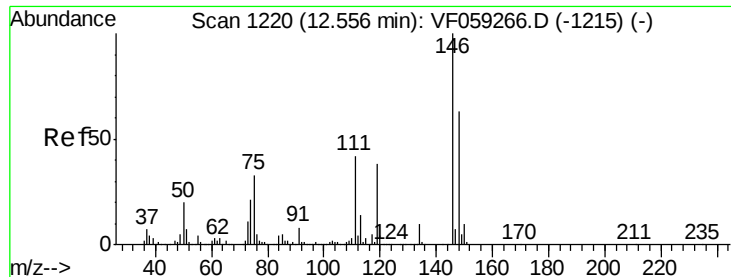
Tgt Ion:105 Resp: 1218016
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 70.442 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion:119 Resp: 1029332
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.6 37.8
 91 25.1 12.6 37.8

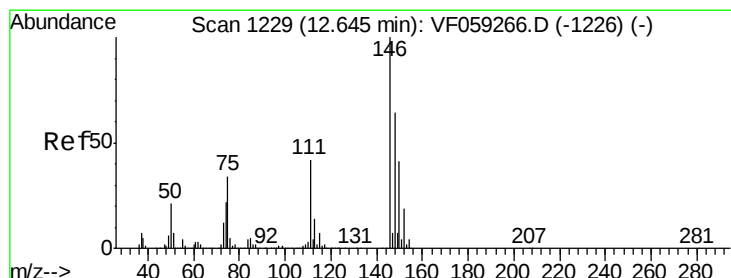
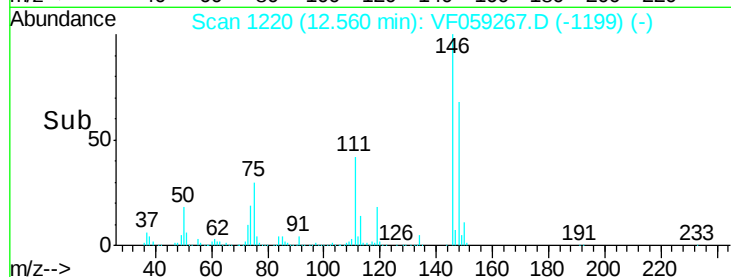
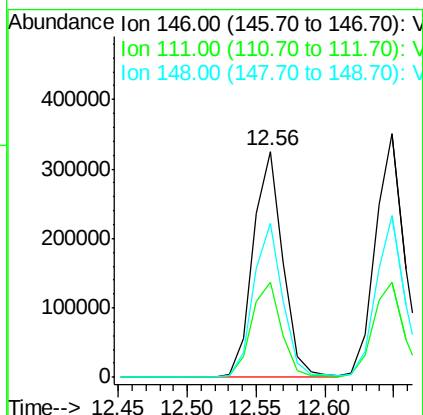
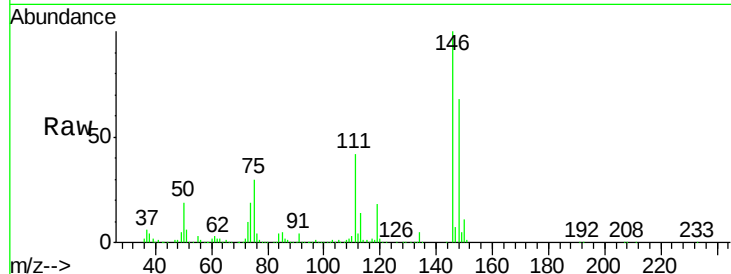




#87
 1,3-Dichlorobenzene
 Concen: 66.174 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

