

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059229.D
 Acq On : 20 Jun 2018 15:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:42 AM

Quant Time: Jun 21 07:10:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	251029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	388085	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	399380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	236627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	177422	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
35) Dibromofluoromethane	4.29	113	152003	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
50) Toluene-d8	7.71	98	383521	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.51	95	218102	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	139204	48.99	ug/l	98
3) Chloromethane	1.08	50	90856	41.28	ug/l	95
4) Vinyl Chloride	1.15	62	88638	44.64	ug/l	99
5) Bromomethane	1.34	94	56569	48.90	ug/l	95
6) Chloroethane	1.43	64	42930	52.11	ug/l	99
7) Trichlorofluoromethane	1.49	101	181901m	58.94	ug/l	
8) Diethyl Ether	1.70	74	45609	58.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	91966	46.75	ug/l	92
10) Methyl Iodide	1.96	142	180004	52.30	ug/l	97
11) Tert butyl alcohol	2.68	59	58759	301.22	ug/l	98
12) 1,1-Dichloroethene	1.85	96	86631	52.37	ug/l	95
13) Acrolein	2.09	56	41250	244.31	ug/l	100
14) Allyl chloride	2.19	41	165690	51.04	ug/l	92
15) Acrylonitrile	3.07	53	100376	259.09	ug/l	# 91
16) Acetone	2.33	43	255005m	350.81	ug/l	
17) Carbon Disulfide	1.86	76	209107m	45.03	ug/l	
18) Methyl Acetate	2.44	43	69853m	55.90	ug/l	
19) Methyl tert-butyl Ether	2.53	73	314610m	61.27	ug/l	
20) Methylene Chloride	2.27	84	91809m	52.75	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	91452	50.41	ug/l	90
22) Diisopropyl ether	2.93	45	350968	55.00	ug/l	99
23) Vinyl Acetate	3.34	43	1291325	306.89	ug/l	98
24) 1,1-Dichloroethane	2.99	63	215159	55.61	ug/l	100
25) 2-Butanone	4.50	43	320226	284.16	ug/l	99
26) 2,2-Dichloropropane	3.75	77	148166	52.79	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	139629	50.01	ug/l	89
28) Bromochloromethane	3.88	49	89813	51.57	ug/l	# 93
29) Tetrahydrofuran	4.25	42	133891	269.64	ug/l	98
30) Chloroform	4.03	83	304417	55.00	ug/l	94
31) Cyclohexane	3.86	56	146955	43.48	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	215687	52.20	ug/l	98
36) 1,1-Dichloropropene	4.45	75	198112	52.67	ug/l	95
37) Ethyl Acetate	4.29	43	137620	59.21	ug/l	# 83
38) Carbon Tetrachloride	4.16	117	237814m	58.33	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	185151	48.29	ug/l	97
40) Benzene	4.80	78	427328	48.94	ug/l	98
41) Methacrylonitrile	4.92	41	66378	58.13	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	245143m	62.60	ug/l	
43) Isopropyl Acetate	7.10	43	169805	54.55	ug/l #	95
44) Trichloroethene	5.67	130	146128	53.56	ug/l	96
45) 1,2-Dichloropropane	6.40	63	121379	48.21	ug/l	98
46) Dibromomethane	6.25	93	109908	58.02	ug/l	91
47) Bromodichloromethane	6.54	83	252980	58.71	ug/l	97
48) Methyl methacrylate	6.87	41	114245	59.54	ug/l	94
49) 1,4-Dioxane	6.86	88	12078	857.36	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	637066m	298.60	ug/l	
52) Toluene	7.78	92	308823	49.11	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	241698	57.92	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	262045	54.66	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	130653	57.33	ug/l	95
56) Ethyl methacrylate	8.75	69	163253	56.83	ug/l	93
57) 1,3-Dichloropropane	9.00	76	226929	58.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	52968	257.88	ug/l	100
59) 2-Hexanone	9.63	43	522085m	309.37	ug/l	
60) Dibromochloromethane	8.86	129	194080	59.26	ug/l	98
61) 1,2-Dibromoethane	9.14	107	157540	59.49	ug/l	99
64) Tetrachloroethene	8.30	164	149426	51.01	ug/l	95
65) Chlorobenzene	9.93	112	417717	52.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	169023	53.73	ug/l	99
67) Ethyl Benzene	10.03	91	673202	48.99	ug/l	99
68) m/p-Xylenes	10.27	106	491010	95.44	ug/l	96
69) o-Xylene	10.82	106	277600	49.92	ug/l	97
70) Styrene	10.90	104	419258	49.83	ug/l	99
71) Bromoform	10.89	173	127961	59.89	ug/l #	95
73) Isopropylbenzene	11.23	105	802137	48.96	ug/l	99
74) N-amyl acetate	11.46	43	296701	50.70	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	201481	51.87	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	151205	52.71	ug/l	98
77) Bromobenzene	11.59	156	213944	51.89	ug/l	92
78) n-propylbenzene	11.69	91	931029	48.01	ug/l	100
79) 2-Chlorotoluene	11.81	91	569536	49.72	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	656825	48.44	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	95089	51.13	ug/l	96
82) 4-Chlorotoluene	11.98	91	609651	49.99	ug/l	95
83) tert-Butylbenzene	12.21	119	694598	51.59	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	692351	49.28	ug/l	96
85) sec-Butylbenzene	12.39	105	921601	50.38	ug/l	98
86) p-Isopropyltoluene	12.54	119	761900	50.71	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	368860	48.46	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	385684	52.58	ug/l	99
89) n-Butylbenzene	12.92	91	779677	50.08	ug/l	97
90) Hexachloroethane	12.99	117	192739	52.09	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	387394	52.83	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	46122	60.54	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	255968	49.90	ug/l	98
94) Hexachlorobutadiene	14.25	225	163713	55.16	ug/l	98
95) Naphthalene	14.53	128	658145m	60.07	ug/l	
96) 1,2,3-Trichlorobenzene	14.67	180	280304m	59.14	ug/l	

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

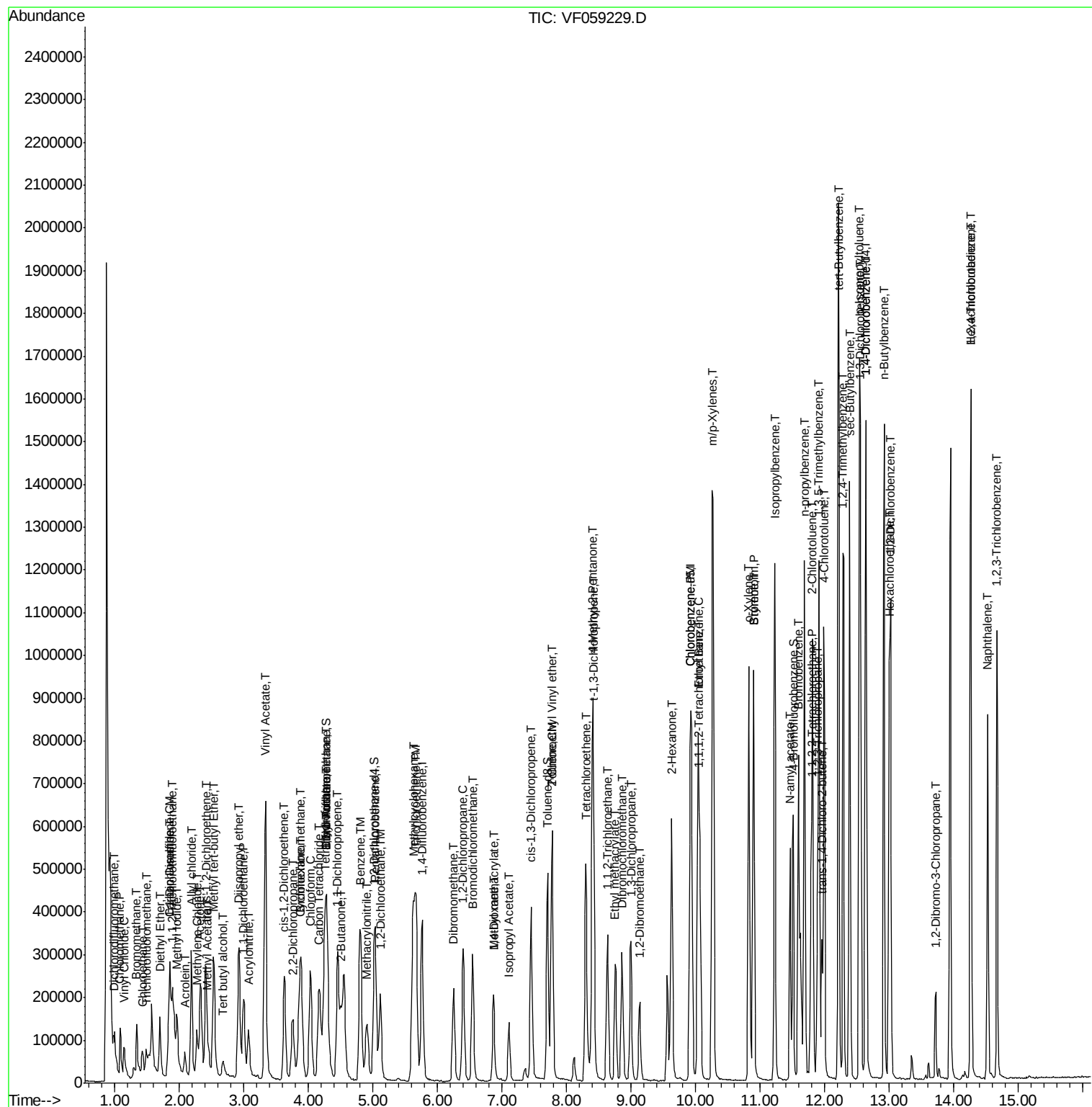
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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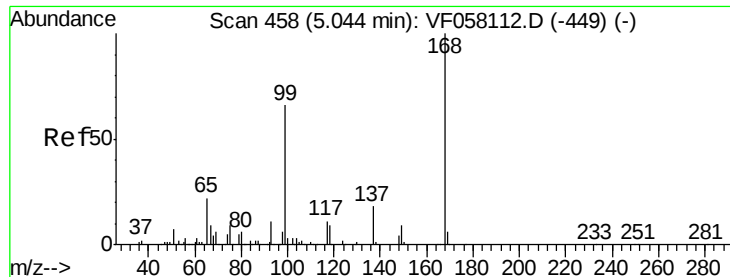
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 251029

