

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059329.D
 Acq On : 26 Jun 2018 21:22
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 6.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 27 02:23:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	277308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	451051	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	435792	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	247313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	162379	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	
35) Dibromofluoromethane	4.28	113	146201	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	
50) Toluene-d8	7.69	98	387209	47.45	ug/l	-0.01
Spiked Amount			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.49	95	199613	43.37	ug/l	-0.01
Spiked Amount			Recovery	=	86.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	113432	44.771	ug/l	92
3) Chloromethane	1.08	50	81355	47.797	ug/l	96
4) Vinyl Chloride	1.14	62	88496	52.820	ug/l	100
5) Bromomethane	1.34	94	55814	59.888	ug/l	98
6) Chloroethane	1.42	64	42531	50.401	ug/l	92
7) Trichlorofluoromethane	1.48	101	57619	17.391	ug/l	92
8) Diethyl Ether	1.69	74	42331	49.831	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	99747	51.578	ug/l	98
10) Methyl Iodide	1.92	142	63648	18.048	ug/l	96
11) Tert butyl alcohol	2.68	59	56506	236.904	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	88247	53.977	ug/l	87
13) Acrolein	2.08	56	26977	236.126	ug/l	84
14) Allyl chloride	2.18	41	165618	53.965	ug/l	90
15) Acrylonitrile	3.05	53	119359	284.170	ug/l	91
16) Acetone	2.32	43	185597	205.609	ug/l	95
17) Carbon Disulfide	1.83	76	196100	50.991	ug/l #	92
18) Methyl Acetate	2.44	43	84595	52.368	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	307010	50.345	ug/l #	93
20) Methylene Chloride	2.27	84	68661	31.428	ug/l	94
21) trans-1,2-Dichloroethene	2.40	96	93706	53.730	ug/l	92
22) Diisopropyl ether	2.91	45	366985	54.000	ug/l	94
23) Vinyl Acetate	3.31	43	1116584	257.984	ug/l	99
24) 1,1-Dichloroethane	2.98	63	214627	50.937	ug/l	99
25) 2-Butanone	4.49	43	276287	254.973	ug/l	97
26) 2,2-Dichloropropane	3.74	77	140048	48.189	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	144085	54.415	ug/l	81
28) Bromochloromethane	3.87	49	83349	51.649	ug/l	98
29) Tetrahydrofuran	4.23	42	124699	271.361	ug/l	97
30) Chloroform	4.02	83	297596	48.787	ug/l	98
31) Cyclohexane	3.84	56	151152	54.759	ug/l	87
32) 1,1,1-Trichloroethane	4.26	97	219005	49.062	ug/l	99
36) 1,1-Dichloropropene	4.43	75	194700	49.413	ug/l	99
37) Ethyl Acetate	4.27	43	127160	50.462	ug/l #	84
38) Carbon Tetrachloride	4.15	117	247077	49.688	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	177882	50.944	ug/l	96
40) Benzene	4.79	78	423342	48.457	ug/l	100
41) Methacrylonitrile	4.91	41	62735	46.675	ug/l	95
42) 1,2-Dichloroethane	5.09	62	225504	44.173	ug/l	97
43) Isopropyl Acetate	7.10	43	162095	49.388	ug/l #	93
44) Trichloroethene	5.66	130	138525	46.221	ug/l	94
45) 1,2-Dichloropropane	6.38	63	121402	48.637	ug/l	98
46) Dibromomethane	6.24	93	100696	46.479	ug/l	98
47) Bromodichloromethane	6.53	83	241804	46.108	ug/l	97
48) Methyl methacrylate	6.86	41	104014	47.285	ug/l	94
49) 1,4-Dioxane	6.85	88	15741	1356.332	ug/l	96
51) 4-Methyl-2-Pentanone	8.39	43	565384	232.522	ug/l	97
52) Toluene	7.76	92	307967	47.109	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	205140	42.914	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	229638	44.226	ug/l	90
55) 1,1,2-Trichloroethane	8.62	97	118875	46.834	ug/l	96
56) Ethyl methacrylate	8.74	69	155414	49.428	ug/l	94
57) 1,3-Dichloropropane	8.98	76	203948	46.851	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	53630	227.422	ug/l	100
59) 2-Hexanone	9.61	43	445782	243.603	ug/l	99
60) Dibromochloromethane	8.84	129	177964	45.415	ug/l	98
61) 1,2-Dibromoethane	9.12	107	137887	44.793	ug/l	97
64) Tetrachloroethene	8.29	164	141900	50.204	ug/l	98
65) Chlorobenzene	9.92	112	386147	47.818	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	163342	46.768	ug/l	99
67) Ethyl Benzene	10.02	91	651812	47.580	ug/l	99
68) m/p-Xylenes	10.25	106	466500	95.674	ug/l	98
69) o-Xylene	10.81	106	264647	48.525	ug/l	97
70) Styrene	10.89	104	398195	47.930	ug/l	98
71) Bromoform	10.87	173	111840	46.719	ug/l	98
73) Isopropylbenzene	11.22	105	752972	52.261	ug/l	98
74) N-amyl acetate	11.45	43	280175	53.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	179759	49.401	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	133221	48.535	ug/l	96
77) Bromobenzene	11.58	156	201748	50.471	ug/l	89
78) n-propylbenzene	11.68	91	882155	50.982	ug/l	100
79) 2-Chlorotoluene	11.80	91	528252	49.970	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	636069	50.399	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	79175	48.465	ug/l	93
82) 4-Chlorotoluene	11.97	91	561832	49.618	ug/l	93
83) tert-Butylbenzene	12.20	119	636543	50.428	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	666754	50.162	ug/l	98
85) sec-Butylbenzene	12.38	105	846760	50.608	ug/l	99
86) p-Isopropyltoluene	12.53	119	719322	51.228	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	354265	54.052	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	355512	49.800	ug/l	98
89) n-Butylbenzene	12.91	91	724101	50.798	ug/l	97
90) Hexachloroethane	12.98	117	179583	51.314	ug/l	78
91) 1,2-Dichlorobenzene	13.01	146	359003	49.471	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	38244	47.412	ug/l	72

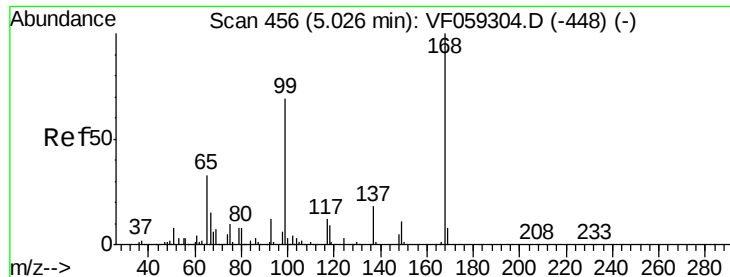
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	268770	50.089	ug/l	97
94) Hexachlorobutadiene	14.24	225	154301	51.482	ug/l	92
95) Naphthalene	14.51	128	585223	52.128	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260265	51.201	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

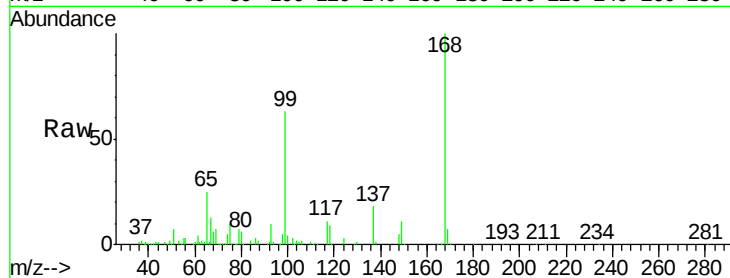
VSTDCCC050EC

Tot Ion:168 Resp: 277308

Ion Ratio Lower Upper

168 100

99 63.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

60000

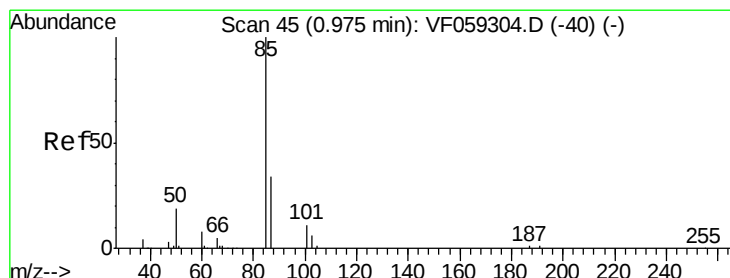
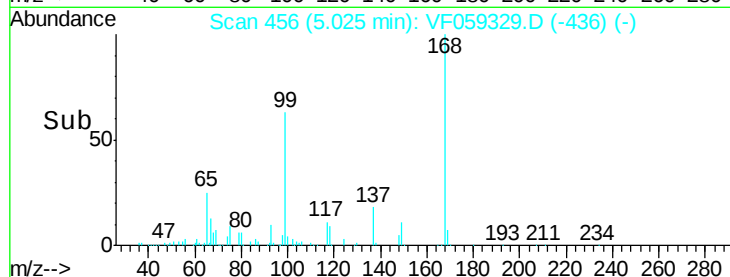
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 44.771 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059329.D

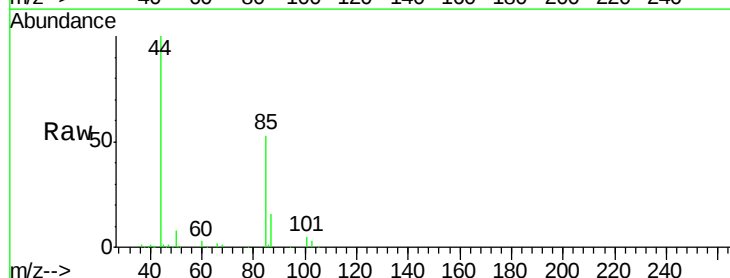
Acq: 26 Jun 2018 21:22

Tgt Ion: 85 Resp: 113432

Ion Ratio Lower Upper

85 100

87 29.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

30000

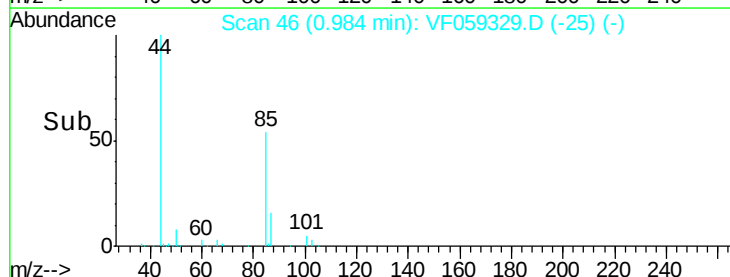
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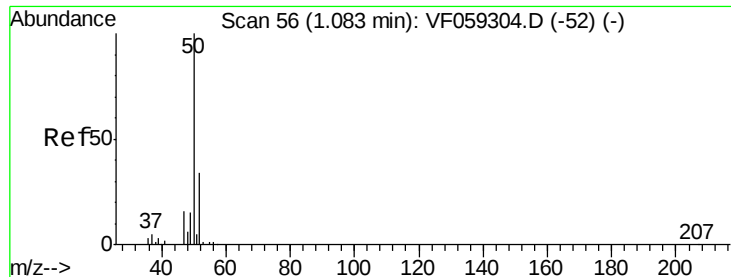
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.797 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

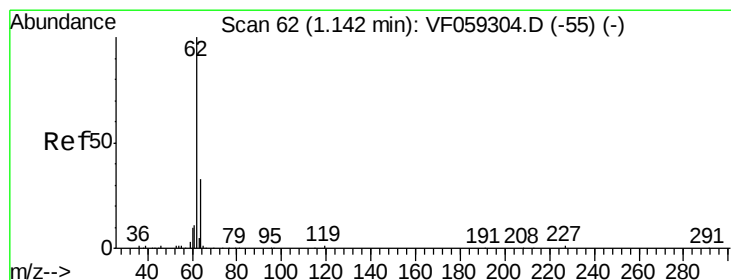
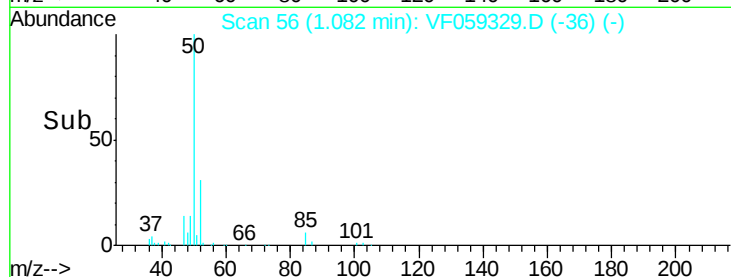
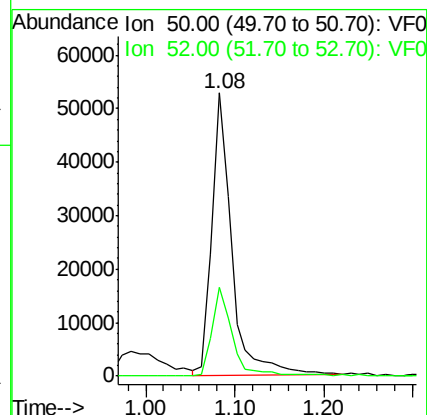
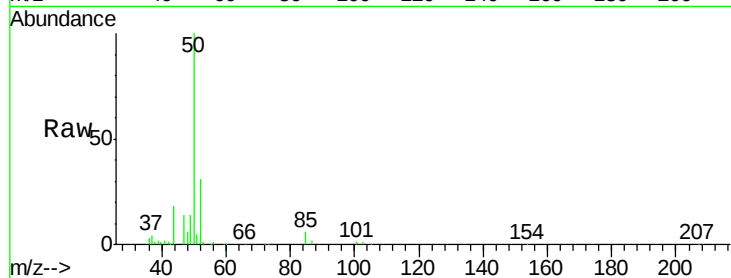
VSTDCCC050EC

Tot Ion: 50 Resp: 81355

Ion Ratio Lower Upper

50 100

52 31.2 26.7 40.1



#4

Vinyl Chloride

Concen: 52.820 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059329.D

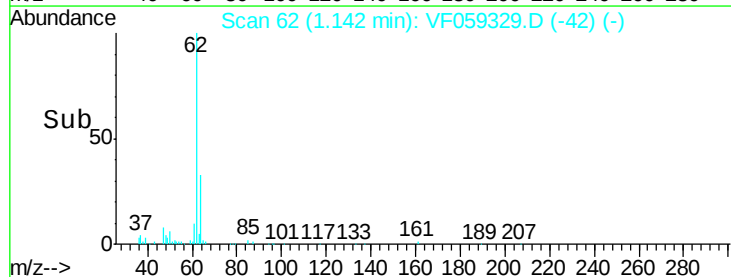
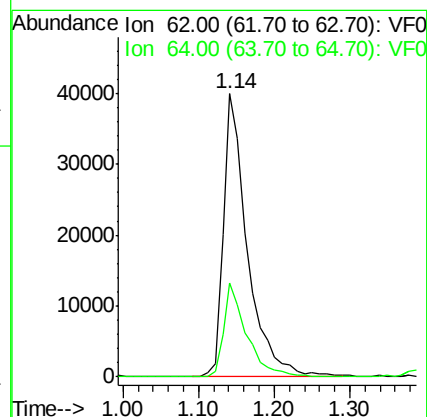
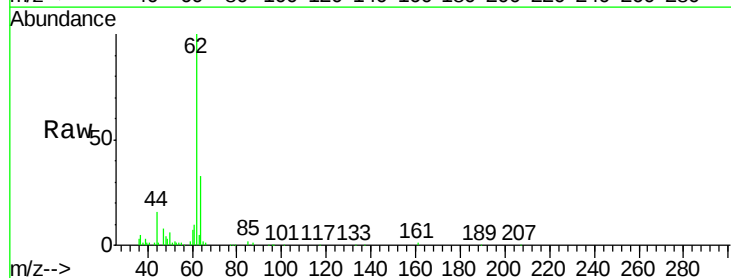
Acq: 26 Jun 2018 21:22

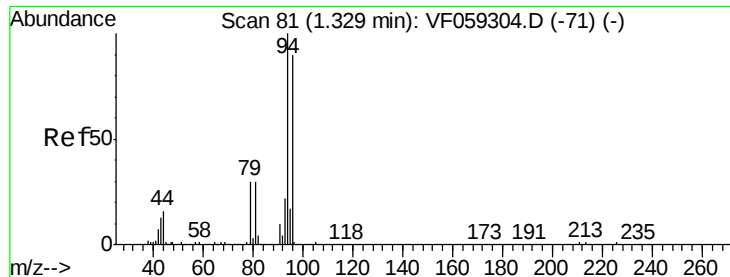
Tgt Ion: 62 Resp: 88496

Ion Ratio Lower Upper

62 100

64 33.1 26.3 39.5





#5

Bromomethane

Concen: 59.888 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

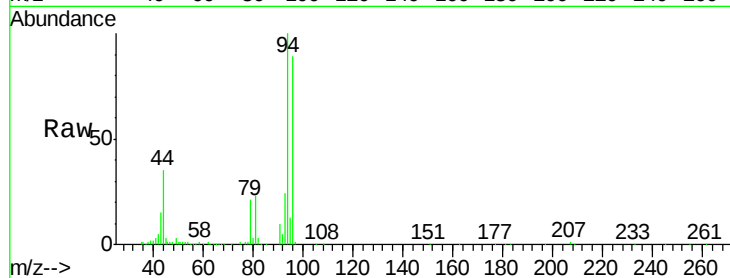
VSTDCCC050EC

Tot Ion: 94 Resp: 55814

Ion Ratio Lower Upper

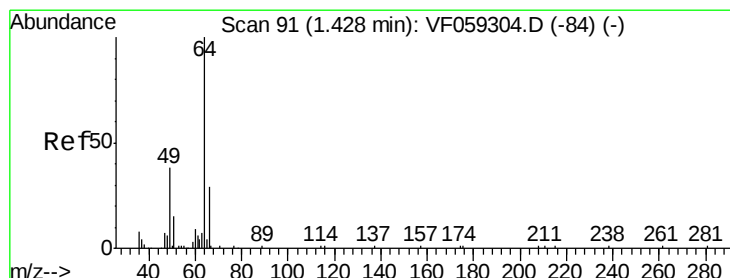
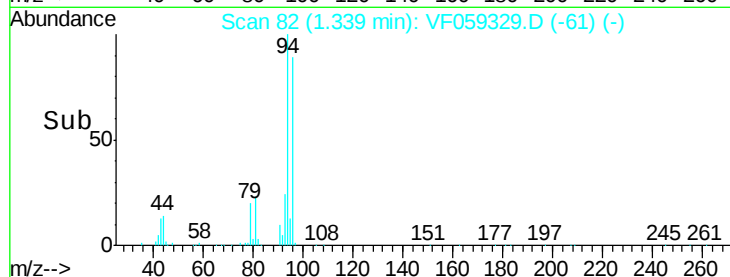
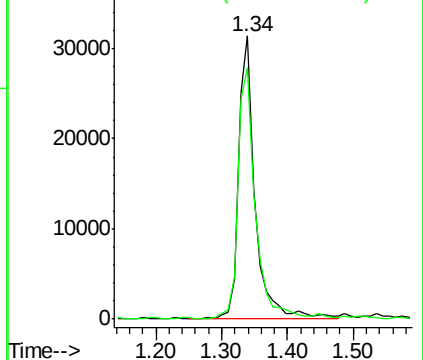
94 100

96 89.7 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 50.401 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059329.D

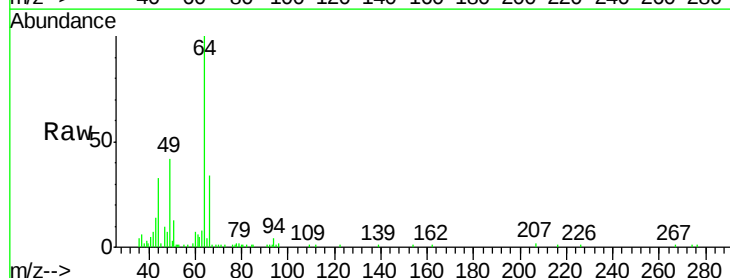
Acq: 26 Jun 2018 21:22

Tgt Ion: 64 Resp: 42531

Ion Ratio Lower Upper

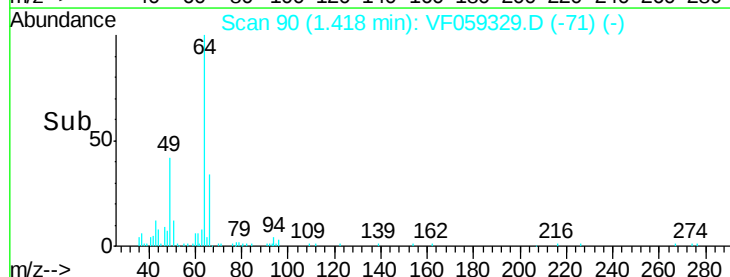
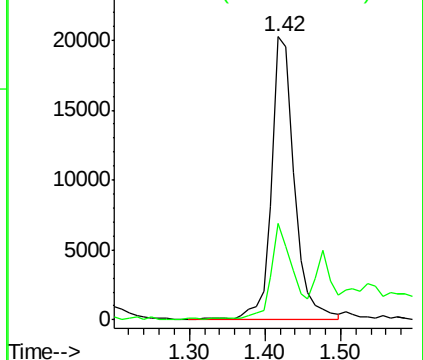
64 100

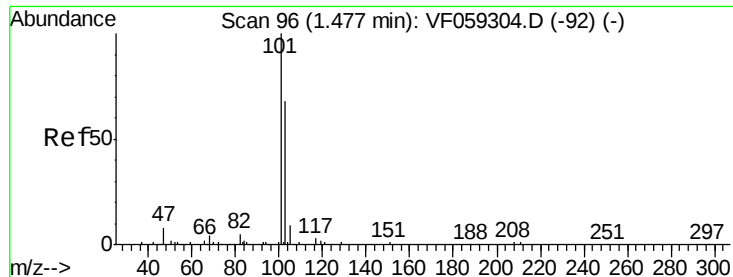
66 34.2 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 17.391 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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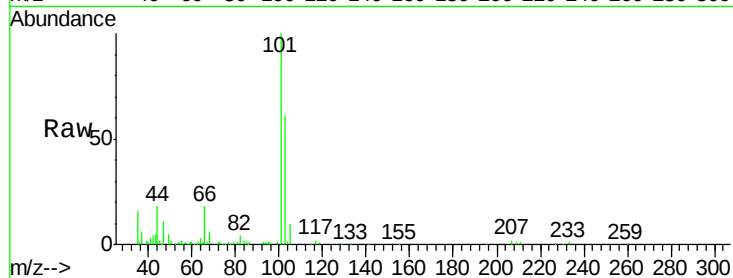
VSTDCCC050EC

Tot Ion:101 Resp: 57619

Ion Ratio Lower Upper

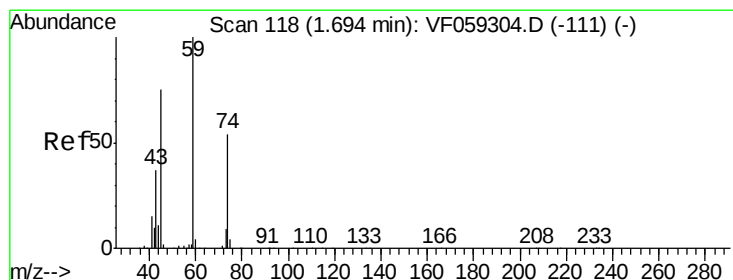
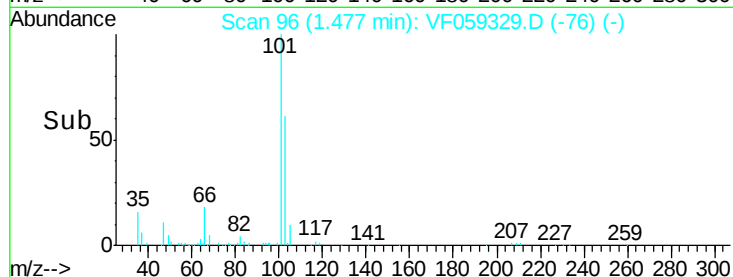
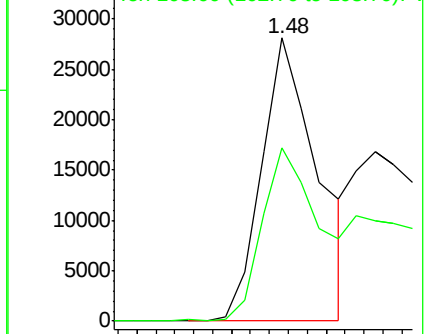
101 100

103 61.4 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.831 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059329.D

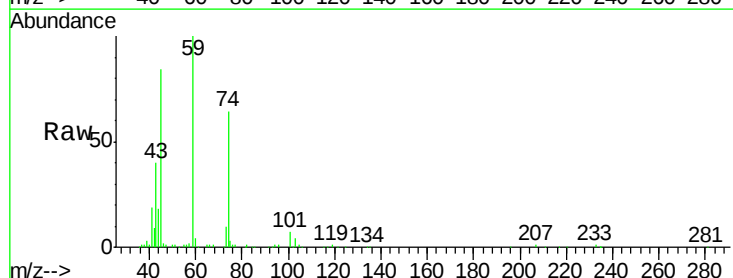
Acq: 26 Jun 2018 21:22

Tgt Ion: 74 Resp: 42331

Ion Ratio Lower Upper

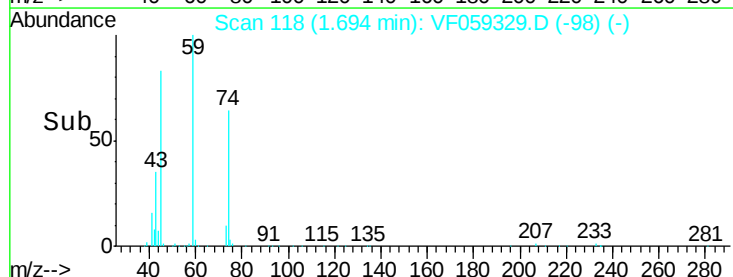
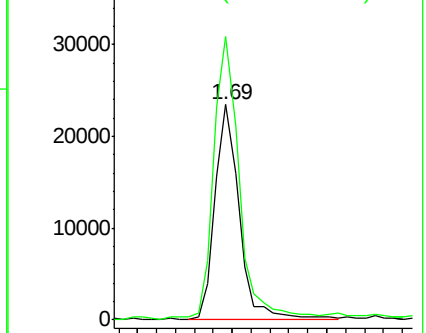
74 100

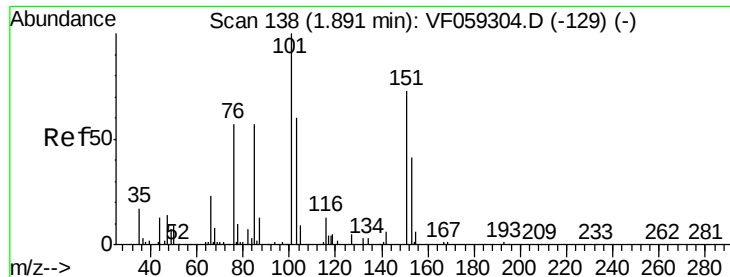
45 131.4 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.578 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

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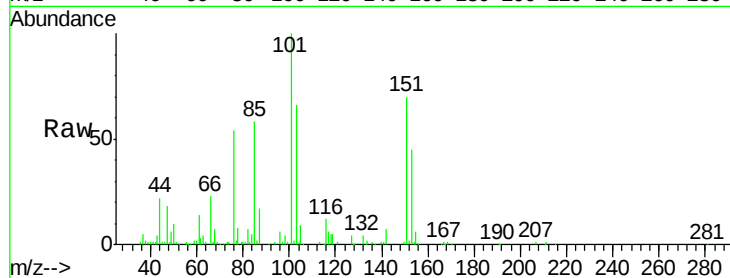
Tot Ion:101 Resp: 99747

Ion Ratio Lower Upper

101 100

85 58.0 44.5 66.7

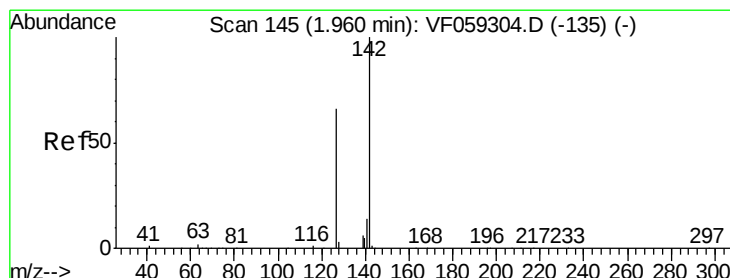
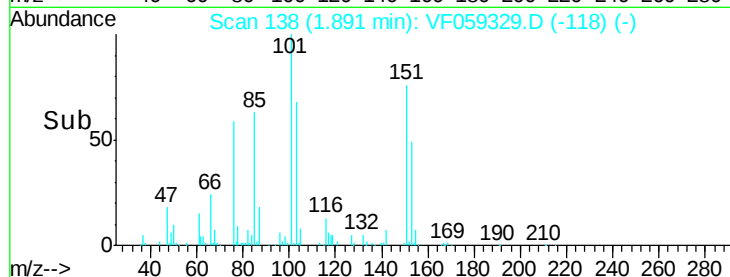
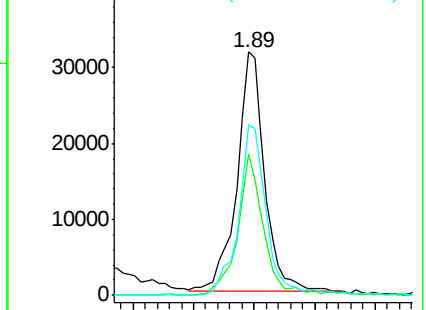
151 69.9 56.8 85.2



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: 18.048 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.04 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

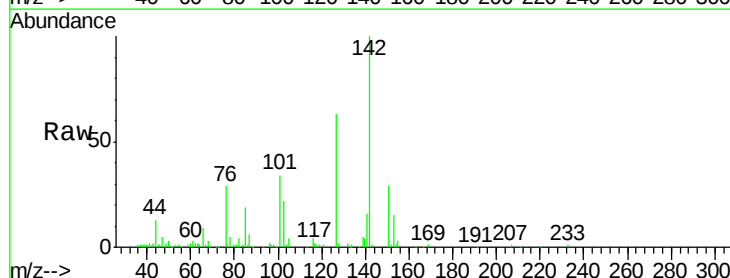
Tgt Ion:142 Resp: 63648

Ion Ratio Lower Upper

142 100

127 62.6 52.5 78.7

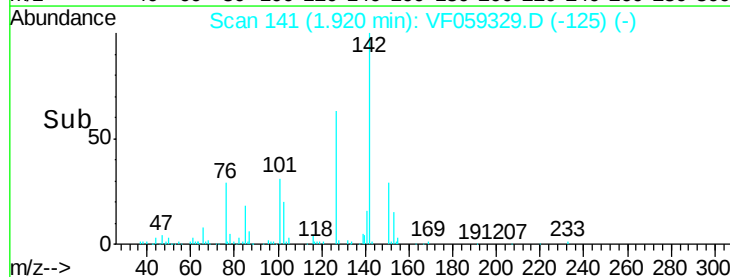
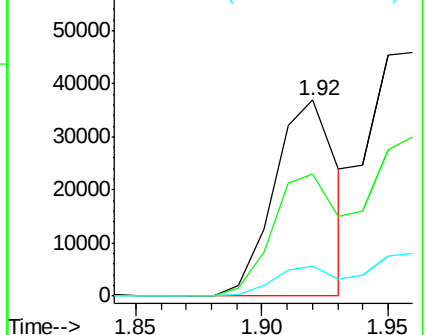
141 15.6 11.5 17.3