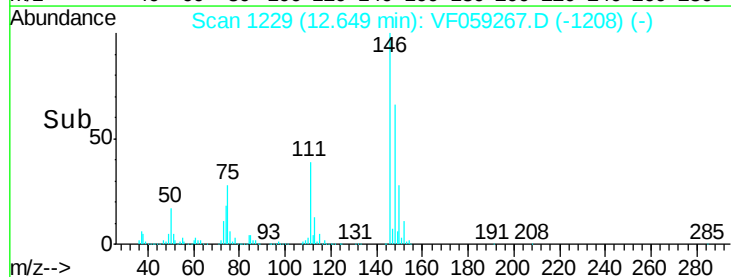
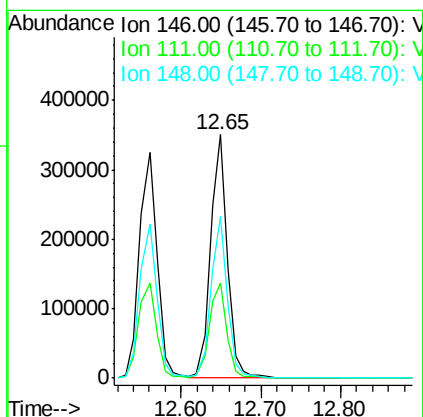
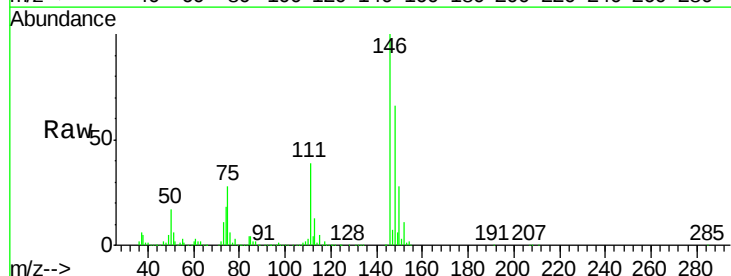
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

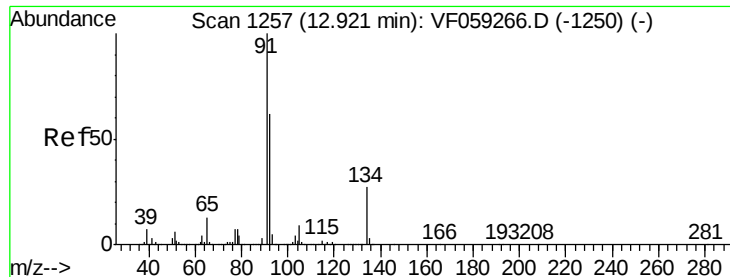
Tgt Ion:146 Resp: 492601
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.0 63.0
 148 68.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 72.153 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059267.D
 Acq: 21 Jun 2018 17:41

Tgt Ion:146 Resp: 518146
 Ion Ratio Lower Upper
 146 100
 111 39.2 21.3 63.9
 148 66.4 32.0 96.2