Ion Ratio Lower Upper

168 100

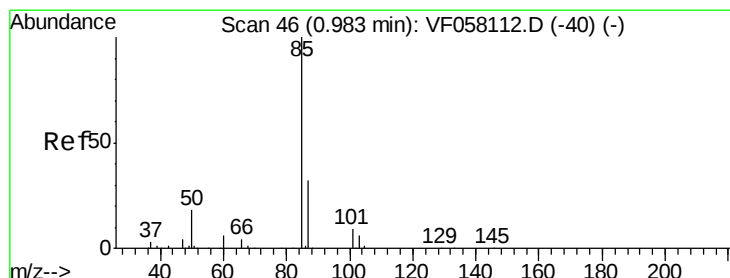
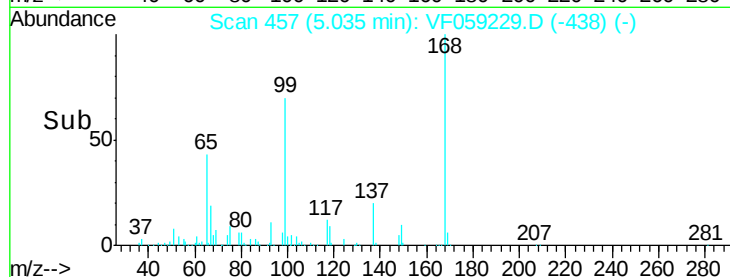
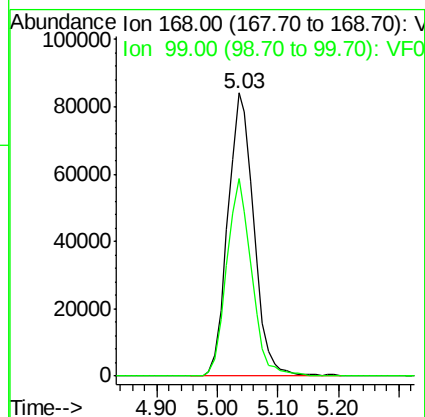
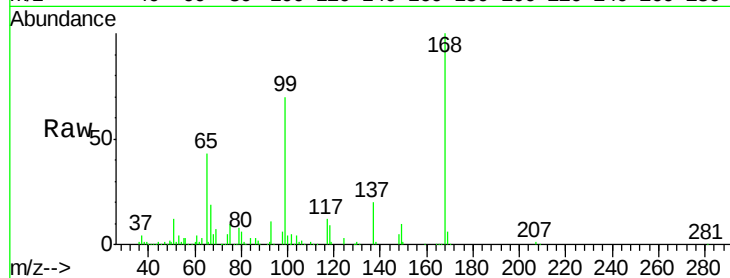
99 69.9 52.9 79.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.99 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059229.D

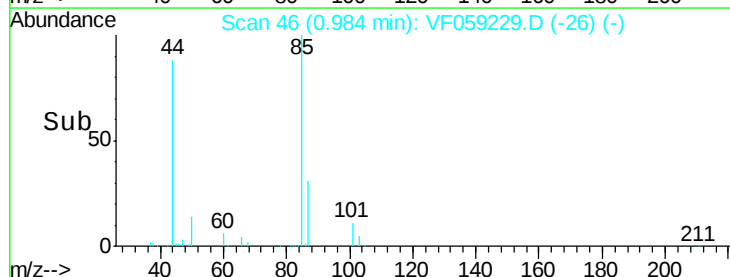
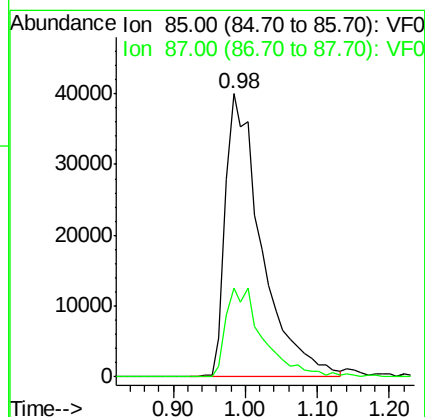
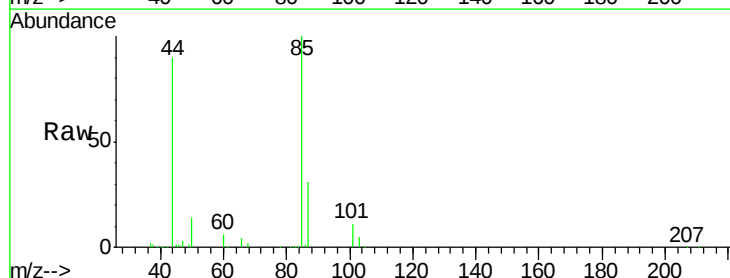
Acq: 20 Jun 2018 15:39

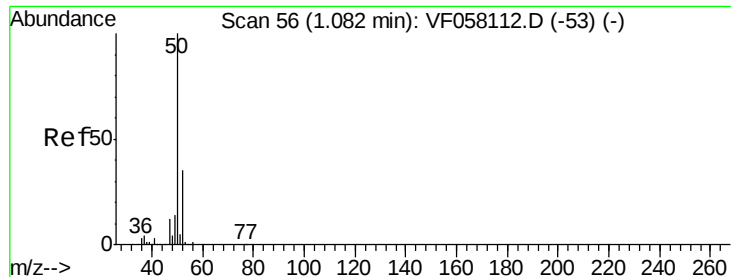
Tgt Ion: 85 Resp: 139204

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6





#3

Chloromethane

Concen: 41.28 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90856

Ion Ratio Lower Upper

50 100

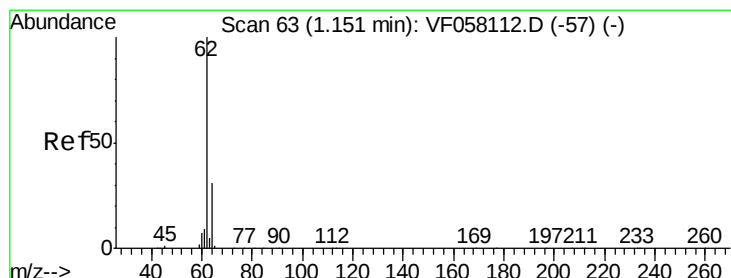
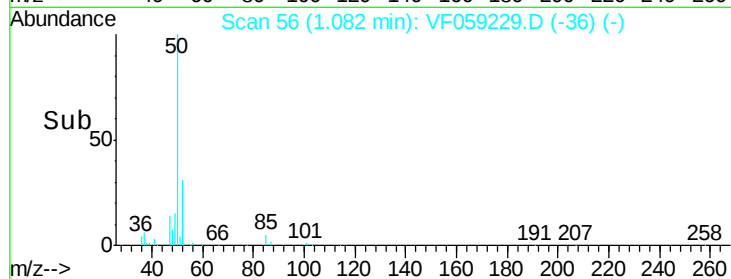
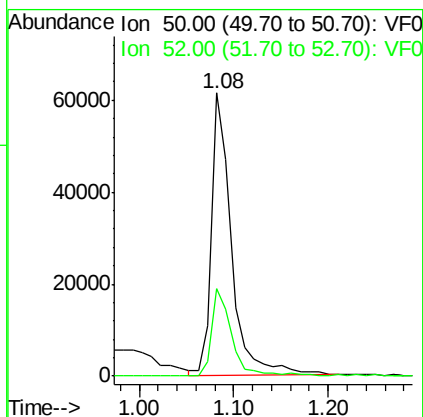
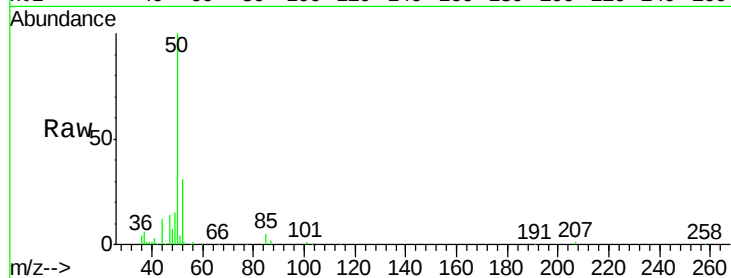
52 31.0 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.64 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059229.D

