

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059513.D
 Acq On : 17 Jul 2018 18:01
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 18 01:43:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	258284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	377722	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	379931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	223641	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	201775	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	4.31	113	168303	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	7.73	98	424340	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.52	95	215715	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	138335	47.056	ug/l	100
3) Chloromethane	1.09	50	71937	43.410	ug/l	100
4) Vinyl Chloride	1.15	62	79114	45.834	ug/l	100
5) Bromomethane	1.34	94	52063	43.305	ug/l	100
6) Chloroethane	1.44	64	39671	43.922	ug/l	100
7) Trichlorofluoromethane	1.54	101	198173	50.019	ug/l	100
8) Diethyl Ether	1.70	74	40528	51.059	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	76551	40.675	ug/l	100
10) Methyl Iodide	1.98	142	141507	44.612	ug/l	100
11) Tert butyl alcohol	2.69	59	45777	253.166	ug/l	100
12) 1,1-Dichloroethene	1.86	96	80698	44.395	ug/l	100
13) Acrolein	2.10	56	19634	194.358	ug/l	100
14) Allyl chloride	2.20	41	106718	44.765	ug/l	100
15) Acrylonitrile	3.08	53	84203	252.347	ug/l	100
16) Acetone	2.34	43	172811	260.972	ug/l	100
17) Carbon Disulfide	1.88	76	216420	43.863	ug/l	100
18) Methyl Acetate	2.45	43	67934	49.967	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	307612	51.741	ug/l	100
20) Methylene Chloride	2.34	84	57545	24.273	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	81659	49.315	ug/l	100
22) Diisopropyl ether	2.94	45	338392	49.514	ug/l	100
23) Vinyl Acetate	3.35	43	979357	246.594	ug/l	100
24) 1,1-Dichloroethane	3.01	63	197351	50.867	ug/l	100
25) 2-Butanone	4.53	43	237933	247.198	ug/l	100
26) 2,2-Dichloropropane	3.77	77	135381	51.994	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	103730	45.828	ug/l	100
28) Bromochloromethane	3.90	49	96952	53.891	ug/l	100
29) Tetrahydrofuran	4.28	42	102674	248.333	ug/l	100
30) Chloroform	4.05	83	293347	50.341	ug/l	100
31) Cyclohexane	3.87	56	96379	43.982	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	187952	46.498	ug/l	100
36) 1,1-Dichloropropene	4.47	75	179124	46.567	ug/l	100
37) Ethyl Acetate	4.32	43	113089	48.033	ug/l	100
38) Carbon Tetrachloride	4.18	117	197147	44.201	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	130466	45.039	ug/l	100
40) Benzene	4.82	78	348165	46.583	ug/l	100
41) Methacrylonitrile	4.95	41	52249	46.034	ug/l	100
42) 1,2-Dichloroethane	5.13	62	234283	48.966	ug/l	100
43) Isopropyl Acetate	7.12	43	133545	47.365	ug/l	100
44) Trichloroethene	5.69	130	127361	47.269	ug/l	100
45) 1,2-Dichloropropane	6.42	63	100185	47.264	ug/l	100
46) Dibromomethane	6.27	93	91035	48.075	ug/l	100
47) Bromodichloromethane	6.56	83	236565	48.891	ug/l	100
48) Methyl methacrylate	6.89	41	97518	47.993	ug/l	100
49) 1,4-Dioxane	6.90	88	9008	980.121	ug/l	100
51) 4-Methyl-2-Pentanone	8.43	43	488053	246.745	ug/l	100
52) Toluene	7.80	92	245872	45.746	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	215454	50.380	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	219064	49.371	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	104092	48.626	ug/l	100
56) Ethyl methacrylate	8.77	69	129829	48.155	ug/l	100
57) 1,3-Dichloropropane	9.02	76	174215	47.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	53912	239.468	ug/l	100
59) 2-Hexanone	9.65	43	381798	246.023	ug/l	100
60) Dibromochloromethane	8.88	129	175730	50.582	ug/l	100
61) 1,2-Dibromoethane	9.16	107	122567	47.308	ug/l	100
64) Tetrachloroethene	8.32	164	129435	43.211	ug/l	100
65) Chlorobenzene	9.95	112	331441	46.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	151681	46.884	ug/l	100
67) Ethyl Benzene	10.05	91	578634	45.384	ug/l	100
68) m/p-Xylenes	10.28	106	409750	89.725	ug/l	100
69) o-Xylene	10.84	106	220330	46.427	ug/l	100
70) Styrene	10.91	104	338301	45.057	ug/l	100
71) Bromoform	10.90	173	112064	47.509	ug/l	100
73) Isopropylbenzene	11.24	105	669411	46.922	ug/l	100
74) N-amyl acetate	11.47	43	220224	43.498	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	149711	47.853	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	118951	46.115	ug/l	100
77) Bromobenzene	11.61	156	188157	46.804	ug/l	100
78) n-propylbenzene	11.70	91	751709	45.511	ug/l	100
79) 2-Chlorotoluene	11.83	91	461214	46.202	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	555638	45.300	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	71159	58.185	ug/l	100
82) 4-Chlorotoluene	11.99	91	526910	45.556	ug/l	100
83) tert-Butylbenzene	12.22	119	545779	47.537	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	570609	46.567	ug/l	100
85) sec-Butylbenzene	12.40	105	686525	47.342	ug/l	100
86) p-Isopropyltoluene	12.55	119	593801	46.292	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	318640	46.290	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	310487	46.614	ug/l	100
89) n-Butylbenzene	12.93	91	562040	47.723	ug/l	100
90) Hexachloroethane	13.00	117	128636	44.543	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	301848	47.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	33893	48.795	ug/l	100

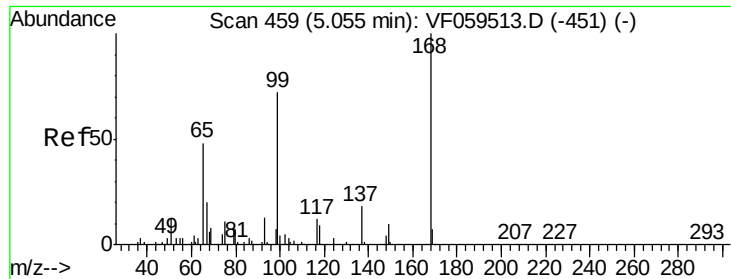
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	187681	46.769	ug/l	100
94) Hexachlorobutadiene	14.26	225	92224	51.929	ug/l	100
95) Naphthalene	14.53	128	400528	46.907	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	163972	46.845	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

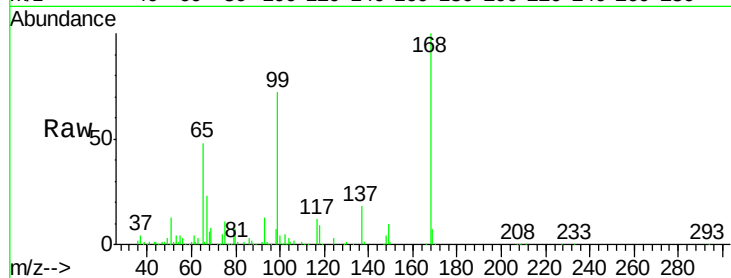
VSTDICCC050

Tot Ion:168 Resp: 258284

Ion Ratio Lower Upper

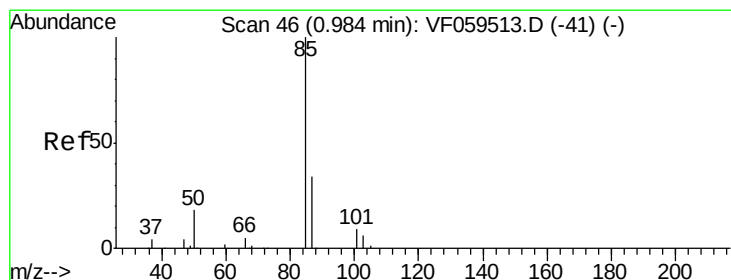
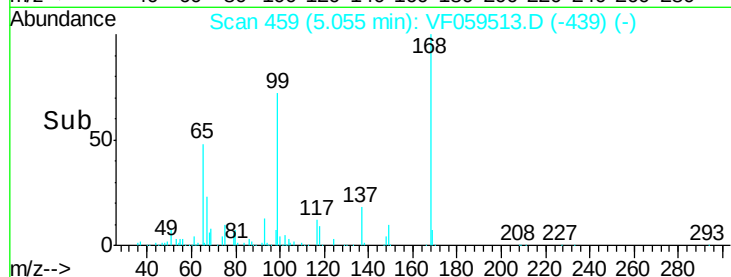
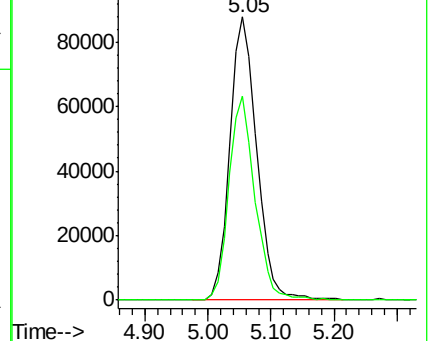
168 100

99 72.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 47.056 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059513.D

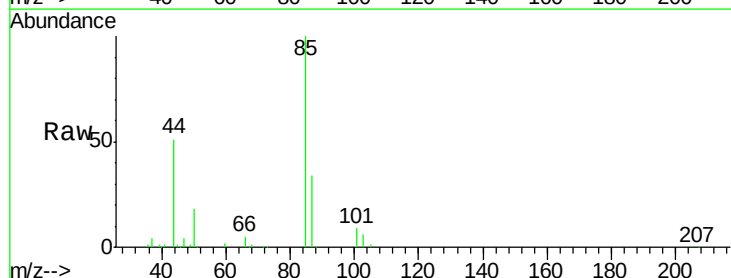
Acq: 17 Jul 2018 18:01

Tgt Ion: 85 Resp: 138335

Ion Ratio Lower Upper

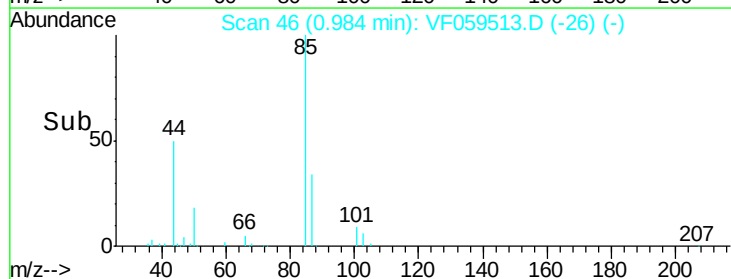
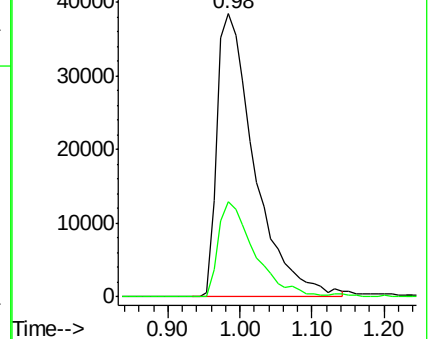
85 100

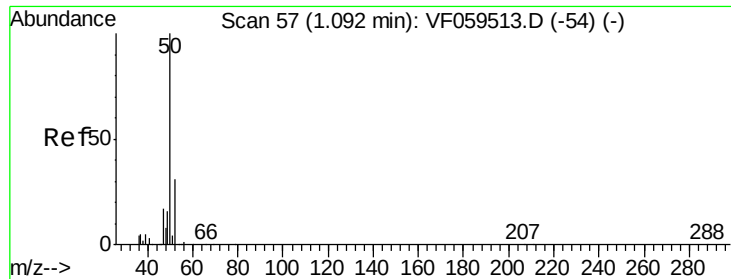
87 33.7 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 43.410 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

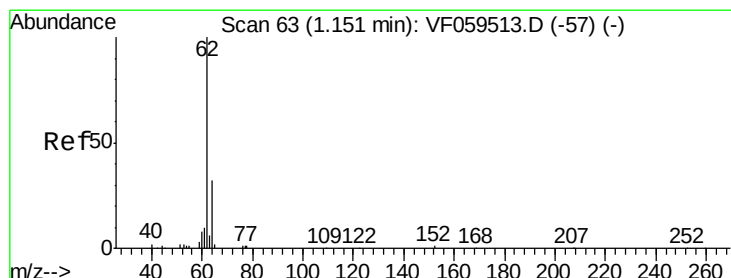
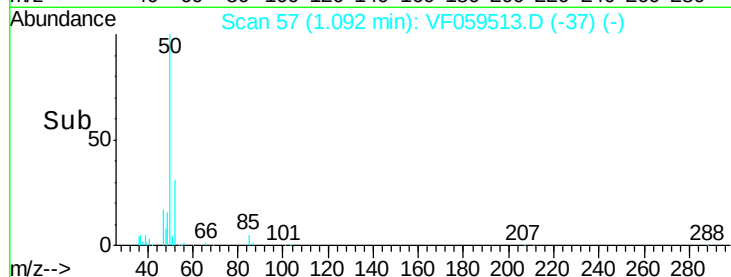
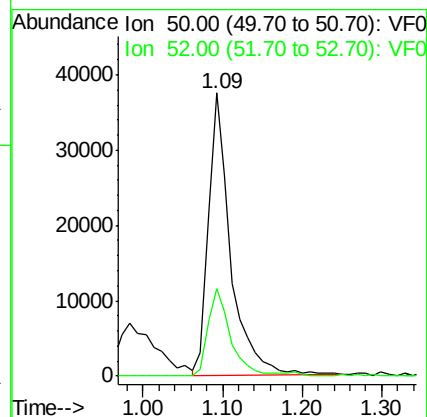
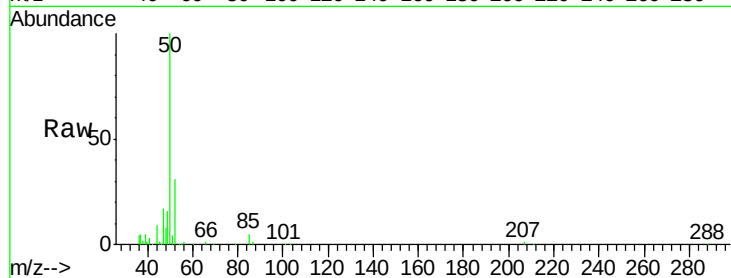
VSTDICCC050

Tot Ion: 50 Resp: 71937

Ion Ratio Lower Upper

50 100

52 30.8 24.6 37.0



#4

Vinyl Chloride

Concen: 45.834 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059513.D

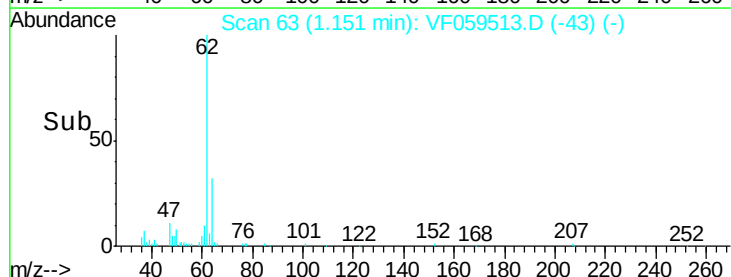
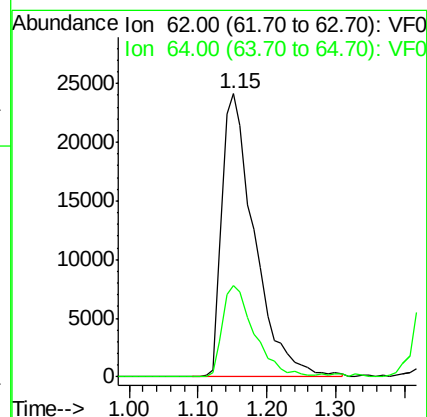
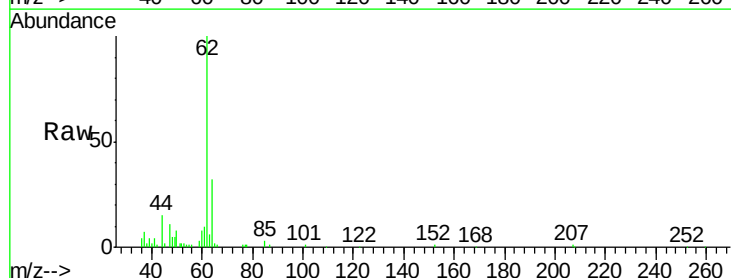
Acq: 17 Jul 2018 18:01

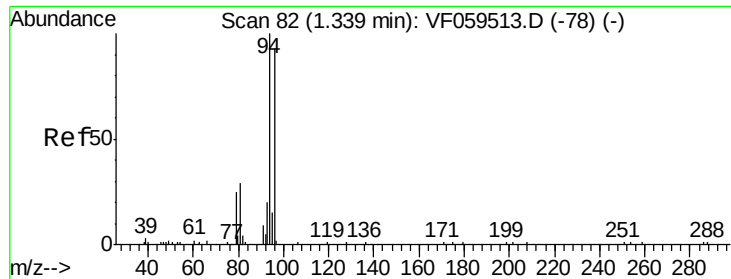
Tgt Ion: 62 Resp: 79114

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 43.305 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

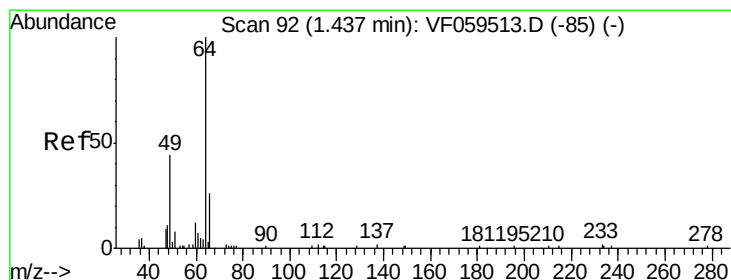
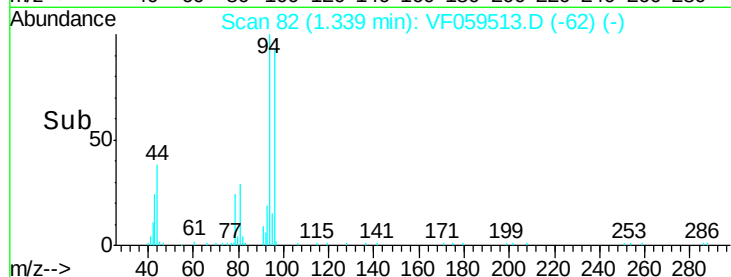
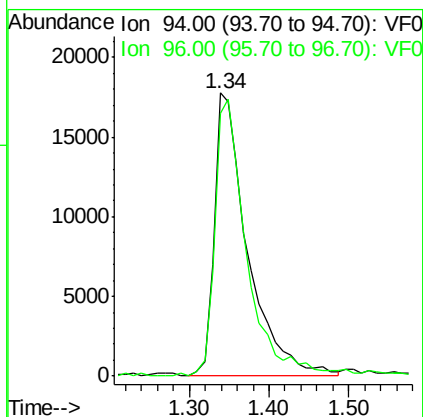
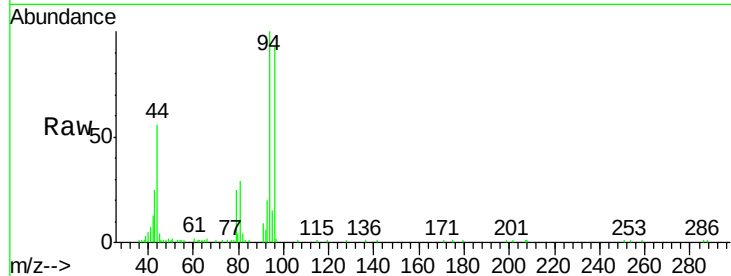
VSTDICCC050

Tot Ion: 94 Resp: 52063

Ion Ratio Lower Upper

94 100

96 92.7 74.2 111.2



#6

Chloroethane

Concen: 43.922 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059513.D

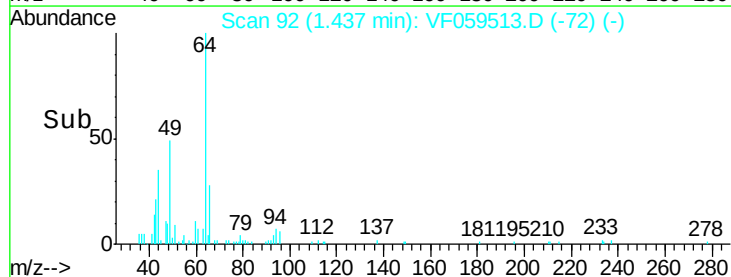
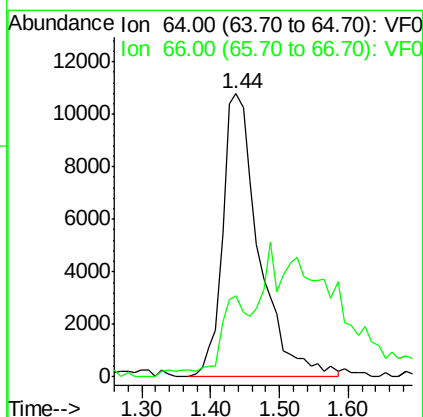
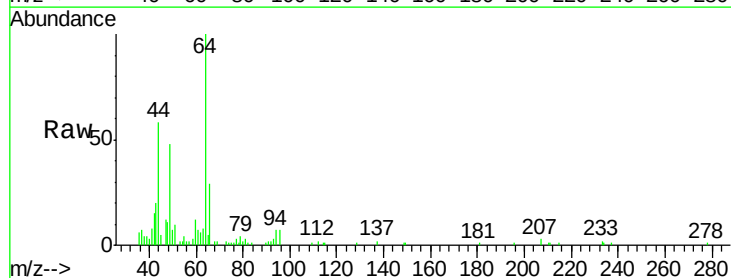
Acq: 17 Jul 2018 18:01

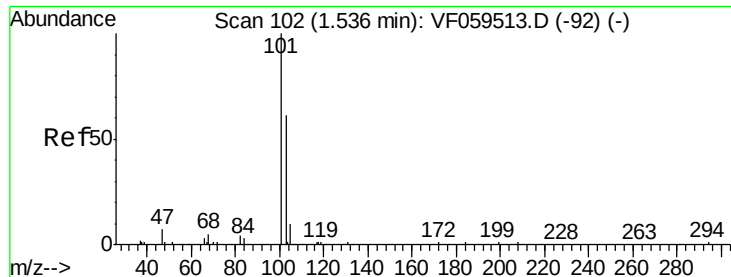
Tgt Ion: 64 Resp: 39671

Ion Ratio Lower Upper

64 100

66 28.6 22.9 34.3



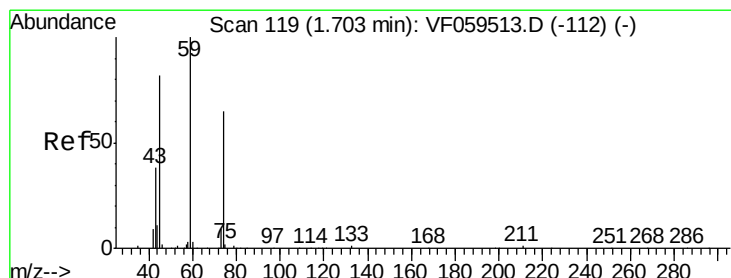
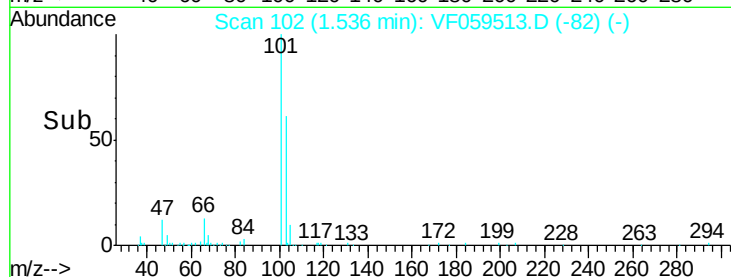
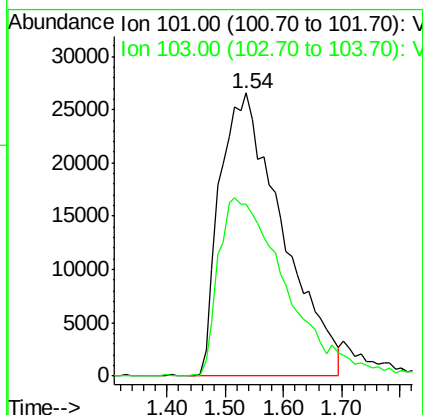
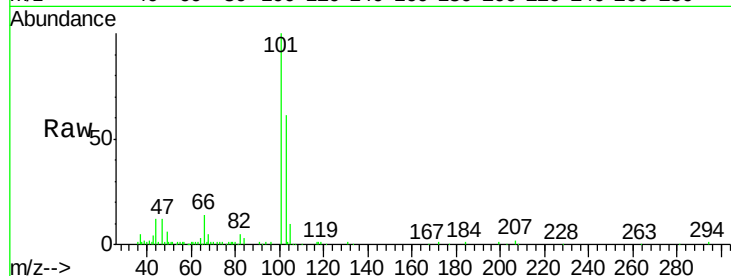


#7

Trichlorofluoromethane
Concen: 50.019 ug/l
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

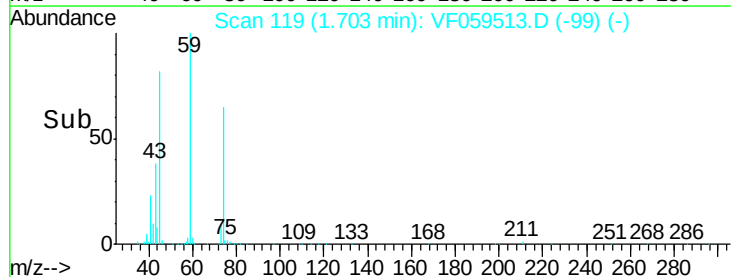
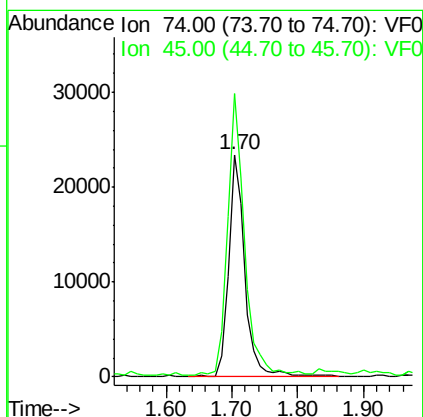
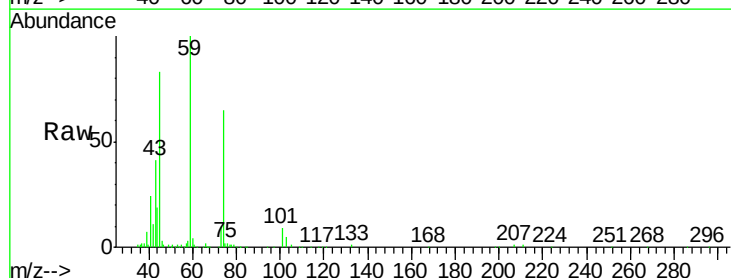
Tot Ion:101 Resp: 198173
Ion Ratio Lower Upper
101 100
103 60.7 48.6 72.8

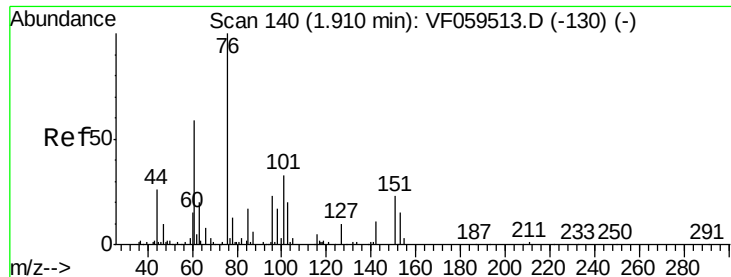


#8

Diethyl Ether
Concen: 51.059 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 74 Resp: 40528
Ion Ratio Lower Upper
74 100
45 127.3 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.675 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

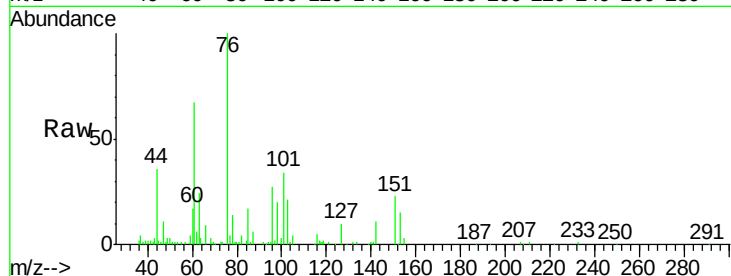
Tot Ion:101 Resp: 76551

Ion Ratio Lower Upper

101 100

85 49.7 39.8 59.6

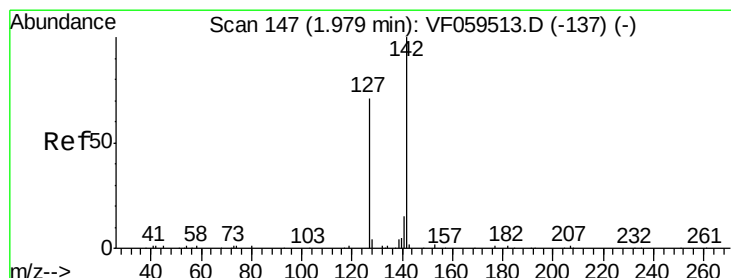
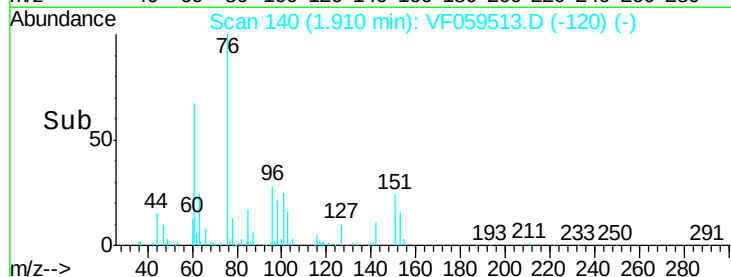
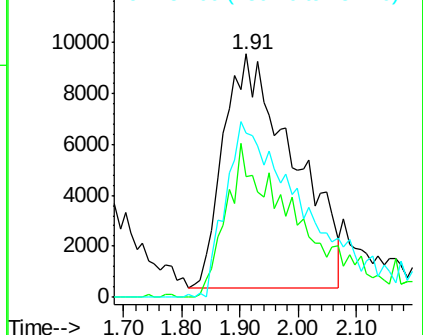
151 67.7 54.2 81.2



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: 44.612 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

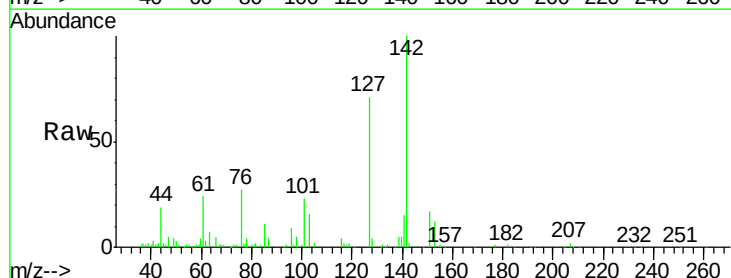
Tgt Ion:142 Resp: 141507

Ion Ratio Lower Upper

142 100

127 70.5 56.4 84.6

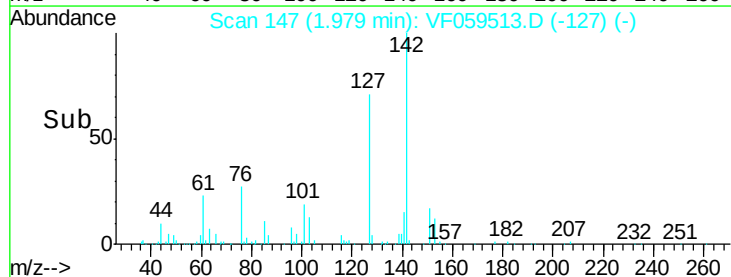
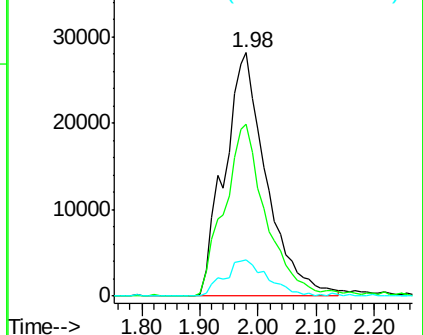
141 15.0 12.0 18.0