#89

n-Butylbenzene

Concen: 65.861 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

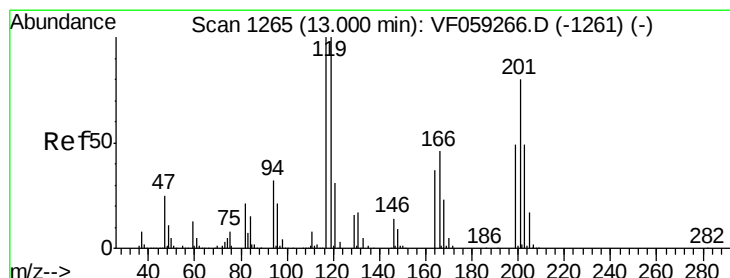
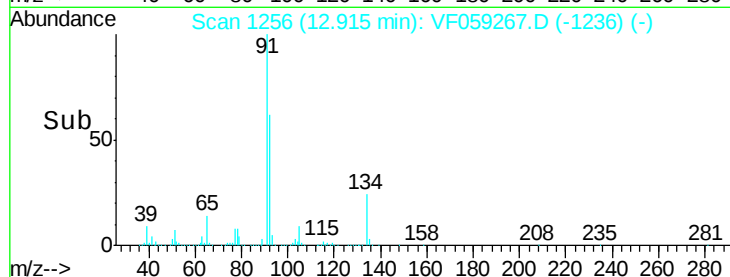
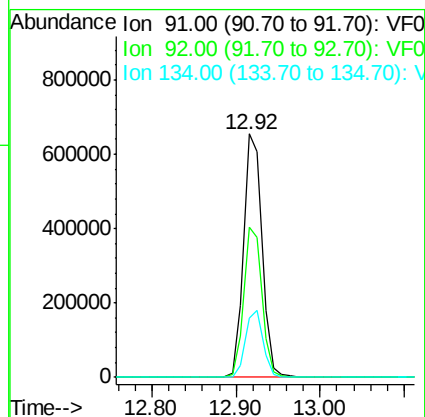
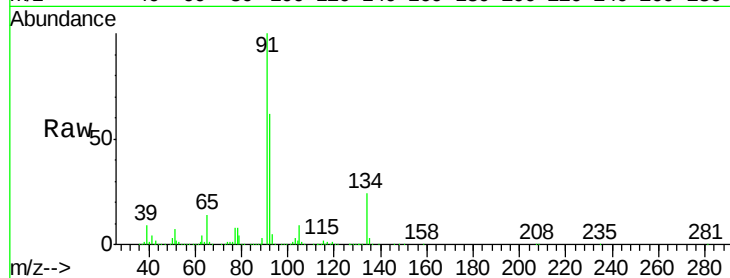
Tgt Ion: 91 Resp: 1000579

Ion Ratio Lower Upper

91 100

92 61.9 31.2 93.6

134 24.3 13.4 40.1



#90

Hexachloroethane

Concen: 73.069 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059267.D

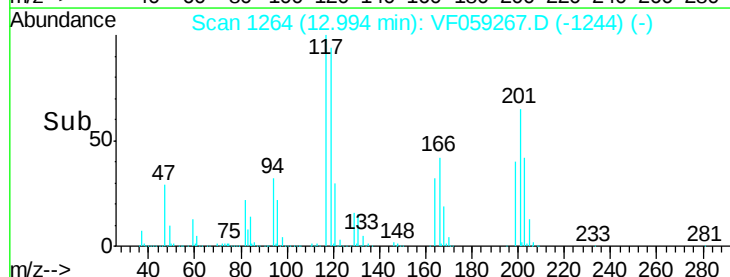
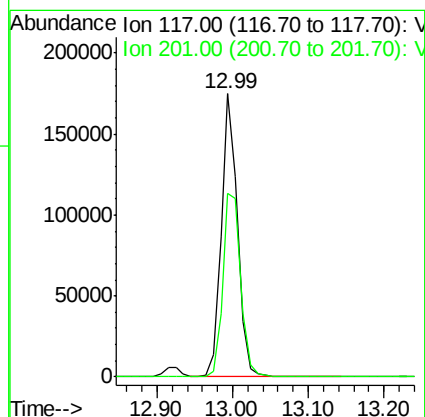
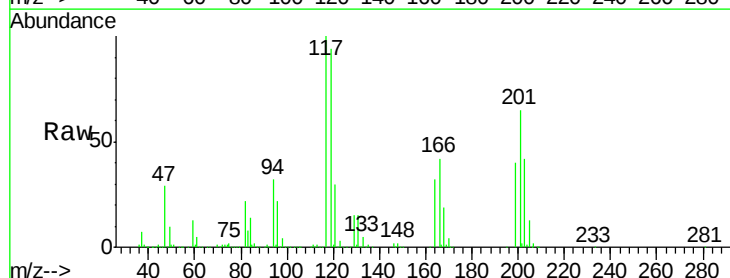
Acq: 21 Jun 2018 17:41