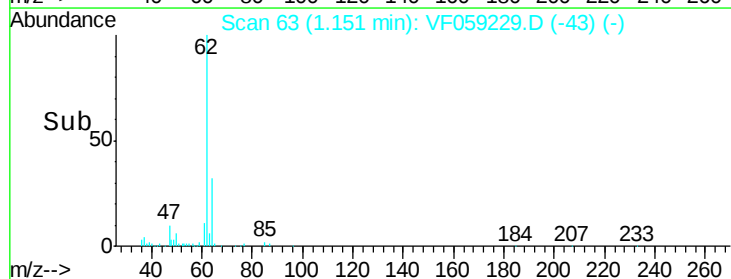
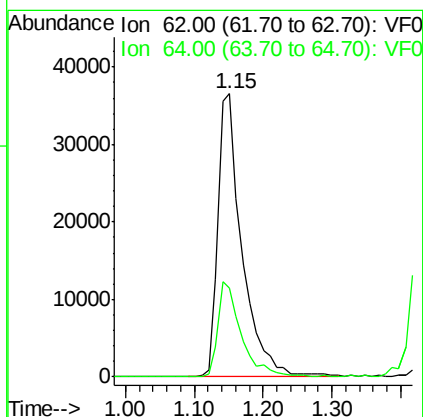
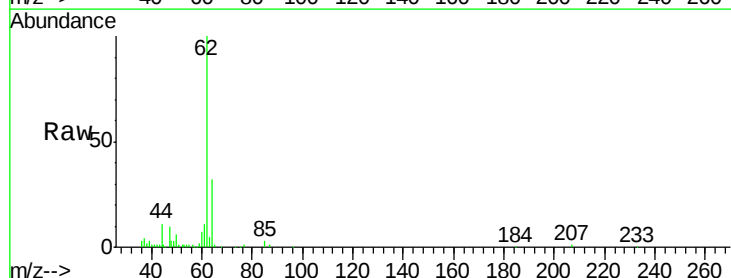
Acq: 20 Jun 2018 15:39

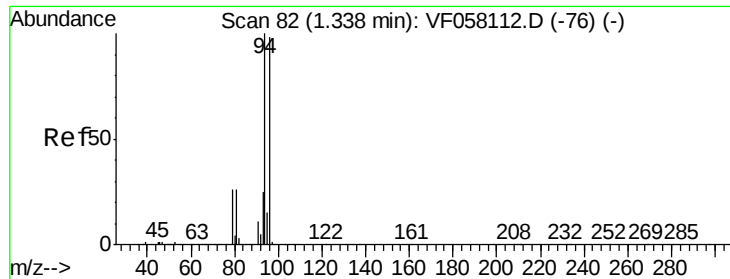
Tgt Ion: 62 Resp: 88638

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 48.90 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 56569

Ion Ratio Lower Upper

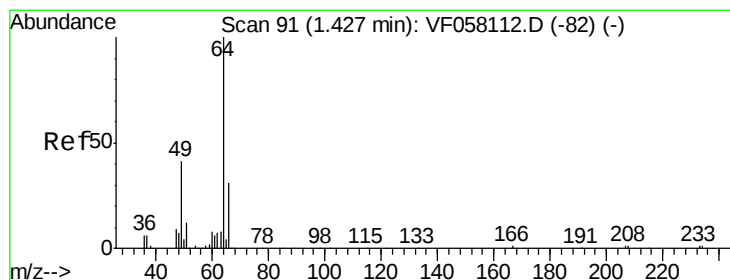
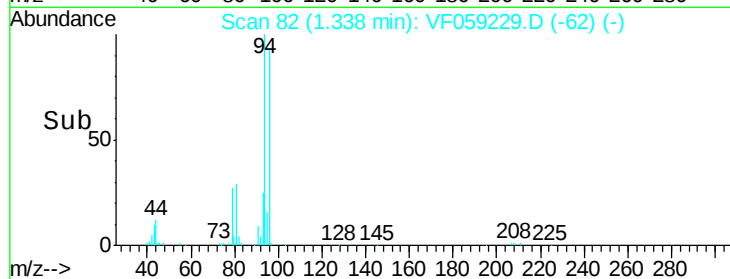
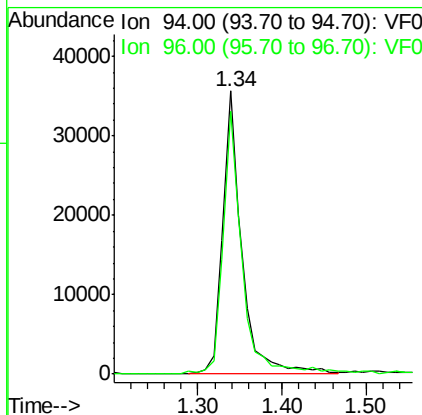
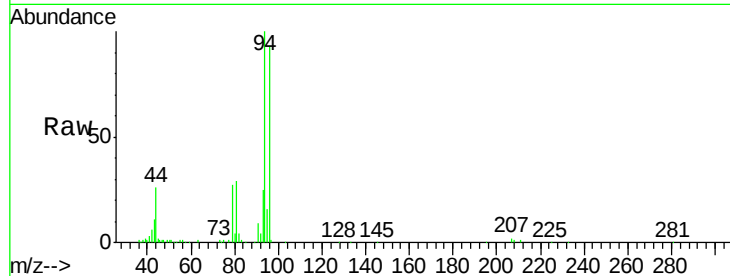
94 100

96 93.0 78.6 117.8

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#6

Chloroethane

Concen: 52.11 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059229.D

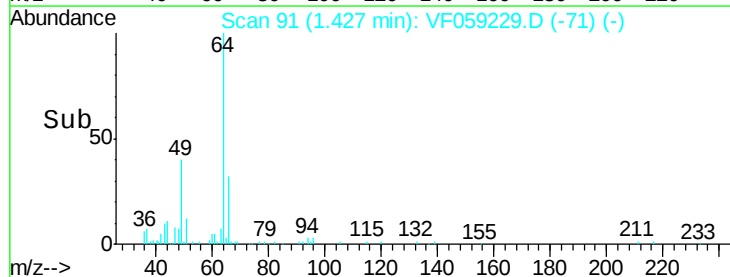
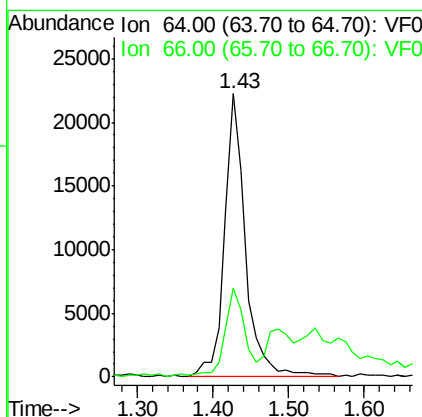
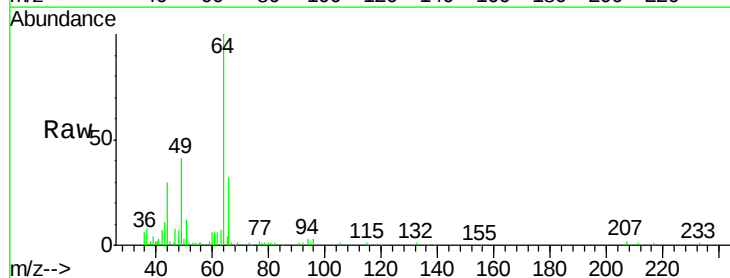
Acq: 20 Jun 2018 15:39

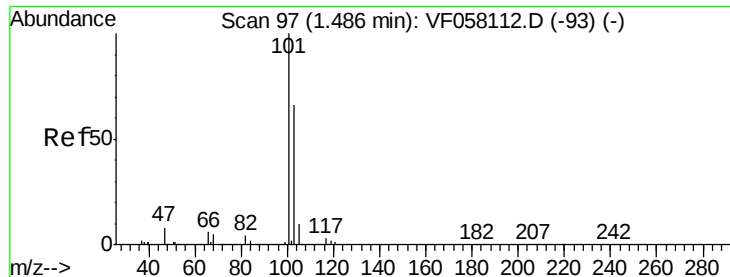
Tgt Ion: 64 Resp: 42930

Ion Ratio Lower Upper

64 100

66 31.5 24.9 37.3





#7

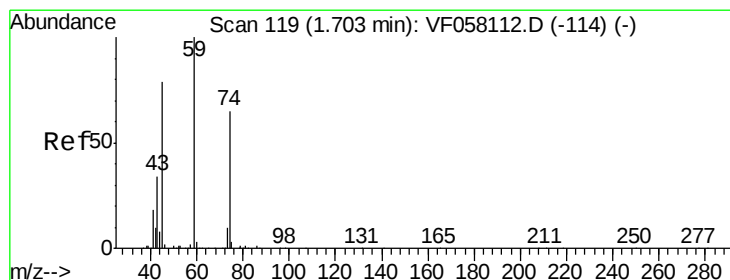
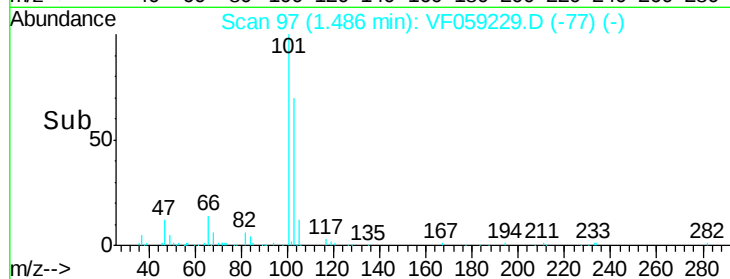
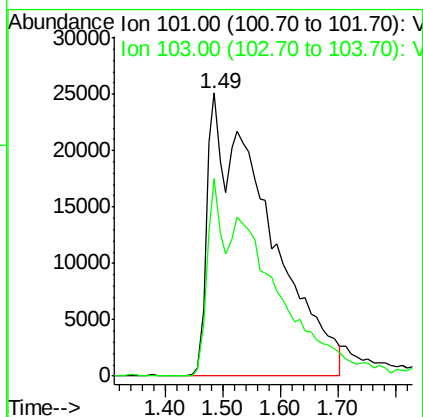
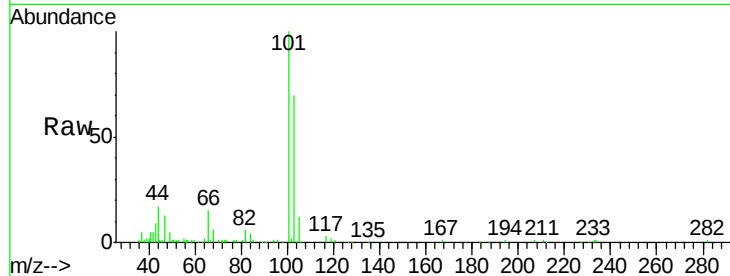
Trichlorofluoromethane
Concen: 58.94 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		181901		
103	69.7	53.4	80.2		

