

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070718\
 Data File : VF059473.D
 Acq On : 7 Jul 2018 3:27
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 07 05:45:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	236771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	347923	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.88	117	360405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	230400	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	211501	64.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.92%	
35) Dibromofluoromethane	4.26	113	161411	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
50) Toluene-d8	7.68	98	393904	59.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.44%	
62) 4-Bromofluorobenzene	11.48	95	220987	59.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	174639	73.261	ug/l 100
3) Chloromethane	1.07	50	81340	54.367	ug/l 100
4) Vinyl Chloride	1.14	62	83662	56.717	ug/l 100
5) Bromomethane	1.33	94	60039	59.550	ug/l 100
6) Chloroethane	1.42	64	43982	58.795	ug/l 100
7) Trichlorofluoromethane	1.47	101	66453	21.915	ug/l 100
8) Diethyl Ether	1.68	74	39257	52.822	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	103207	59.663	ug/l 100
10) Methyl Iodide	1.95	142	185027	59.082	ug/l 100
11) Tert butyl alcohol	2.67	59	52295	256.700	ug/l 100
12) 1,1-Dichloroethene	1.84	96	91689	62.400	ug/l 100
13) Acrolein	2.07	56	33952	280.652	ug/l 100
14) Allyl chloride	2.17	41	149367	55.793	ug/l 100
15) Acrylonitrile	3.04	53	85938	241.380	ug/l 100
16) Acetone	2.31	43	161317	199.880	ug/l 100
17) Carbon Disulfide	1.85	76	232136	66.282	ug/l 100
18) Methyl Acetate	2.42	43	65187	40.821	ug/l 100
19) Methyl tert-butyl Ether	2.51	73	295669	55.403	ug/l 100
20) Methylene Chloride	2.25	84	44970	19.372	ug/l 100
21) trans-1,2-Dichloroethene	2.38	96	91938	58.945	ug/l 100
22) Diisopropyl ether	2.90	45	308079	52.488	ug/l 100
23) Vinyl Acetate	3.30	43	970605	261.790	ug/l 100
24) 1,1-Dichloroethane	2.97	63	211987	57.033	ug/l 100
25) 2-Butanone	4.47	43	216945	223.066	ug/l 100
26) 2,2-Dichloropropane	3.72	77	125567	50.445	ug/l 100
27) cis-1,2-Dichloroethene	3.60	96	117080	51.196	ug/l 100
28) Bromochloromethane	3.85	49	85030	52.780	ug/l 100
29) Tetrahydrofuran	4.22	42	100453	234.202	ug/l 100
30) Chloroform	4.00	83	306869	57.055	ug/l 100
31) Cyclohexane	3.82	56	127513	53.072	ug/l 100
32) 1,1,1-Trichloroethane	4.23	97	232664	58.749	ug/l 100
36) 1,1-Dichloropropene	4.41	75	183582	57.804	ug/l 100
37) Ethyl Acetate	4.26	43	110209	51.270	ug/l 100
38) Carbon Tetrachloride	4.13	117	281179	68.789	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	165908	58.888	ug/l	100
40) Benzene	4.77	78	346825	50.755	ug/l	100
41) Methacrylonitrile	4.89	41	52184	50.250	ug/l	100
42) 1,2-Dichloroethane	5.08	62	260198	62.545	ug/l	100
43) Isopropyl Acetate	7.07	43	122891	48.734	ug/l	100
44) Trichloroethene	5.64	130	135047	56.368	ug/l	100
45) 1,2-Dichloropropane	6.37	63	97177	49.944	ug/l	100
46) Dibromomethane	6.22	93	98755	57.608	ug/l	100
47) Bromodichloromethane	6.51	83	242654	58.135	ug/l	100
48) Methyl methacrylate	6.84	41	92640	53.947	ug/l	100
49) 1,4-Dioxane	6.83	88	9434	911.586	ug/l	100
51) 4-Methyl-2-Pentanone	8.38	43	480928	255.799	ug/l	100
52) Toluene	7.75	92	276604	53.730	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	210673	55.752	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	219200	54.170	ug/l	100
55) 1,1,2-Trichloroethane	8.60	97	109805	55.269	ug/l	100
56) Ethyl methacrylate	8.73	69	124647	51.542	ug/l	100
57) 1,3-Dichloropropane	8.97	76	181305	53.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	58023	304.121	ug/l	100
59) 2-Hexanone	9.60	43	375401	242.128	ug/l	100
60) Dibromochloromethane	8.83	129	183587	59.262	ug/l	100
61) 1,2-Dibromoethane	9.11	107	135681	56.145	ug/l	100
64) Tetrachloroethene	8.27	164	156374	63.235	ug/l	100
65) Chlorobenzene	9.91	112	359926	52.734	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	164451	55.300	ug/l	100
67) Ethyl Benzene	10.01	91	616506	53.024	ug/l	100
68) m/p-Xylenes	10.24	106	423200	103.031	ug/l	100
69) o-Xylene	10.80	106	239226	52.195	ug/l	100
70) Styrene	10.87	104	368798	52.741	ug/l	100
71) Bromoform	10.86	173	114724	56.546	ug/l	100
73) Isopropylbenzene	11.21	105	743101	54.184	ug/l	100
74) N-amyl acetate	11.44	43	234270	48.361	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	165985	49.132	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	134634	51.952	ug/l	100
77) Bromobenzene	11.57	156	193965	51.396	ug/l	100
78) n-propylbenzene	11.67	91	850832	51.688	ug/l	100
79) 2-Chlorotoluene	11.79	91	528956	52.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	657566	54.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	69859	46.487	ug/l	100
82) 4-Chlorotoluene	11.96	91	552659	51.637	ug/l	100
83) tert-Butylbenzene	12.19	119	632653	52.900	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	665828	52.735	ug/l	100
85) sec-Butylbenzene	12.37	105	861850	54.022	ug/l	100
86) p-Isopropyltoluene	12.52	119	734460	54.712	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	362981	51.704	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	361503	53.009	ug/l	100
89) n-Butylbenzene	12.90	91	719762	52.808	ug/l	100
90) Hexachloroethane	12.98	117	185359	55.240	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	362305	52.717	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	43299	56.532	ug/l	100

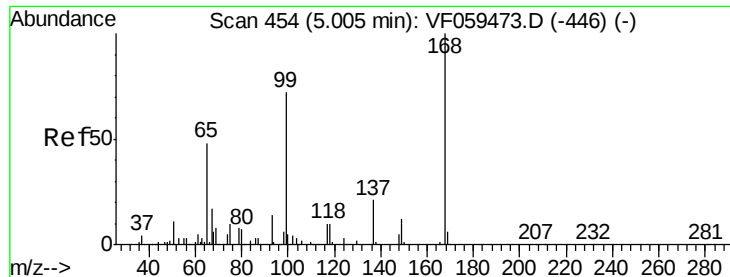
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	282198	55.285	ug/l	100
94) Hexachlorobutadiene	14.24	225	176167	60.182	ug/l	100
95) Naphthalene	14.51	128	623260	58.301	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	280330	57.682	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

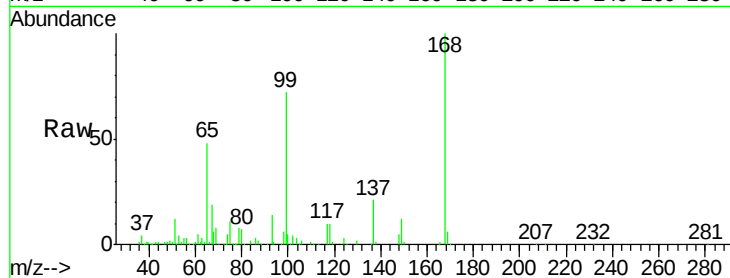
VSTDICCC050

Tgt Ion:168 Resp: 236771

Ion Ratio Lower Upper

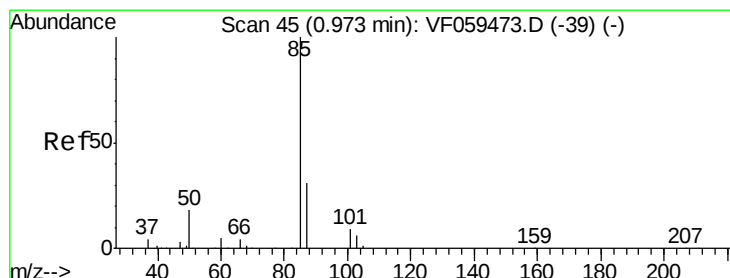
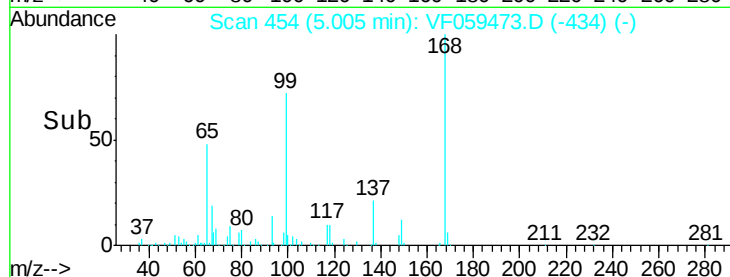
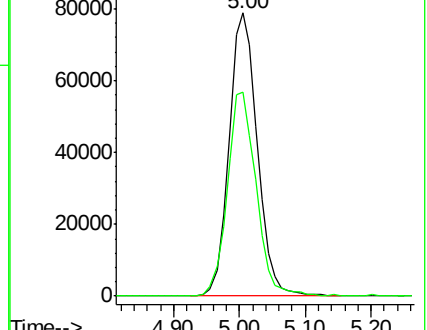
168 100

99 72.1 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 73.261 ug/l

RT: 0.97 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059473.D

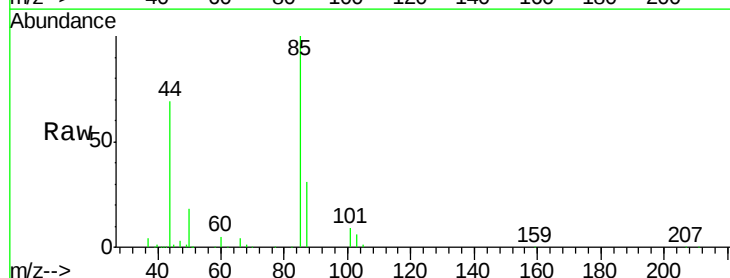
Acq: 7 Jul 2018 3:27

Tgt Ion: 85 Resp: 174639

Ion Ratio Lower Upper

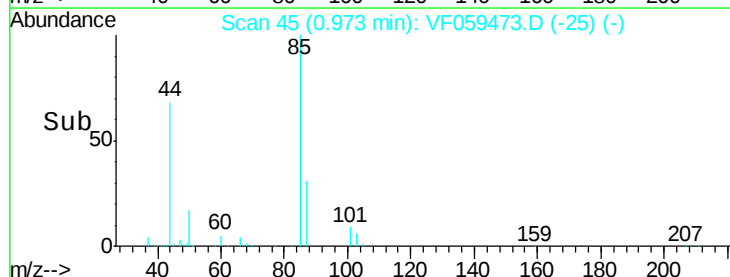
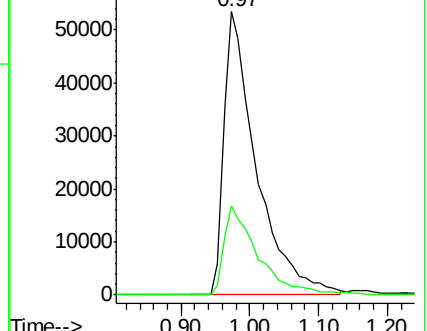
85 100

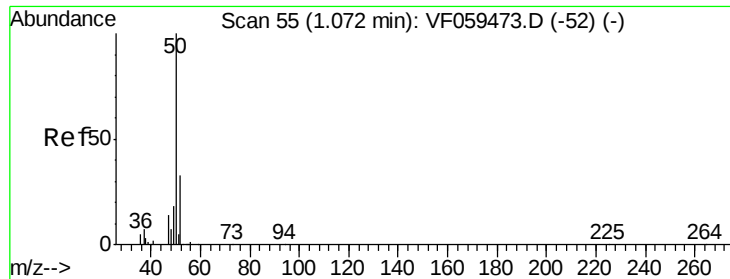
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 54.367 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

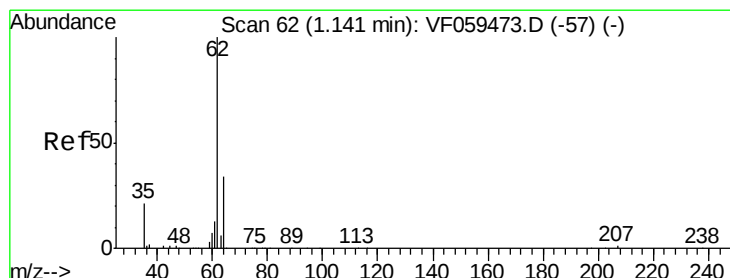
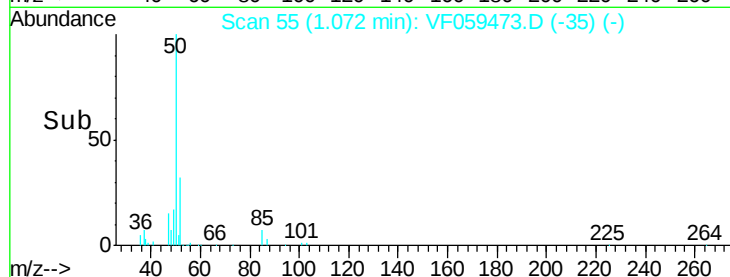
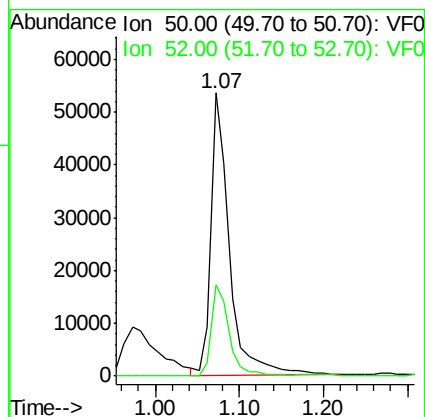
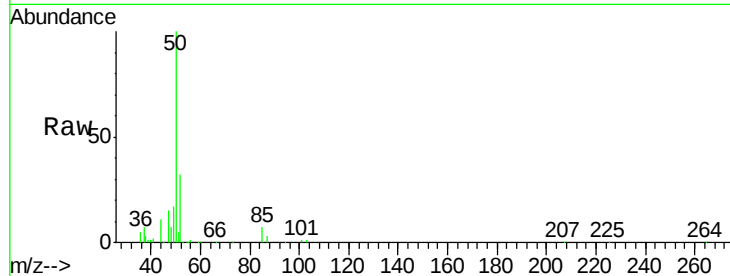
VSTDICCC050

Tgt Ion: 50 Resp: 81340

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 56.717 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059473.D

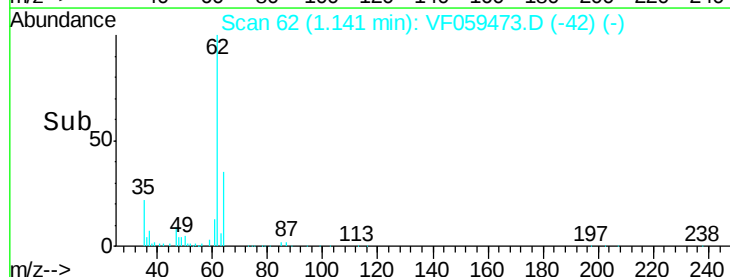
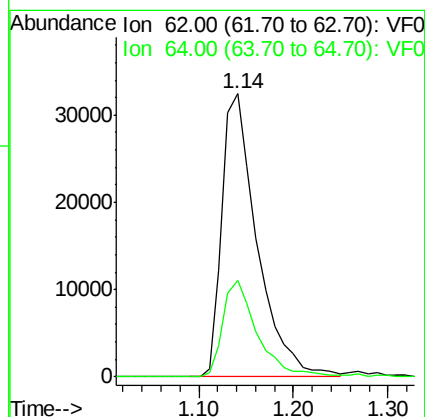
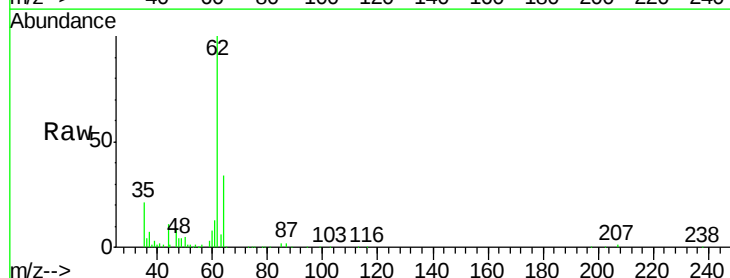
Acq: 7 Jul 2018 3:27

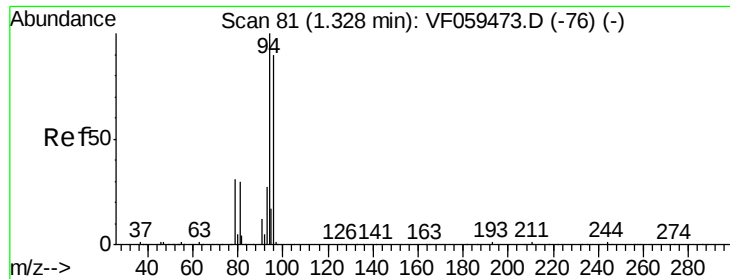
Tgt Ion: 62 Resp: 83662

Ion Ratio Lower Upper

62 100

64 34.1 27.3 40.9





#5

Bromomethane

Concen: 59.550 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

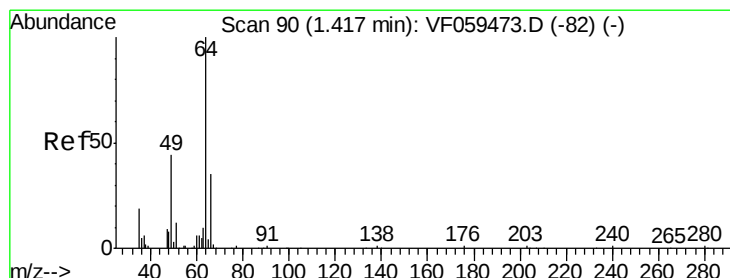
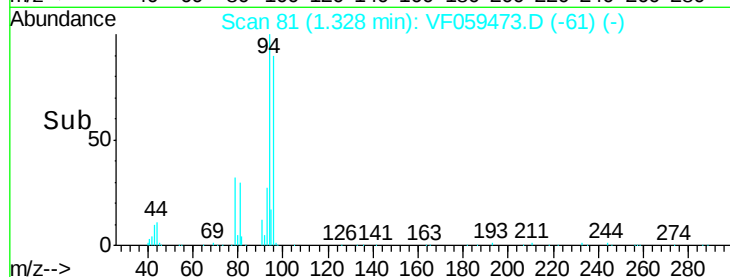
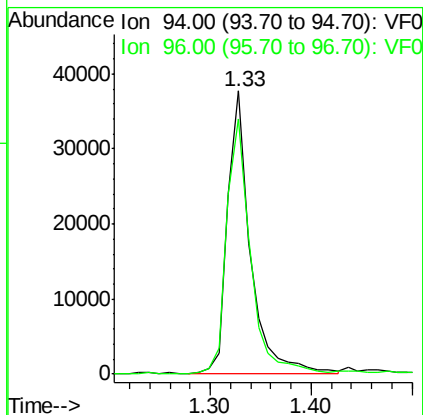
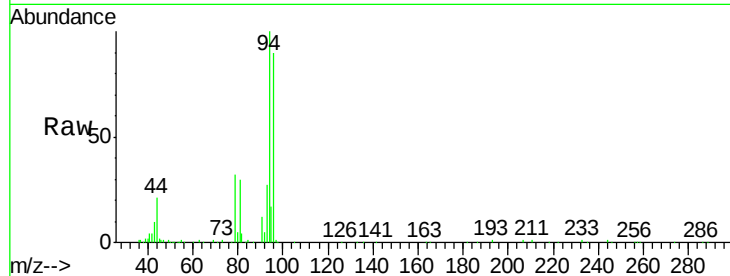
VSTDICCC050

Tgt Ion: 94 Resp: 60039

Ion Ratio Lower Upper

94 100

96 90.0 72.0 108.0



#6

Chloroethane

Concen: 58.795 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059473.D

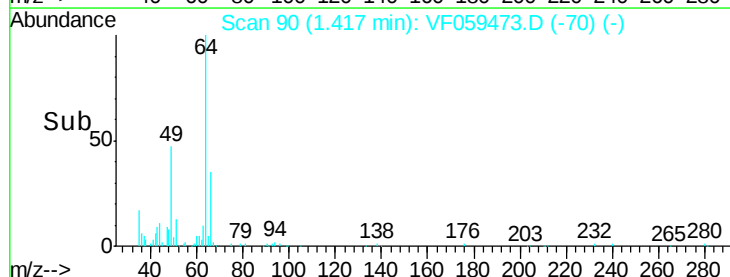
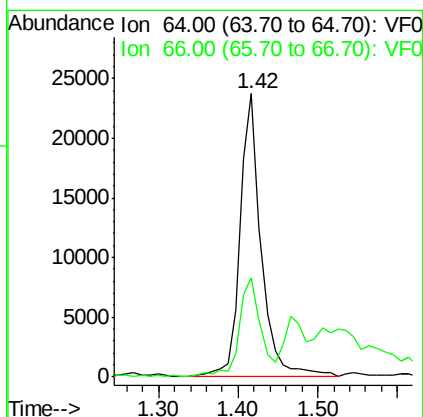
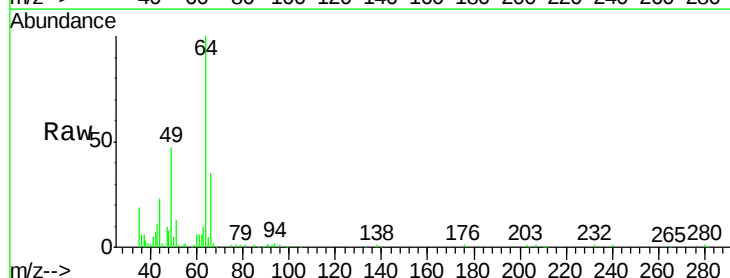
Acq: 7 Jul 2018 3:27

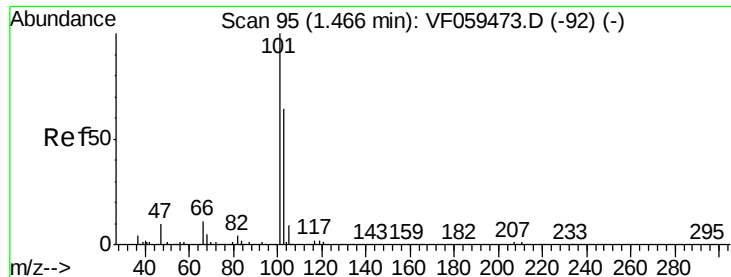
Tgt Ion: 64 Resp: 43982

Ion Ratio Lower Upper

64 100

66 35.1 28.1 42.1





#7

Trichlorofluoromethane

Concen: 21.915 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

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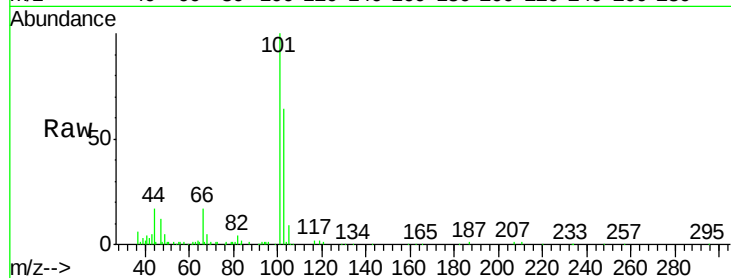
VSTDICCC050

Tgt Ion:101 Resp: 66453

Ion Ratio Lower Upper

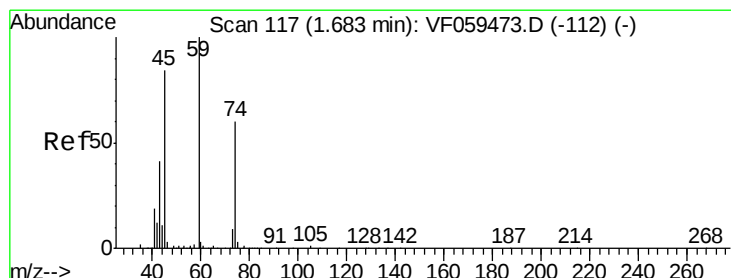
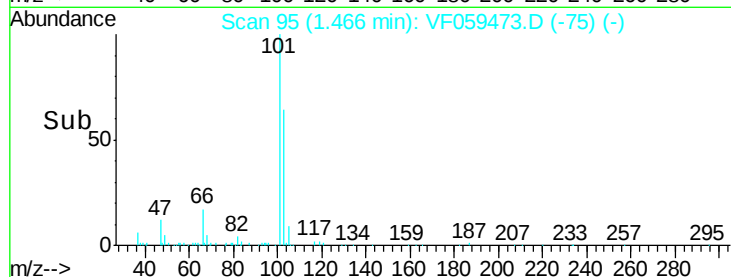
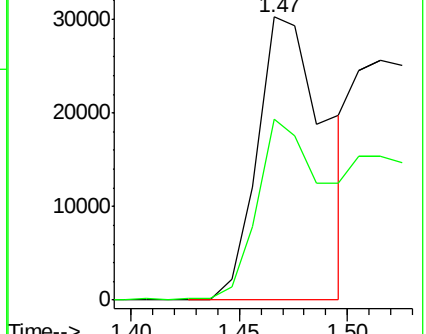
101 100

103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.822 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF059473.D

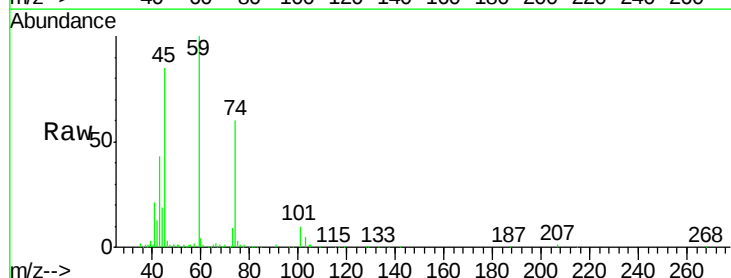
Acq: 7 Jul 2018 3:27

Tgt Ion: 74 Resp: 39257

Ion Ratio Lower Upper

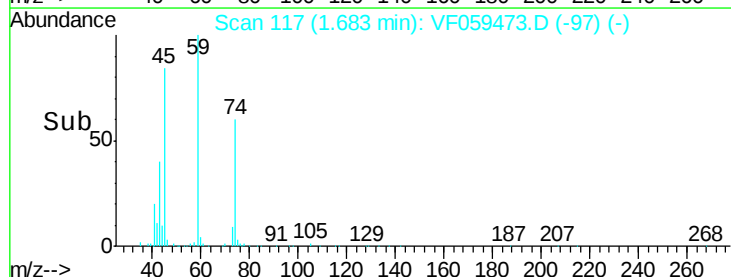
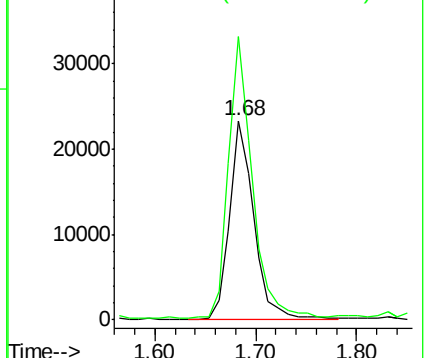
74 100

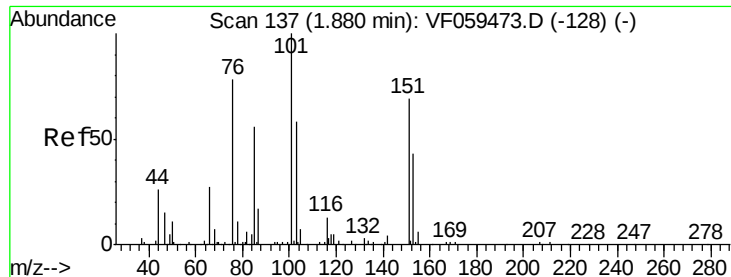
45 142.2 71.1 213.3



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: 59.663 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059473.D

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VSTDICCC050

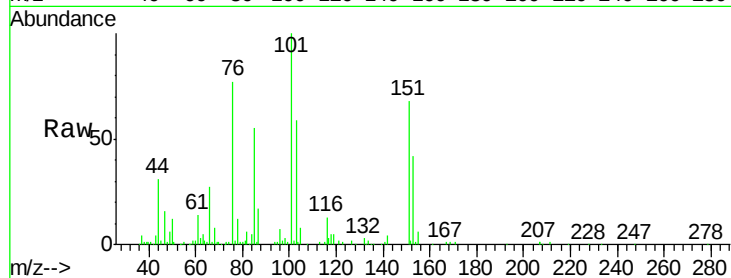
Tgt Ion:101 Resp: 103207

Ion Ratio Lower Upper

101 100

85 54.8 43.8 65.8

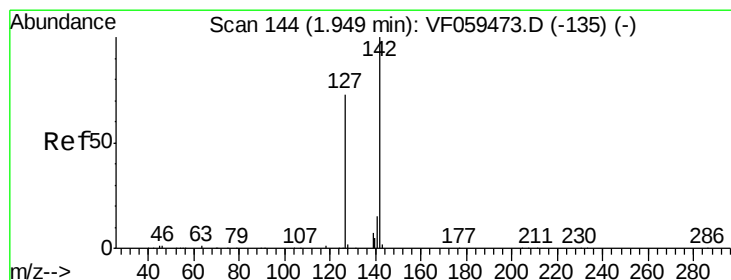
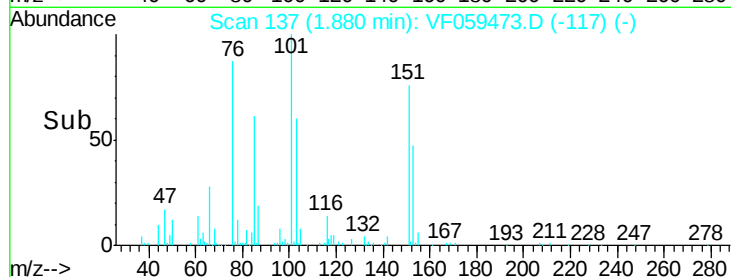
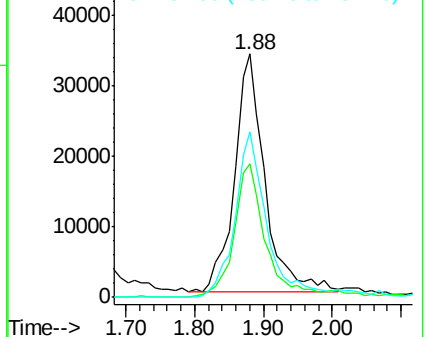
151 67.8 54.2 81.4



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: 59.082 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

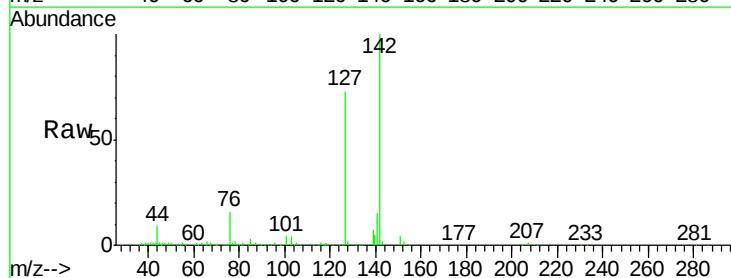
Tgt Ion:142 Resp: 185027

Ion Ratio Lower Upper

142 100

127 72.7 58.2 87.2

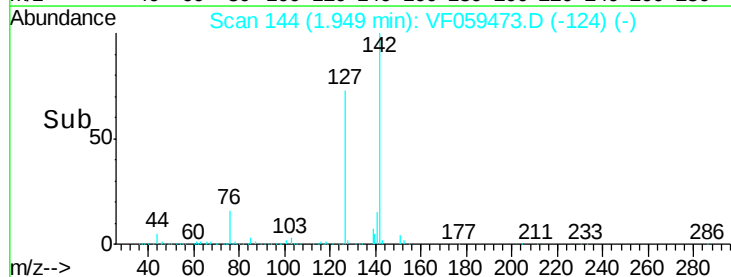
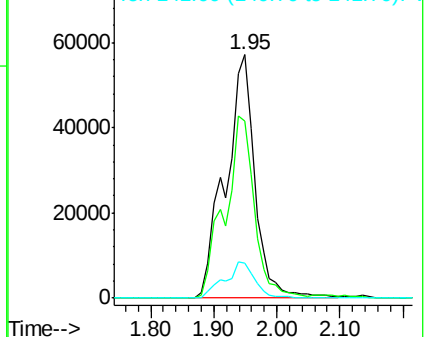
141 14.6 11.7 17.5