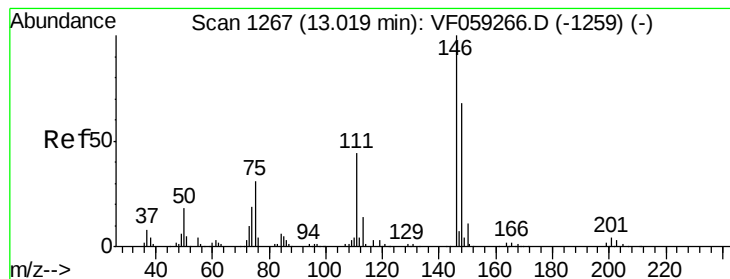
Tgt Ion: 117 Resp: 262357

Ion Ratio Lower Upper

117 100

201 64.9 39.8 119.3





#91

1,2-Dichlorobenzene

Concen: 70.163 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

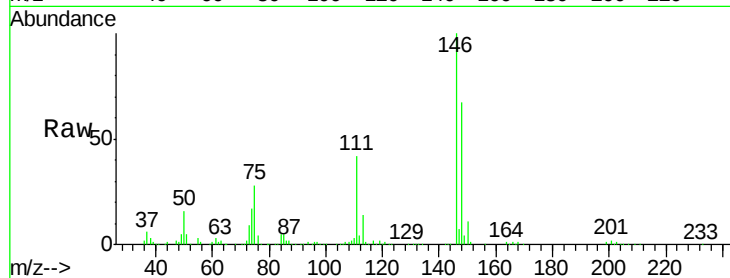
Tgt Ion: 146 Resp: 502614

Ion Ratio Lower Upper

146 100

111 41.8 22.1 66.3

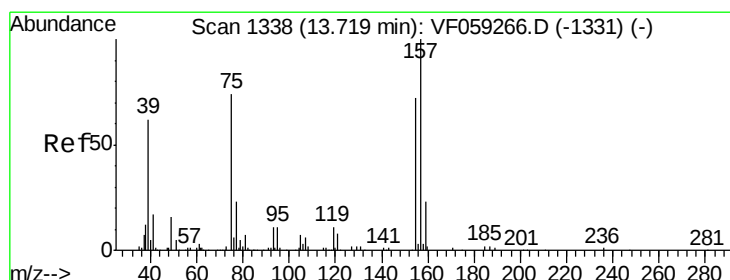
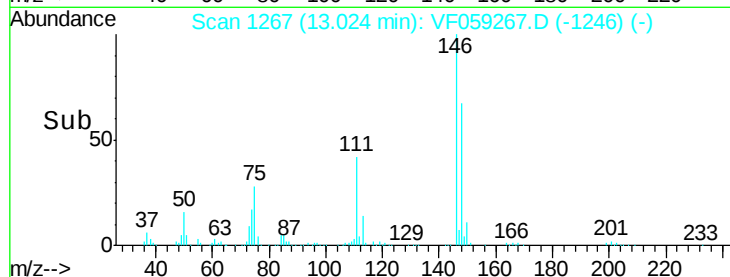
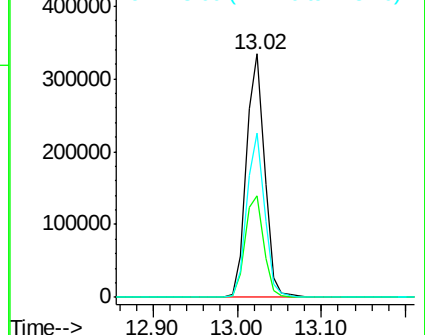
148 67.4 34.0 102.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 75.716 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