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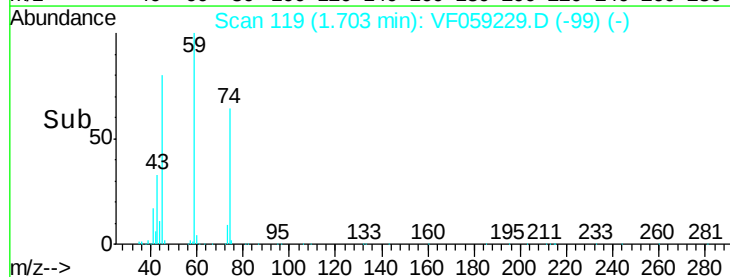
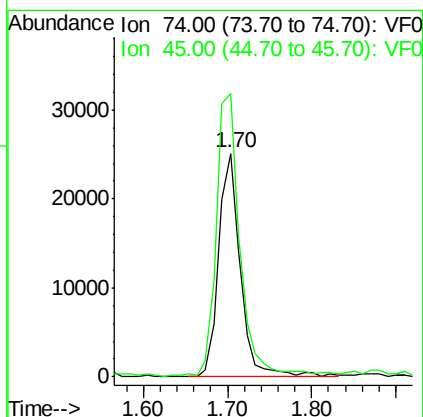
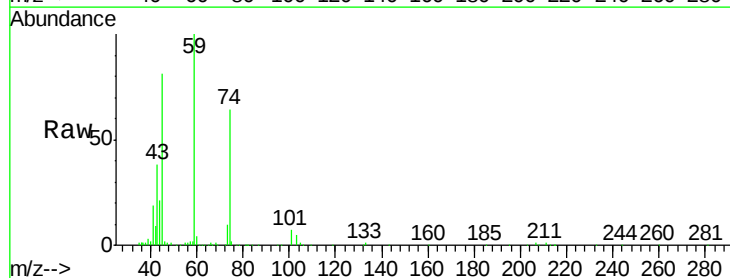
apatel
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#8

Diethyl Ether
Concen: 58.74 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45609		
45	126.6	61.5	184.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.75 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

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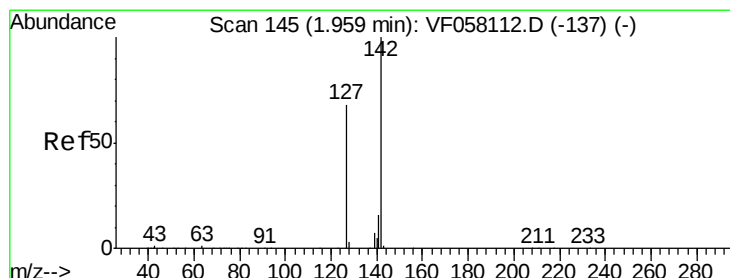
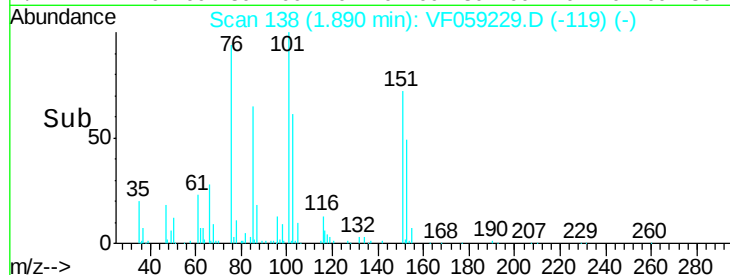
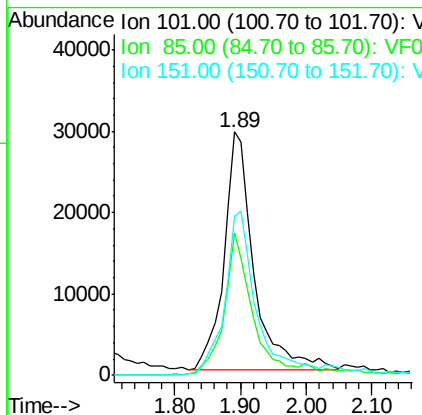
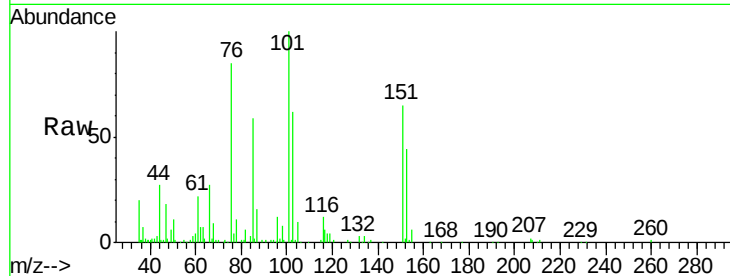
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91966
Ion Ratio	Lower	Upper	
101	100		
85	58.7	42.2	63.4
151	65.1	56.8	85.2

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#10

Methyl Iodide

Concen: 52.30 ug/l

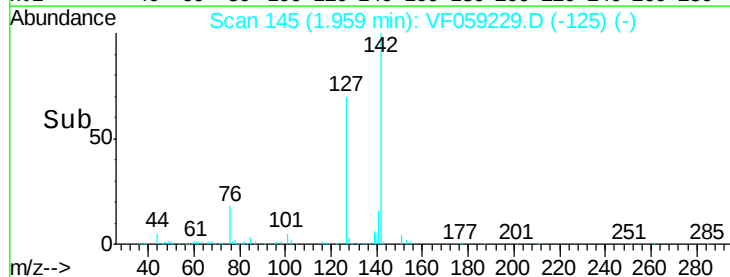
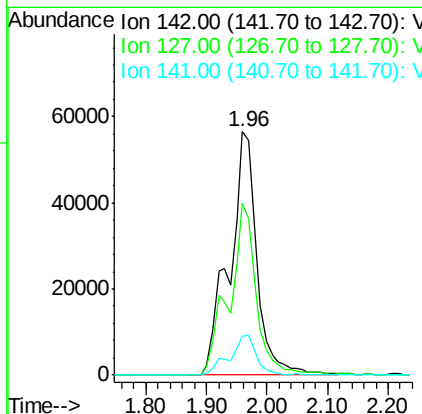
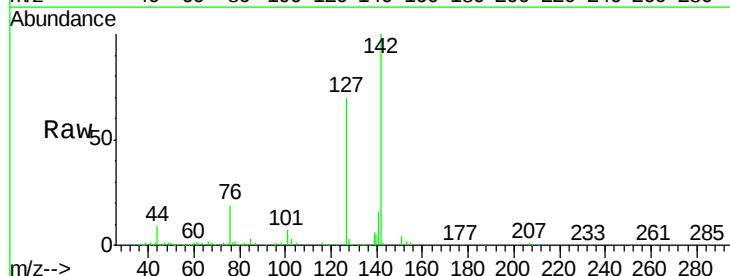
RT: 1.96 min Scan# 145

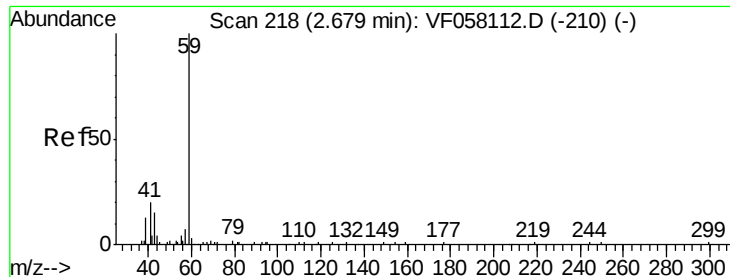
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	142	Resp:	180004
Ion Ratio	Lower	Upper	
142	100		
127	70.5	54.1	81.1
141	16.2	13.0	19.4





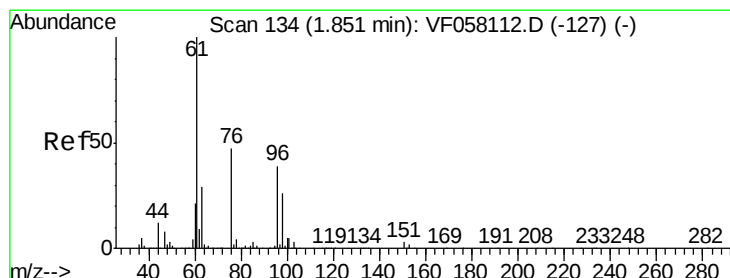
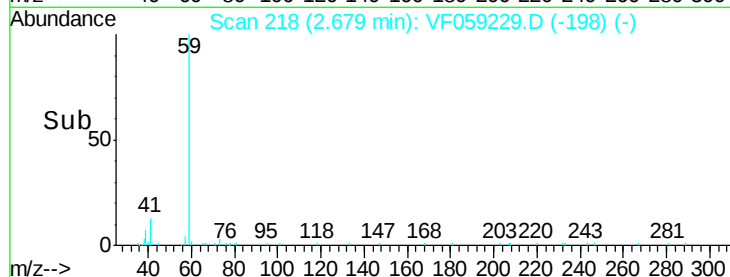
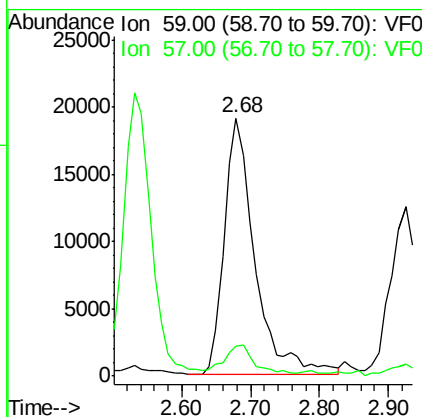
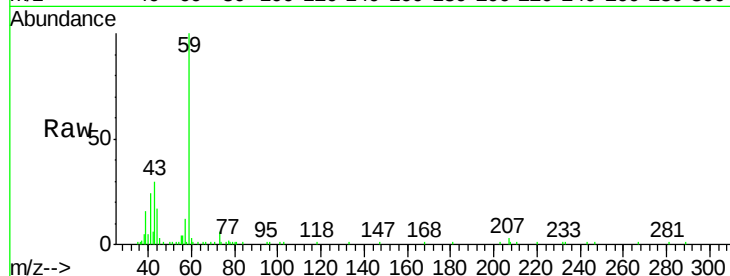
#11
Tert butyl alcohol
Concen: 301.22 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.7	13.1