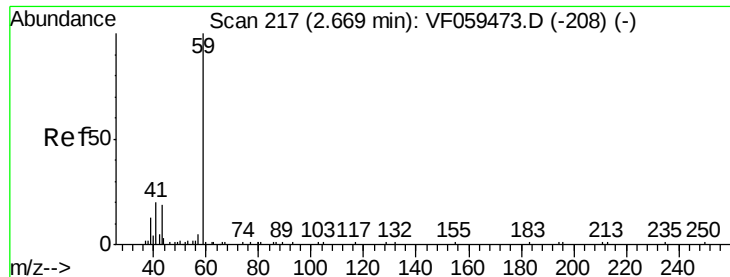


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

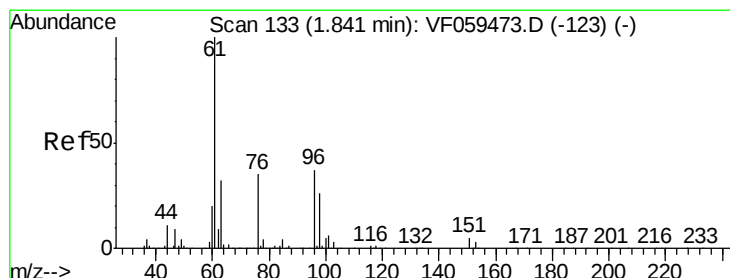
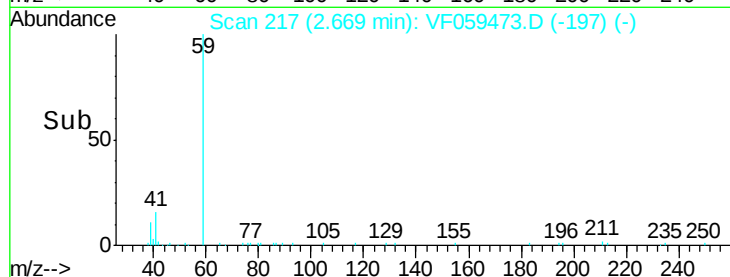
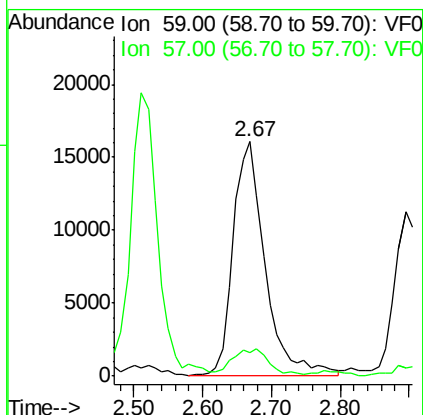
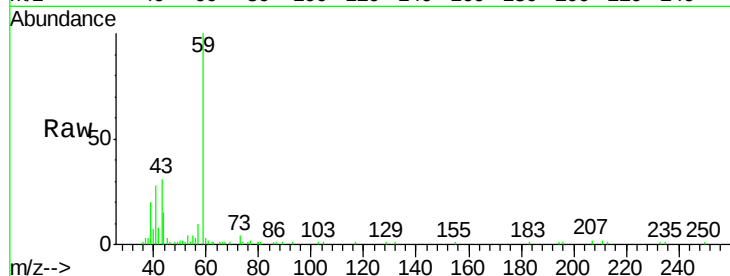




#11
Tert butyl alcohol
Concen: 256.700 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

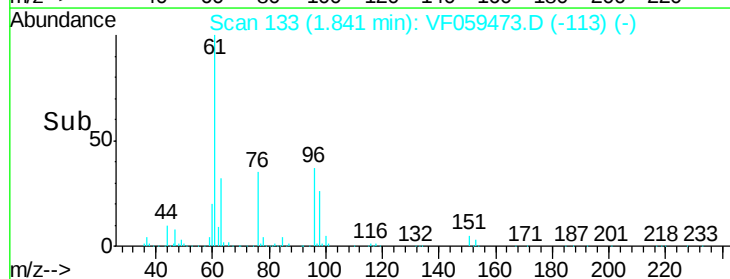
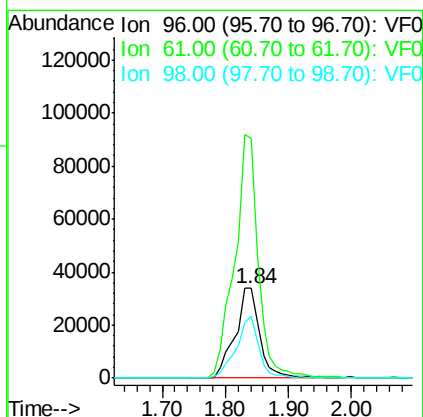
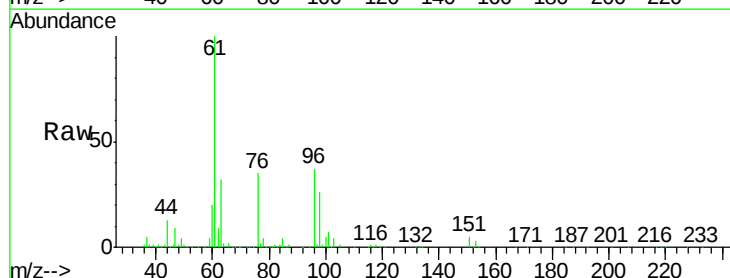
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

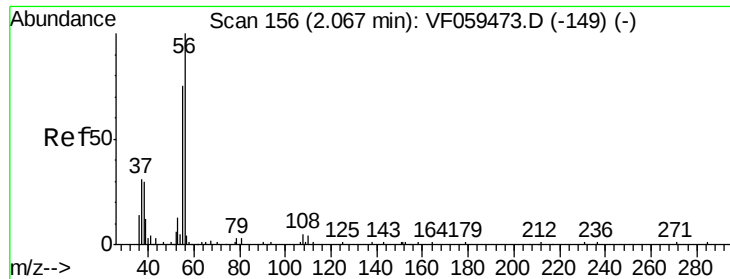
Tgt Ion: 59 Resp: 52295
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.8



#12
1,1-Dichloroethene
Concen: 62.400 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 96 Resp: 91689
Ion Ratio Lower Upper
96 100
61 268.0 214.4 321.6
98 69.5 55.6 83.4

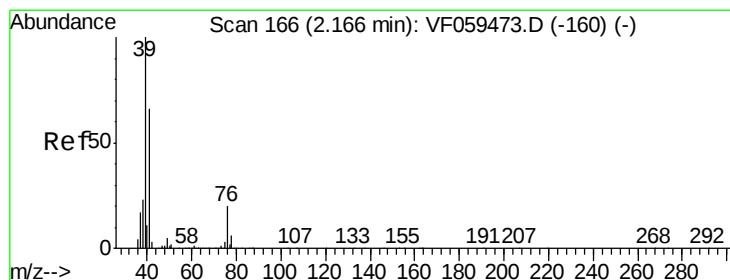
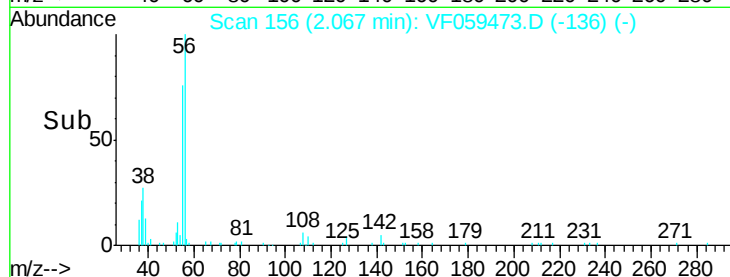
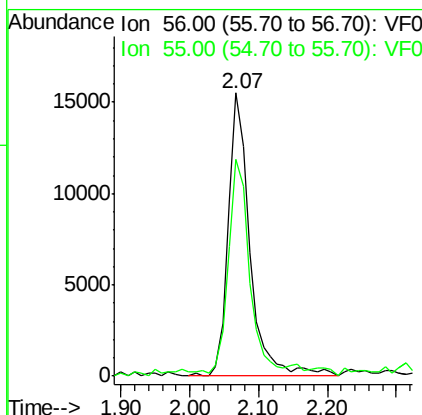
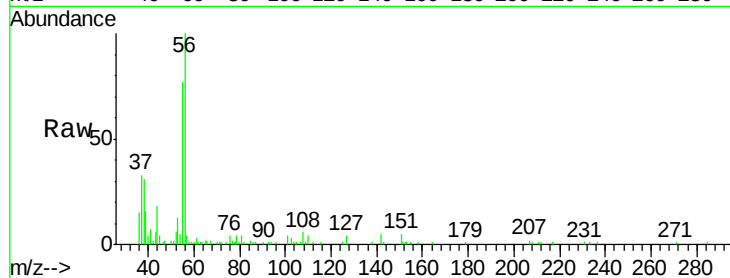




#13
 Acrolein
 Concen: 280.652 ug/l
 RT: 2.07 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

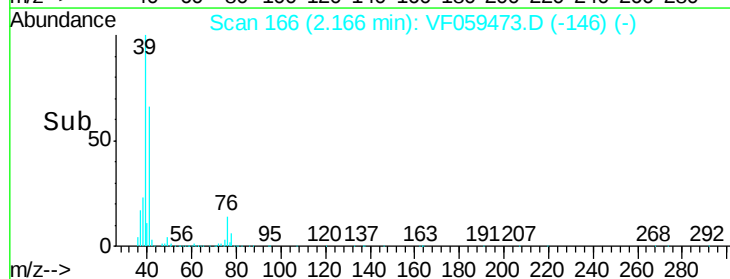
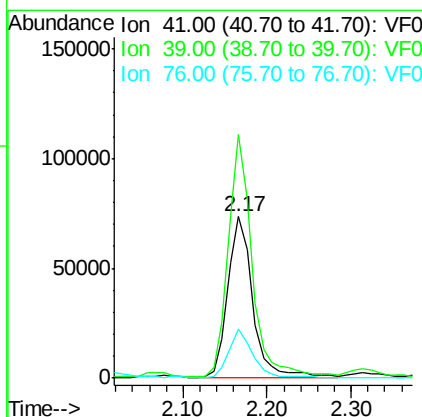
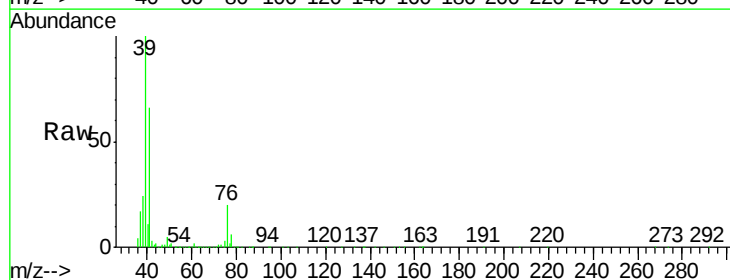
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

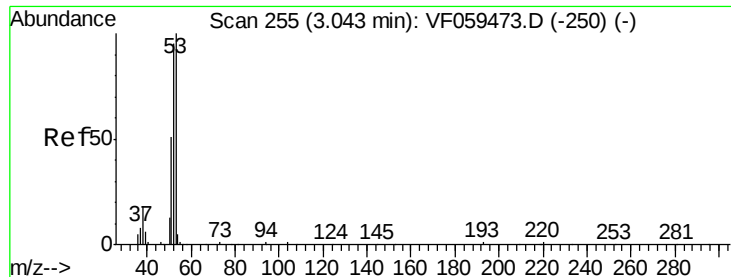
Tgt Ion: 56 Resp: 33952
 Ion Ratio Lower Upper
 56 100
 55 76.5 61.2 91.8



#14
 Allyl chloride
 Concen: 55.793 ug/l
 RT: 2.17 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion: 41 Resp: 149367
 Ion Ratio Lower Upper
 41 100
 39 150.9 120.7 181.1
 76 30.0 24.0 36.0





#15

Acrylonitrile

Concen: 241.380 ug/l

RT: 3.04 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

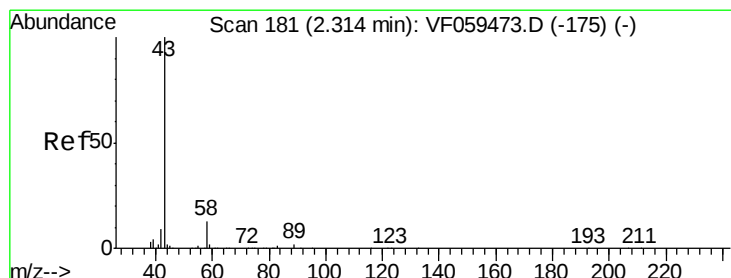
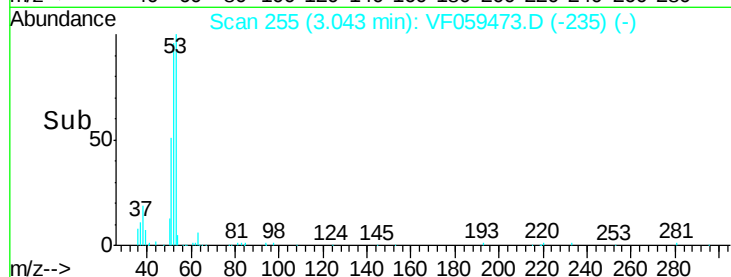
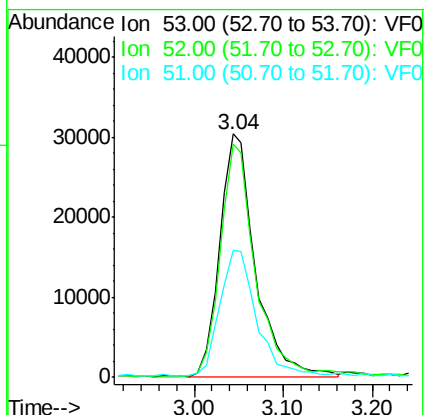
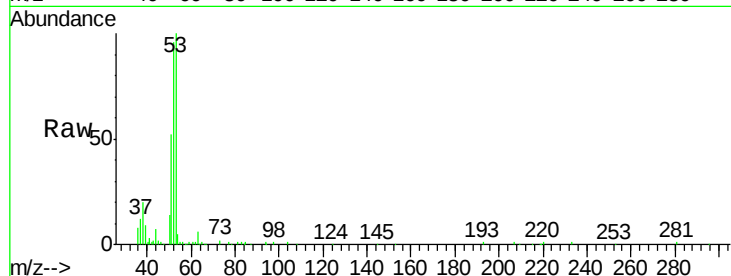
Tgt Ion: 53 Resp: 85938

Ion Ratio Lower Upper

53 100

52 96.0 76.8 115.2

51 52.3 41.8 62.8



#16

Acetone

Concen: 199.880 ug/l

RT: 2.31 min Scan# 181

Delta R.T. 0.00 min

Lab File: VF059473.D

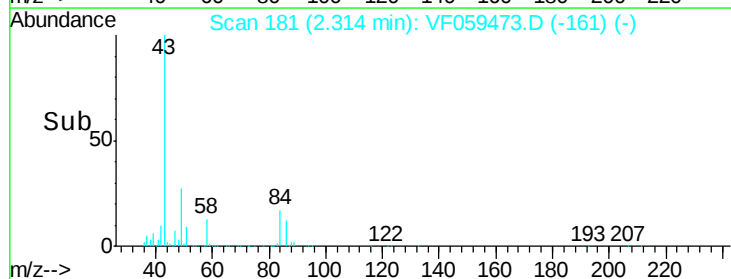
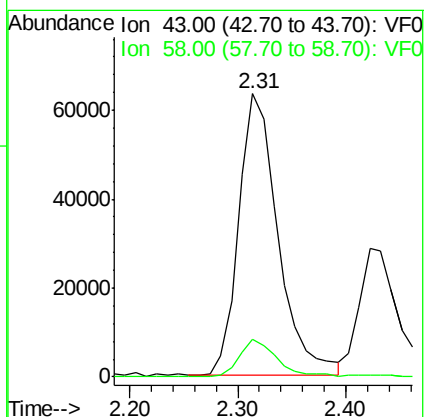
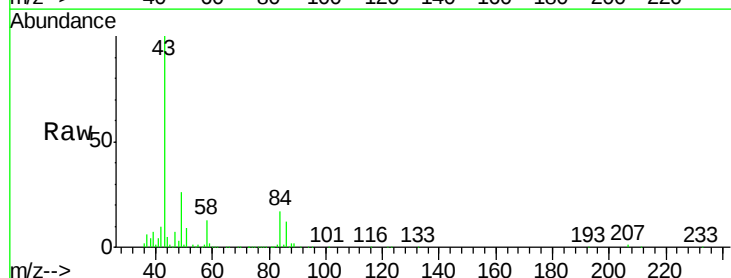
Acq: 7 Jul 2018 3:27

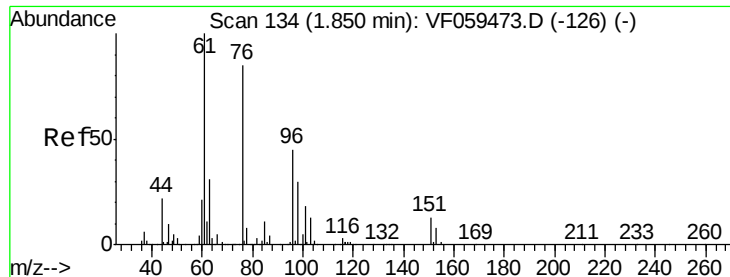
Tgt Ion: 43 Resp: 161317

Ion Ratio Lower Upper

43 100

58 13.1 10.5 15.7

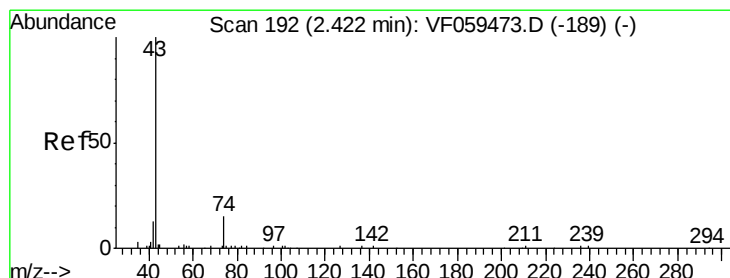
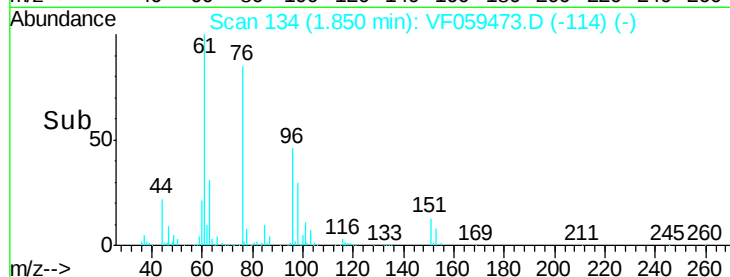
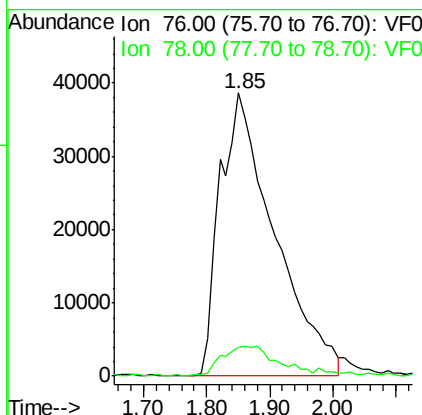
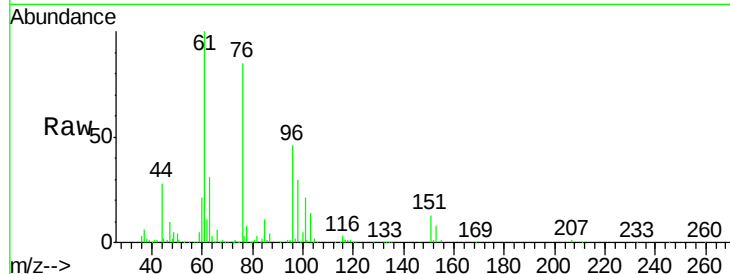




#17
Carbon Disulfide
Concen: 66.282 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

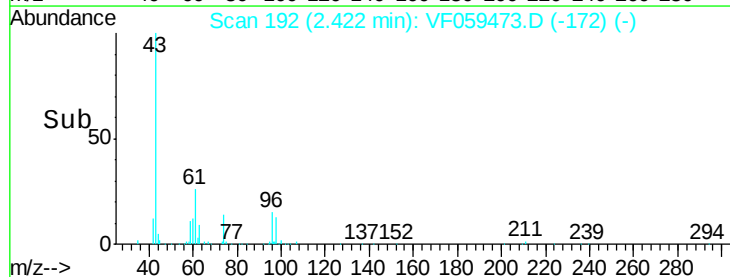
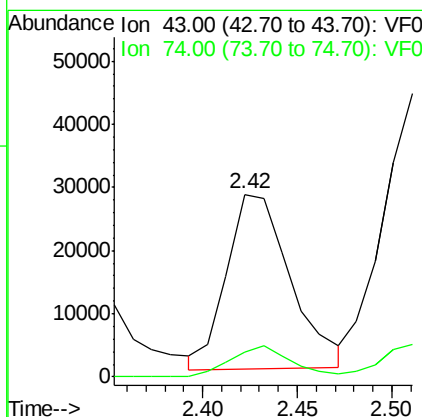
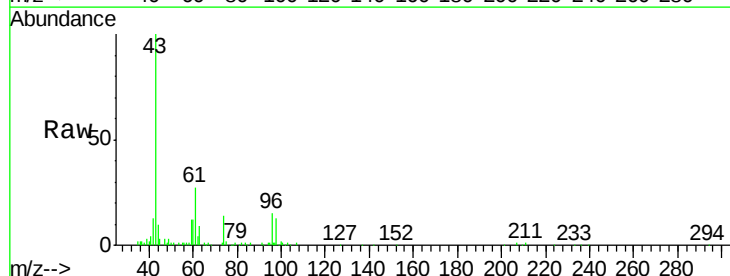
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

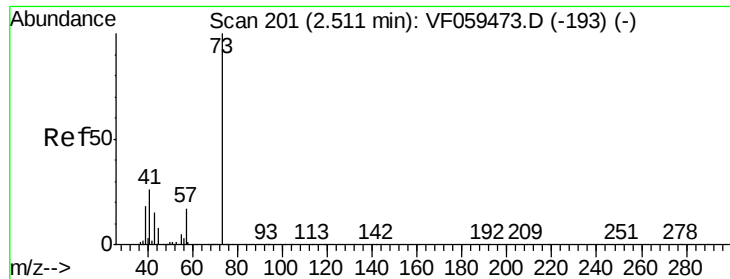
Tgt Ion: 76 Resp: 232136
Ion Ratio Lower Upper
76 100
78 10.0 8.0 12.0



#18
Methyl Acetate
Concen: 40.821 ug/l
RT: 2.42 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 43 Resp: 65187
Ion Ratio Lower Upper
43 100
74 13.5 10.8 16.2

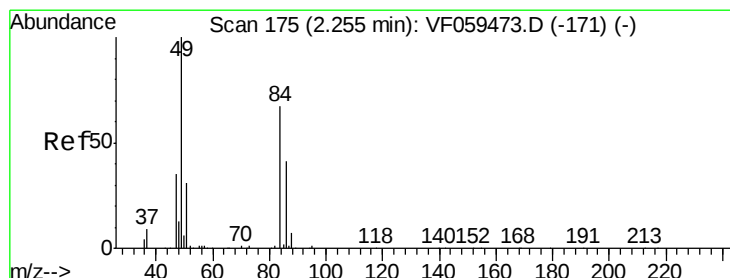
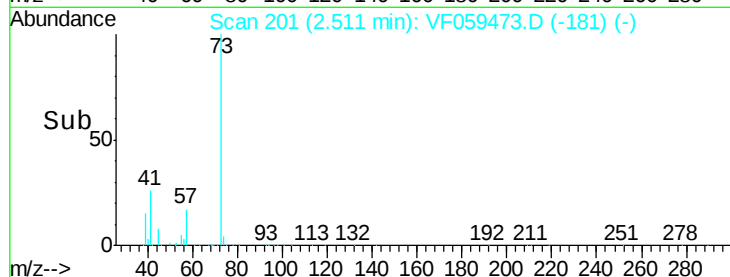
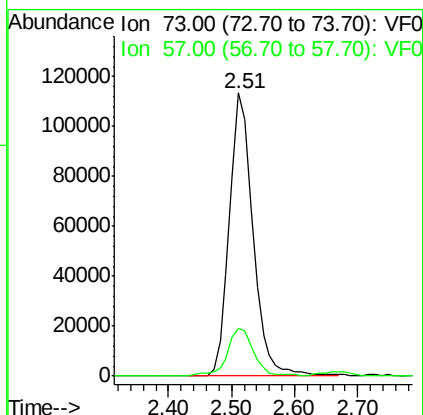
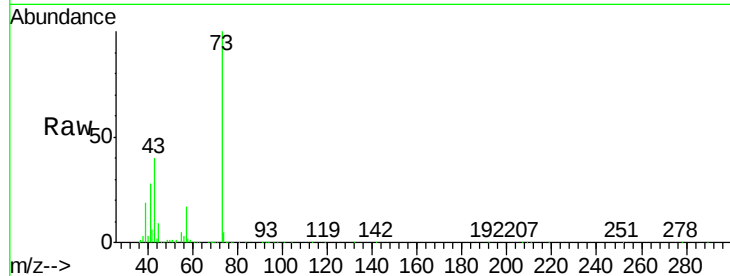




#19
Methyl tert-butyl Ether
Concen: 55.403 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

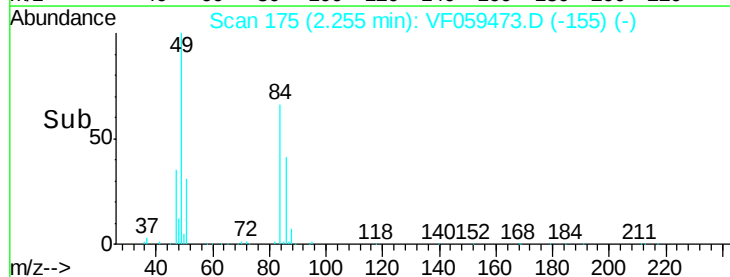
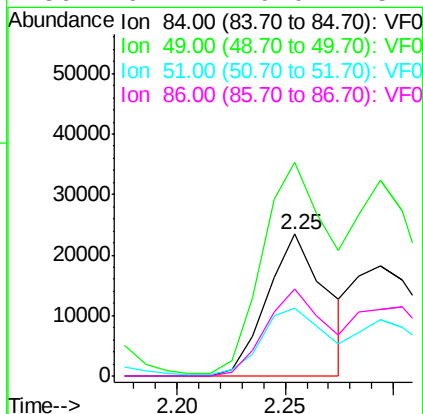
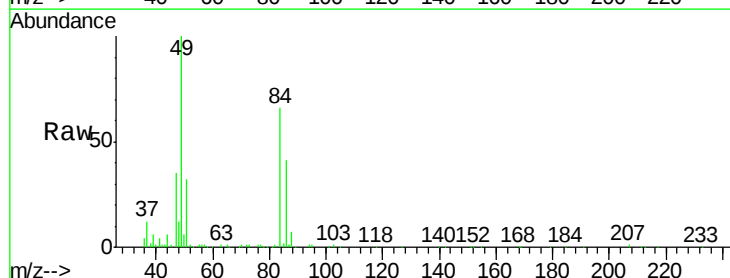
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

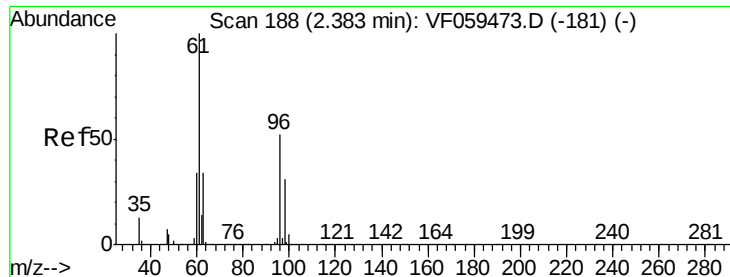
Tgt Ion: 73 Resp: 295669
Ion Ratio Lower Upper
73 100
57 17.1 13.7 20.5



#20
Methylene Chloride
Concen: 19.372 ug/l
RT: 2.25 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 84 Resp: 44970
Ion Ratio Lower Upper
84 100
49 150.5 120.4 180.6
51 47.6 38.1 57.1
86 61.2 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 58.945 ug/l

RT: 2.38 min Scan# 188

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

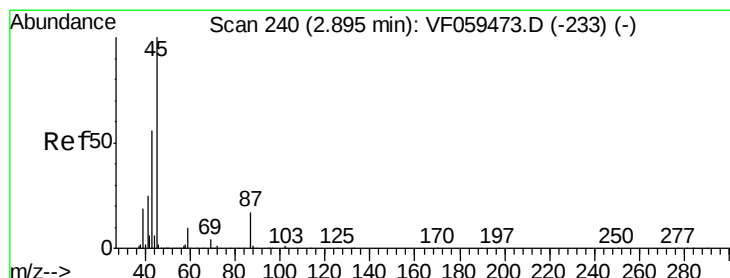
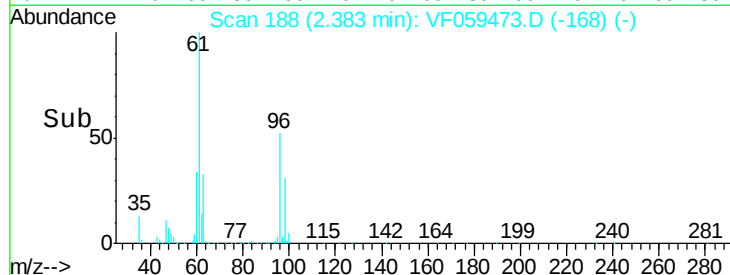
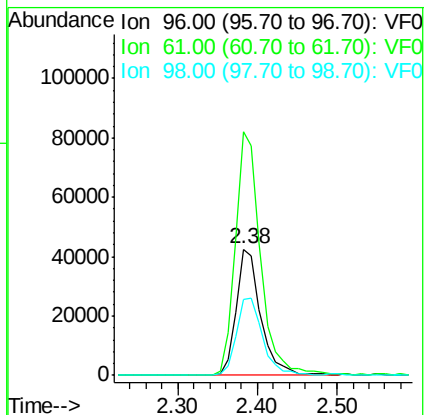
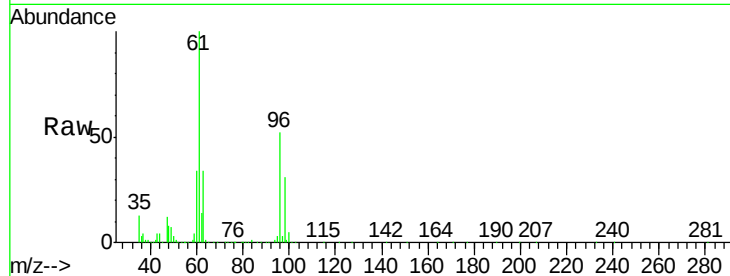
Tgt Ion: 96 Resp: 91938

Ion Ratio Lower Upper

96 100

61 192.9 154.3 231.5

98 60.3 48.2 72.4



#22

Diisopropyl ether

Concen: 52.488 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion: 45 Resp: 308079

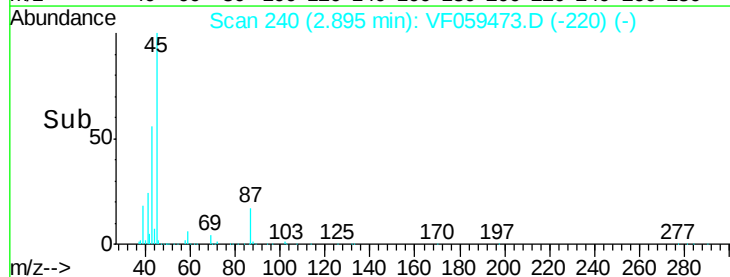
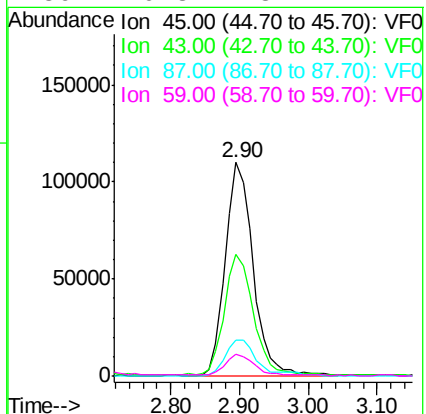
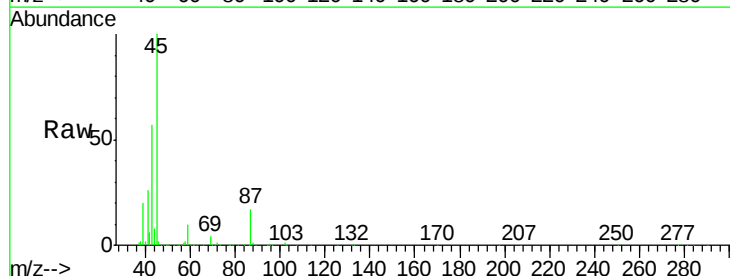
Ion Ratio Lower Upper