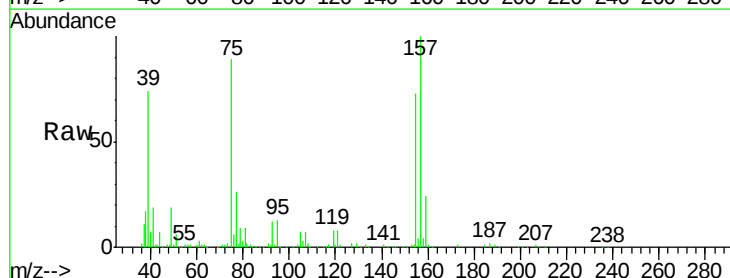
Tgt Ion: 75 Resp: 56784

Ion Ratio Lower Upper

75 100

155 81.4 48.3 144.9

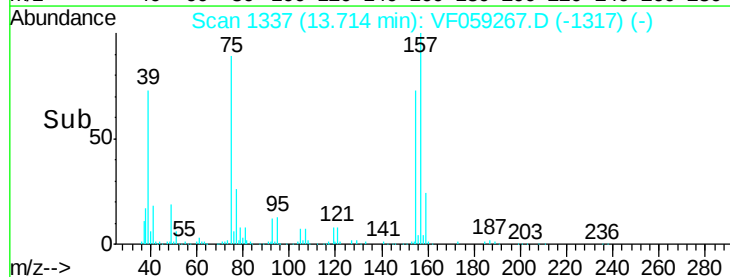
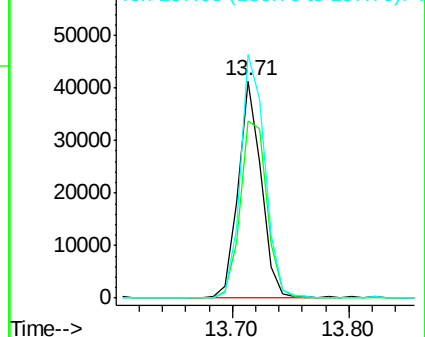
157 112.2 67.2 201.6

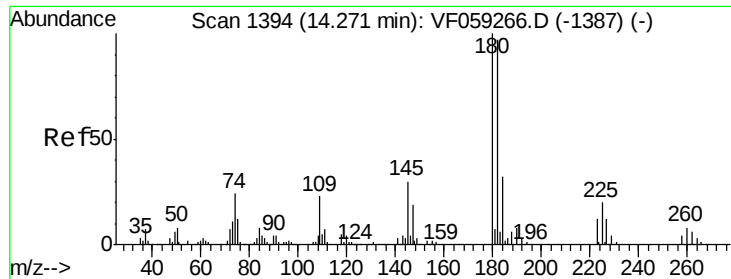


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

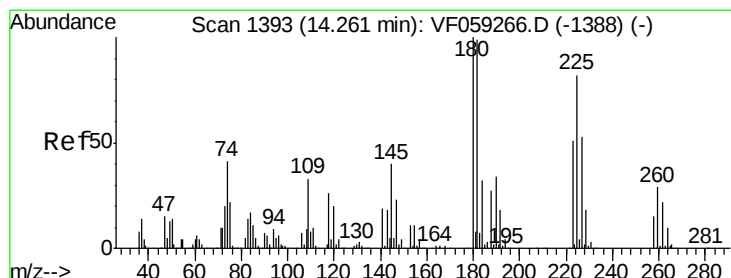
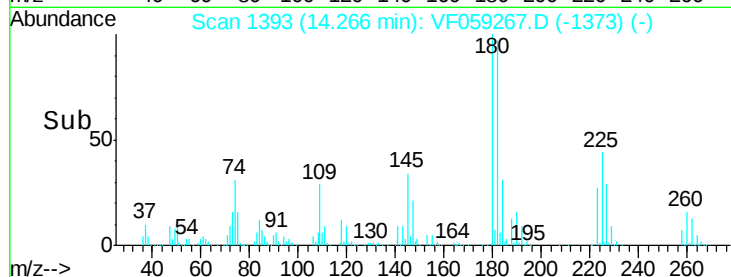
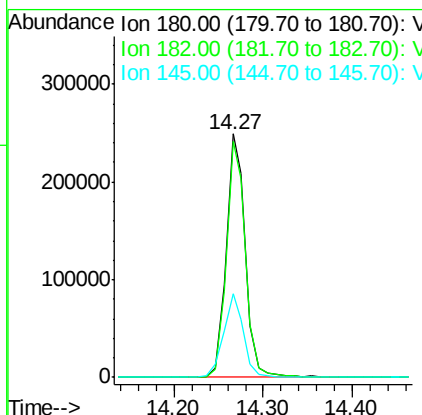
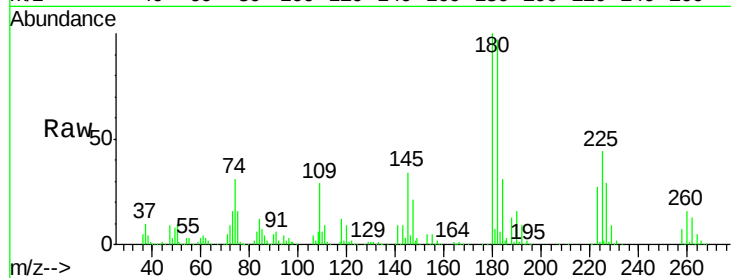