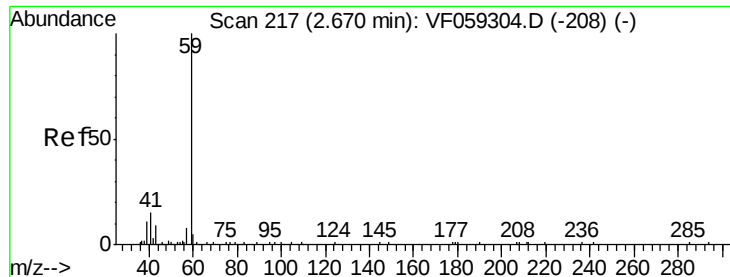


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



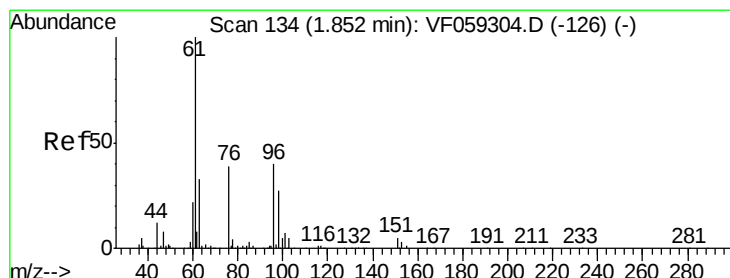
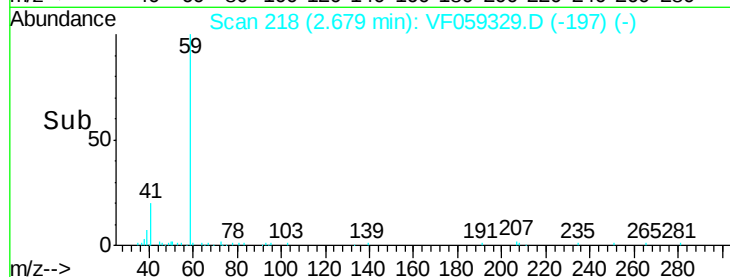
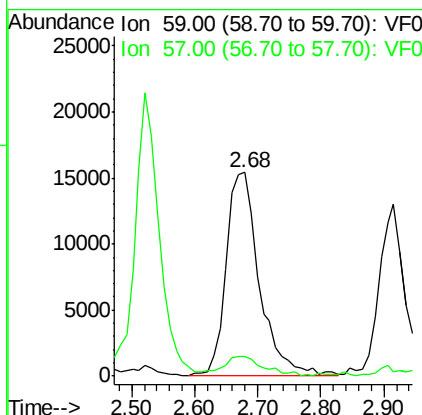
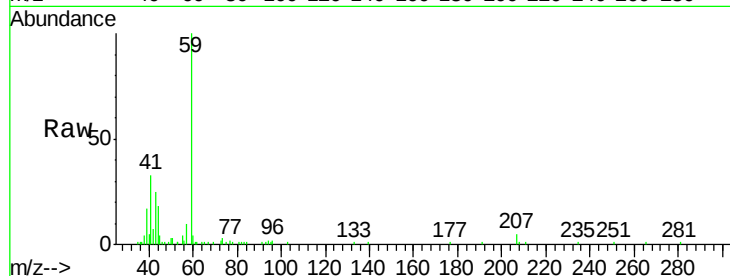


#11

Tert butyl alcohol
Concen: 236.904 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

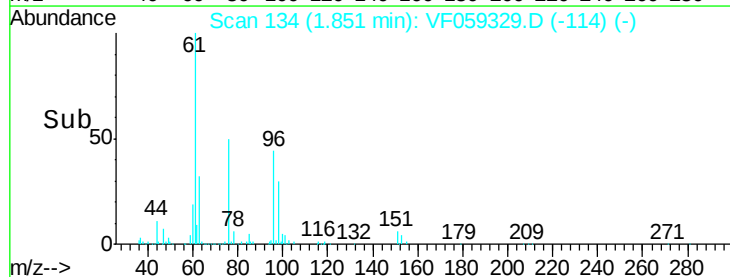
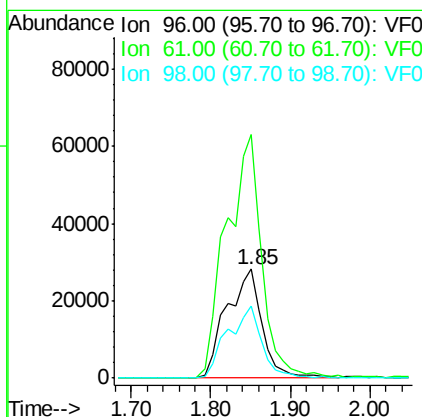
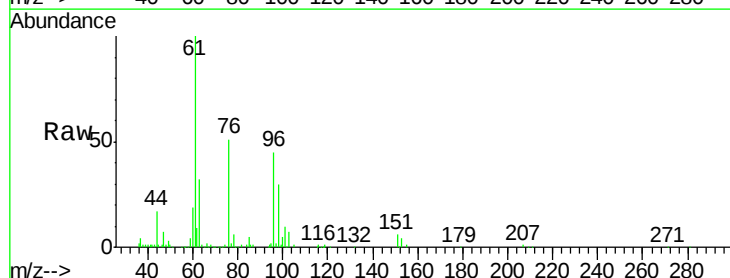
Tot Ion: 59 Resp: 56506
Ion Ratio Lower Upper
59 100
57 9.6 11.0 16.4#

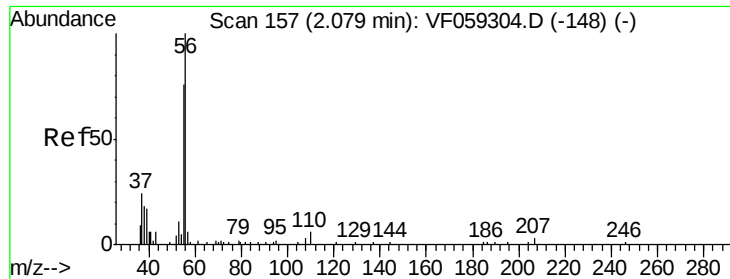


#12

1,1-Dichloroethene
Concen: 53.977 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 96 Resp: 88247
Ion Ratio Lower Upper
96 100
61 223.8 201.1 301.7
98 66.2 53.9 80.9

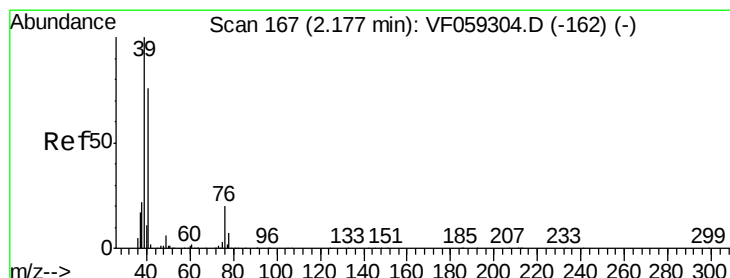
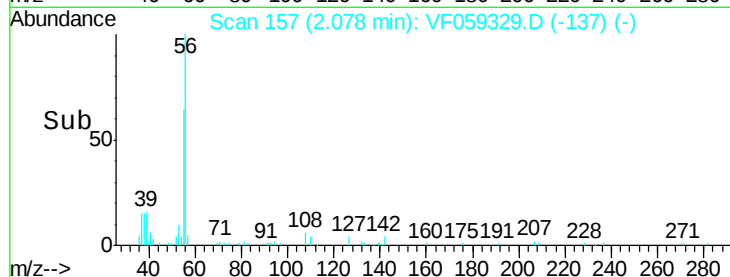
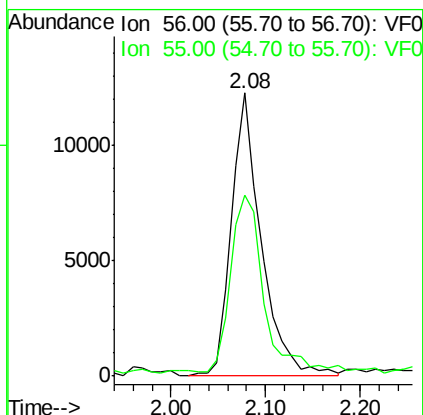
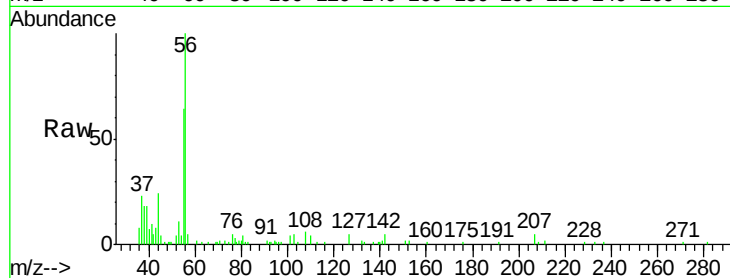




#13
Acrolein
Concen: 236.126 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

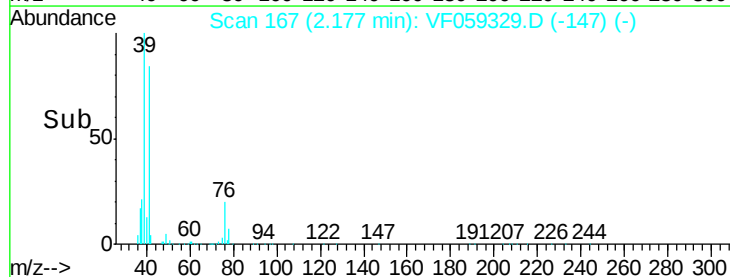
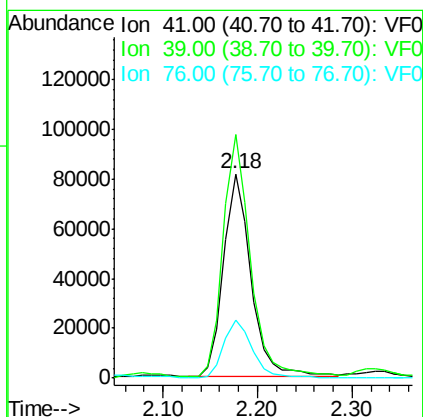
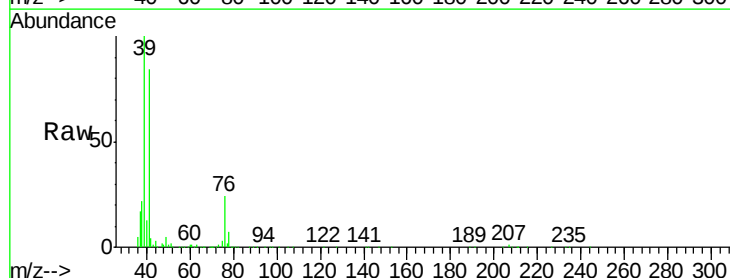
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

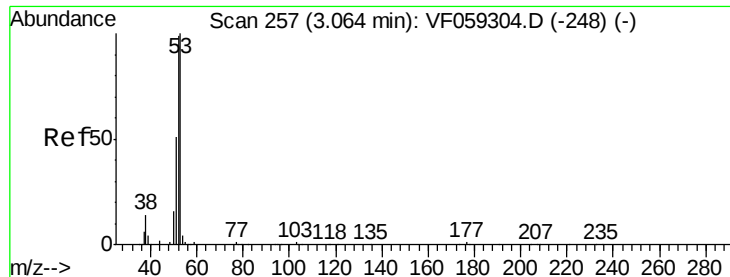
Tot Ion: 56 Resp: 26977
Ion Ratio Lower Upper
56 100
55 64.1 62.4 93.6



#14
Allyl chloride
Concen: 53.965 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 41 Resp: 165618
Ion Ratio Lower Upper
41 100
39 119.3 105.6 158.4
76 28.7 21.6 32.4





#15

Acrylonitrile

Concen: 284.170 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

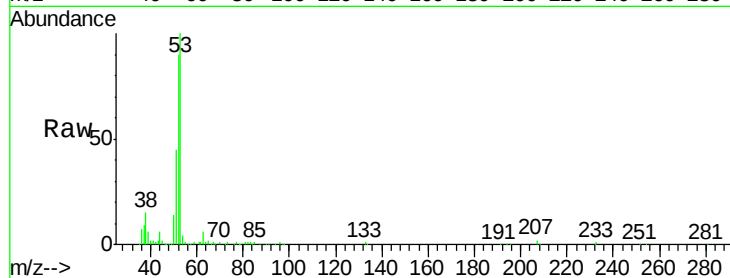
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 119359

Ion	Ratio	Lower	Upper
53	100		
52	90.4	79.2	118.8
51	45.0	40.9	61.3



Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

50000

40000

30000

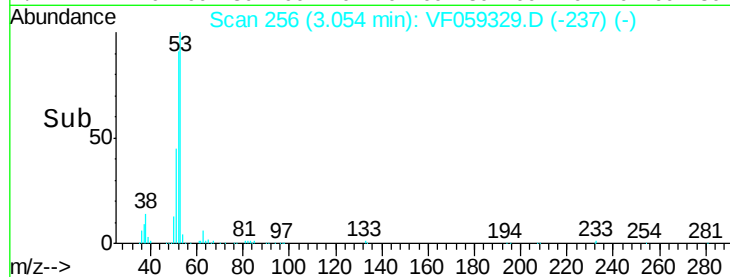
20000

10000

0

3.05

Time-->



#16

Acetone

Concen: 205.609 ug/l

RT: 2.32 min Scan# 182

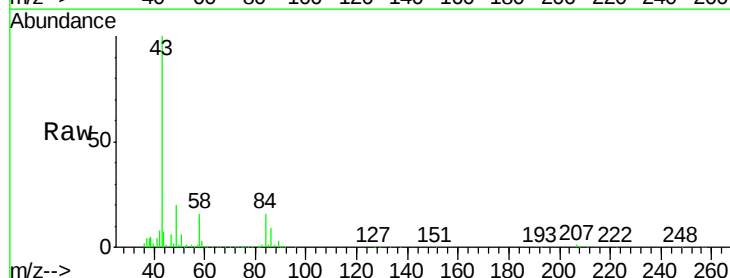
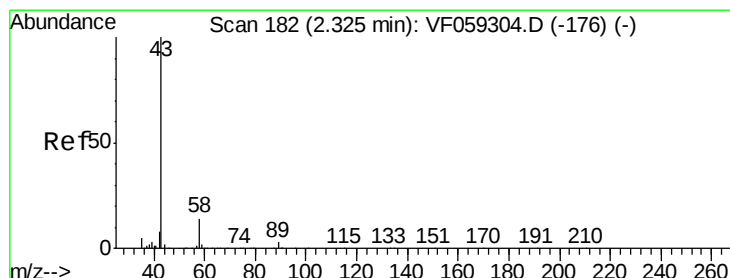
Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion: 43 Resp: 185597

Ion	Ratio	Lower	Upper
43	100		
58	16.3	11.4	17.0



Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

80000

60000

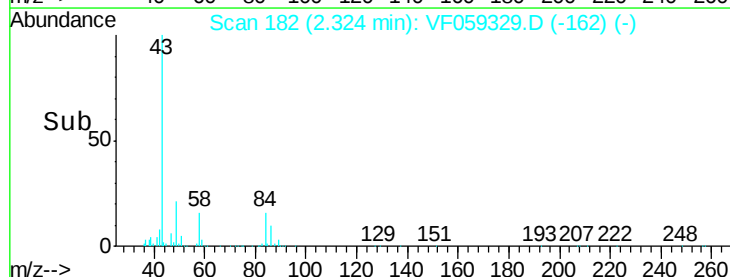
40000

20000

0

2.32

Time-->

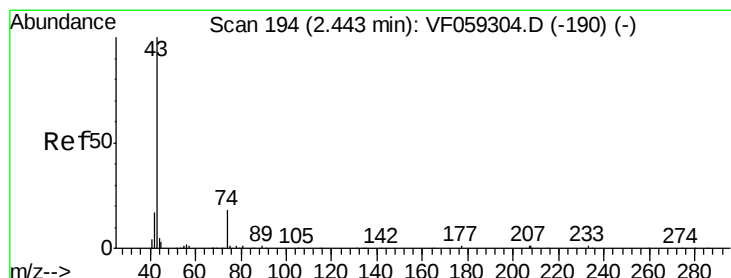
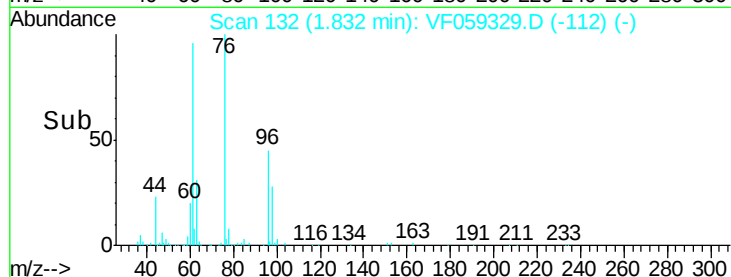
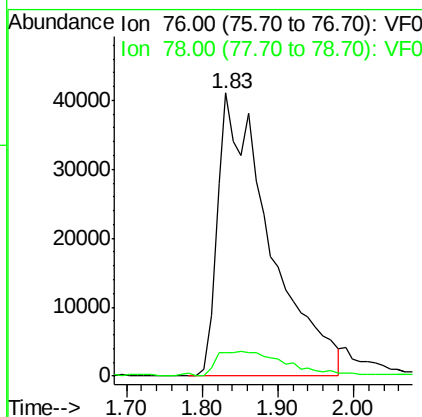
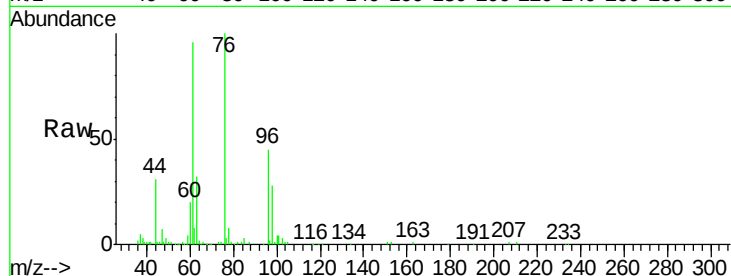




#17
Carbon Disulfide
Concen: 50.991 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

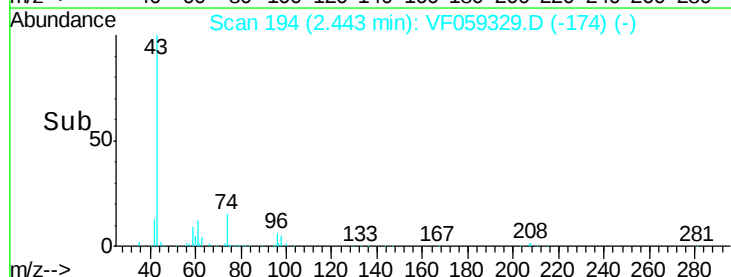
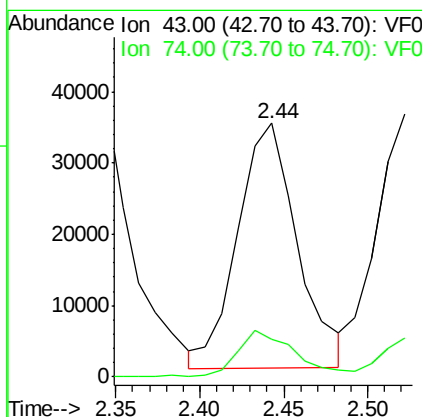
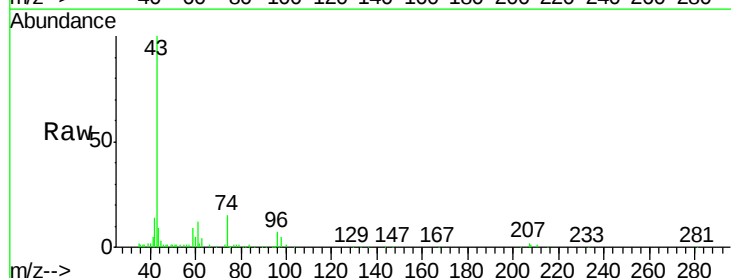
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

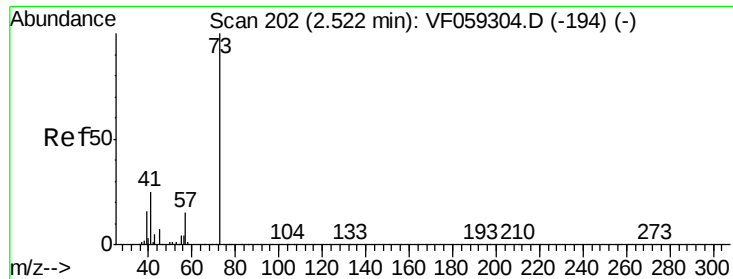
Tot Ion: 76 Resp: 196100
Ion Ratio Lower Upper
76 100
78 8.2 8.9 13.3#



#18
Methyl Acetate
Concen: 52.368 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 43 Resp: 84595
Ion Ratio Lower Upper
43 100
74 15.0 13.3 19.9

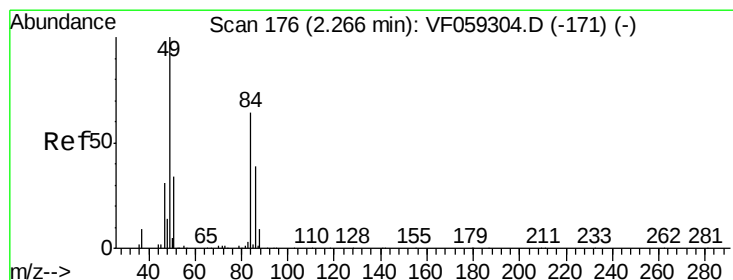
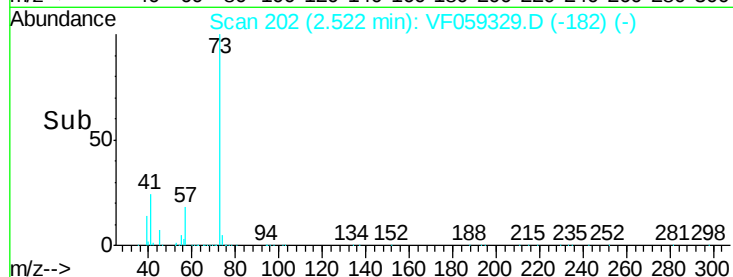
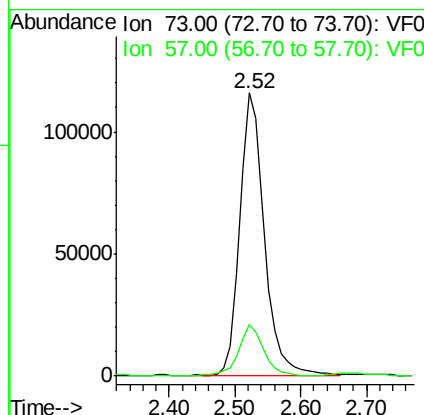
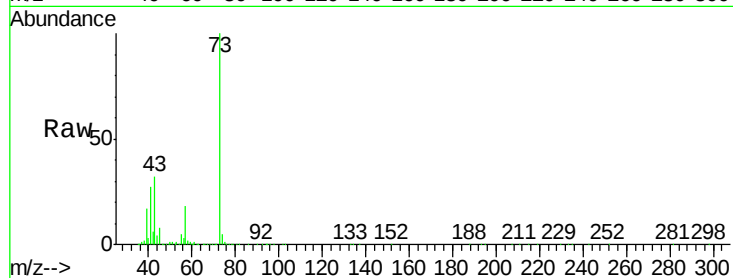




#19
Methyl tert-butyl Ether
Concen: 50.345 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

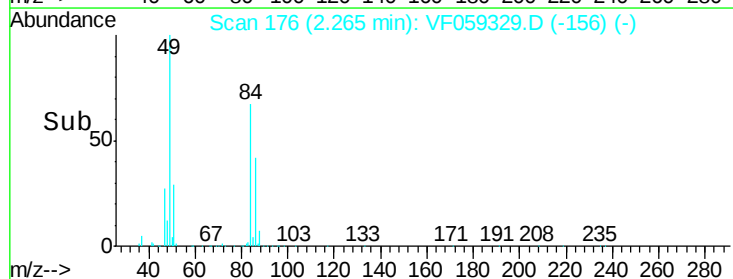
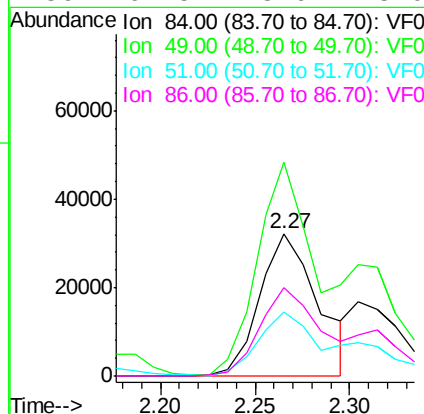
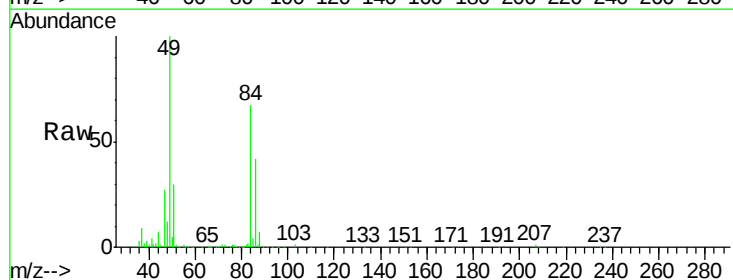
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

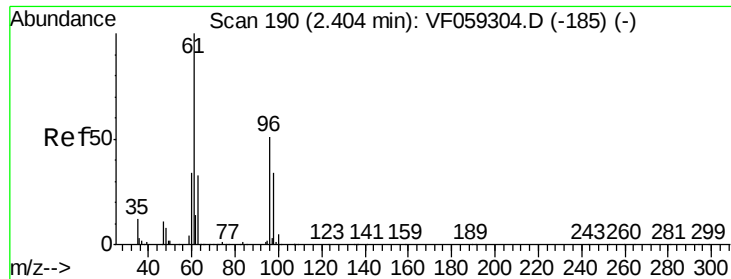
Tot Ion: 73 Resp: 307010
Ion Ratio Lower Upper
73 100
57 18.5 12.3 18.5#



#20
Methylene Chloride
Concen: 31.428 ug/l
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 84 Resp: 68661
Ion Ratio Lower Upper
84 100
49 150.3 126.5 189.7
51 44.9 42.9 64.3
86 62.5 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 53.730 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

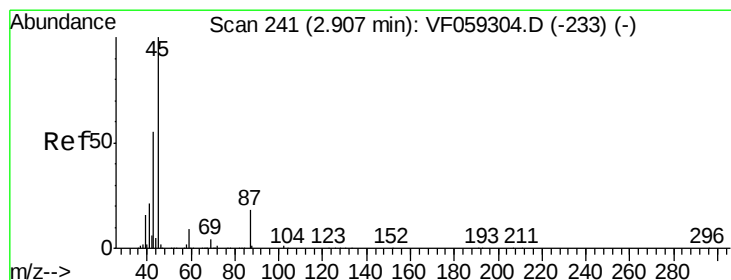
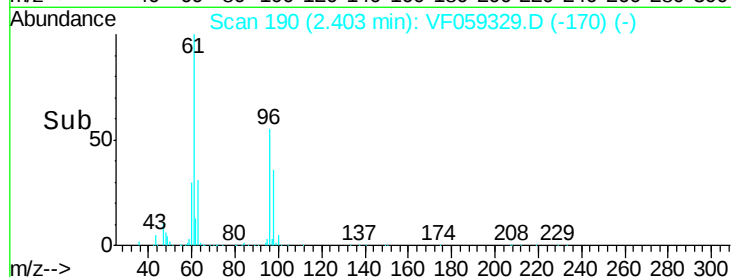
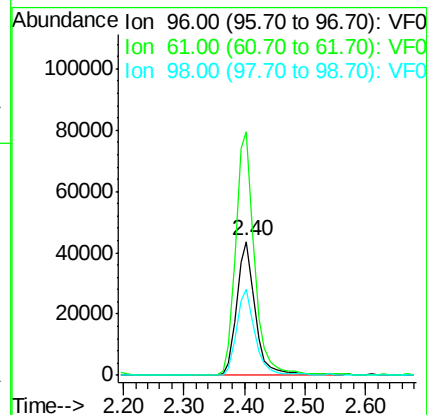
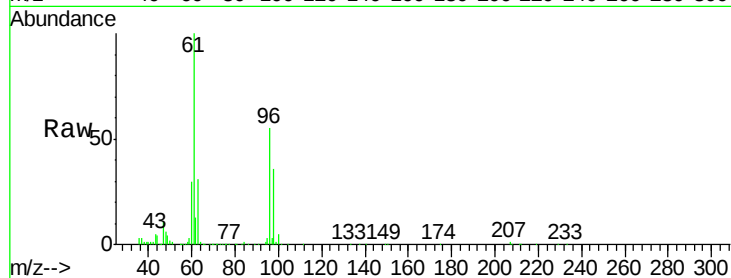
Tot Ion: 96 Resp: 93706

Ion Ratio Lower Upper

96 100

61 181.7 157.4 236.2

98 64.7 53.7 80.5



#22

Diisopropyl ether

Concen: 54.000 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion: 45 Resp: 366985

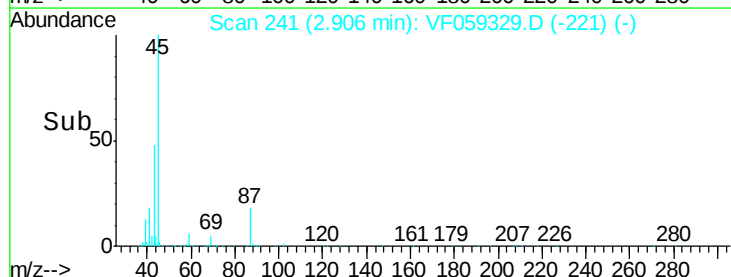
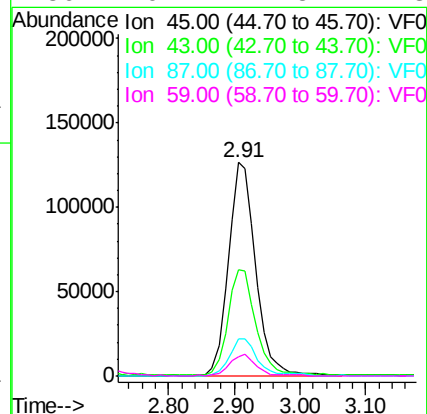
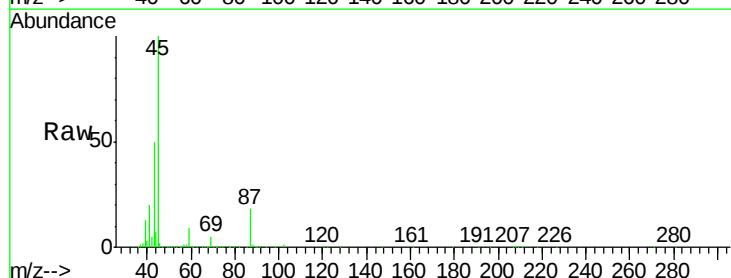
Ion Ratio Lower Upper