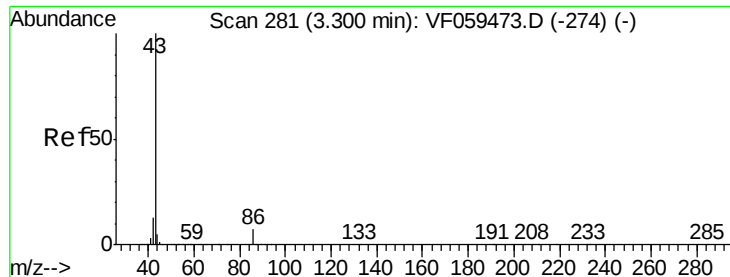
45 100

43 56.8 45.4 68.2

87 16.9 13.5 20.3

59 10.3 8.2 12.4





#23

Vinyl Acetate

Concen: 261.790 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

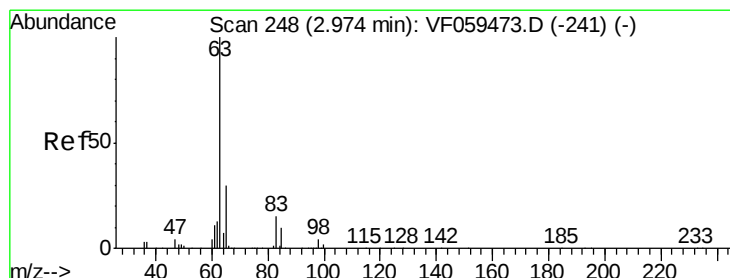
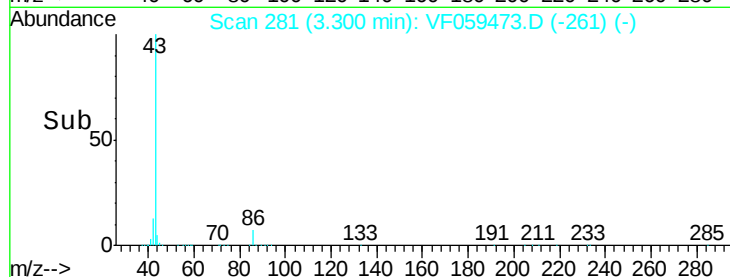
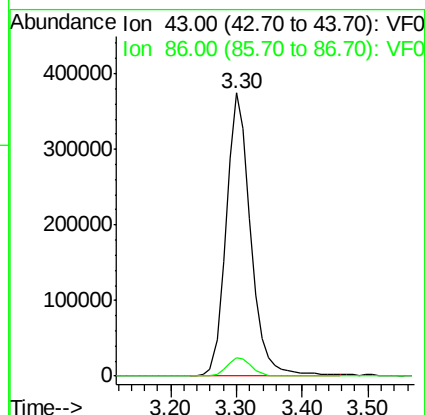
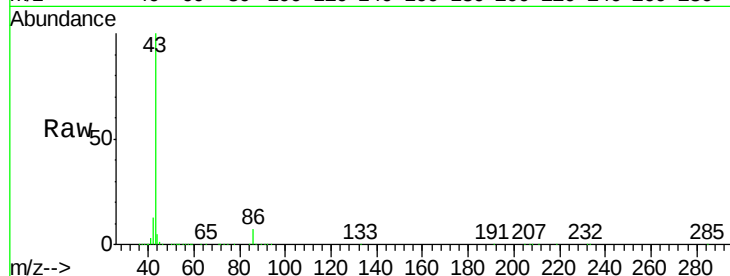
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 970605

Ion Ratio Lower Upper

43 100

86 6.6 5.3 7.9



#24

1,1-Dichloroethane

Concen: 57.033 ug/l

RT: 2.97 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

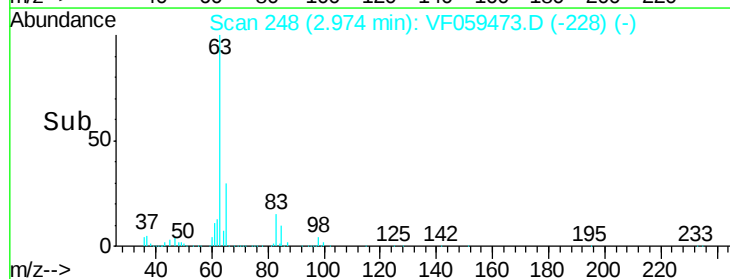
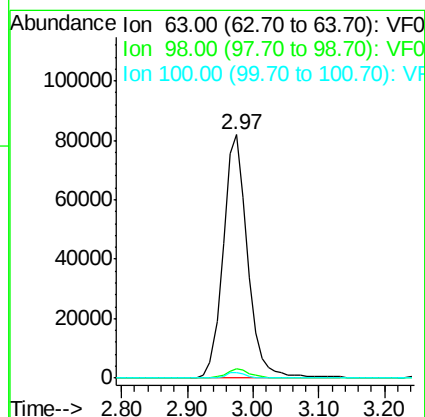
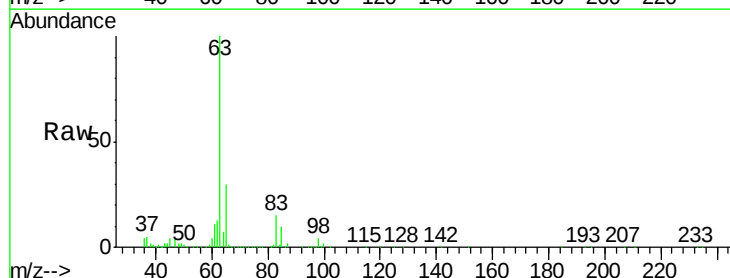
Tgt Ion: 63 Resp: 211987

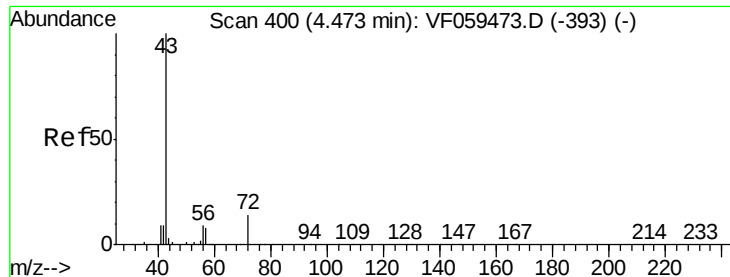
Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.5

100 2.2 1.1 3.3





#25

2-Butanone

Concen: 223.066 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

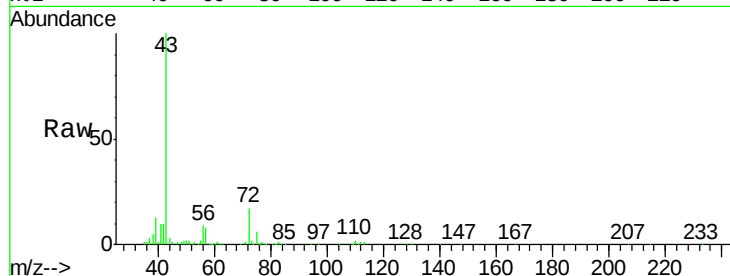
VSTDICCC050

Tgt Ion: 43 Resp: 216945

Ion Ratio Lower Upper

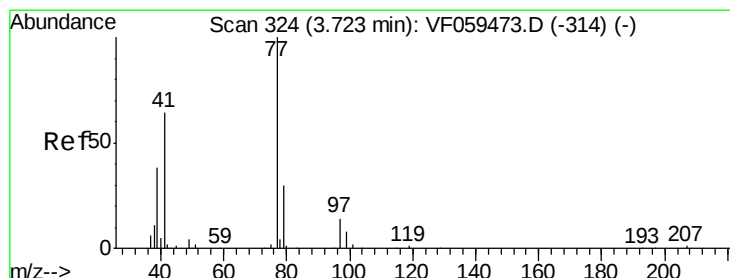
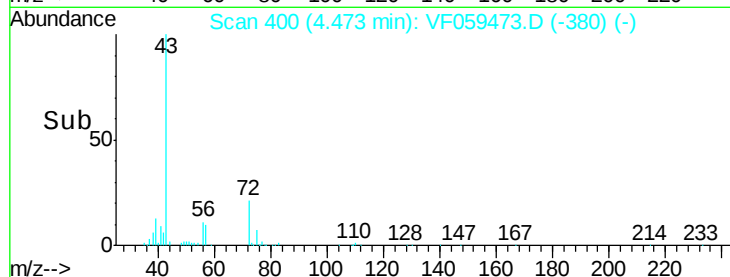
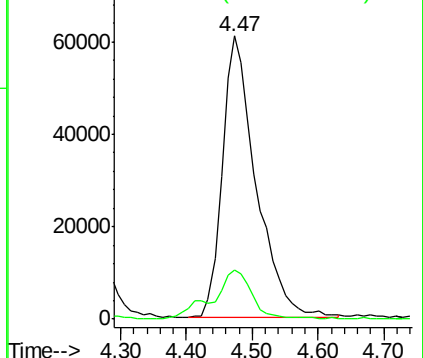
43 100

72 17.3 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 50.445 ug/l

RT: 3.72 min Scan# 324

Delta R.T. 0.00 min

Lab File: VF059473.D

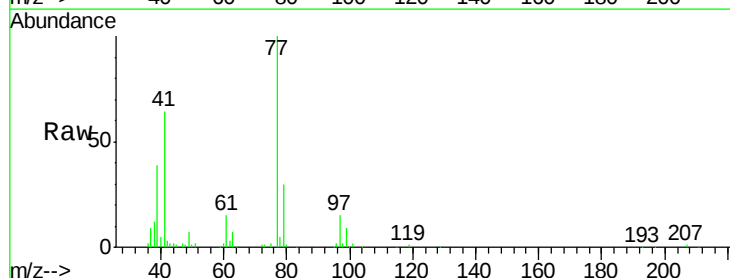
Acq: 7 Jul 2018 3:27

Tgt Ion: 77 Resp: 125567

Ion Ratio Lower Upper

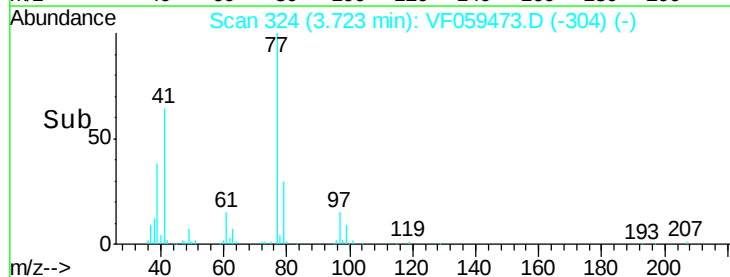
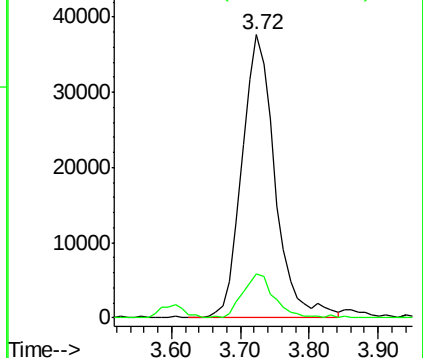
77 100

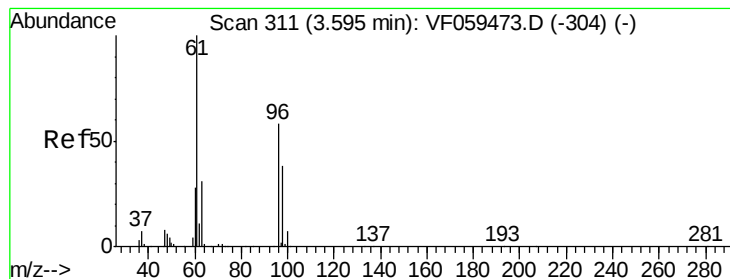
97 15.4 7.7 23.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



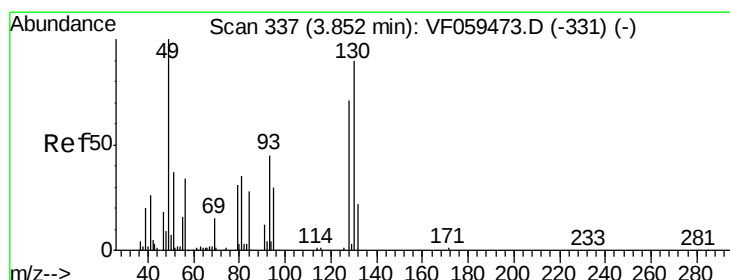
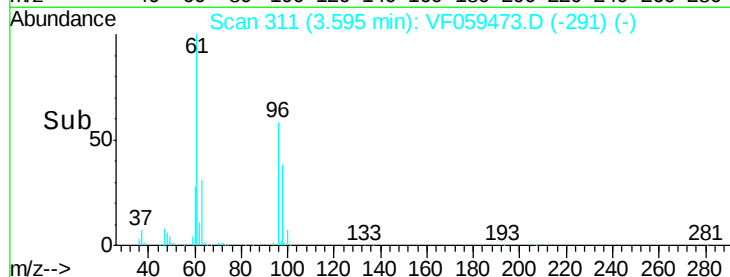
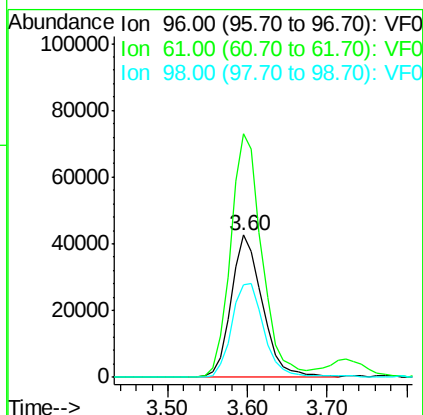
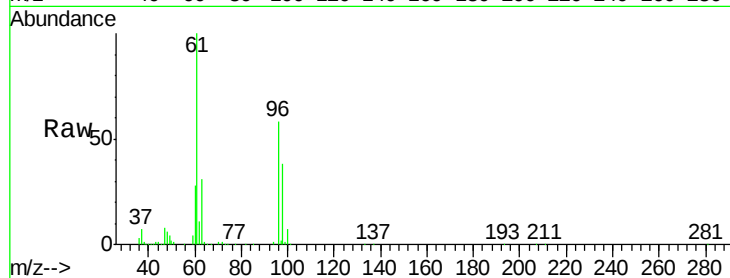


#27

cis-1,2-Dichloroethene
Concen: 51.196 ug/l
RT: 3.60 min Scan# 311
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

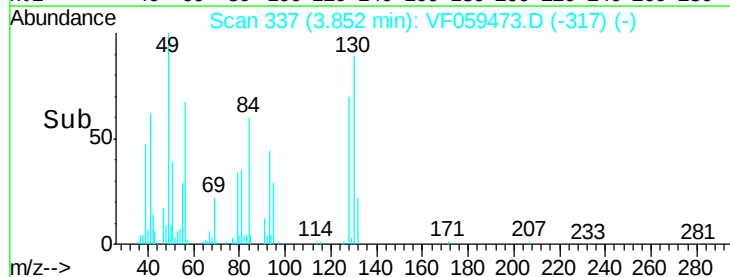
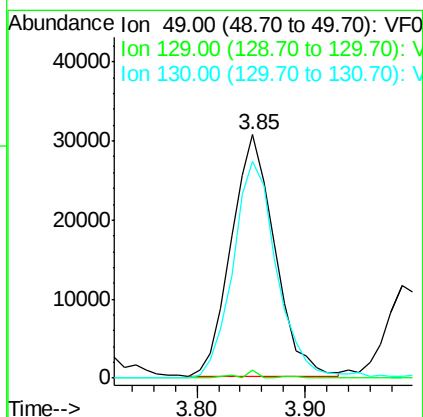
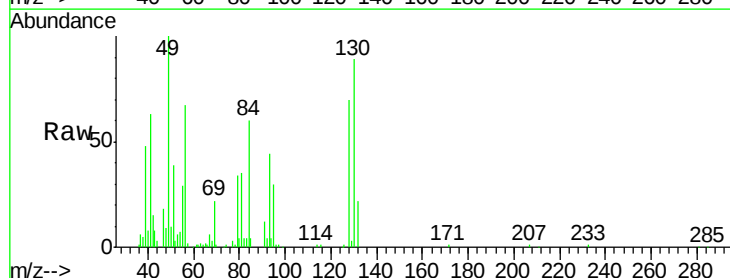
Tgt Ion: 96 Resp: 117080
Ion Ratio Lower Upper
96 100
61 171.0 0.0 342.0
98 65.0 0.0 130.0

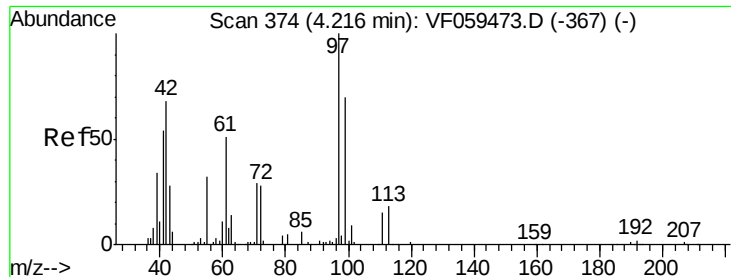


#28

Bromochloromethane
Concen: 52.780 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 49 Resp: 85030
Ion Ratio Lower Upper
49 100
129 3.1 0.0 6.2
130 89.2 71.4 107.0





#29

Tetrahydrofuran

Concen: 234.202 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

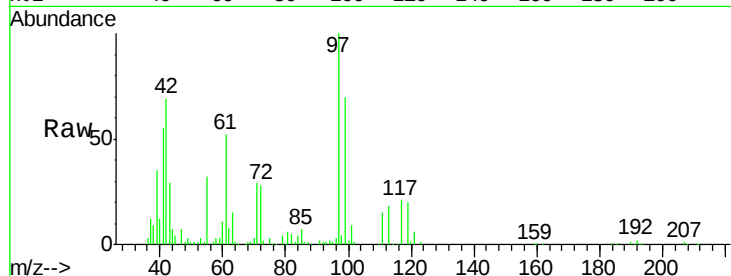
Tgt Ion: 42 Resp: 100453

Ion Ratio Lower Upper

42 100

72 36.5 29.2 43.8

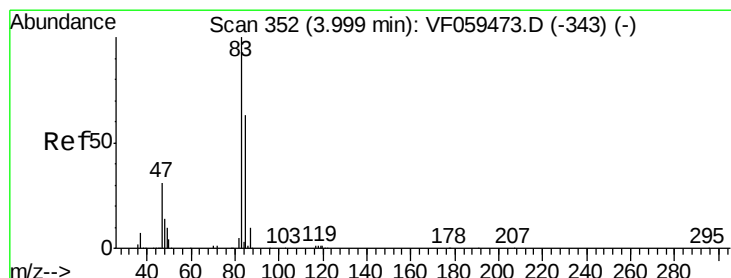
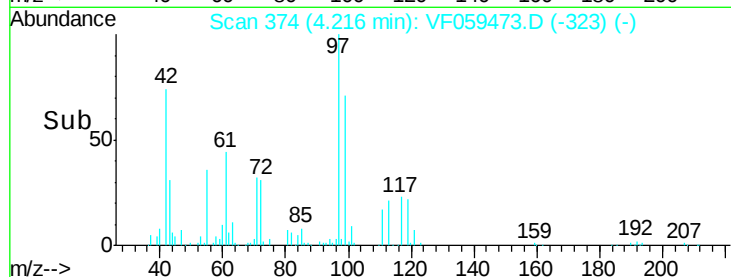
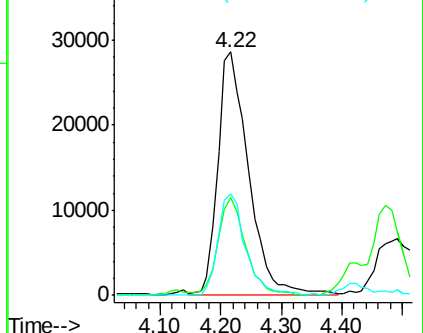
71 37.6 30.1 45.1



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: 57.055 ug/l

RT: 4.00 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF059473.D

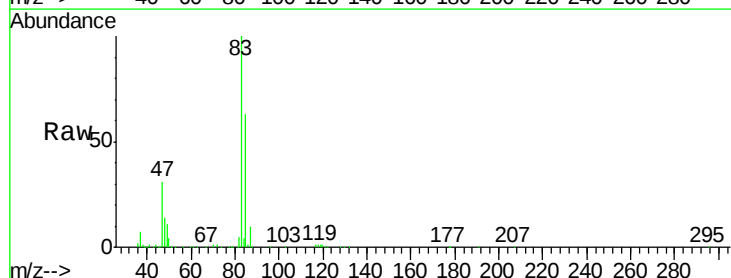
Acq: 7 Jul 2018 3:27

Tgt Ion: 83 Resp: 306869

Ion Ratio Lower Upper

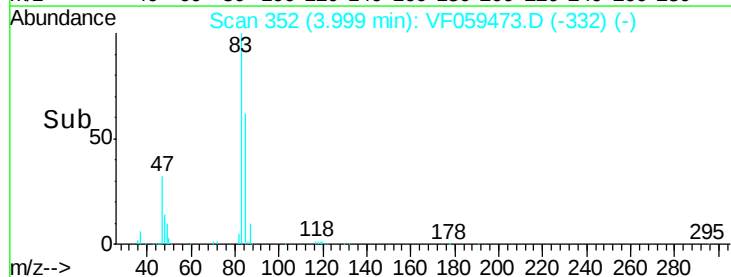
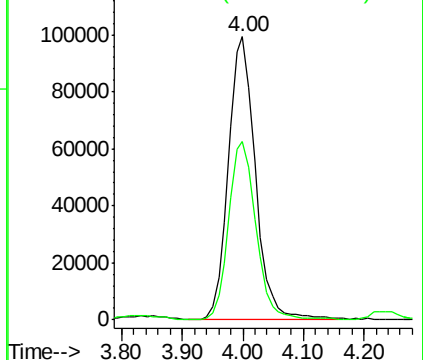
83 100

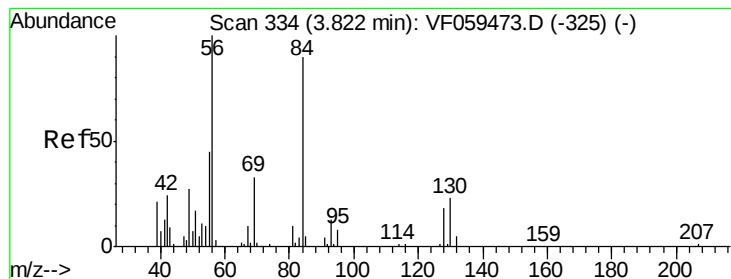
85 62.9 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 53.072 ug/l

RT: 3.82 min Scan# 334

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

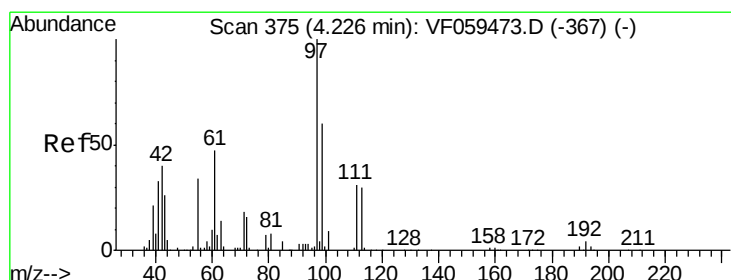
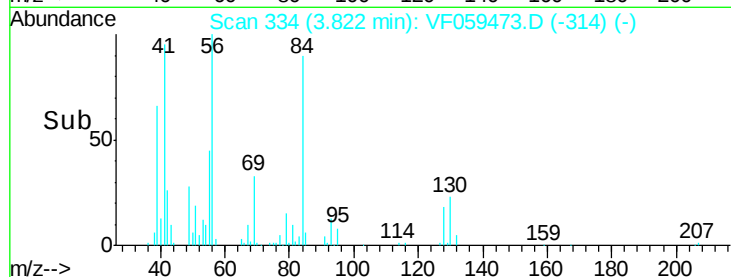
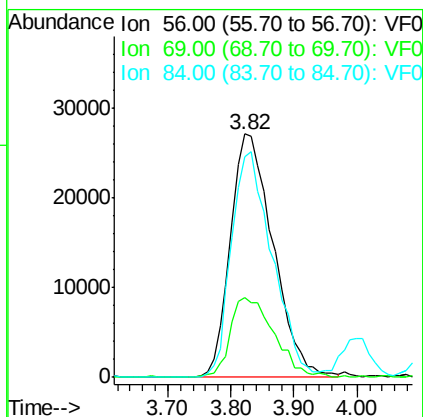
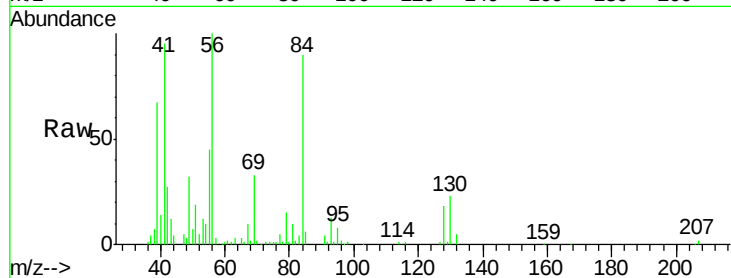
Tgt Ion: 56 Resp: 127513

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

84 90.4 72.3 108.5



#32

1,1,1-Trichloroethane

Concen: 58.749 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

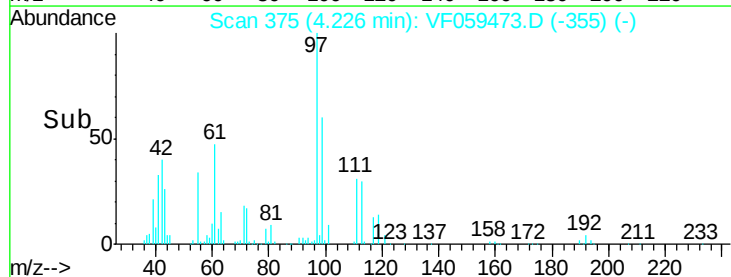
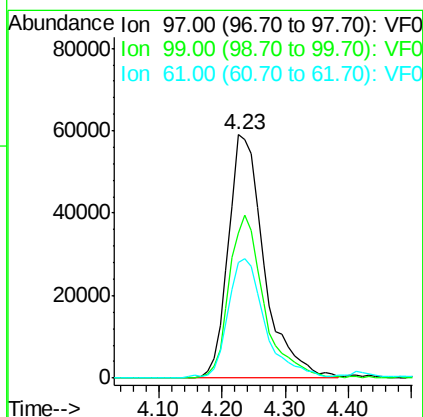
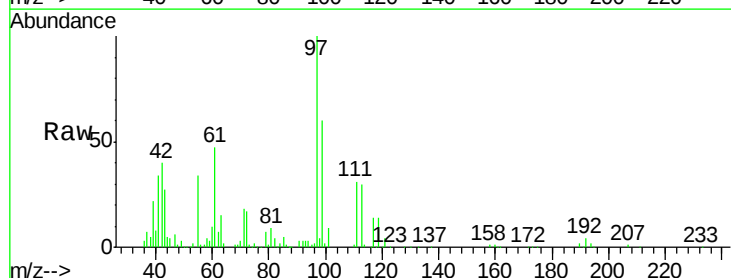
Tgt Ion: 97 Resp: 232664

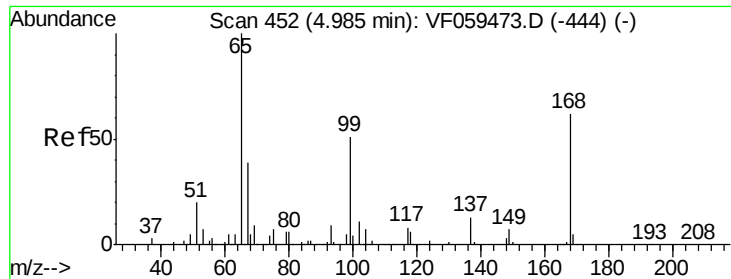
Ion Ratio Lower Upper

97 100

99 59.7 47.8 71.6

61 47.4 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 64.457 ug/l

RT: 4.99 min Scan# 452

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

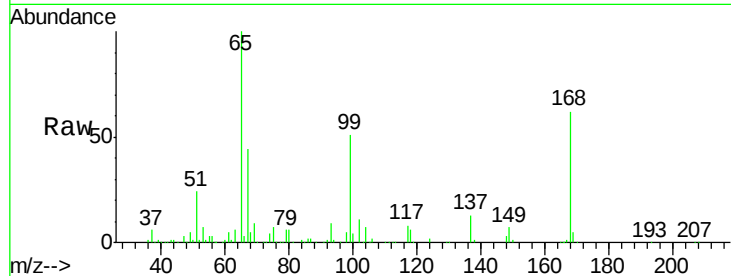
VSTDICCC050

Tgt Ion: 65 Resp: 211501

Ion Ratio Lower Upper

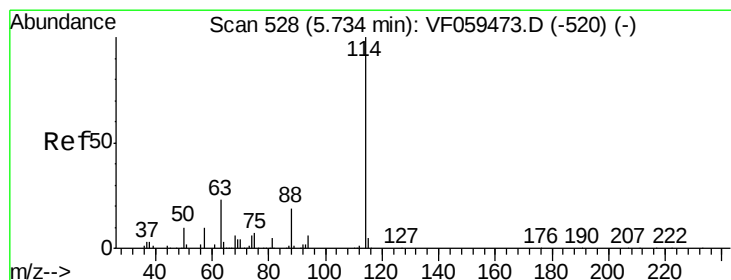
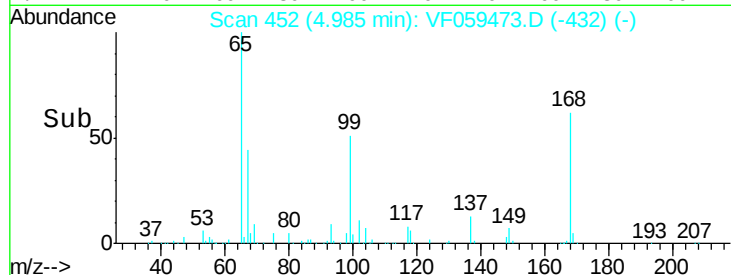
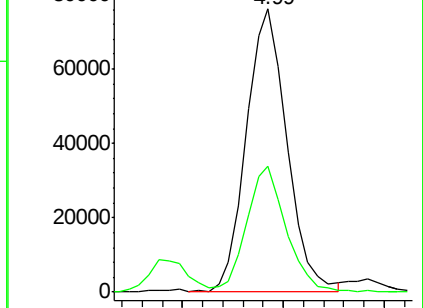
65 100

67 44.3 0.0 88.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 528

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

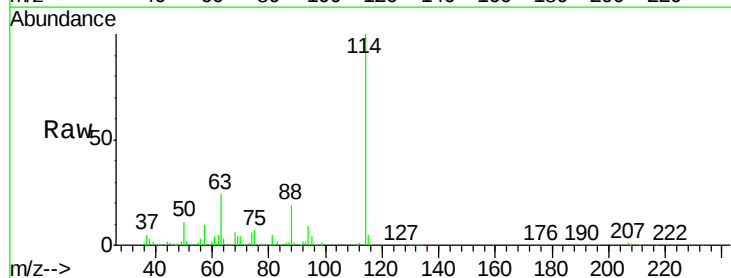
Tgt Ion: 114 Resp: 347923

Ion Ratio Lower Upper

114 100

63 23.6 0.0 47.2

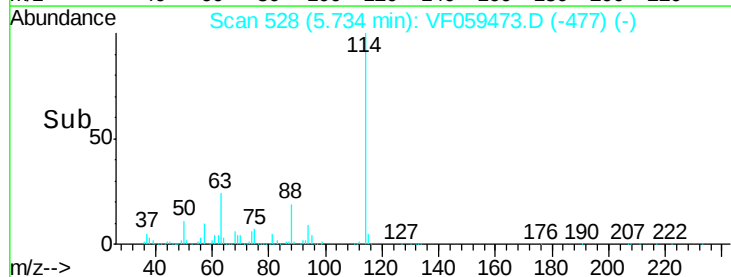
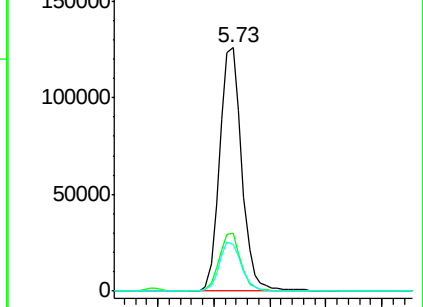
88 19.0 0.0 38.0