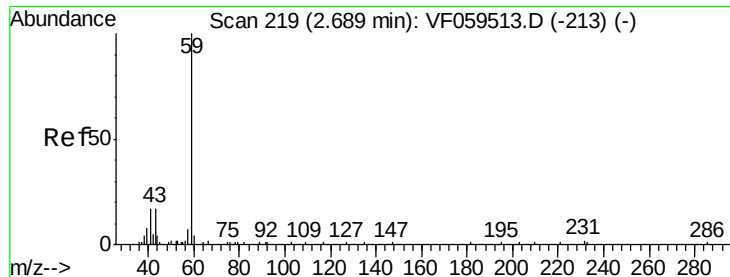


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



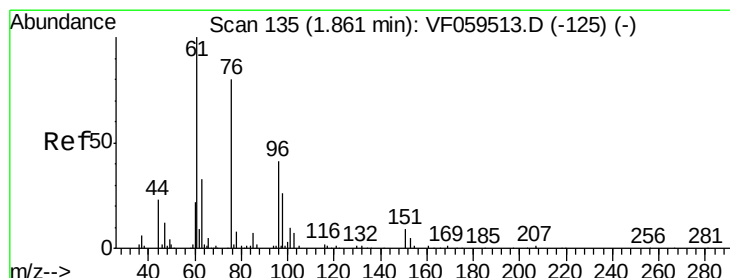
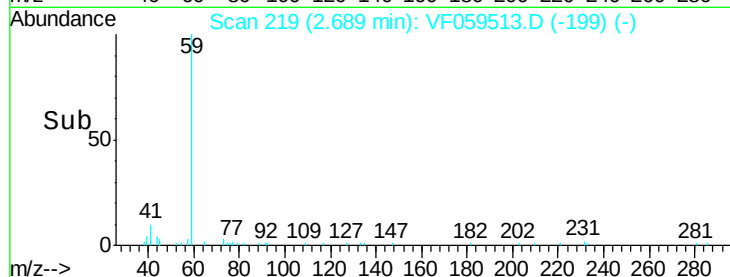
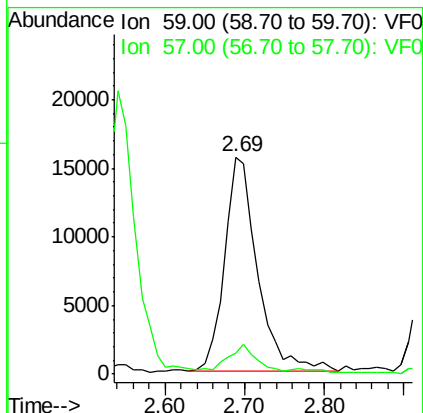
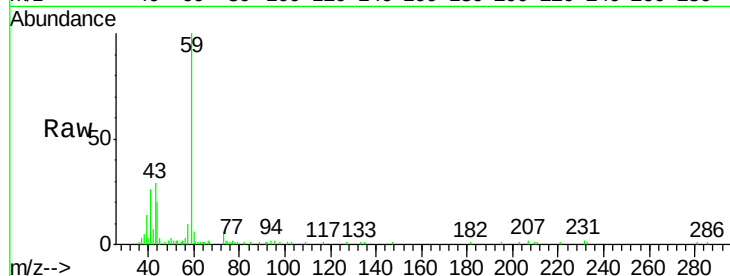


#11

Tert butyl alcohol
Concen: 253.166 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

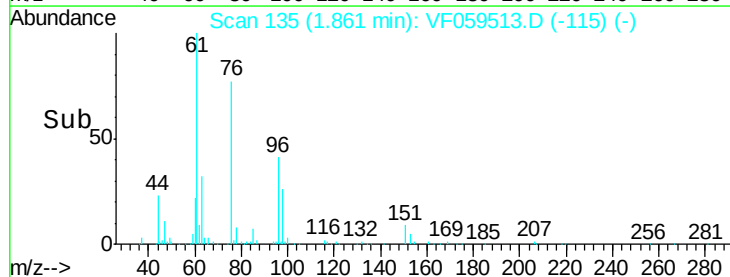
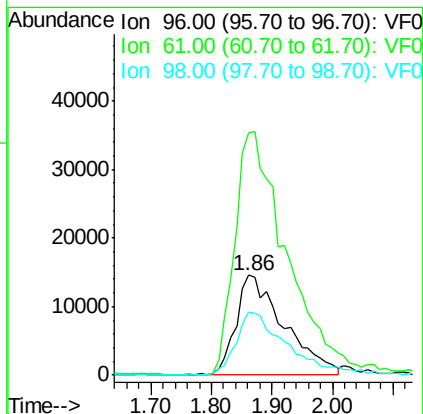
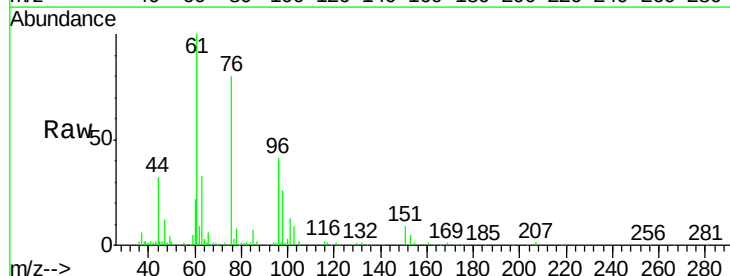
Tot Ion: 59 Resp: 45777
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5

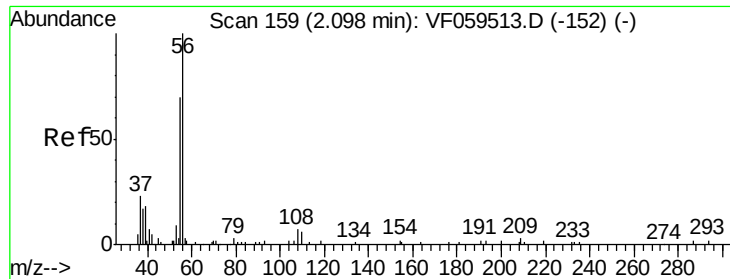


#12

1,1-Dichloroethene
Concen: 44.395 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 96 Resp: 80698
Ion Ratio Lower Upper
96 100
61 242.9 194.3 291.5
98 62.9 50.3 75.5

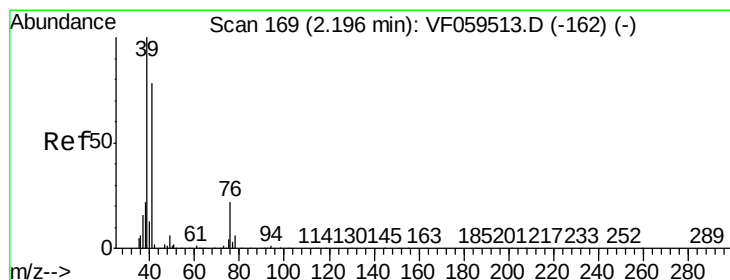
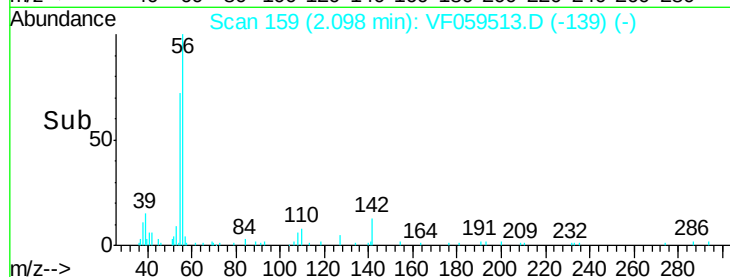
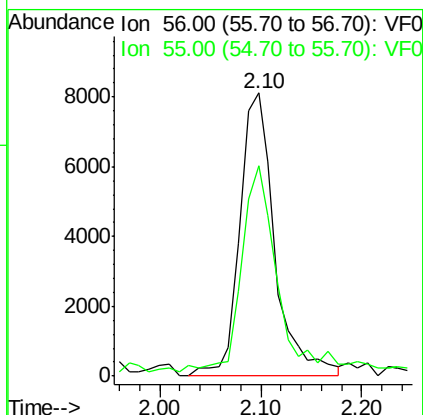
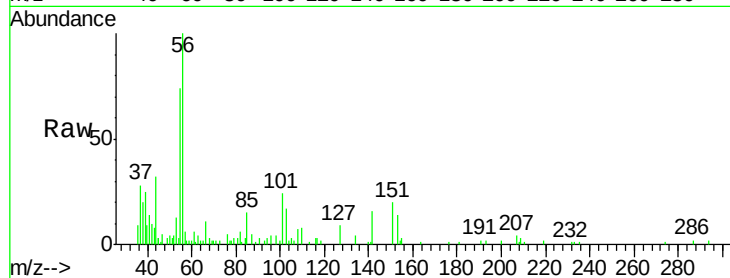




#13
Acrolein
Concen: 194.358 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

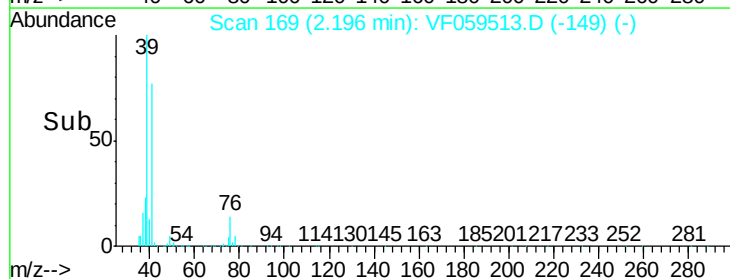
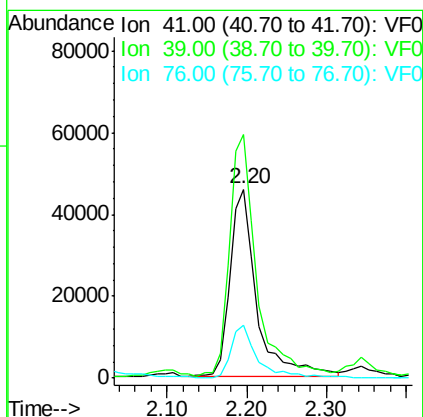
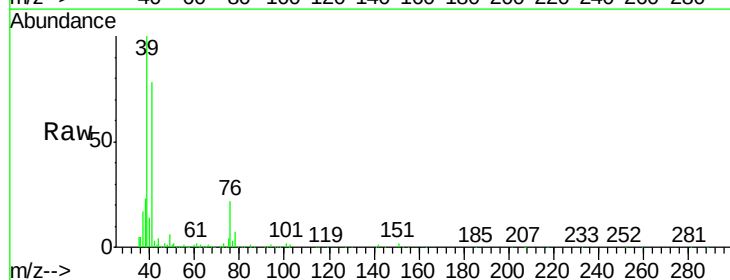
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

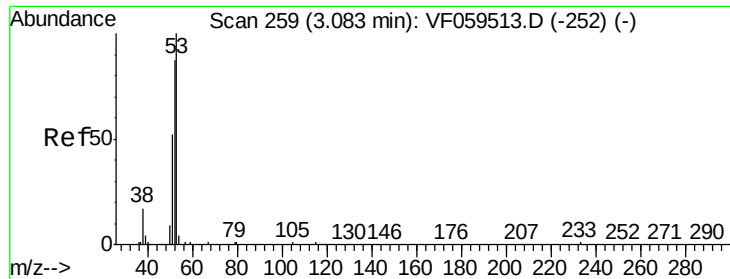
Tot Ion: 56 Resp: 19634
Ion Ratio Lower Upper
56 100
55 74.3 59.4 89.2



#14
Allyl chloride
Concen: 44.765 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 41 Resp: 106718
Ion Ratio Lower Upper
41 100
39 128.7 103.0 154.4
76 28.3 22.6 34.0





#15

Acrylonitrile

Concen: 252.347 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

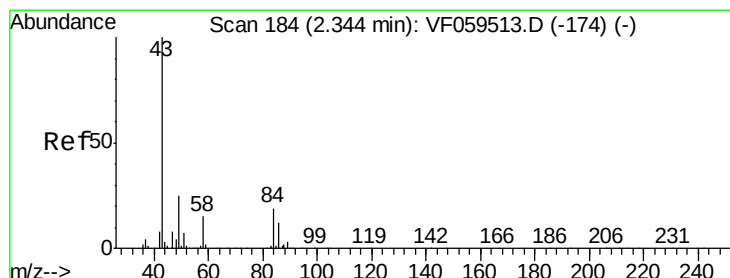
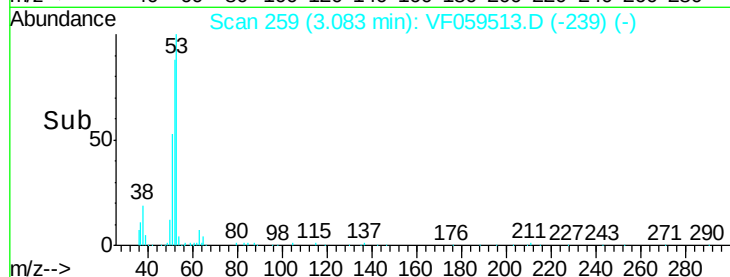
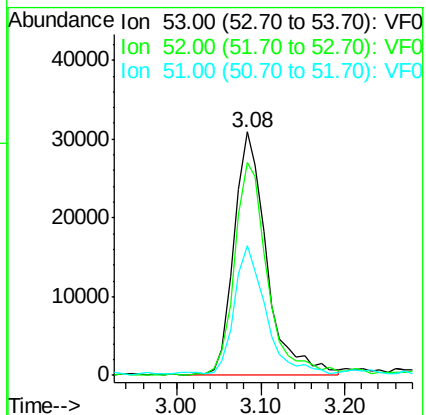
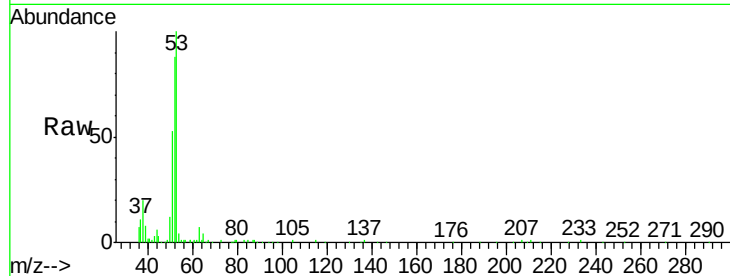
Tot Ion: 53 Resp: 84203

Ion Ratio Lower Upper

53 100

52 87.6 70.1 105.1

51 53.1 42.5 63.7



#16

Acetone

Concen: 260.972 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059513.D

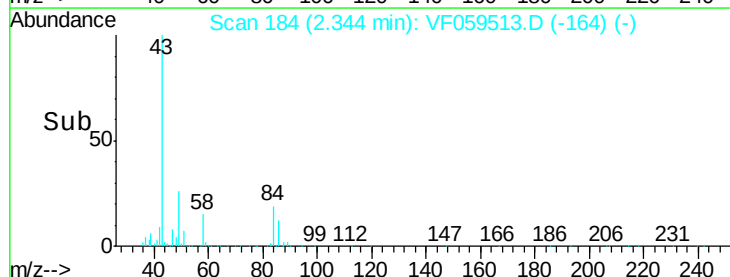
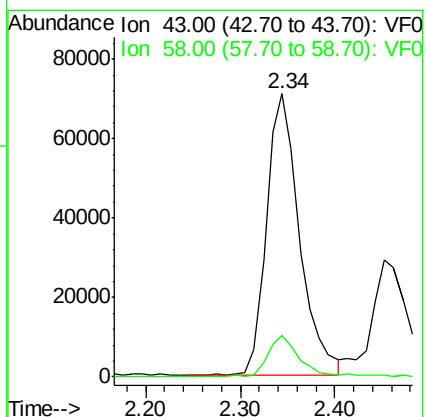
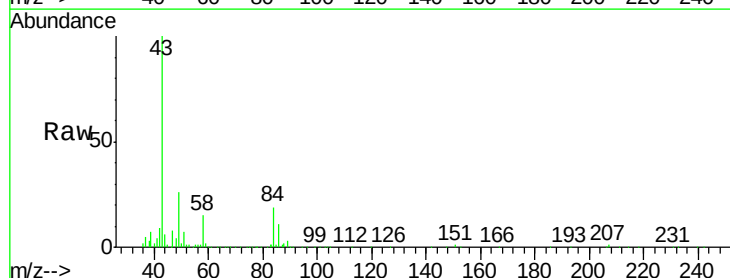
Acq: 17 Jul 2018 18:01

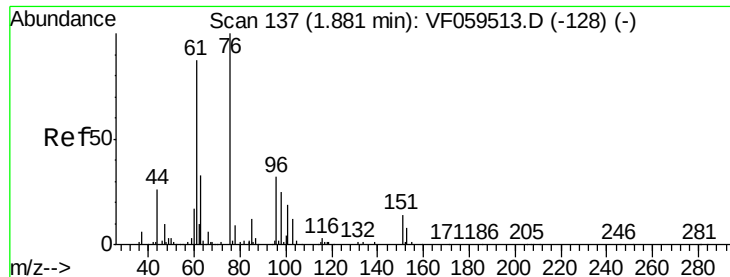
Tgt Ion: 43 Resp: 172811

Ion Ratio Lower Upper

43 100

58 14.7 11.8 17.6

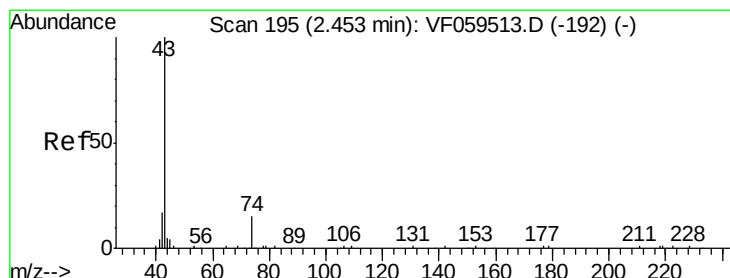
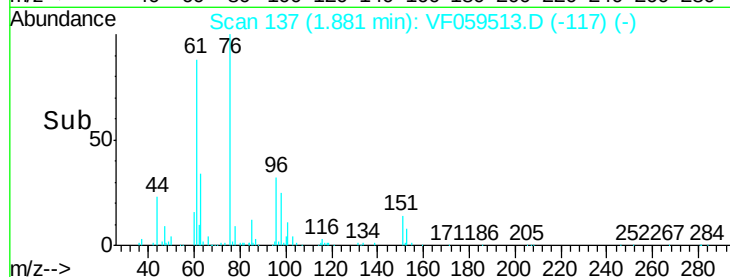
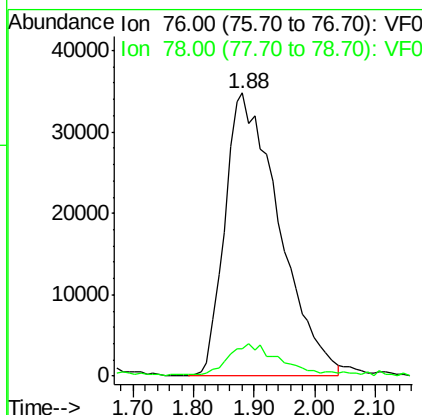
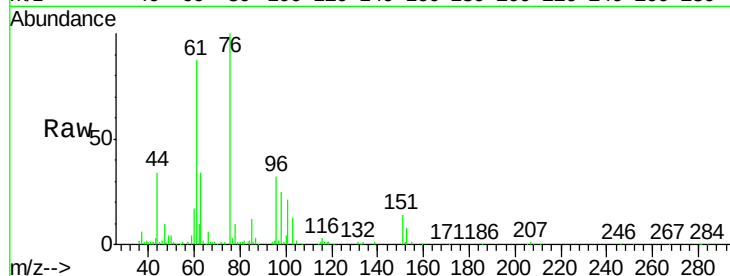




#17
Carbon Disulfide
Concen: 43.863 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

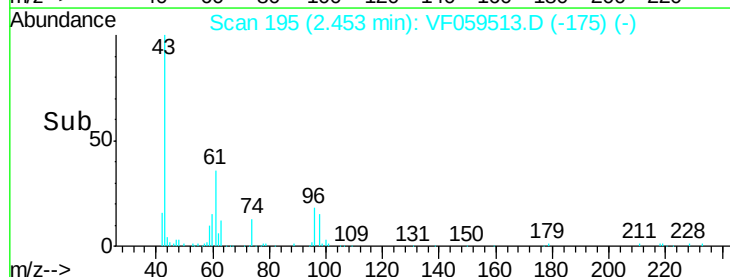
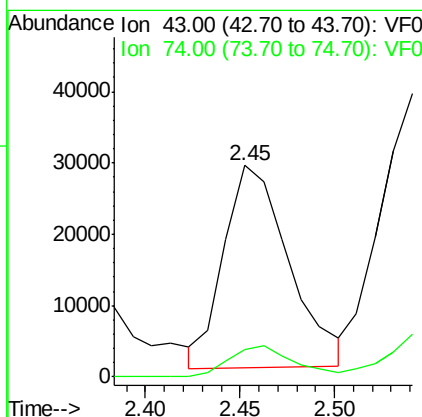
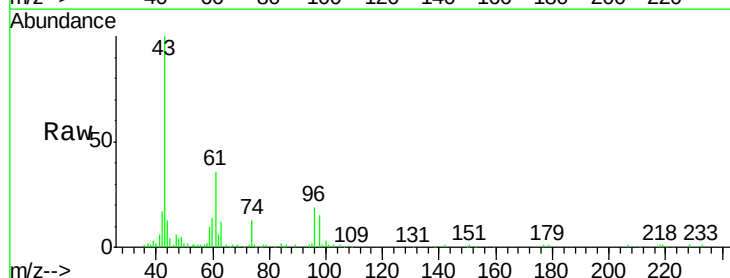
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

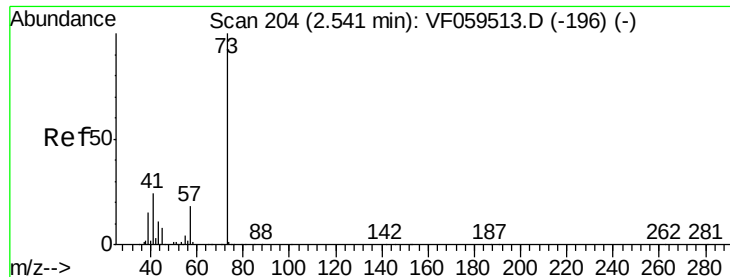
Tot Ion: 76 Resp: 216420
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.6



#18
Methyl Acetate
Concen: 49.967 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 43 Resp: 67934
Ion Ratio Lower Upper
43 100
74 13.2 10.6 15.8



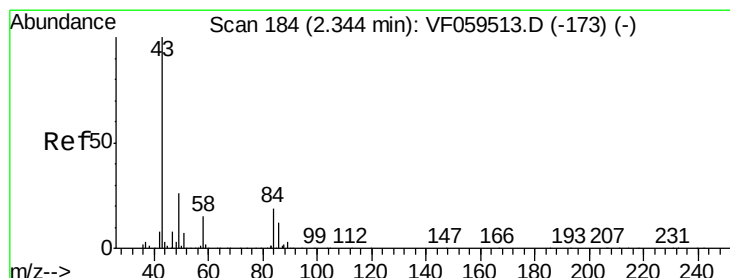
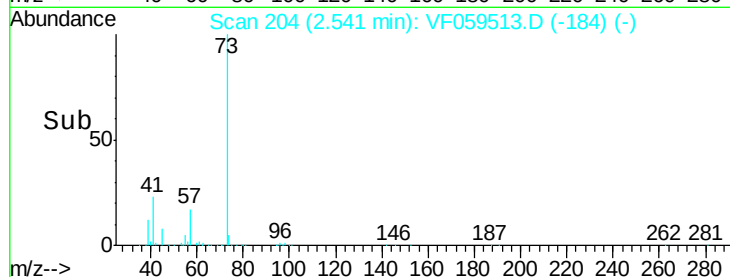
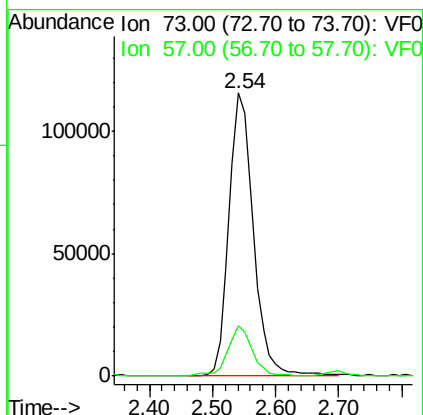
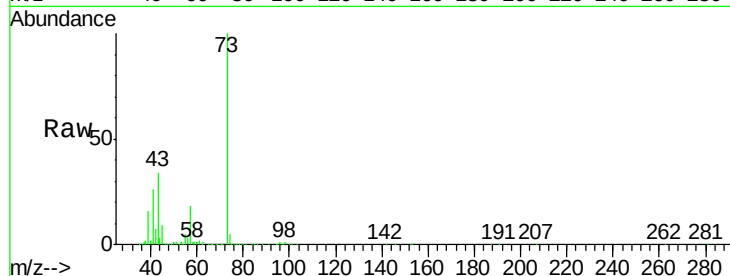


#19

Methyl tert-butyl Ether
 Concen: 51.741 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

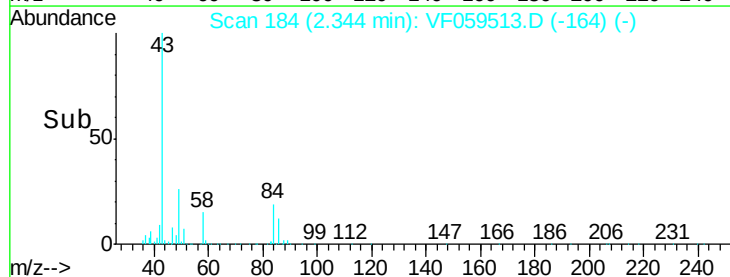
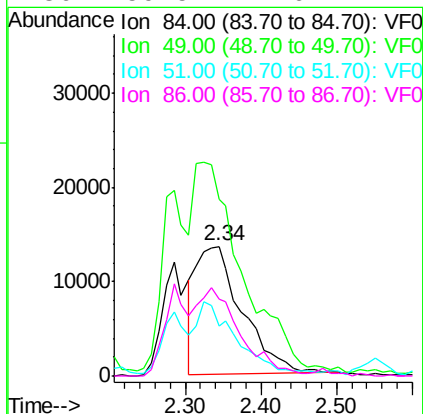
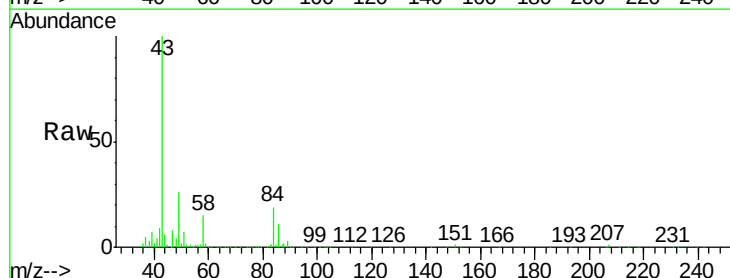
Tot Ion: 73 Resp: 307612
 Ion Ratio Lower Upper
 73 100
 57 17.9 14.3 21.5

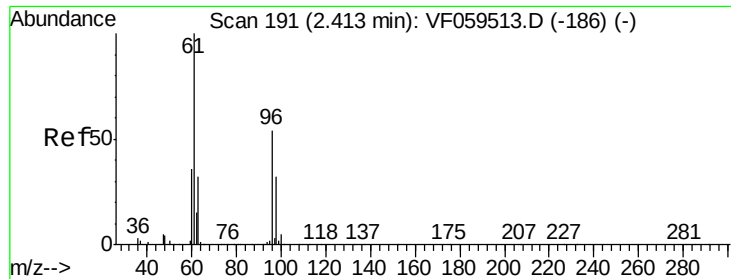


#20

Methylene Chloride
 Concen: 24.273 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion: 84 Resp: 57545
 Ion Ratio Lower Upper
 84 100
 49 136.8 109.4 164.2
 51 38.1 30.5 45.7
 86 59.5 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 49.315 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

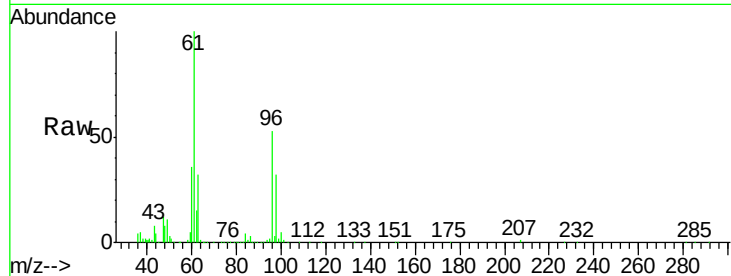
Tot Ion: 96 Resp: 81659

Ion Ratio Lower Upper

96 100

61 187.3 149.8 224.8

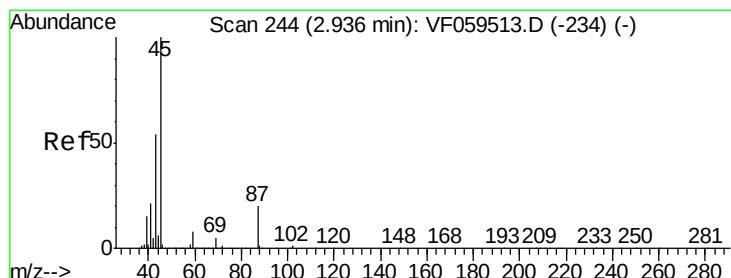
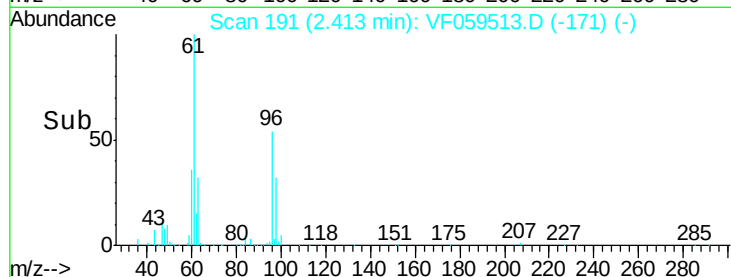
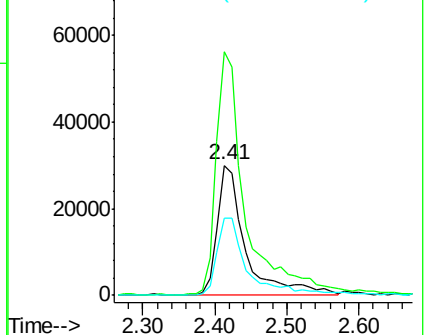
98 59.8 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 49.514 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion: 45 Resp: 338392

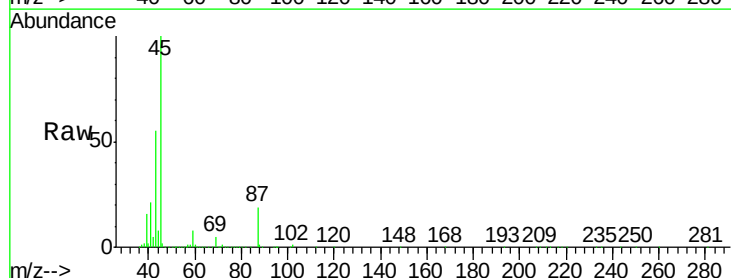
Ion Ratio Lower Upper

45 100

43 54.5 43.6 65.4

87 19.5 15.6 23.4

59 8.0 6.4 9.6

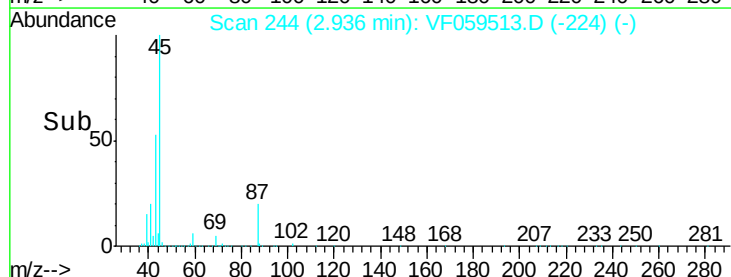
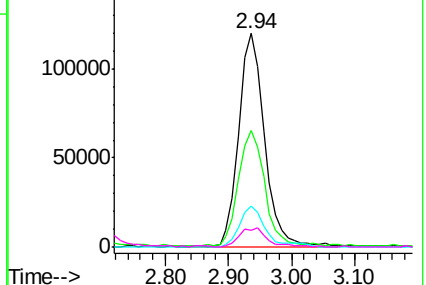