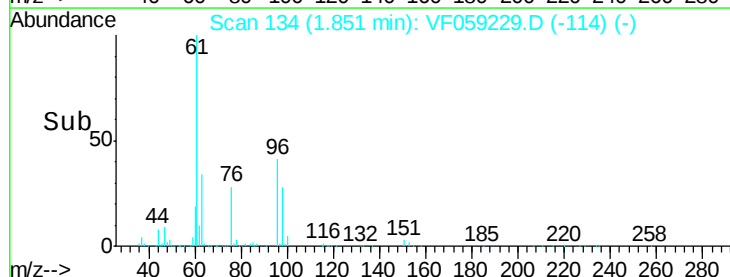
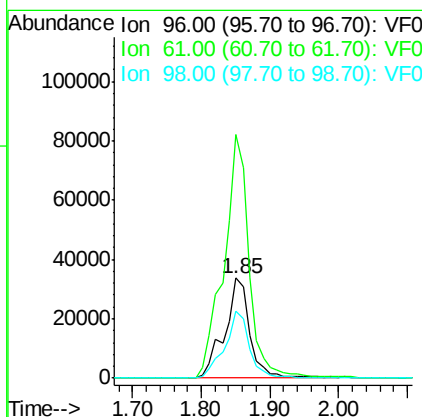
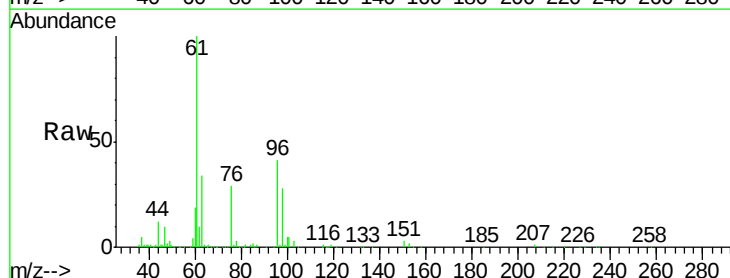
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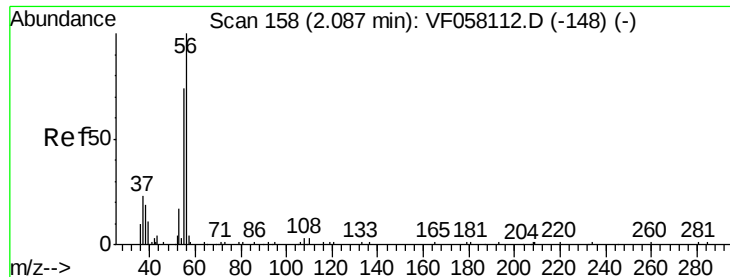
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#12
1,1-Dichloroethene
Concen: 52.37 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	244.0	203.0	304.4
98	67.5	52.7	79.1





#13

Acrolein

Concen: 244.31 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41250

Ion Ratio Lower Upper

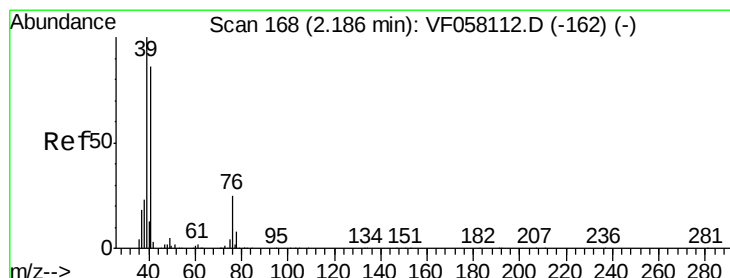
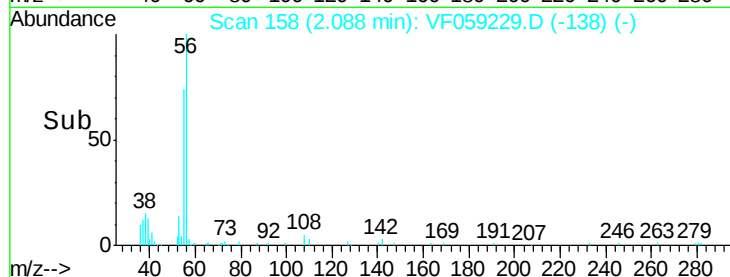
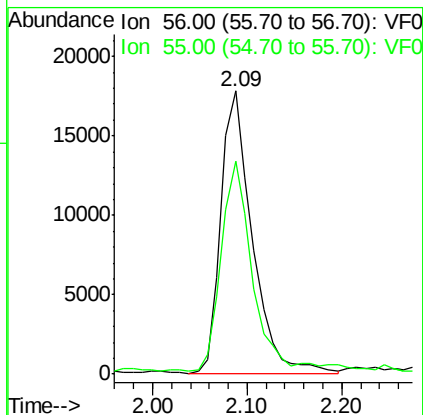
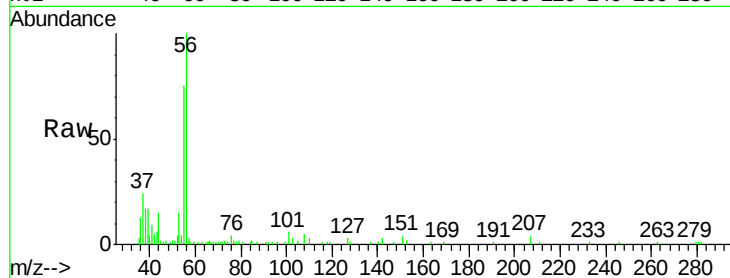
56 100

55 75.2 60.0 90.0

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#14

Allyl chloride

Concen: 51.04 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

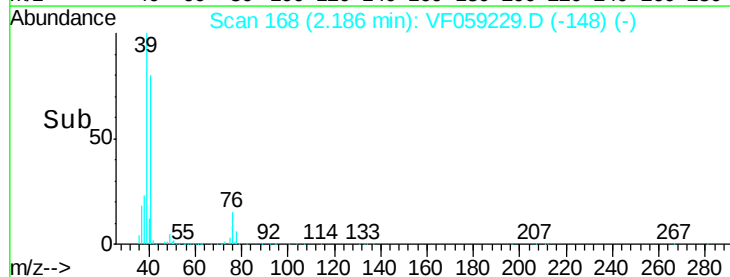
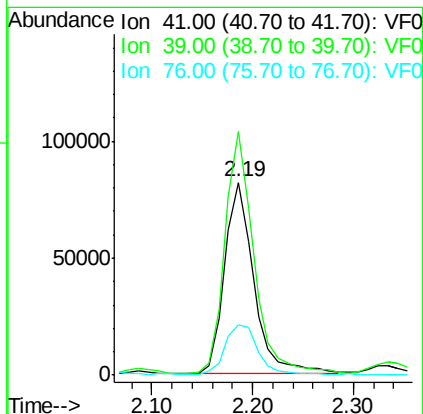
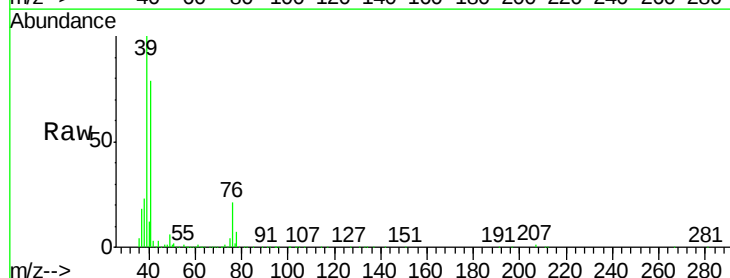
Tgt Ion: 41 Resp: 165690