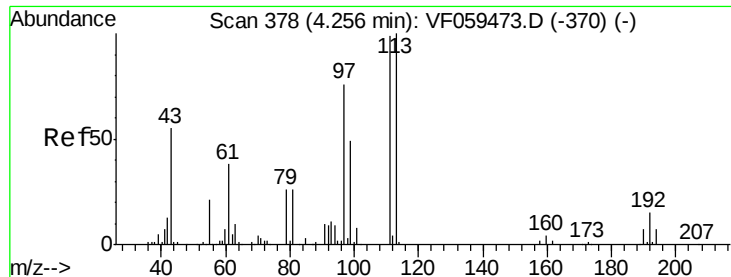


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

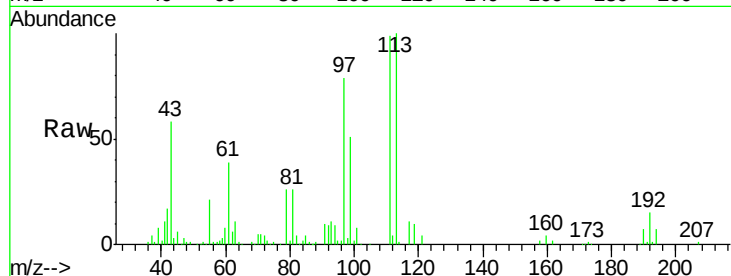




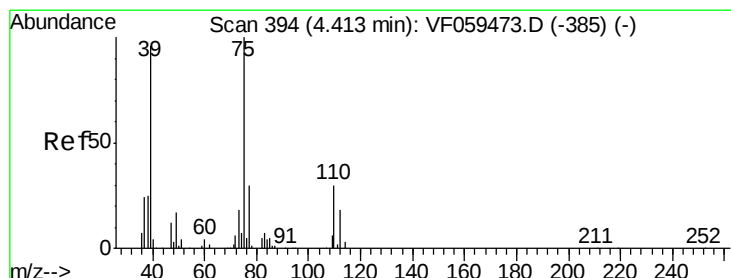
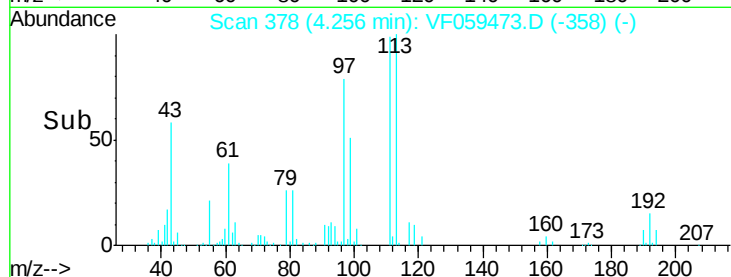
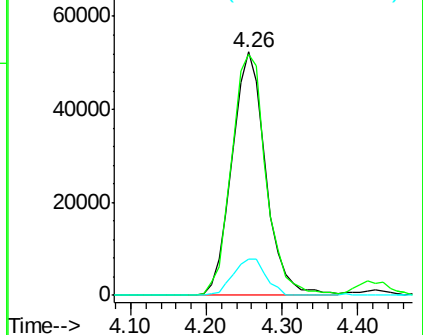
#35
 Dibromofluoromethane
 Concen: 60.164 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 161411
 Ion Ratio Lower Upper
 113 100
 111 99.1 79.3 118.9
 192 15.0 12.0 18.0

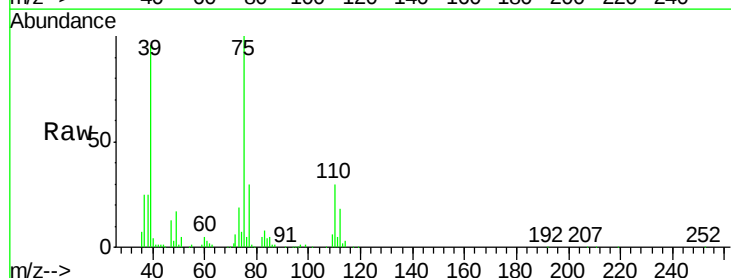


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

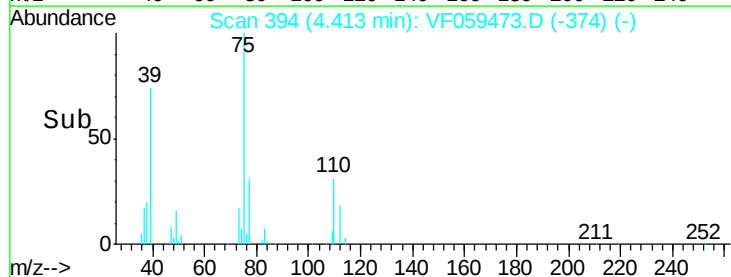
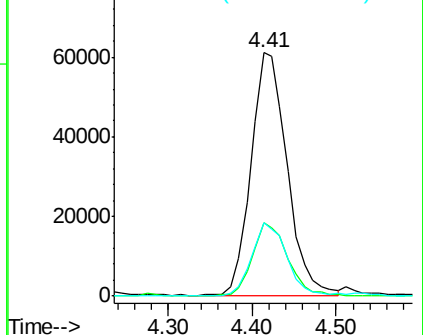


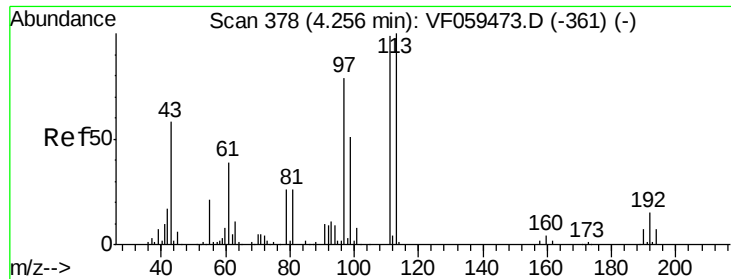
#36
 1,1-Dichloropropene
 Concen: 57.804 ug/l
 RT: 4.41 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion: 75 Resp: 183582
 Ion Ratio Lower Upper
 75 100
 110 30.3 15.2 45.5
 77 30.2 24.2 36.2



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

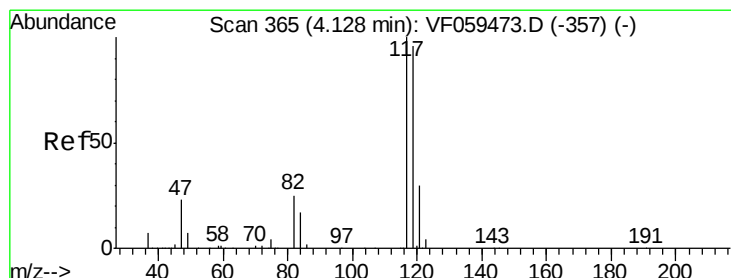
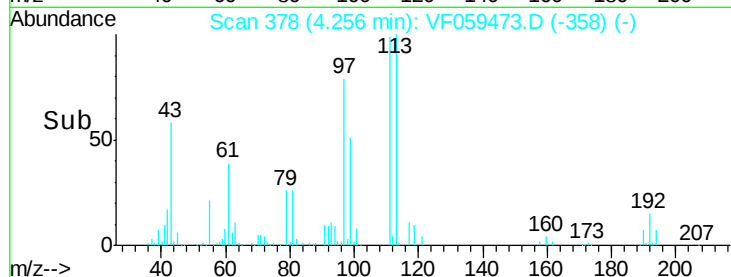
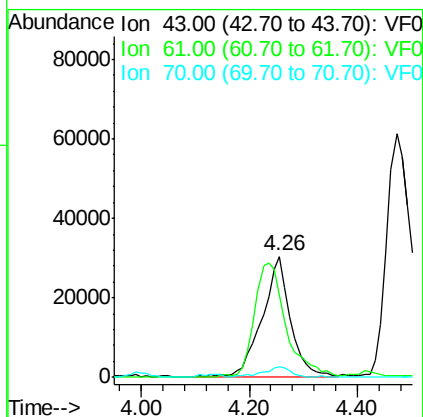
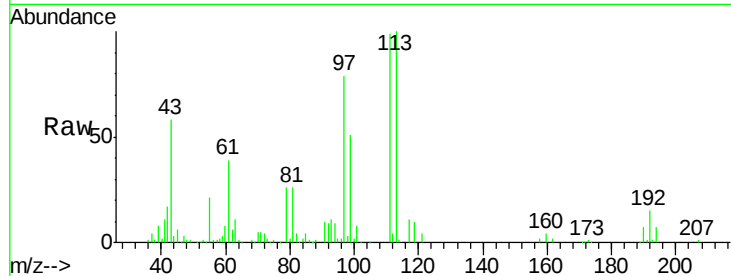




#37
 Ethyl Acetate
 Concen: 51.270 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

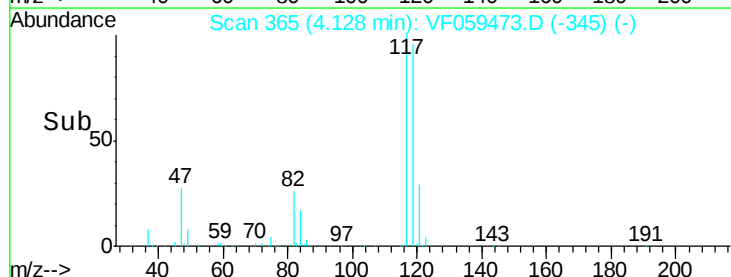
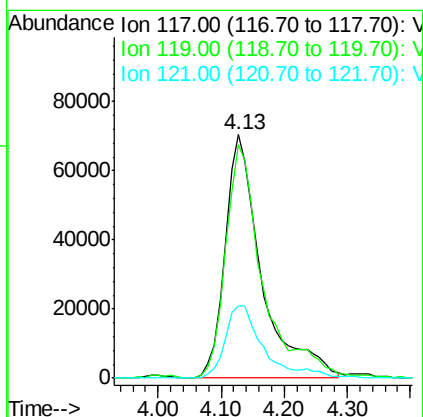
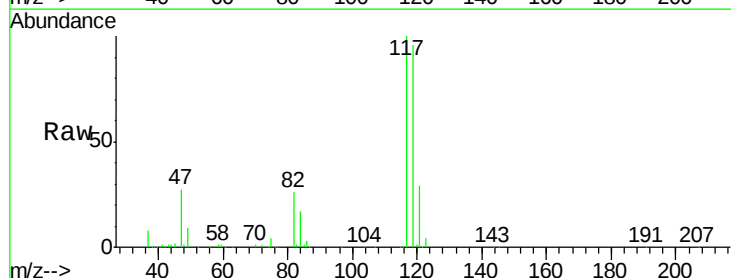
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

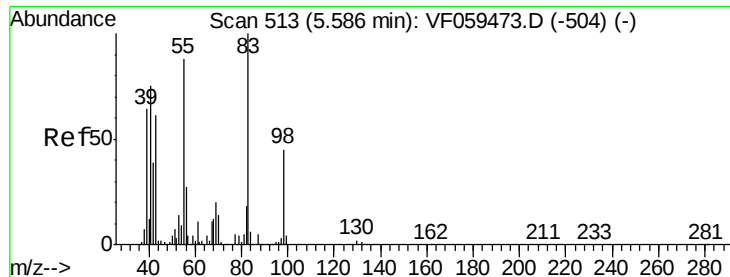
Tgt Ion: 43 Resp: 110209
 Ion Ratio Lower Upper
 43 100
 61 67.8 54.2 81.4
 70 8.8 7.0 10.6



#38
 Carbon Tetrachloride
 Concen: 68.789 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion: 117 Resp: 281179
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.5 114.7
 121 29.8 23.6 35.4

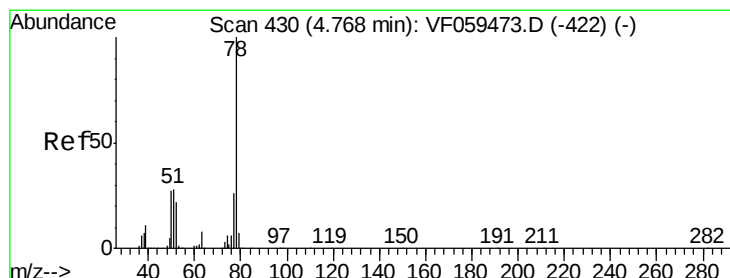
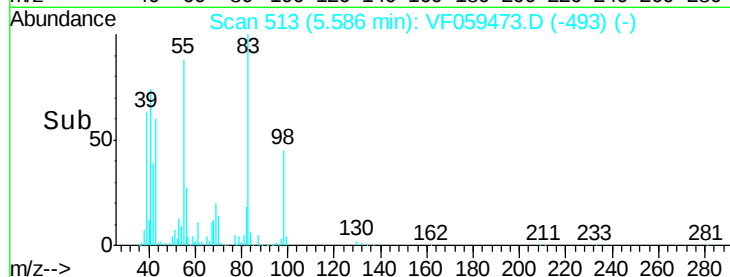
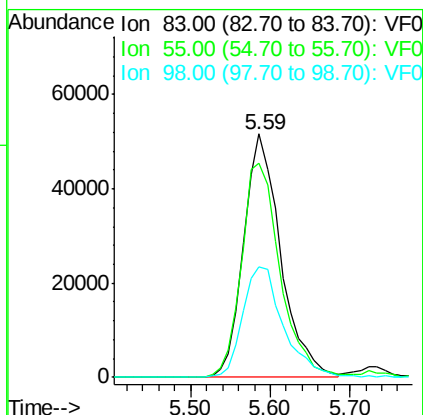
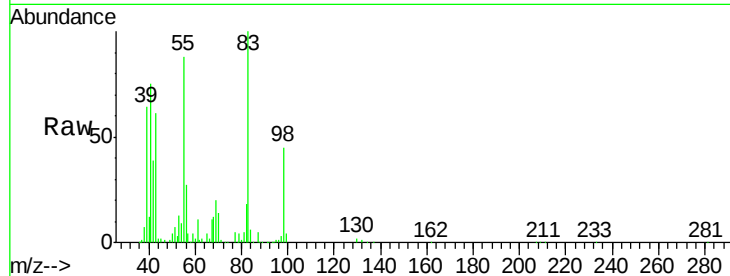




#39
Methylcyclohexane
Concen: 58.888 ug/l
RT: 5.59 min Scan# 513
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

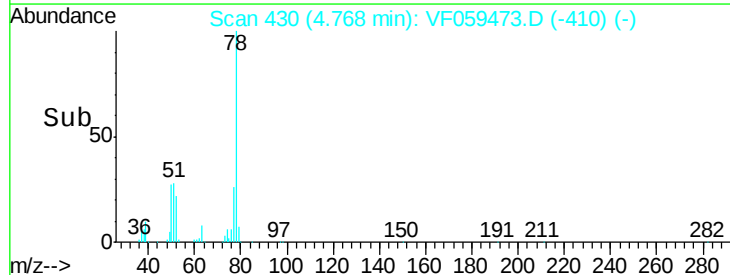
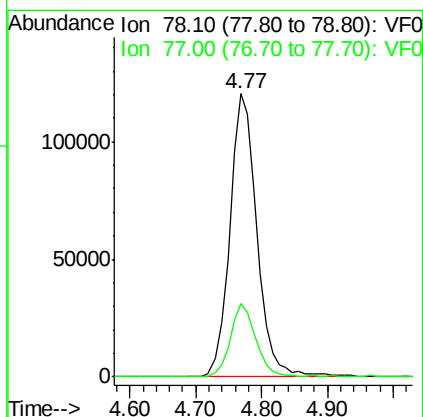
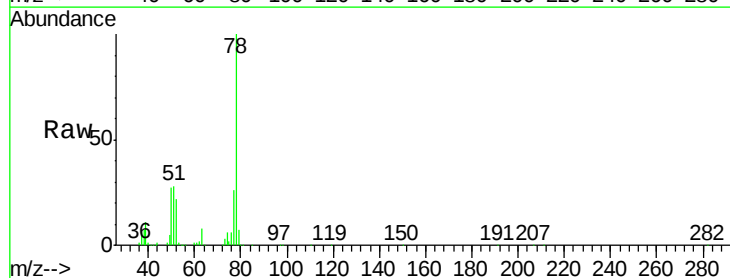
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

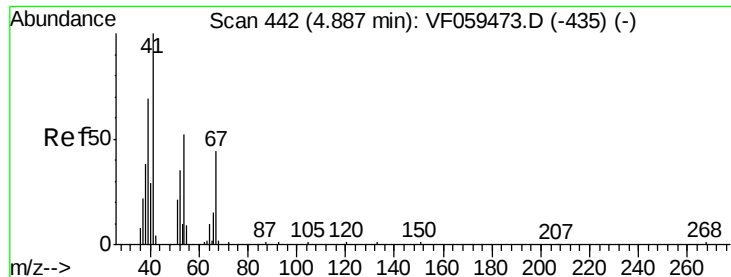
Tgt Ion: 83 Resp: 165908
Ion Ratio Lower Upper
83 100
55 88.2 70.6 105.8
98 45.4 36.3 54.5



#40
Benzene
Concen: 50.755 ug/l
RT: 4.77 min Scan# 430
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 78 Resp: 346825
Ion Ratio Lower Upper
78 100
77 26.0 20.8 31.2





#41

Methacrylonitrile

Concen: 50.250 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 52184

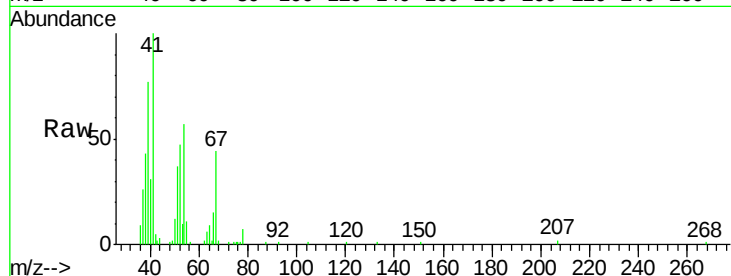
Ion Ratio Lower Upper

41 100

39 77.1 61.7 92.5

67 44.3 35.4 53.2

52 46.8 37.4 56.2

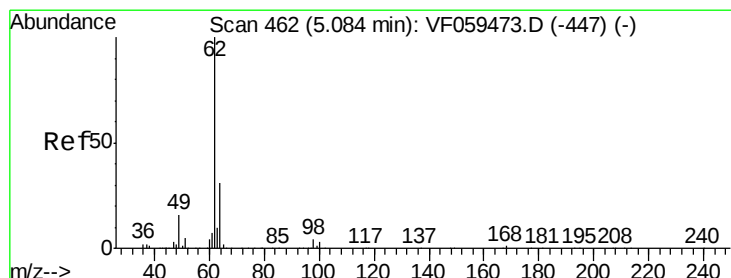
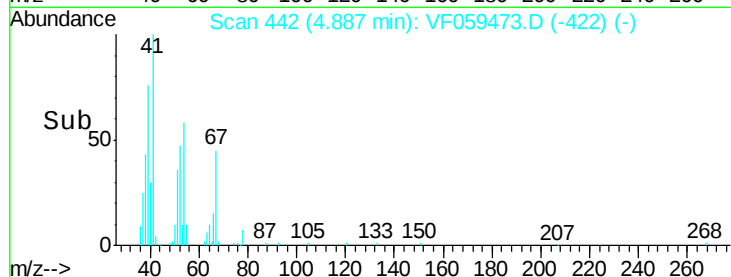
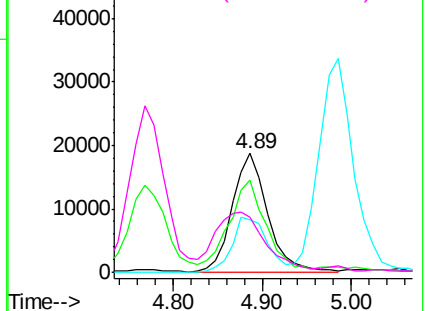


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 62.545 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.00 min

Lab File: VF059473.D

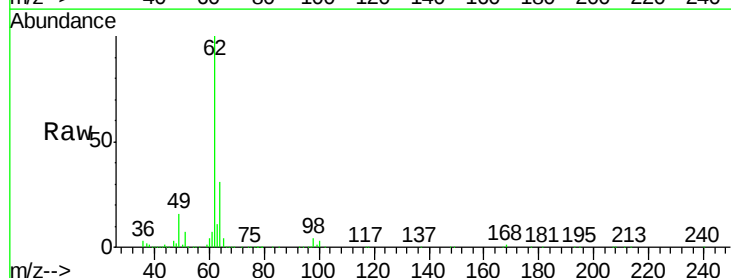
Acq: 7 Jul 2018 3:27

Tgt Ion: 62 Resp: 260198

Ion Ratio Lower Upper

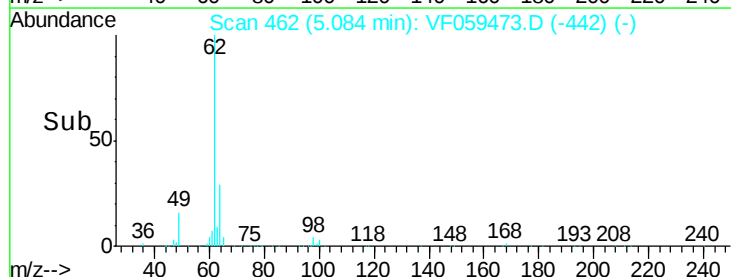
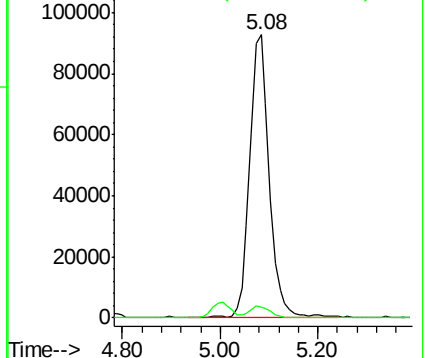
62 100

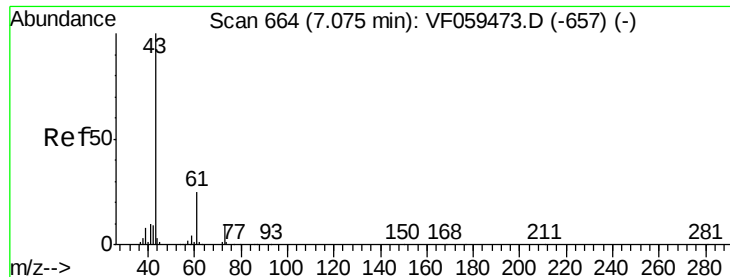
98 3.8 0.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

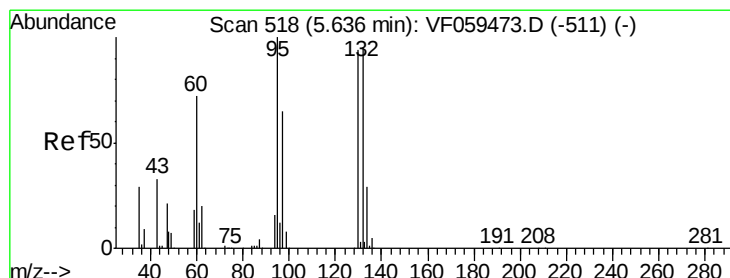
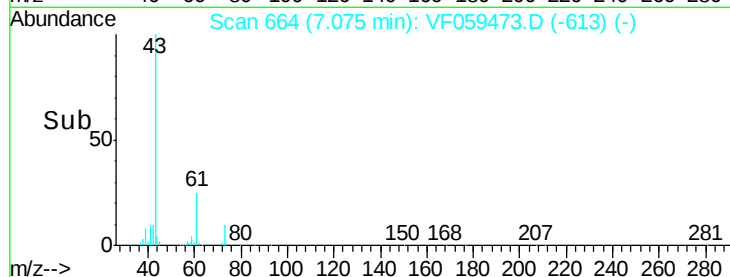
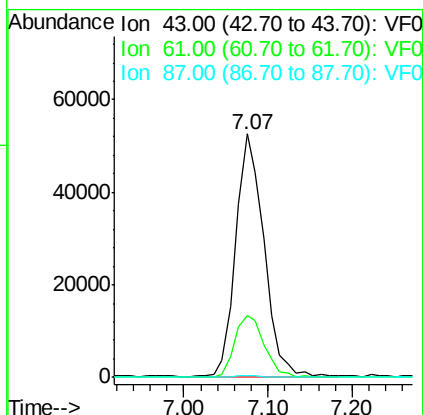
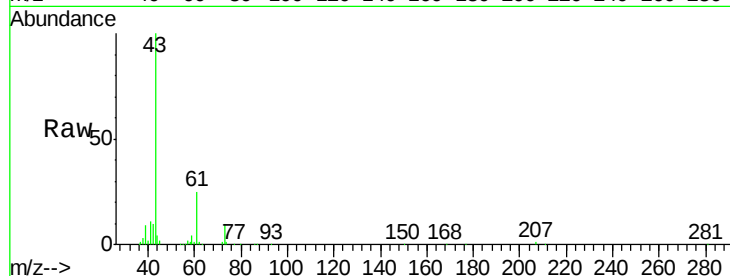




#43
Isopropyl Acetate
Concen: 48.734 ug/l
RT: 7.07 min Scan# 664
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

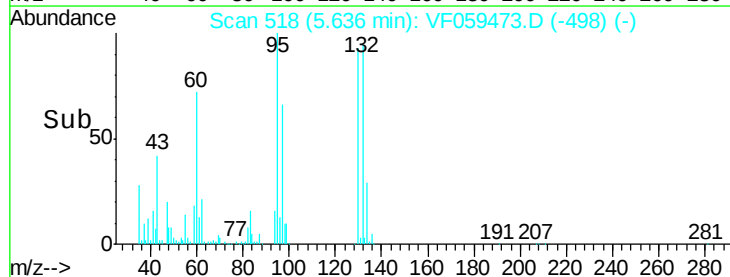
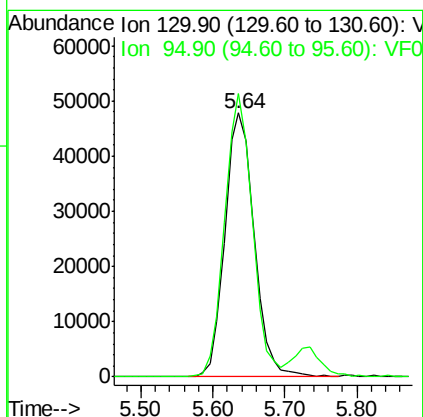
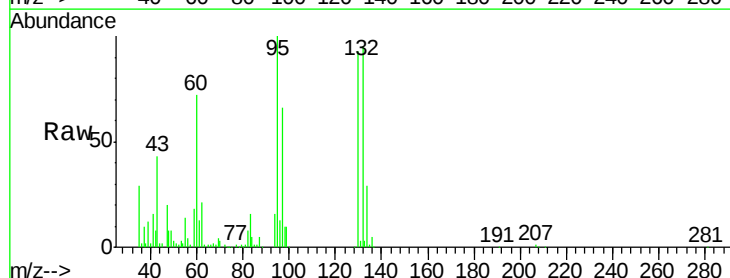
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

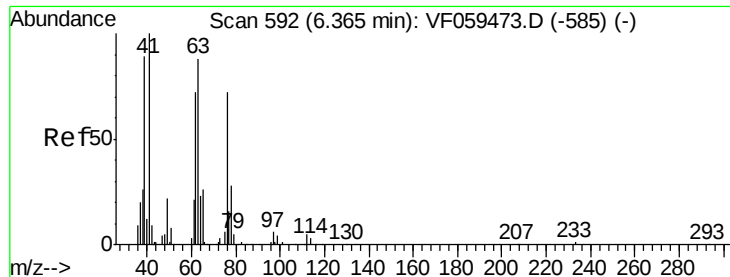
Tgt Ion: 43 Resp: 122891
Ion Ratio Lower Upper
43 100
61 25.4 20.3 30.5
87 0.4 0.3 0.5



#44
Trichloroethene
Concen: 56.368 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 130 Resp: 135047
Ion Ratio Lower Upper
130 100
95 107.3 0.0 214.6





#45

1,2-Dichloropropane

Concen: 49.944 ug/l

RT: 6.37 min Scan# 592

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

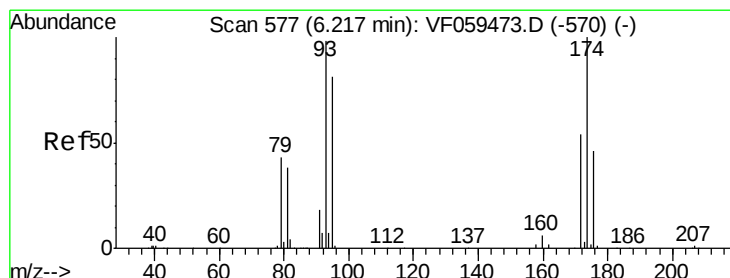
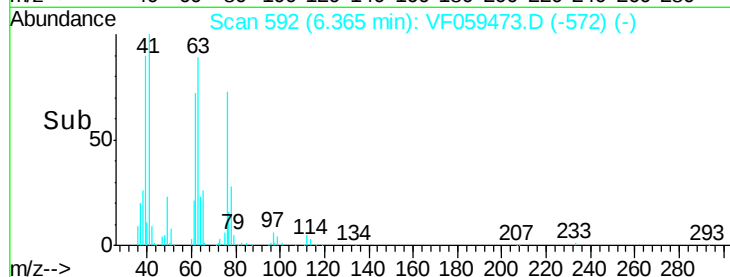
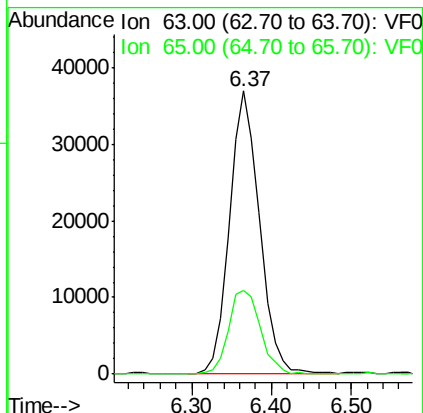
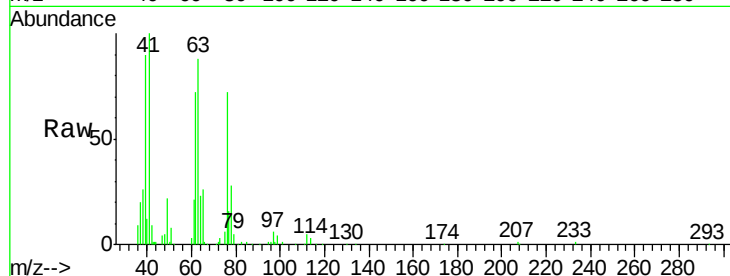
VSTDICCC050

Tgt Ion: 63 Resp: 97177

Ion Ratio Lower Upper

63 100

65 29.4 23.5 35.3



#46

Dibromomethane

Concen: 57.608 ug/l

RT: 6.22 min Scan# 577

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

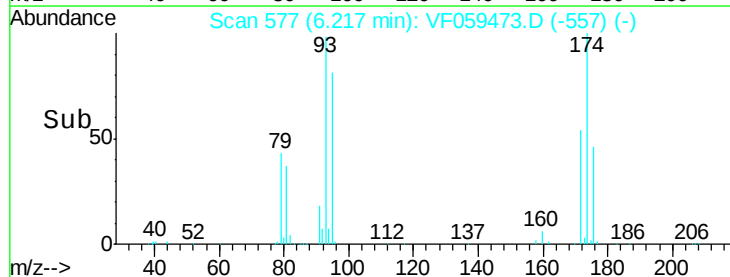
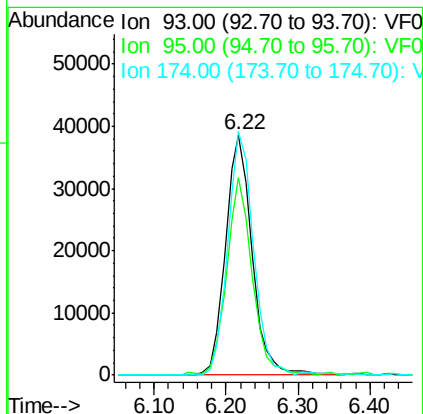
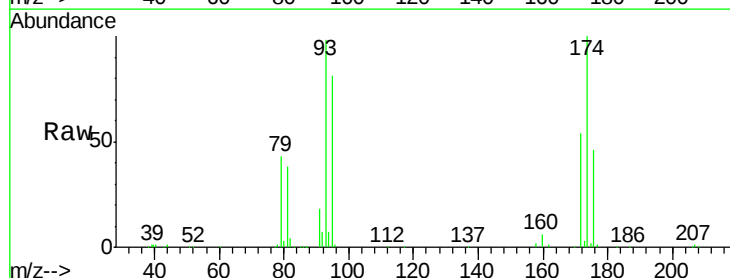
Tgt Ion: 93 Resp: 98755