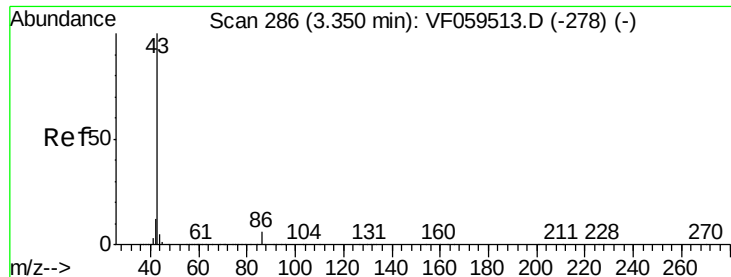
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 246.594 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

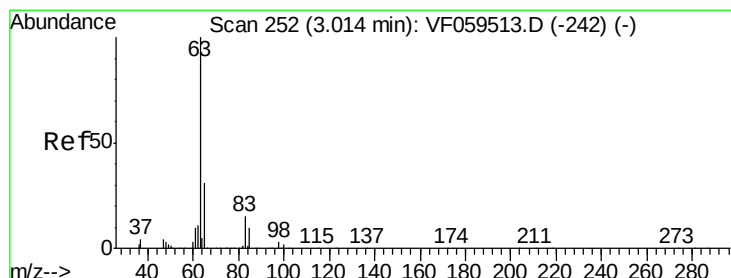
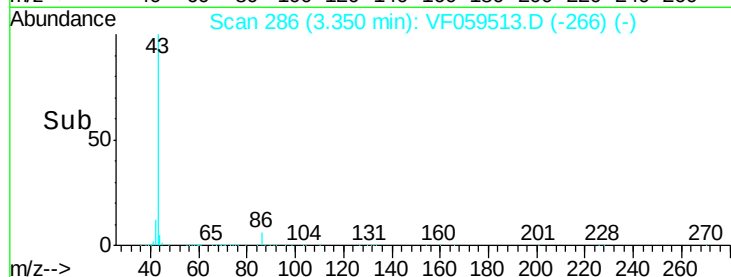
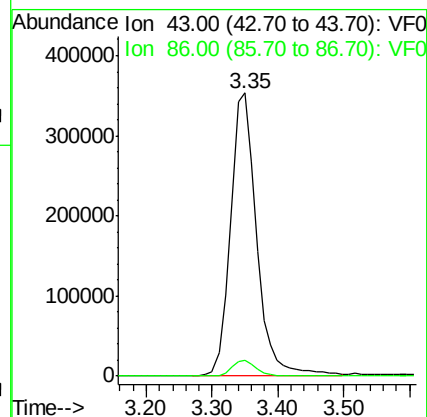
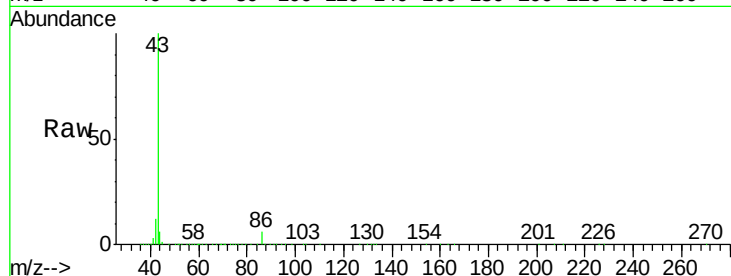
VSTDICCC050

Tot Ion: 43 Resp: 979357

Ion Ratio Lower Upper

43 100

86 5.5 4.4 6.6



#24

1,1-Dichloroethane

Concen: 50.867 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

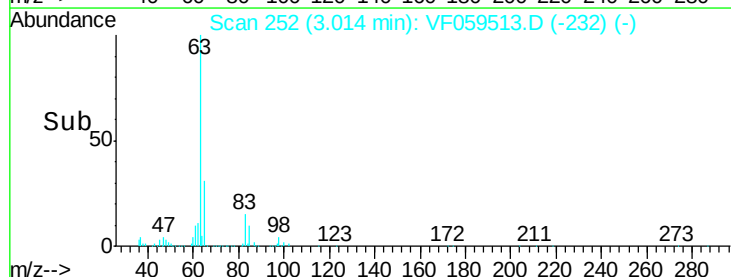
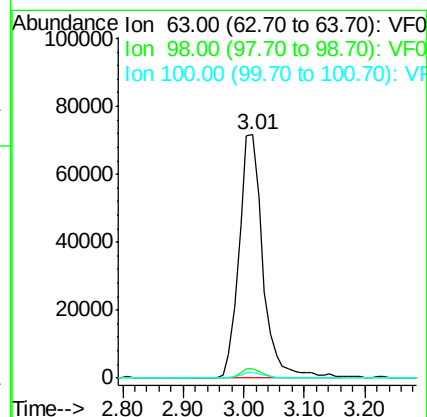
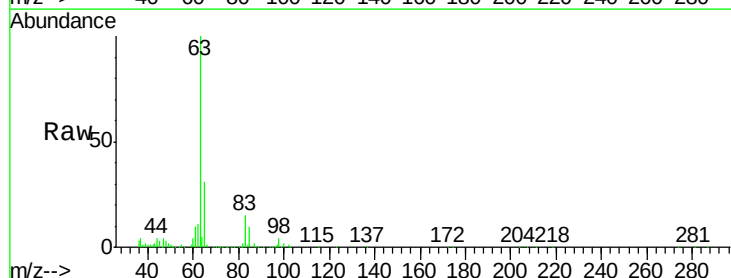
Tgt Ion: 63 Resp: 197351

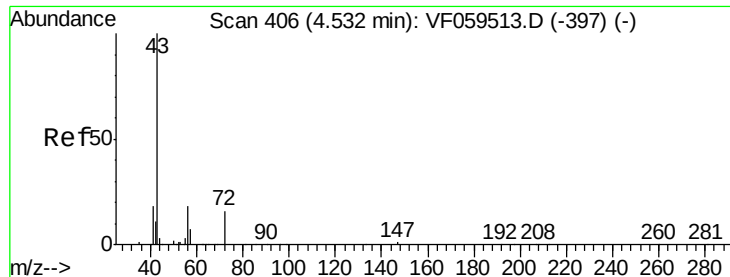
Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.5 1.3 3.8





#25

2-Butanone

Concen: 247.198 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

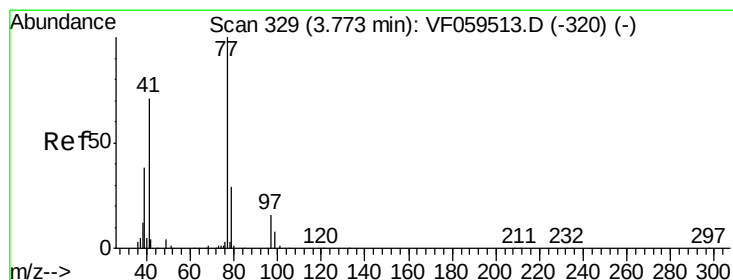
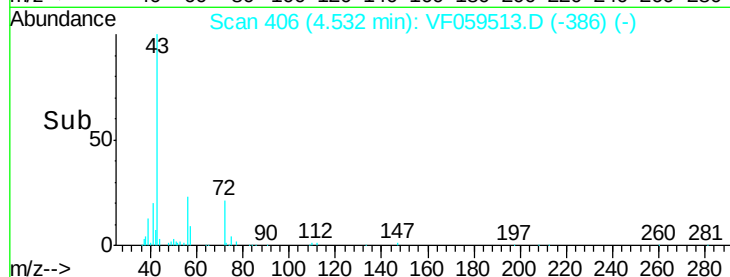
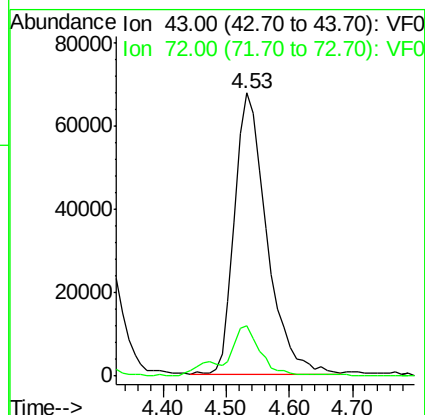
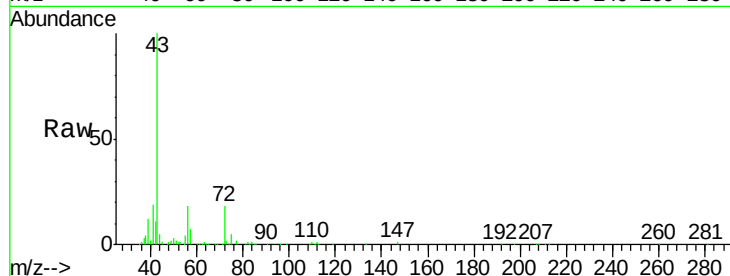
VSTDICCC050

Tot Ion: 43 Resp: 237933

Ion Ratio Lower Upper

43 100

72 17.8 14.2 21.4



#26

2,2-Dichloropropane

Concen: 51.994 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059513.D

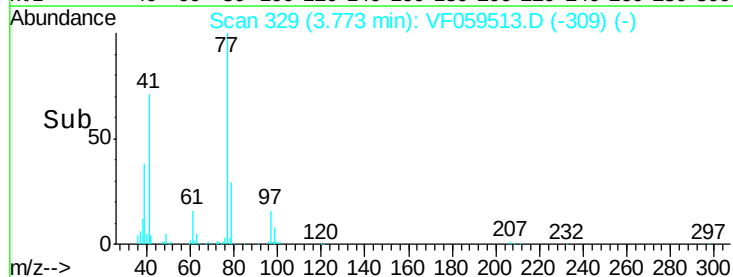
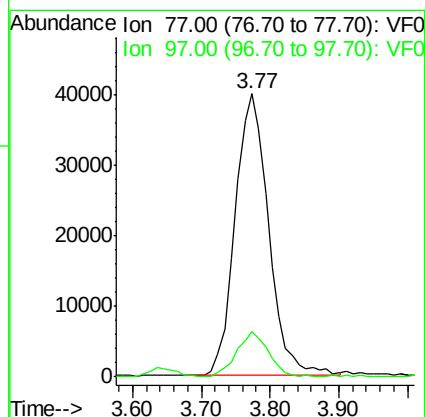
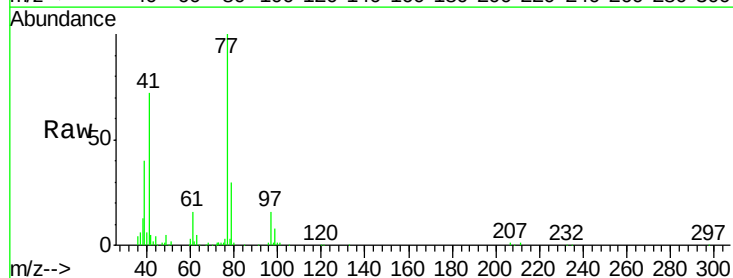
Acq: 17 Jul 2018 18:01

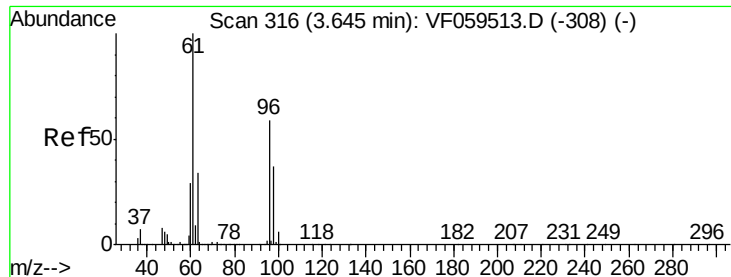
Tgt Ion: 77 Resp: 135381

Ion Ratio Lower Upper

77 100

97 16.2 8.1 24.3



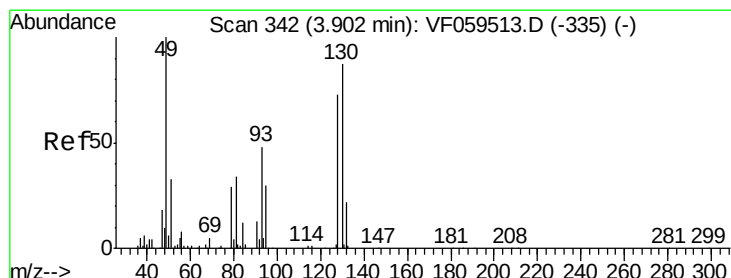
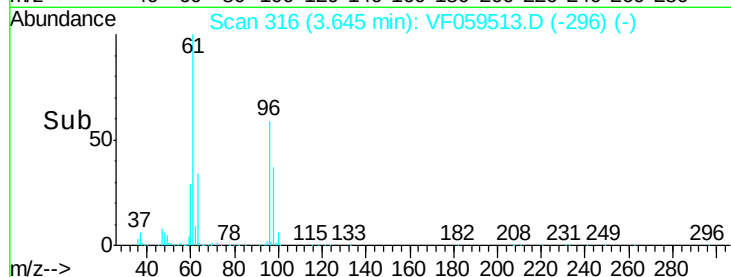
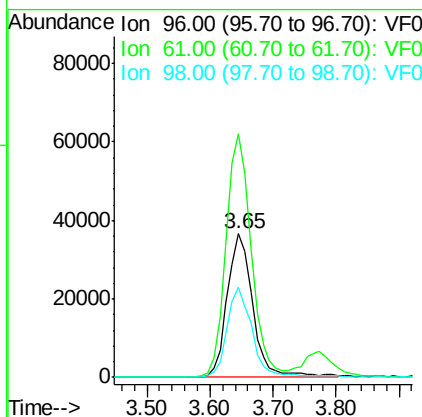
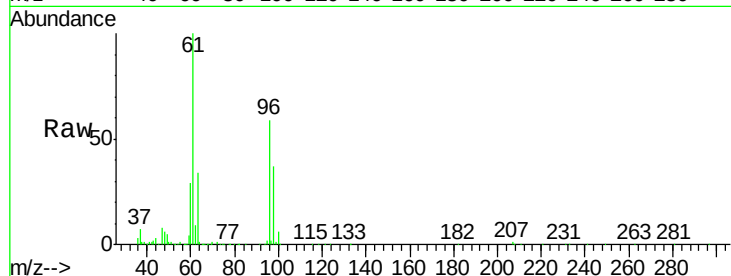


#27

cis-1,2-Dichloroethene
Concen: 45.828 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

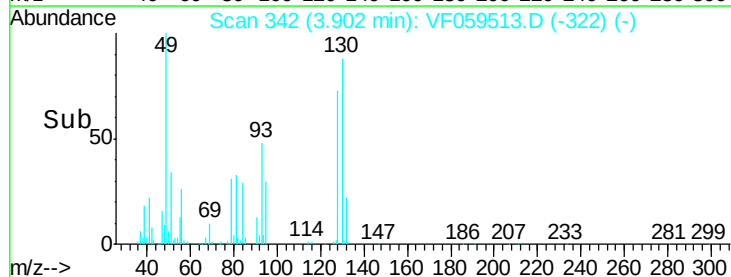
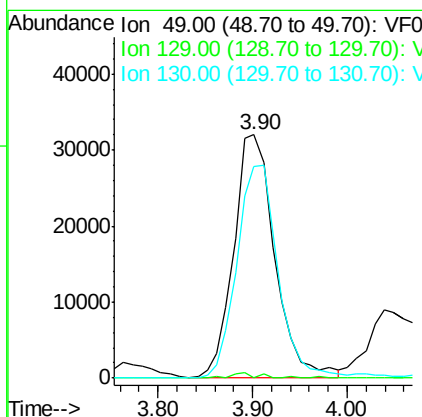
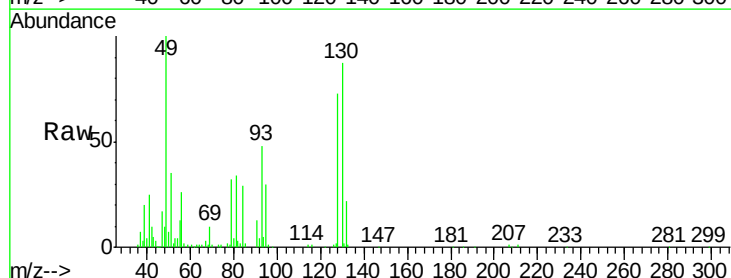
Tot Ion	Ratio	Lower	Upper
96	100		
61	169.5	0.0	339.0
98	62.7	0.0	125.4

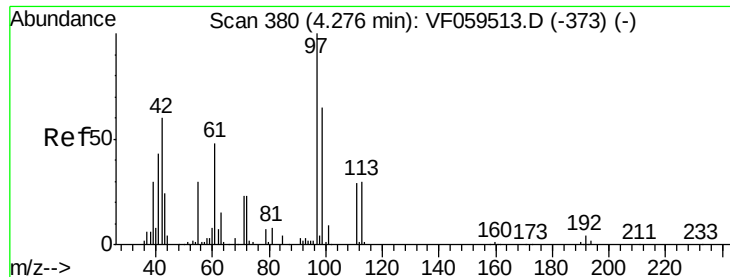


#28

Bromochloromethane
Concen: 53.891 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	87.2	69.8	104.6





#29

Tetrahydrofuran

Concen: 248.333 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

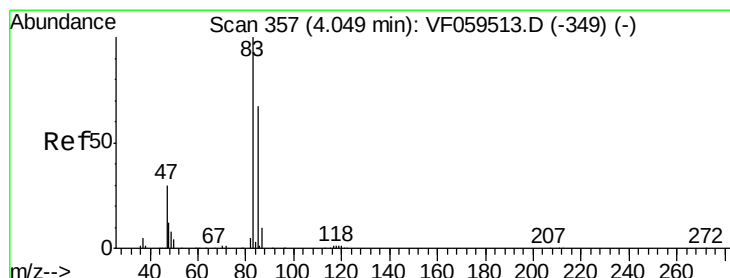
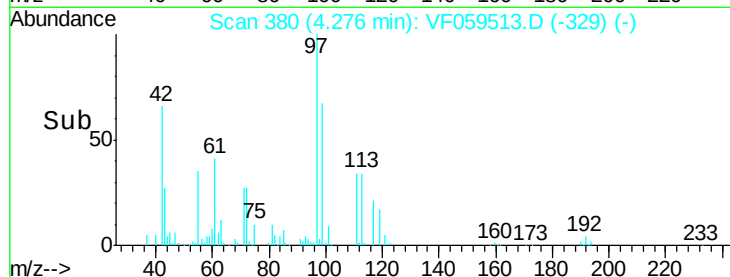
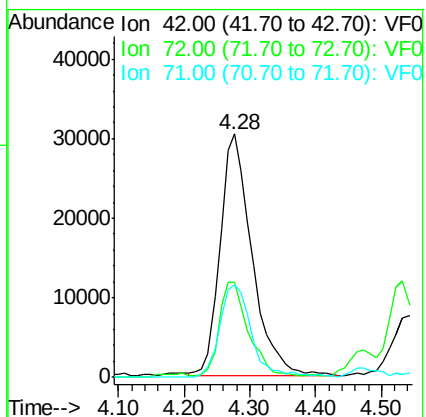
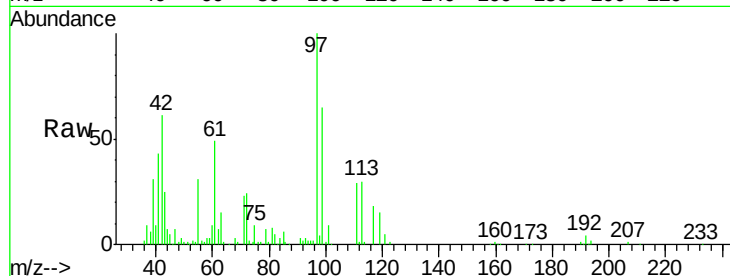
Tot Ion: 42 Resp: 102674

Ion Ratio Lower Upper

42 100

72 35.9 28.7 43.1

71 38.5 30.8 46.2



#30

Chloroform

Concen: 50.341 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF059513.D

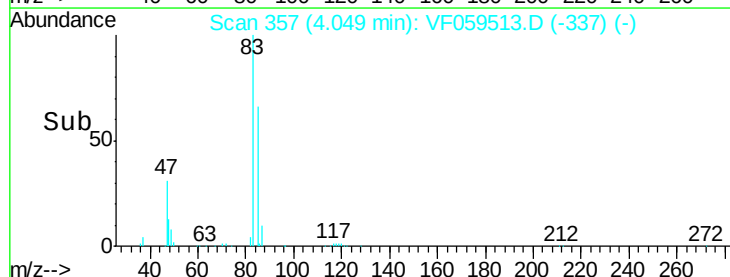
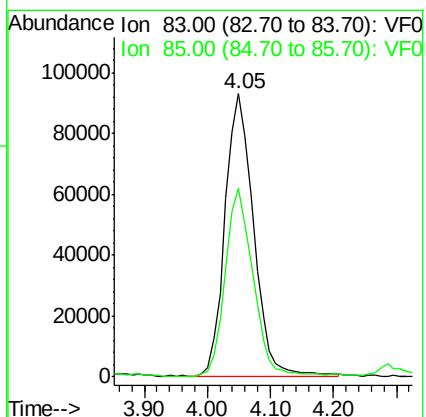
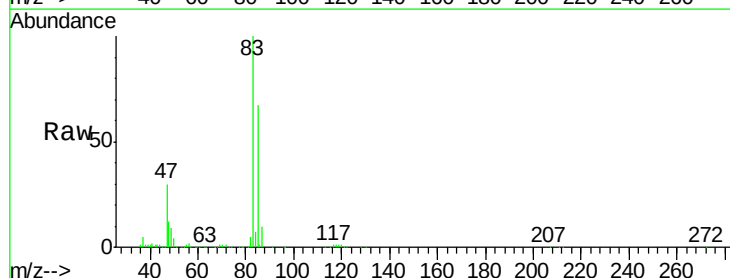
Acq: 17 Jul 2018 18:01

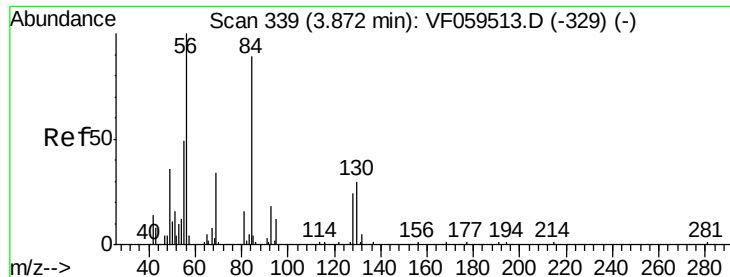
Tgt Ion: 83 Resp: 293347

Ion Ratio Lower Upper

83 100

85 66.5 53.2 79.8

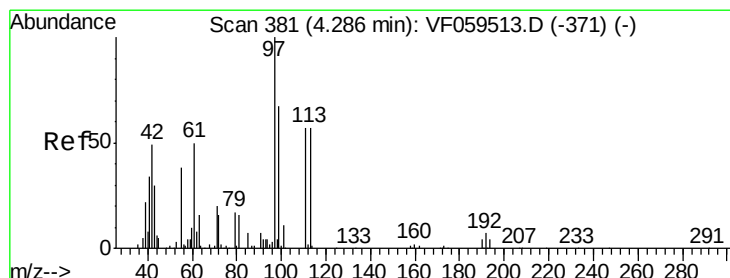
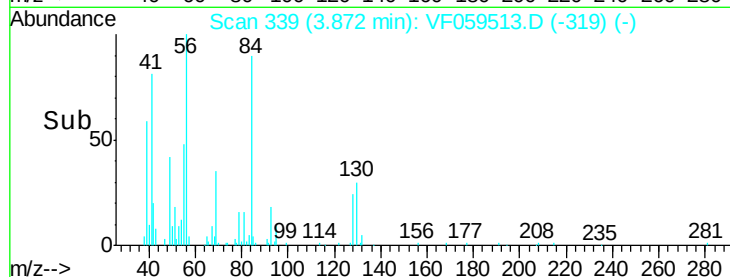
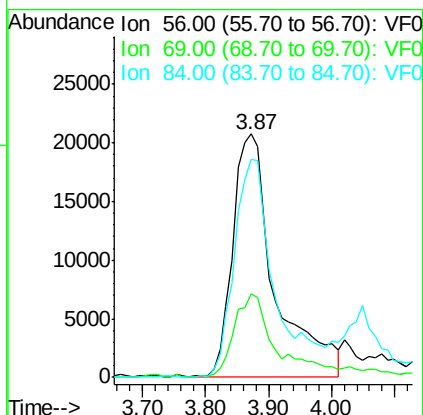
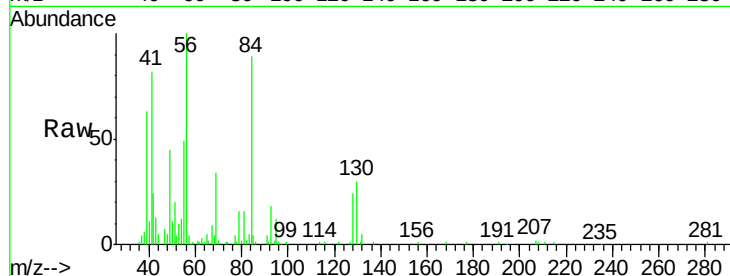




#31
Cyclohexane
Concen: 43.982 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

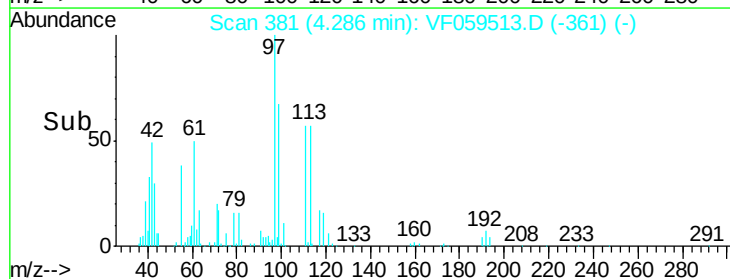
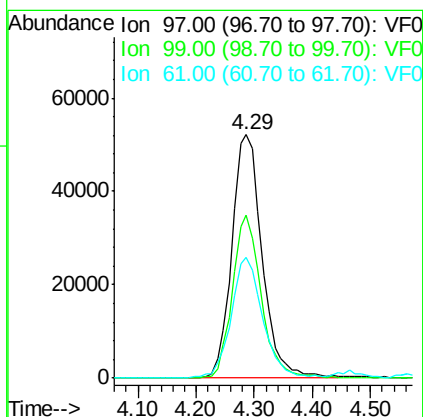
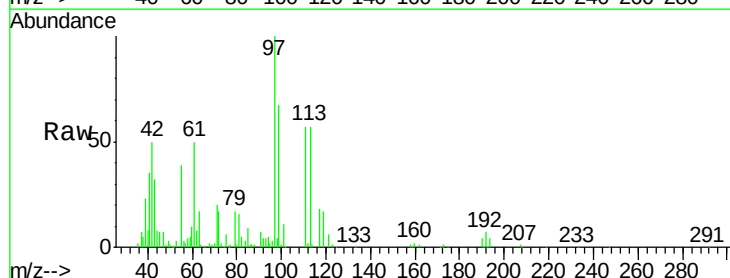
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

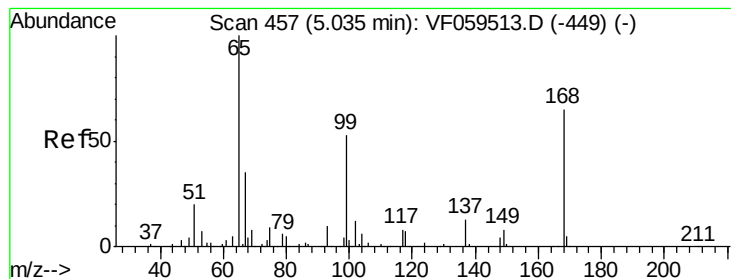
Tot Ion: 56 Resp: 96379
Ion Ratio Lower Upper
56 100
69 34.5 27.6 41.4
84 89.3 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 46.498 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 97 Resp: 187952
Ion Ratio Lower Upper
97 100
99 66.9 53.5 80.3
61 49.6 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 51.756 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

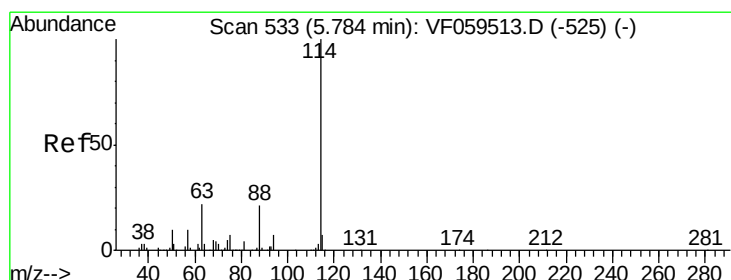
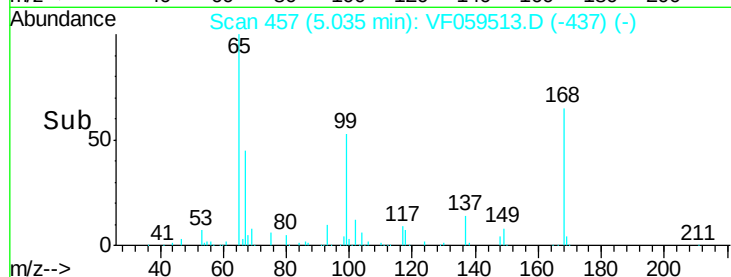
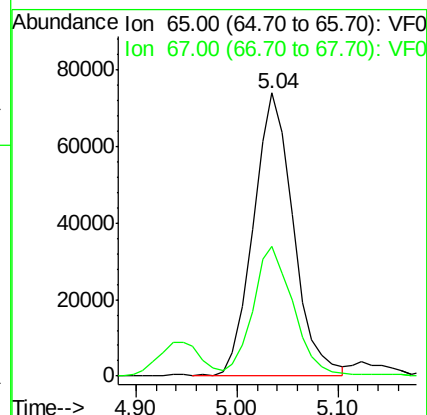
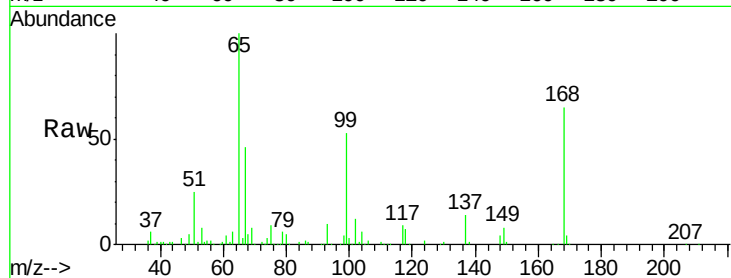
VSTDICCC050

Tot Ion: 65 Resp: 201775

Ion Ratio Lower Upper

65 100

67 45.6 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

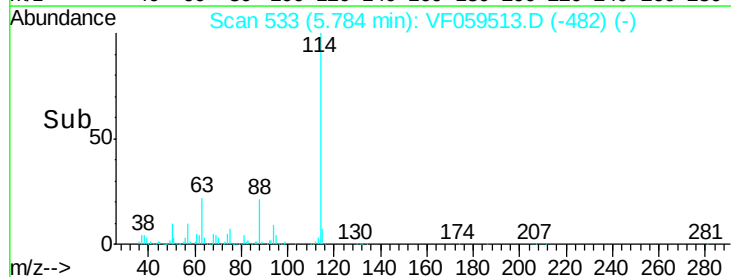
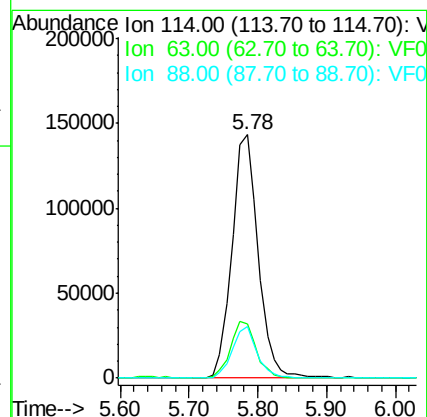
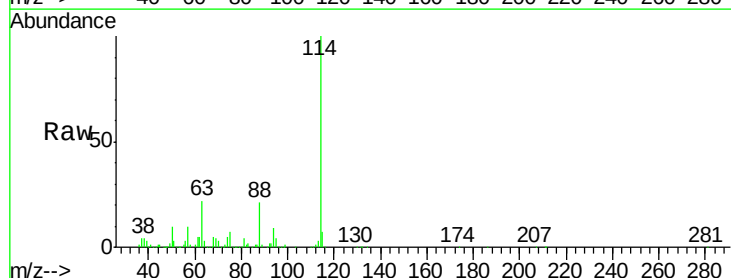
Tgt Ion: 114 Resp: 377722