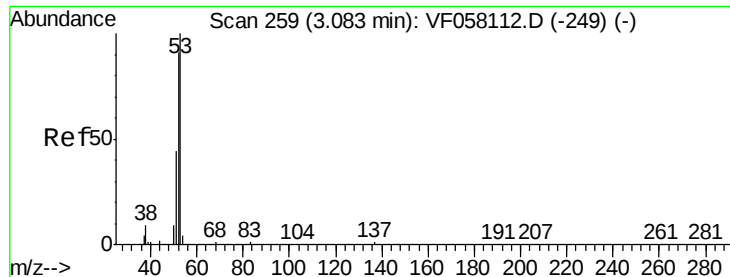
Ion Ratio Lower Upper

41 100

39 126.1 93.5 140.3

76 26.4 23.9 35.9





#15

Acrylonitrile

Concen: 259.09 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

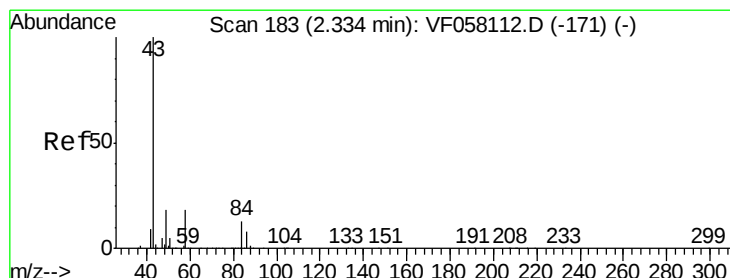
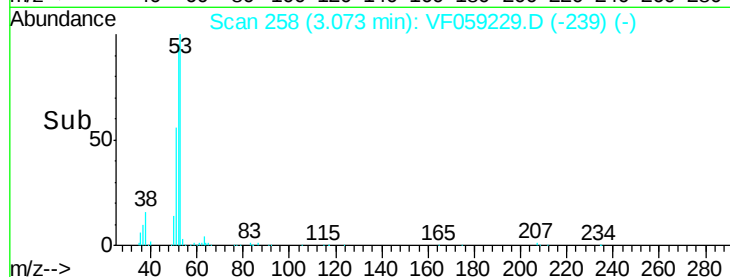
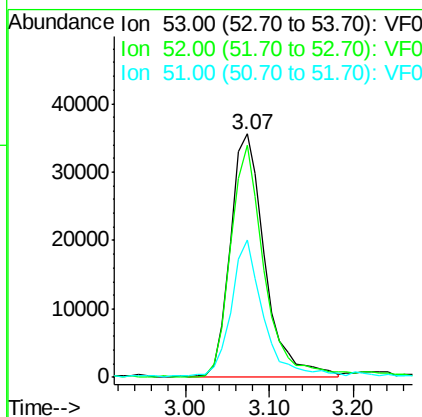
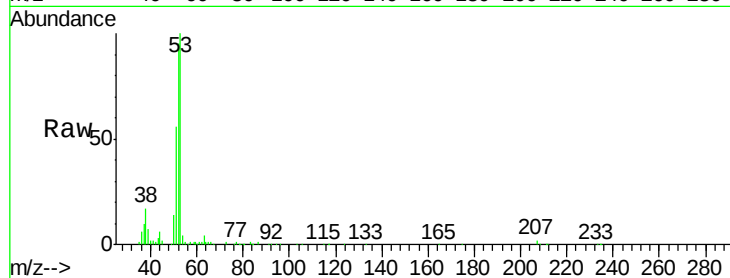
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	100376
Ion Ratio		Lower	Upper
53	100		
52	95.3	73.2	109.8
51	56.3	35.6	53.4#

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#16

Acetone

Concen: 350.81 ug/l m

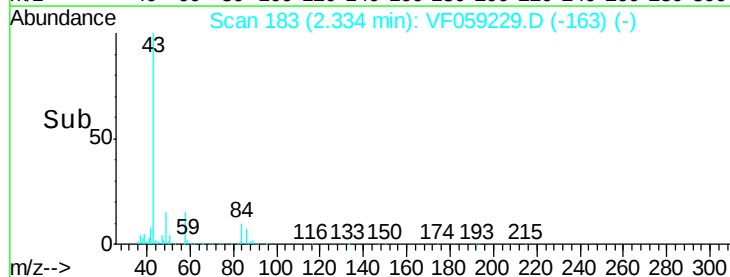
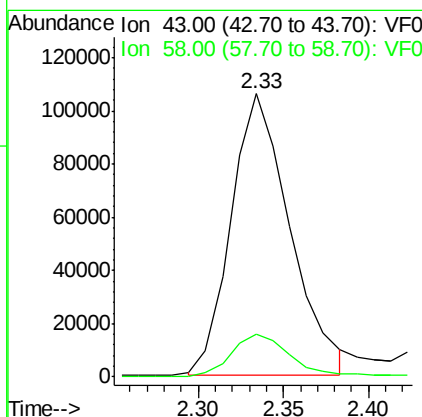
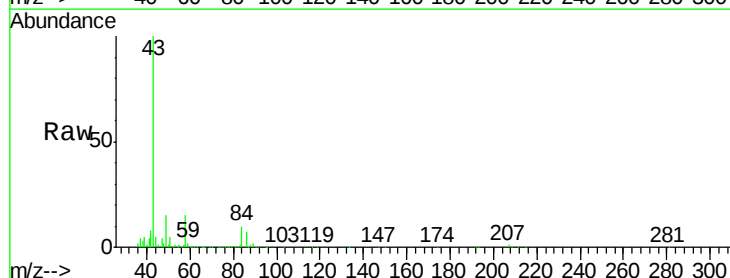
RT: 2.33 min Scan# 183

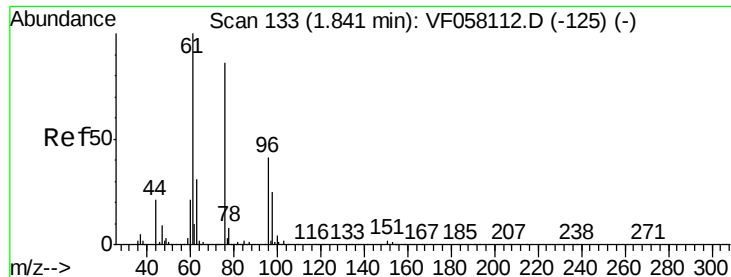
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	43	Resp:	255005
Ion Ratio		Lower	Upper
43	100		
58	15.1	14.4	21.6





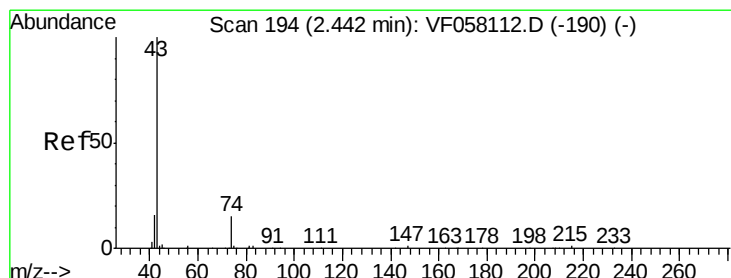
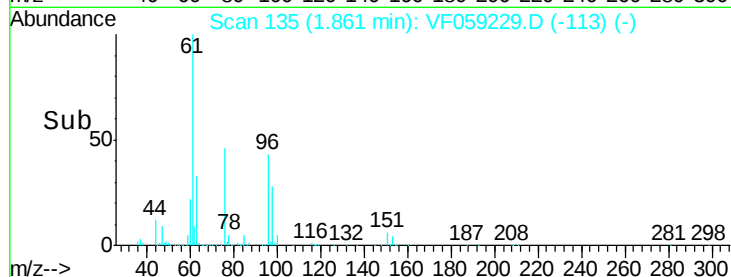
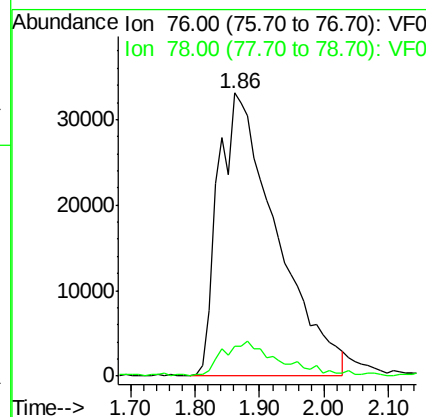
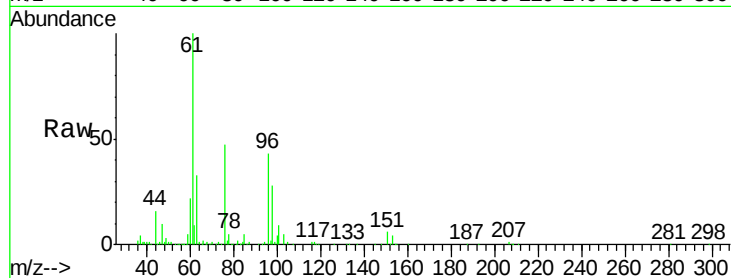
#17
Carbon Disulfide
Concen: 45.03 ug/l m
RT: 1.86 min Scan# 135
Delta R.T. 0.02 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 209107
Ion Ratio Lower Upper
76 100
78 10.7 7.8 11.8

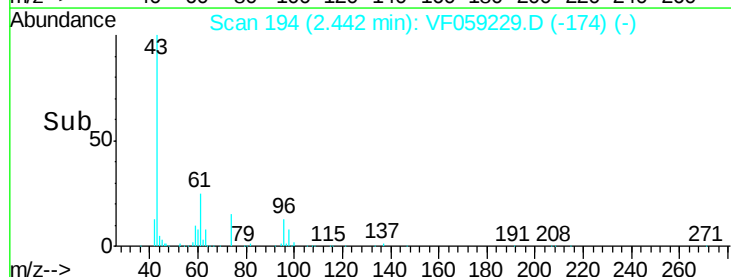
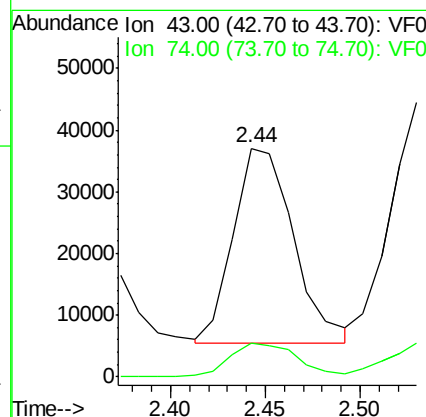
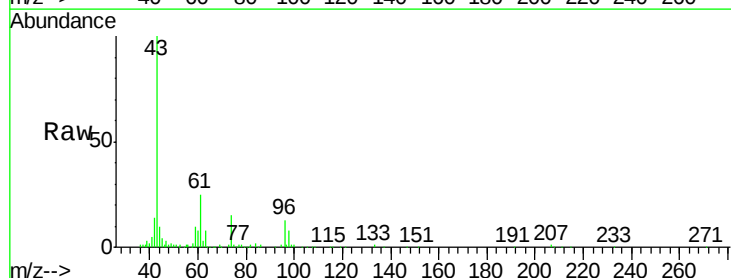
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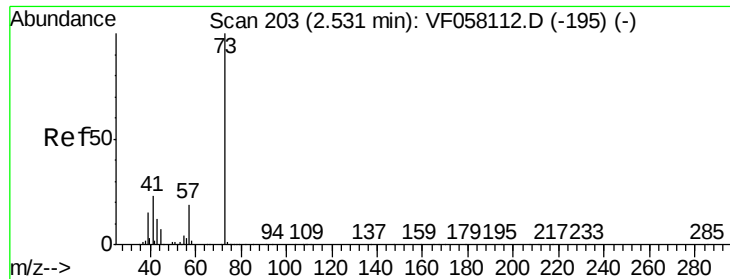
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#18
Methyl Acetate
Concen: 55.90 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion: 43 Resp: 69853
Ion Ratio Lower Upper
43 100
74 14.5 10.9 16.3