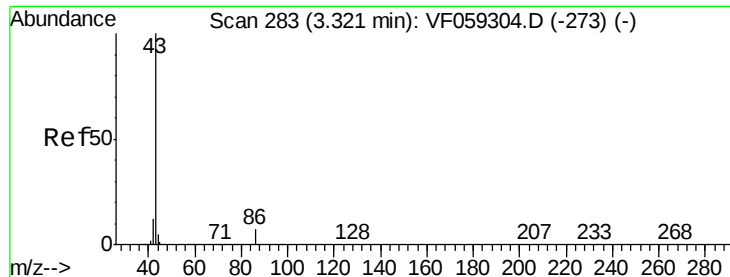
45 100

43 49.6 44.6 66.8

87 17.5 14.3 21.5

59 9.2 7.5 11.3





#23

Vinyl Acetate

Concen: 257.984 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

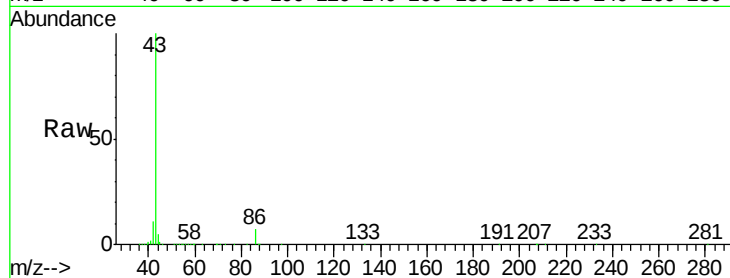
VSTDCCC050EC

Tot Ion: 43 Resp: 1116584

Ion Ratio Lower Upper

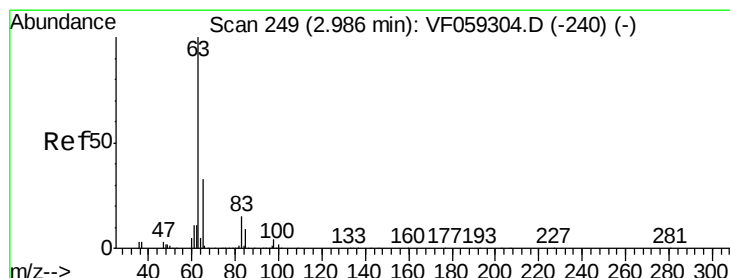
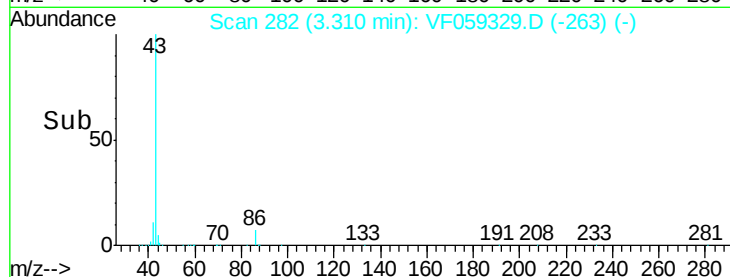
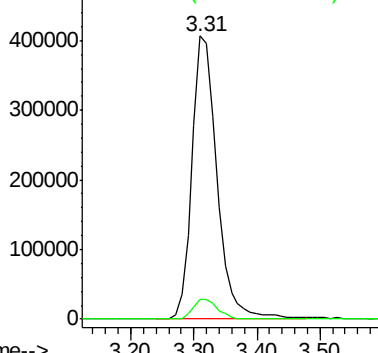
43 100

86 6.8 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 50.937 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

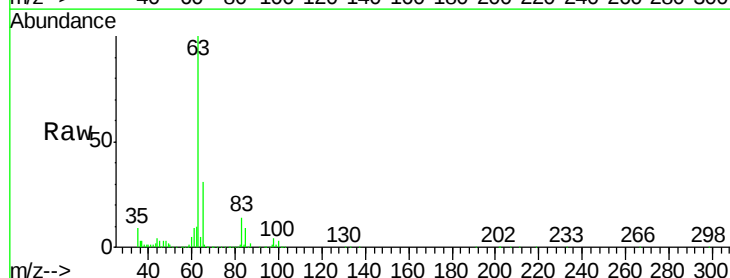
Tgt Ion: 63 Resp: 214627

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

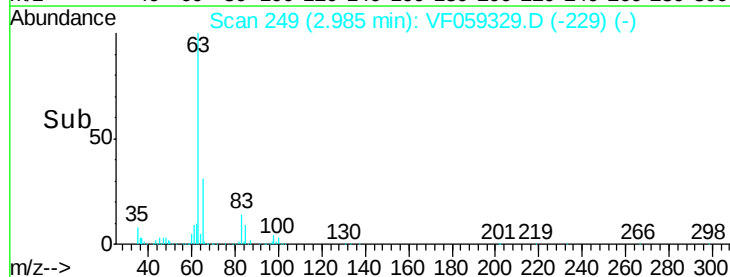
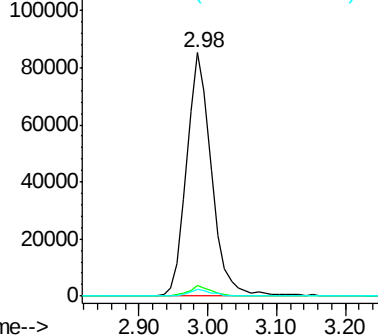
100 2.6 1.3 3.9

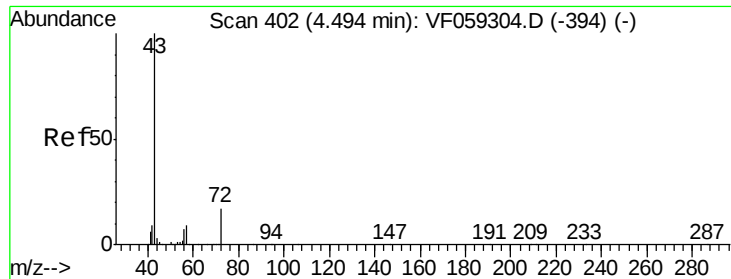


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 254.973 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

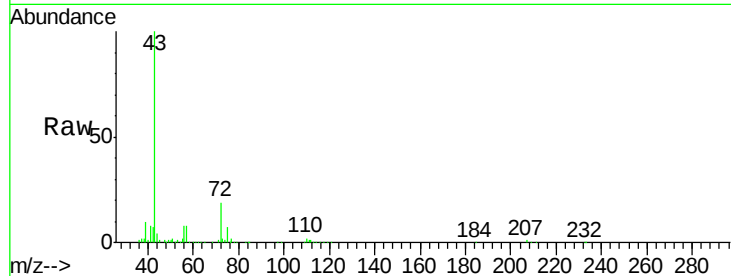
VSTDCCC050EC

Tot Ion: 43 Resp: 276287

Ion Ratio Lower Upper

43 100

72 19.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.49

80000

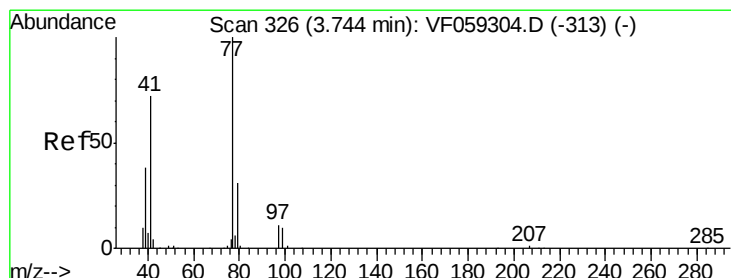
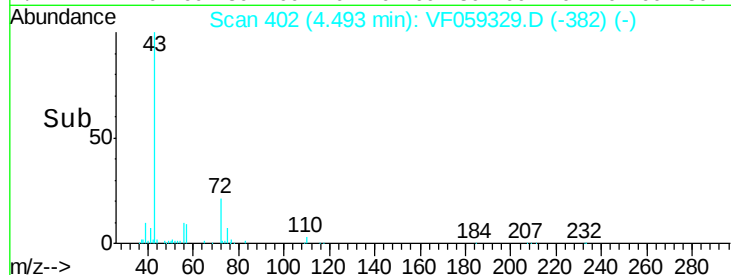
60000

40000

20000

0

Time--> 4.30 4.40 4.50 4.60 4.70



#26

2,2-Dichloropropane

Concen: 48.189 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059329.D

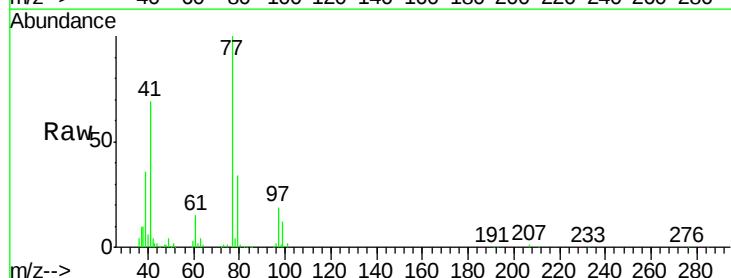
Acq: 26 Jun 2018 21:22

Tgt Ion: 77 Resp: 140048

Ion Ratio Lower Upper

77 100

97 18.8 8.0 23.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.74

40000

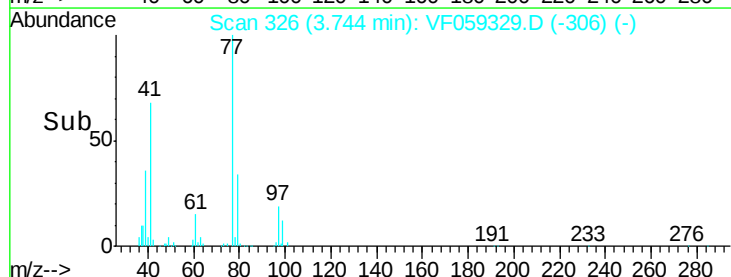
30000

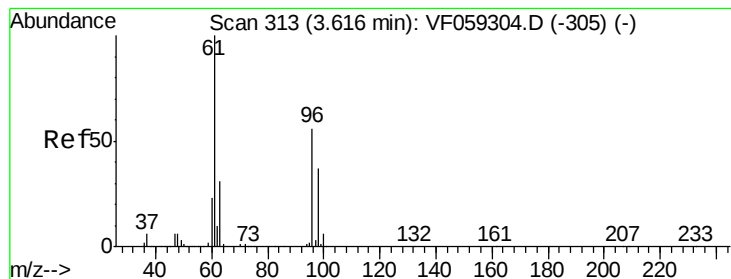
20000

10000

0

Time--> 3.60 3.70 3.80 3.90



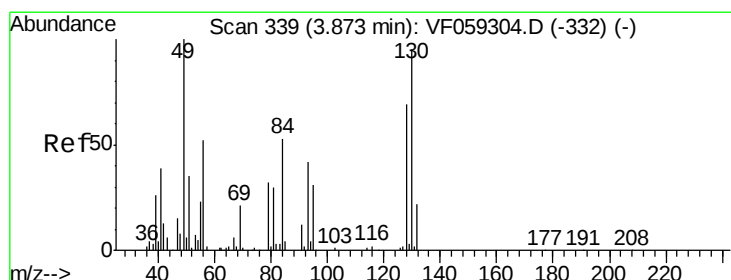
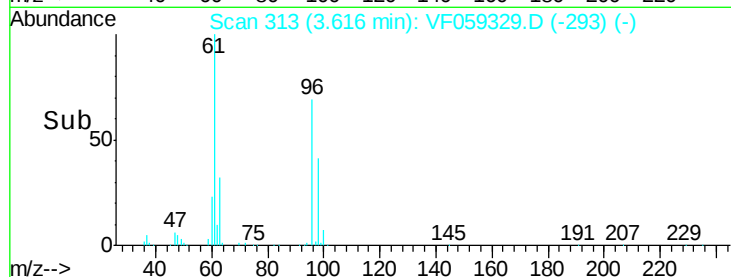
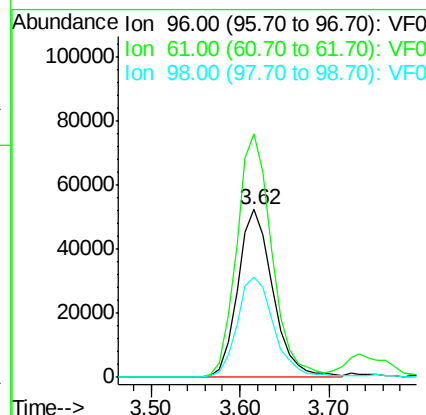
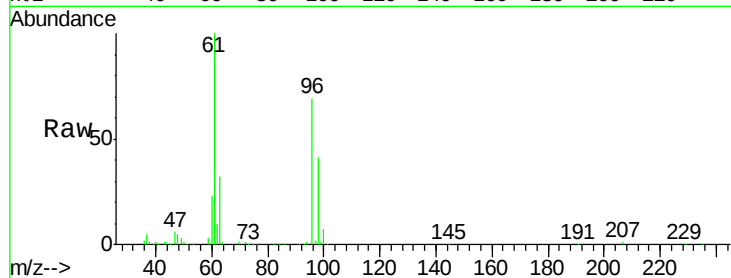


#27

cis-1,2-Dichloroethene
Concen: 54.415 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

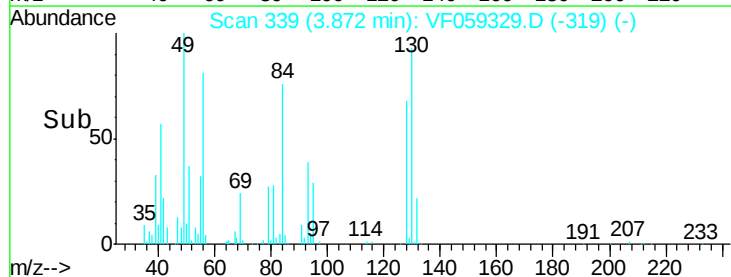
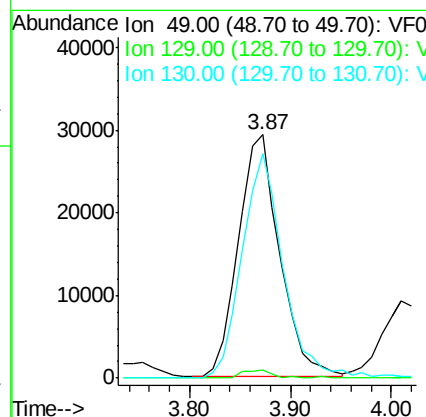
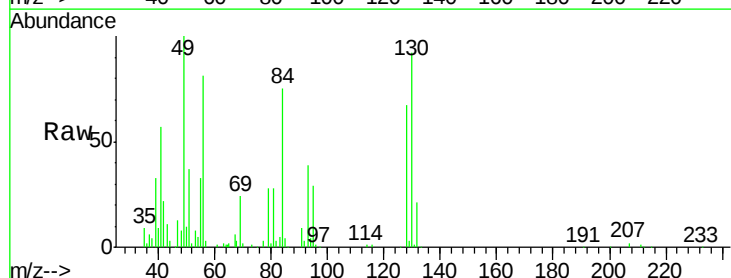
Tot Ion	96	Resp	144085
Ion Ratio	Lower	Upper	
96	100		
61	145.2	0.0	355.4
98	60.0	0.0	131.0

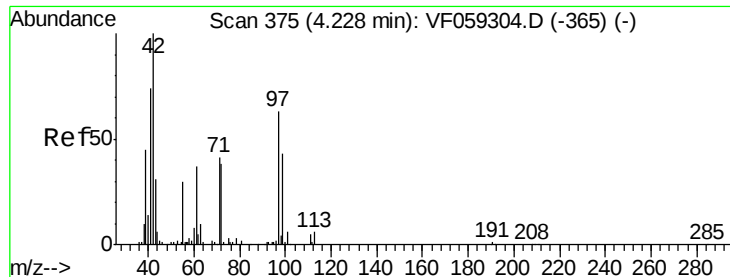


#28

Bromochloromethane
Concen: 51.649 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	49	Resp	83349
Ion Ratio	Lower	Upper	
49	100		
129	3.1	0.0	6.4
130	92.4	75.1	112.7

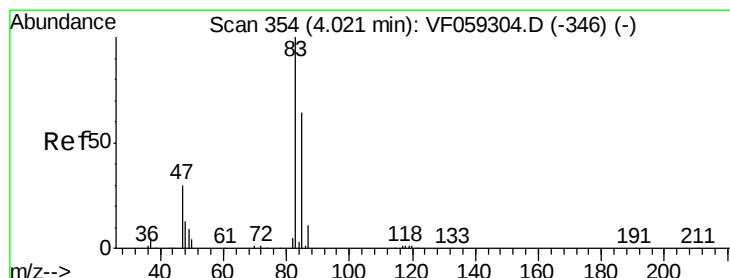
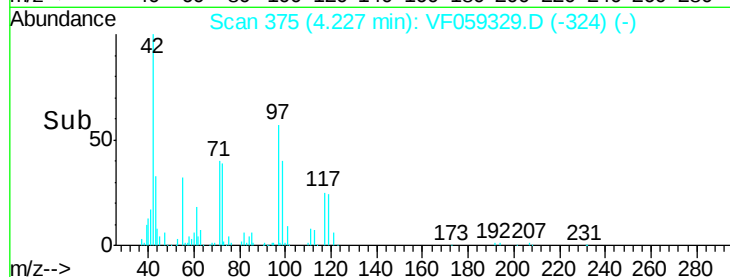
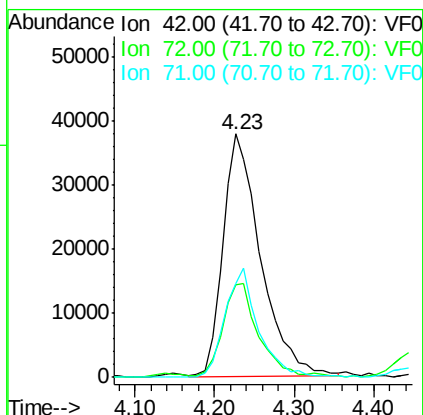
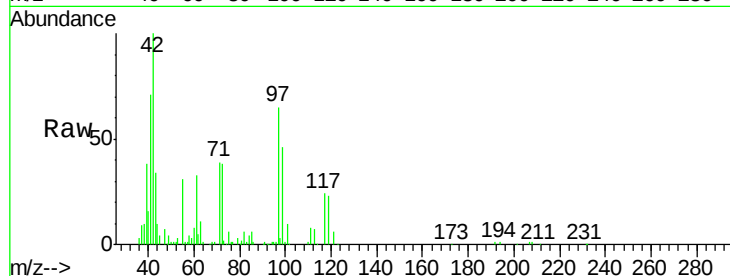




#29
Tetrahydrofuran
Concen: 271.361 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

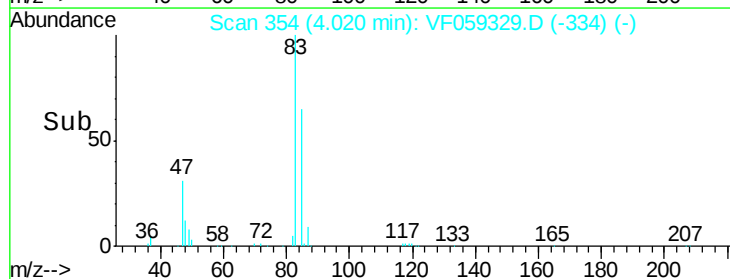
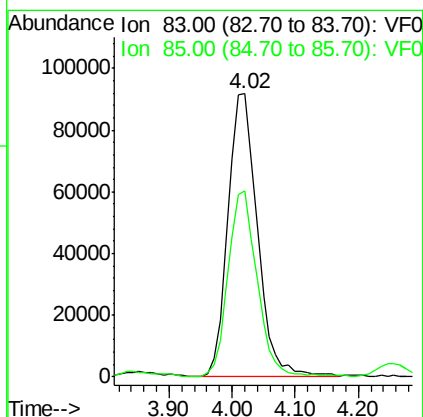
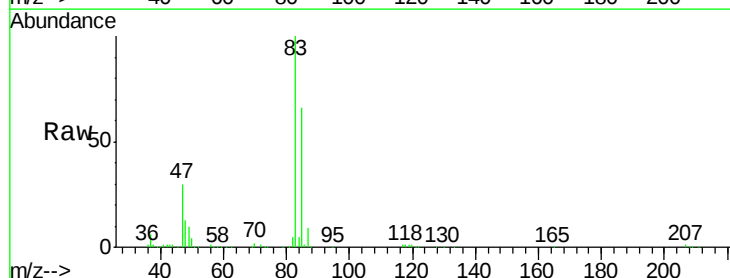
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

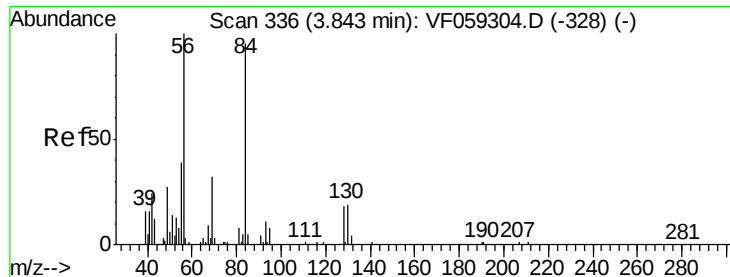
Tot Ion: 42 Resp: 124699
Ion Ratio Lower Upper
42 100
72 34.7 30.5 45.7
71 40.7 32.5 48.7



#30
Chloroform
Concen: 48.787 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 83 Resp: 297596
Ion Ratio Lower Upper
83 100
85 65.8 51.3 76.9





#31

Cyclohexane

Concen: 54.759 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

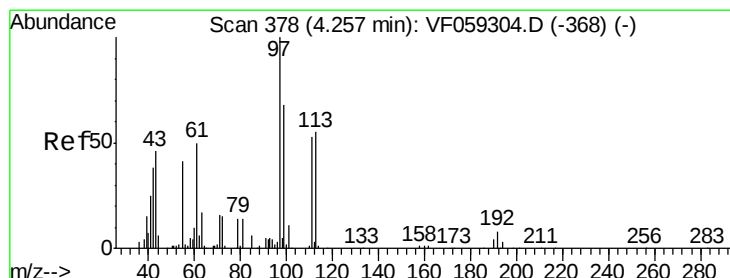
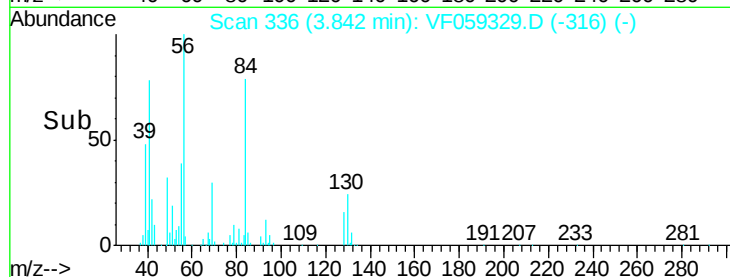
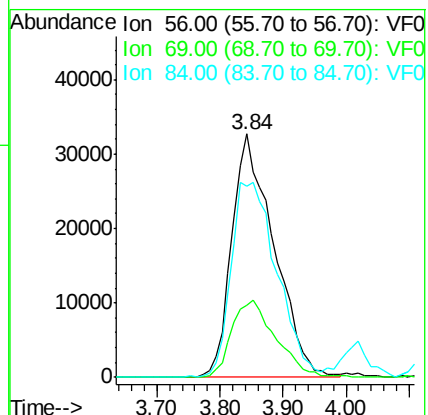
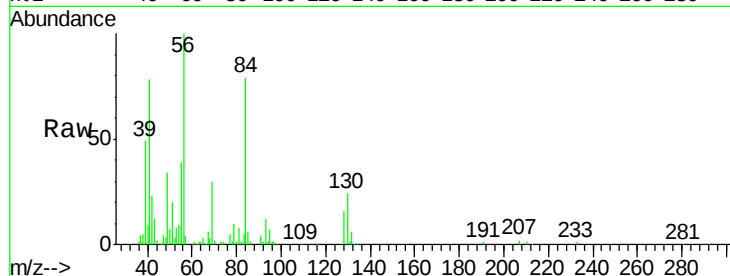
Tot Ion: 56 Resp: 151152

Ion Ratio Lower Upper

56 100

69 29.6 25.8 38.8

84 78.6 75.6 113.4



#32

1,1,1-Trichloroethane

Concen: 49.062 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

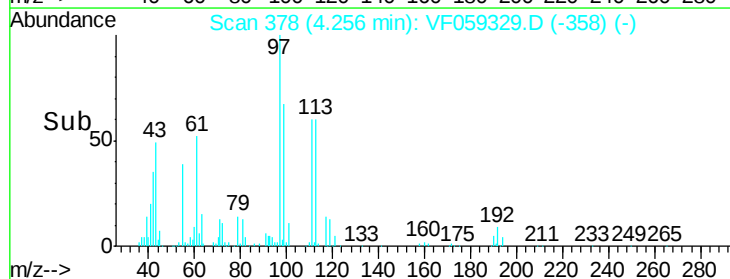
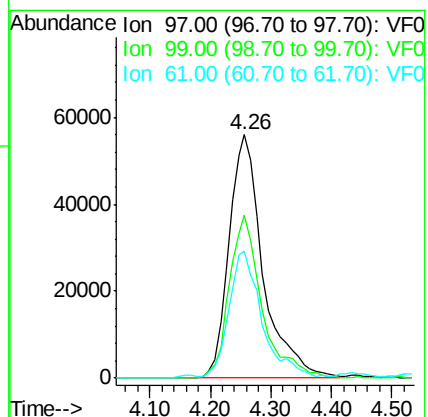
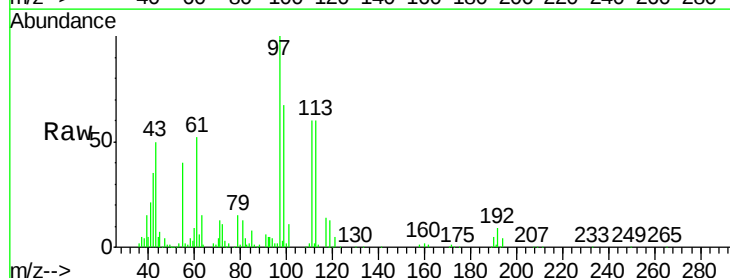
Tgt Ion: 97 Resp: 219005

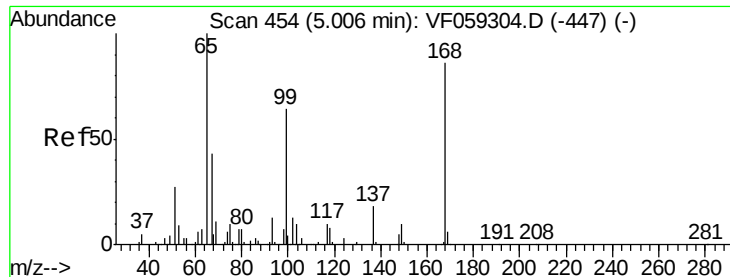
Ion Ratio Lower Upper

97 100

99 67.1 54.1 81.1

61 52.3 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 45.322 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

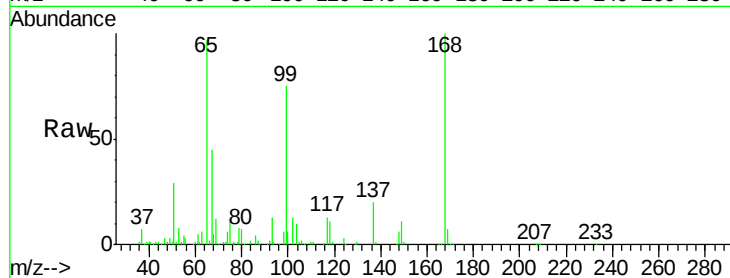
VSTDCCC050EC

Tot Ion: 65 Resp: 162379

Ion Ratio Lower Upper

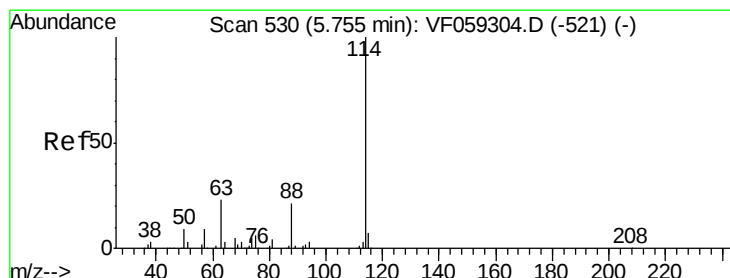
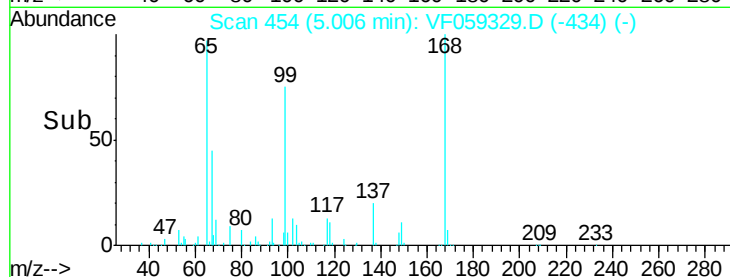
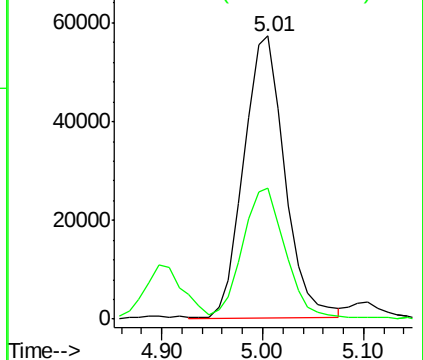
65 100

67 46.4 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

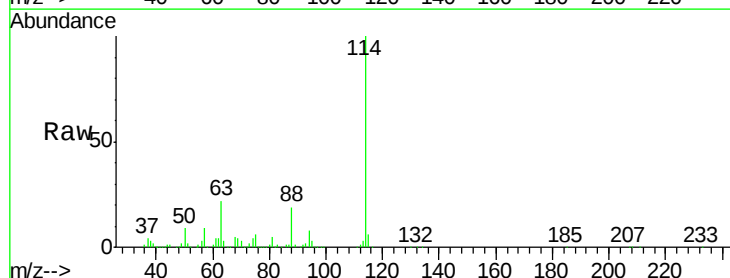
Tgt Ion: 114 Resp: 451051

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.8

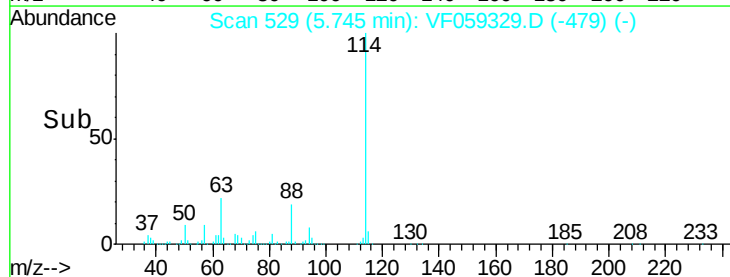
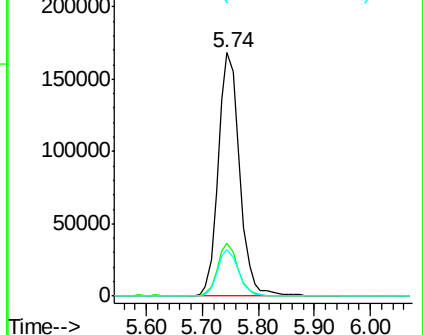
88 19.3 0.0 41.2