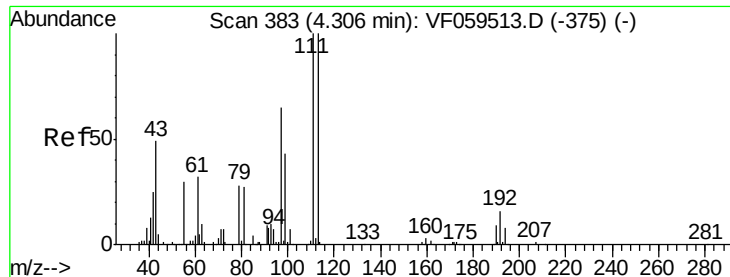
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.8

88 21.3 0.0 42.6





#35

Dibromofluoromethane

Concen: 51.305 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

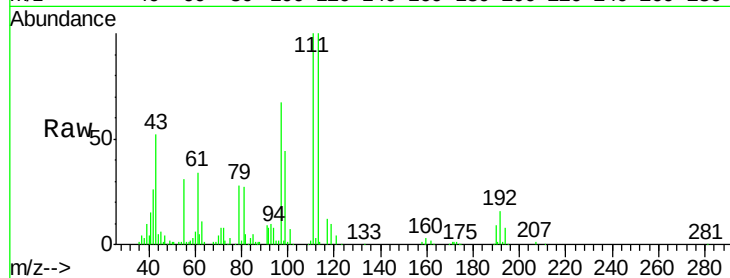
Tot Ion:113 Resp: 168303

Ion Ratio Lower Upper

113 100

111 100.4 80.3 120.5

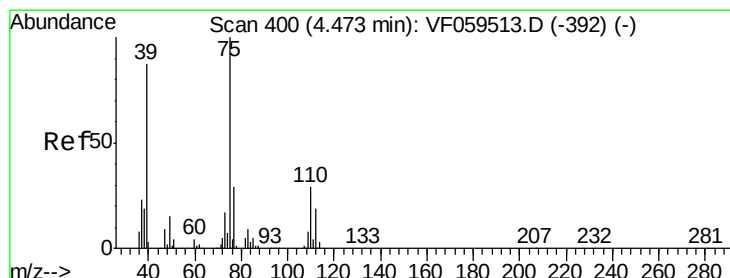
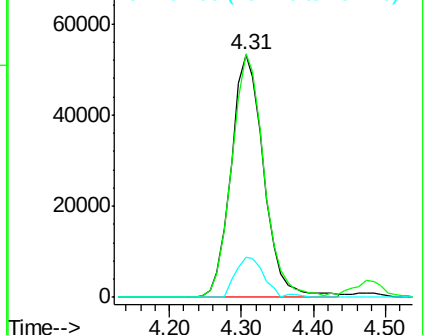
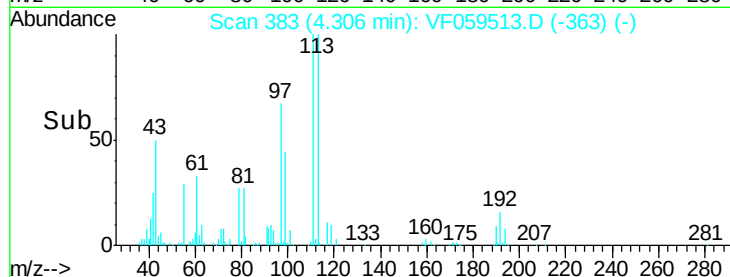
192 16.4 13.1 19.7



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: 46.567 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

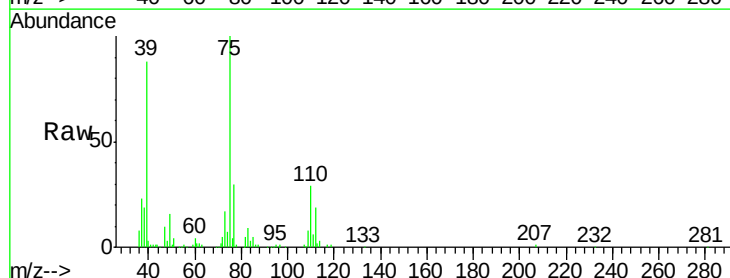
Tgt Ion: 75 Resp: 179124

Ion Ratio Lower Upper

75 100

110 29.2 14.6 43.8

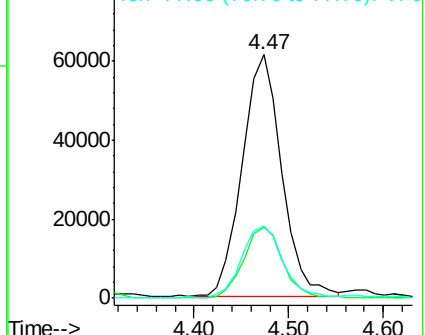
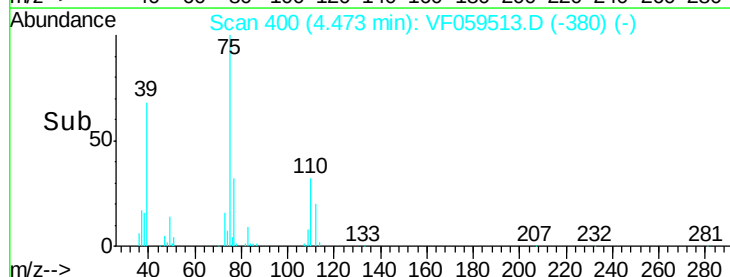
77 29.6 23.7 35.5

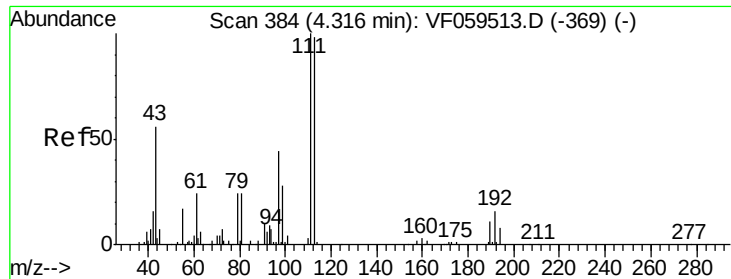


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

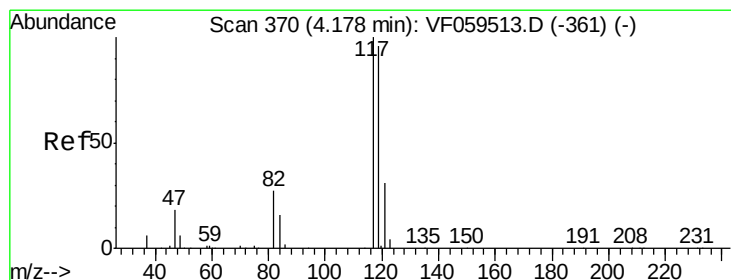
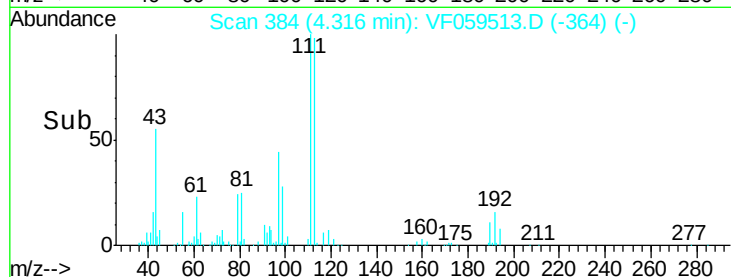
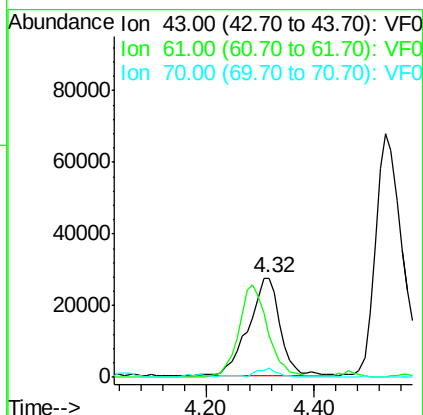
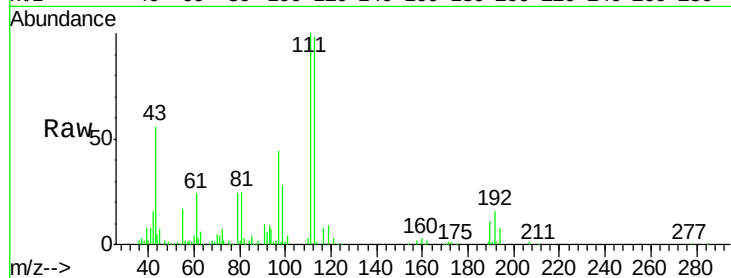




#37
Ethyl Acetate
Concen: 48.033 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

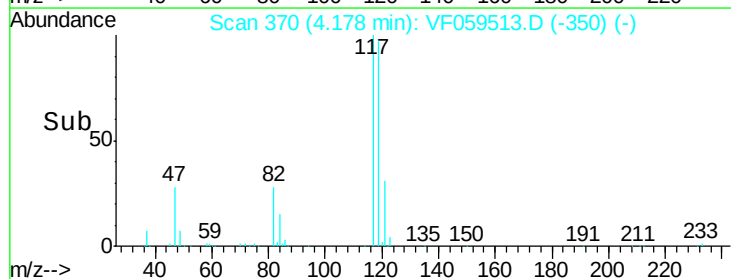
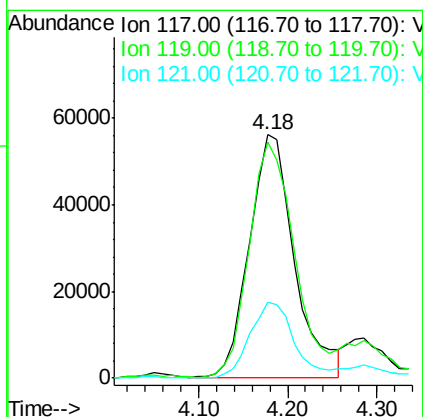
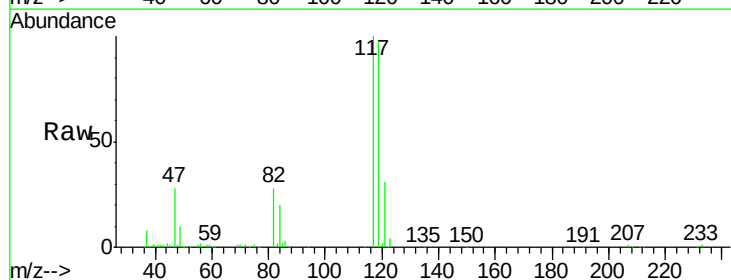
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

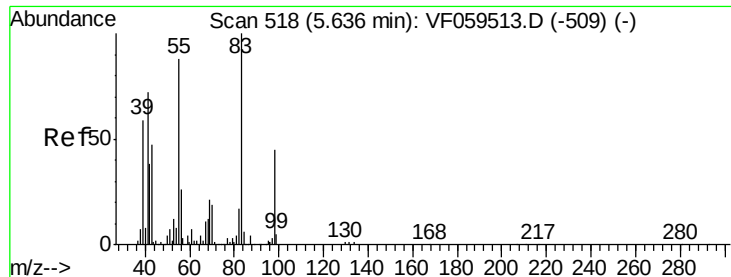
Tot Ion: 43 Resp: 113089
Ion Ratio Lower Upper
43 100
61 42.1 33.7 50.5
70 9.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 44.201 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 117 Resp: 197147
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4
121 31.1 24.9 37.3

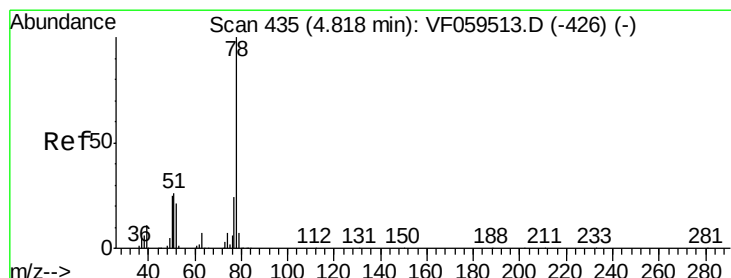
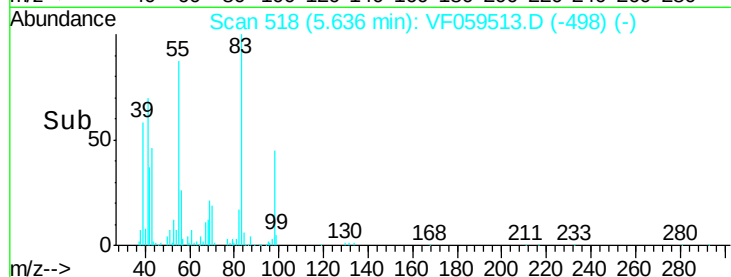
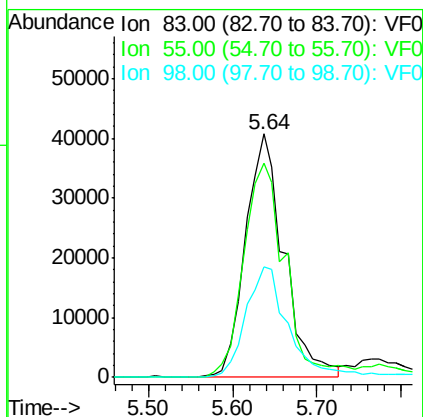
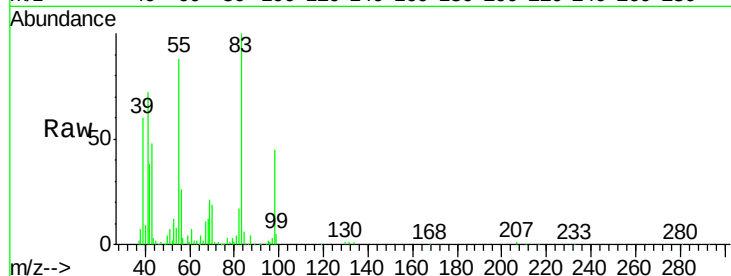




#39
Methylvlcyclohexane
Concen: 45.039 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

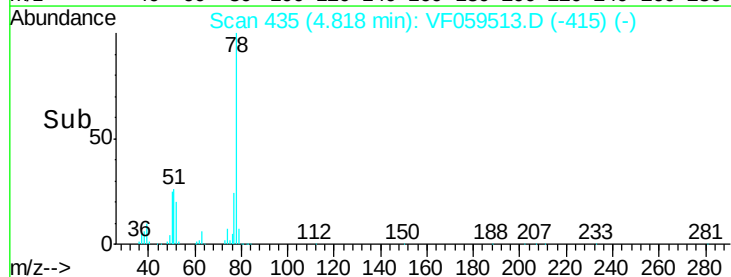
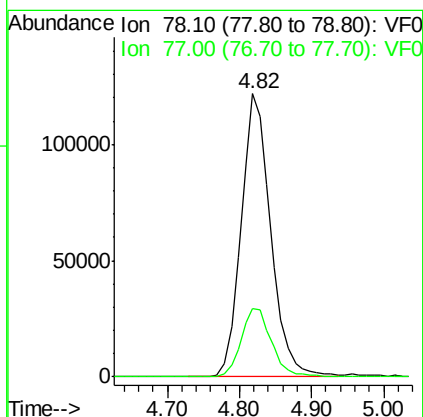
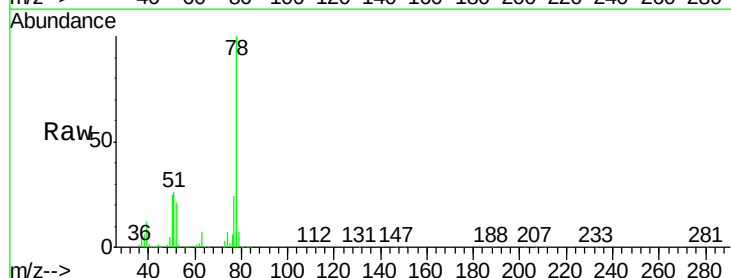
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

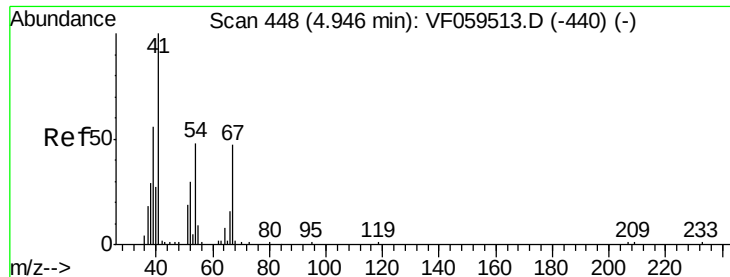
Tot Ion: 83 Resp: 130466
Ion Ratio Lower Upper
83 100
55 87.8 70.2 105.4
98 45.2 36.2 54.2



#40
Benzene
Concen: 46.583 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 78 Resp: 348165
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

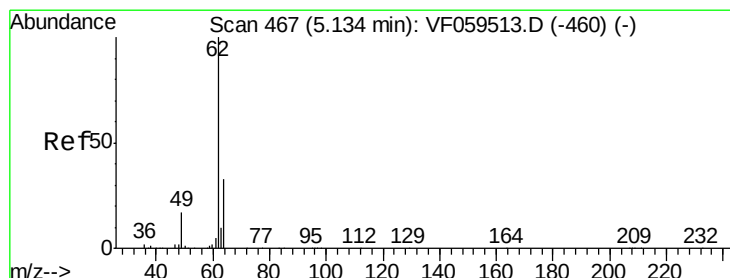
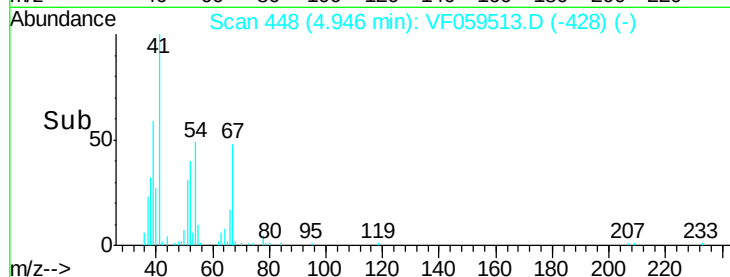
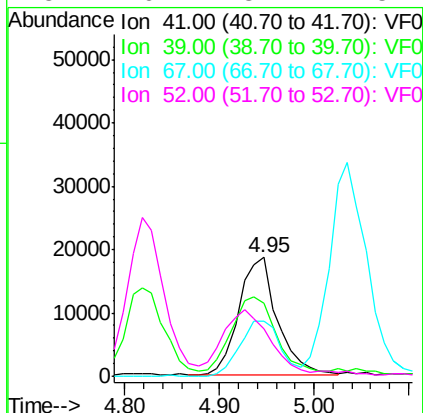
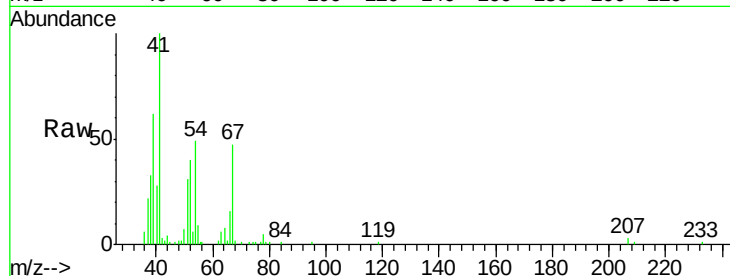




#41
Methacrylonitrile
Concen: 46.034 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

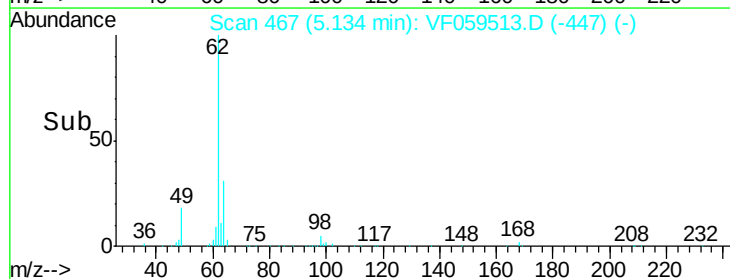
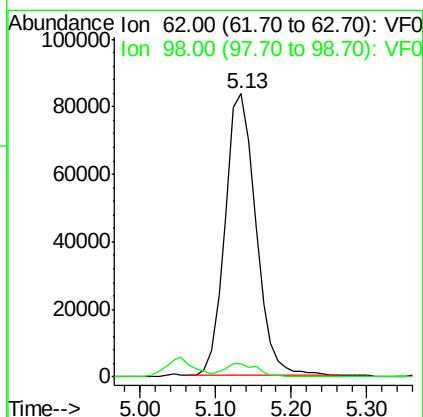
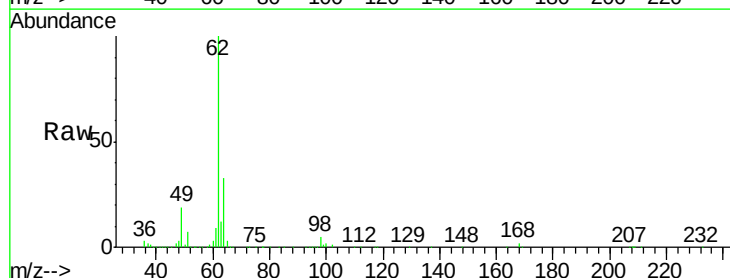
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

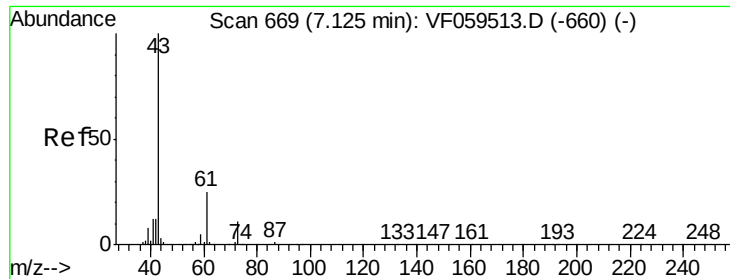
Tot Ion:	41	Resp:	52249
Ion	Ratio	Lower	Upper
41	100		
39	61.7	49.4	74.0
67	46.8	37.4	56.2
52	40.1	32.1	48.1



#42
1,2-Dichloroethane
Concen: 48.966 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion:	62	Resp:	234283
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6





#43

Isopropyl Acetate

Concen: 47.365 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

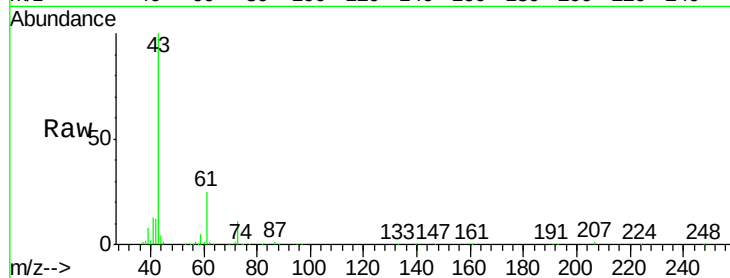
Tot Ion: 43 Resp: 133545

Ion Ratio Lower Upper

43 100

61 25.4 20.3 30.5

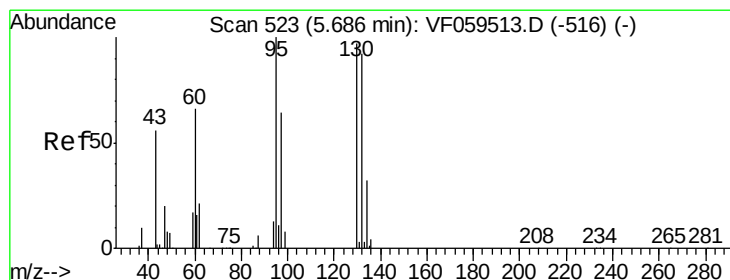
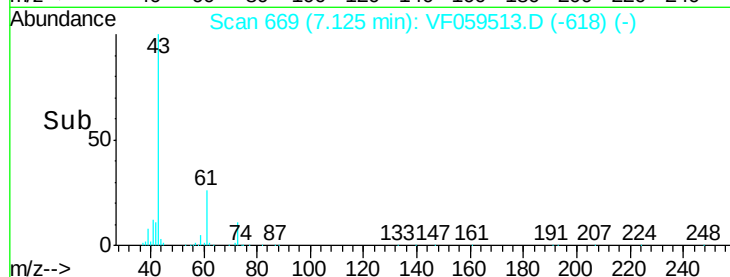
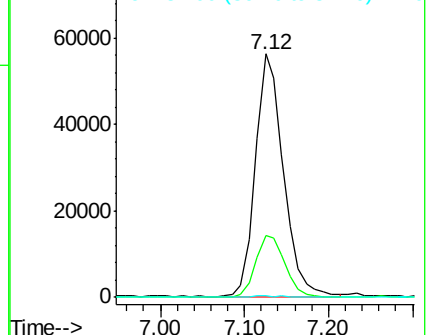
87 0.5 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 47.269 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF059513.D

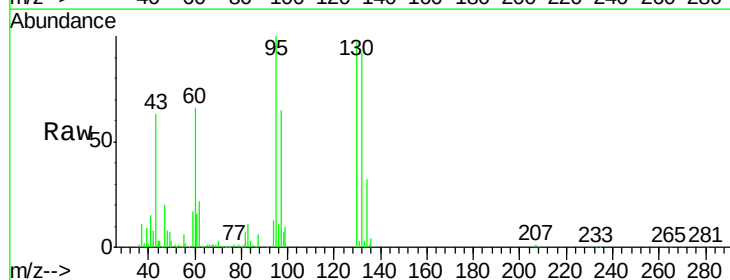
Acq: 17 Jul 2018 18:01

Tgt Ion:130 Resp: 127361

Ion Ratio Lower Upper

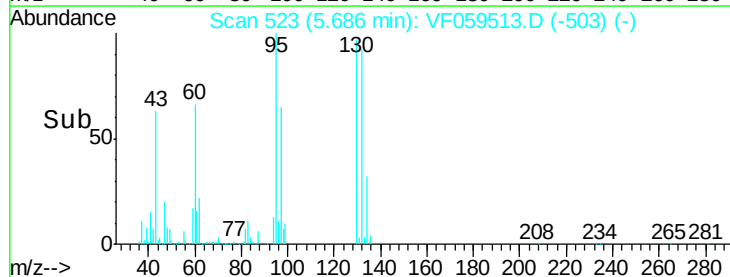
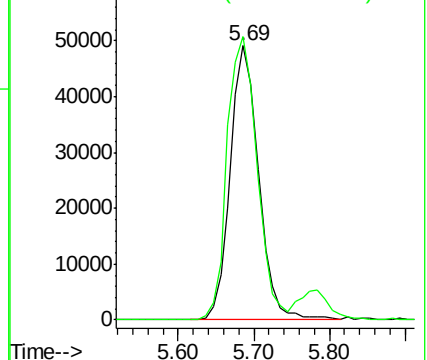
130 100

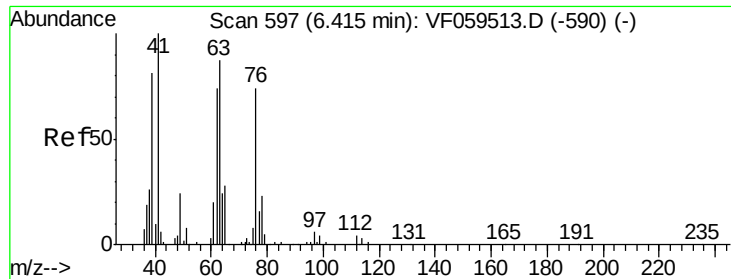
95 103.3 0.0 206.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

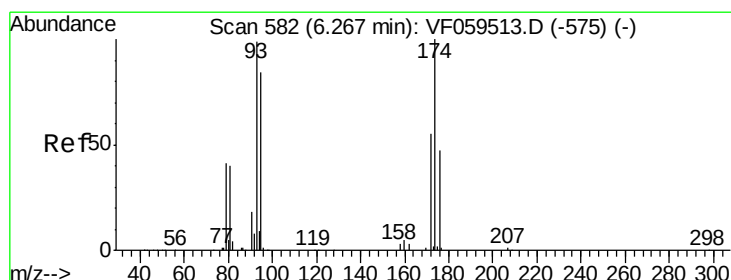
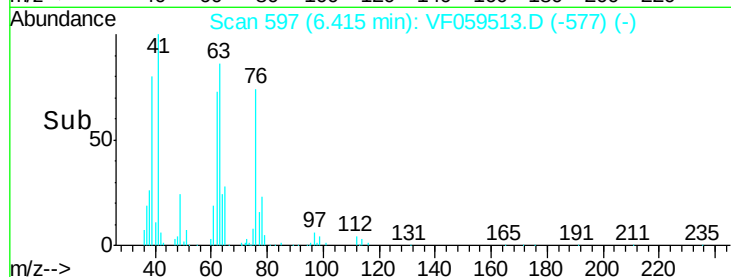
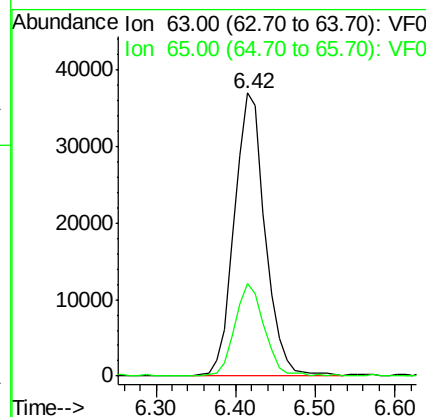
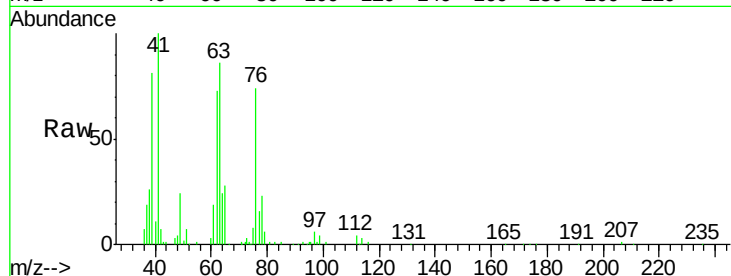




#45
 1,2-Dichloropropane
 Concen: 47.264 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

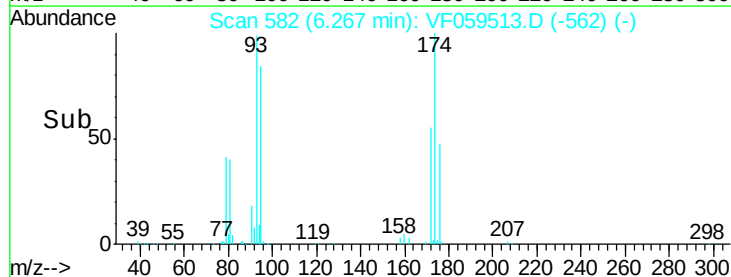
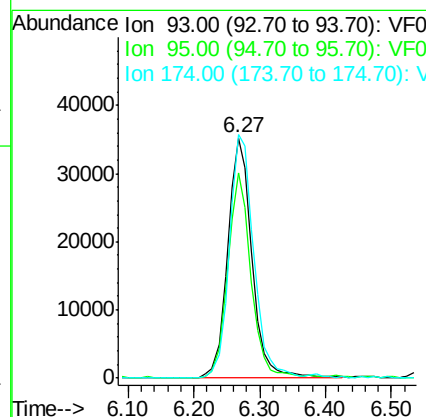
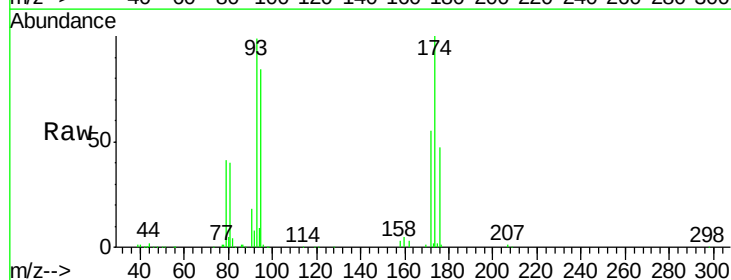
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