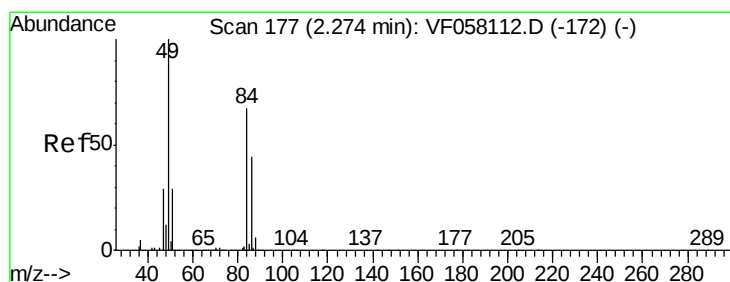
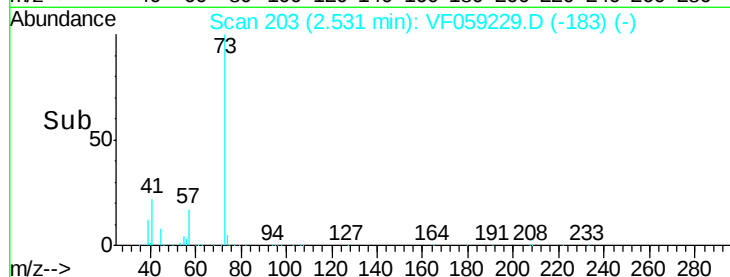
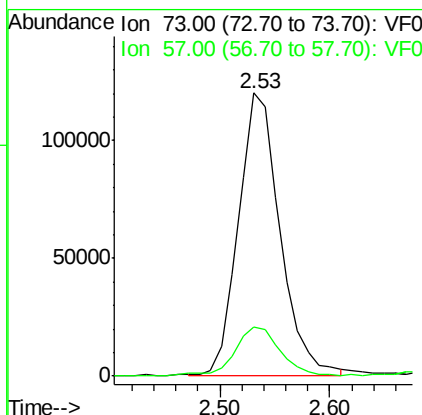
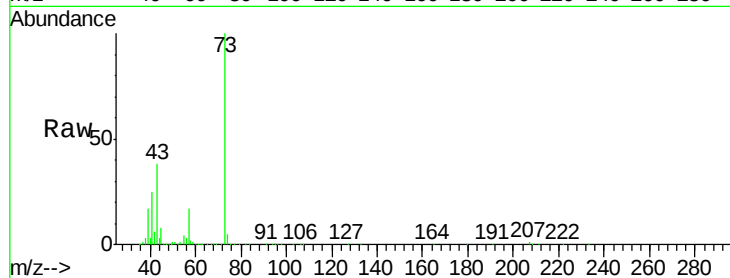
#19
Methyl tert-butyl Ether
Concen: 61.27 ug/l m
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	15.0	22.4

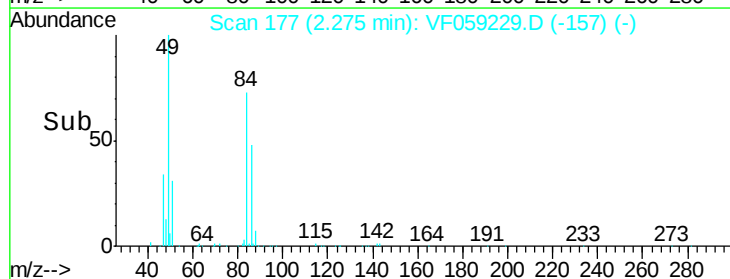
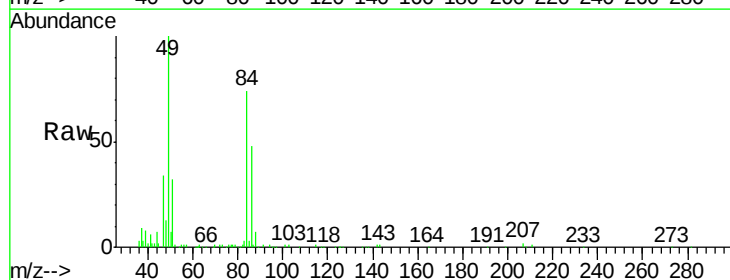
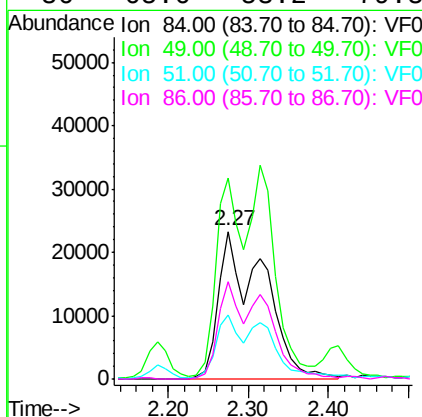
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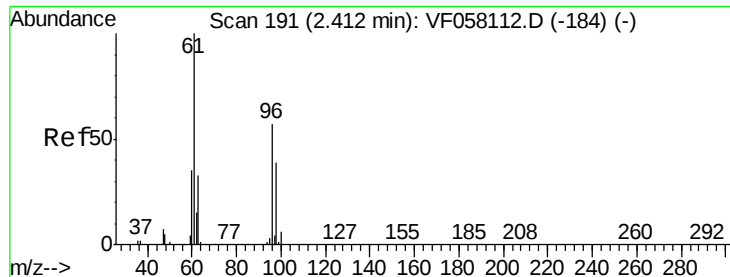
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#20
Methylene Chloride
Concen: 52.75 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	121.0	181.4
51	43.0	35.8	53.6
86	65.6	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 50.41 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

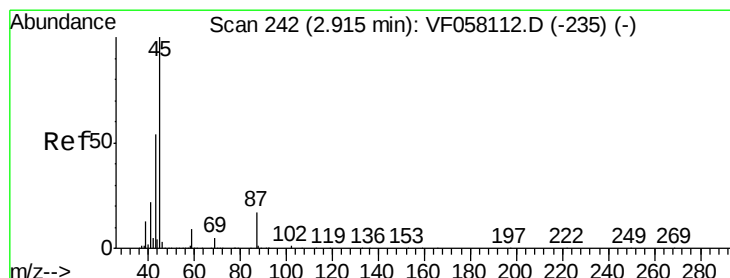
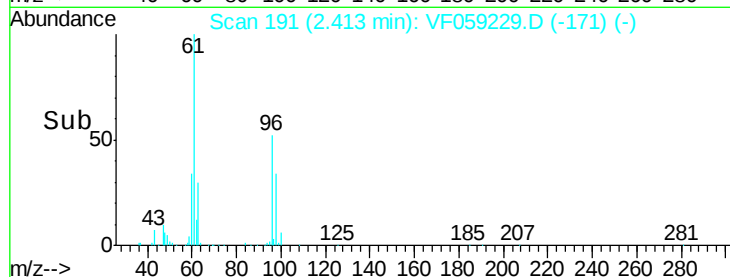
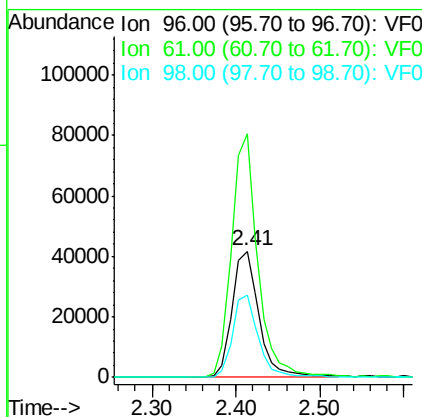
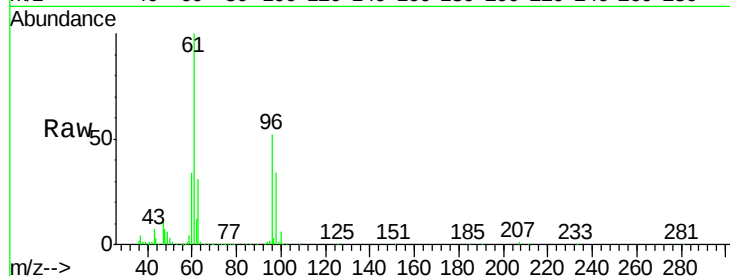
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91452
Ion	Ratio	Lower	Upper
96	100		
61	192.5	139.4	209.2
98	65.1	54.0	81.0