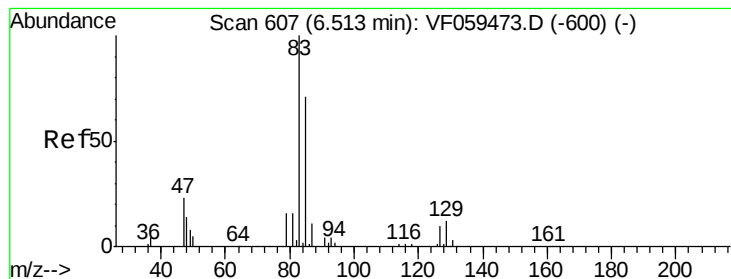
Ion Ratio Lower Upper

93 100

95 82.4 65.9 98.9

174 104.0 83.2 124.8





#47

Bromodichloromethane

Concen: 58.135 ug/l

RT: 6.51 min Scan# 607

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

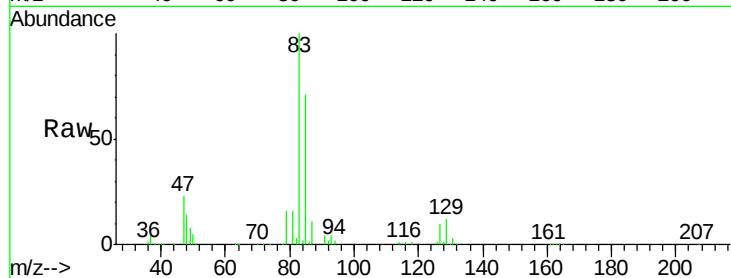
Tgt Ion: 83 Resp: 242654

Ion Ratio Lower Upper

83 100

85 70.7 56.6 84.8

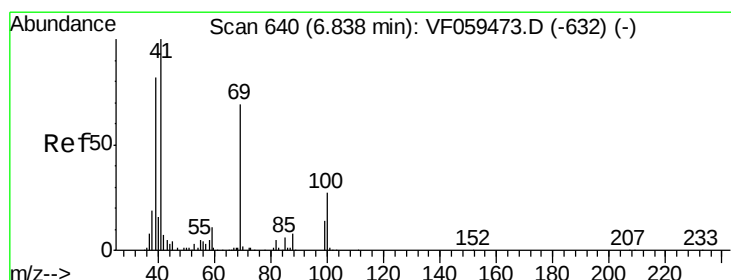
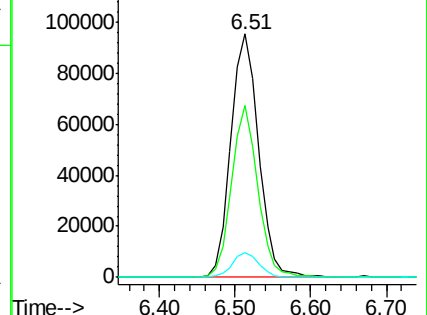
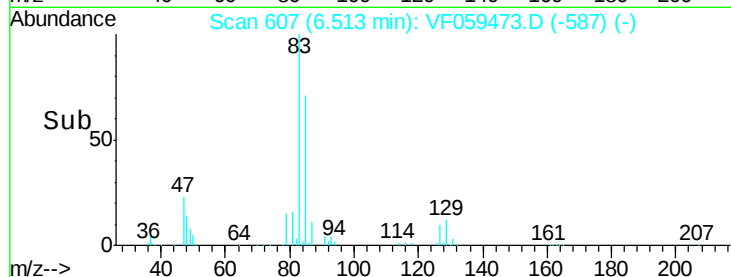
127 10.1 8.1 12.1



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: 53.947 ug/l

RT: 6.84 min Scan# 640

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

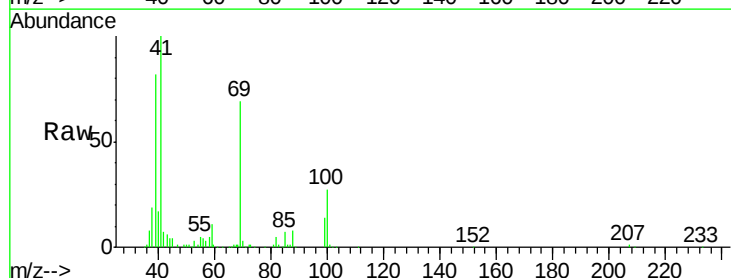
Tgt Ion: 41 Resp: 92640

Ion Ratio Lower Upper

41 100

69 69.5 55.6 83.4

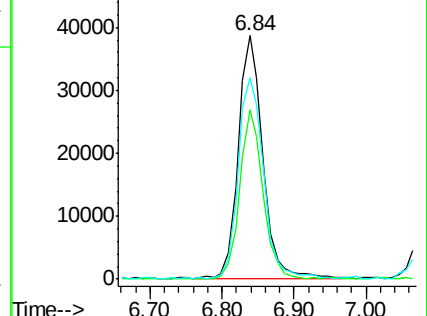
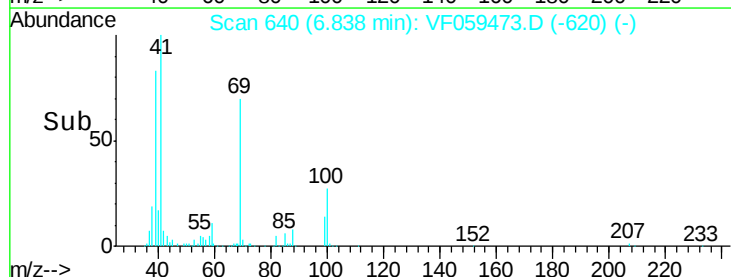
39 82.5 66.0 99.0

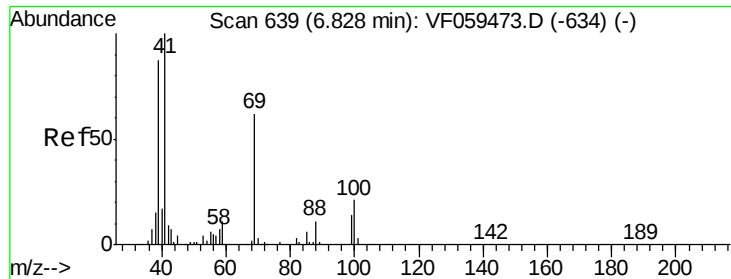


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

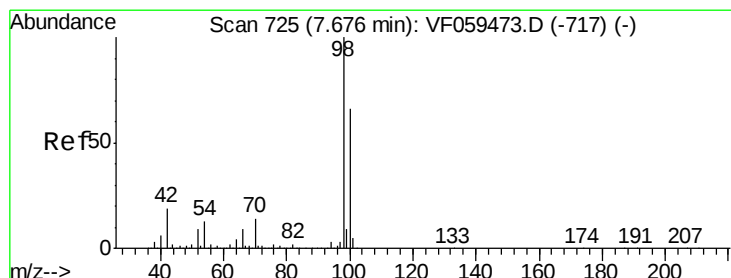
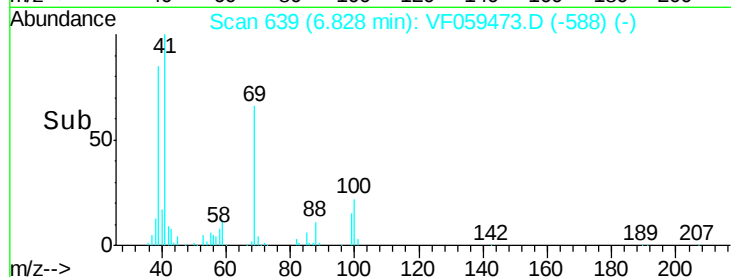
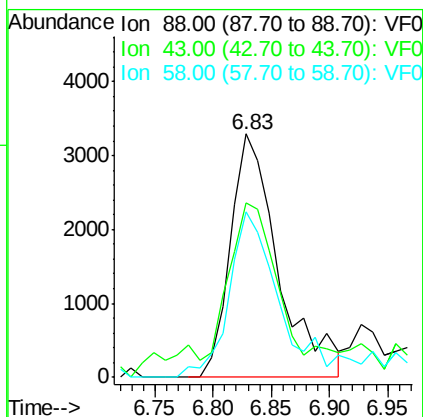
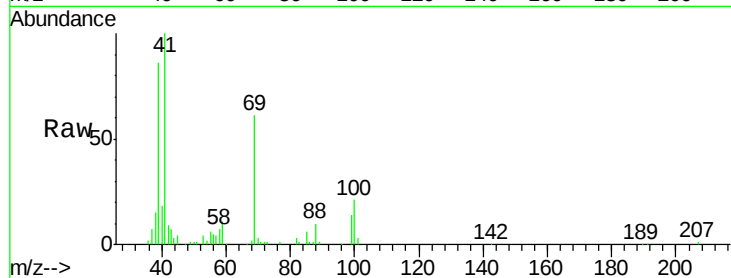




#49
1,4-Dioxane
Concen: 911.586 ug/l
RT: 6.83 min Scan# 639
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

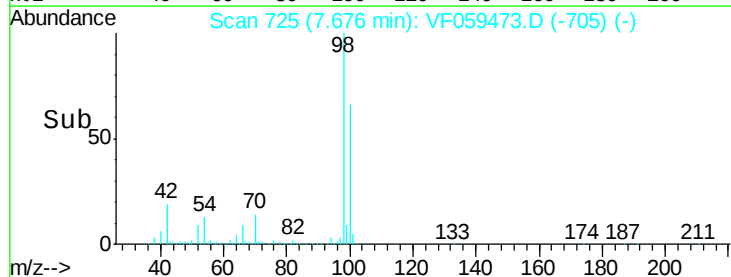
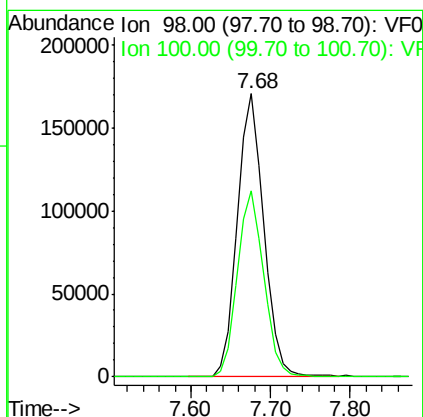
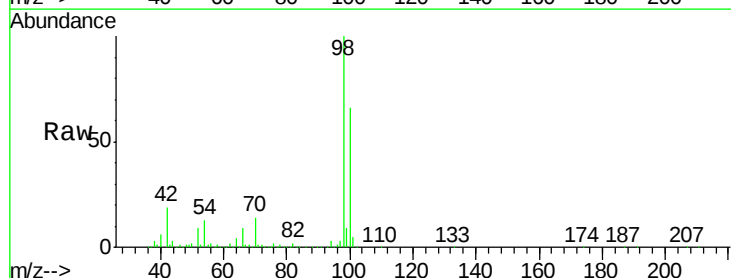
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

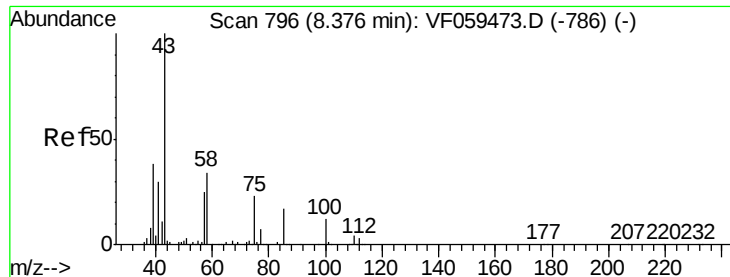
Tgt Ion: 88 Resp: 9434
Ion Ratio Lower Upper
88 100
43 71.6 57.3 85.9
58 68.2 54.6 81.8



#50
Toluene-d8
Concen: 59.723 ug/l
RT: 7.68 min Scan# 725
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 98 Resp: 393904
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 255.799 ug/l

RT: 8.38 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

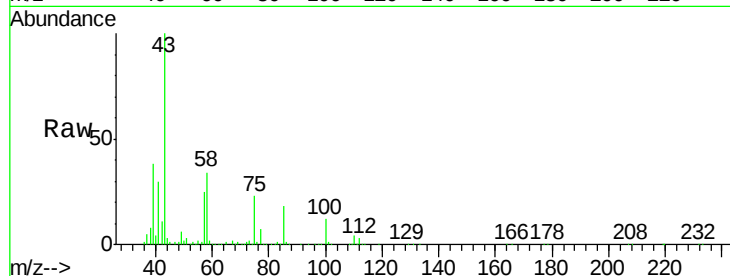
VSTDICCC050

Tgt Ion: 43 Resp: 480928

Ion Ratio Lower Upper

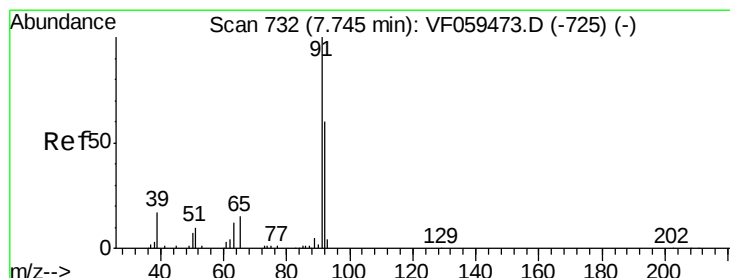
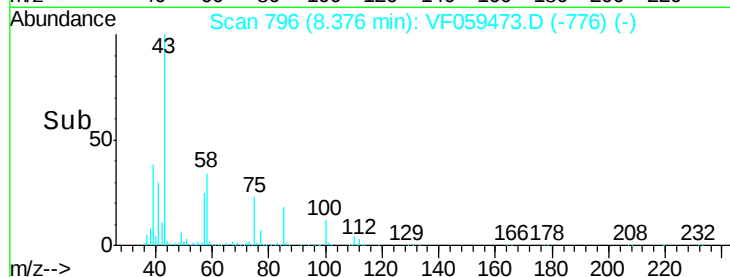
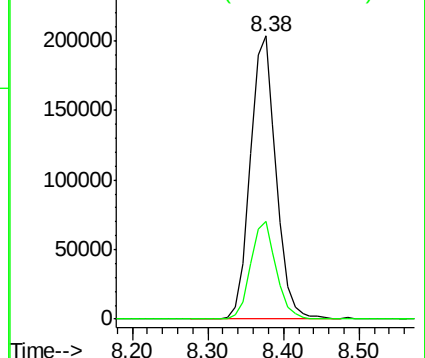
43 100

58 34.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.730 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.00 min

Lab File: VF059473.D

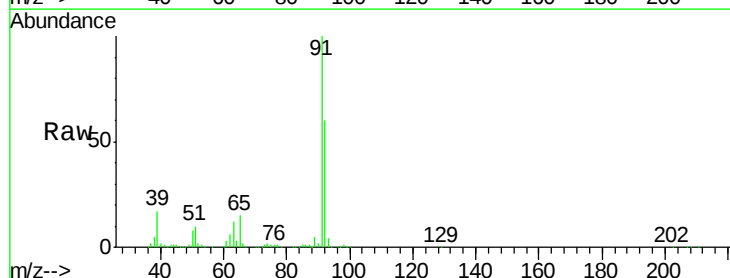
Acq: 7 Jul 2018 3:27

Tgt Ion: 92 Resp: 276604

Ion Ratio Lower Upper

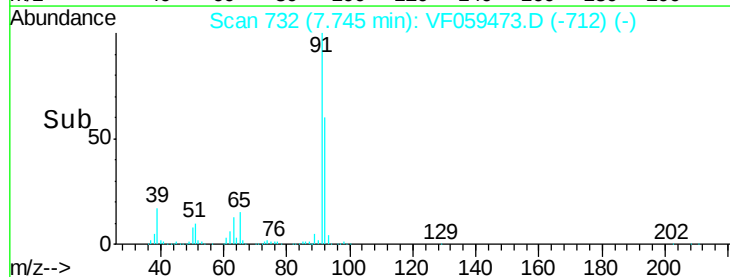
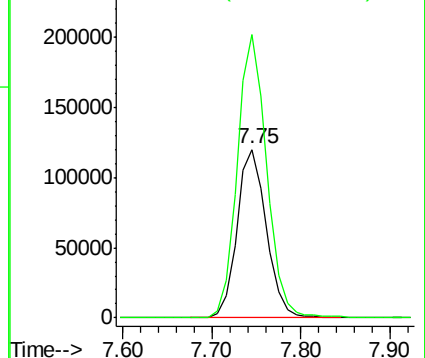
92 100

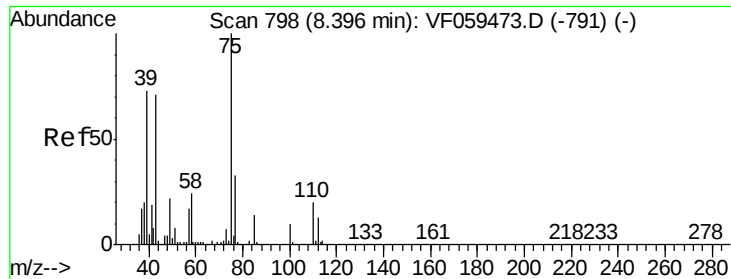
91 167.9 134.3 201.5



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: 55.752 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

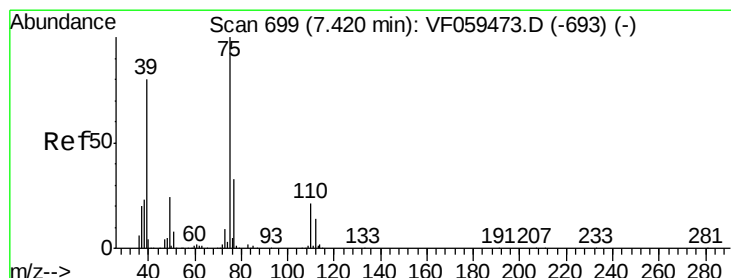
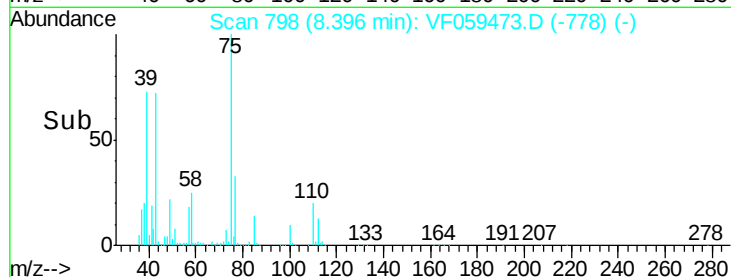
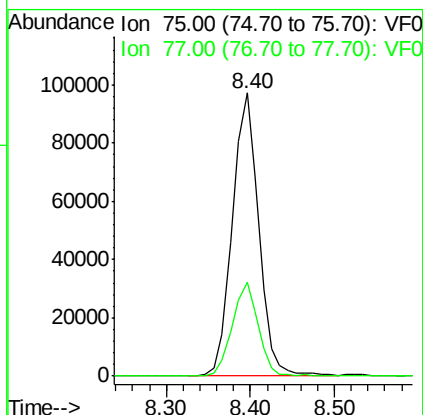
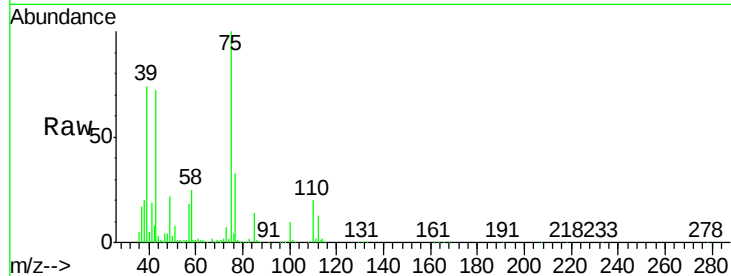
VSTDICCC050

Tgt Ion: 75 Resp: 210673

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 54.170 ug/l

RT: 7.42 min Scan# 699

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

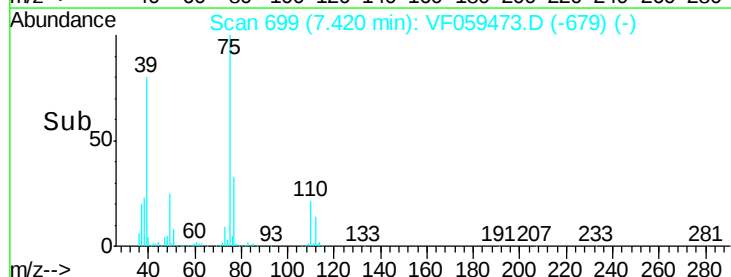
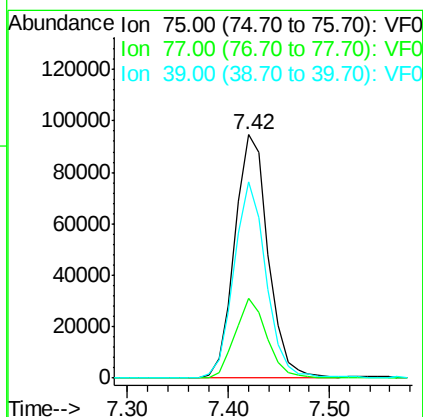
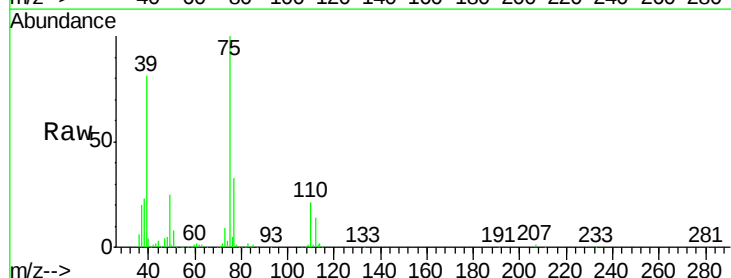
Tgt Ion: 75 Resp: 219200

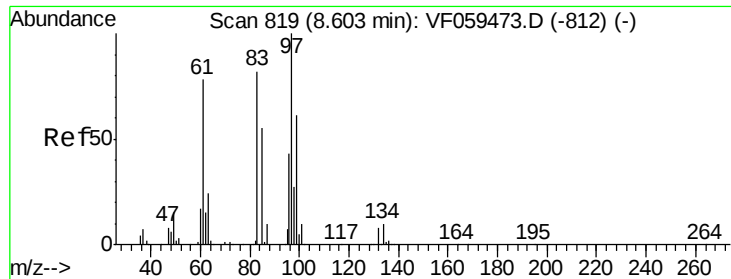
Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.4

39 80.6 64.5 96.7





#55

1,1,2-Trichloroethane

Concen: 55.269 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 109805

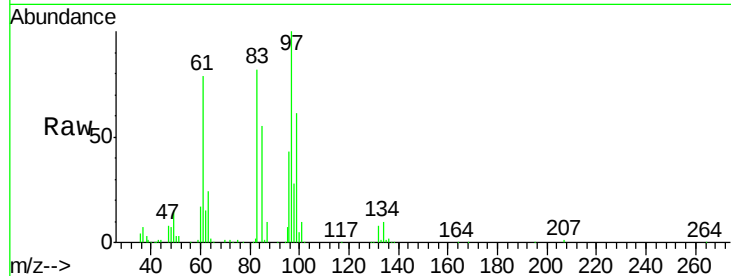
Ion Ratio Lower Upper

97 100

83 82.1 65.7 98.5

85 54.7 43.8 65.6

99 60.6 48.5 72.7

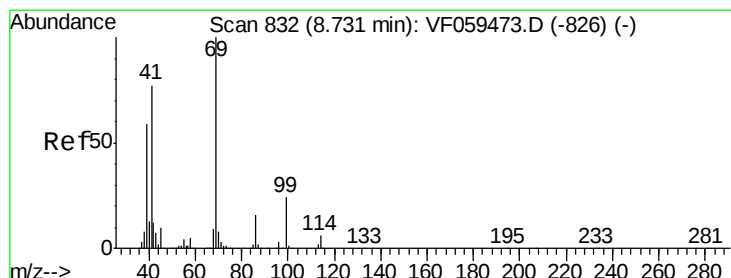
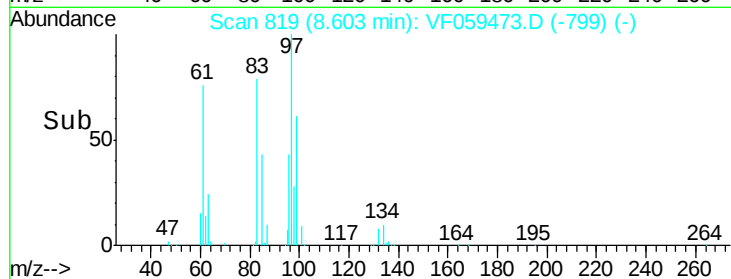
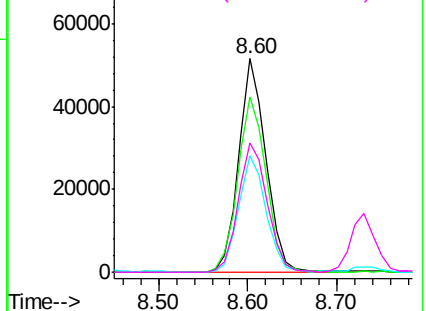


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.542 ug/l

RT: 8.73 min Scan# 832

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

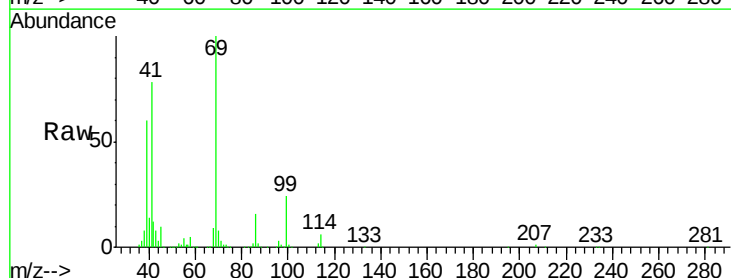
Tgt Ion: 69 Resp: 124647

Ion Ratio Lower Upper

69 100

41 77.8 62.2 93.4

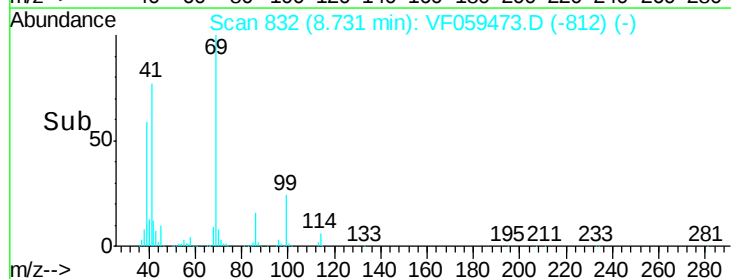
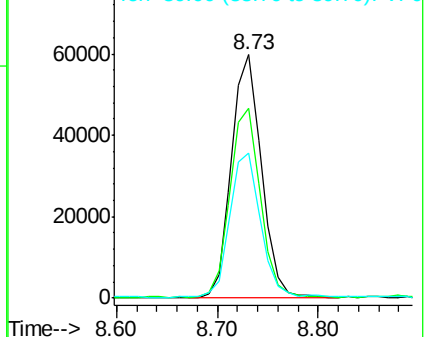
39 59.6 47.7 71.5

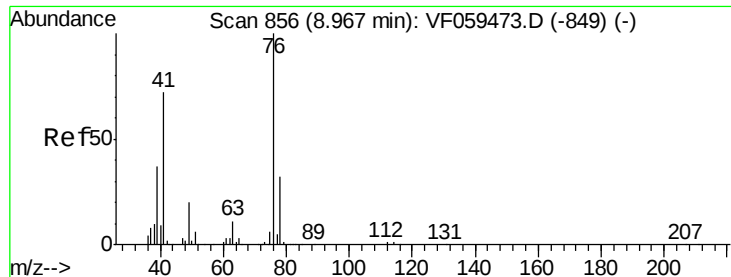


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.178 ug/l

RT: 8.97 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

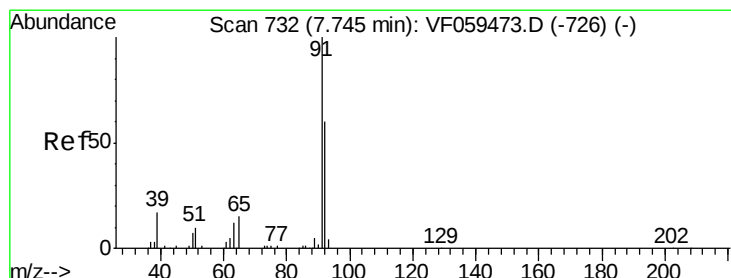
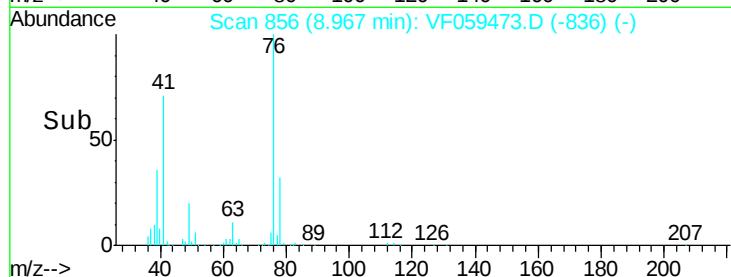
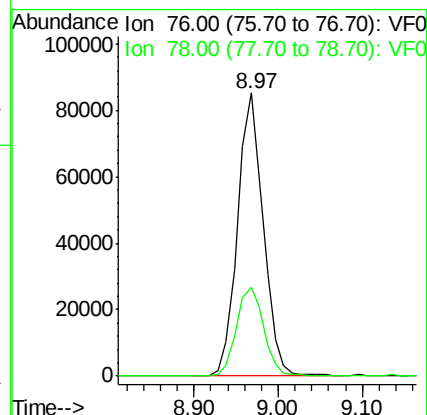
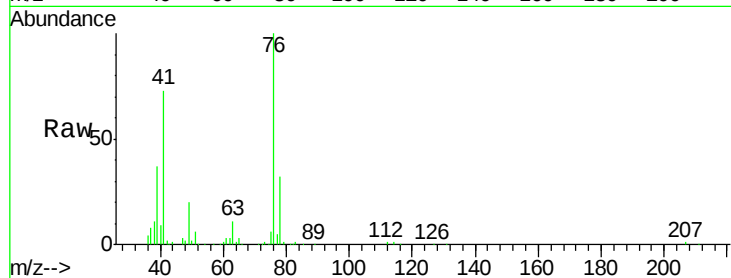
VSTDICCC050

Tgt Ion: 76 Resp: 181305

Ion Ratio Lower Upper

76 100

78 31.5 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 304.121 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.00 min

Lab File: VF059473.D

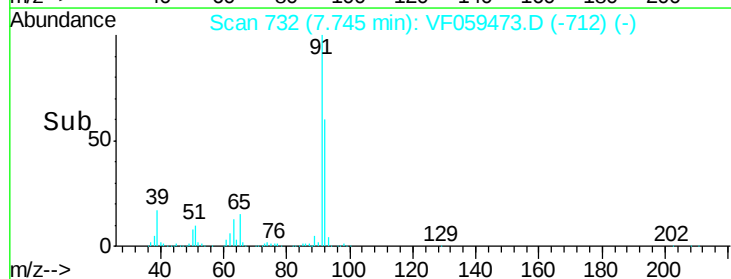
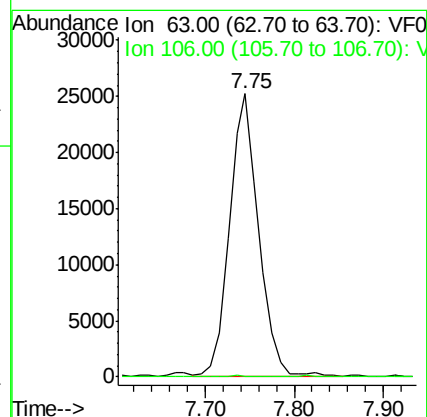
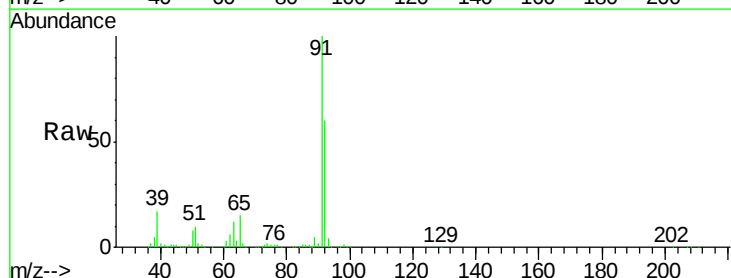
Acq: 7 Jul 2018 3:27