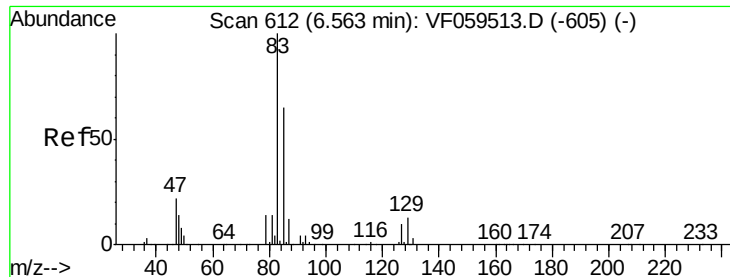
Tot Ion: 63 Resp: 100185
 Ion Ratio Lower Upper
 63 100
 65 32.6 26.1 39.1



#46
 Dibromomethane
 Concen: 48.075 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion: 93 Resp: 91035
 Ion Ratio Lower Upper
 93 100
 95 85.4 68.3 102.5
 174 101.5 81.2 121.8





#47

Bromodichloromethane

Concen: 48.891 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

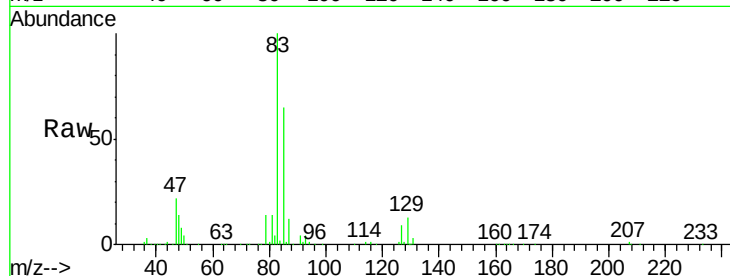
Tot Ion: 83 Resp: 236565

Ion Ratio Lower Upper

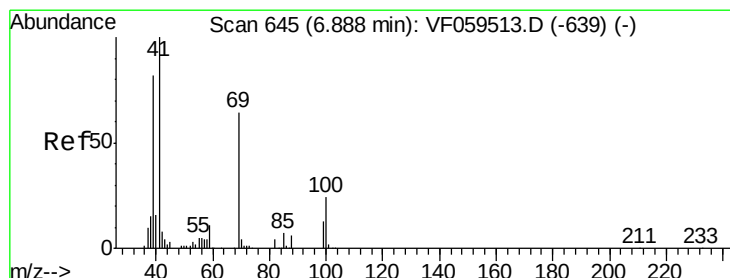
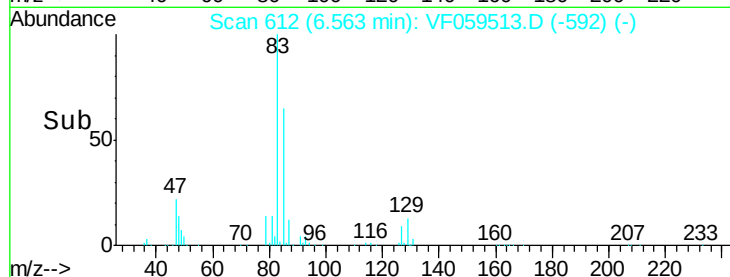
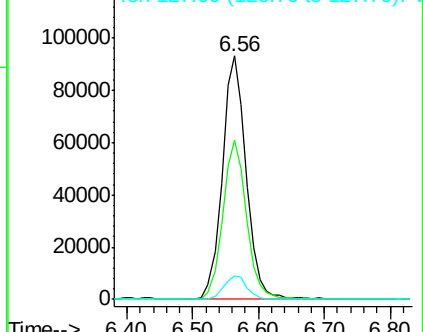
83 100

85 65.5 52.4 78.6

127 10.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 47.993 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

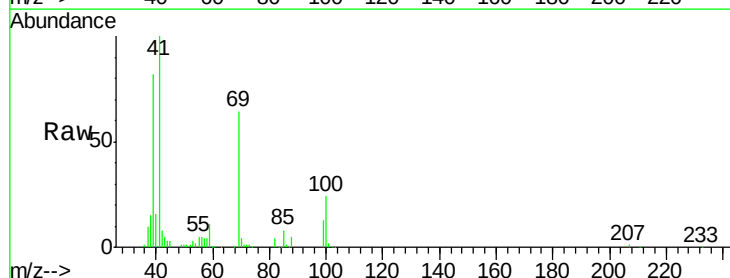
Tgt Ion: 41 Resp: 97518

Ion Ratio Lower Upper

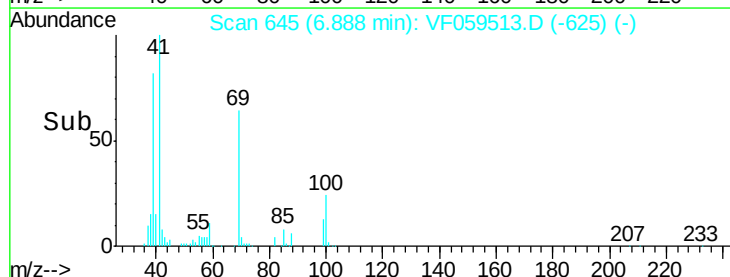
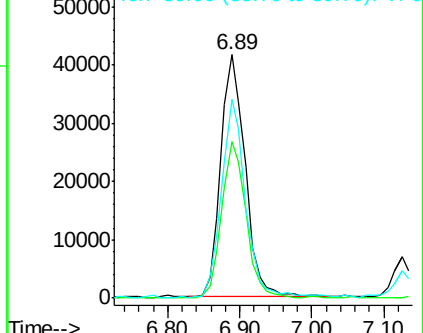
41 100

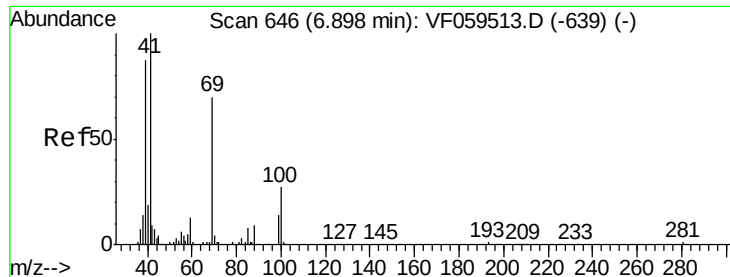
69 64.1 51.3 76.9

39 81.6 65.3 97.9



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 980.121 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

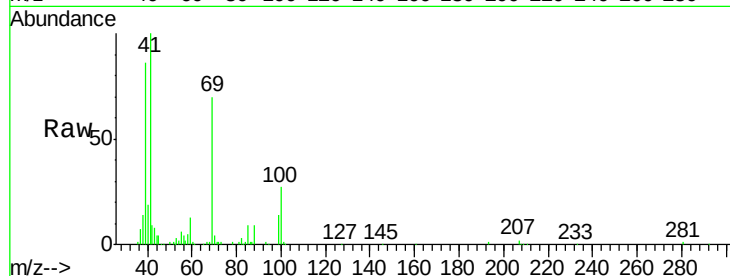
Tot Ion: 88 Resp: 9008

Ion Ratio Lower Upper

88 100

43 81.0 64.8 97.2

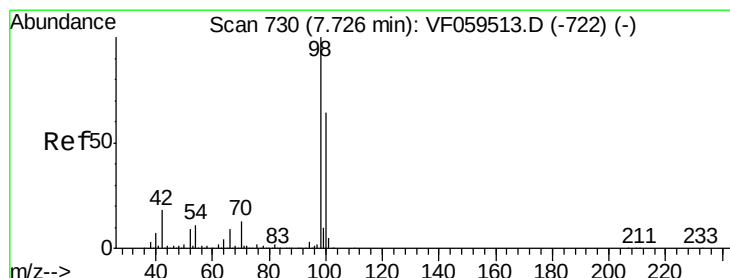
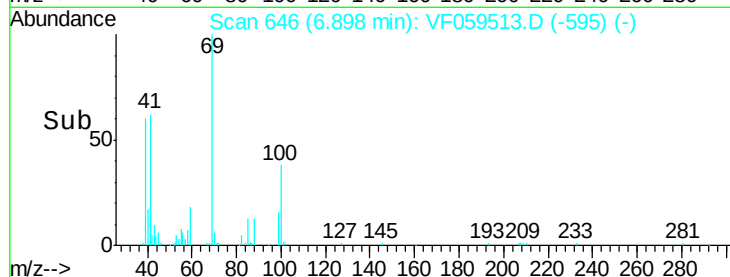
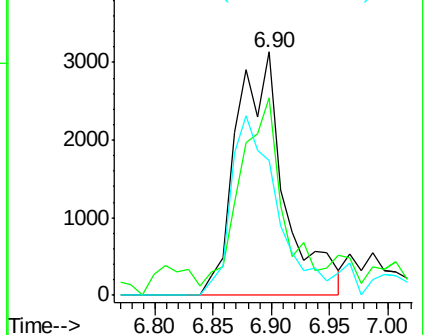
58 55.1 44.1 66.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 52.301 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF059513.D

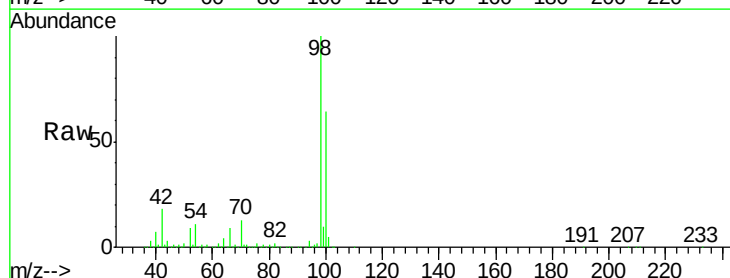
Acq: 17 Jul 2018 18:01

Tgt Ion: 98 Resp: 424340

Ion Ratio Lower Upper

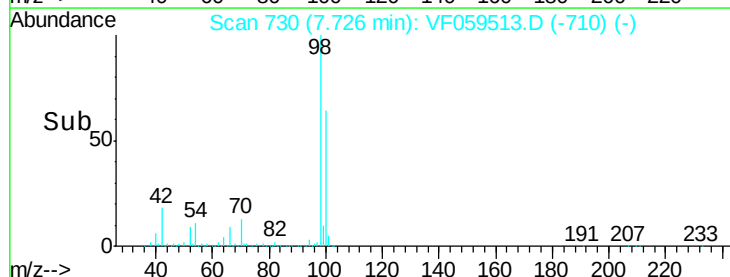
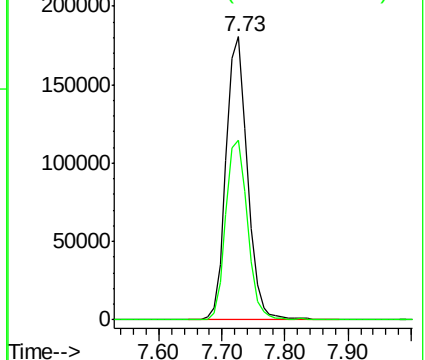
98 100

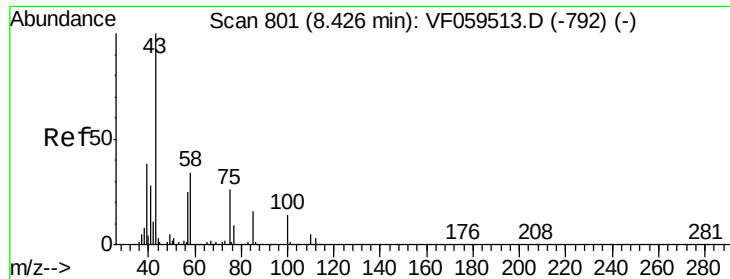
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 246.745 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

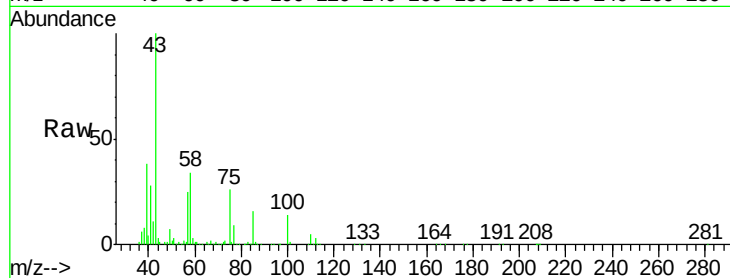
VSTDICCC050

Tot Ion: 43 Resp: 488053

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

8.43

200000

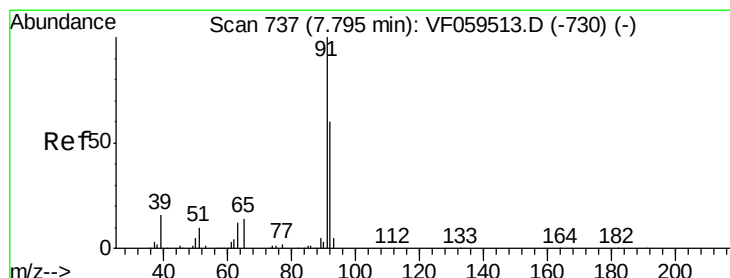
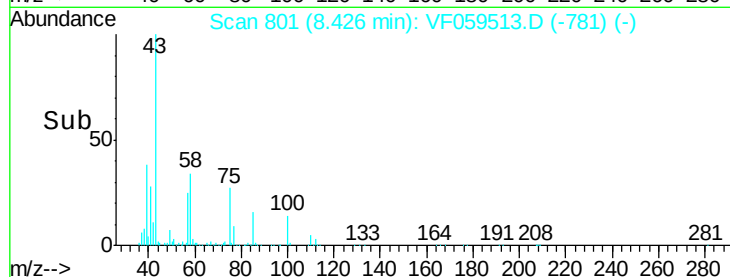
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 45.746 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059513.D

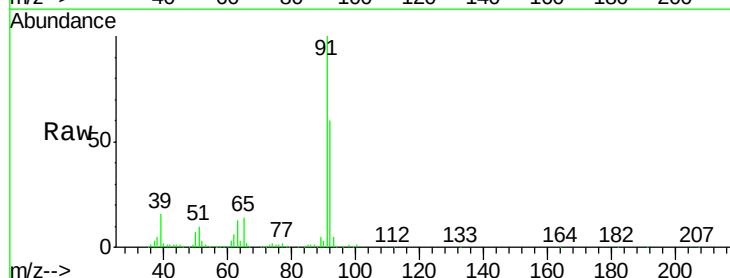
Acq: 17 Jul 2018 18:01

Tgt Ion: 92 Resp: 245872

Ion Ratio Lower Upper

92 100

91 167.8 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

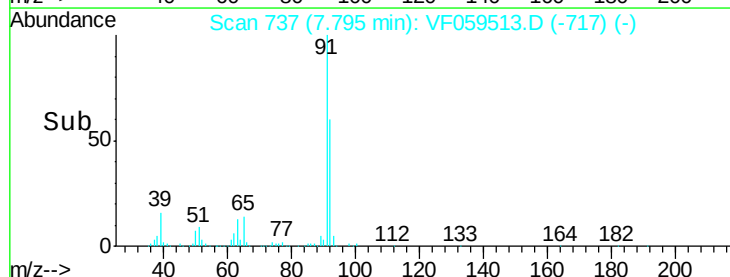
150000

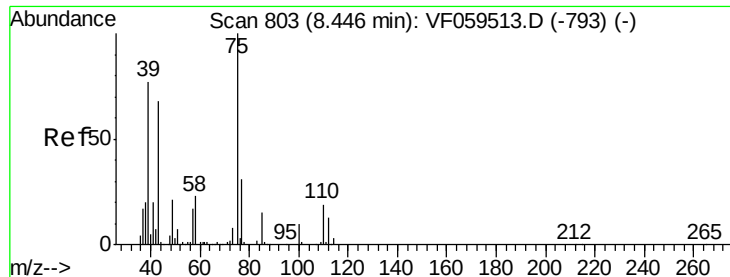
100000

50000

0

Time-->

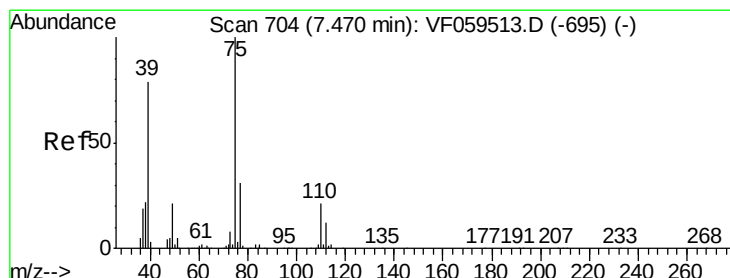
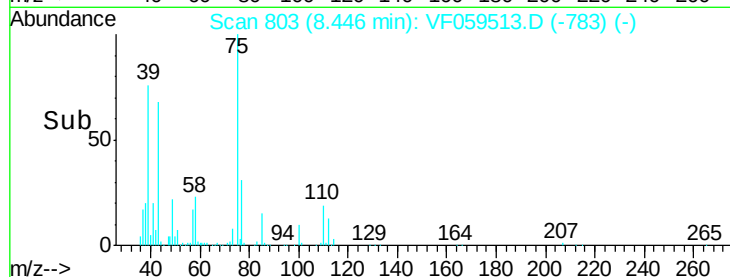
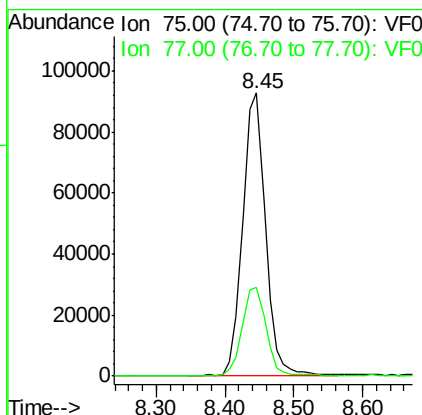
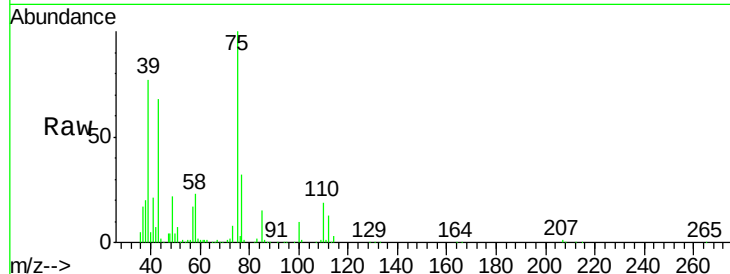




#53
 t-1,3-Dichloropropene
 Concen: 50.380 ug/l
 RT: 8.45 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

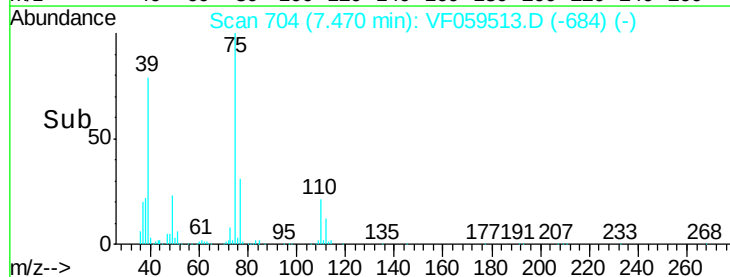
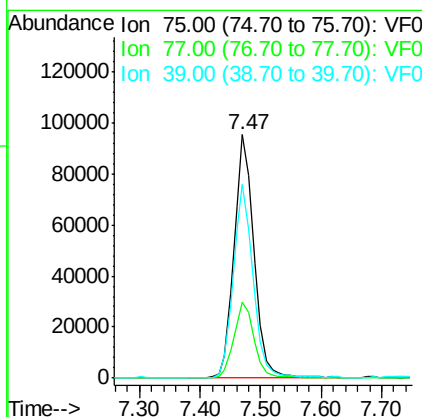
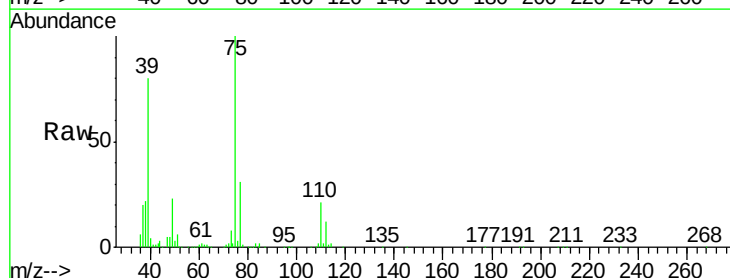
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

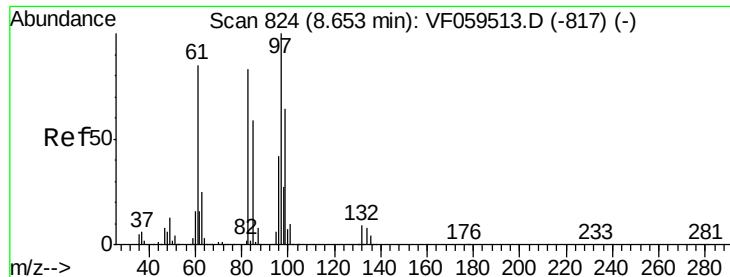
Tot Ion: 75 Resp: 215454
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 49.371 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion: 75 Resp: 219064
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 79.7 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 48.626 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 104092

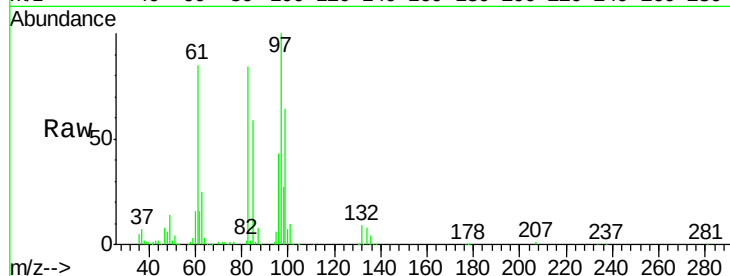
Ion Ratio Lower Upper

97 100

83 83.6 66.9 100.3

85 58.6 46.9 70.3

99 64.4 51.5 77.3

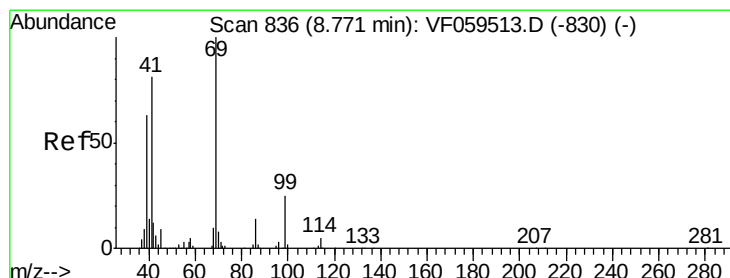
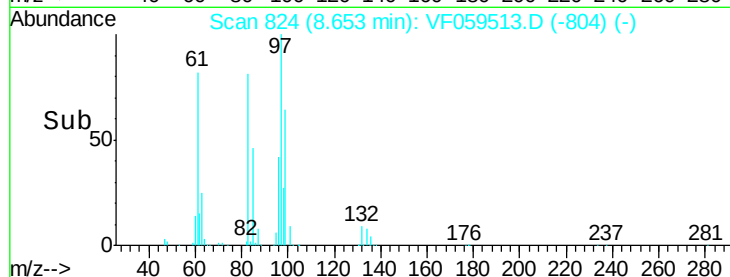
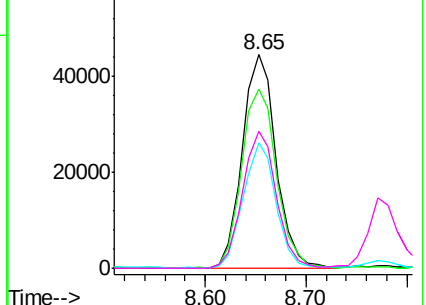


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.155 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

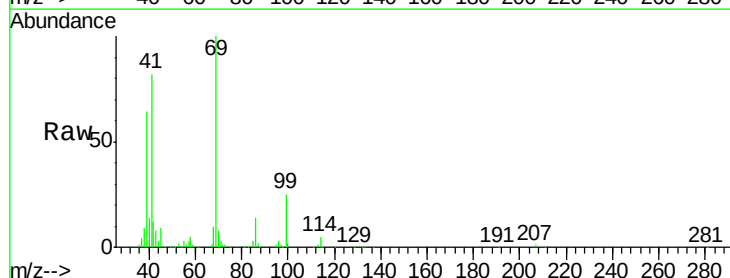
Tgt Ion: 69 Resp: 129829

Ion Ratio Lower Upper

69 100

41 81.8 65.4 98.2

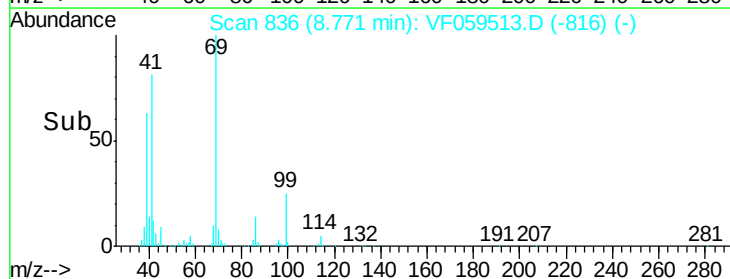
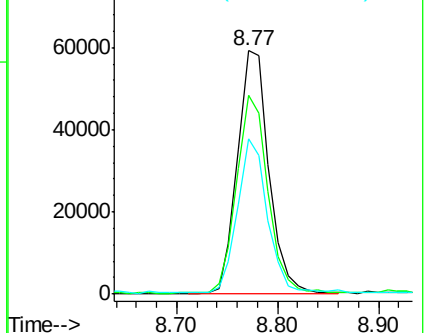
39 63.7 51.0 76.4

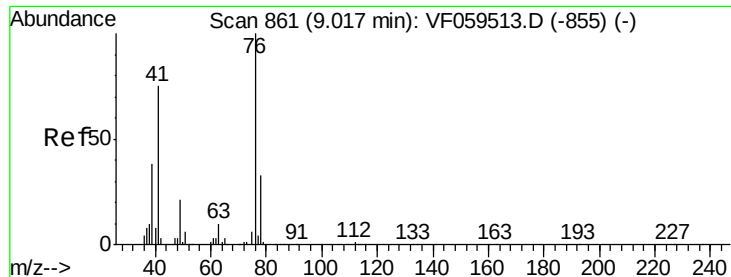


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.835 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

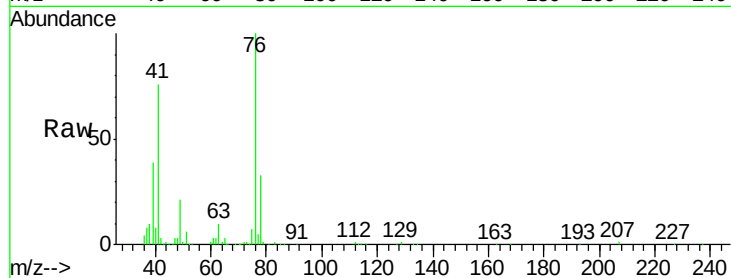
VSTDICCC050

Tot Ion: 76 Resp: 174215

Ion Ratio Lower Upper

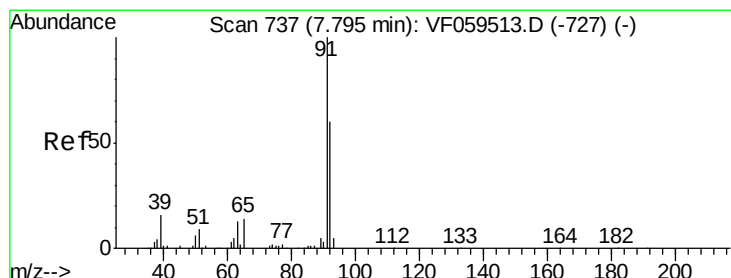
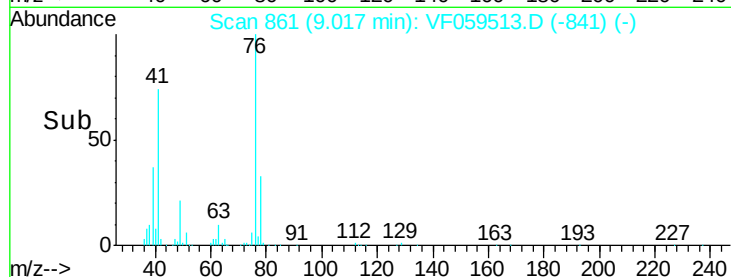
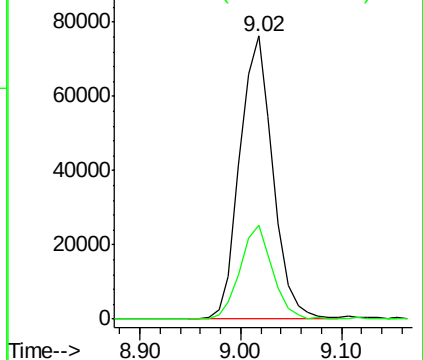
76 100

78 33.0 26.4 39.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 239.468 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059513.D

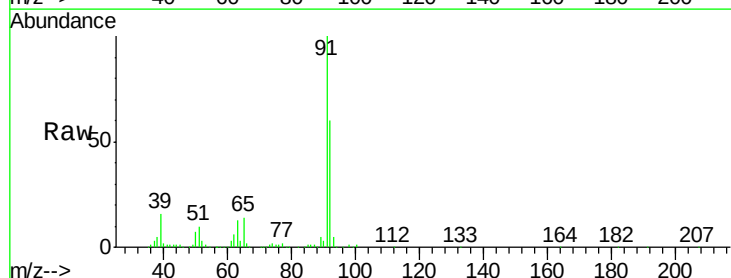
Acq: 17 Jul 2018 18:01

Tgt Ion: 63 Resp: 53912

Ion Ratio Lower Upper

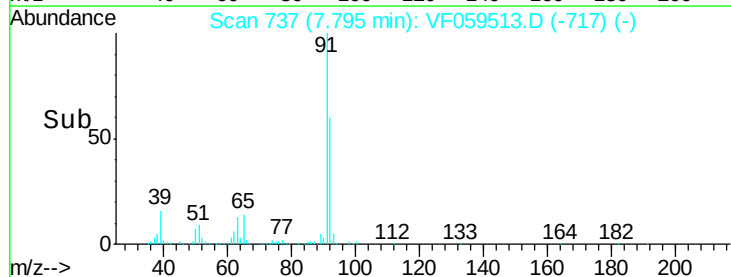
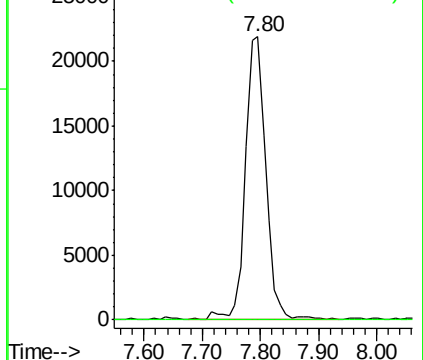
63 100

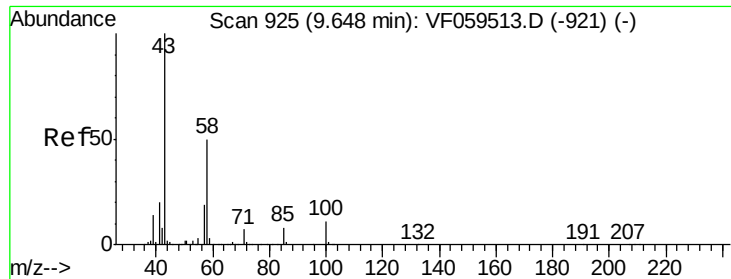
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