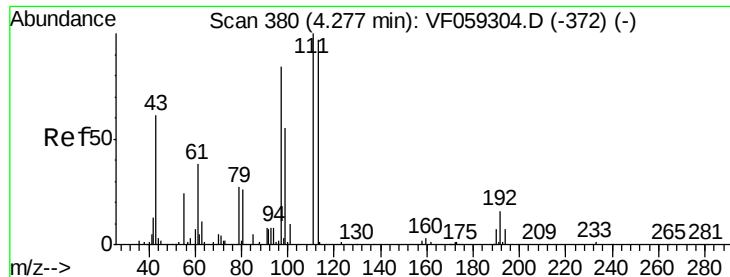


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

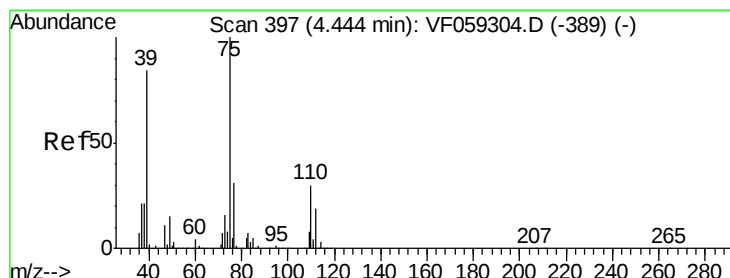
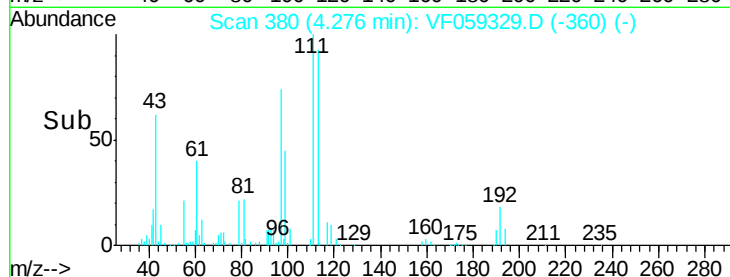
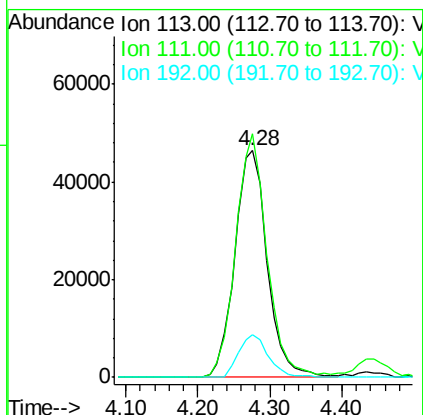
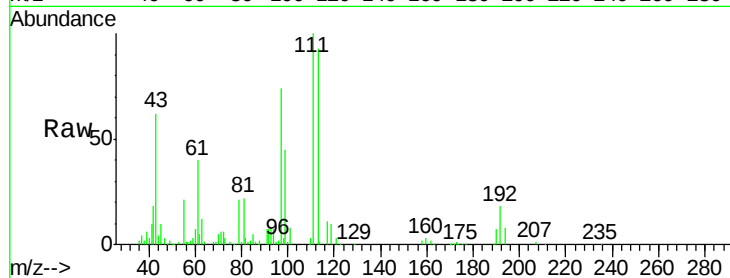




#35
 Dibromofluoromethane
 Concen: 44.361 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

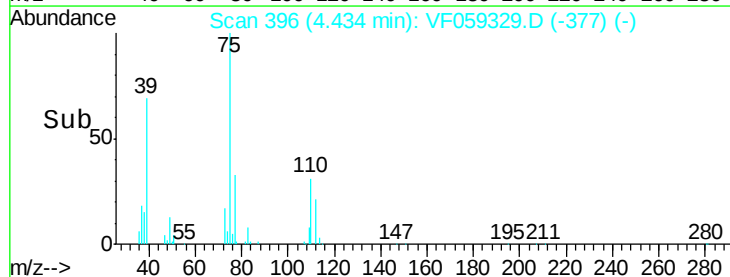
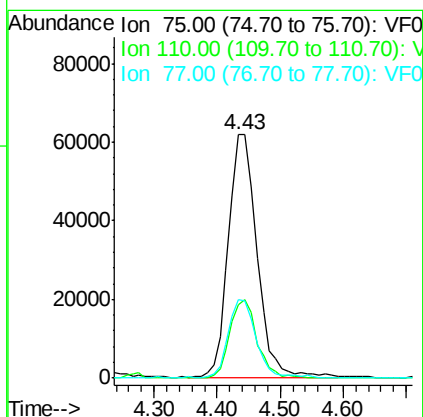
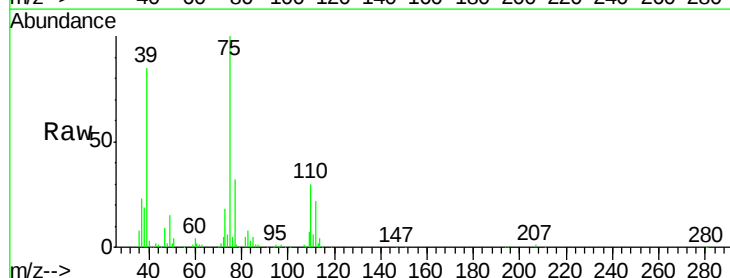
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

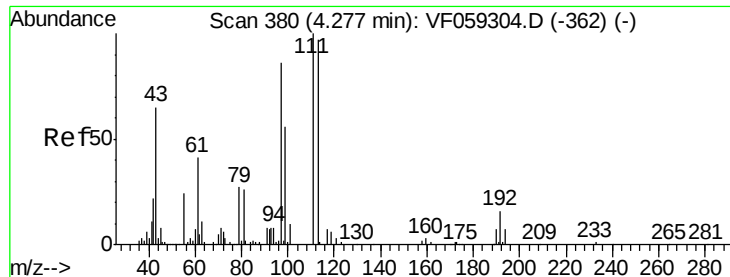
Tot Ion:113 Resp: 146201
 Ion Ratio Lower Upper
 113 100
 111 107.4 82.1 123.1
 192 18.8 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 49.413 ug/l
 RT: 4.43 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion: 75 Resp: 194700
 Ion Ratio Lower Upper
 75 100
 110 29.9 14.8 44.4
 77 32.3 25.2 37.8





#37

Ethyl Acetate

Concen: 50.462 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

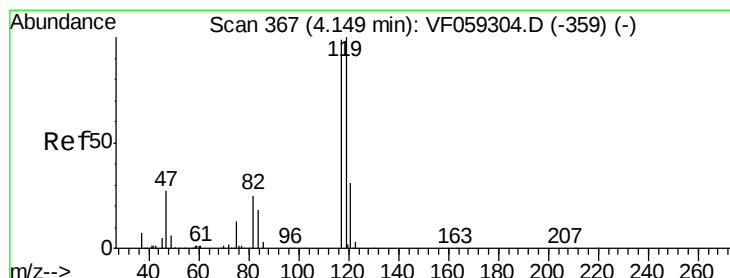
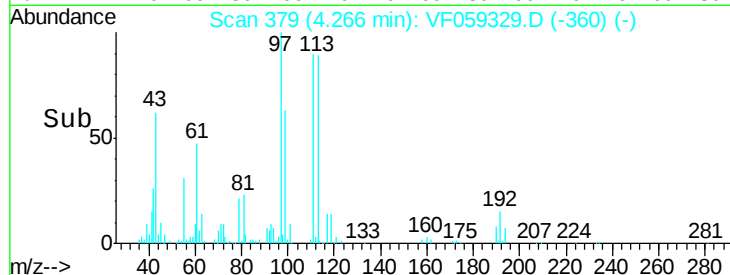
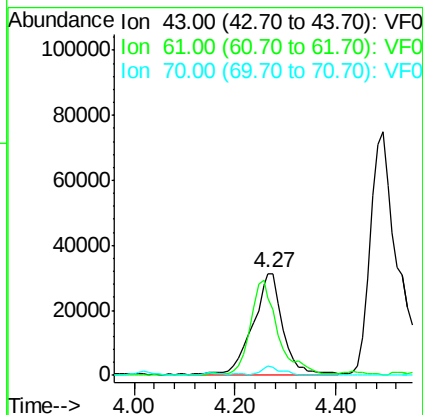
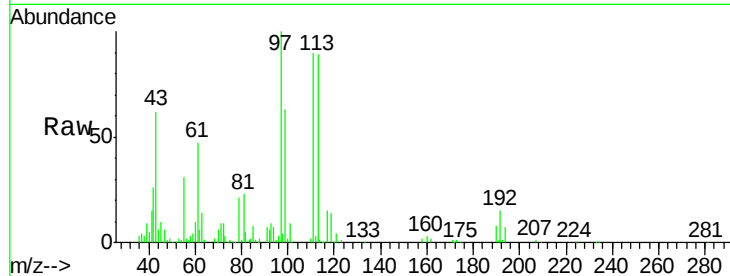
Tot Ion: 43 Resp: 127160

Ion Ratio Lower Upper

43 100

61 75.7 50.1 75.1#

70 9.6 6.2 9.4#



#38

Carbon Tetrachloride

Concen: 49.688 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

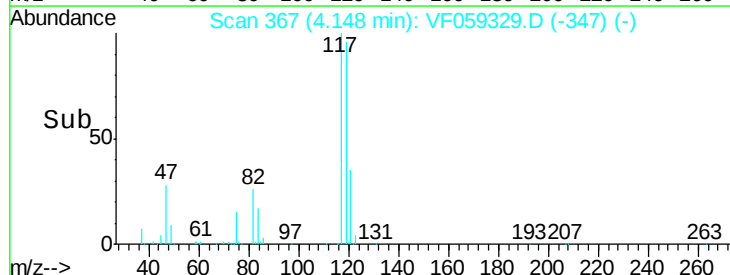
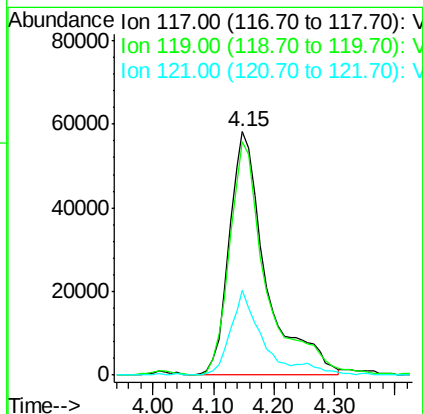
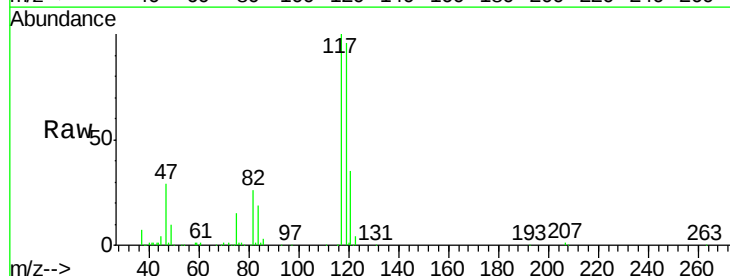
Tgt Ion: 117 Resp: 247077

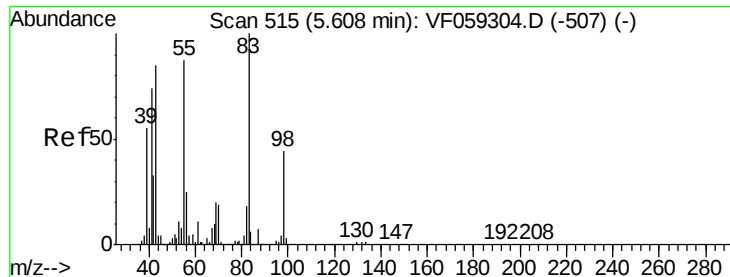
Ion Ratio Lower Upper

117 100

119 95.6 81.0 121.4

121 34.8 24.7 37.1

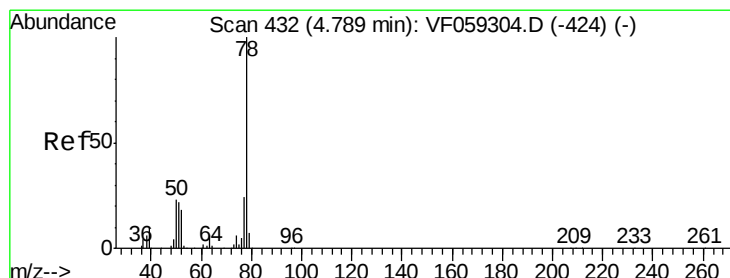
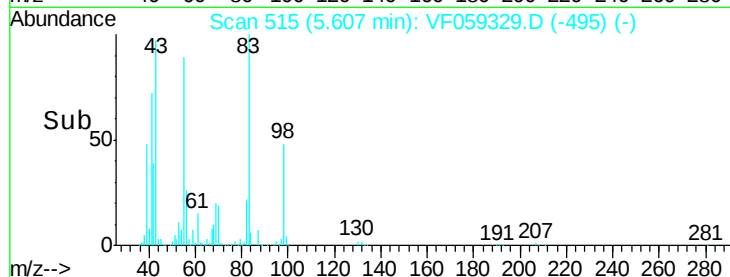
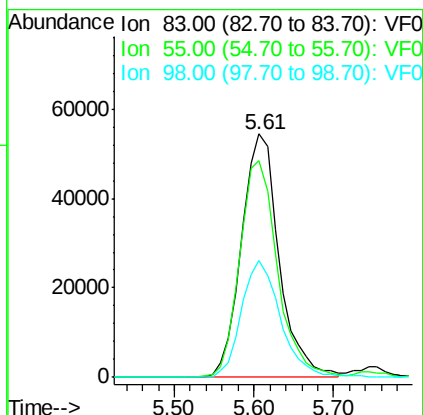
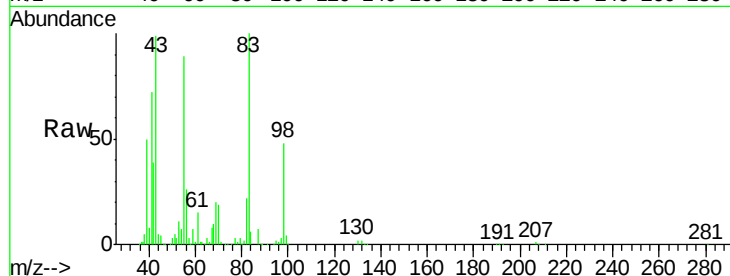




#39
Methvlcvclohexane
Concen: 50.944 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

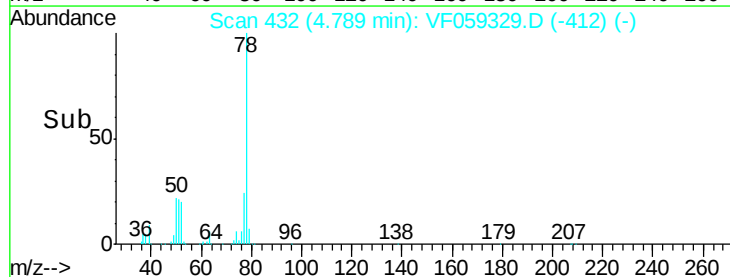
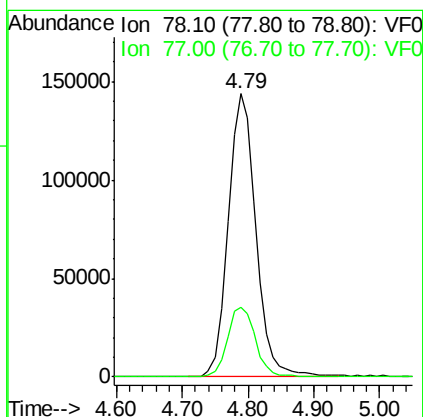
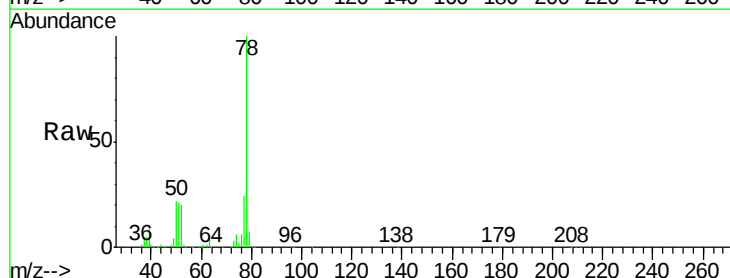
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

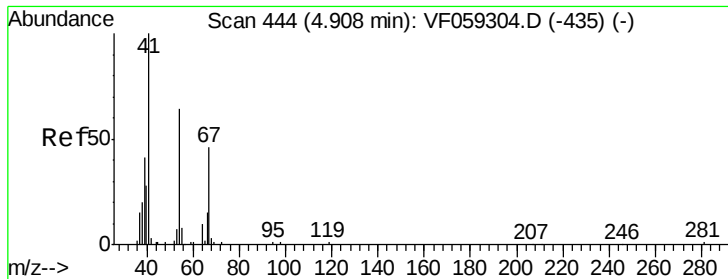
Tot Ion: 83 Resp: 177882
Ion Ratio Lower Upper
83 100
55 88.8 69.2 103.8
98 48.2 35.0 52.6



#40
Benzene
Concen: 48.457 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 78 Resp: 423342
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4





#41

Methacrylonitrile

Concen: 46.675 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 62735

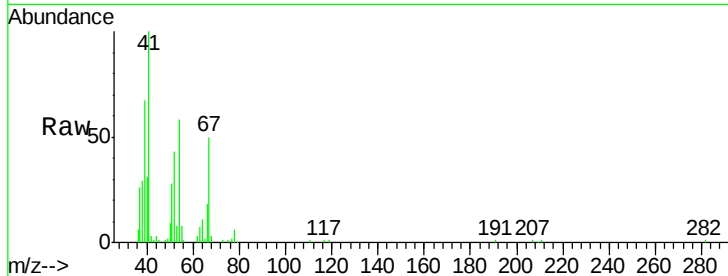
Ion Ratio Lower Upper

41 100

39 66.7 50.0 75.0

67 49.8 37.0 55.6

52 43.3 37.1 55.7

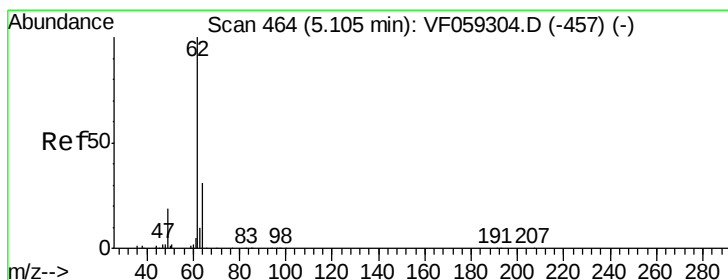
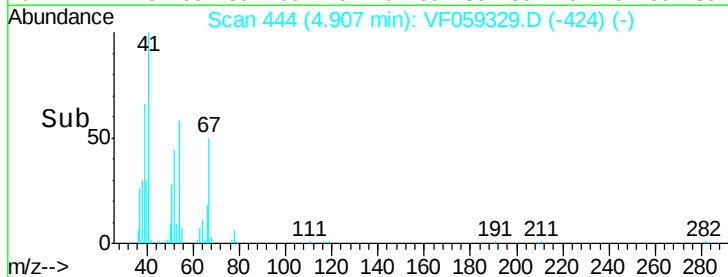
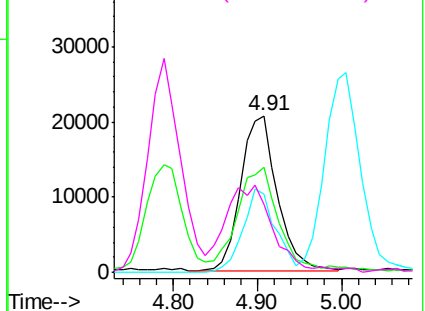


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 44.173 ug/l

RT: 5.09 min Scan# 463

Delta R.T. -0.01 min

Lab File: VF059329.D

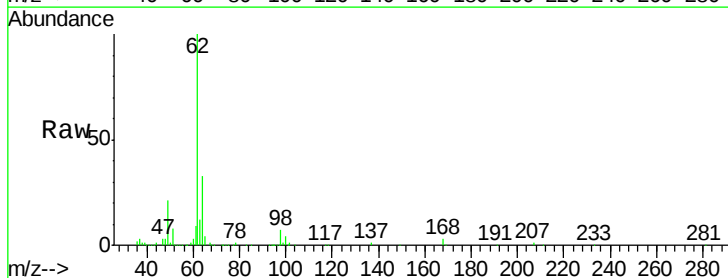
Acq: 26 Jun 2018 21:22

Tgt Ion: 62 Resp: 225504

Ion Ratio Lower Upper

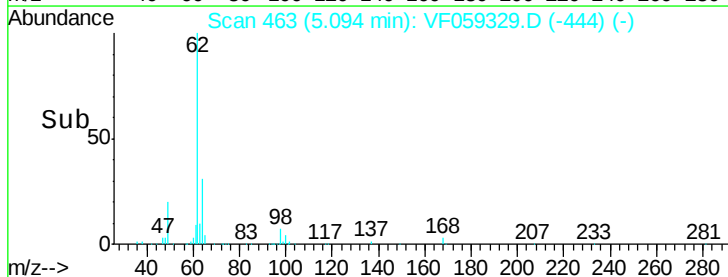
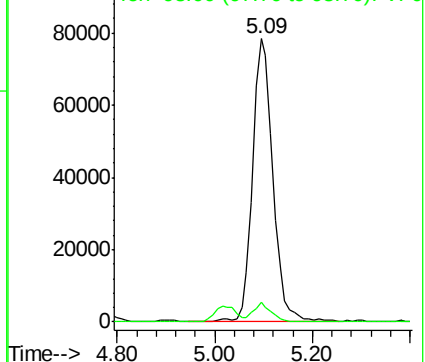
62 100

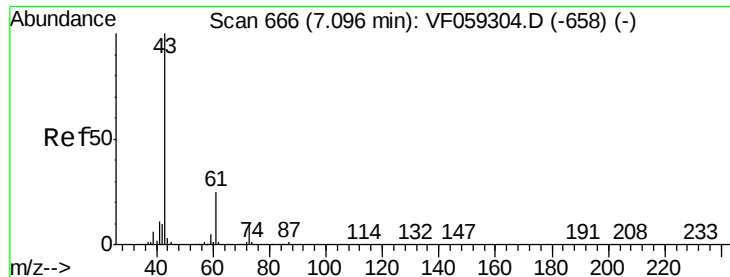
98 6.8 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



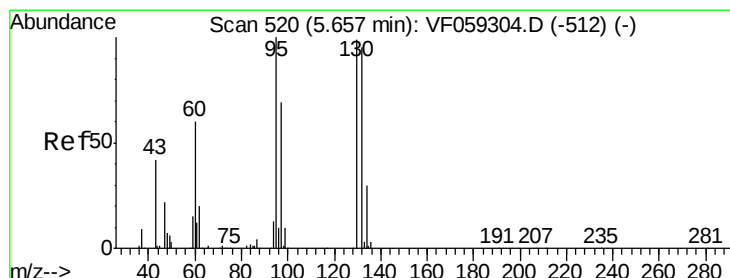
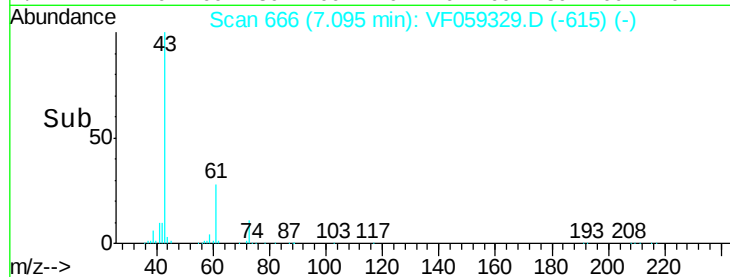
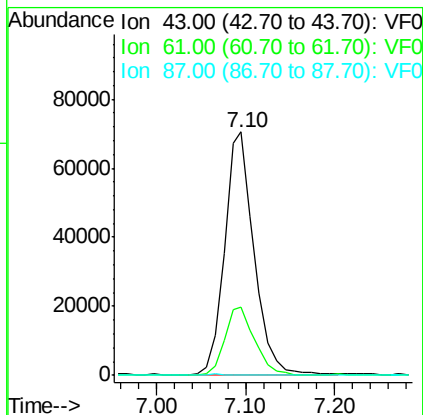
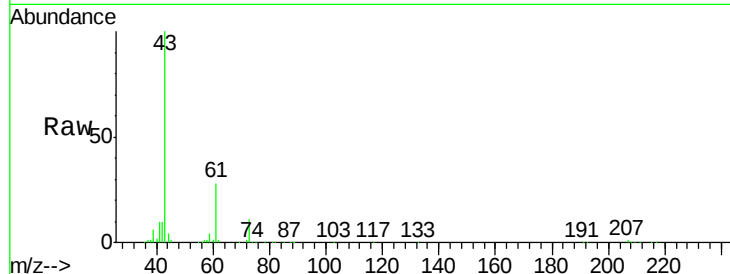


#43

Isopropyl Acetate
 Concen: 49.388 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

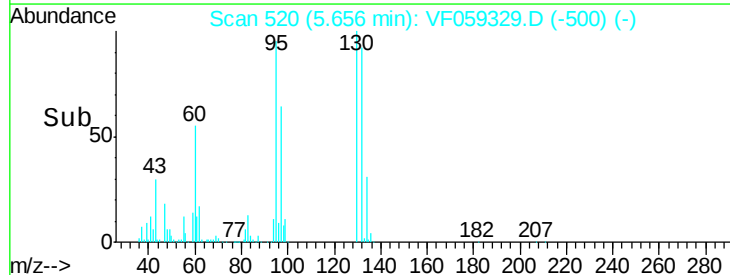
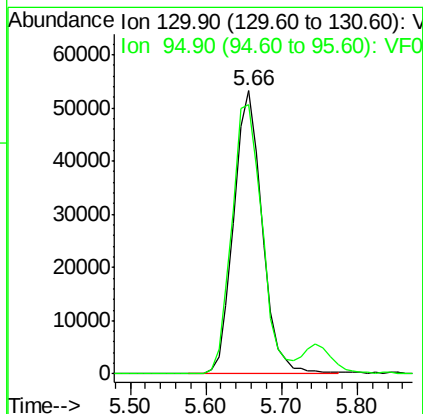
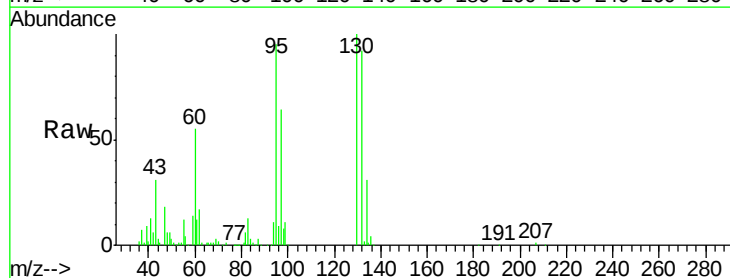
Tot Ion: 43 Resp: 162095
 Ion Ratio Lower Upper
 43 100
 61 28.2 19.7 29.5
 87 0.3 0.5 0.7#

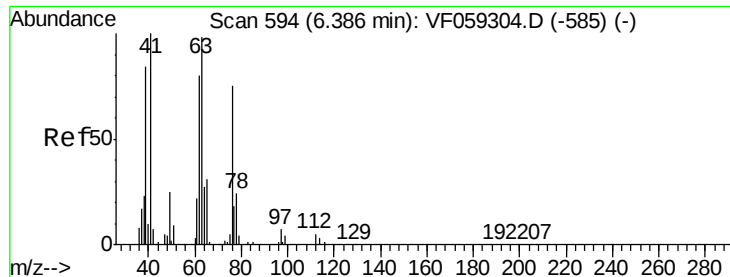


#44

Trichloroethene
 Concen: 46.221 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion: 130 Resp: 138525
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 202.4





#45

1,2-Dichloropropane

Concen: 48.637 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

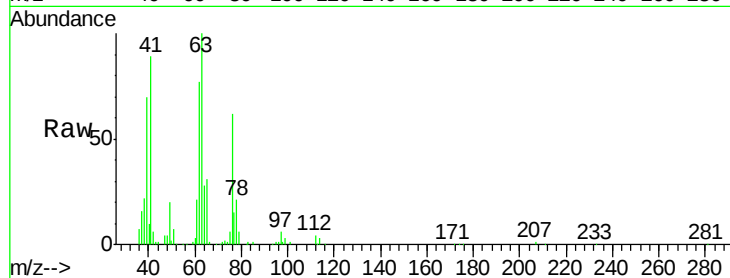
VSTDCCC050EC

Tot Ion: 63 Resp: 121402

Ion Ratio Lower Upper

63 100

65 30.5 25.3 37.9

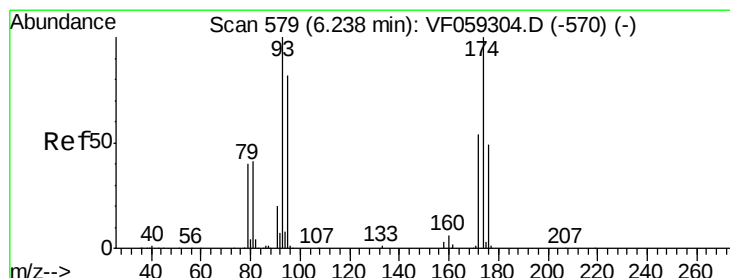
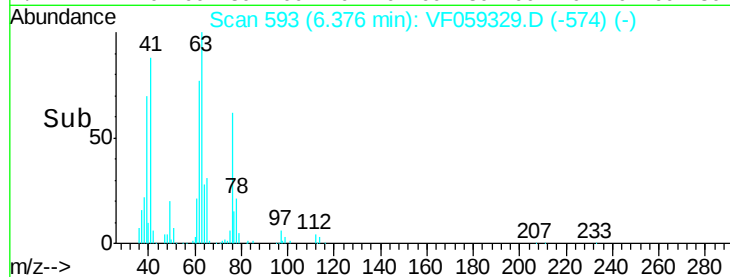


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.38

Time--> 6.20 6.30 6.40 6.50



#46

Dibromomethane

Concen: 46.479 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

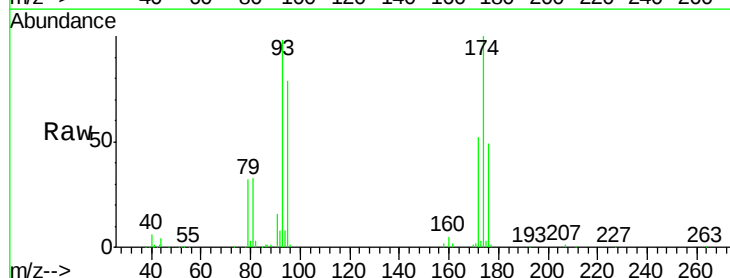
Tgt Ion: 93 Resp: 100696

Ion Ratio Lower Upper

93 100

95 80.7 65.6 98.4

174 101.6 80.0 120.0



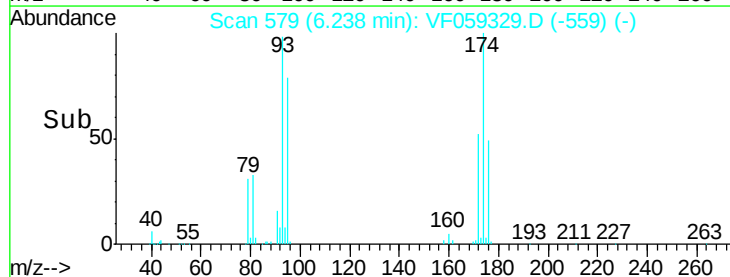
Abundance Ion 93.00 (92.70 to 93.70): VF0

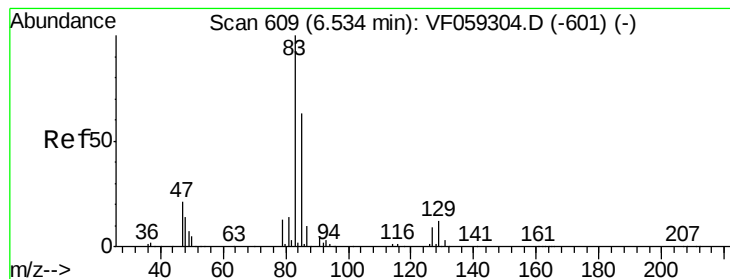
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.24