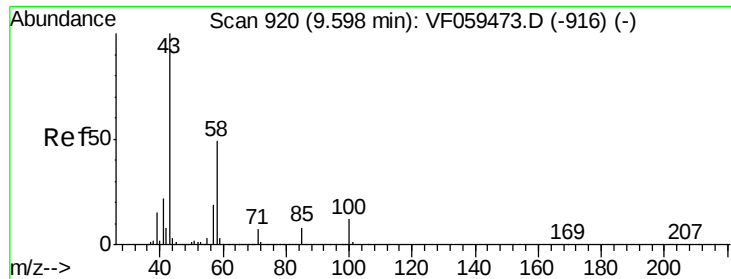
Tgt Ion: 63 Resp: 58023

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

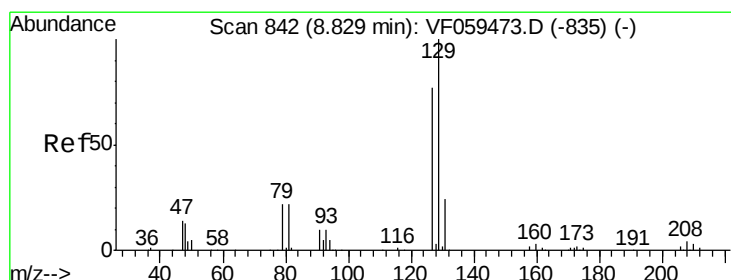
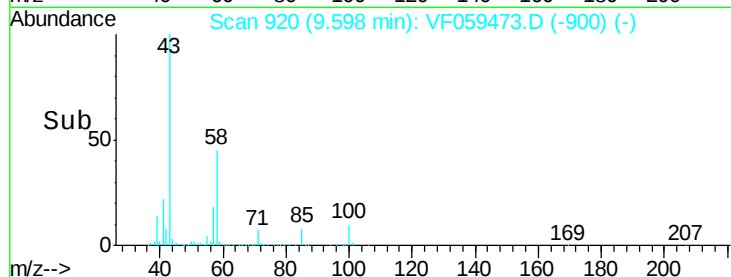
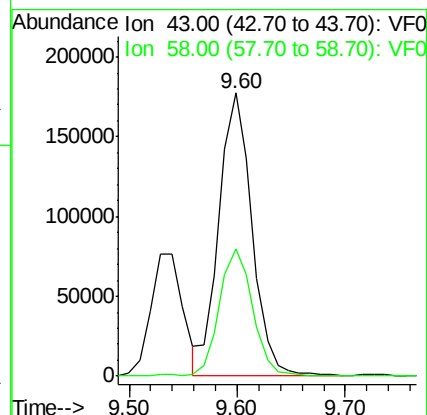
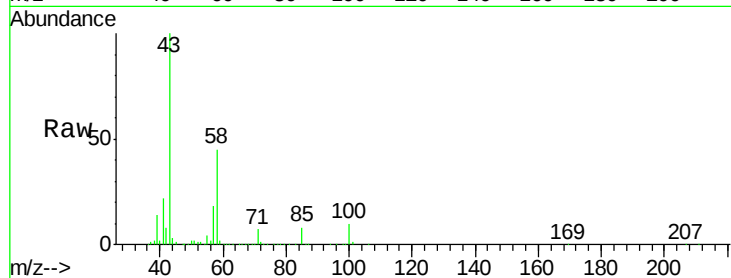




#59
2-Hexanone
Concen: 242.128 ug/l
RT: 9.60 min Scan# 920
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

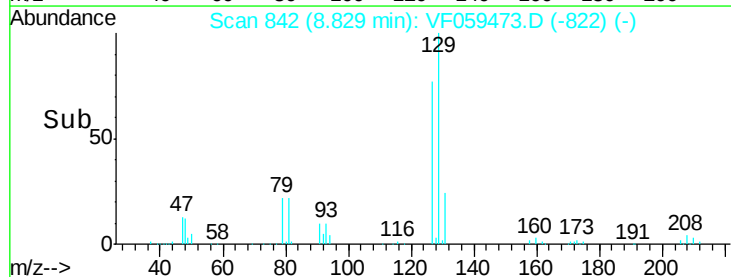
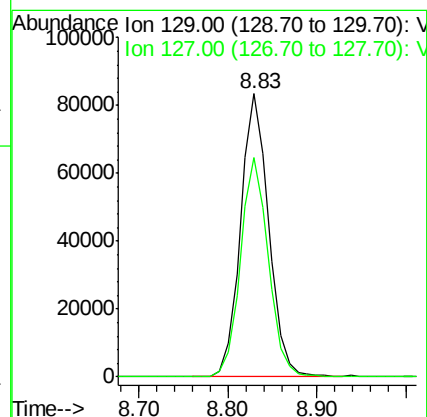
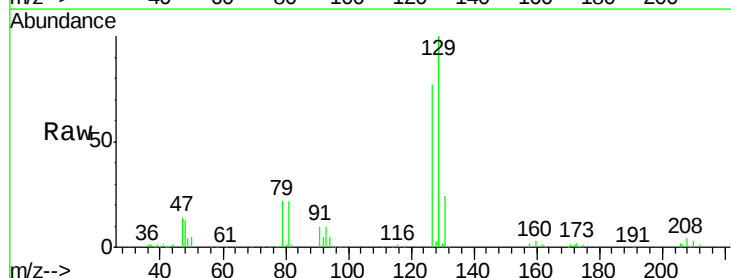
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

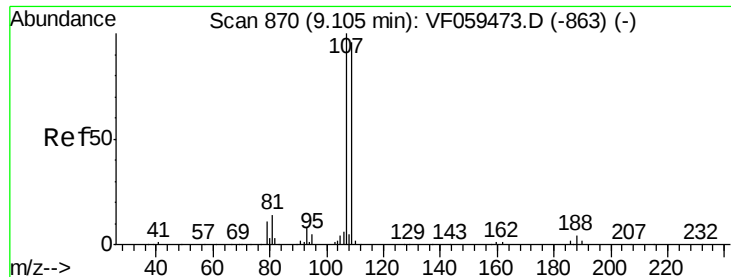
Tgt Ion: 43 Resp: 375401
Ion Ratio Lower Upper
43 100
58 44.8 22.4 67.2



#60
Dibromochloromethane
Concen: 59.262 ug/l
RT: 8.83 min Scan# 842
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 129 Resp: 183587
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 56.145 ug/l

RT: 9.11 min Scan# 870

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

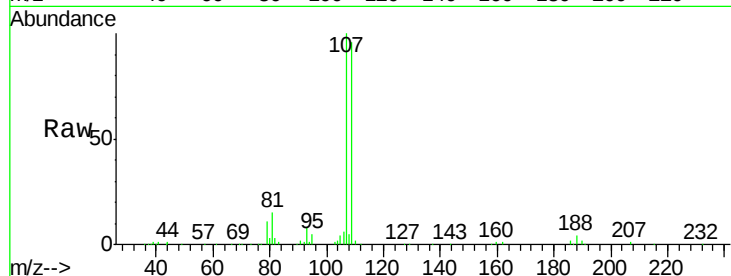
VSTDICCC050

Tgt Ion: 107 Resp: 135681

Ion Ratio Lower Upper

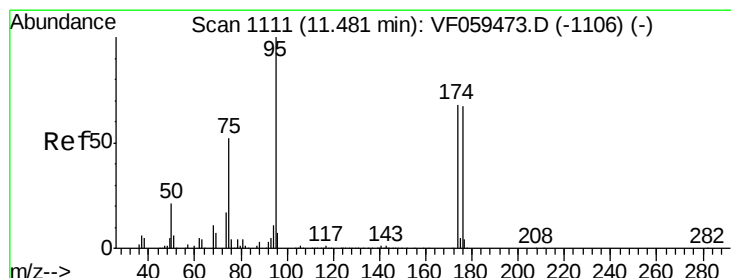
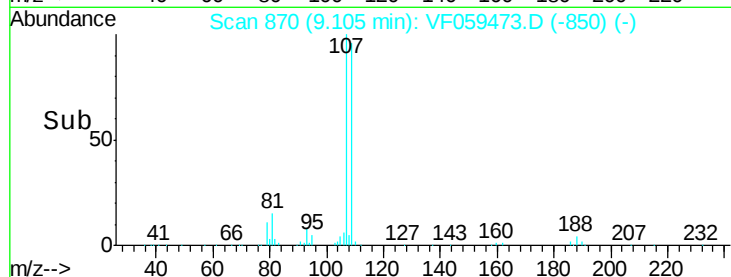
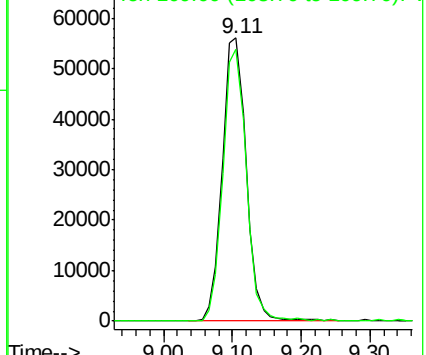
107 100

109 95.9 76.7 115.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 59.278 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

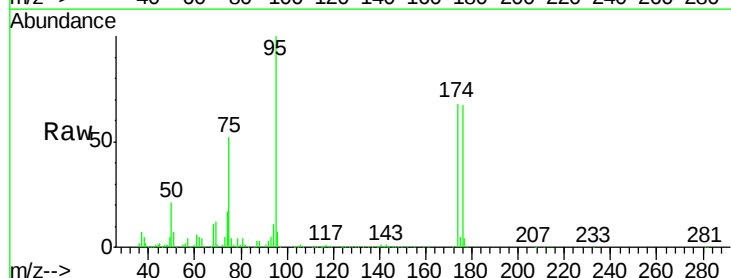
Tgt Ion: 95 Resp: 220987

Ion Ratio Lower Upper

95 100

174 68.5 0.0 137.0

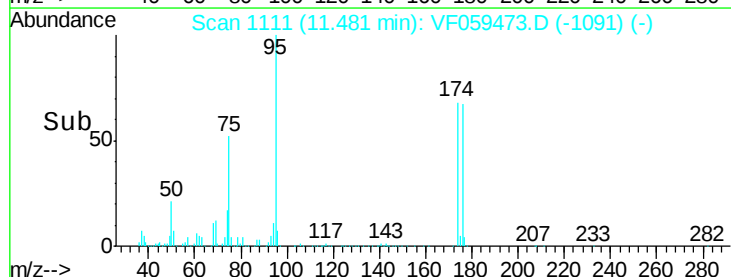
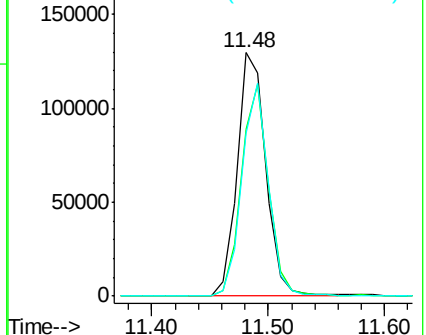
176 66.9 0.0 133.8

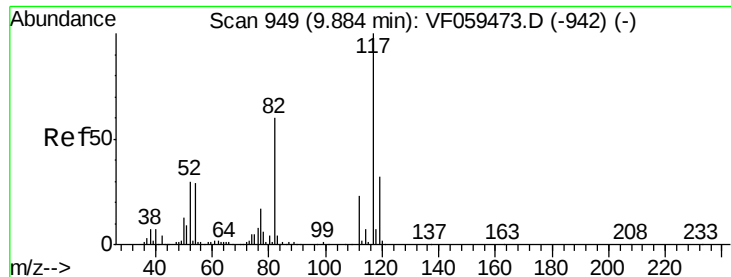


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

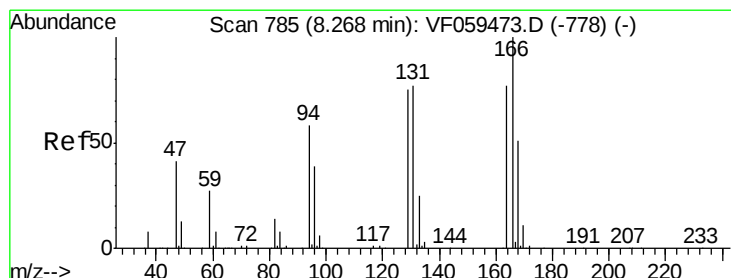
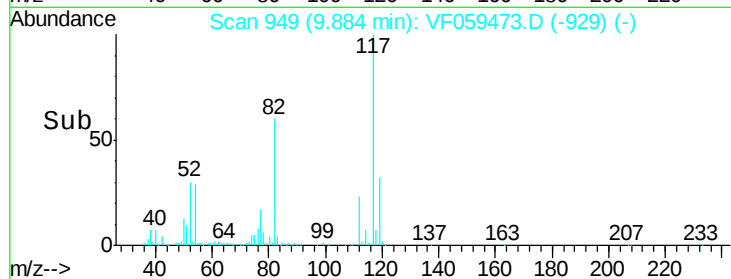
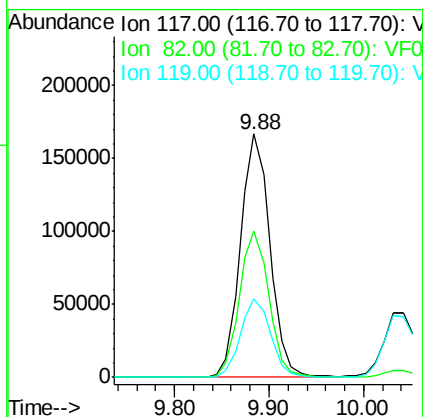
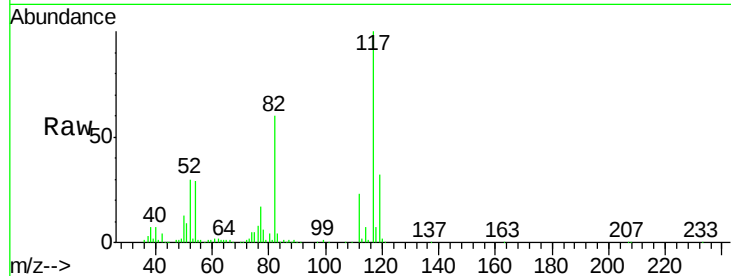




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

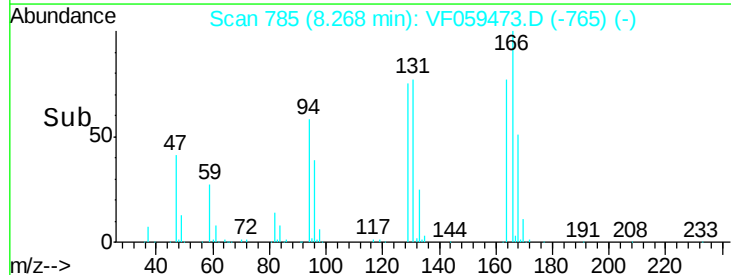
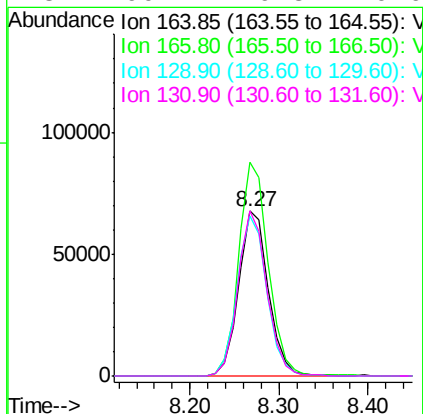
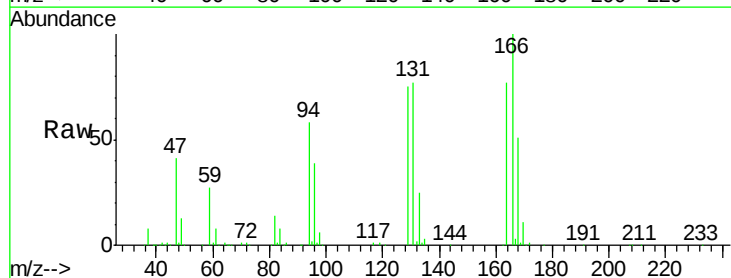
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

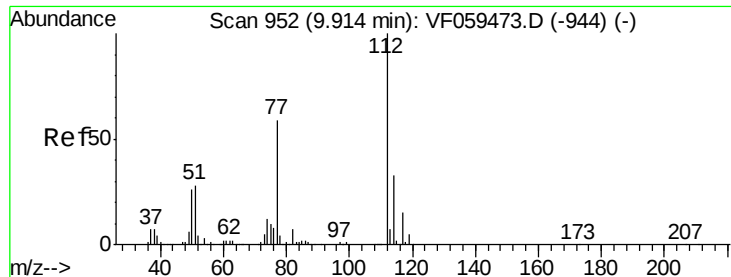
Tgt Ion:117 Resp: 360405
Ion Ratio Lower Upper
117 100
82 60.3 48.2 72.4
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 63.235 ug/l
RT: 8.27 min Scan# 785
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion:164 Resp: 156374
Ion Ratio Lower Upper
164 100
166 129.4 103.5 155.3
129 97.0 77.6 116.4
131 99.7 79.8 119.6

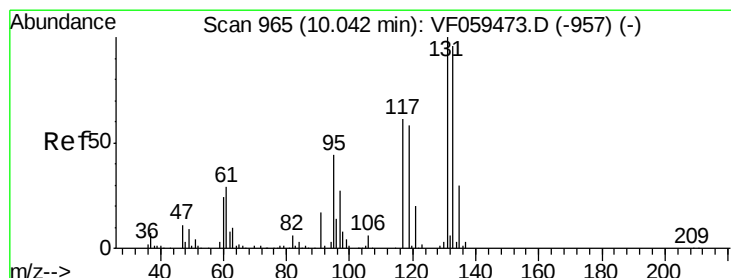
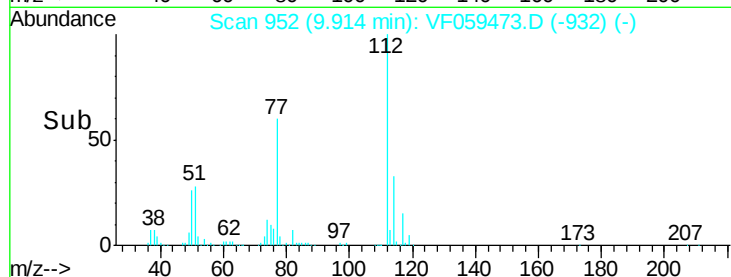
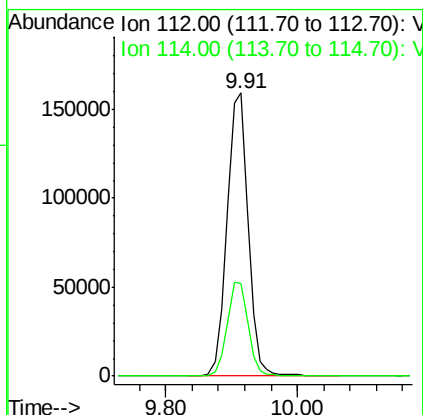
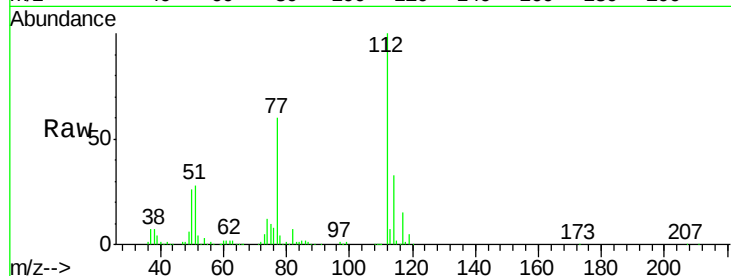




#65
Chlorobenzene
Concen: 52.734 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

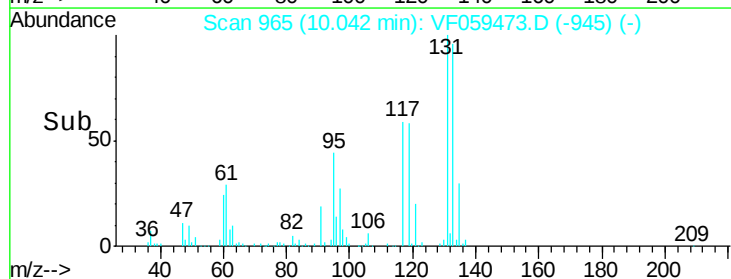
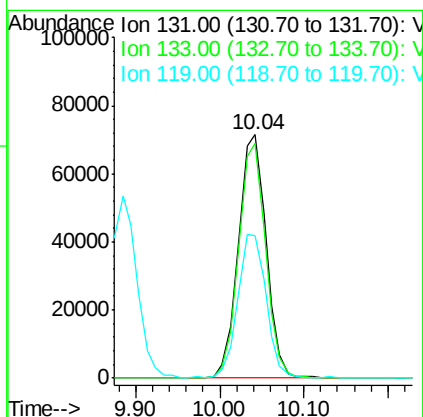
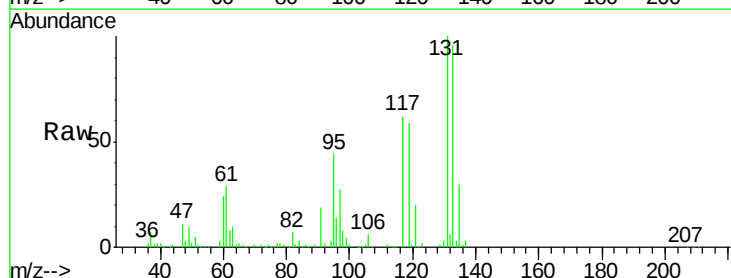
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

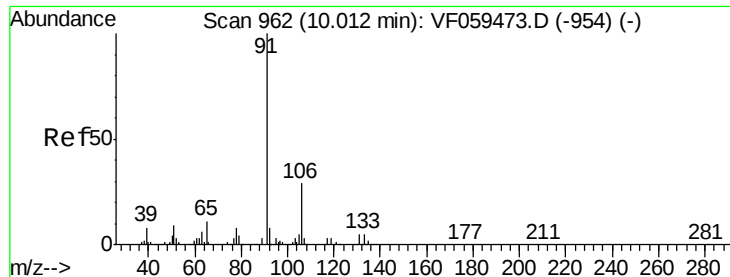
Tgt Ion:112 Resp: 359926
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.300 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion:131 Resp: 164451
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.3
119 58.5 29.3 87.8

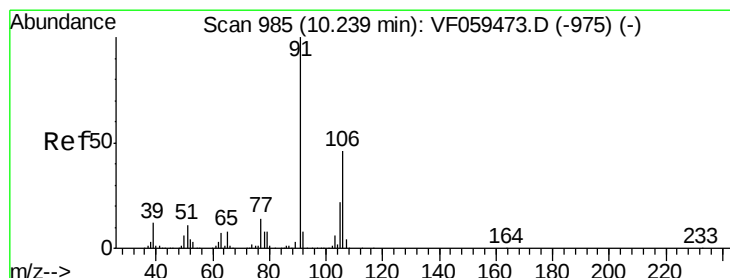
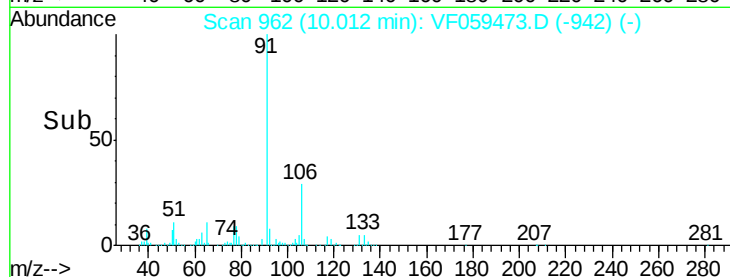
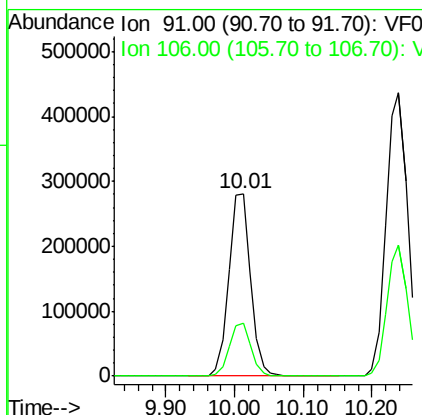
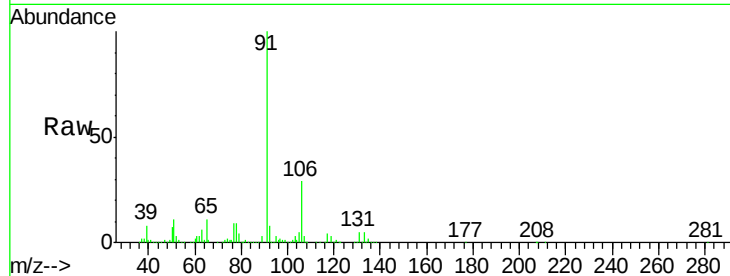




#67
Ethyl Benzene
Concen: 53.024 ug/l
RT: 10.01 min Scan# 962
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

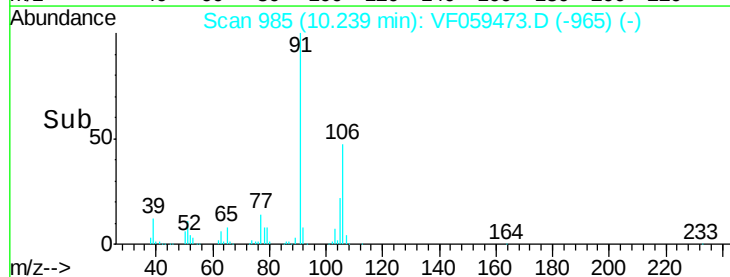
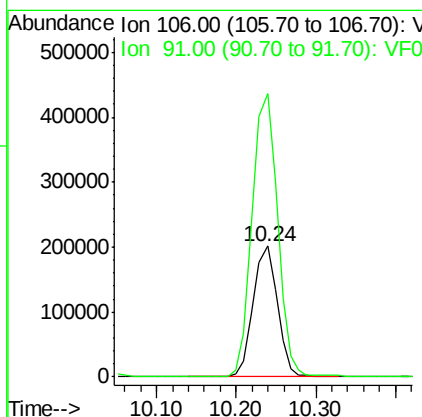
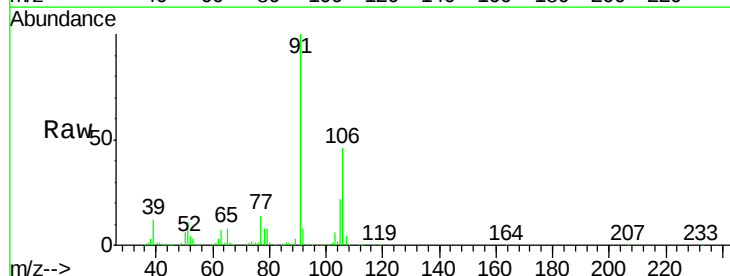
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

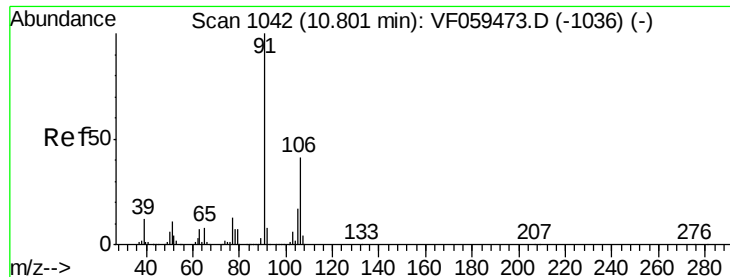
Tgt Ion: 91 Resp: 616506
Ion Ratio Lower Upper
91 100
106 28.8 23.0 34.6



#68
m/p-Xylenes
Concen: 103.031 ug/l
RT: 10.24 min Scan# 985
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 106 Resp: 423200
Ion Ratio Lower Upper
106 100
91 216.9 173.5 260.3

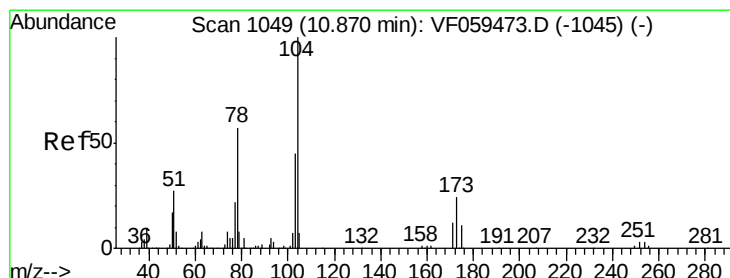
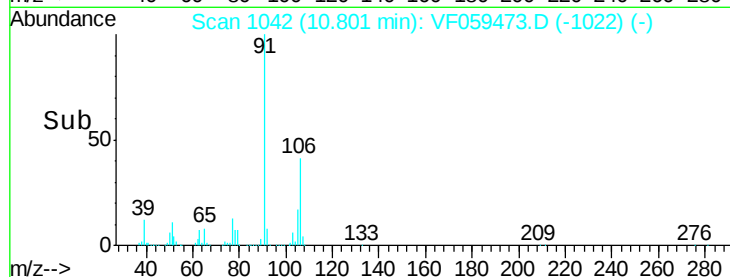
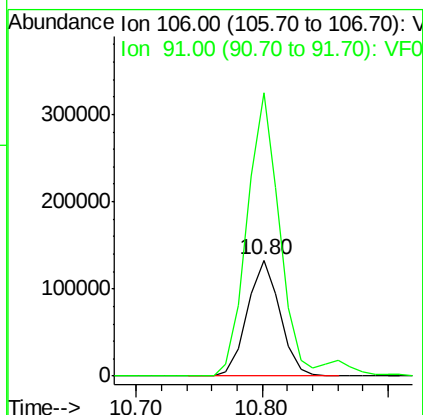
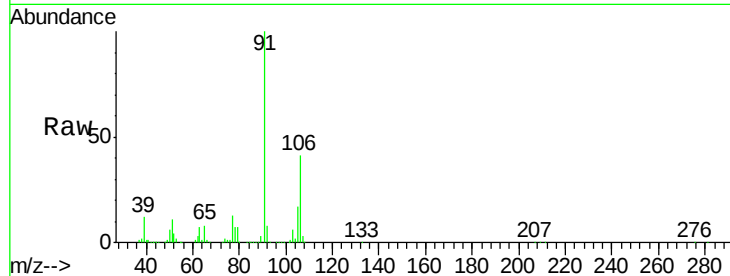




#69
o-Xylene
Concen: 52.195 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

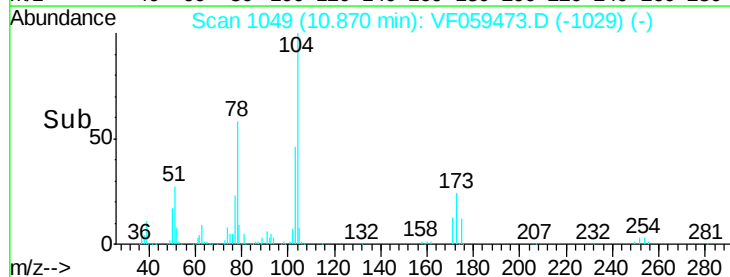
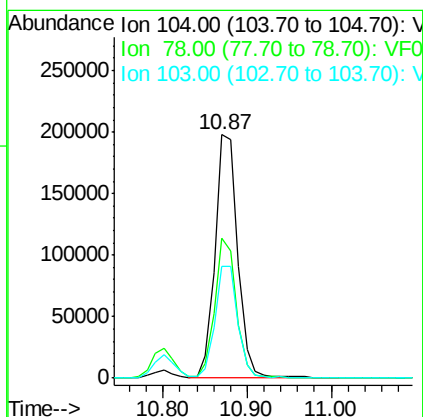
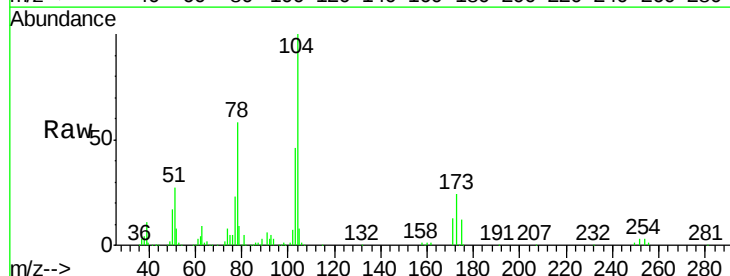
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

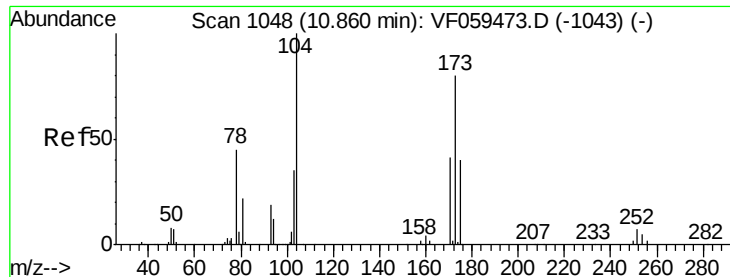
Tgt Ion:106 Resp: 239226
Ion Ratio Lower Upper
106 100
91 243.5 121.8 365.3