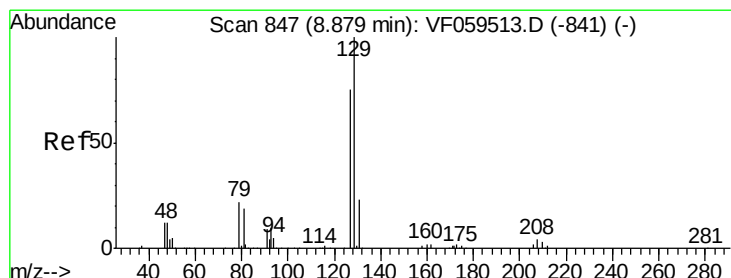
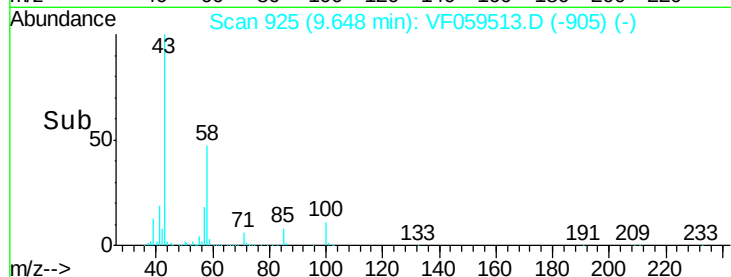
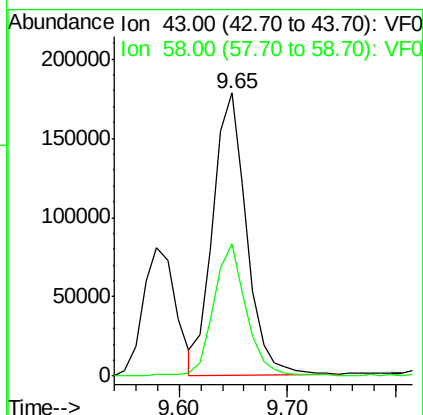
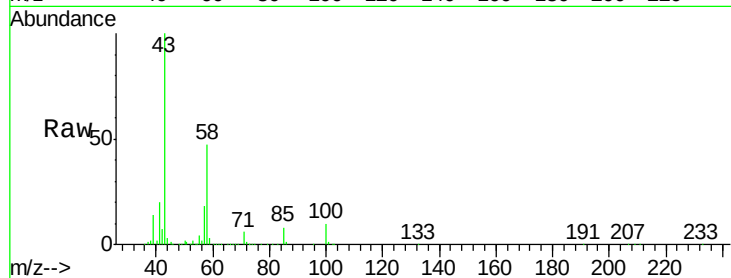




#59
2-Hexanone
Concen: 246.023 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

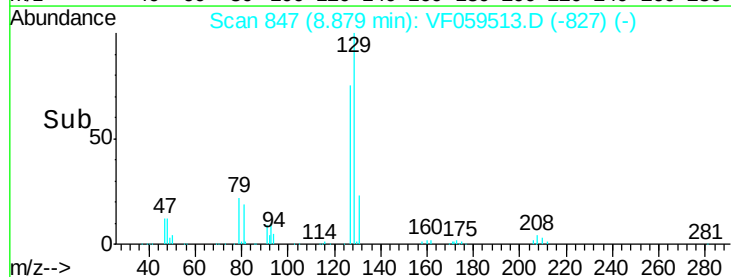
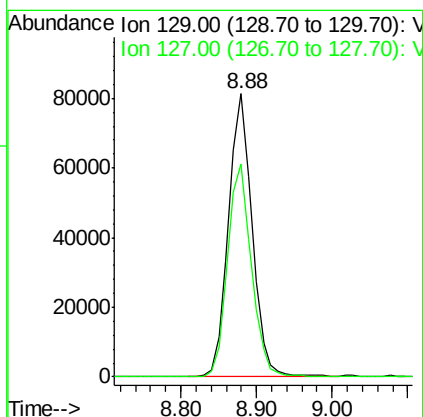
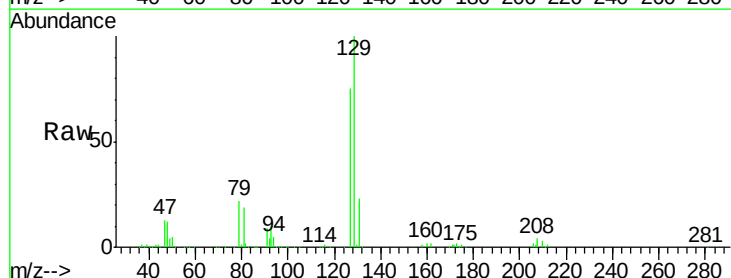
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

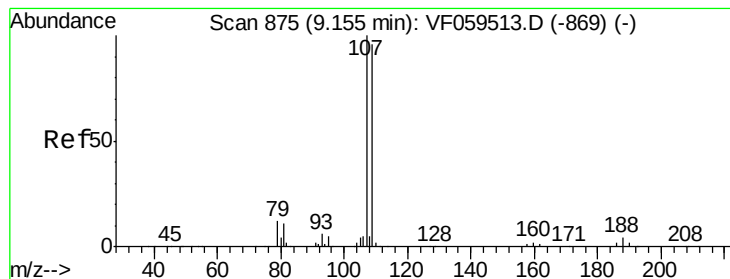
Tot Ion: 43 Resp: 381798
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9



#60
Dibromochloromethane
Concen: 50.582 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 129 Resp: 175730
Ion Ratio Lower Upper
129 100
127 75.2 37.6 112.8





#61

1,2-Dibromoethane

Concen: 47.308 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

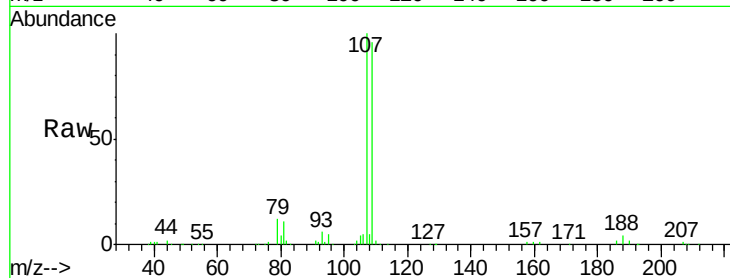
VSTDICCC050

Tot Ion:107 Resp: 122567

Ion Ratio Lower Upper

107 100

109 95.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

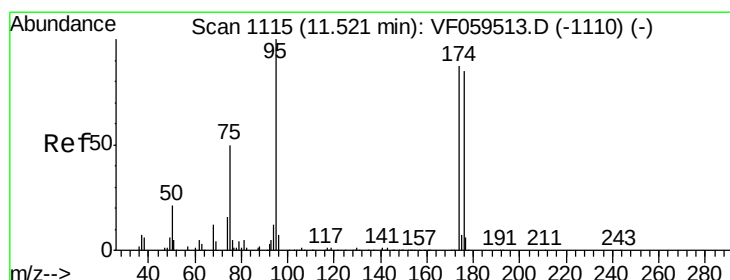
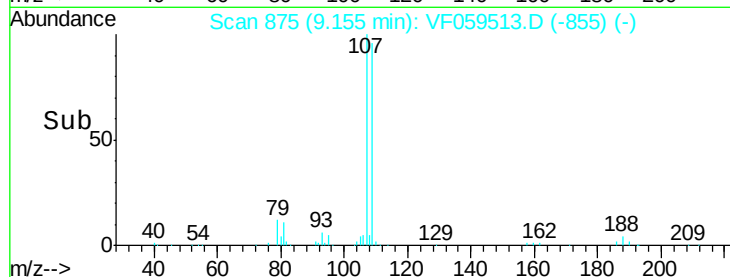
20000

10000

0

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 50.044 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

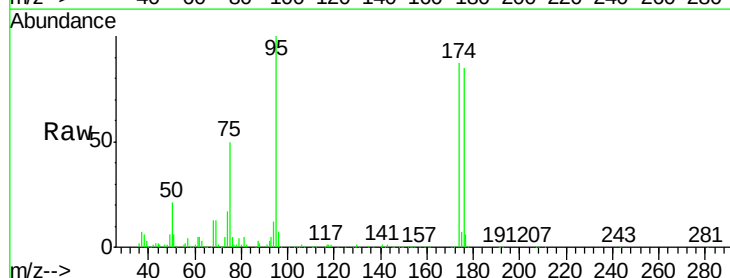
Tgt Ion: 95 Resp: 215715

Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.4

176 84.7 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

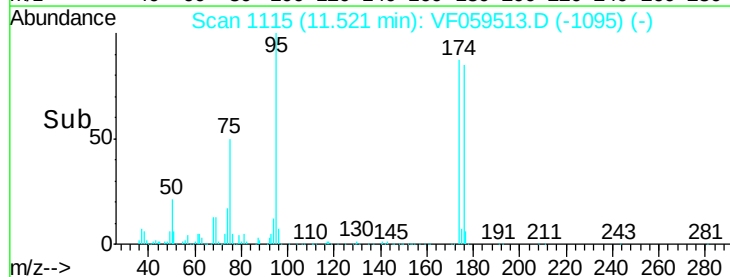
100000

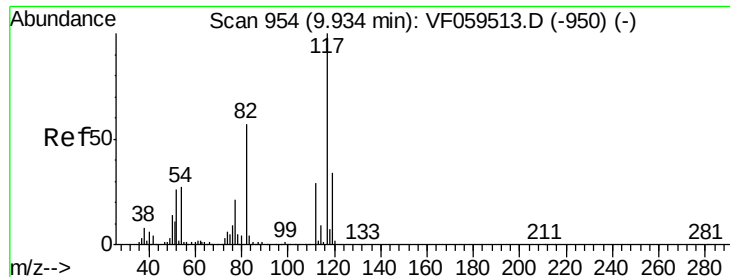
50000

0

11.40 11.60

Time-->

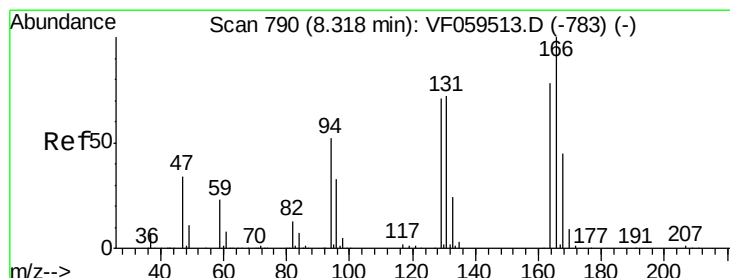
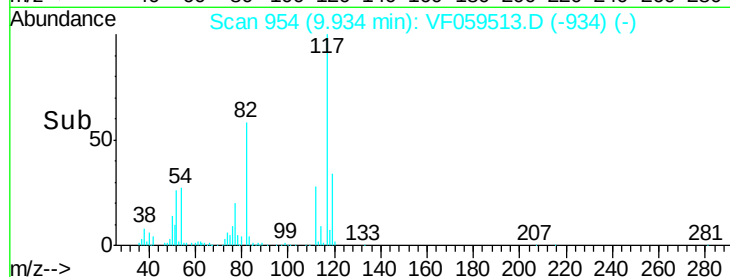
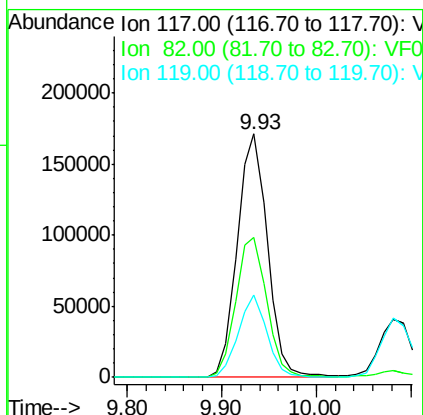
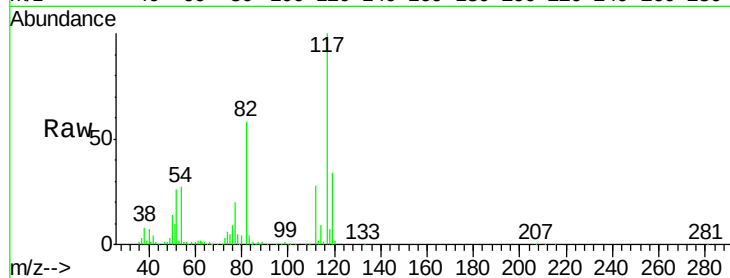




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

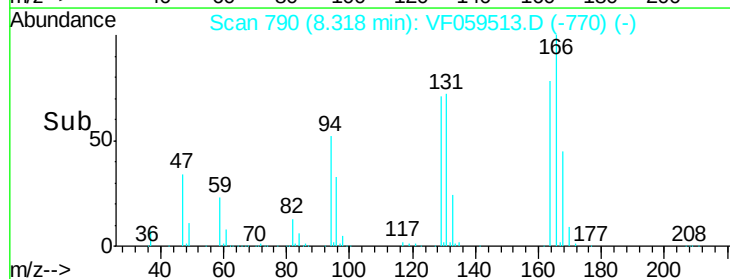
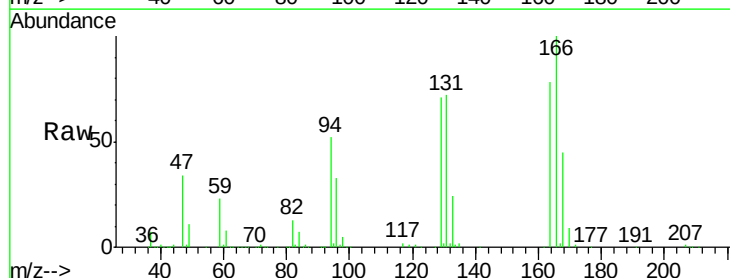
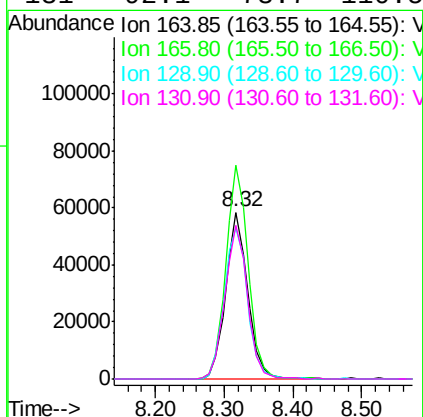
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

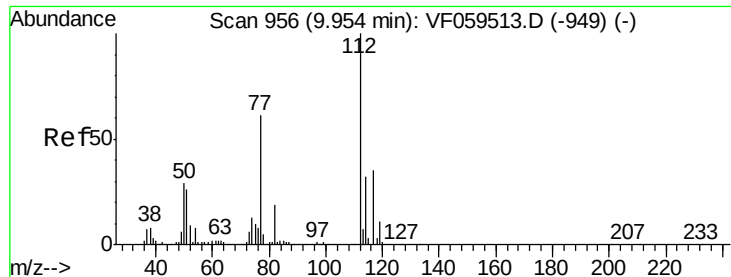
Tot Ion:117 Resp: 379931
Ion Ratio Lower Upper
117 100
82 57.6 46.1 69.1
119 34.0 27.2 40.8



#64
Tetrachloroethene
Concen: 43.211 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion:164 Resp: 129435
Ion Ratio Lower Upper
164 100
166 127.9 102.3 153.5
129 90.5 72.4 108.6
131 92.1 73.7 110.5

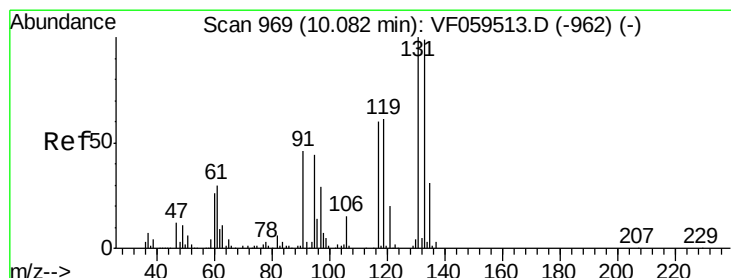
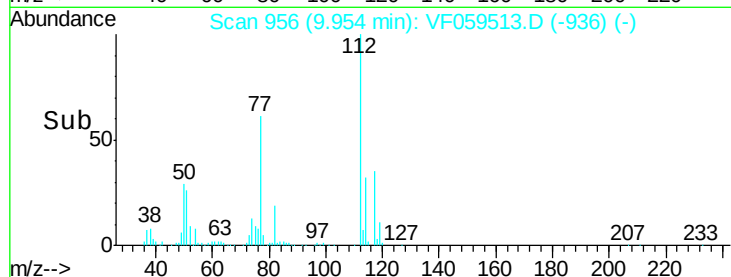
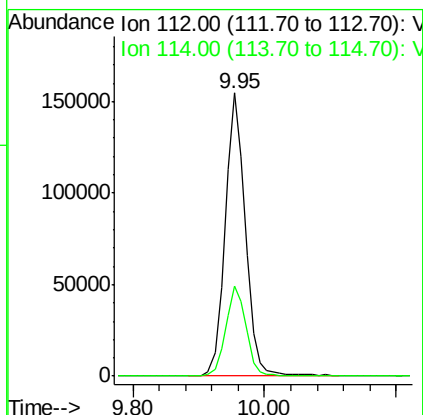
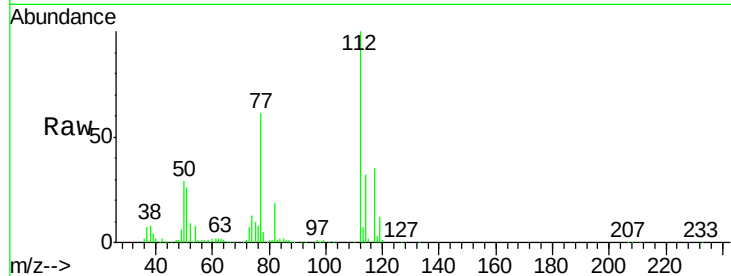




#65
Chlorobenzene
Concen: 46.380 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

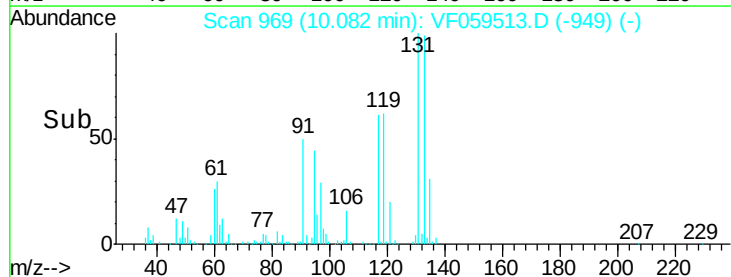
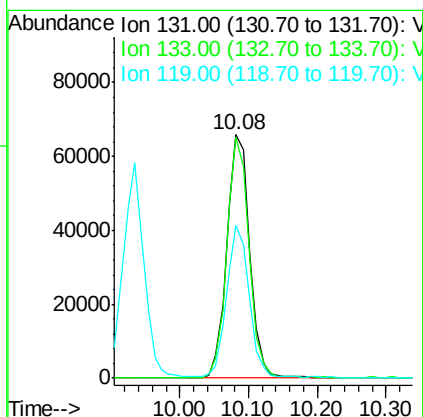
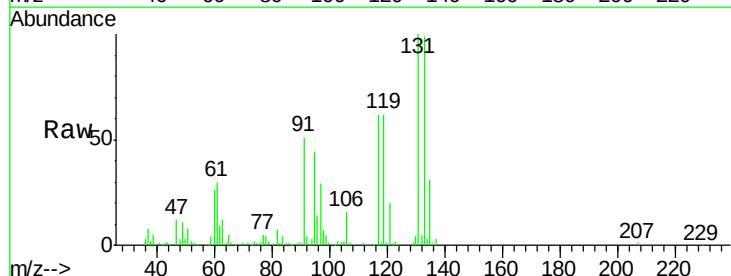
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

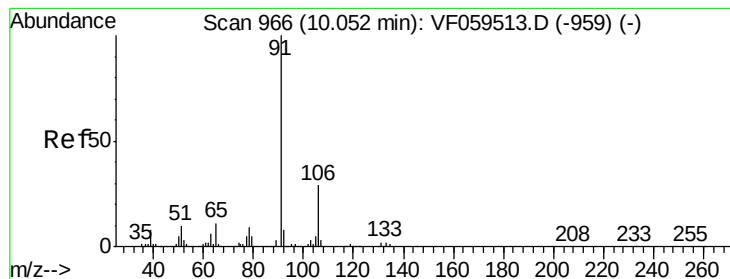
Tot Ion:112 Resp: 331441
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.884 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion:131 Resp: 151681
Ion Ratio Lower Upper
131 100
133 99.2 49.6 148.8
119 62.9 31.4 94.3





#67

Ethyl Benzene

Concen: 45.384 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

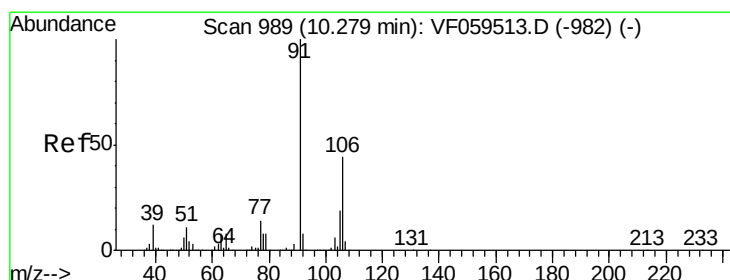
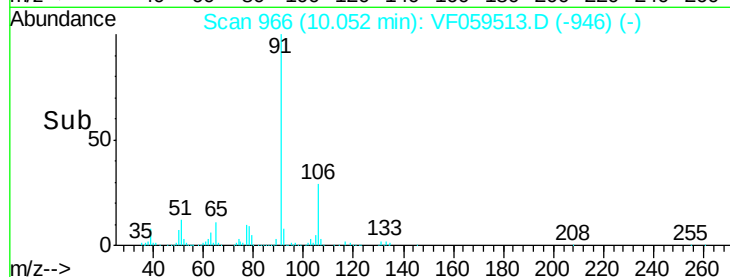
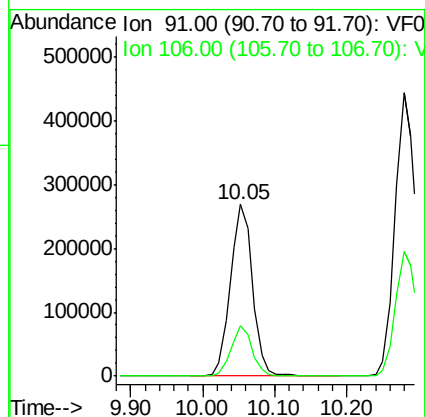
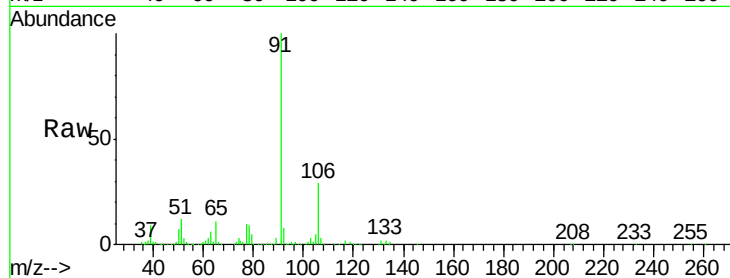
VSTDICCC050

Tot Ion: 91 Resp: 578634

Ion Ratio Lower Upper

91 100

106 29.3 23.4 35.2



#68

m/p-Xylenes

Concen: 89.725 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059513.D

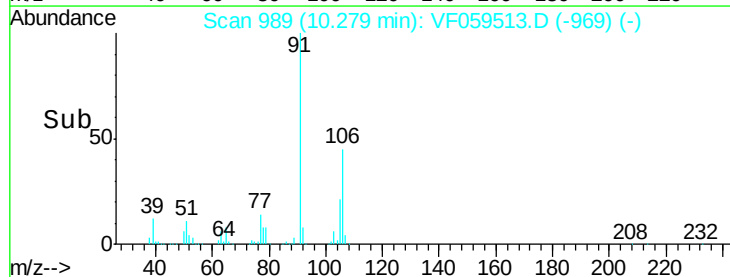
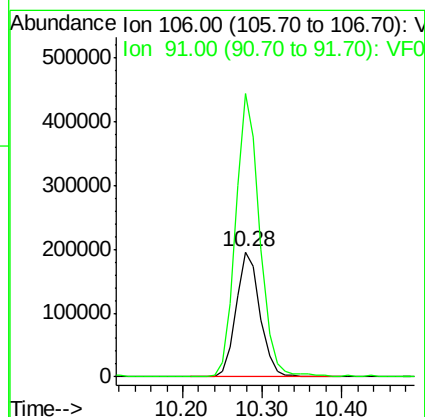
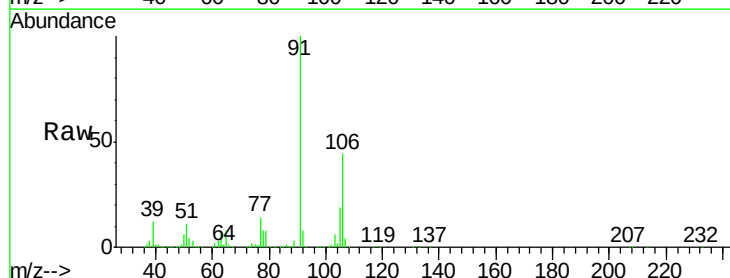
Acq: 17 Jul 2018 18:01

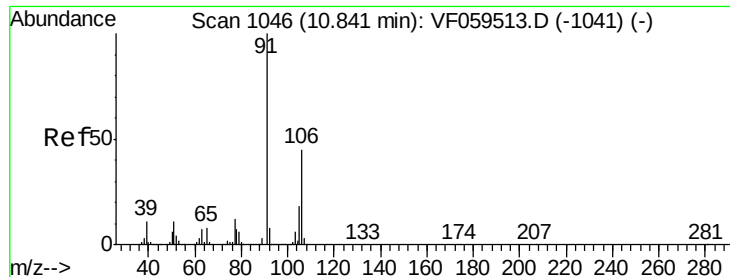
Tgt Ion: 106 Resp: 409750

Ion Ratio Lower Upper

106 100

91 226.2 181.0 271.4

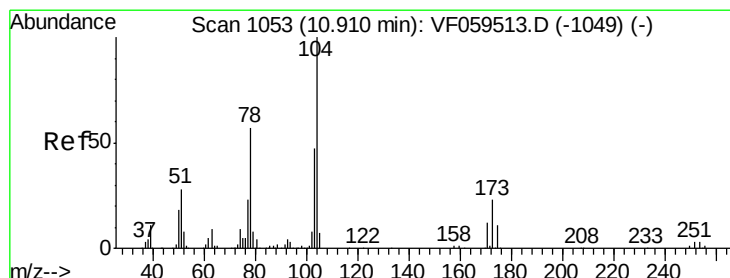
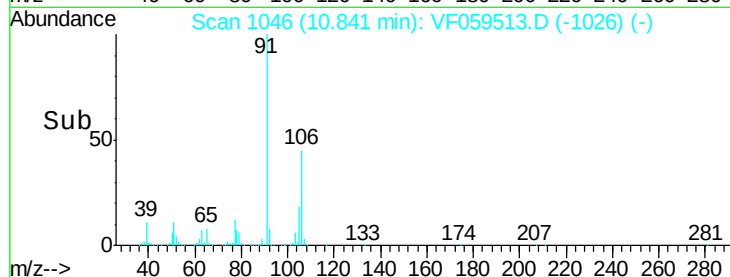
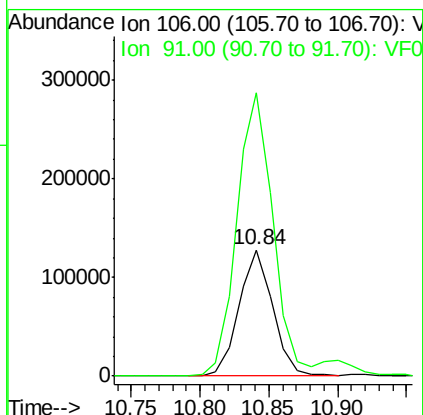
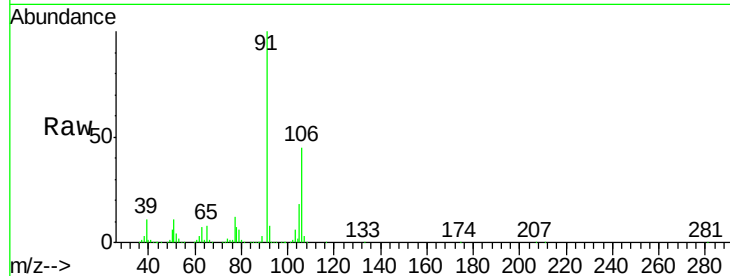




#69
o-Xylene
Concen: 46.427 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

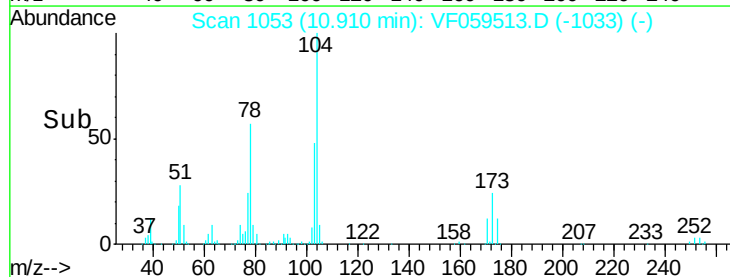
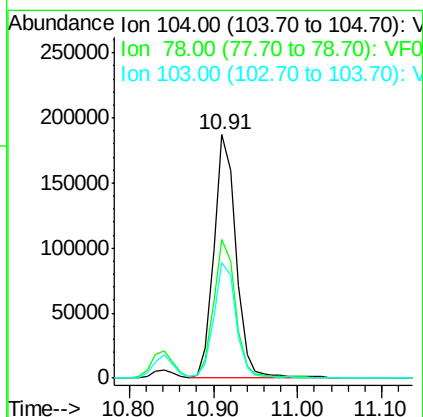
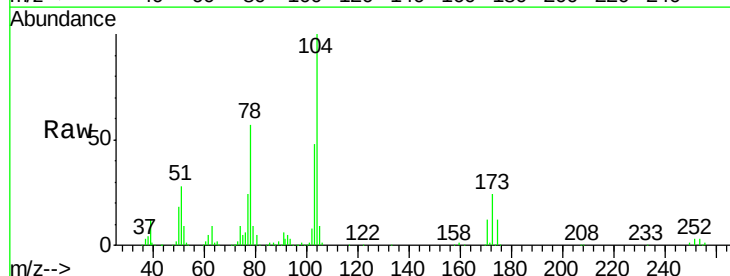
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

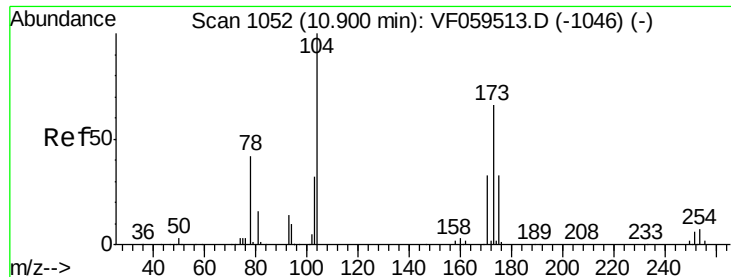
Tot Ion:106 Resp: 220330
Ion Ratio Lower Upper
106 100
91 224.6 112.3 336.9



#70
Styrene
Concen: 45.057 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion:104 Resp: 338301
Ion Ratio Lower Upper
104 100
78 57.1 45.7 68.5
103 47.6 38.1 57.1