Time--> 6.10 6.20 6.30 6.40





#47

Bromodichloromethane

Concen: 46.108 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

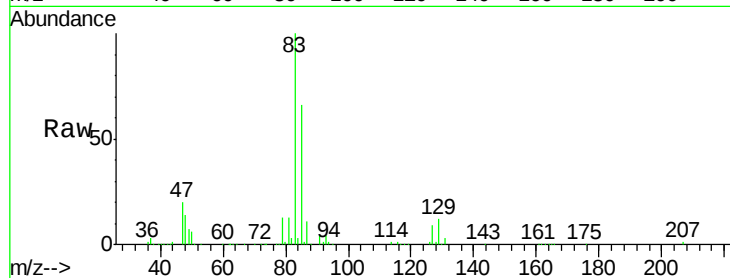
Tot Ion: 83 Resp: 241804

Ion Ratio Lower Upper

83 100

85 65.5 50.2 75.2

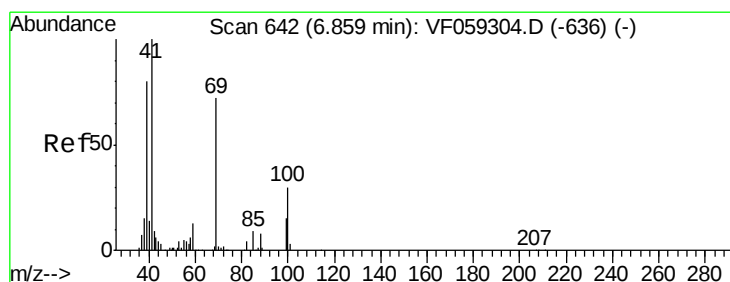
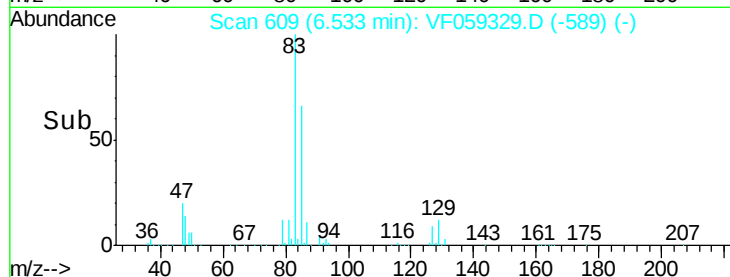
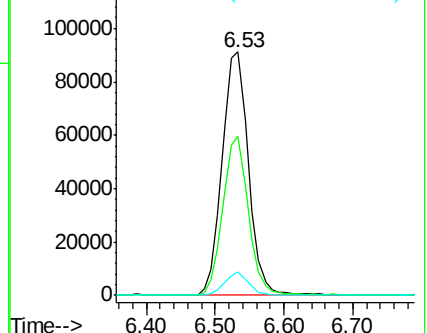
127 9.4 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 47.285 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

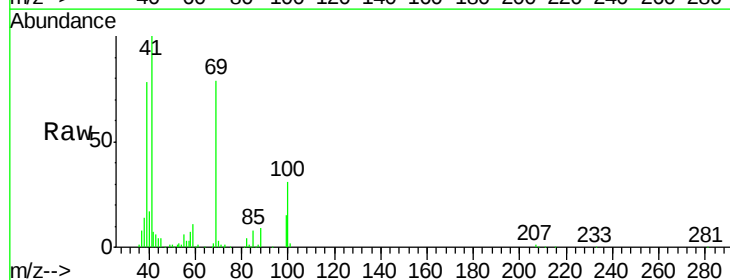
Tgt Ion: 41 Resp: 104014

Ion Ratio Lower Upper

41 100

69 78.9 57.3 85.9

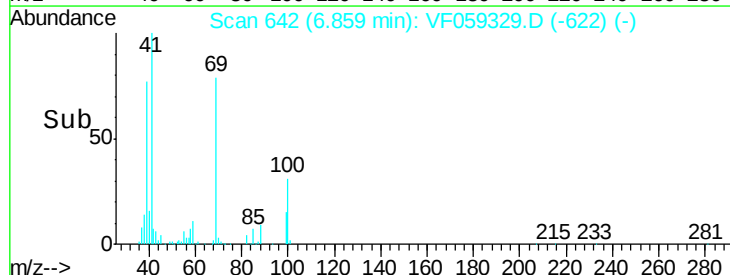
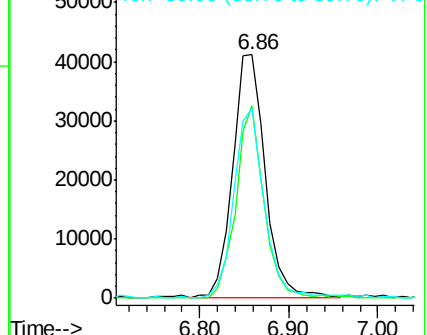
39 78.0 64.4 96.6

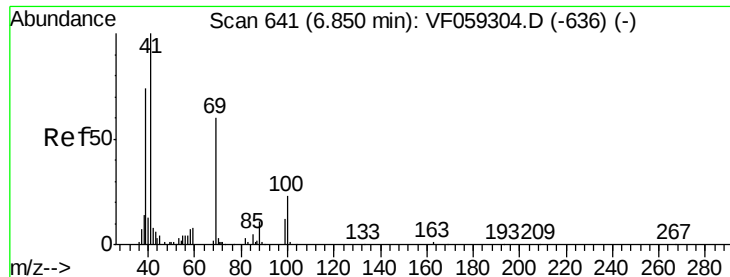


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1356.332 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

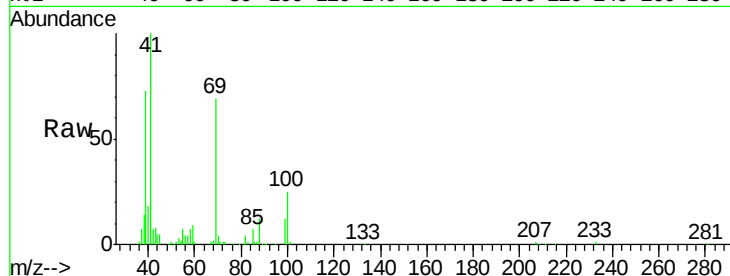
Tot Ion: 88 Resp: 15741

Ion Ratio Lower Upper

88 100

43 66.4 50.6 75.8

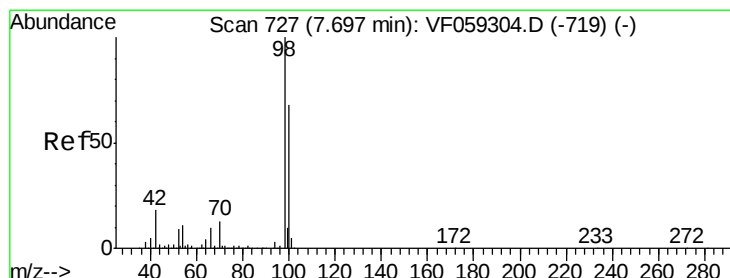
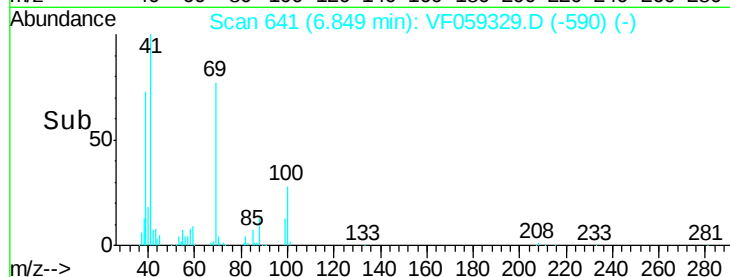
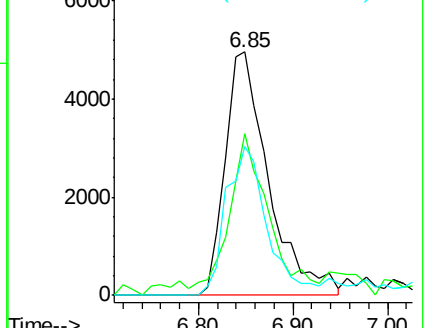
58 61.3 46.6 69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.453 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059329.D

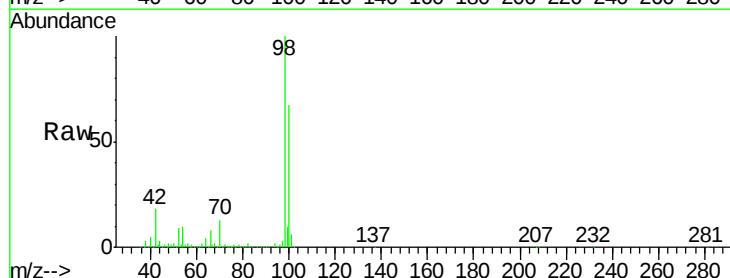
Acq: 26 Jun 2018 21:22

Tgt Ion: 98 Resp: 387209

Ion Ratio Lower Upper

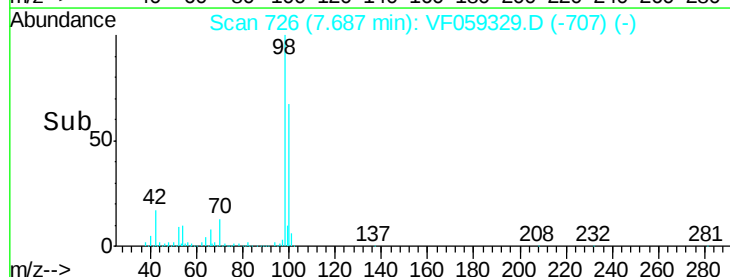
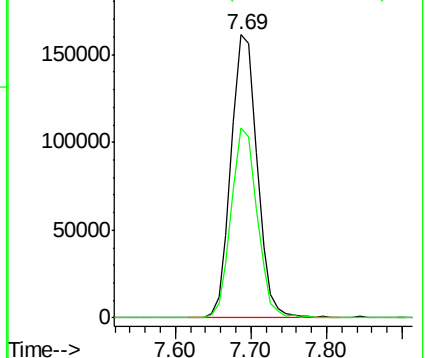
98 100

100 67.3 54.6 82.0



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: 232.522 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

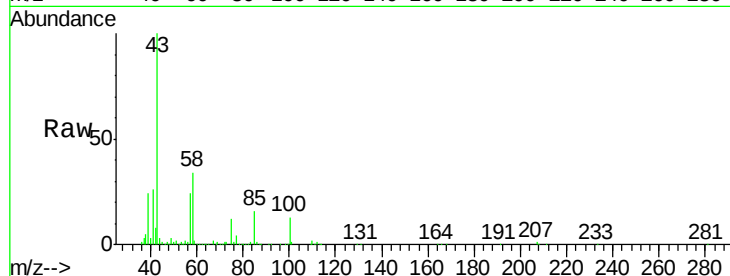
VSTDCCC050EC

Tot Ion: 43 Resp: 565384

Ion Ratio Lower Upper

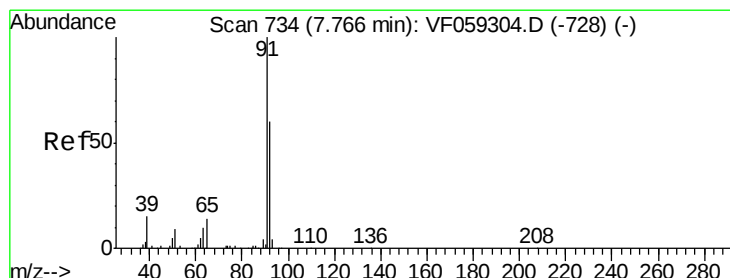
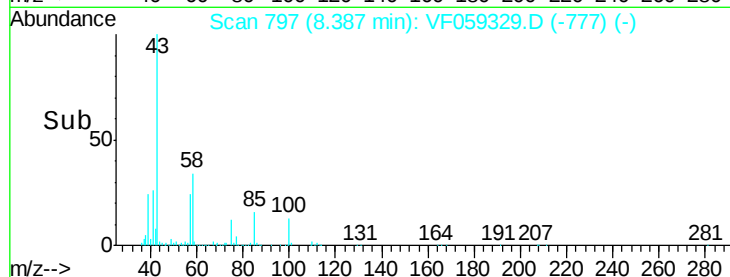
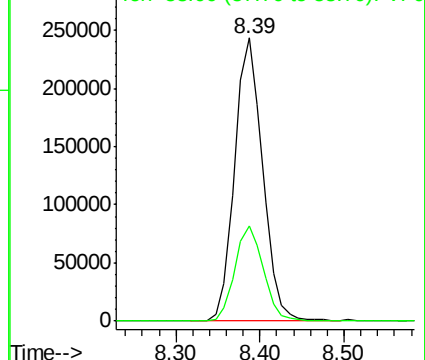
43 100

58 33.8 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.109 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059329.D

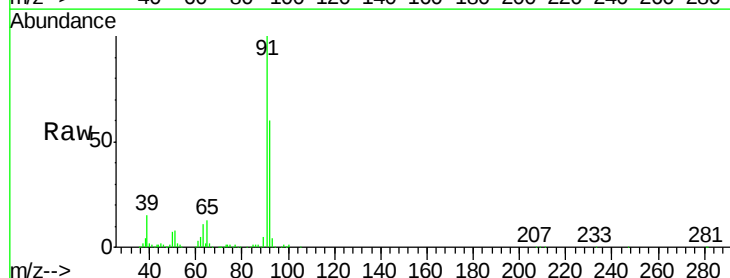
Acq: 26 Jun 2018 21:22

Tgt Ion: 92 Resp: 307967

Ion Ratio Lower Upper

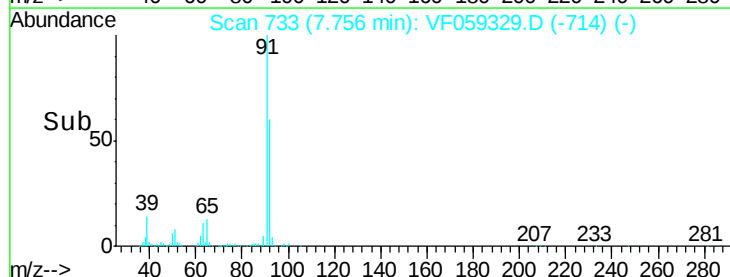
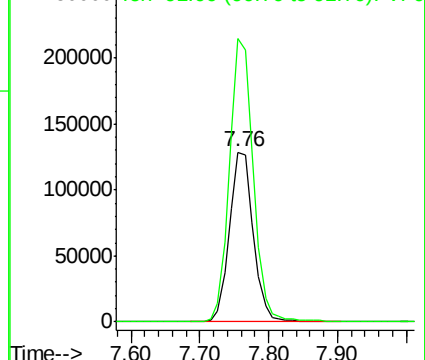
92 100

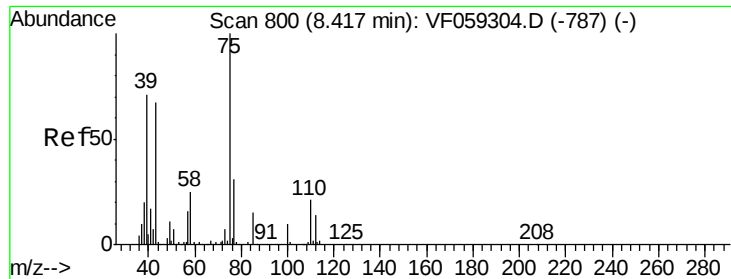
91 167.0 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

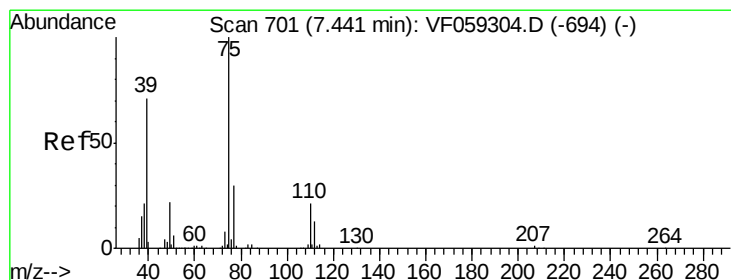
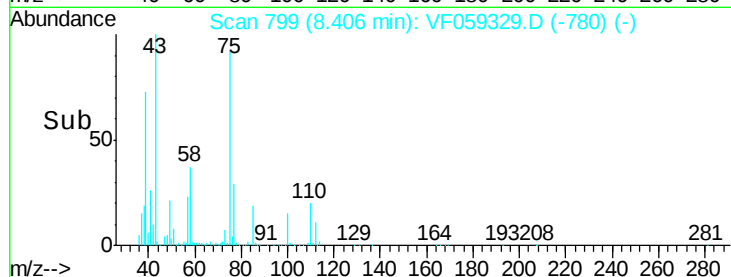
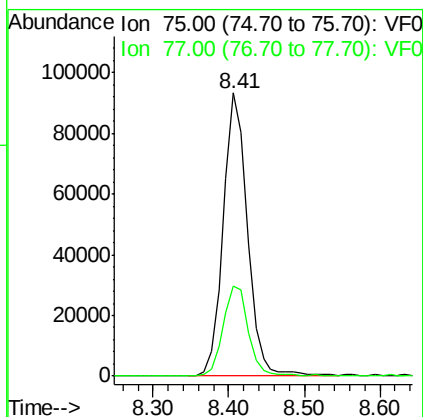
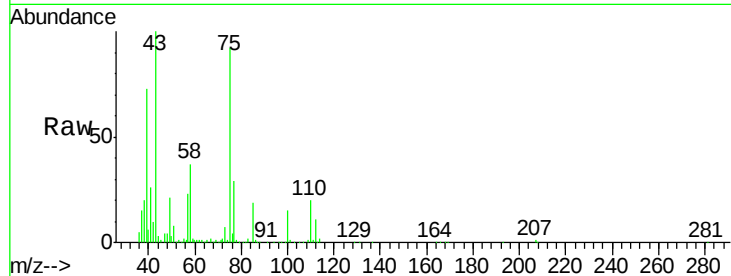




#53
t-1,3-Dichloropropene
Concen: 42.914 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

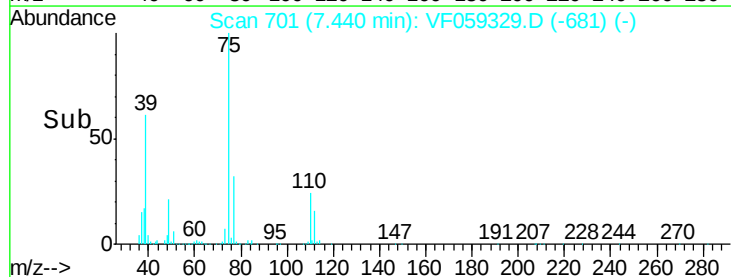
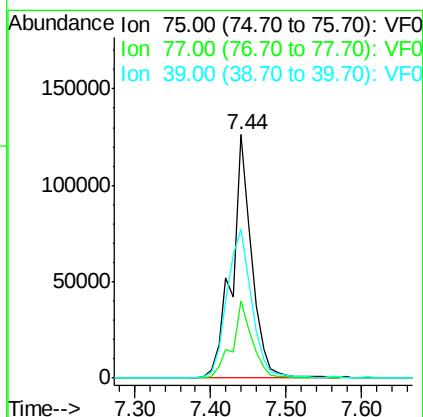
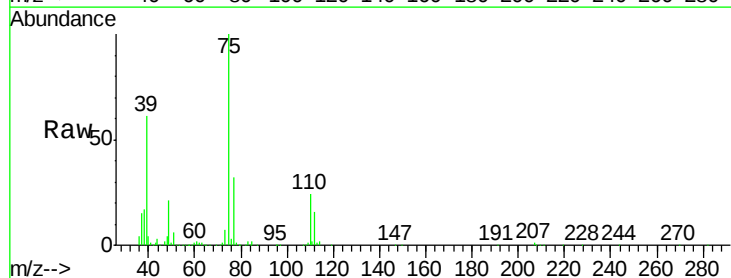
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

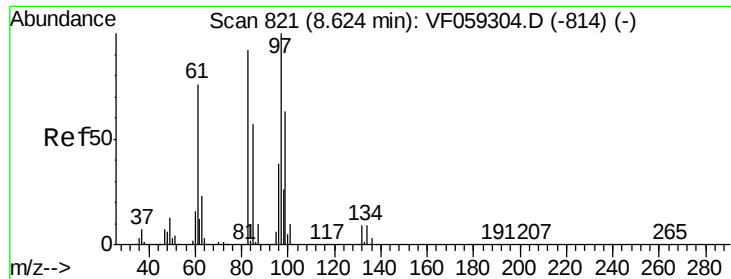
Tot Ion: 75 Resp: 205140
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 44.226 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 75 Resp: 229638
Ion Ratio Lower Upper
75 100
77 31.7 24.3 36.5
39 60.9 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 46.834 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 118875

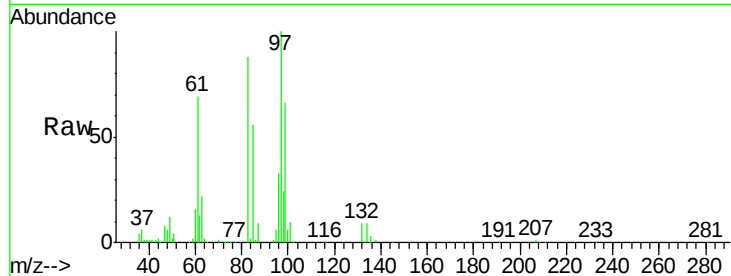
Ion Ratio Lower Upper

97 100

83 87.8 73.8 110.8

85 55.8 45.5 68.3

99 66.2 50.7 76.1

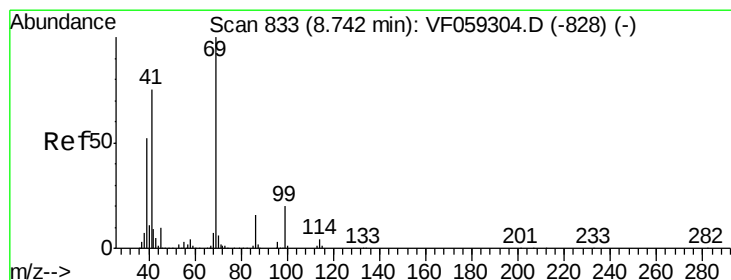
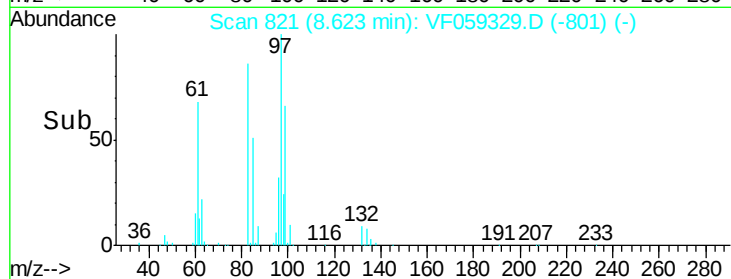
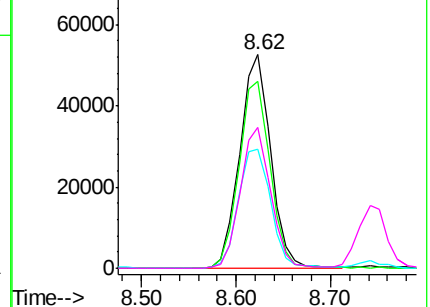


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.428 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

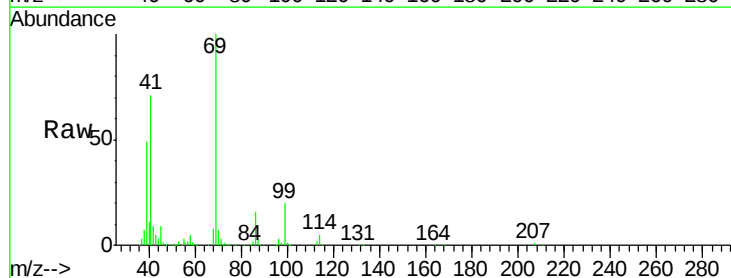
Tgt Ion: 69 Resp: 155414

Ion Ratio Lower Upper

69 100

41 70.6 60.3 90.5

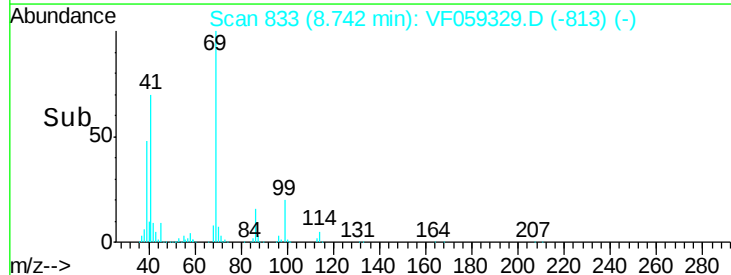
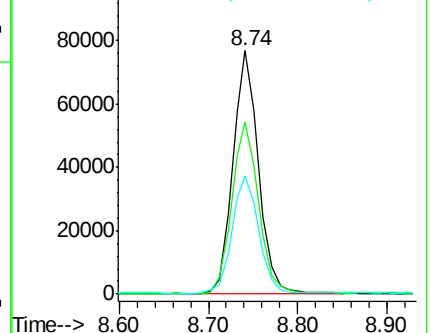
39 48.6 42.2 63.4

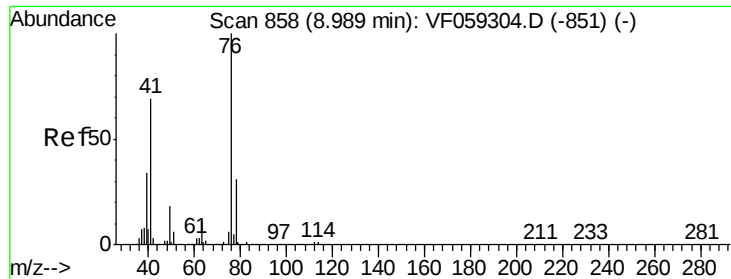


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

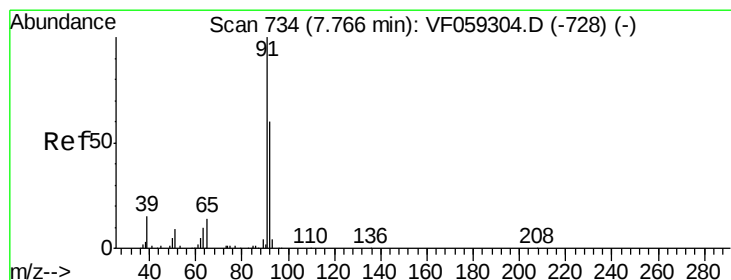
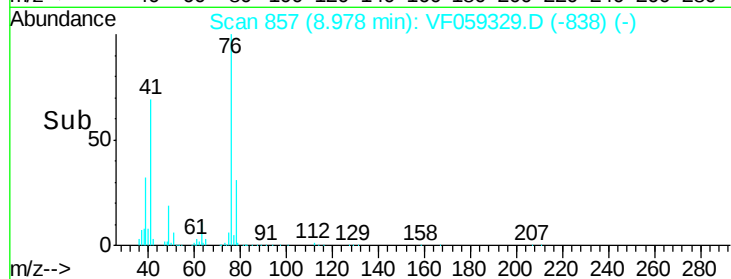
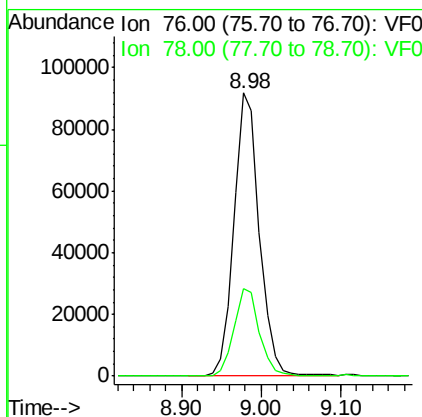
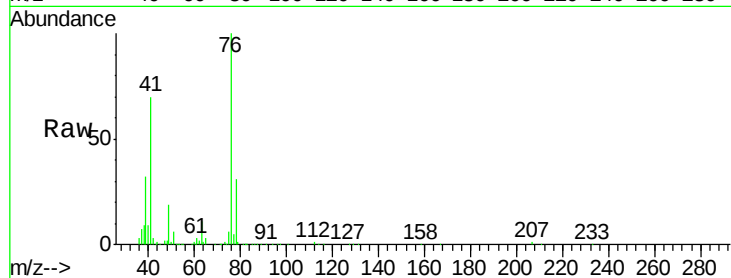




#57
 1,3-Dichloropropane
 Concen: 46.851 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

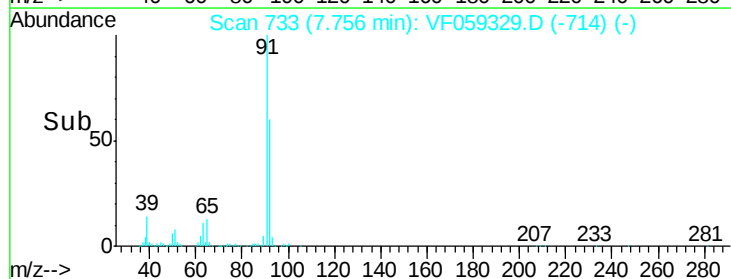
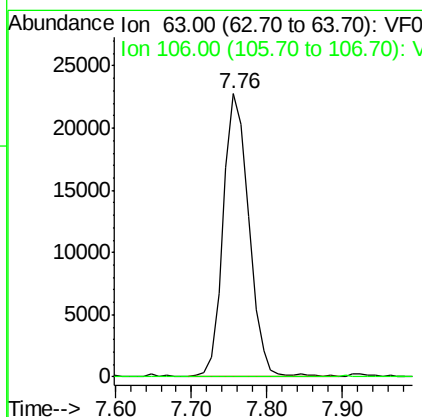
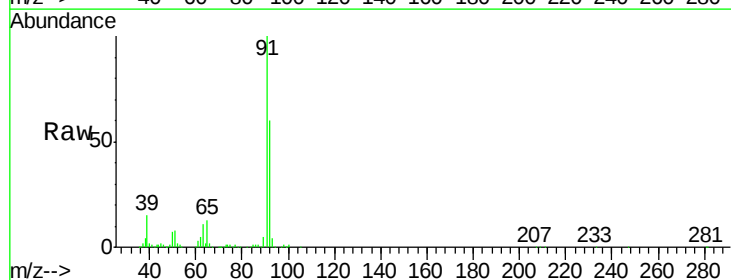
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

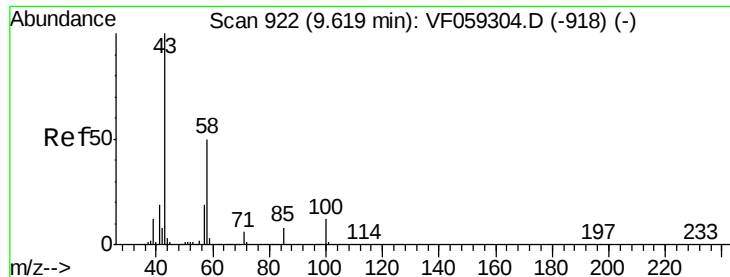
Tot Ion: 76 Resp: 203948
 Ion Ratio Lower Upper
 76 100
 78 31.0 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.422 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion: 63 Resp: 53630
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