#70
Styrene
Concen: 52.741 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion:104 Resp: 368798
Ion Ratio Lower Upper
104 100
78 57.7 46.2 69.2
103 46.0 36.8 55.2





#71

Bromoform

Concen: 56.546 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

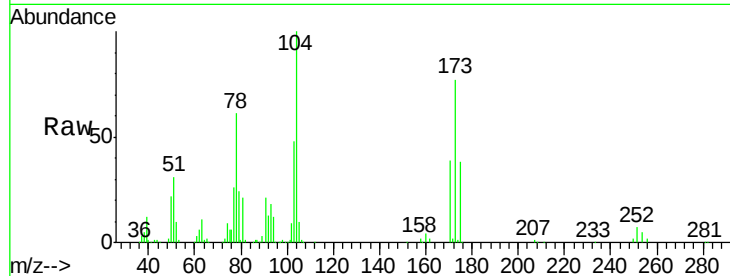
Tgt Ion:173 Resp: 114724

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.8

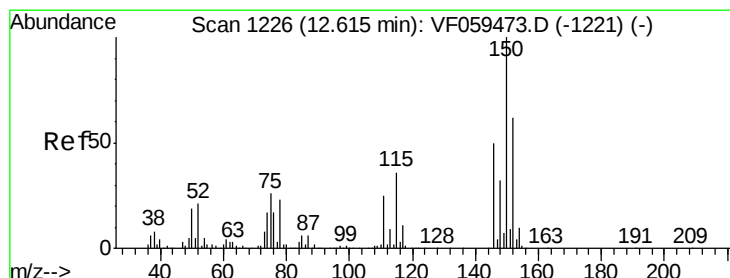
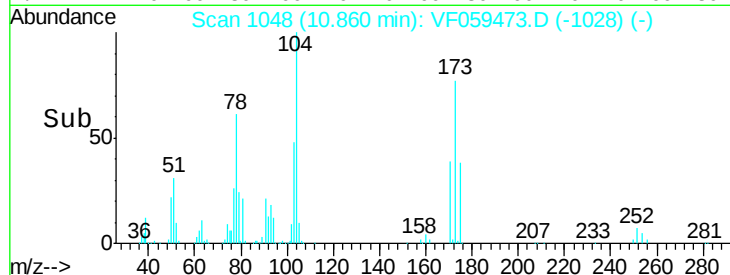
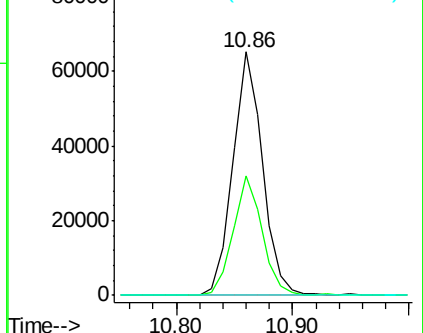
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

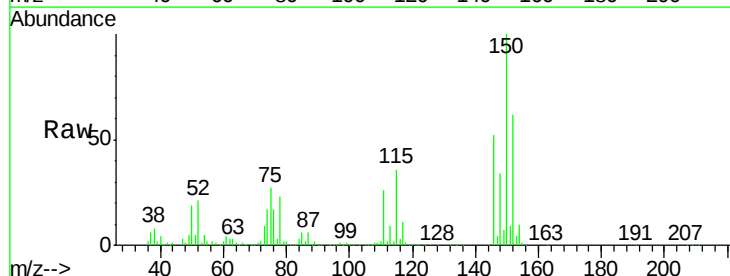
Tgt Ion:152 Resp: 230400

Ion Ratio Lower Upper

152 100

115 57.5 28.7 86.3

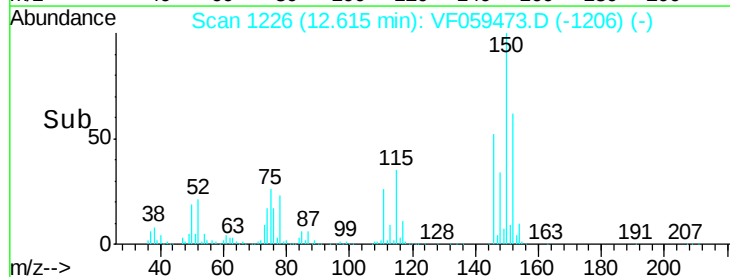
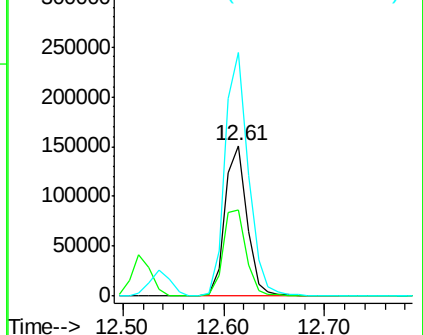
150 161.9 0.0 323.8

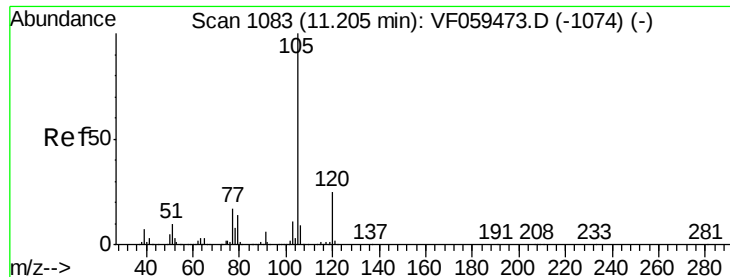


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.184 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

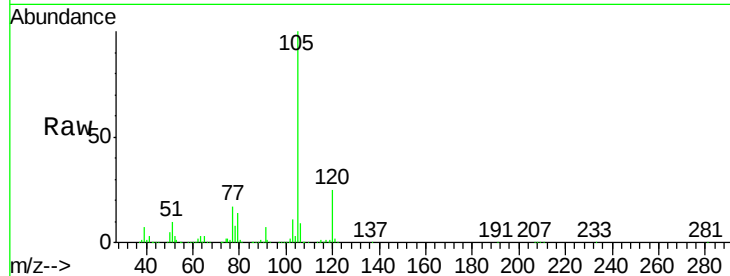
VSTDICCC050

Tgt Ion: 105 Resp: 743101

Ion Ratio Lower Upper

105 100

120 24.8 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

400000

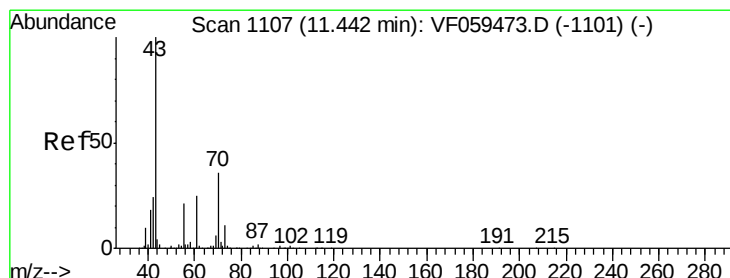
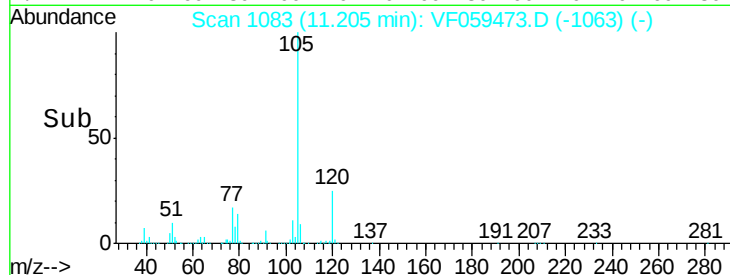
300000

200000

100000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 48.361 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion: 43 Resp: 234270

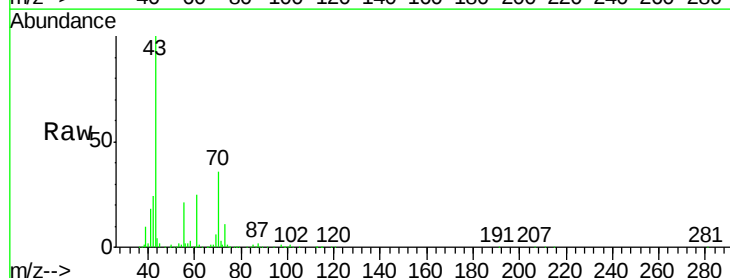
Ion Ratio Lower Upper

43 100

70 35.9 28.7 43.1

55 20.7 16.6 24.8

61 25.1 20.1 30.1



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

11.44

250000

200000

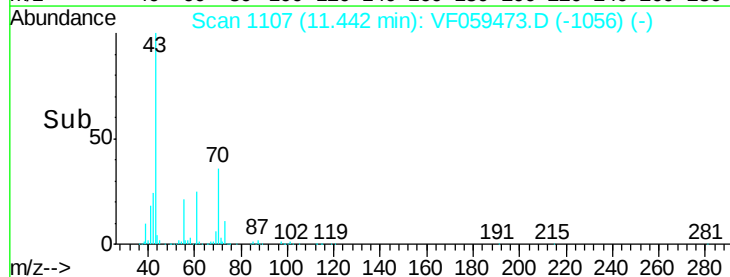
150000

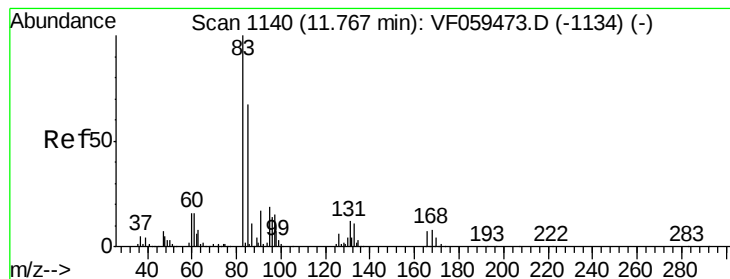
100000

50000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 49.132 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampled :

VSTDICCC050

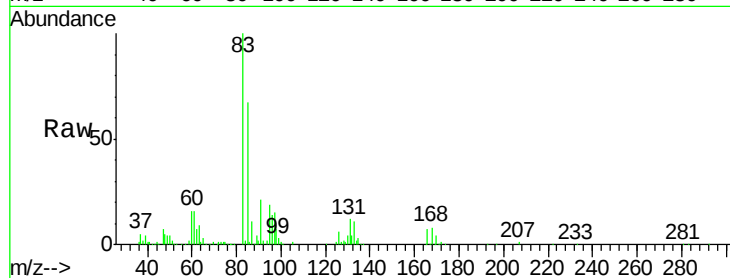
Tgt Ion: 83 Resp: 165985

Ion Ratio Lower Upper

83 100

131 12.0 6.0 18.0

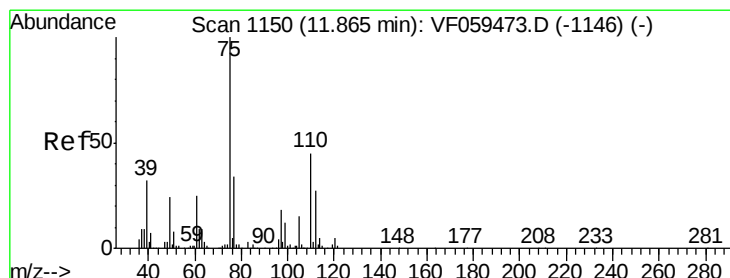
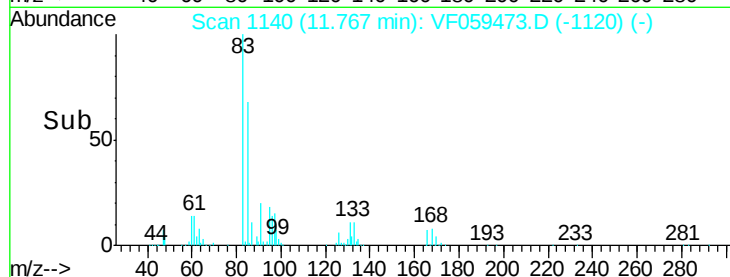
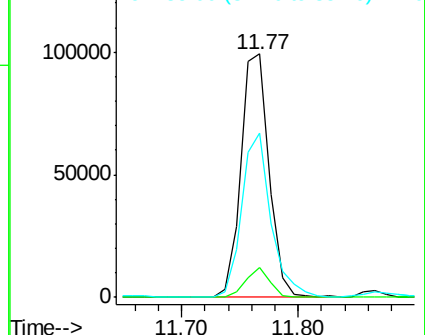
85 67.4 33.7 101.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.952 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF059473.D

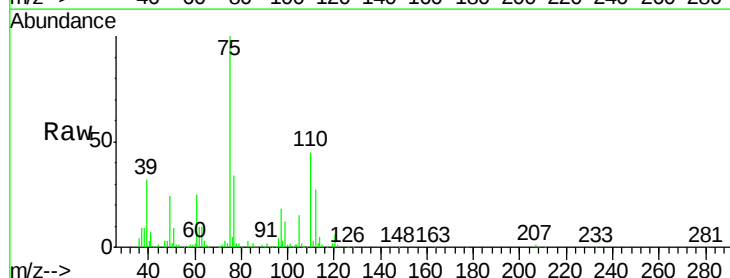
Acq: 7 Jul 2018 3:27

Tgt Ion: 75 Resp: 134634

Ion Ratio Lower Upper

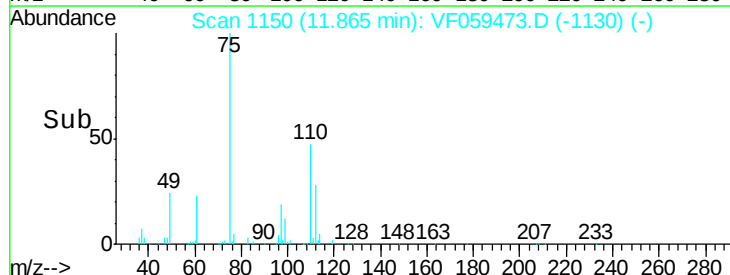
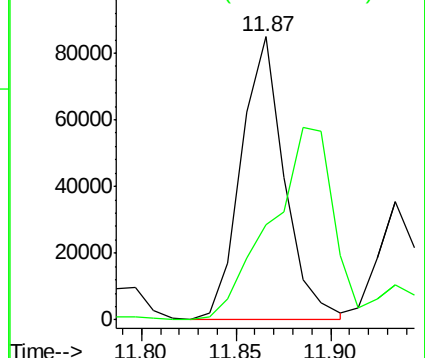
75 100

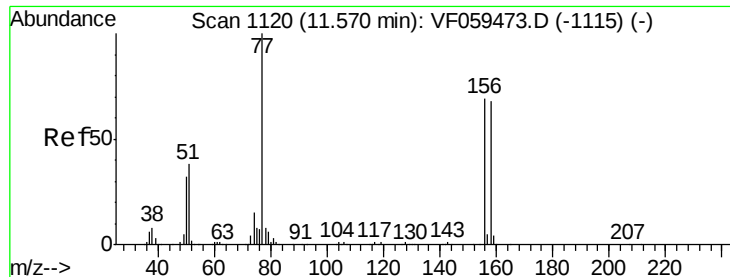
77 33.7 16.9 50.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.396 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

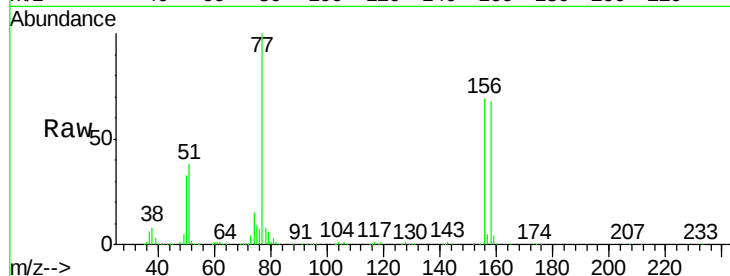
Tgt Ion: 156 Resp: 193965

Ion Ratio Lower Upper

156 100

77 144.8 72.4 217.2

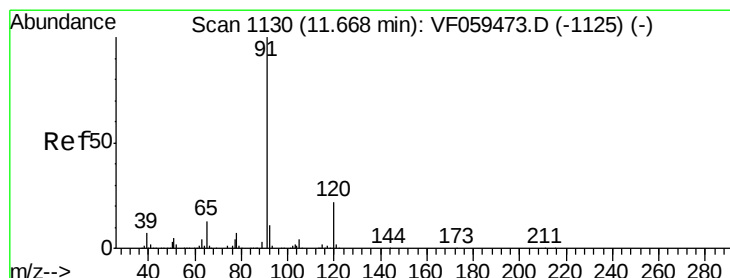
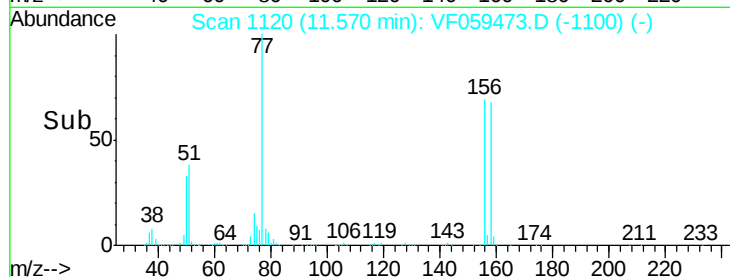
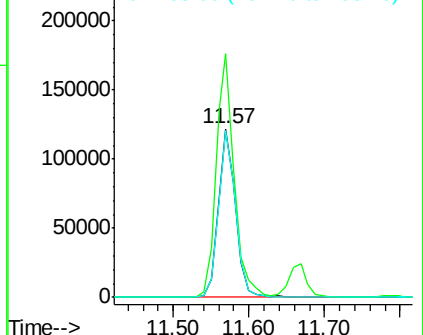
158 98.9 49.5 148.3



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: 51.688 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF059473.D

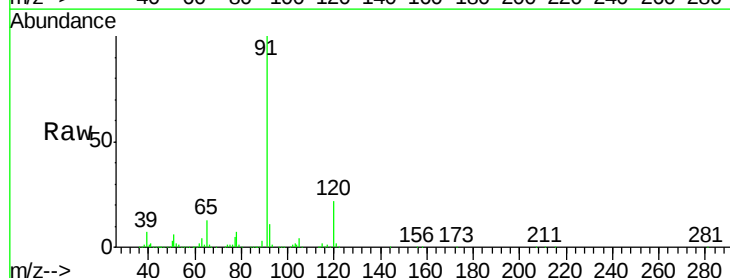
Acq: 7 Jul 2018 3:27

Tgt Ion: 91 Resp: 850832

Ion Ratio Lower Upper

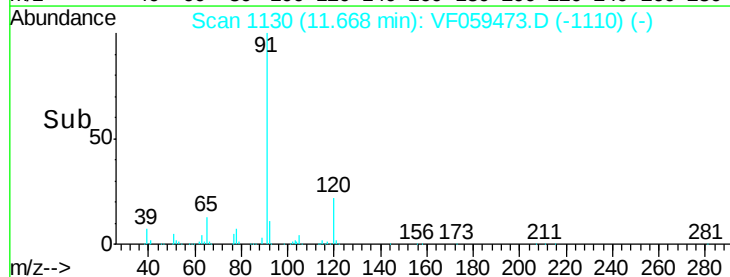
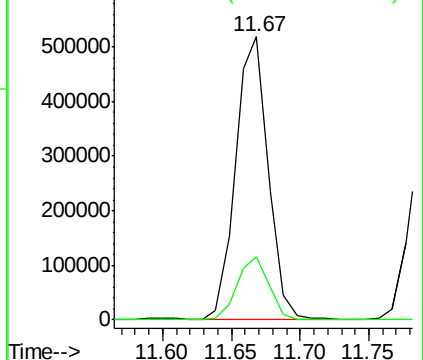
91 100

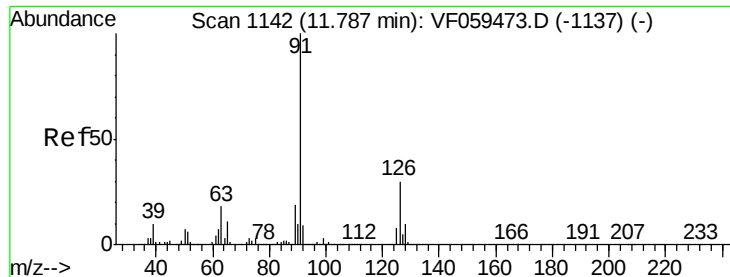
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.395 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

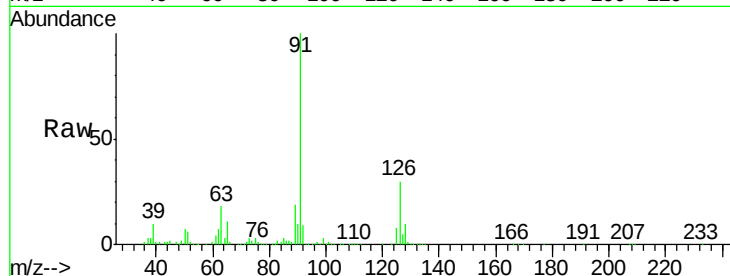
VSTDICCC050

Tgt Ion: 91 Resp: 528956

Ion Ratio Lower Upper

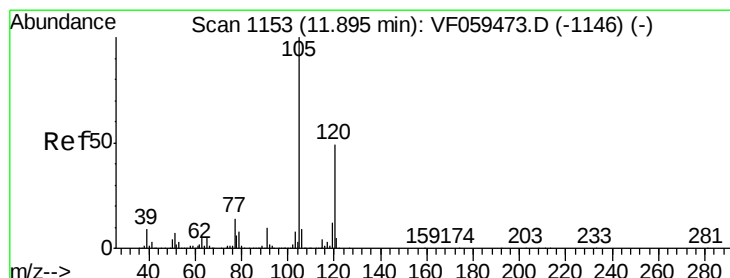
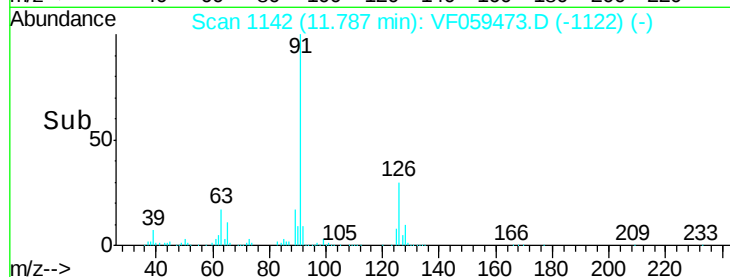
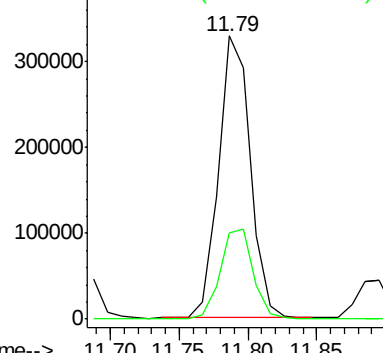
91 100

126 30.3 15.2 45.5



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: 54.375 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059473.D

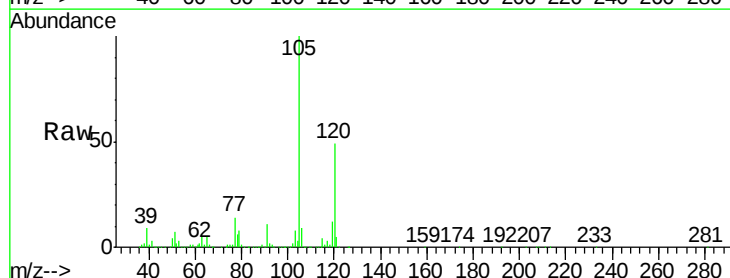
Acq: 7 Jul 2018 3:27

Tgt Ion: 105 Resp: 657566

Ion Ratio Lower Upper

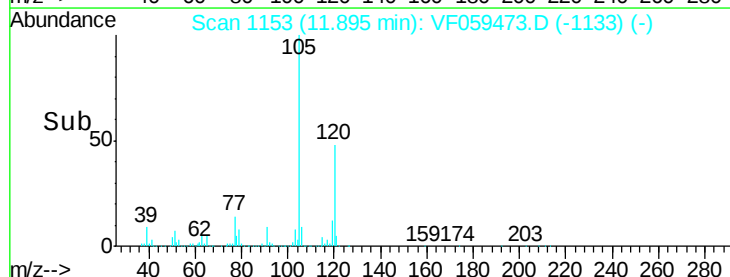
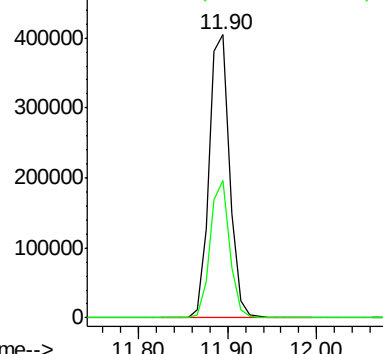
105 100

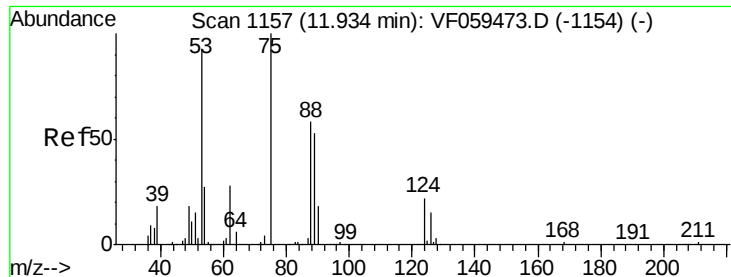
120 48.8 24.4 73.2



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: 46.487 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

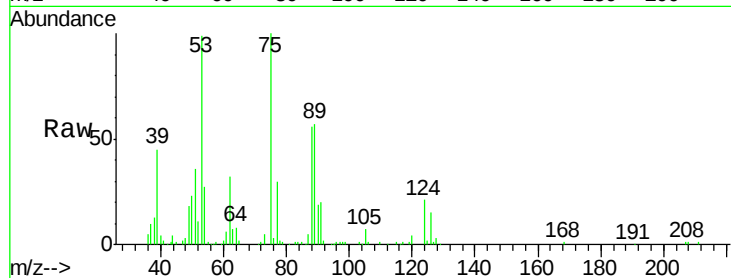
Tgt Ion: 75 Resp: 69859

Ion Ratio Lower Upper

75 100

53 98.8 79.0 118.6

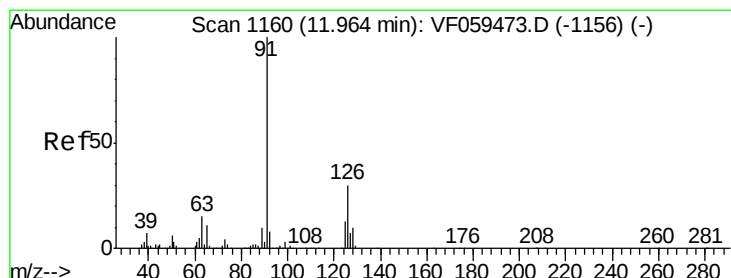
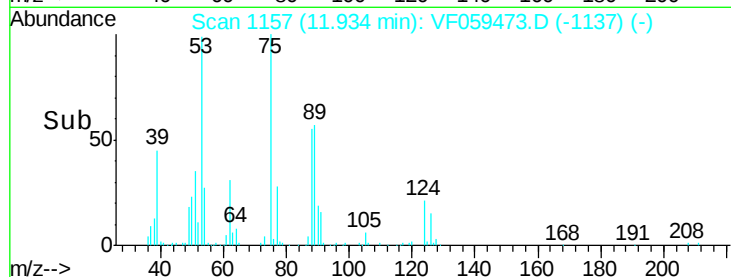
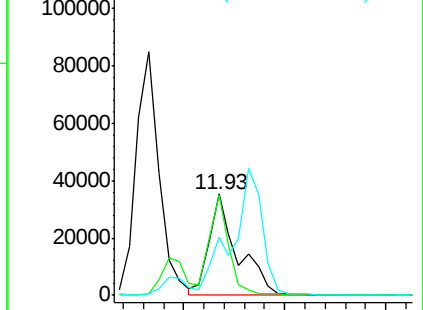
89 57.4 45.9 68.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.637 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059473.D

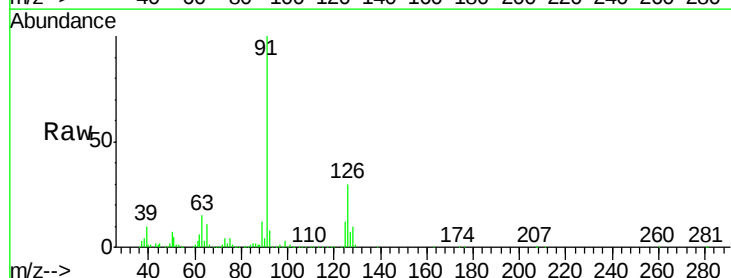
Acq: 7 Jul 2018 3:27

Tgt Ion: 91 Resp: 552659

Ion Ratio Lower Upper

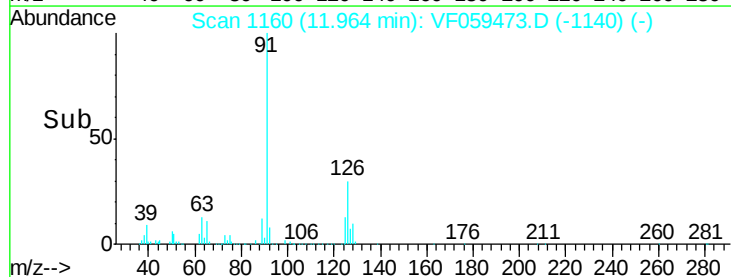
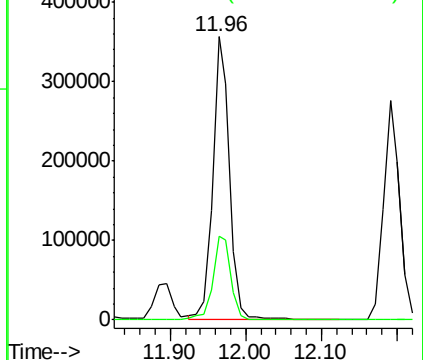
91 100

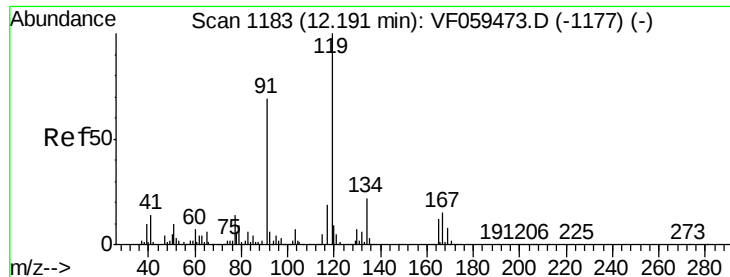
126 29.7 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

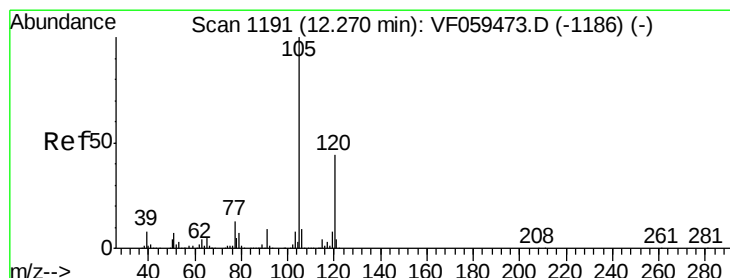
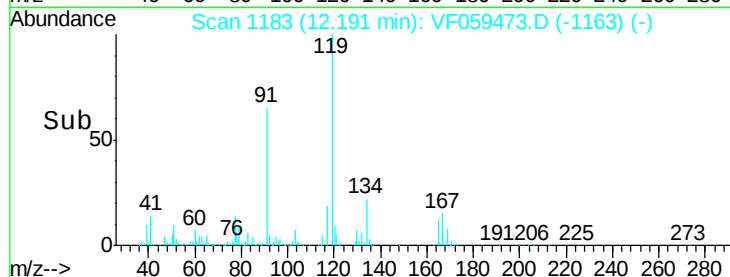
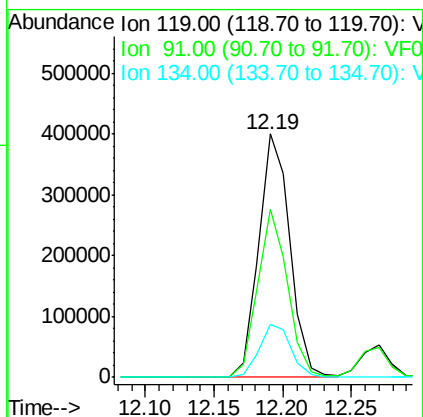
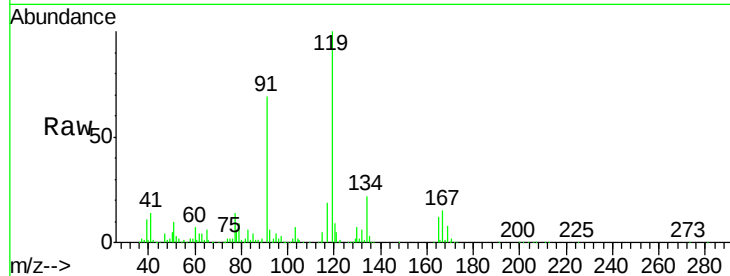