#71

Bromoform

Concen: 47.509 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

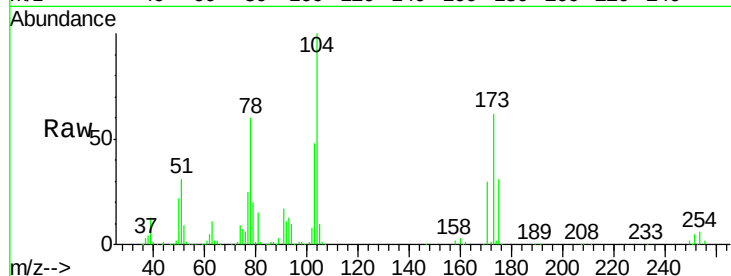
Tot Ion:173 Resp: 112064

Ion Ratio Lower Upper

173 100

175 50.5 25.3 75.8

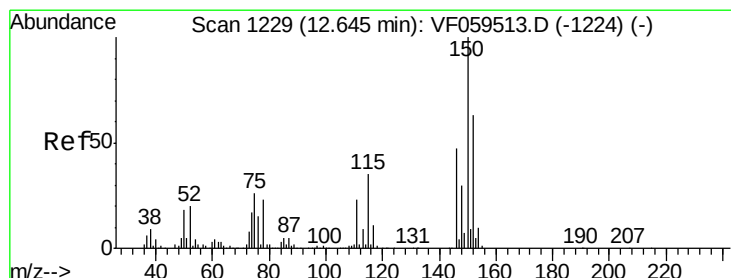
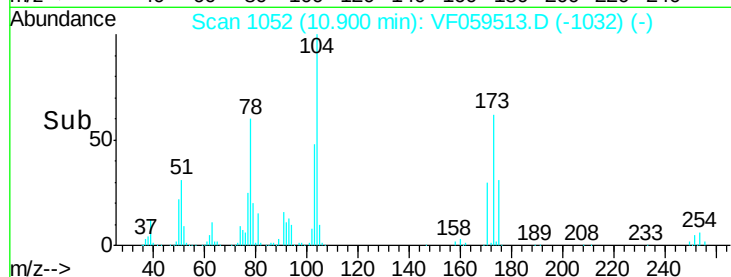
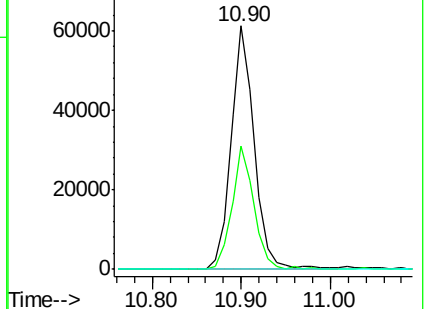
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

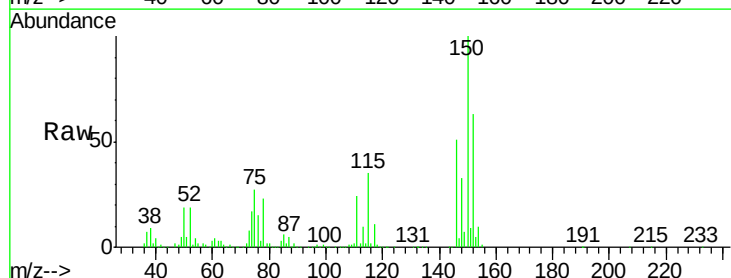
Tgt Ion:152 Resp: 223641

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

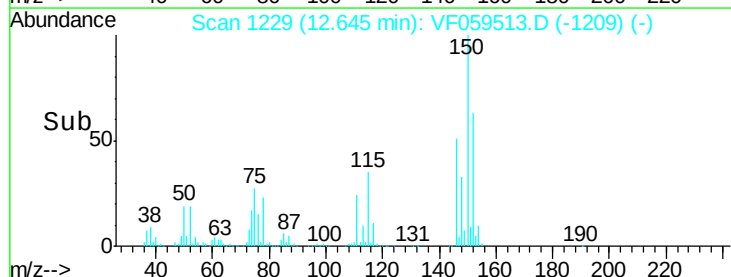
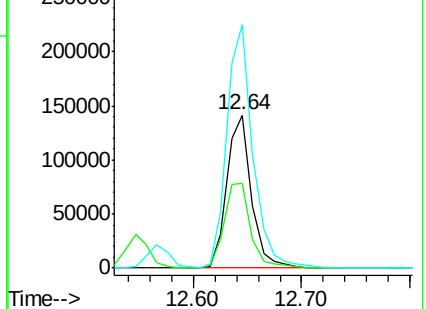
150 159.2 0.0 318.4

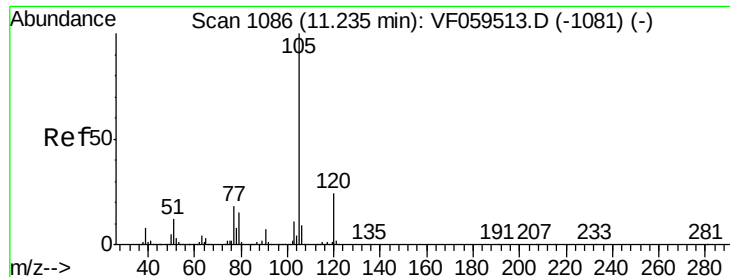


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.922 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

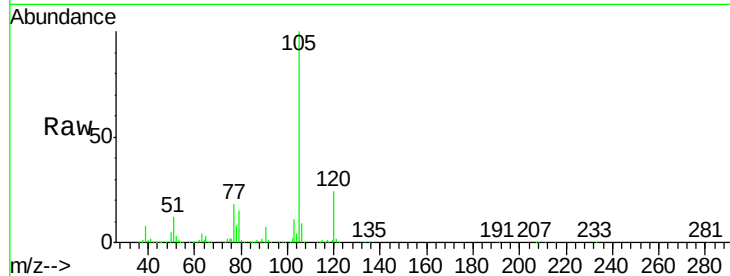
VSTDICCC050

Tot Ion:105 Resp: 669411

Ion Ratio Lower Upper

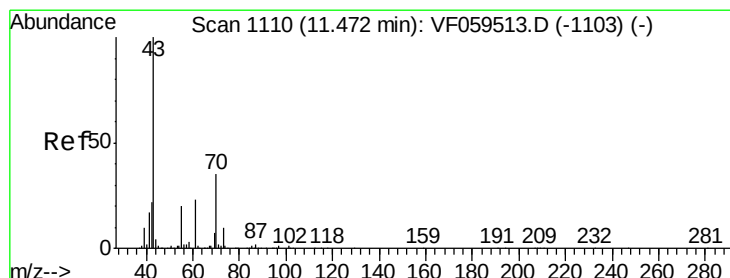
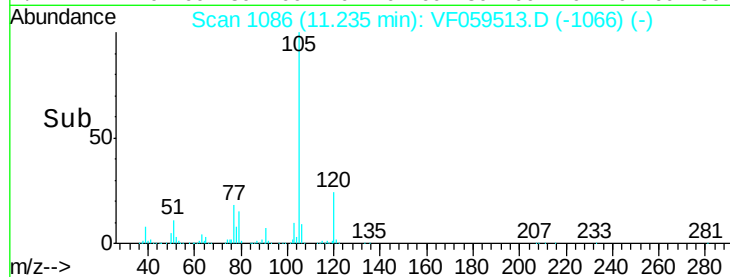
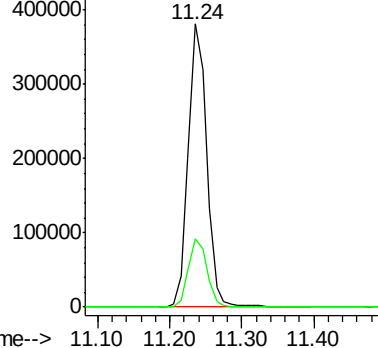
105 100

120 24.0 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.498 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion: 43 Resp: 220224

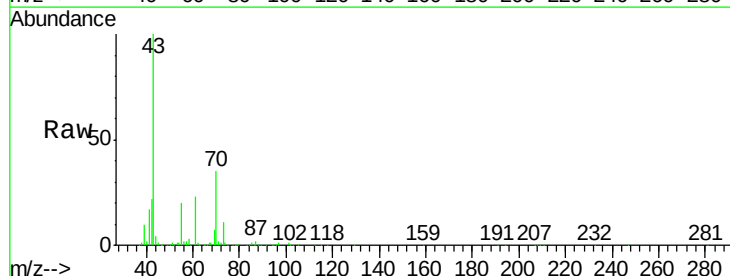
Ion Ratio Lower Upper

43 100

70 34.9 27.9 41.9

55 20.2 16.2 24.2

61 23.2 18.6 27.8

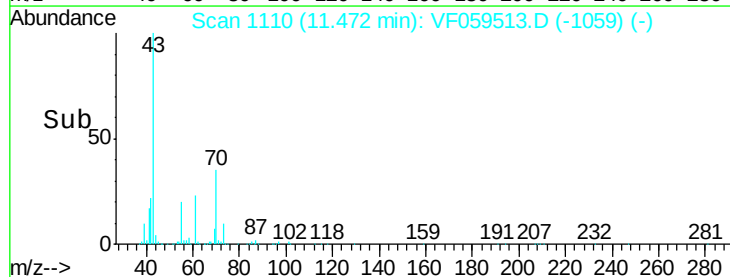
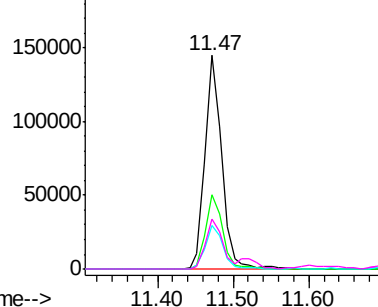


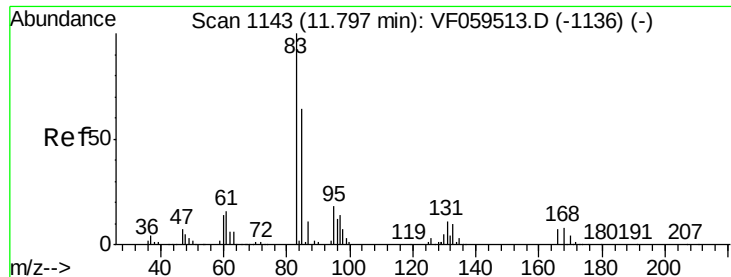
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.853 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

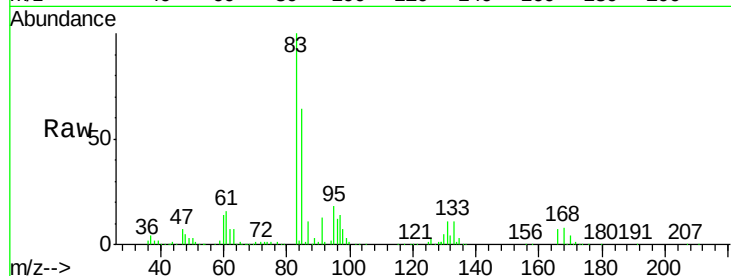
Tot Ion: 83 Resp: 149711

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

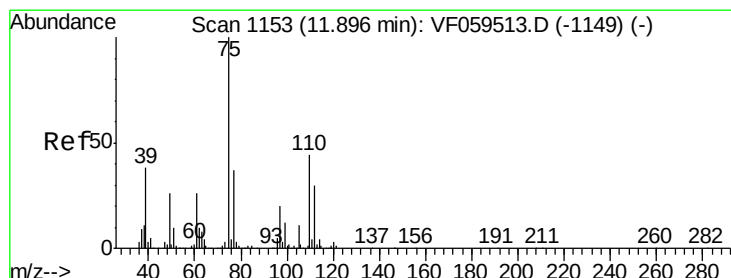
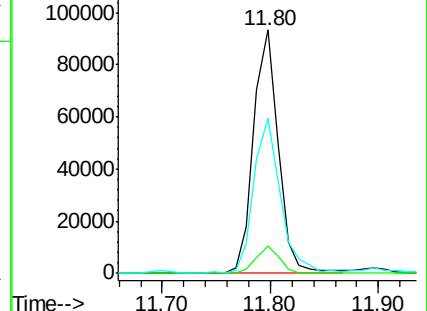
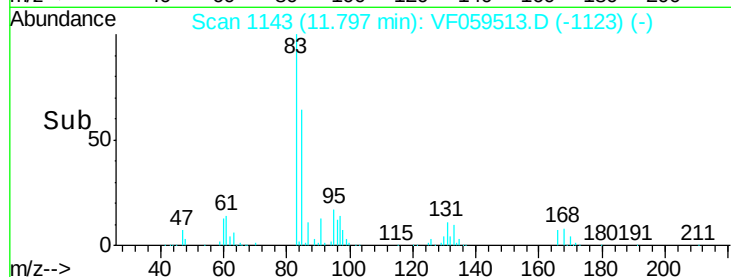
85 63.9 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.115 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059513.D

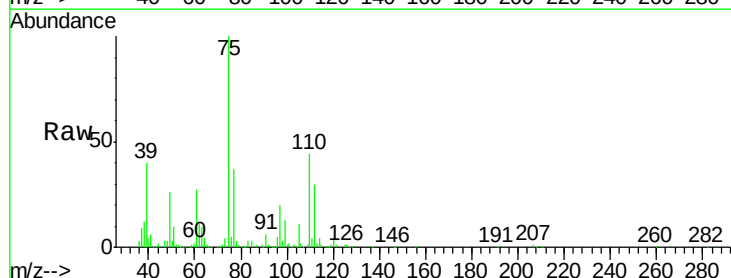
Acq: 17 Jul 2018 18:01

Tgt Ion: 75 Resp: 118951

Ion Ratio Lower Upper

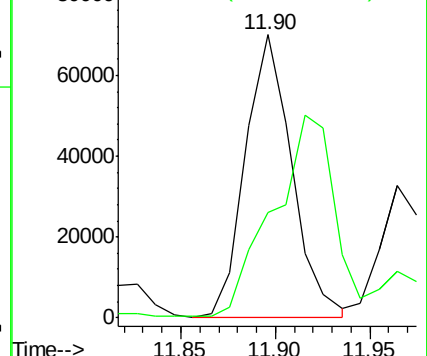
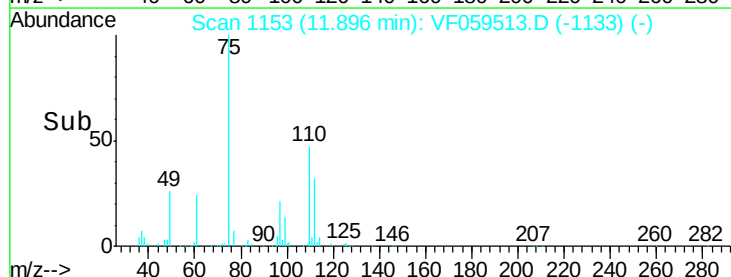
75 100

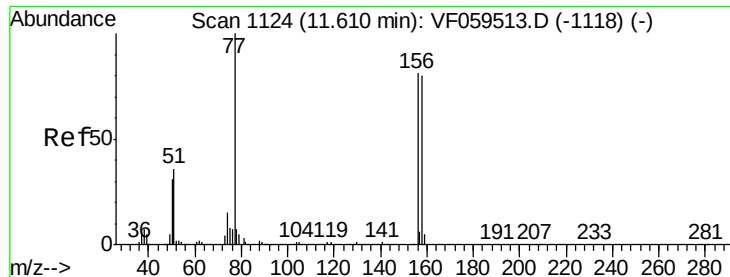
77 37.4 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 46.804 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

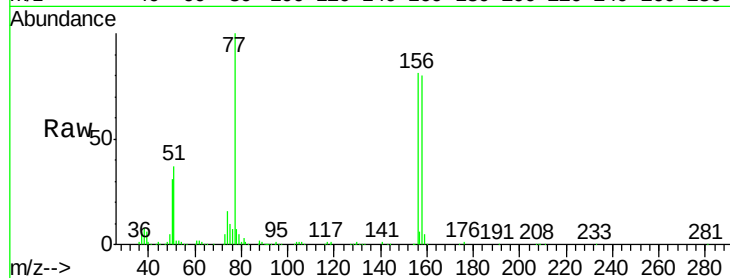
Tot Ion:156 Resp: 188157

Ion Ratio Lower Upper

156 100

77 124.0 62.0 186.0

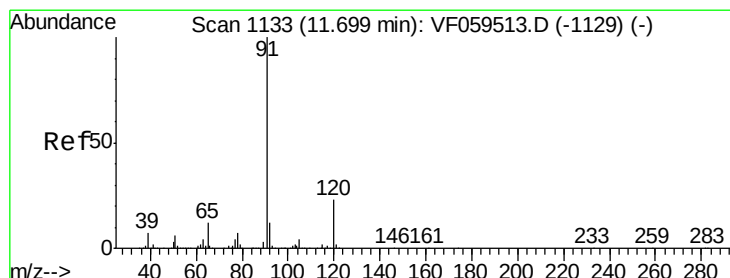
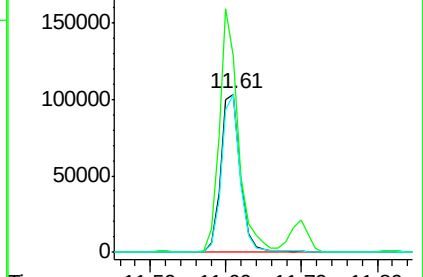
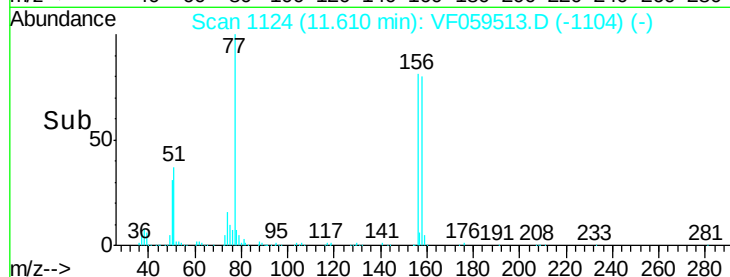
158 99.5 49.8 149.3



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: 45.511 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059513.D

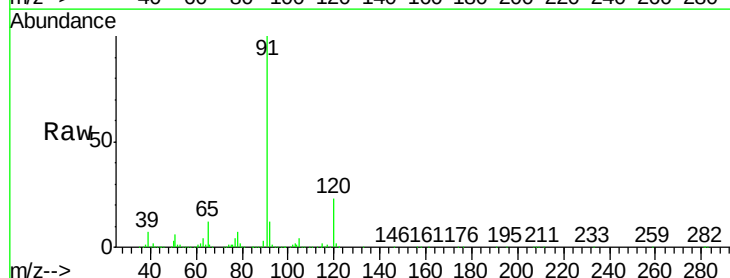
Acq: 17 Jul 2018 18:01

Tgt Ion: 91 Resp: 751709

Ion Ratio Lower Upper

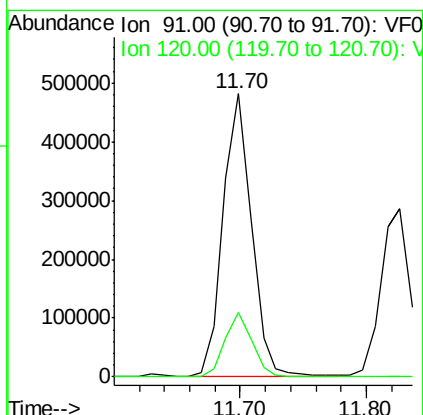
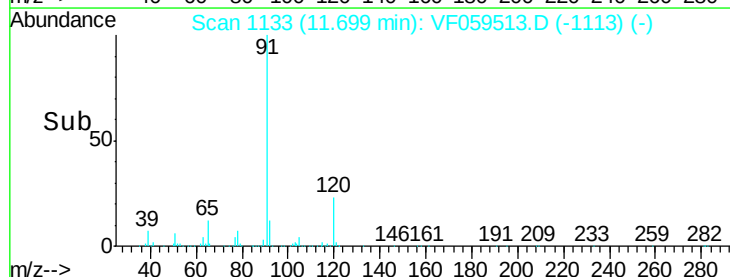
91 100

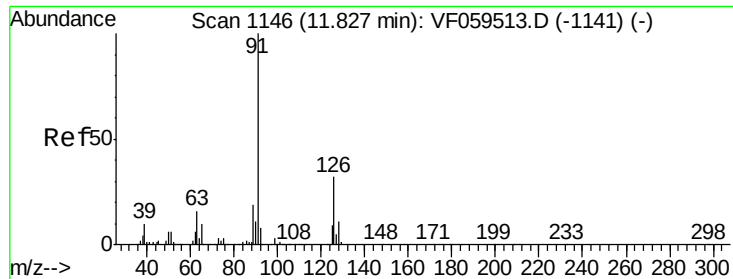
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.202 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

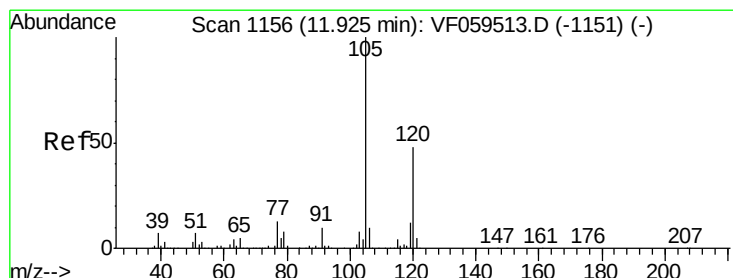
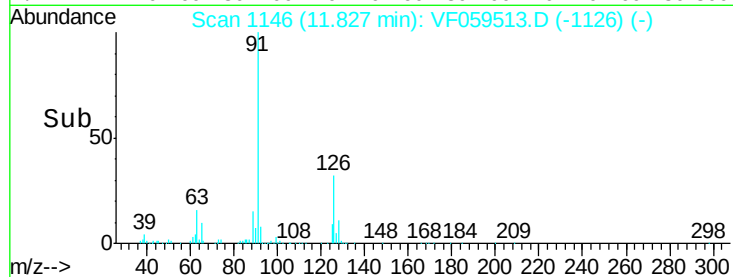
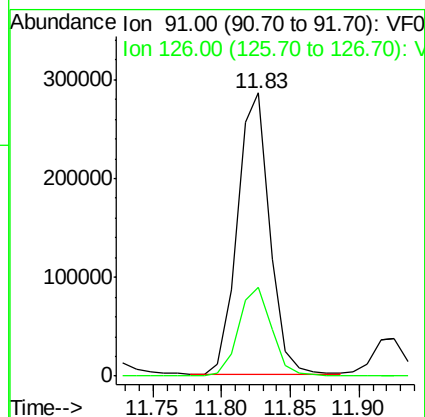
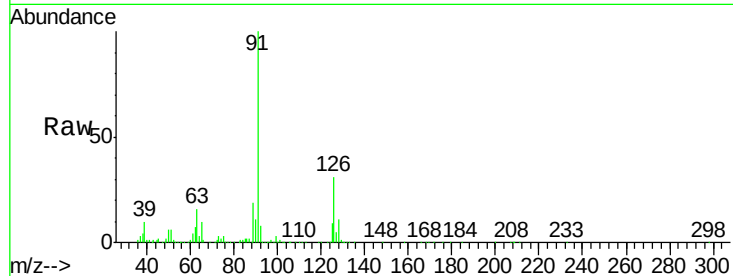
VSTDICCC050

Tot Ion: 91 Resp: 461214

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 45.300 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059513.D

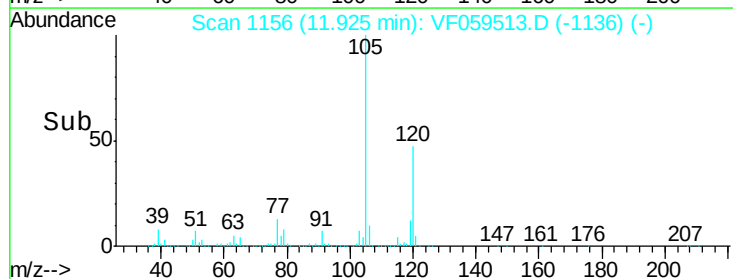
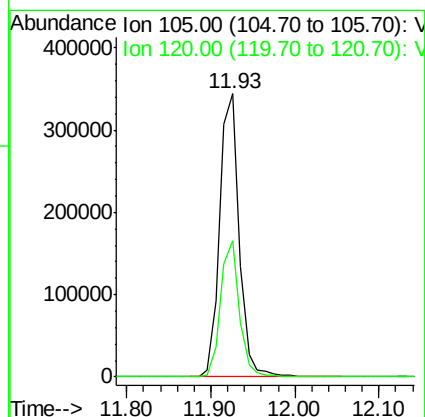
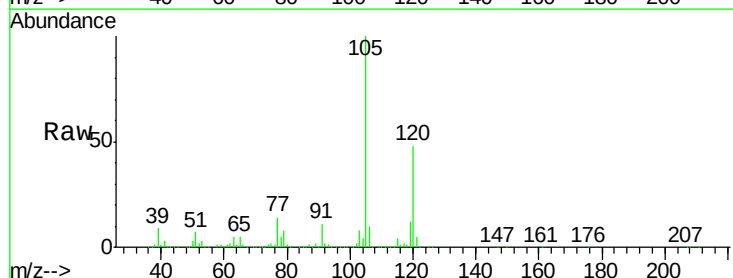
Acq: 17 Jul 2018 18:01

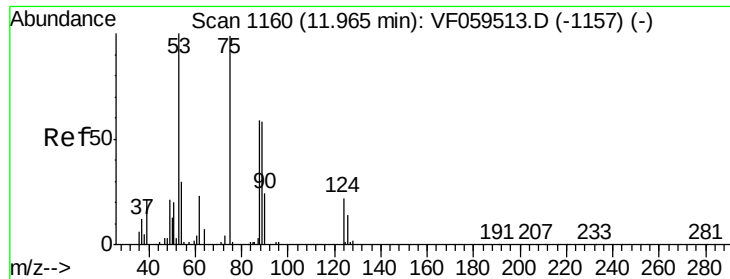
Tgt Ion:105 Resp: 555638

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 58.185 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

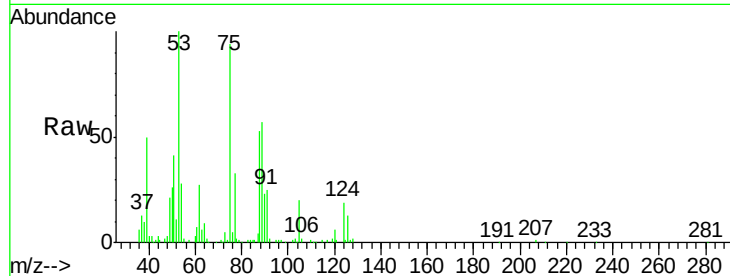
MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 71159

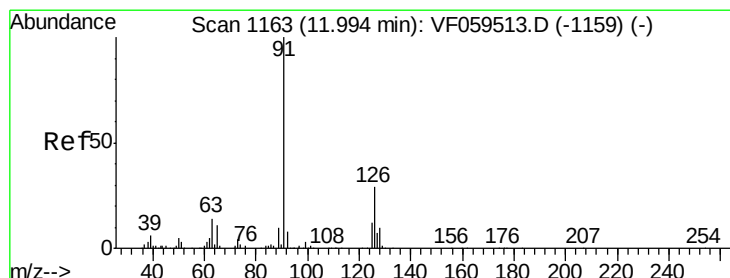
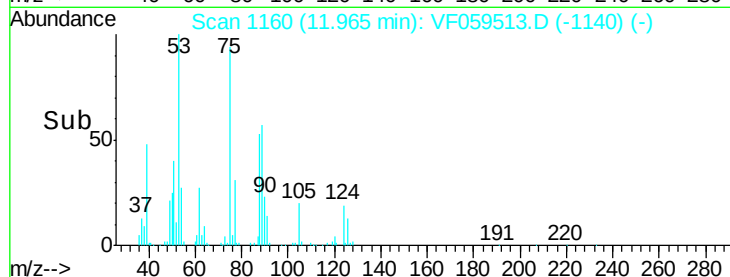
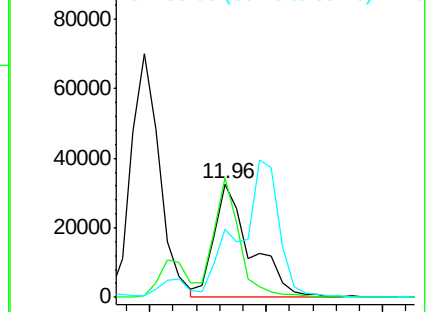
Ion	Ratio	Lower	Upper
75	100		
53	105.8	84.6	127.0
89	60.3	48.2	72.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 45.556 ug/l

RT: 11.99 min Scan# 1163

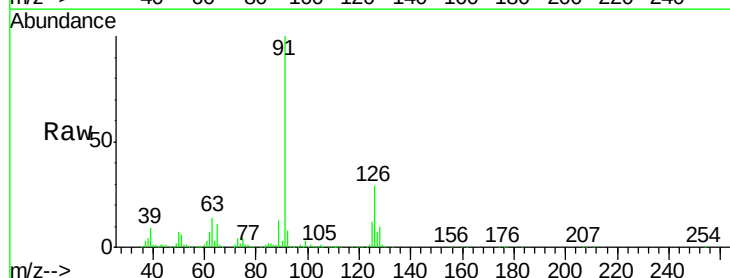
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

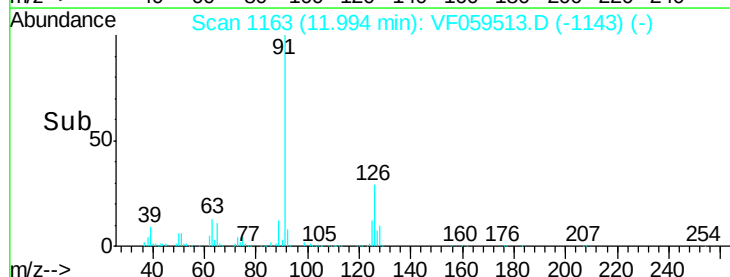
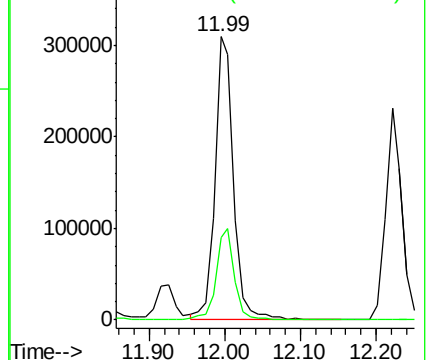
Tgt Ion: 91 Resp: 526910

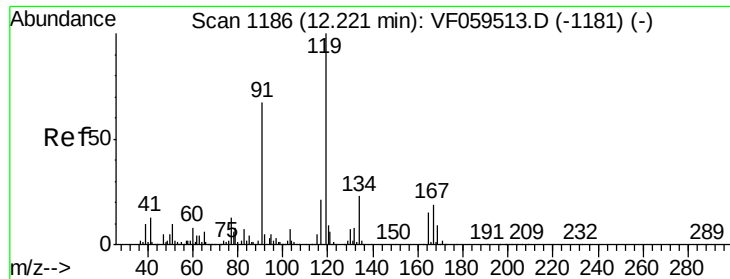
Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.4	43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 47.537 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

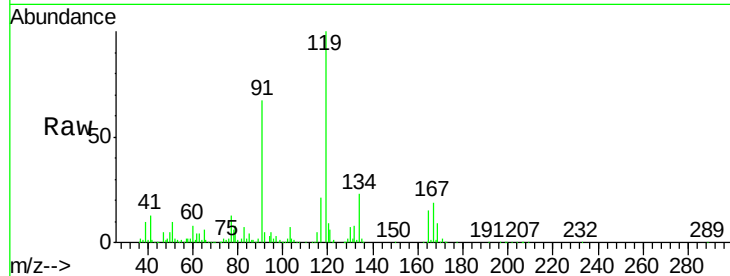
Tot Ion:119 Resp: 545779

Ion Ratio Lower Upper

119 100

91 67.0 33.5 100.5

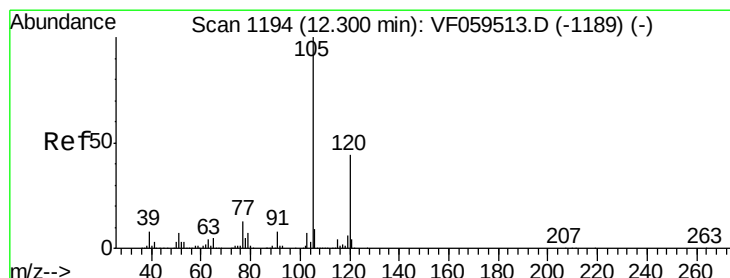
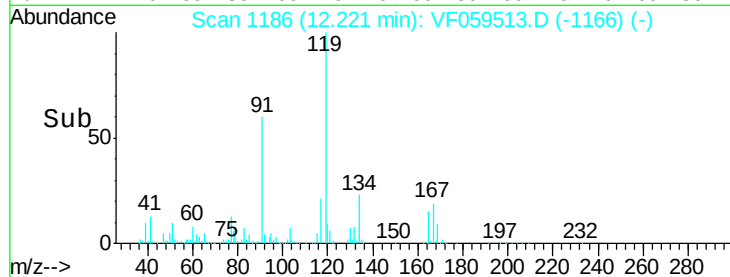
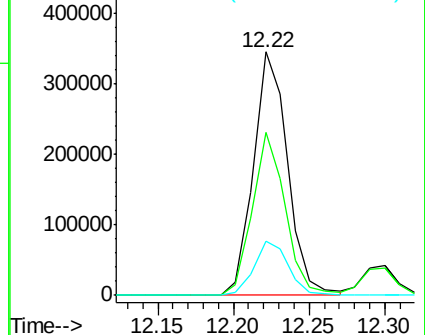
134 22.5 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.567 ug/l