#93
1,2,4-Trichlorobenzene
Concen: 73.957 ug/l
RT: 14.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

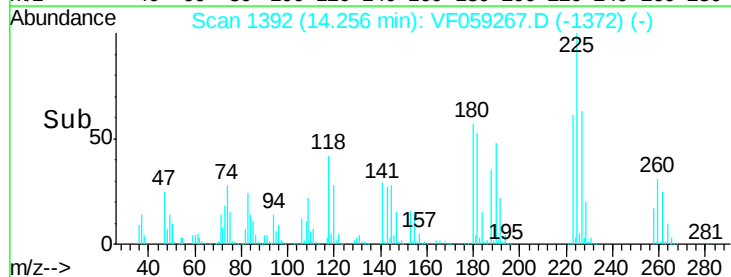
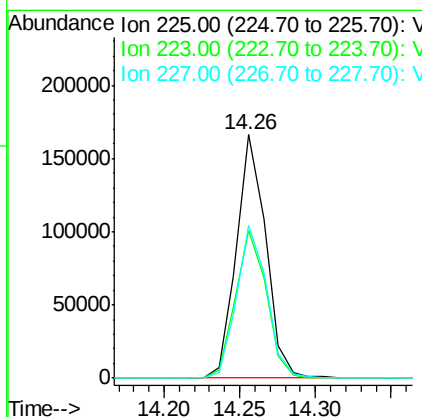
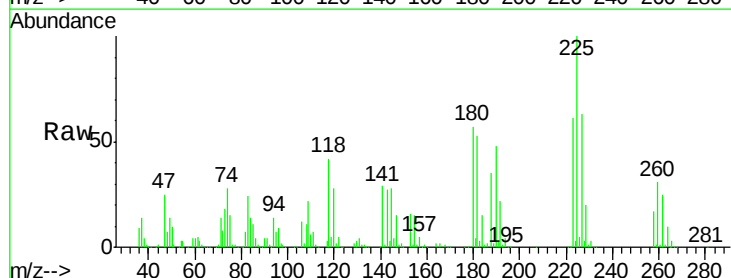
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

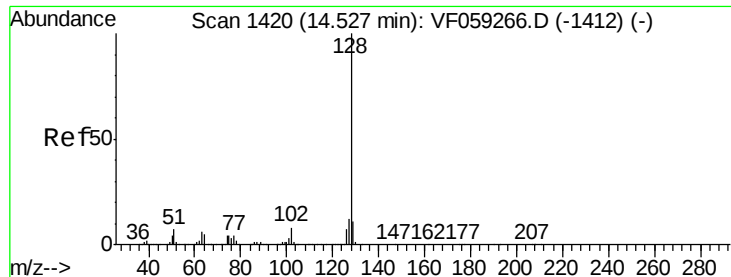
Tgt Ion:180 Resp: 377130
Ion Ratio Lower Upper
180 100
182 96.8 48.6 145.9
145 34.5 15.0 45.1