#83
tert-Butylbenzene
Concen: 52.900 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

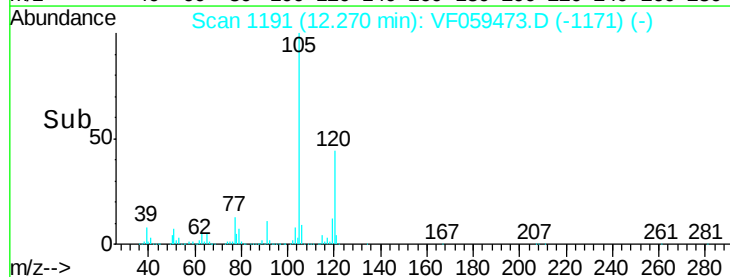
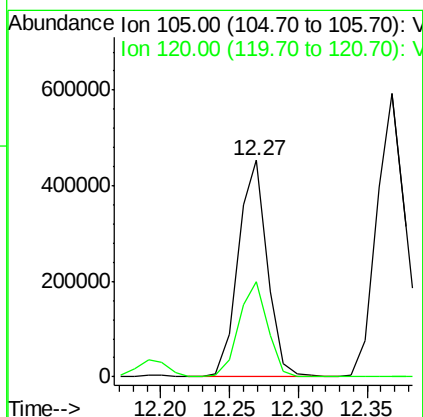
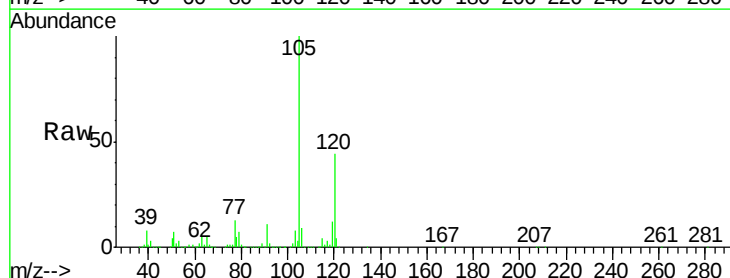
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

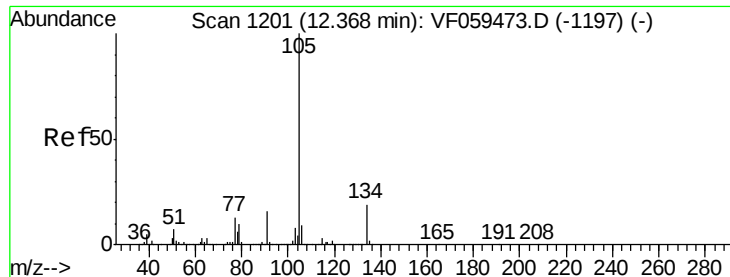
Tgt Ion:119 Resp: 632653
Ion Ratio Lower Upper
119 100
91 68.9 34.4 103.3
134 21.6 10.8 32.4



#84
1,2,4-Trimethylbenzene
Concen: 52.735 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion:105 Resp: 665828
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1

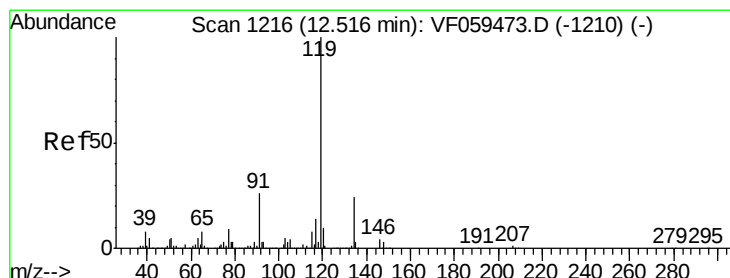
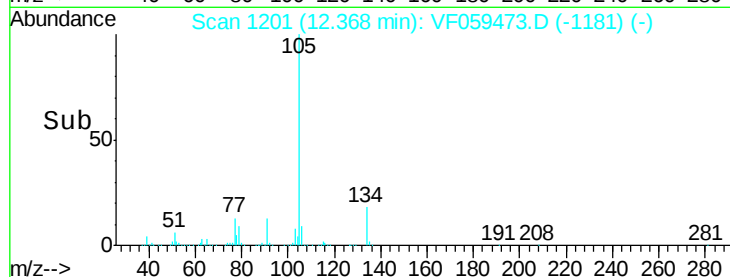
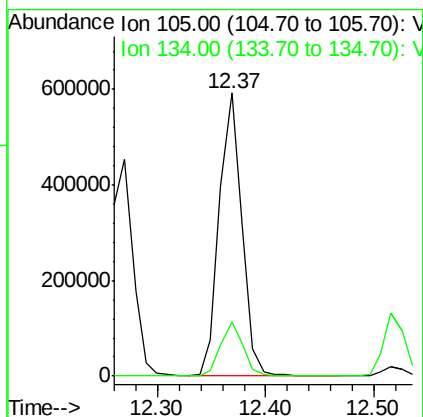
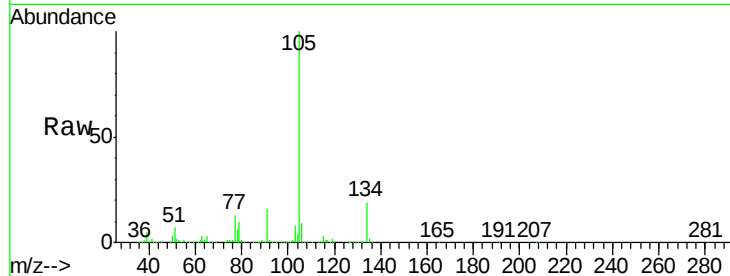




#85
 sec-Butylbenzene
 Concen: 54.022 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

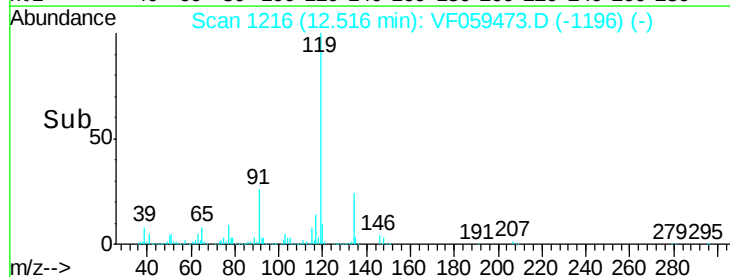
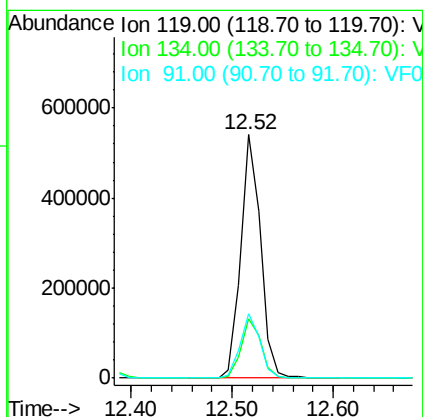
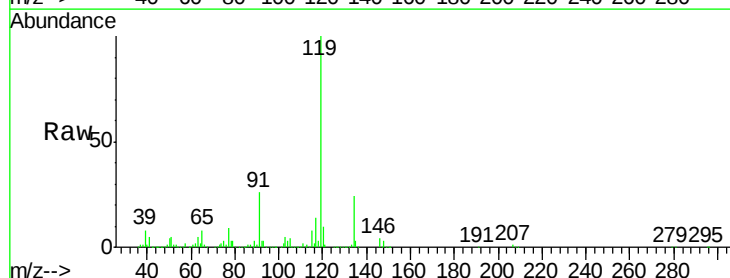
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

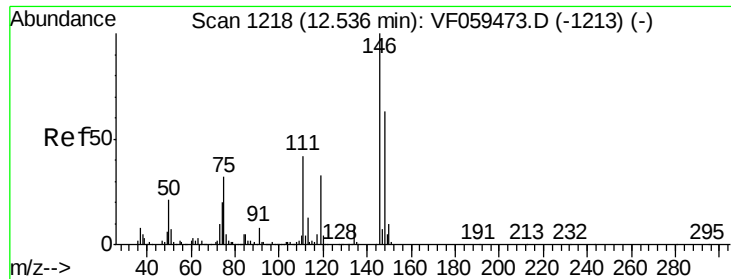
Tgt Ion:105 Resp: 861850
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 54.712 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion:119 Resp: 734460
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.2 36.4
 91 26.2 13.1 39.3

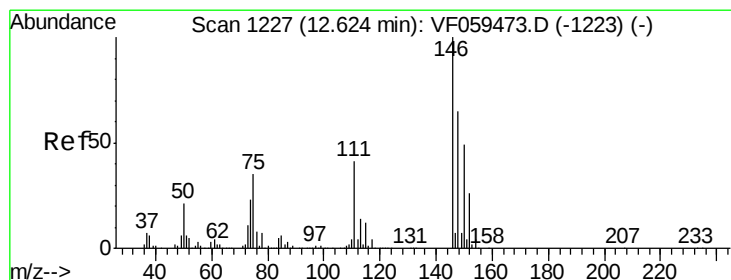
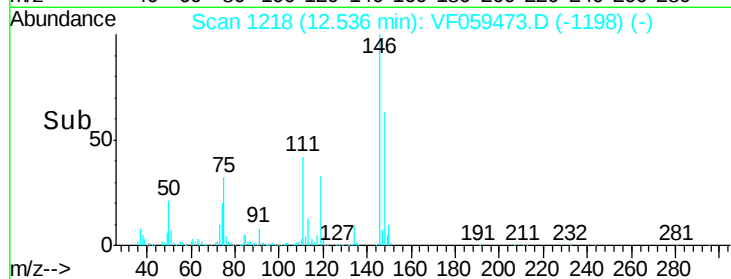
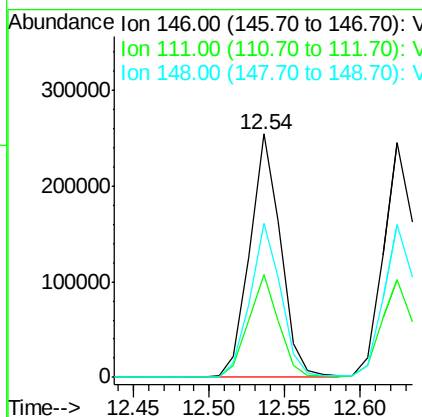
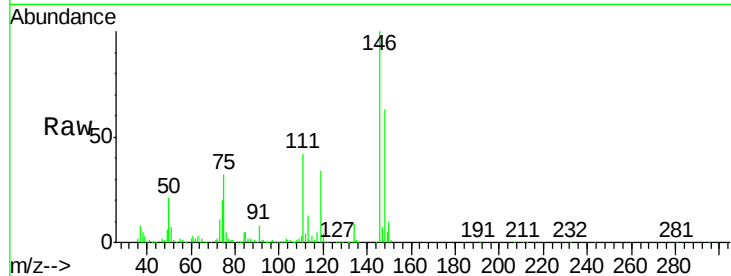




#87
 1,3-Dichlorobenzene
 Concen: 51.704 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

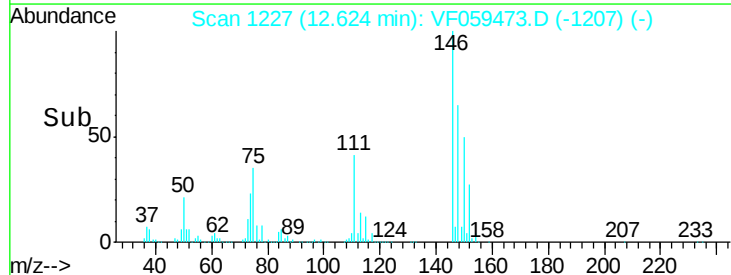
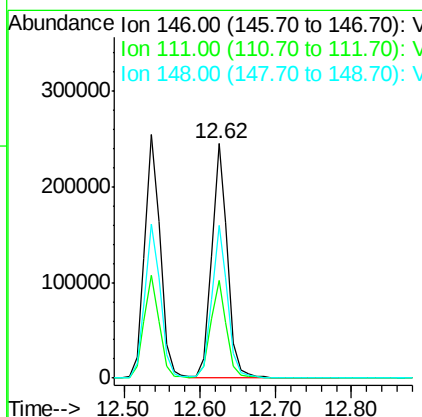
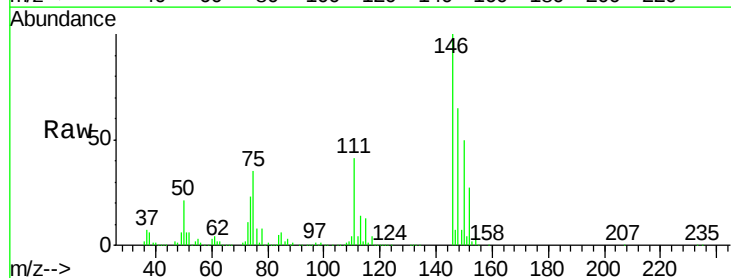
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

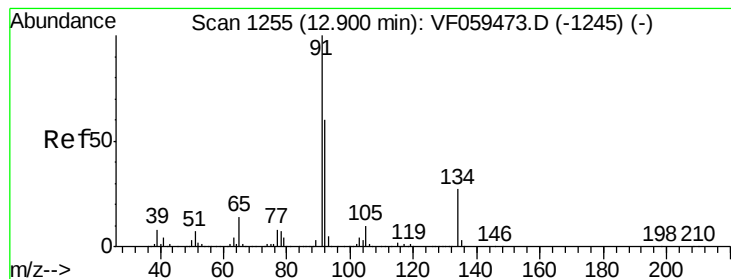
Tgt Ion:146 Resp: 362981
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.0 63.0
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 53.009 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion:146 Resp: 361503
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 65.2 32.6 97.8





#89

n-Butylbenzene

Concen: 52.808 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

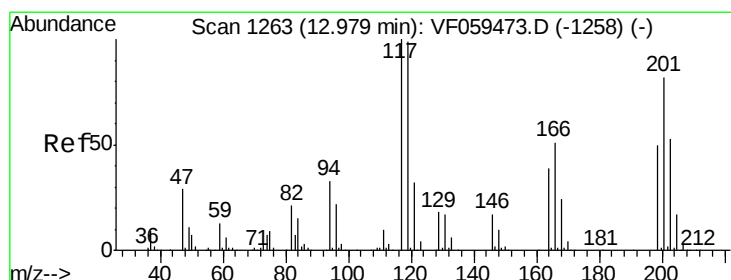
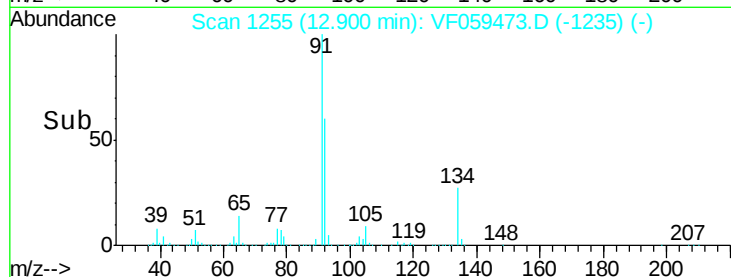
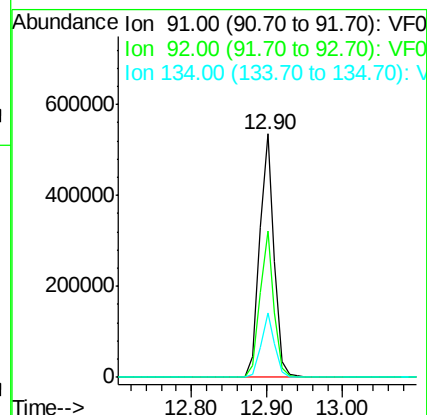
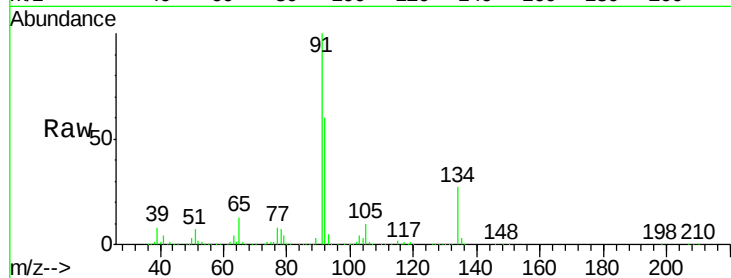
Tgt Ion: 91 Resp: 719762

Ion Ratio Lower Upper

91 100

92 60.1 30.0 90.1

134 26.6 13.3 39.9



#90

Hexachloroethane

Concen: 55.240 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF059473.D

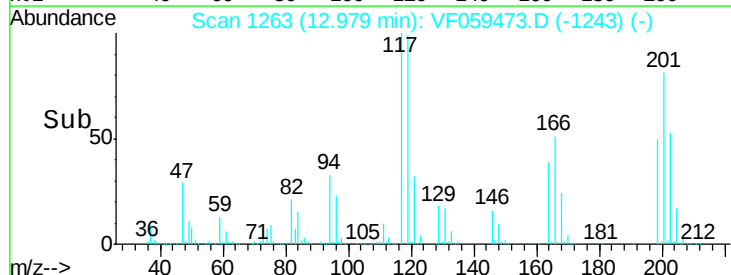
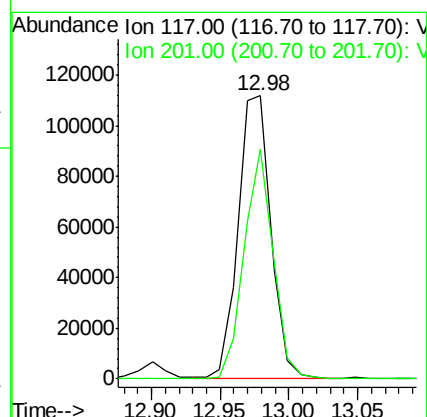
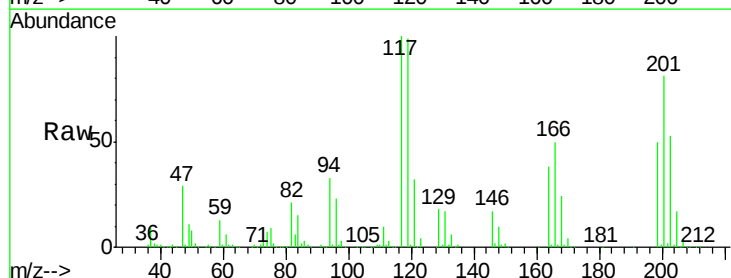
Acq: 7 Jul 2018 3:27

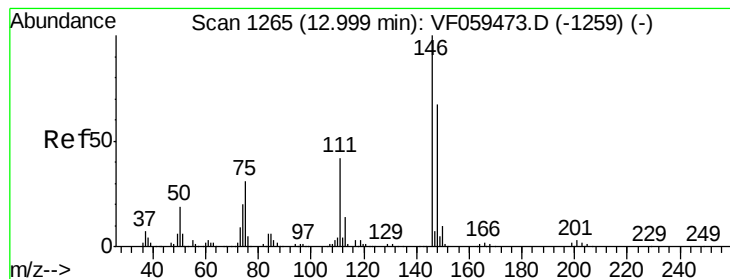
Tgt Ion: 117 Resp: 185359

Ion Ratio Lower Upper

117 100

201 81.2 40.6 121.8





#91

1,2-Dichlorobenzene

Concen: 52.717 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

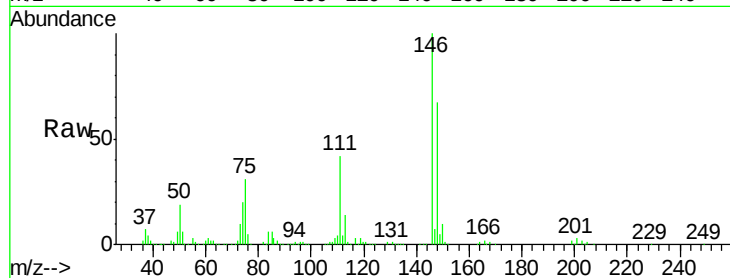
Tgt Ion:146 Resp: 362305

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

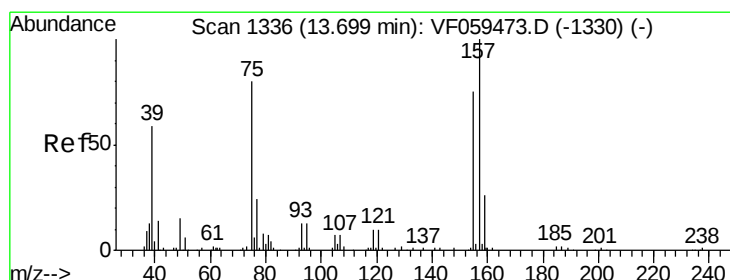
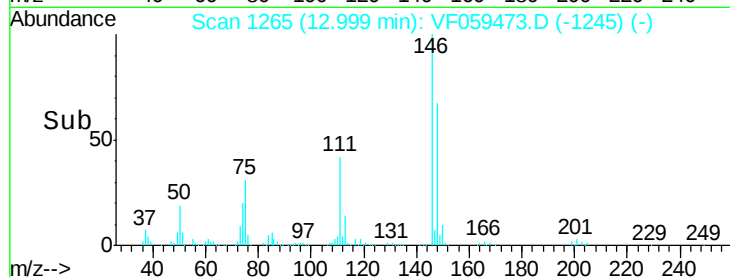
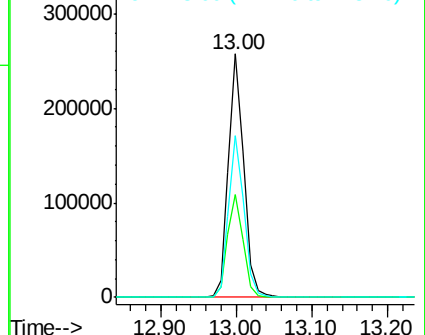
148 66.6 33.3 99.9



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: 56.532 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

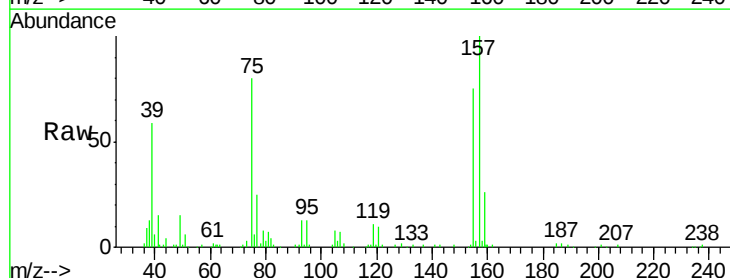
Tgt Ion: 75 Resp: 43299

Ion Ratio Lower Upper

75 100

155 94.5 47.3 141.8

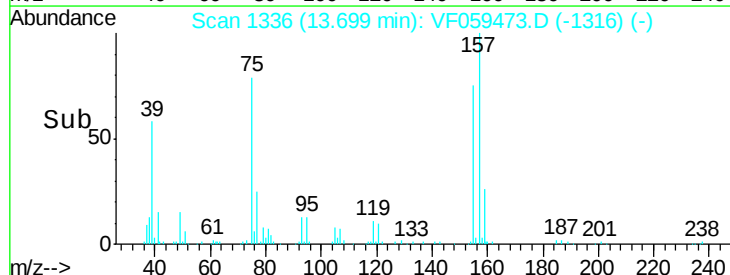
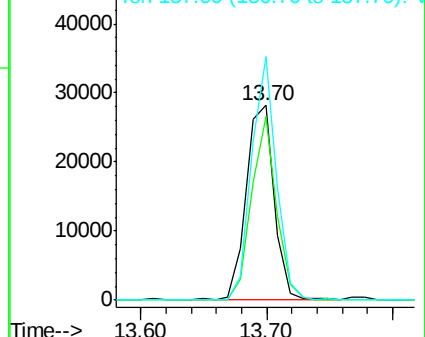
157 125.2 62.6 187.8

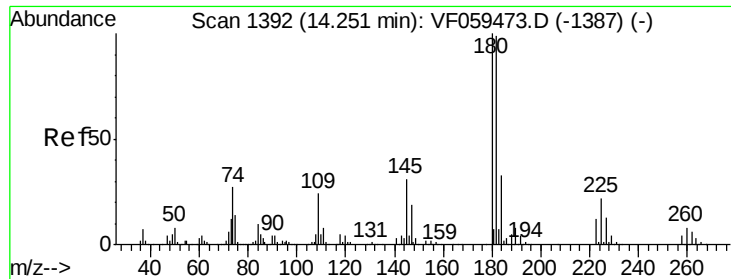


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

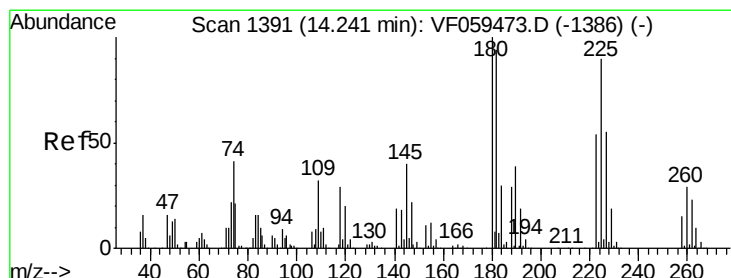
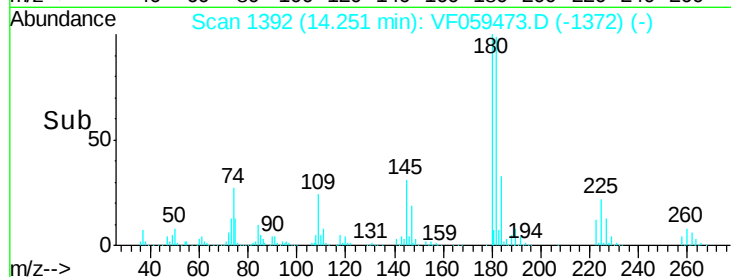
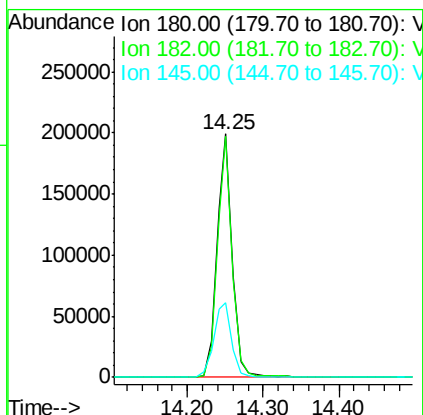
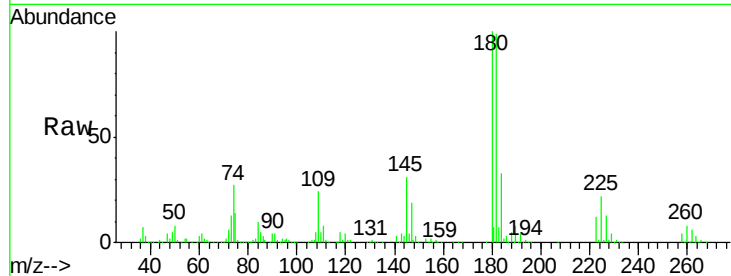




#93
 1,2,4-Trichlorobenzene
 Concen: 55.285 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

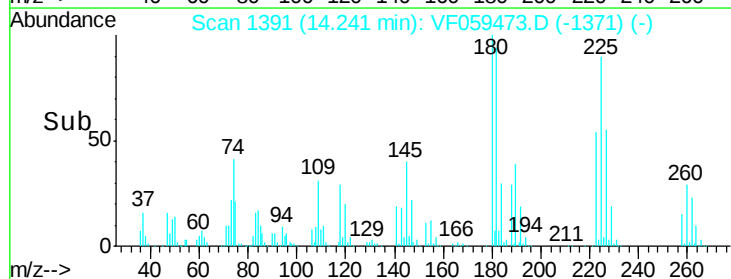
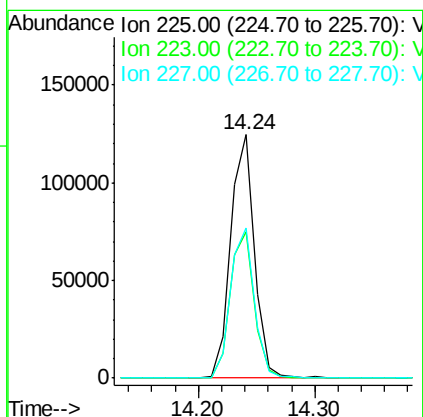
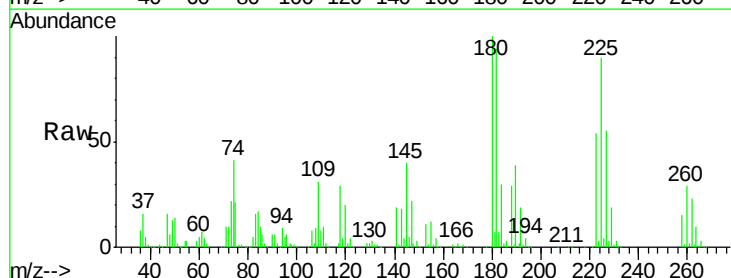
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

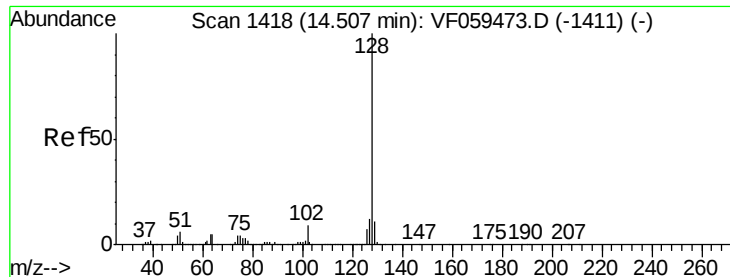
Tgt Ion:180 Resp: 282198
 Ion Ratio Lower Upper
 180 100
 182 99.1 49.5 148.7
 145 30.8 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 60.182 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion:225 Resp: 176167
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.1 90.5
 227 61.6 30.8 92.4

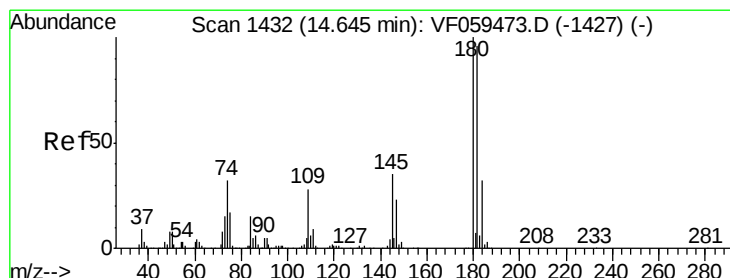
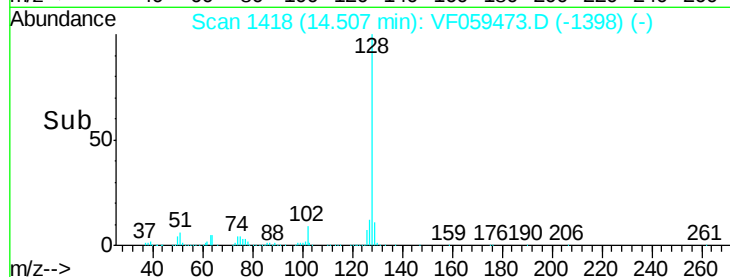
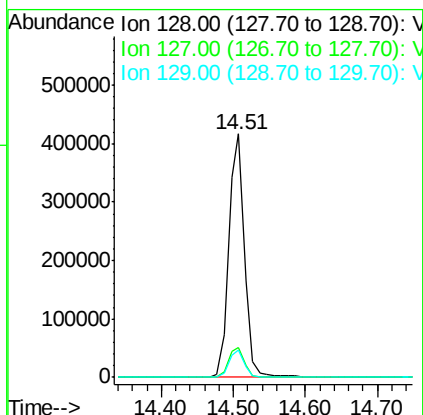
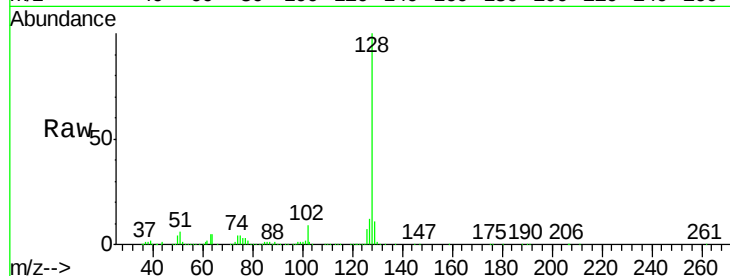




#95
Naphthalene
Concen: 58.301 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 623260
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.3 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 57.682 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion:180 Resp: 280330
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 35.0 17.5 52.5