RT: 12.30 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF059513.D

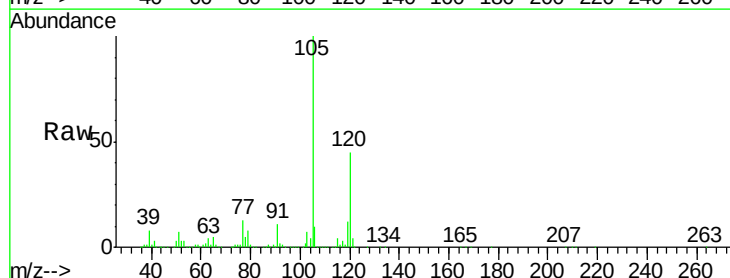
Acq: 17 Jul 2018 18:01

Tgt Ion:105 Resp: 570609

Ion Ratio Lower Upper

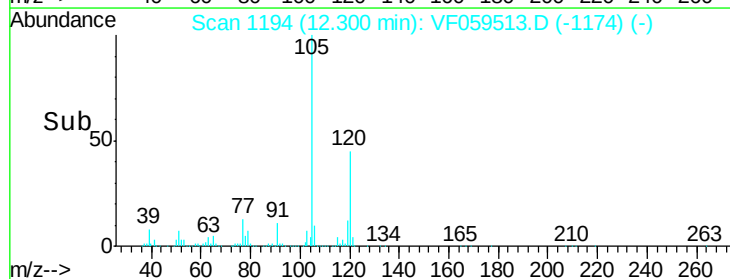
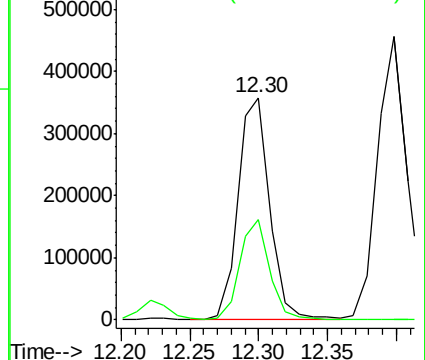
105 100

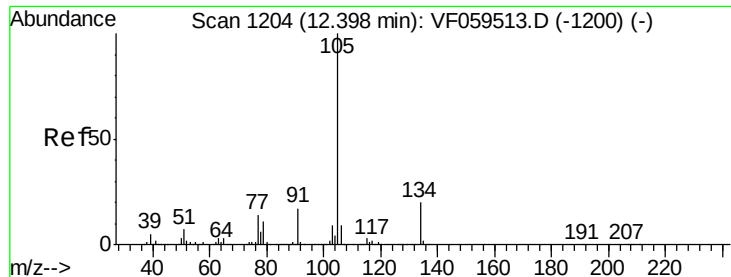
120 45.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.342 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

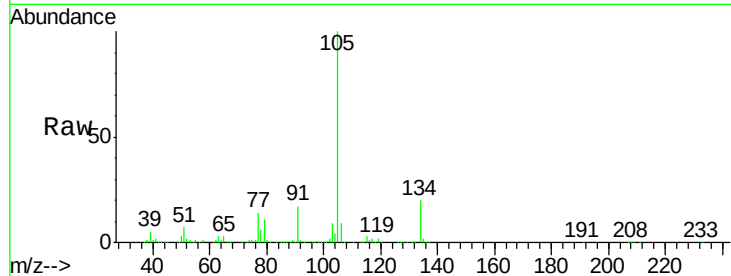
VSTDICCC050

Tot Ion:105 Resp: 686525

Ion Ratio Lower Upper

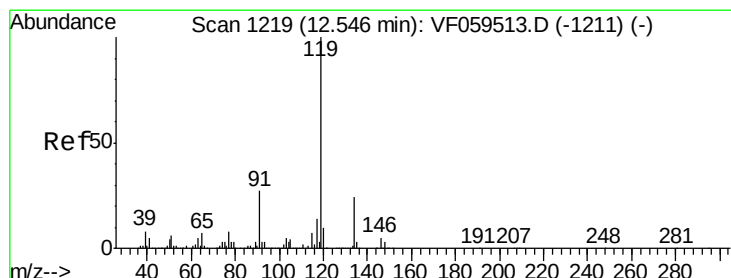
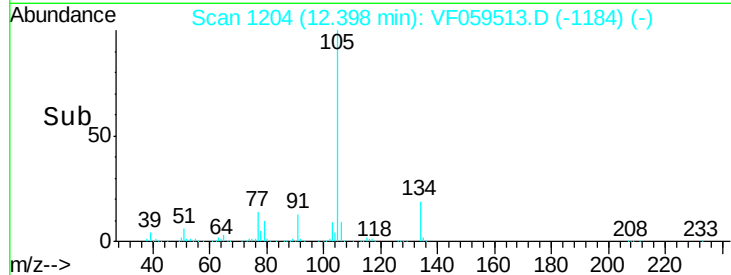
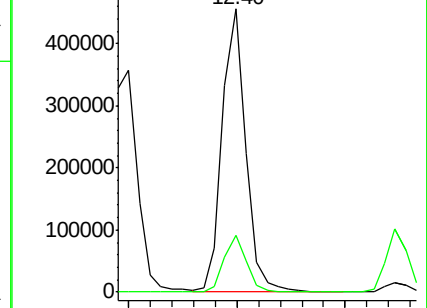
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.292 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

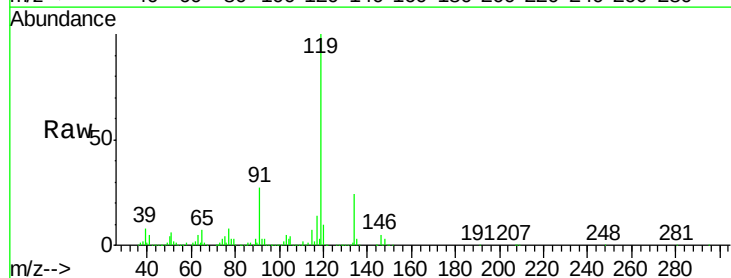
Tgt Ion:119 Resp: 593801

Ion Ratio Lower Upper

119 100

134 24.0 12.0 36.0

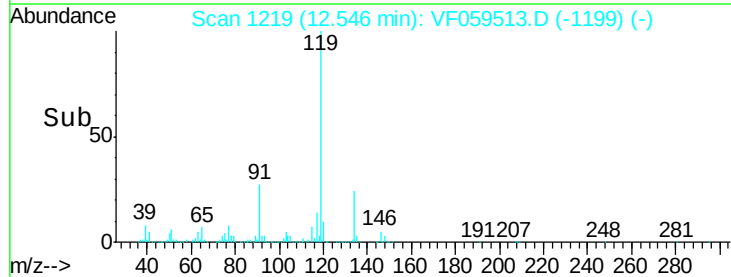
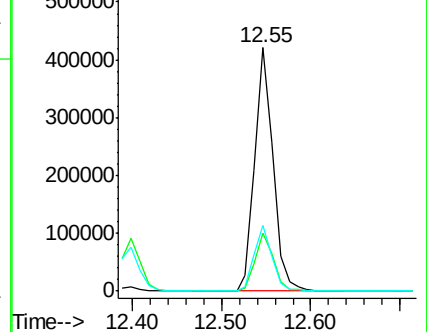
91 26.9 13.5 40.4

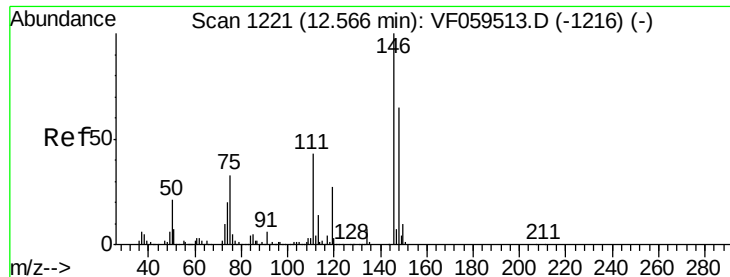


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

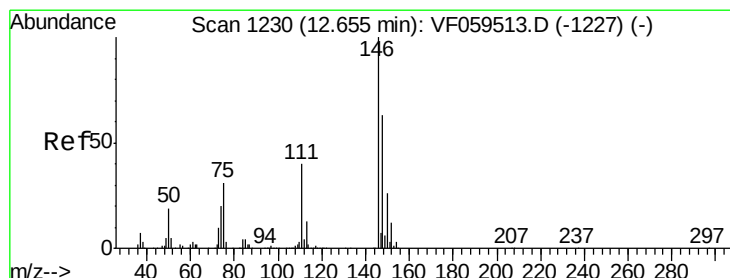
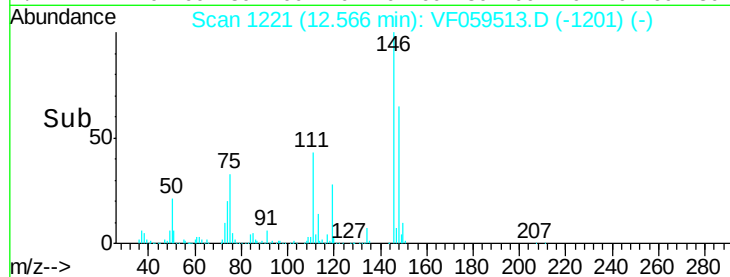
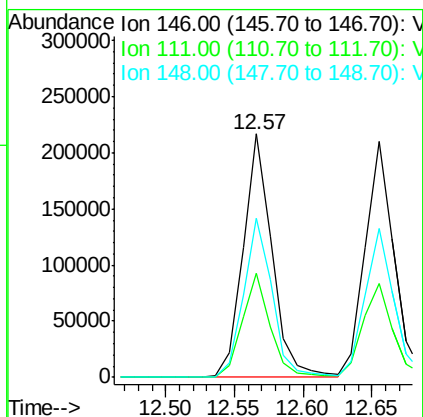
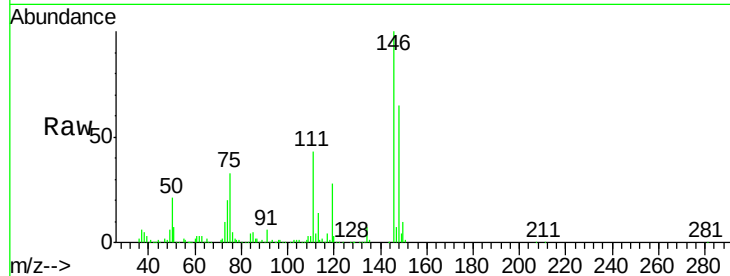




#87
 1,3-Dichlorobenzene
 Concen: 46.290 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

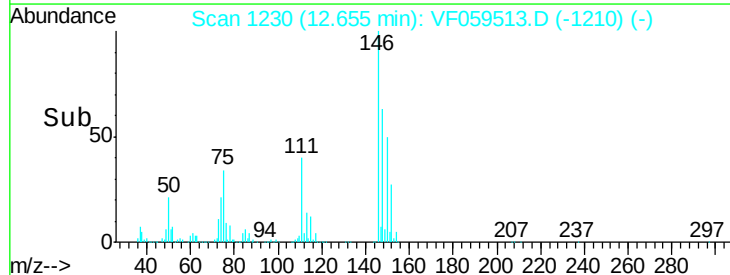
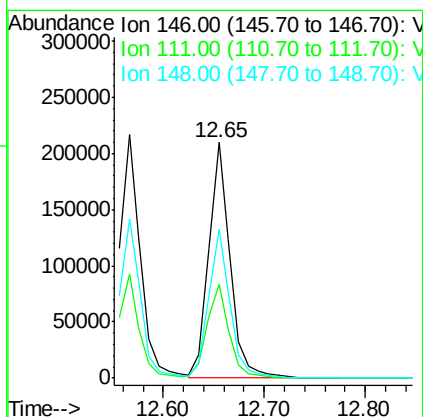
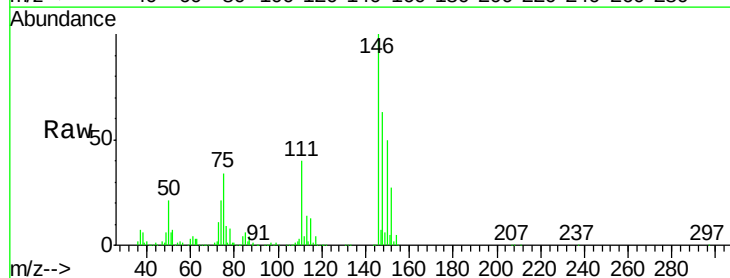
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

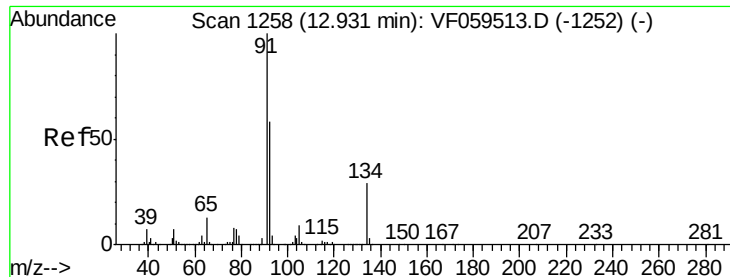
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	65.4	32.7	98.1



#88
 1,4-Dichlorobenzene
 Concen: 46.614 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.0	31.5	94.5

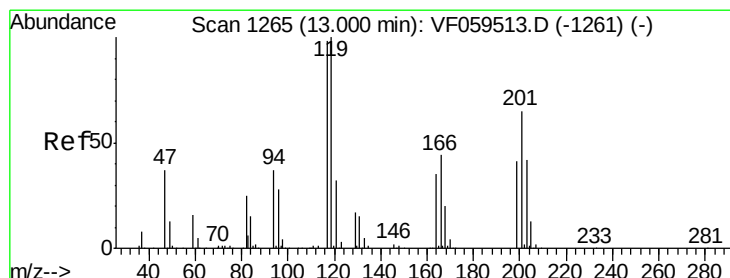
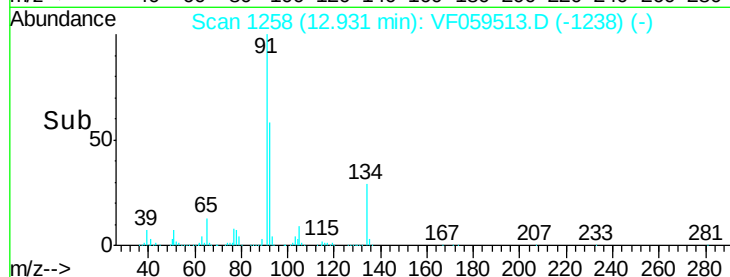
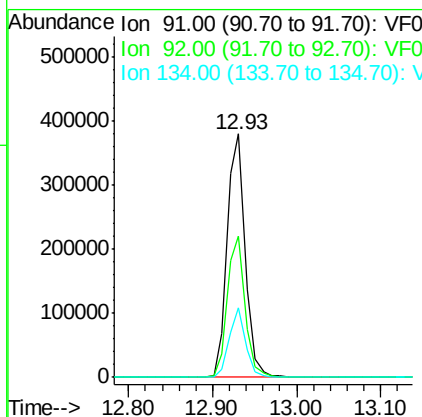
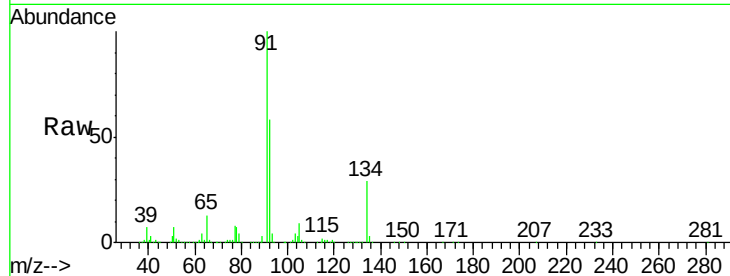




#89
n-Butylbenzene
Concen: 47.723 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

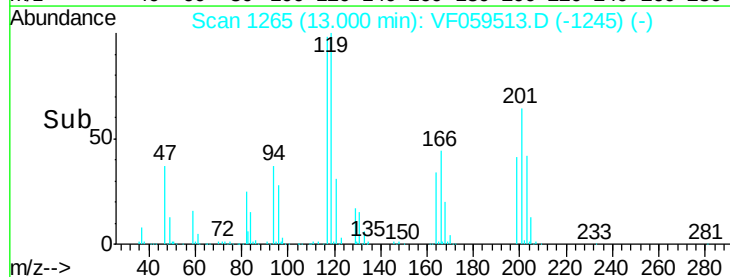
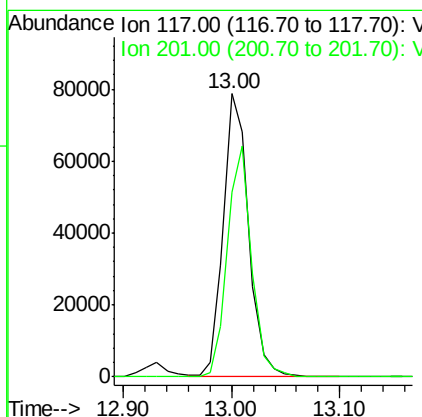
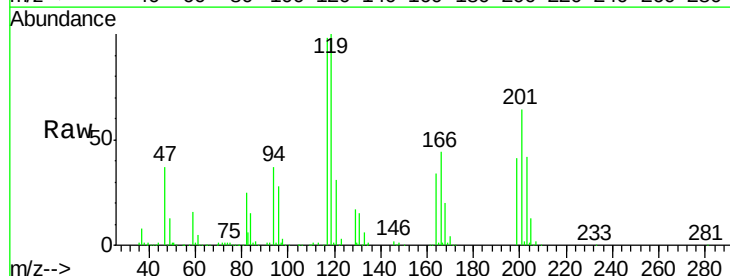
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

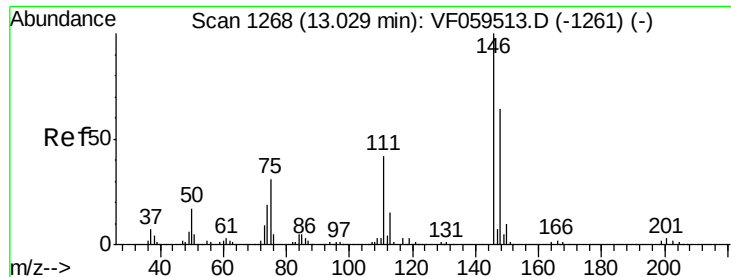
Tot Ion: 91 Resp: 562040
Ion Ratio Lower Upper
91 100
92 58.2 29.1 87.3
134 28.6 14.3 42.9



#90
Hexachloroethane
Concen: 44.543 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 117 Resp: 128636
Ion Ratio Lower Upper
117 100
201 65.3 32.6 98.0





#91

1,2-Dichlorobenzene

Concen: 47.037 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

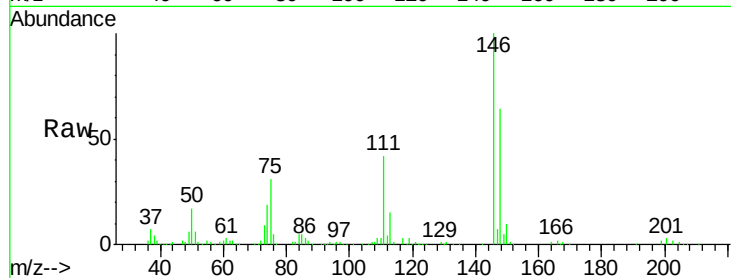
Tot Ion:146 Resp: 301848

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

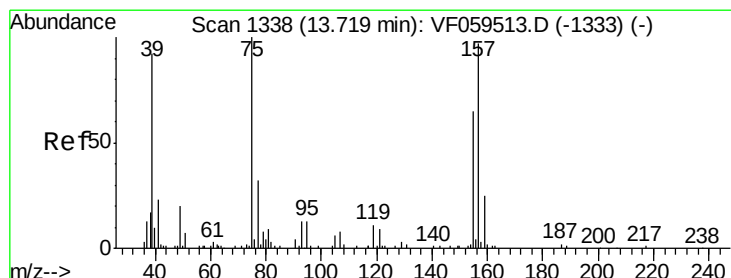
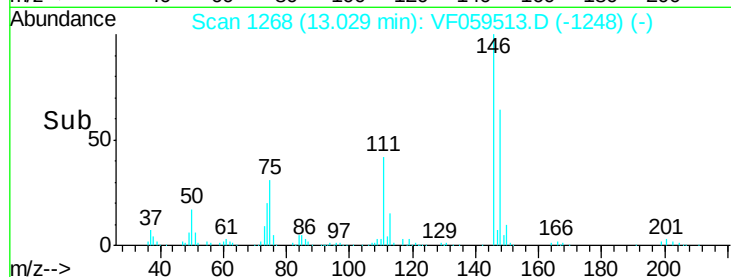
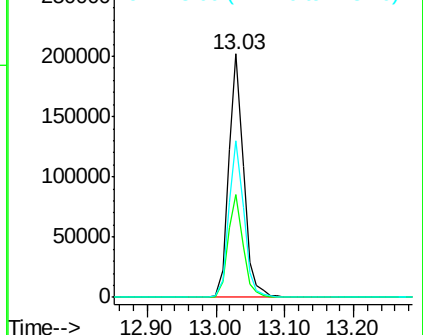
148 64.5 32.3 96.8



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: 48.795 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

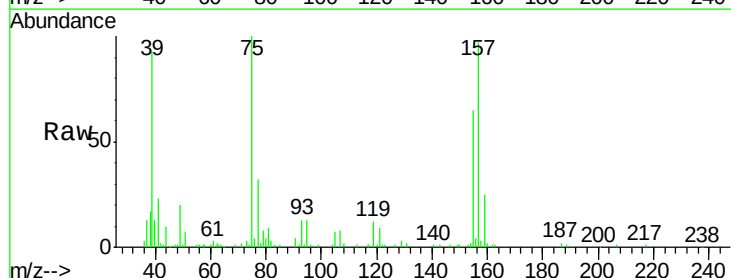
Tgt Ion: 75 Resp: 33893

Ion Ratio Lower Upper

75 100

155 65.5 32.8 98.3

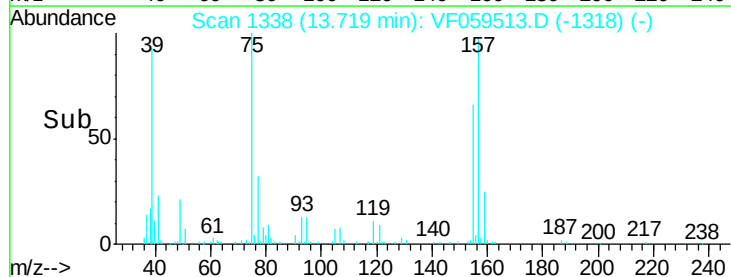
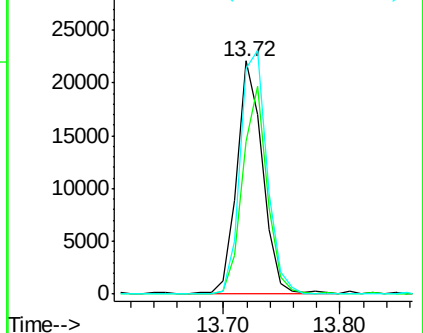
157 97.0 48.5 145.5

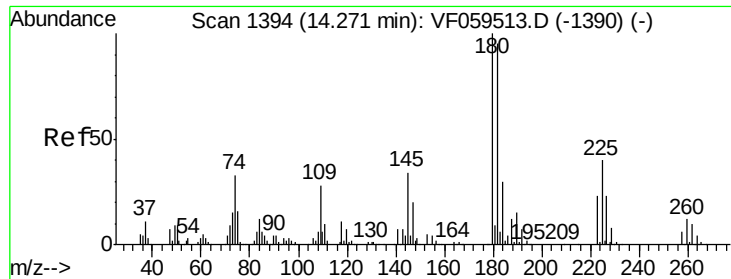


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

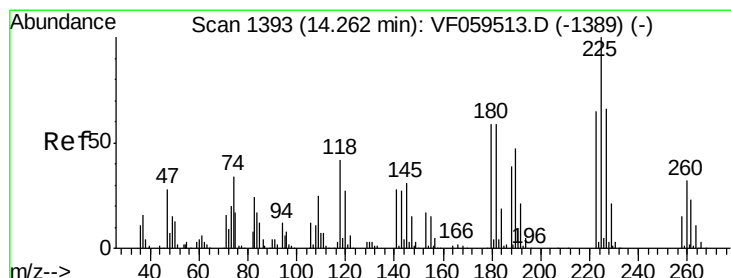
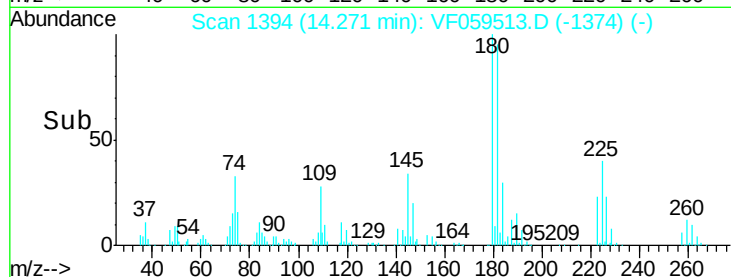
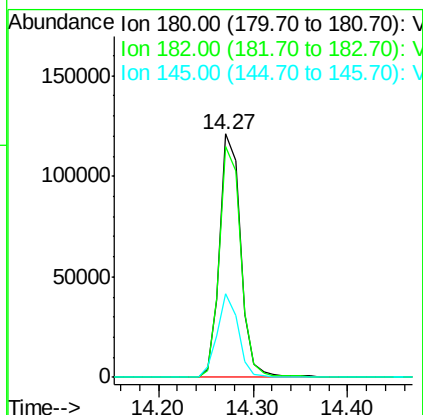
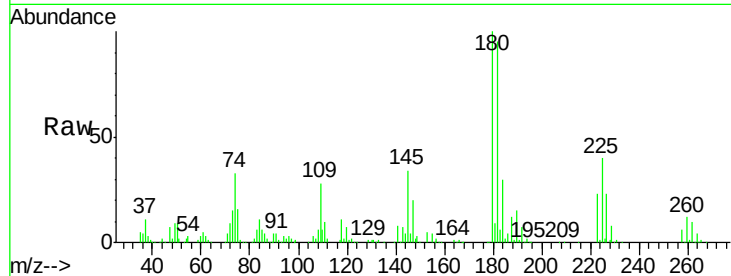




#93
 1,2,4-Trichlorobenzene
 Concen: 46.769 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

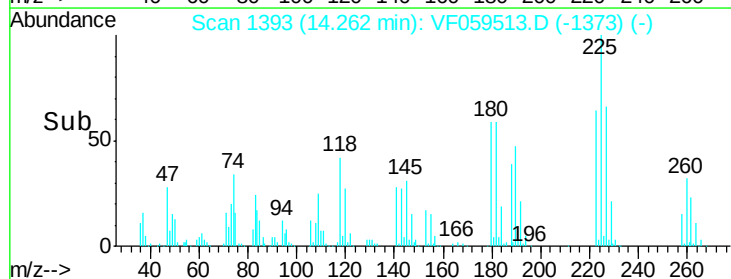
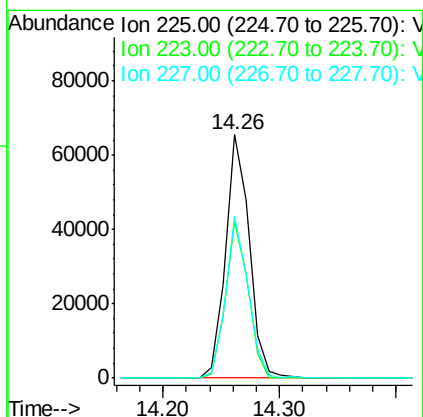
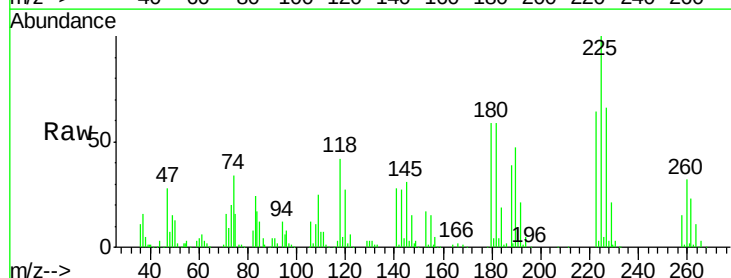
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

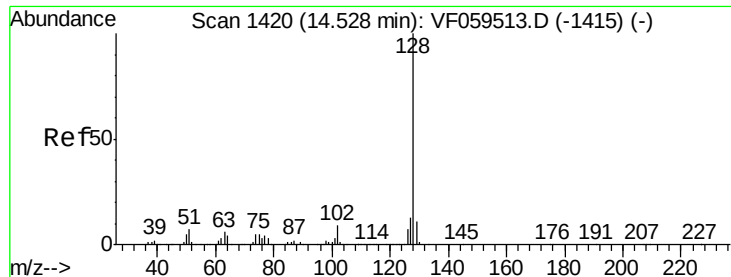
Tot Ion:180 Resp: 187681
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.5 142.5
 145 34.5 17.3 51.7



#94
 Hexachlorobutadiene
 Concen: 51.929 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion:225 Resp: 92224
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.3 96.8
 227 66.4 33.2 99.6

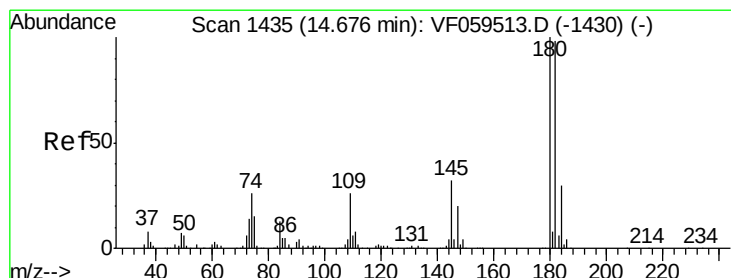
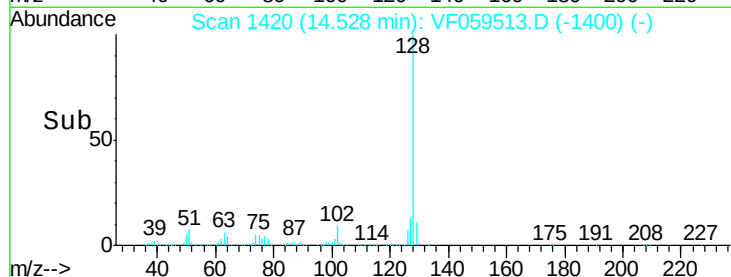
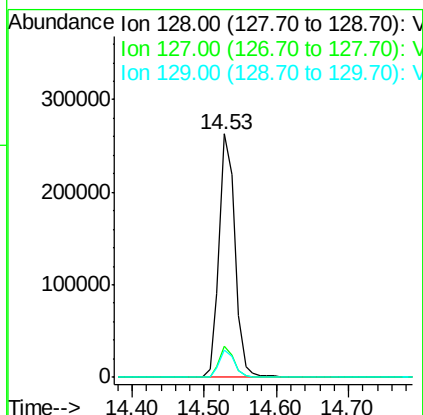
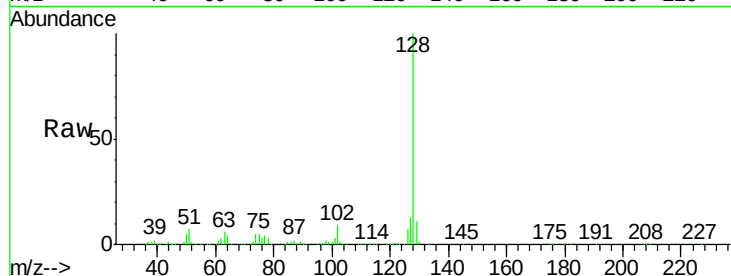




#95
Naphthalene
Concen: 46.907 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 400528
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.2 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 46.845 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion:180 Resp: 163972
Ion Ratio Lower Upper
180 100
182 97.6 48.8 146.4
145 32.4 16.2 48.6