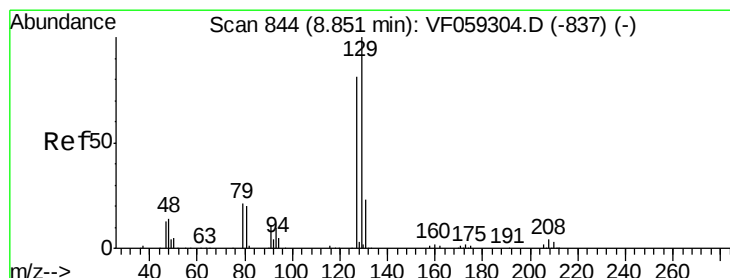
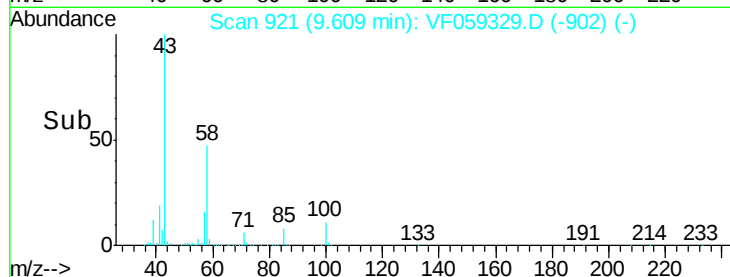
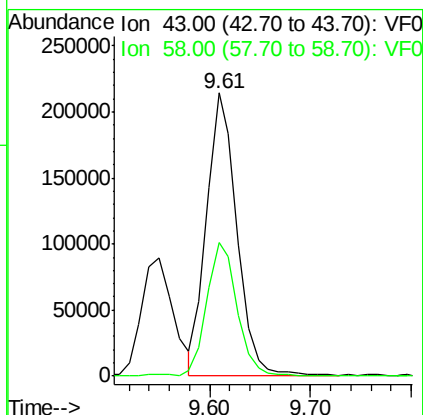
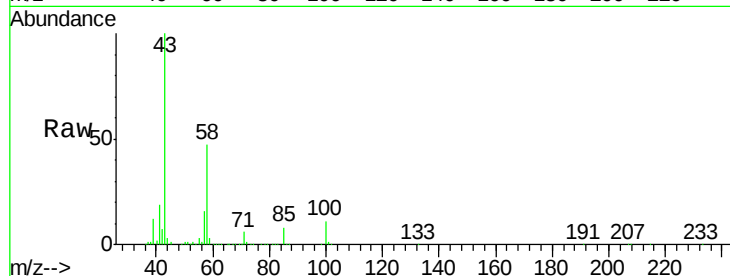




#59
2-Hexanone
Concen: 243.603 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

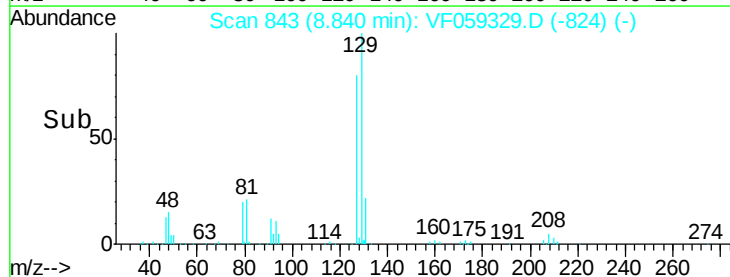
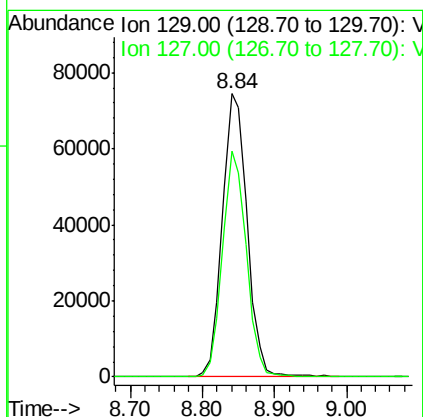
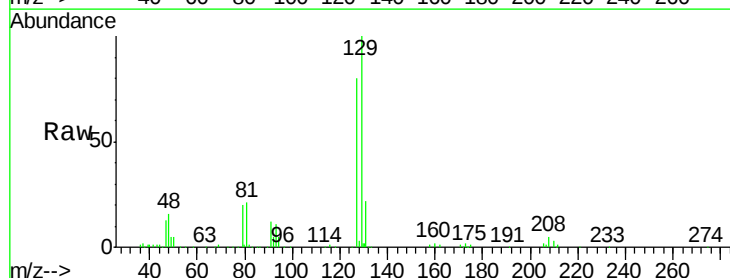
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

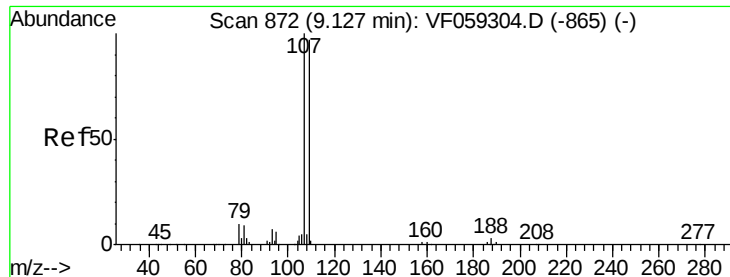
Tot Ion: 43 Resp: 445782
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9



#60
Dibromochloromethane
Concen: 45.415 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 129 Resp: 177964
Ion Ratio Lower Upper
129 100
127 79.8 40.7 122.1





#61

1,2-Dibromoethane

Concen: 44.793 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

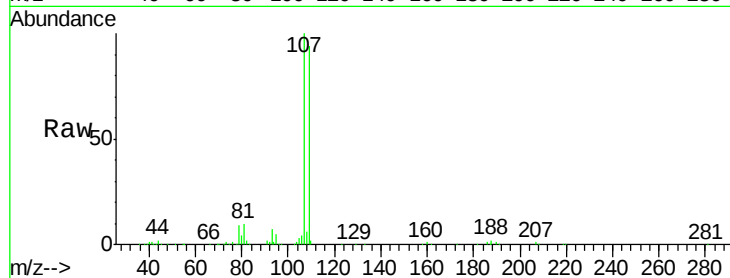
VSTDCCC050EC

Tot Ion:107 Resp: 137887

Ion Ratio Lower Upper

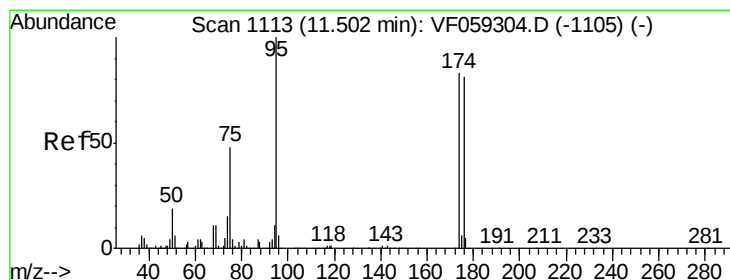
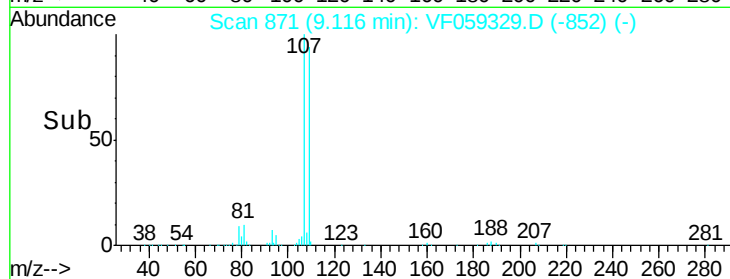
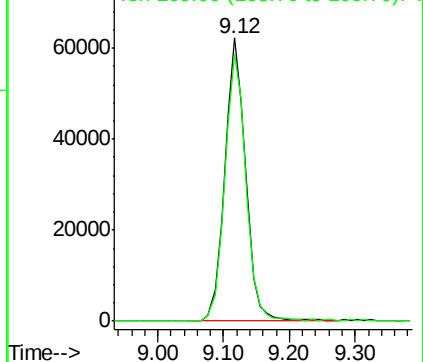
107 100

109 94.1 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.367 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

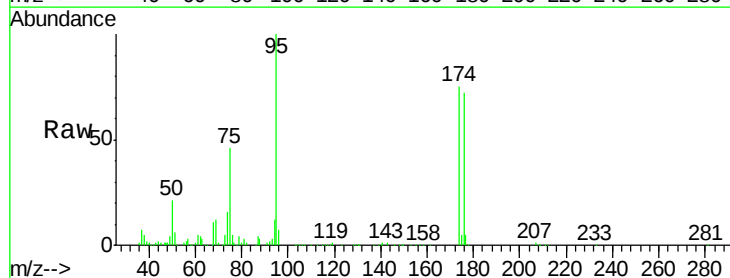
Tgt Ion: 95 Resp: 199613

Ion Ratio Lower Upper

95 100

174 75.1 0.0 165.2

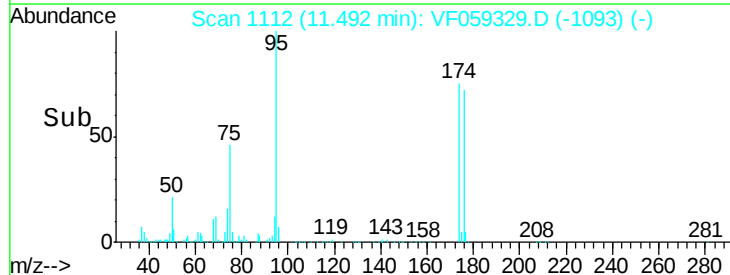
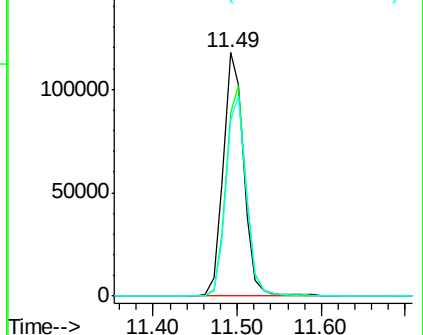
176 72.4 0.0 161.0

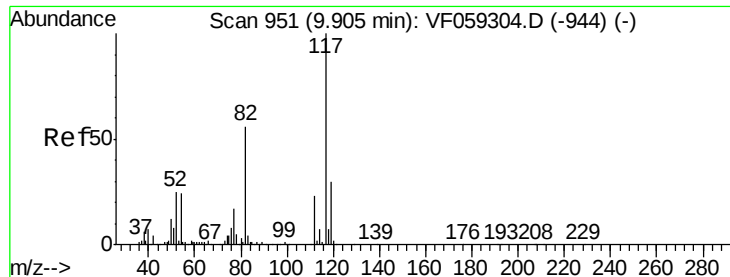


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

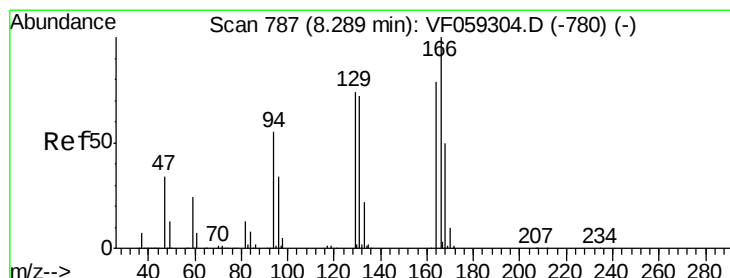
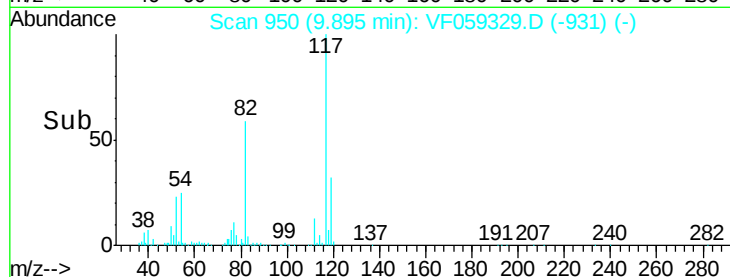
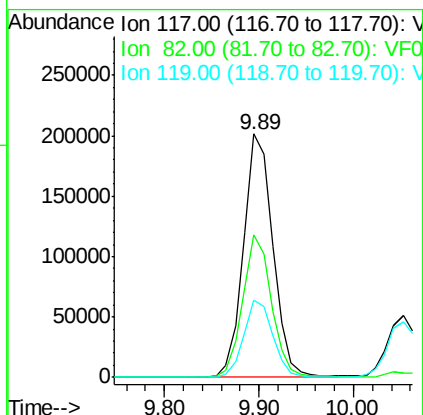
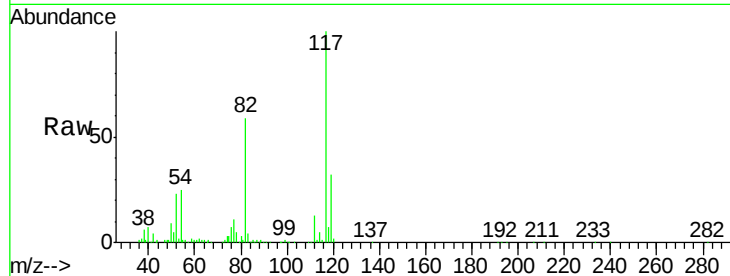




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

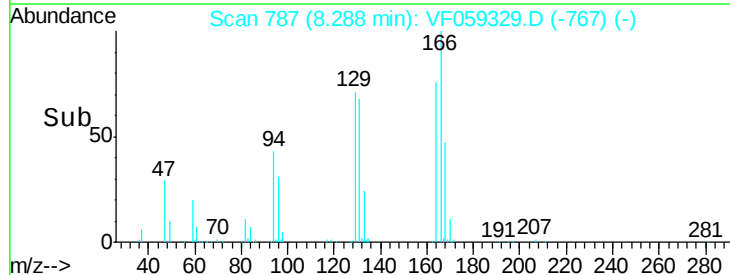
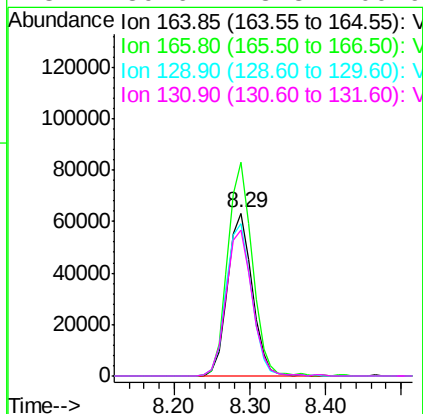
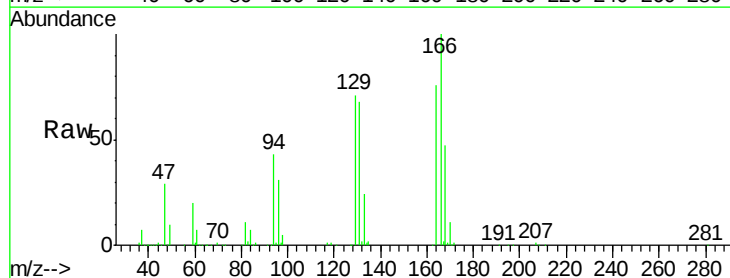
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

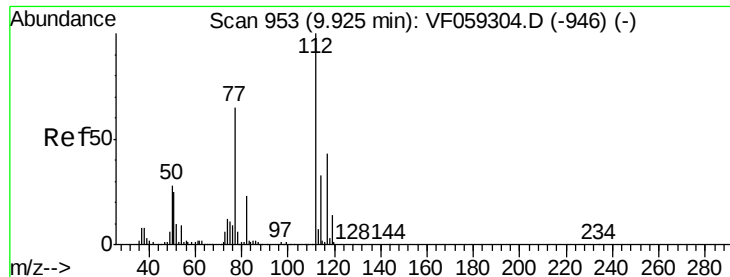
Tot Ion:117 Resp: 435792
Ion Ratio Lower Upper
117 100
82 58.7 44.6 66.8
119 31.8 24.1 36.1



#64
Tetrachloroethene
Concen: 50.204 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion:164 Resp: 141900
Ion Ratio Lower Upper
164 100
166 131.0 101.1 151.7
129 93.4 75.0 112.4
131 89.6 73.3 109.9





#65

Chlorobenzene

Concen: 47.818 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

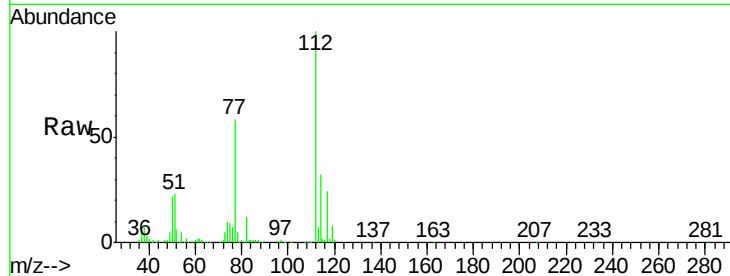
VSTDCCC050EC

Tot Ion:112 Resp: 386147

Ion Ratio Lower Upper

112 100

114 32.0 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.92

200000

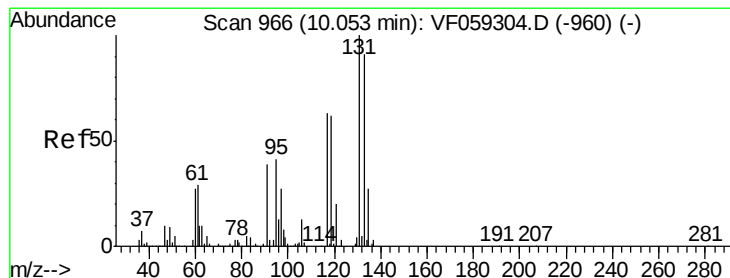
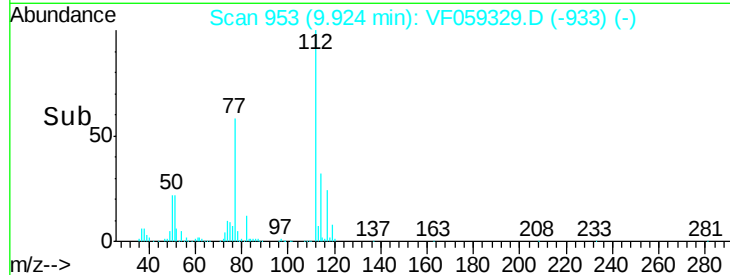
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.768 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

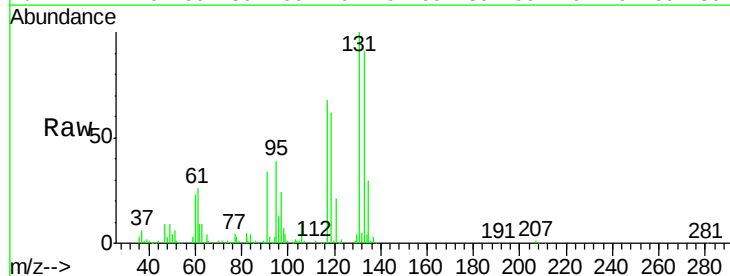
Tgt Ion:131 Resp: 163342

Ion Ratio Lower Upper

131 100

133 91.3 45.3 135.9

119 61.8 31.3 93.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.05

100000

80000

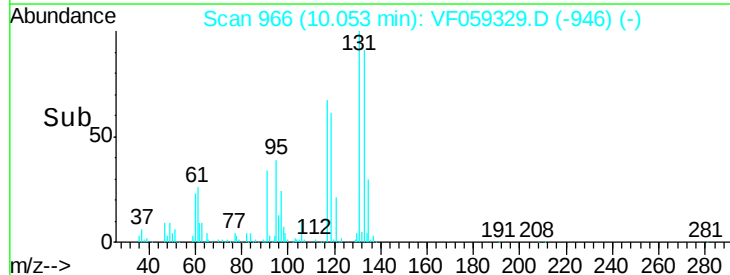
60000

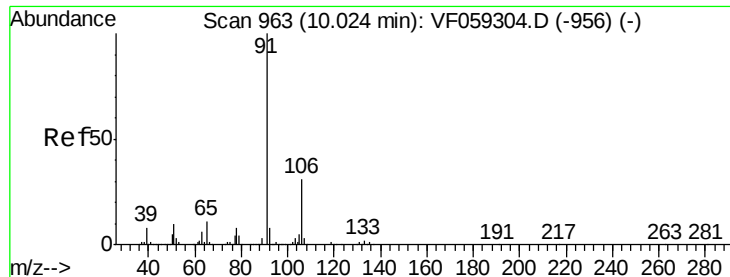
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 47.580 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

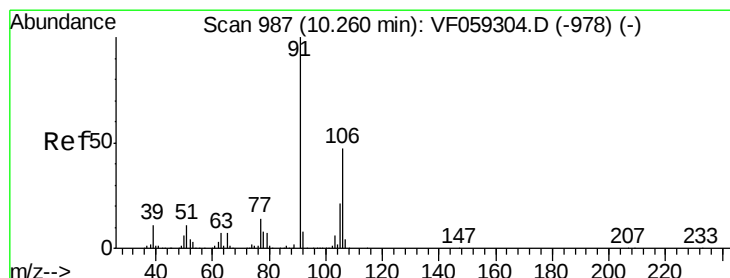
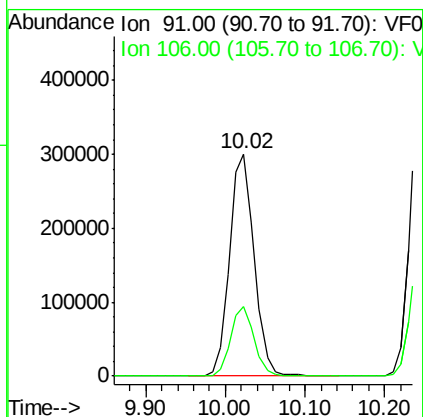
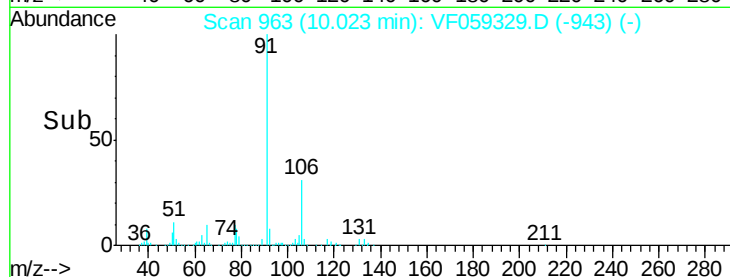
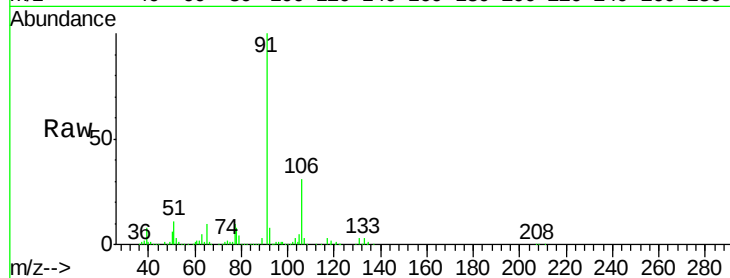
VSTDCCC050EC

Tot Ion: 91 Resp: 651812

Ion Ratio Lower Upper

91 100

106 31.3 24.8 37.2



#68

m/p-Xylenes

Concen: 95.674 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059329.D

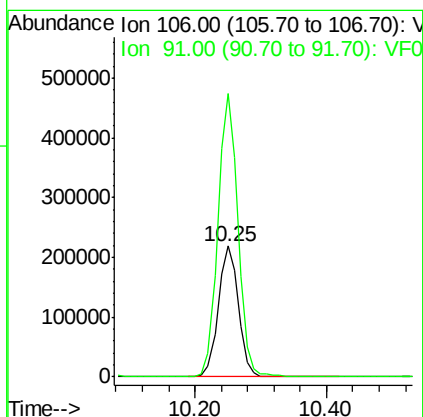
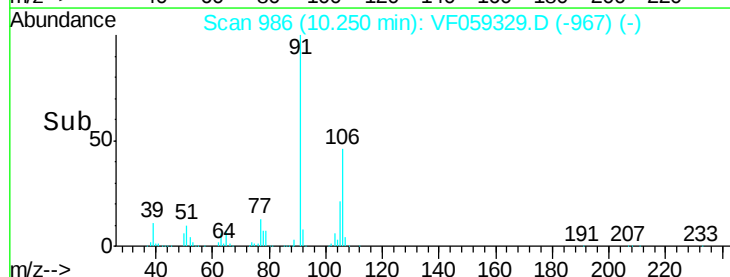
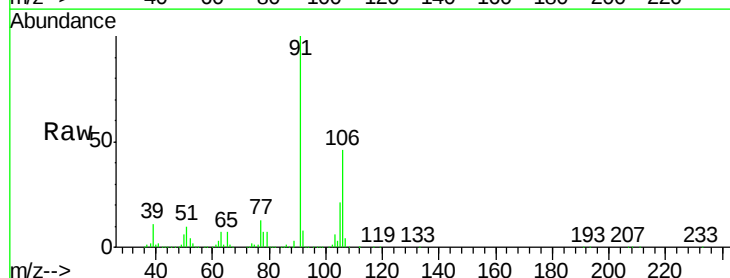
Acq: 26 Jun 2018 21:22

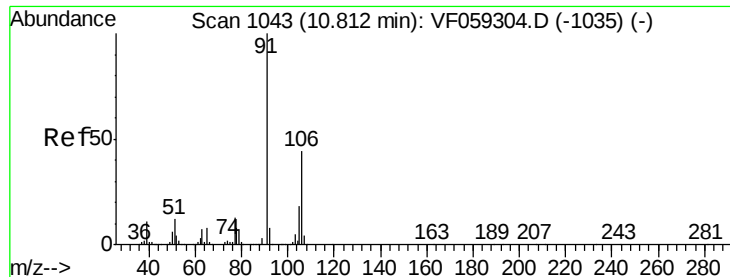
Tgt Ion: 106 Resp: 466500

Ion Ratio Lower Upper

106 100

91 216.3 170.8 256.2

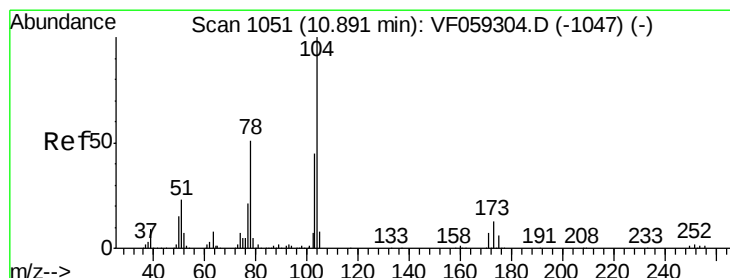
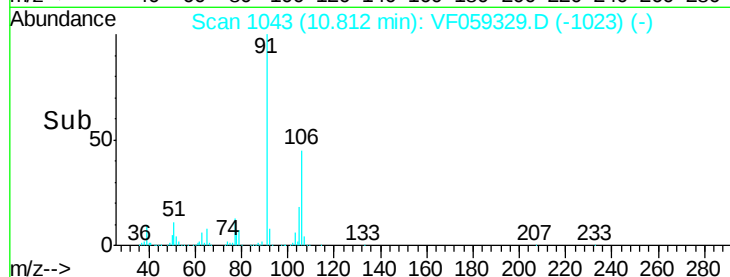
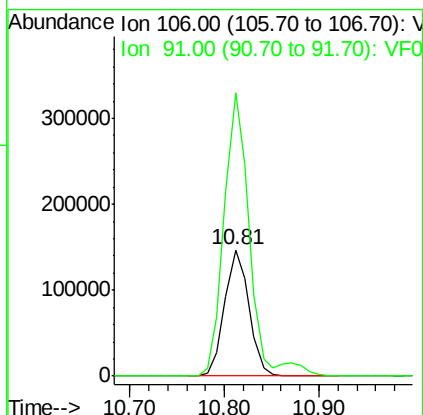
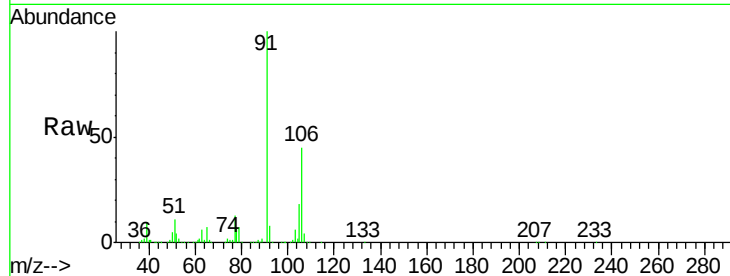




#69
o-Xylene
Concen: 48.525 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

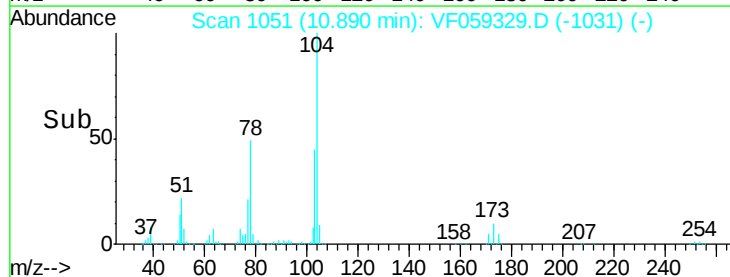
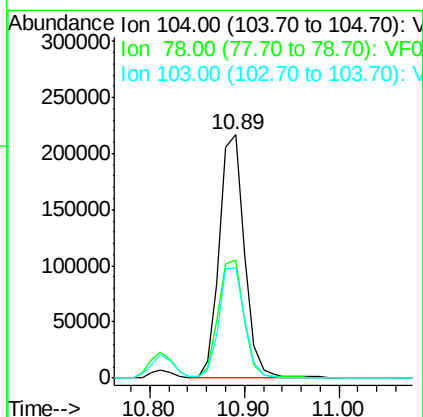
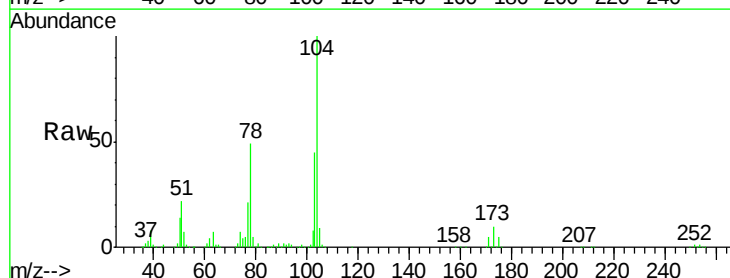
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

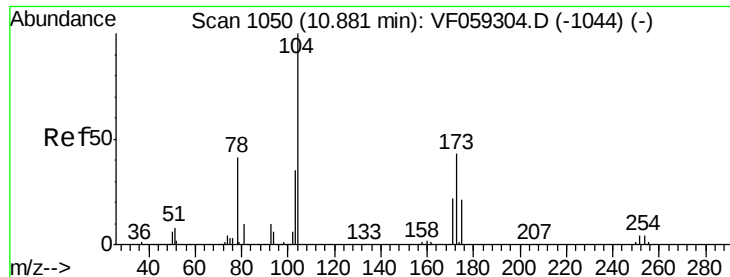
Tot Ion:106 Resp: 264647
Ion Ratio Lower Upper
106 100
91 224.4 114.6 343.6



#70
Styrene
Concen: 47.930 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion:104 Resp: 398195
Ion Ratio Lower Upper
104 100
78 48.7 40.9 61.3
103 45.4 36.5 54.7