#94
Hexachlorobutadiene
Concen: 76.637 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059267.D
Acq: 21 Jun 2018 17:41

Tgt Ion:225 Resp: 225492
Ion Ratio Lower Upper
225 100
223 60.8 30.7 92.1
227 62.7 32.0 96.2





#95

Naphthalene

Concen: 75.597 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

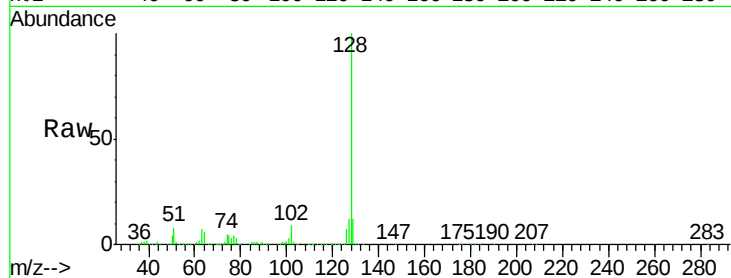
Tgt Ion:128 Resp: 824053

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

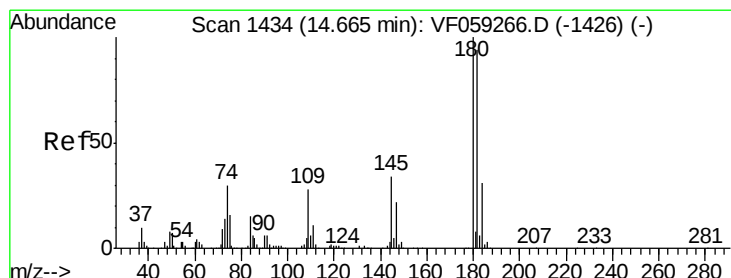
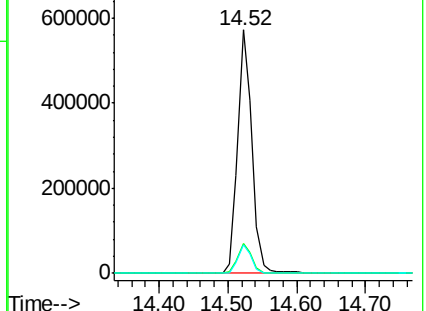
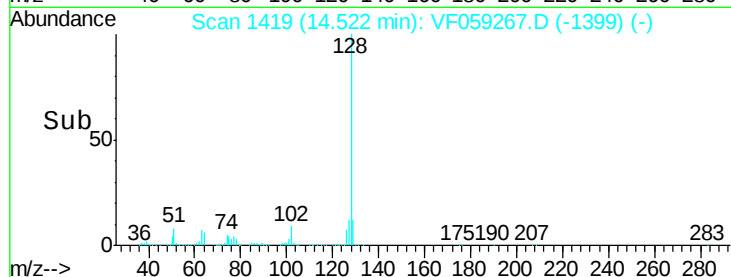
129 11.5 9.0 13.4



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: 78.282 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059267.D

Acq: 21 Jun 2018 17:41

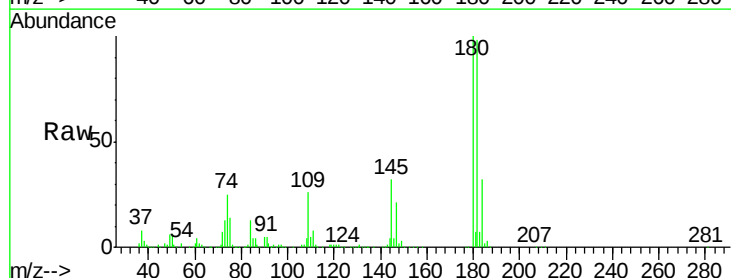
Tgt Ion:180 Resp: 369269

Ion Ratio Lower Upper

180 100

182 98.4 46.9 140.7

145 32.4 17.0 50.9



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