#71

Bromoform

Concen: 46.719 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

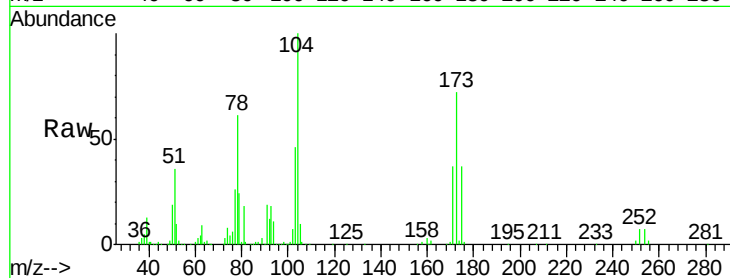
Tot Ion:173 Resp: 111840

Ion Ratio Lower Upper

173 100

175 50.9 24.8 74.3

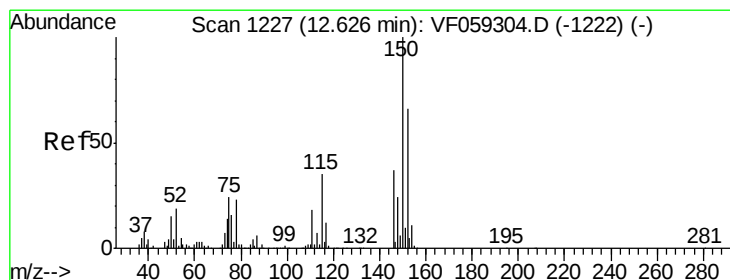
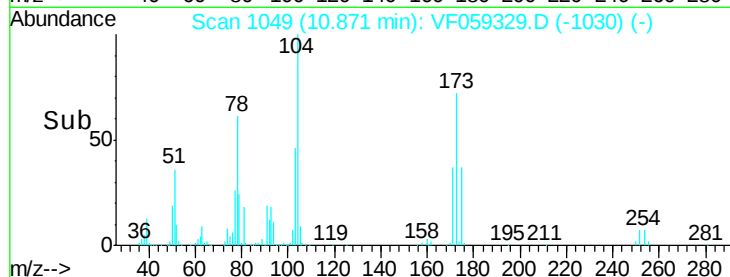
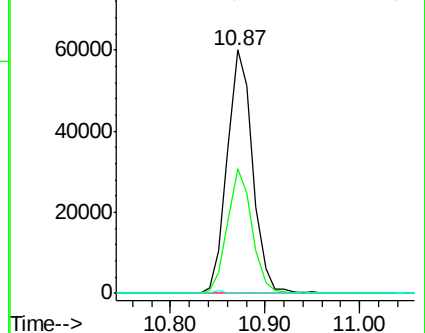
254 0.0 0.0 0.0



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: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

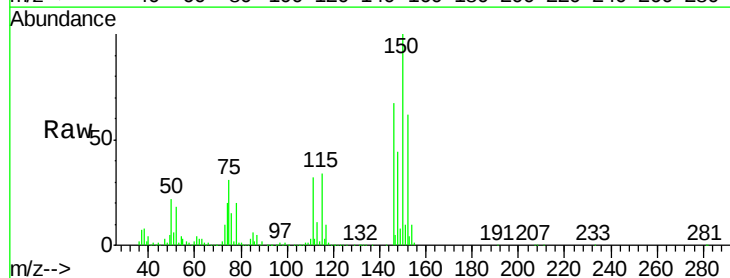
Tgt Ion:152 Resp: 247313

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.3

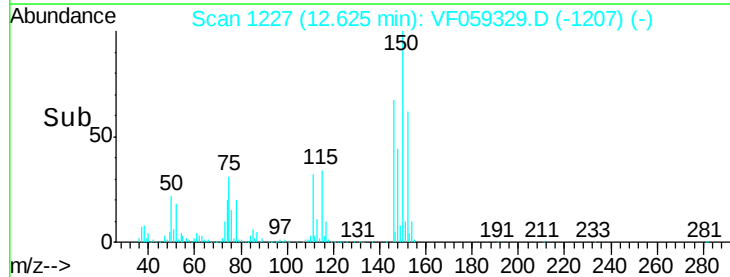
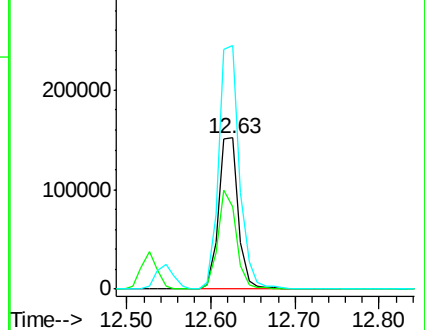
150 161.2 0.0 305.2

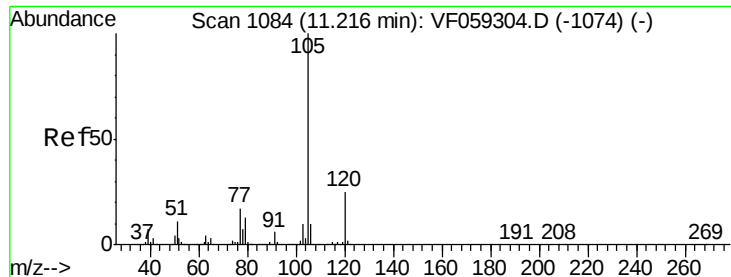


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.261 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

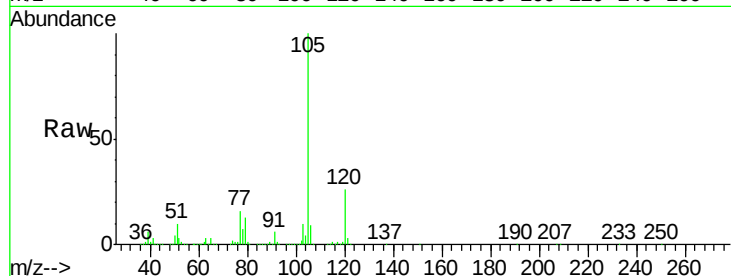
VSTDCCC050EC

Tot Ion:105 Resp: 752972

Ion Ratio Lower Upper

105 100

120 25.5 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

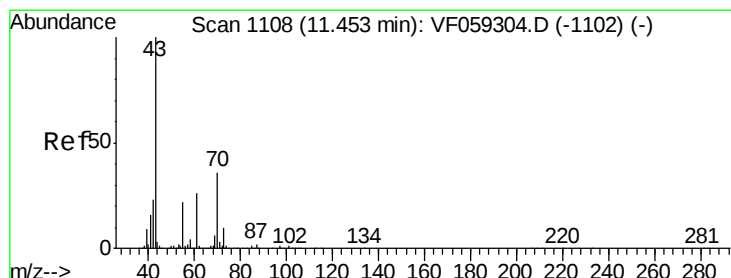
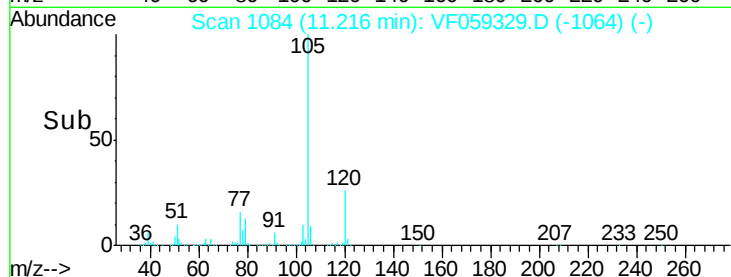
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 53.587 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion: 43 Resp: 280175

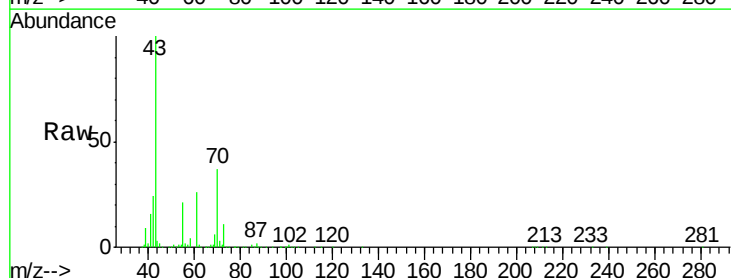
Ion Ratio Lower Upper

43 100

70 36.8 28.8 43.2

55 20.8 17.4 26.0

61 26.0 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.45

200000

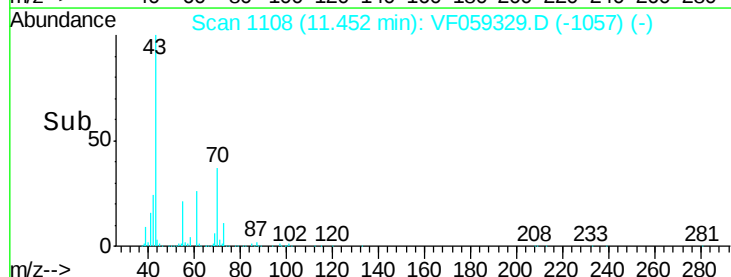
150000

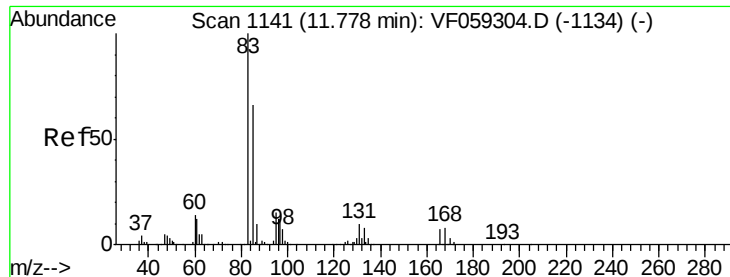
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.401 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

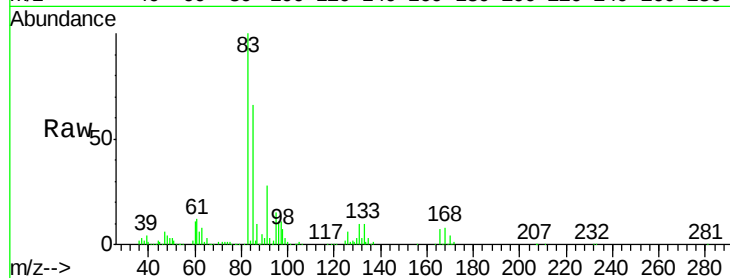
Tot Ion: 83 Resp: 179759

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

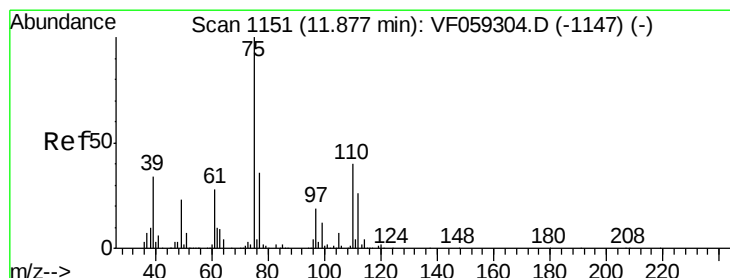
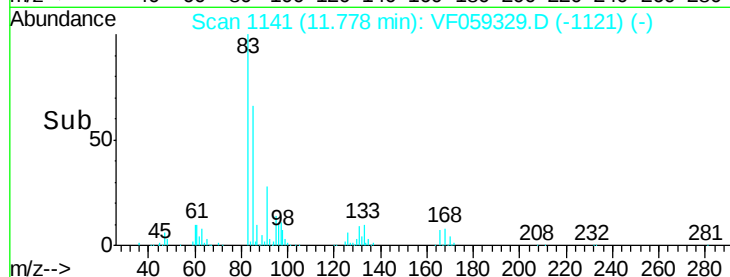
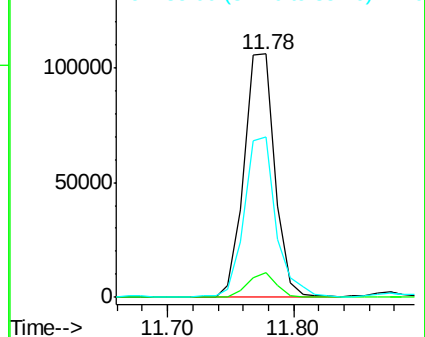
85 65.7 32.8 98.4



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: 48.535 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059329.D

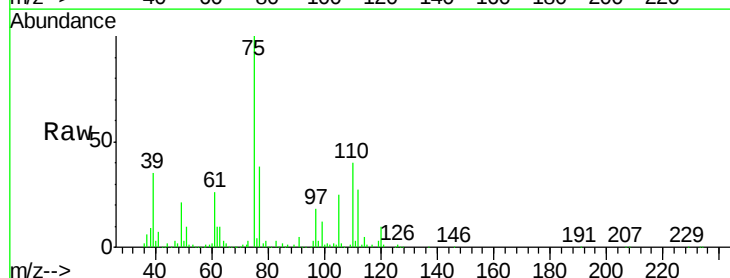
Acq: 26 Jun 2018 21:22

Tgt Ion: 75 Resp: 133221

Ion Ratio Lower Upper

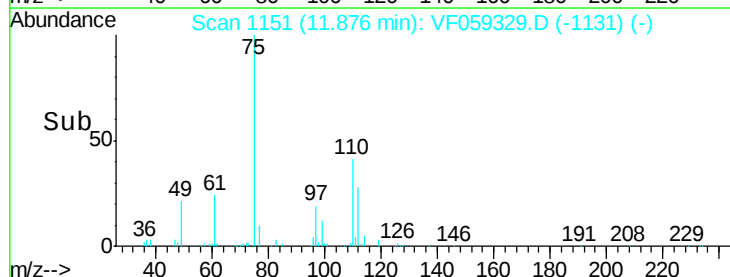
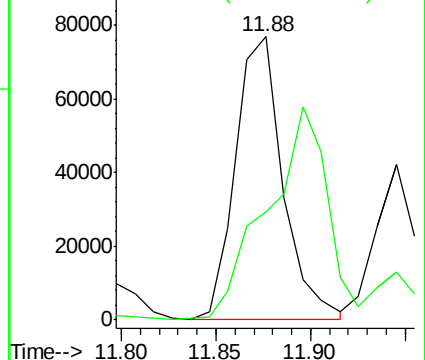
75 100

77 38.1 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.471 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

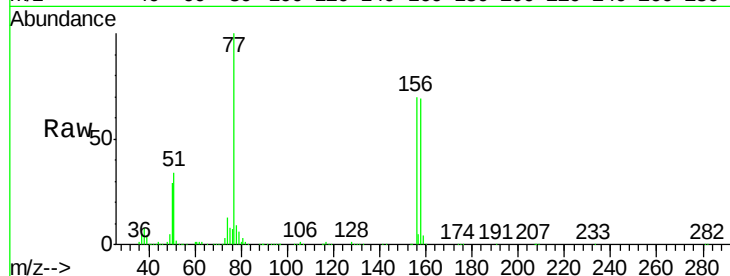
Tot Ion:156 Resp: 201748

Ion Ratio Lower Upper

156 100

77 142.7 79.7 238.9

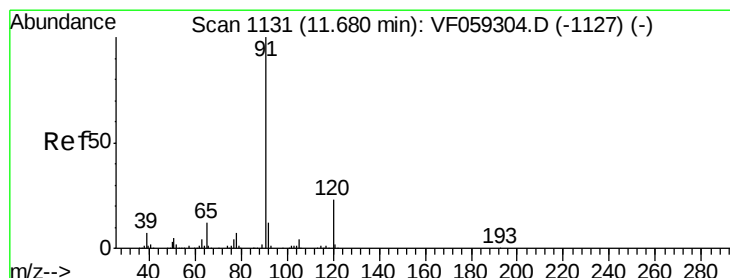
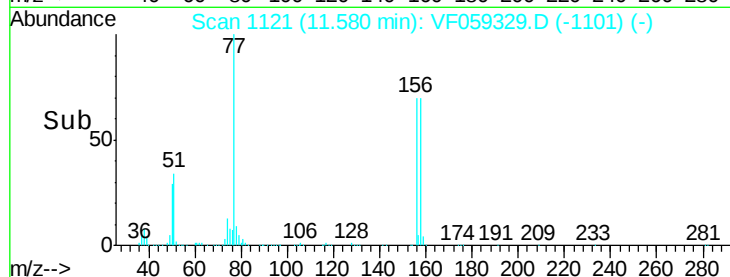
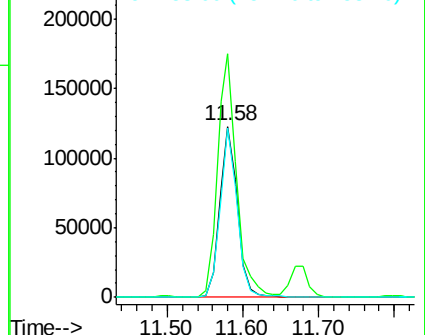
158 99.1 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.982 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059329.D

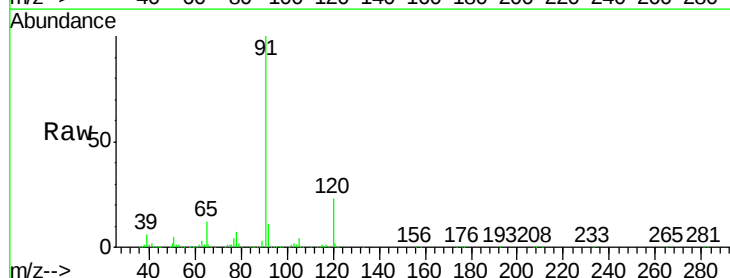
Acq: 26 Jun 2018 21:22

Tgt Ion: 91 Resp: 882155

Ion Ratio Lower Upper

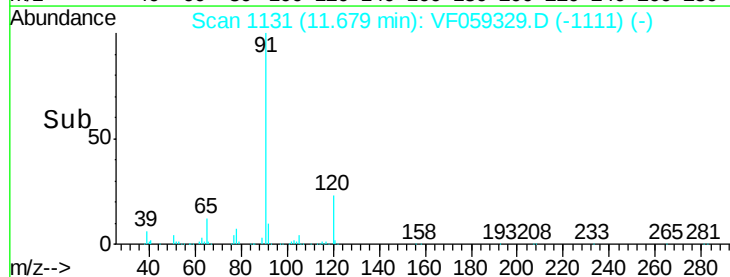
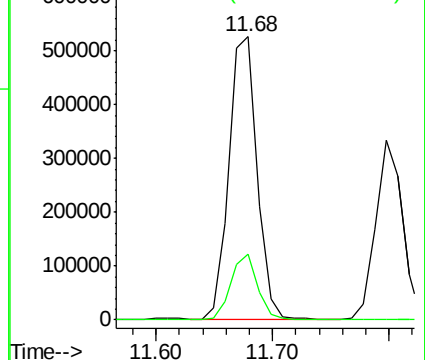
91 100

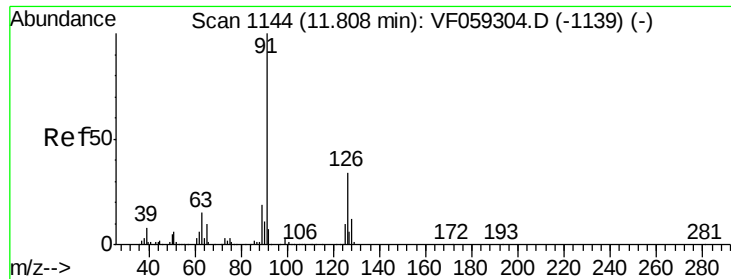
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.970 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

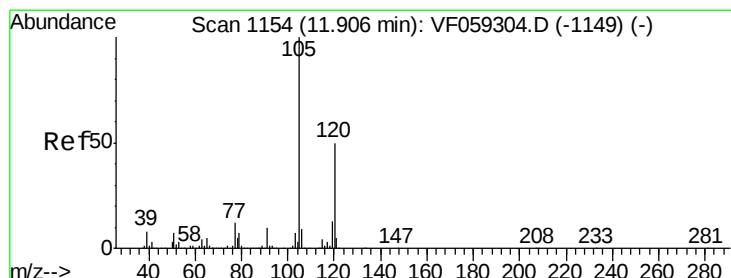
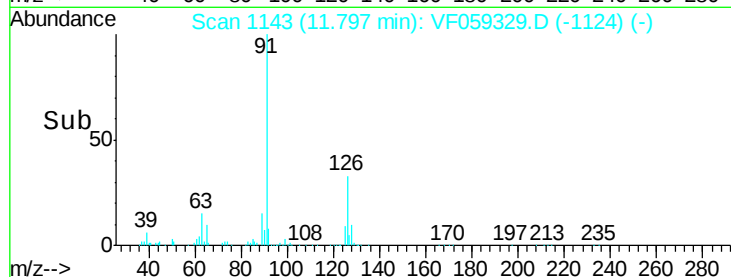
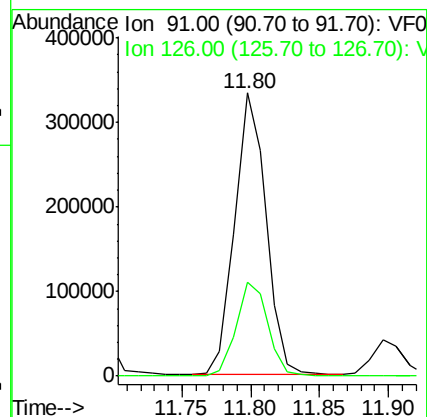
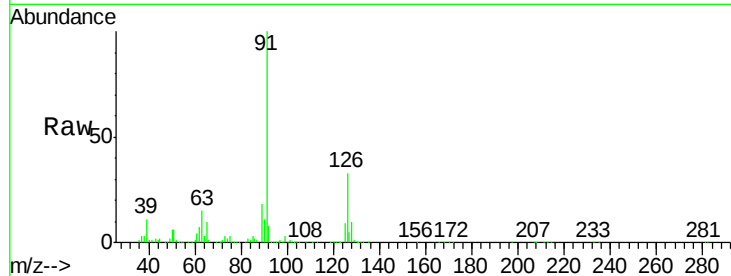
VSTDCCC050EC

Tot Ion: 91 Resp: 528252

Ion Ratio Lower Upper

91 100

126 33.2 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 50.399 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059329.D

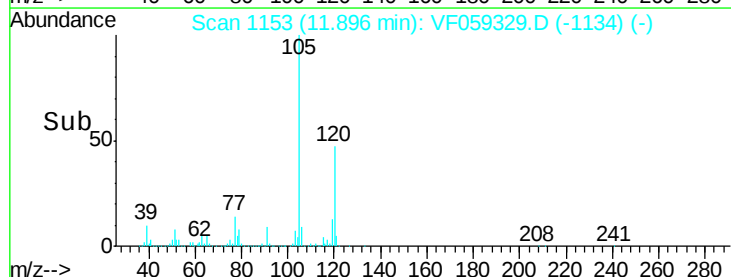
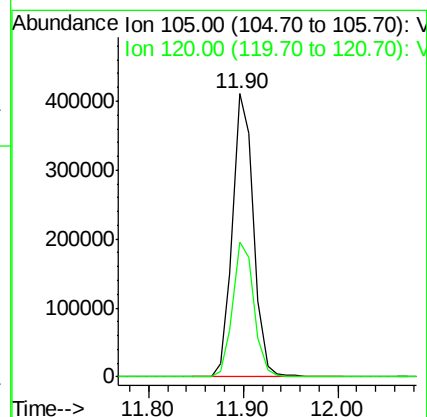
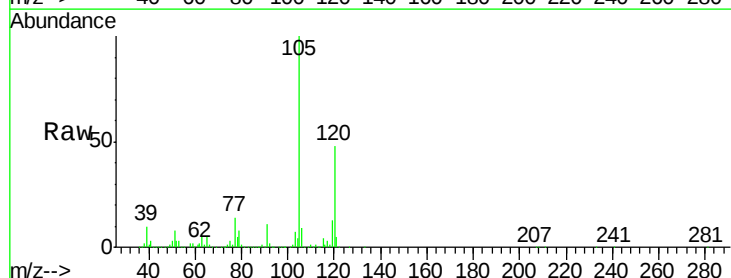
Acq: 26 Jun 2018 21:22

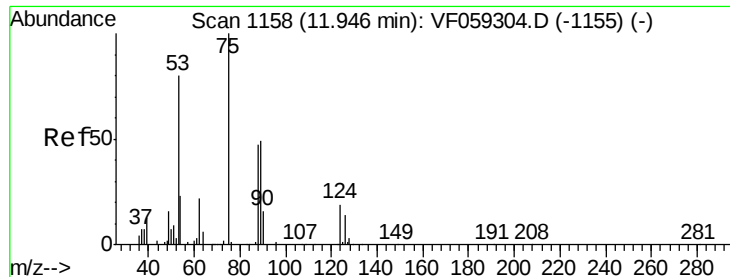
Tgt Ion: 105 Resp: 636069

Ion Ratio Lower Upper

105 100

120 47.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 48.465 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

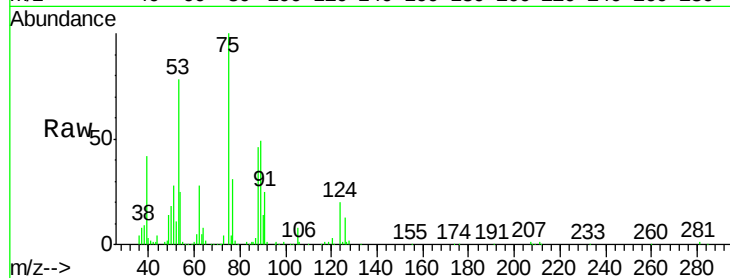
Tot Ion: 75 Resp: 79175

Ion Ratio Lower Upper

75 100

53 78.4 68.8 103.2

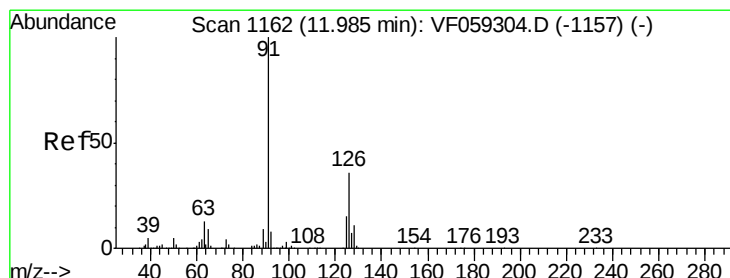
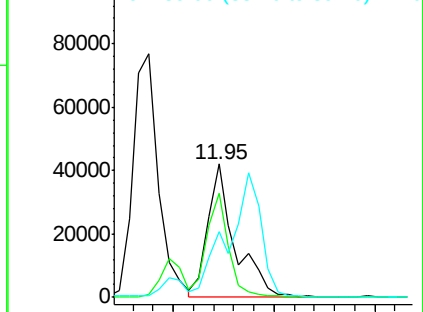
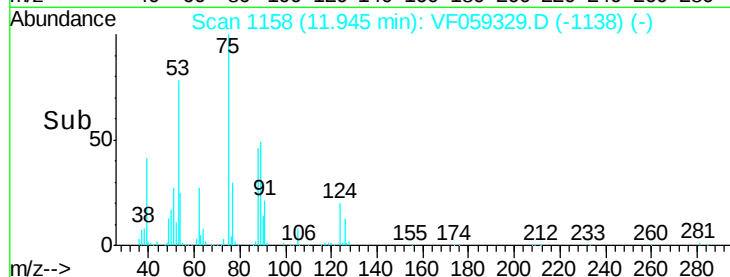
89 49.0 42.0 63.0



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: 49.618 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059329.D

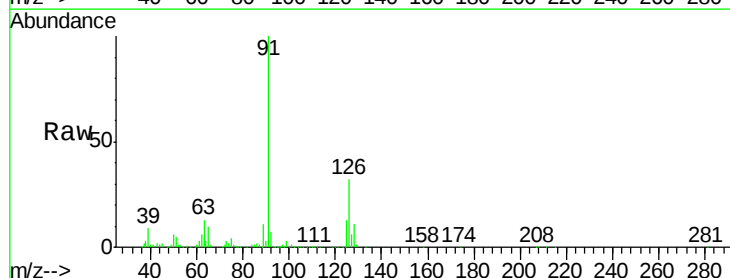
Acq: 26 Jun 2018 21:22

Tgt Ion: 91 Resp: 561832

Ion Ratio Lower Upper

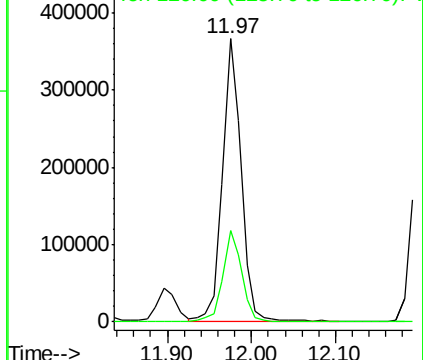
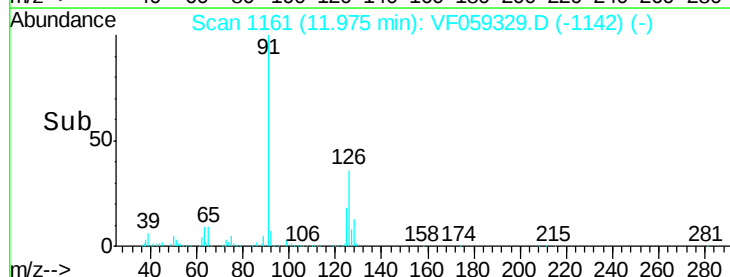
91 100

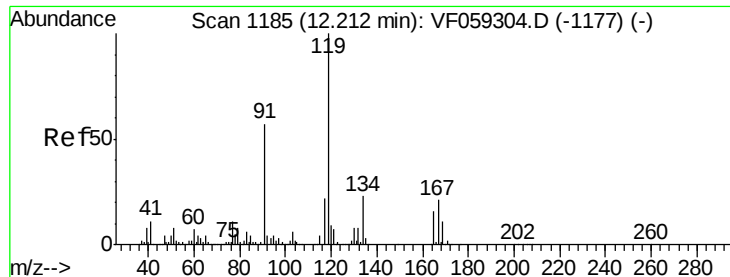
126 32.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

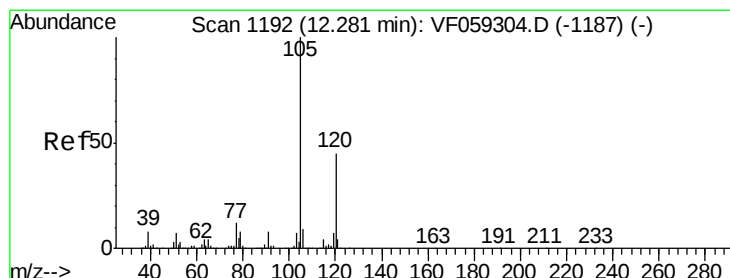
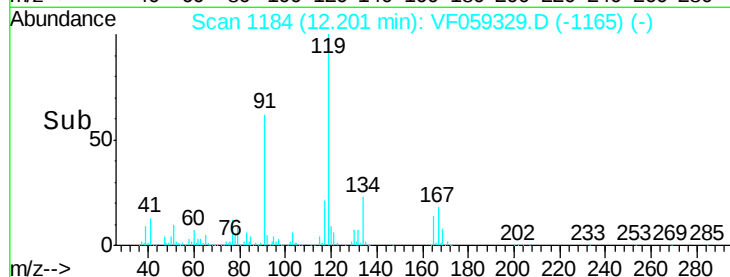
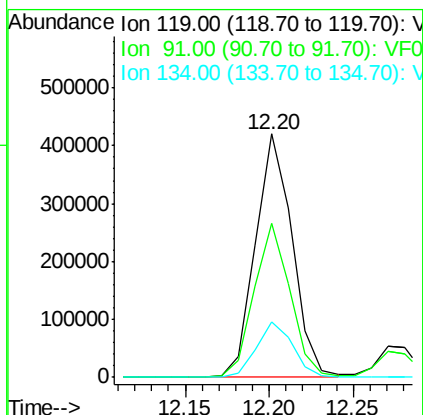
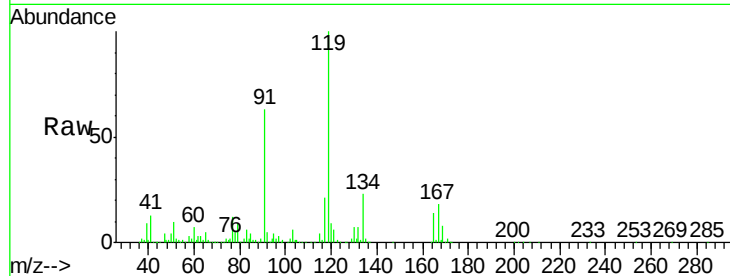




#83
 tert-Butylbenzene
 Concen: 50.428 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

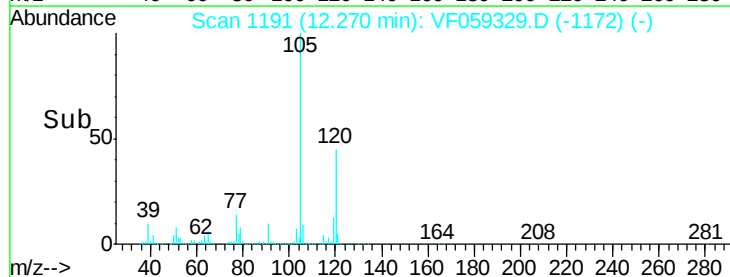
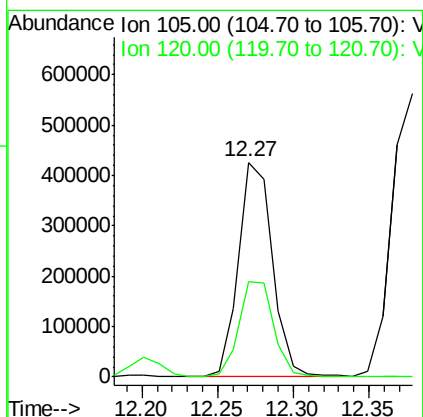
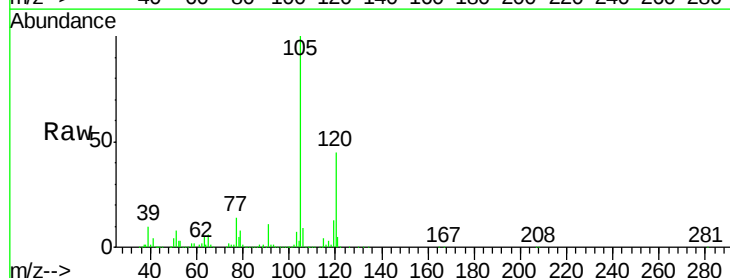
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

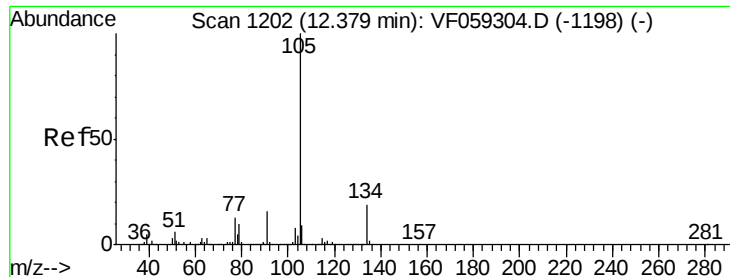
Tot Ion:119 Resp: 636543
 Ion Ratio Lower Upper
 119 100
 91 63.1 28.4 85.2
 134 22.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.162 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion:105 Resp: 666754
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.4

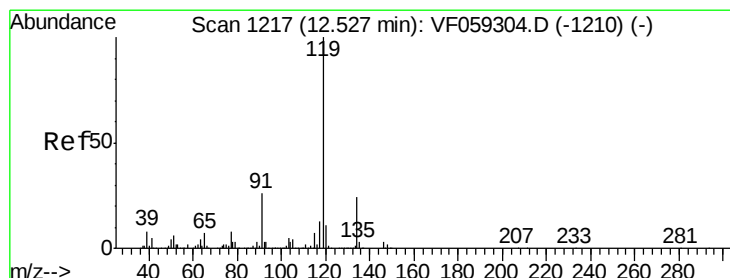
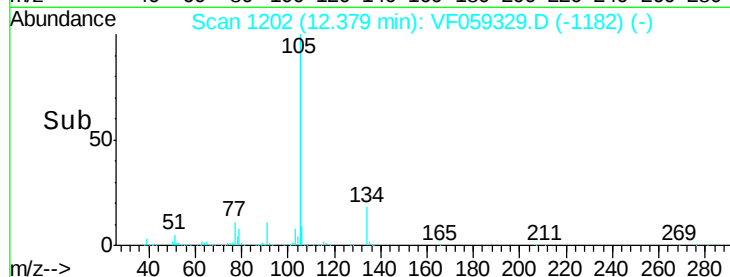
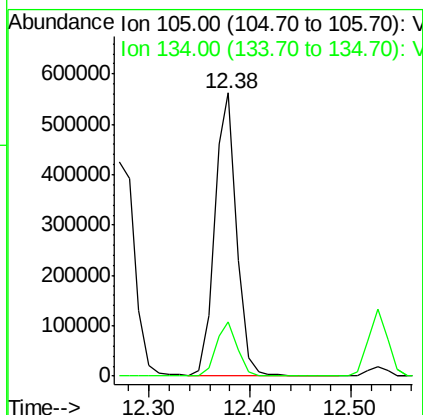
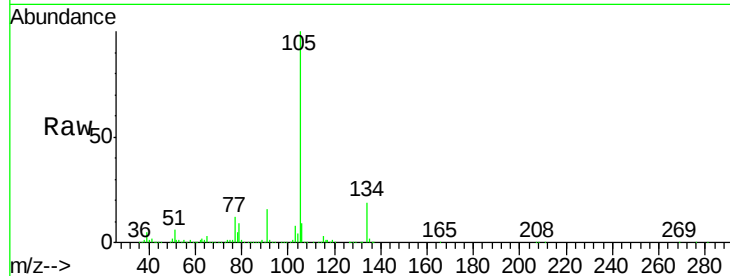




#85
 sec-Butylbenzene
 Concen: 50.608 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

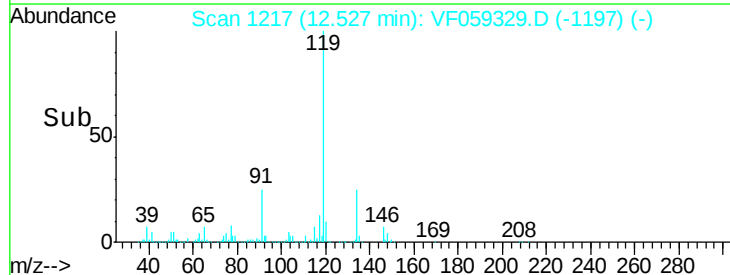
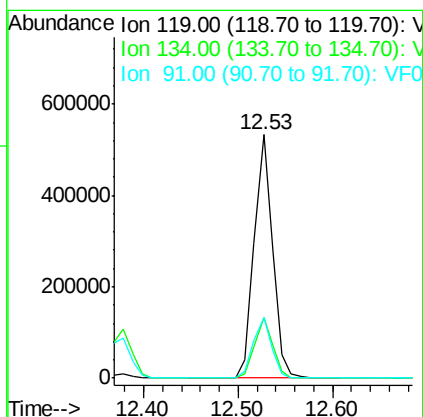
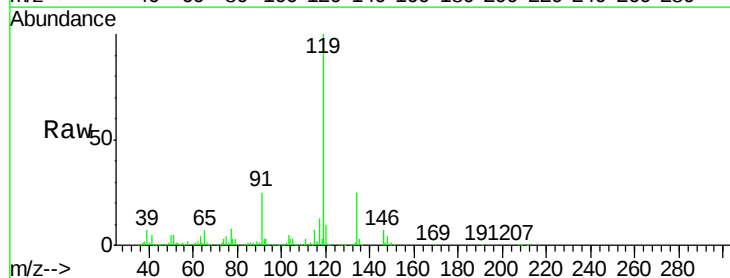
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

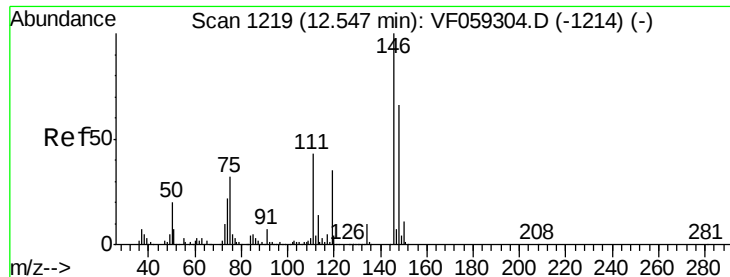
Tot Ion:105 Resp: 846760
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 51.228 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion:119 Resp: 719322
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.2 36.4
 91 25.1 12.9 38.6

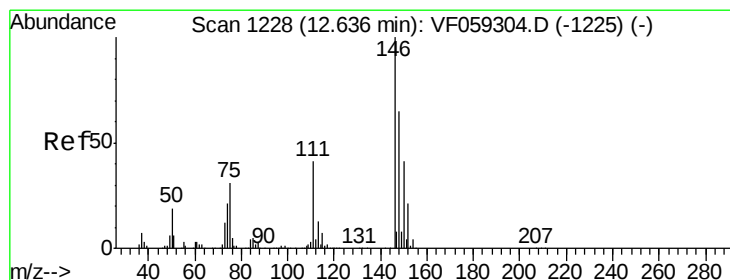
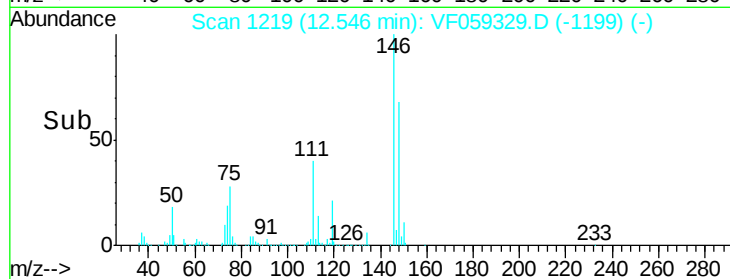
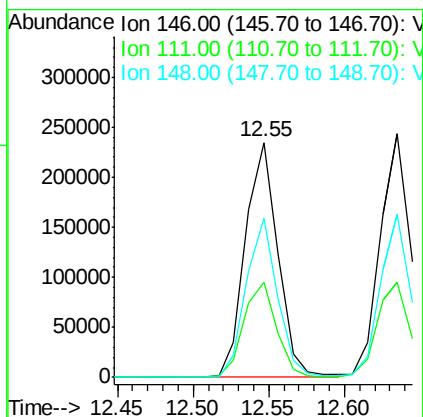
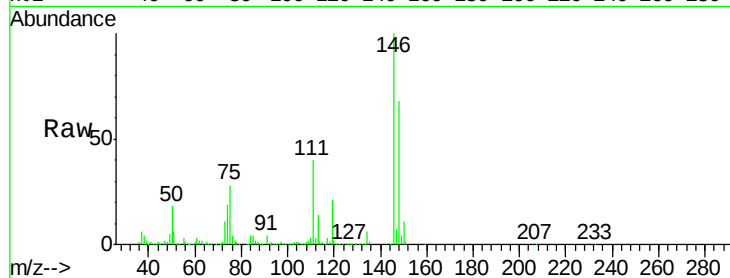




#87
 1,3-Dichlorobenzene
 Concen: 54.052 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

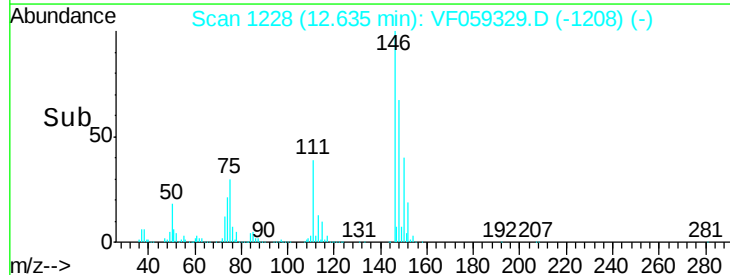
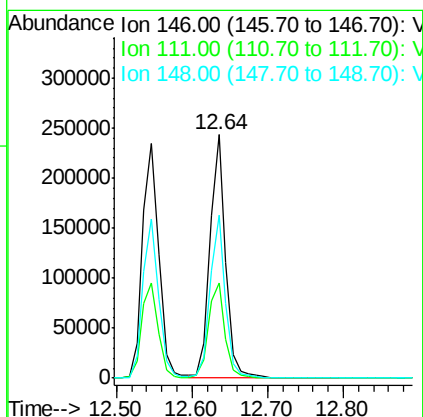
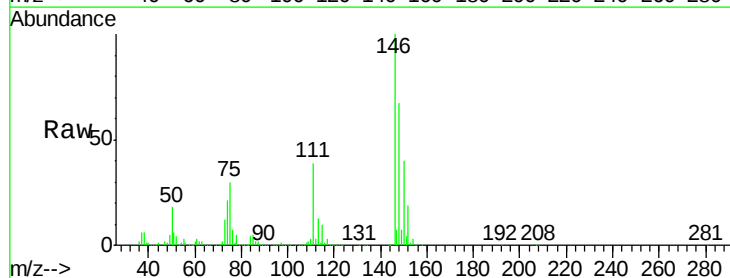
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

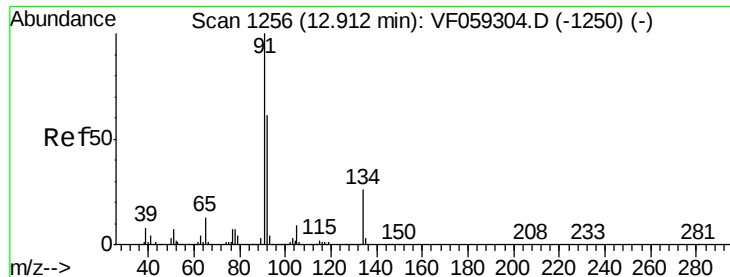
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.2
148	68.0	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 49.800 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.7	62.1
148	66.9	32.8	98.3





#89

n-Butylbenzene

Concen: 50.798 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

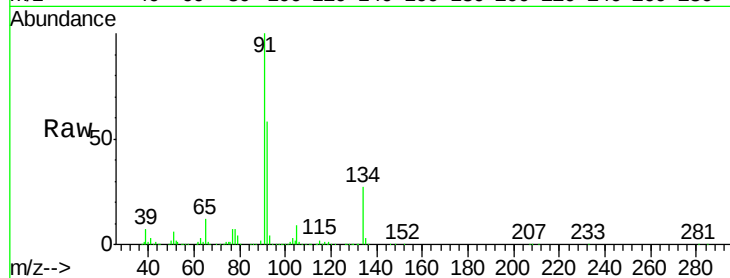
Tot Ion: 91 Resp: 724101

Ion Ratio Lower Upper

91 100

92 58.3 30.3 91.0

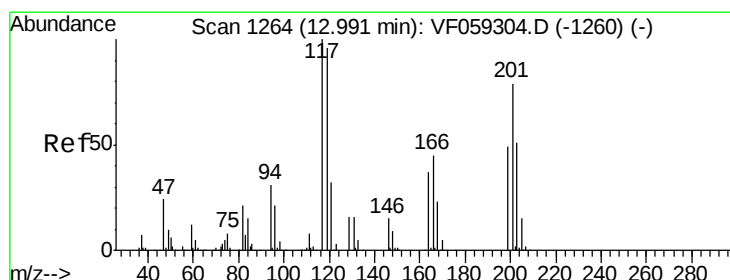
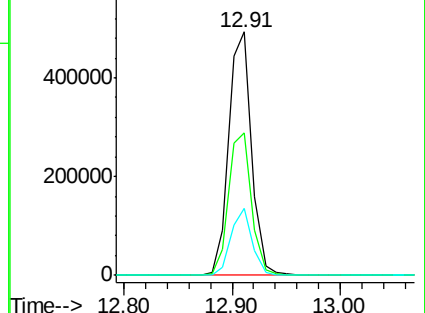
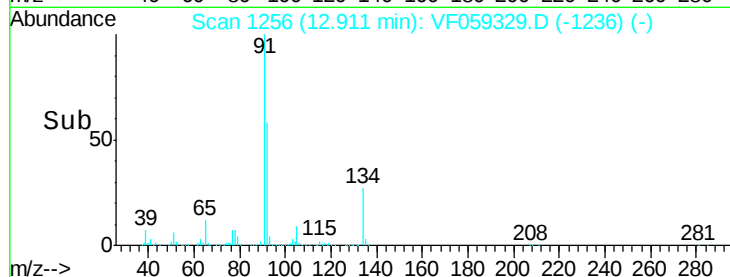
134 27.3 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.314 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059329.D

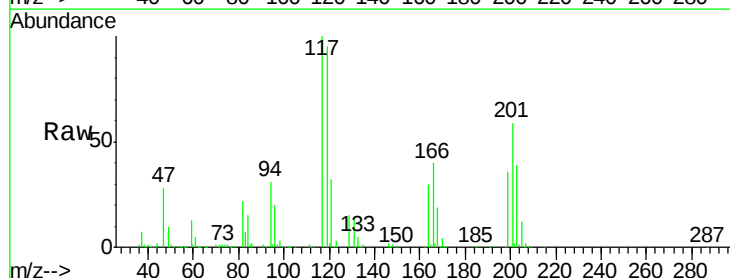
Acq: 26 Jun 2018 21:22

Tgt Ion: 117 Resp: 179583

Ion Ratio Lower Upper

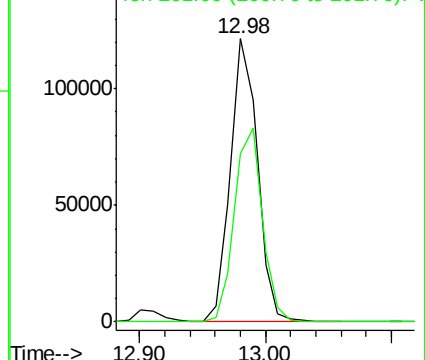
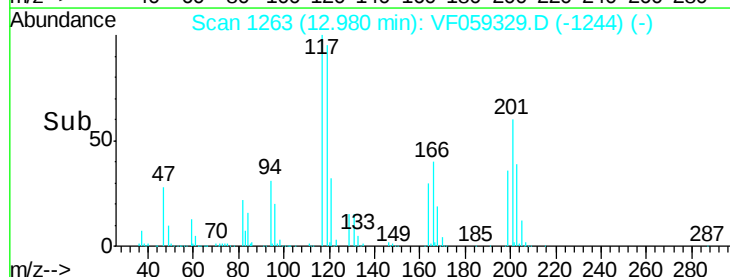
117 100

201 59.4 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 49.471 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

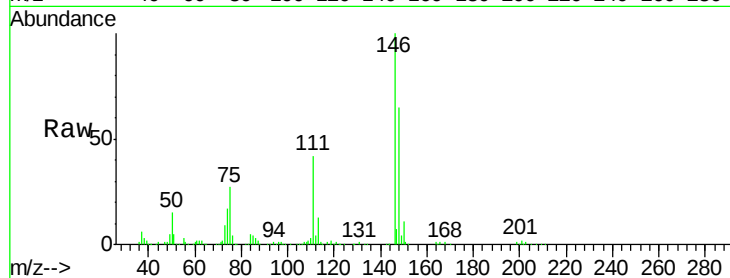
Tot Ion:146 Resp: 359003

Ion Ratio Lower Upper

146 100

111 42.0 22.7 68.0

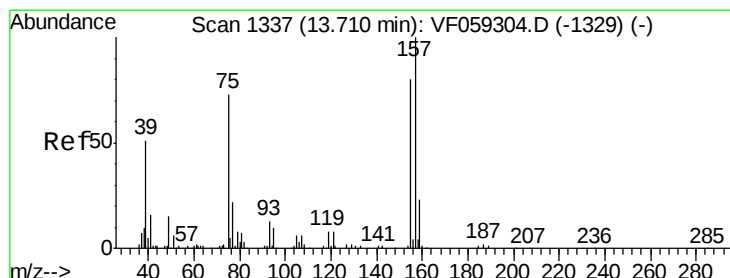
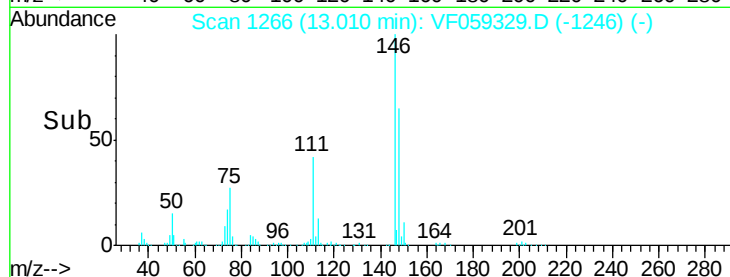
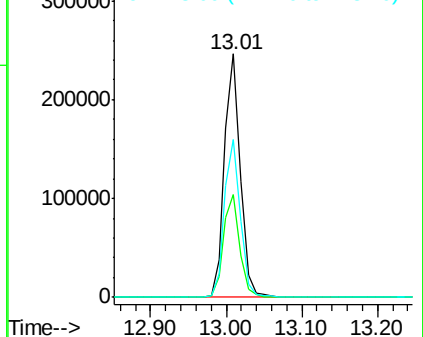
148 65.0 33.5 100.4



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: 47.412 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

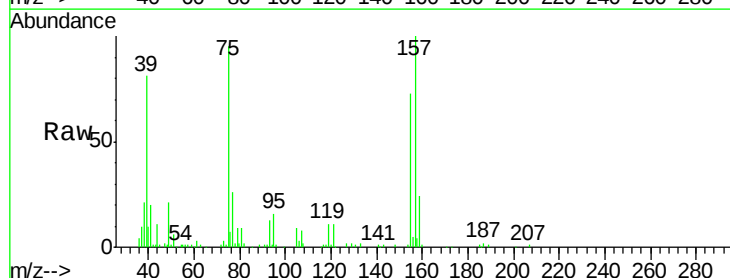
Tgt Ion: 75 Resp: 38244

Ion Ratio Lower Upper

75 100

155 76.8 54.6 163.8

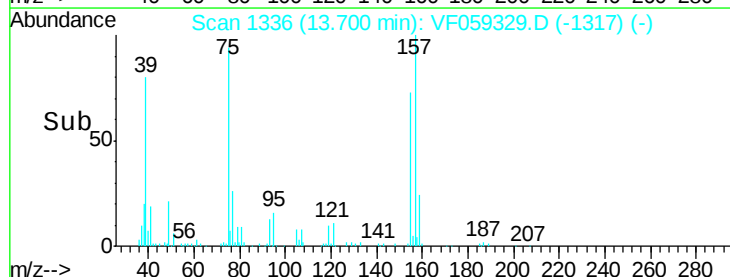
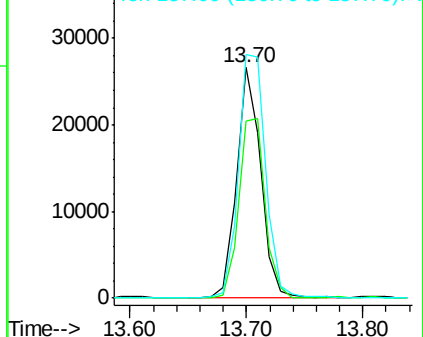
157 105.5 68.7 205.9



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

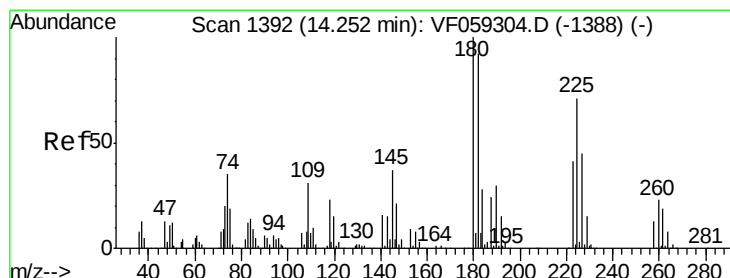
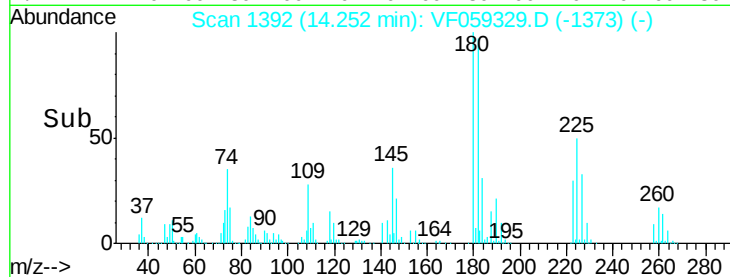
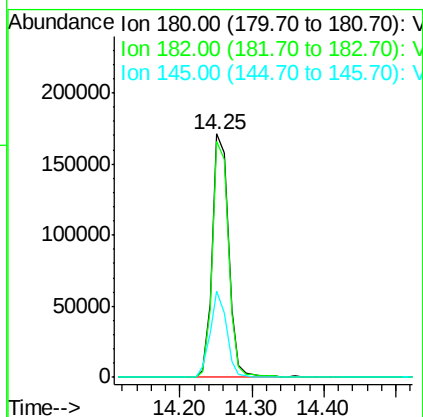
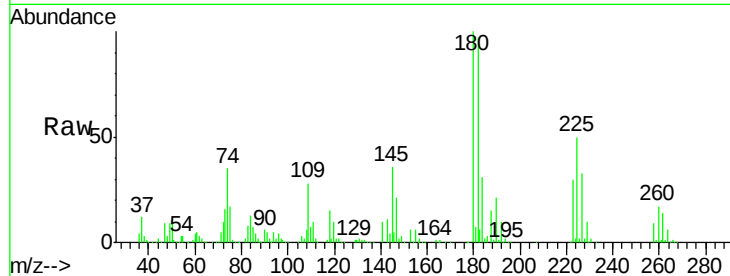




#93
 1,2,4-Trichlorobenzene
 Concen: 50.089 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

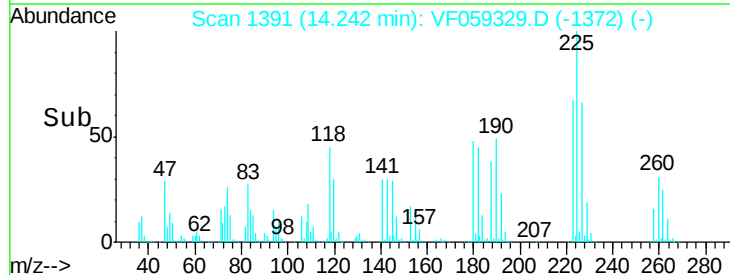
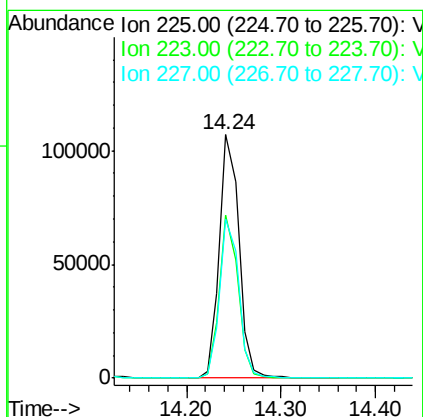
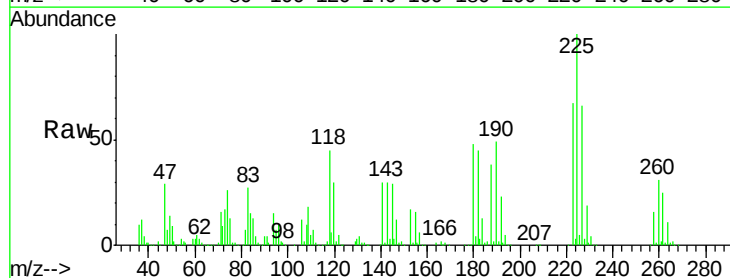
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

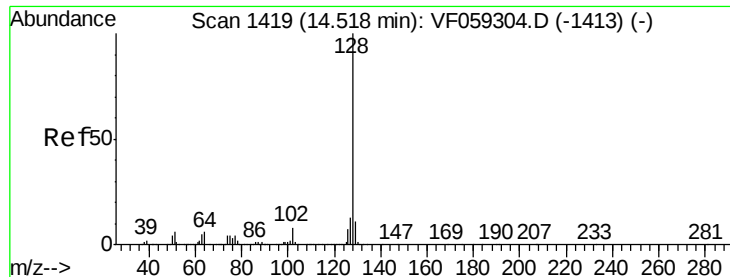
Tot Ion	180	Resp	268770
Ion Ratio	100		
Lower	48.1		
Upper	144.3		
182	96.8		
145	35.6		
	15.3		
	45.8		



#94
 Hexachlorobutadiene
 Concen: 51.482 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	225	Resp	154301
Ion Ratio	100		
Lower	28.9		
Upper	86.8		
223	66.9		
227	65.6		
	31.3		
	93.8		

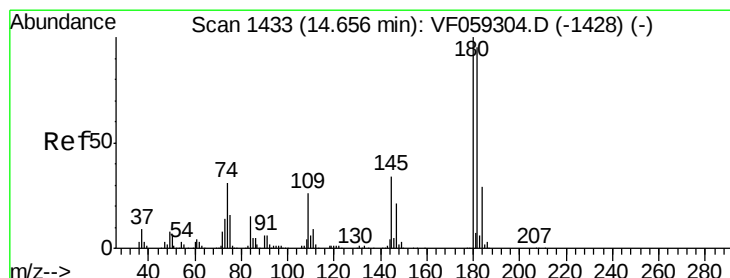
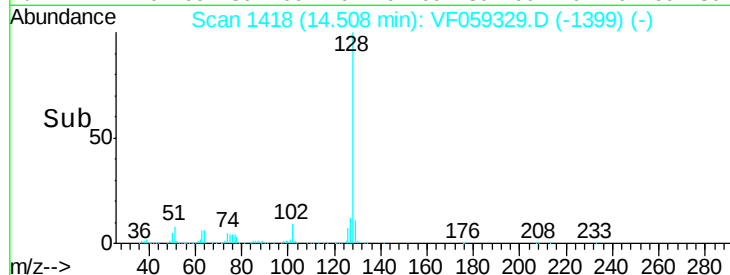
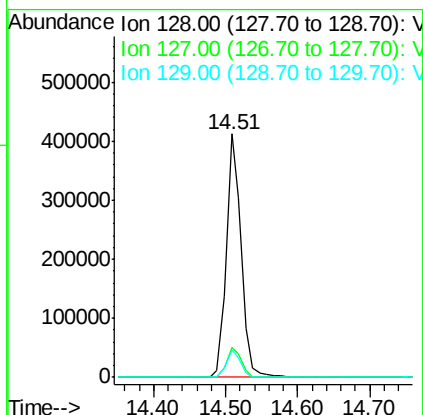
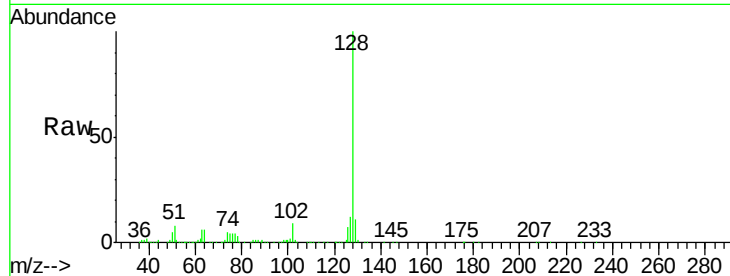




#95
Naphthalene
Concen: 52.128 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 585223
Ion Ratio Lower Upper
128 100
127 12.1 10.1 15.1
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.201 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion:180 Resp: 260265
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.5
145 31.5 17.0 50.9