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#22

Diisopropyl ether

Concen: 55.00 ug/l

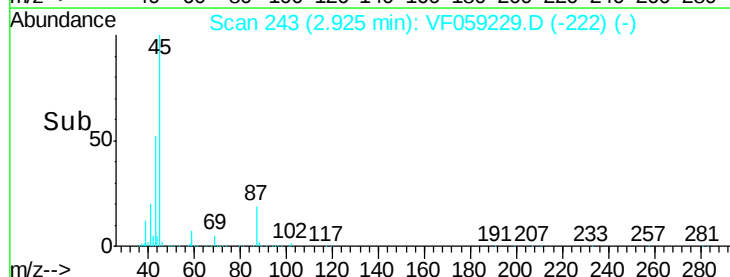
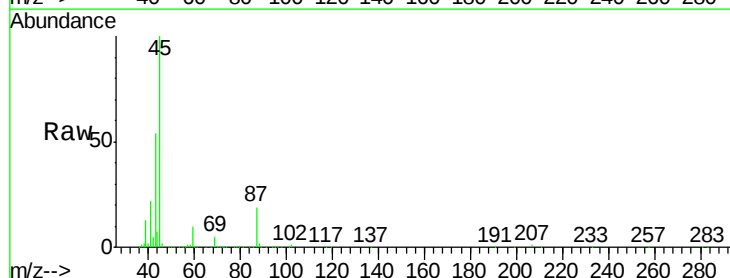
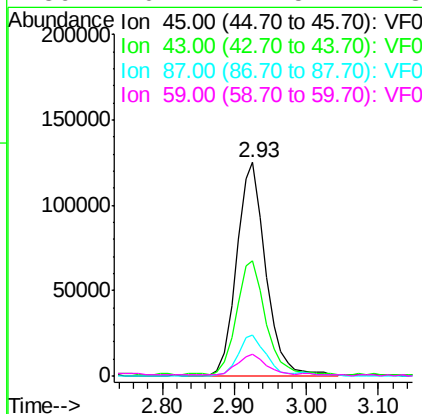
RT: 2.93 min Scan# 243

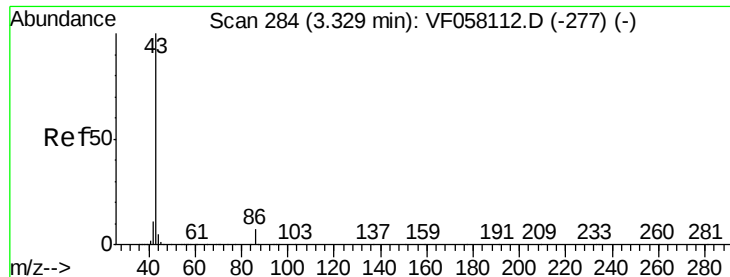
Delta R.T. 0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	45	Resp:	350968
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.2	64.8
87	19.3	13.8	20.6
59	10.1	7.5	11.3





#23

Vinyl Acetate

Concen: 306.89 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1291325

Ion Ratio Lower Upper

43 100

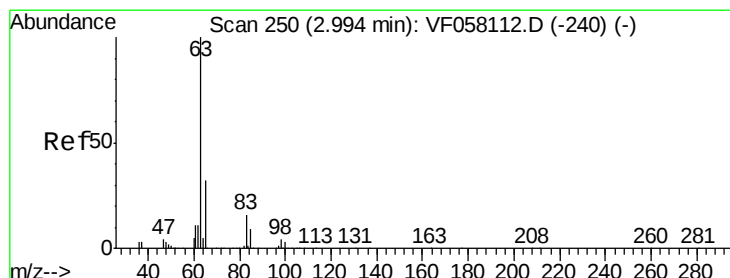
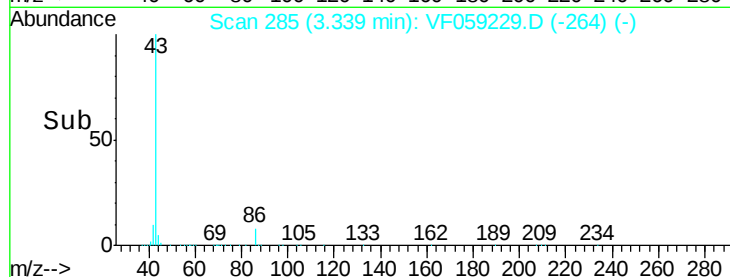
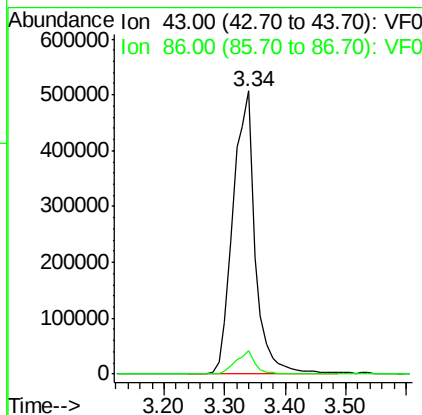
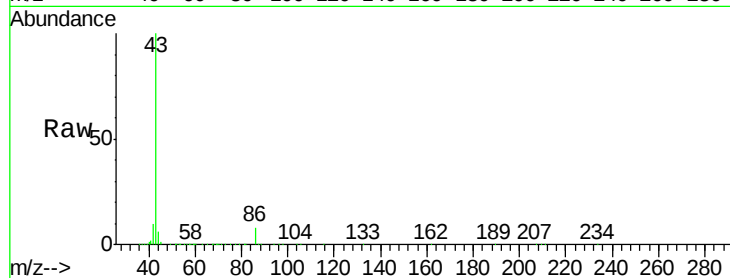
86 8.3 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 55.61 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

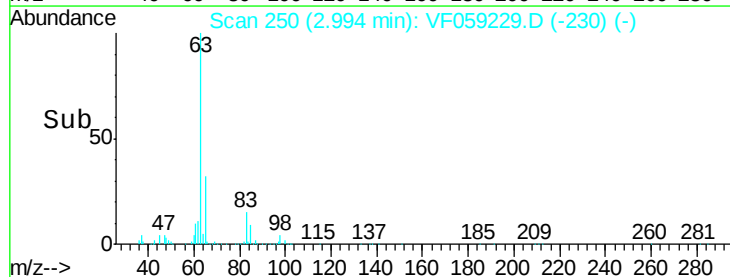
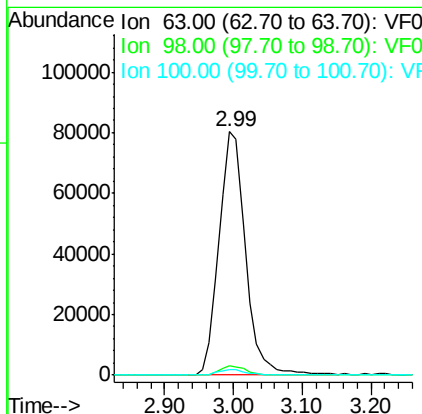
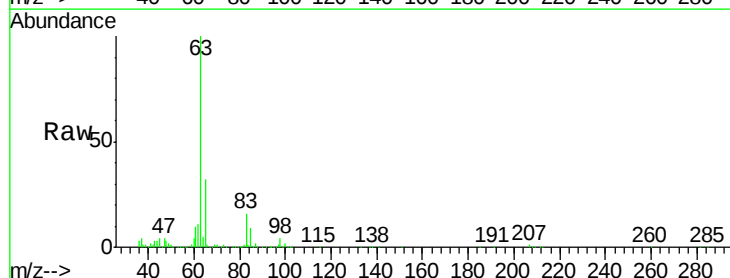
Tgt Ion: 63 Resp: 215159

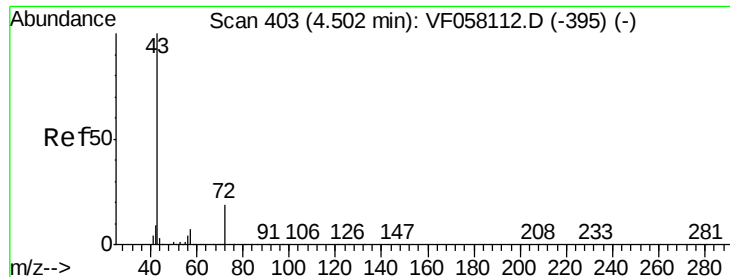
Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

100 2.4 1.4 4.0





#25

2-Butanone

Concen: 284.16 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tot Ion: 43 Resp: 320226

Ion Ratio Lower Upper

43 100

72 19.8 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

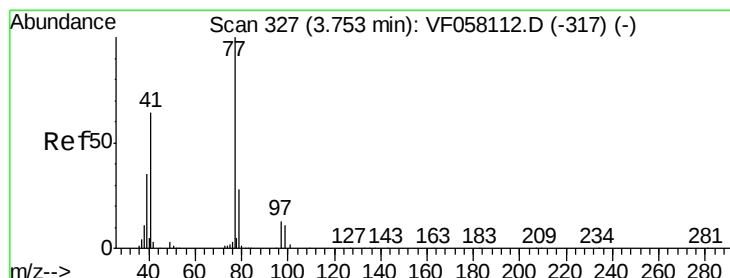
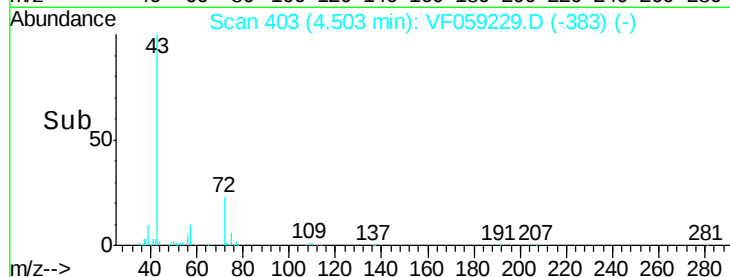
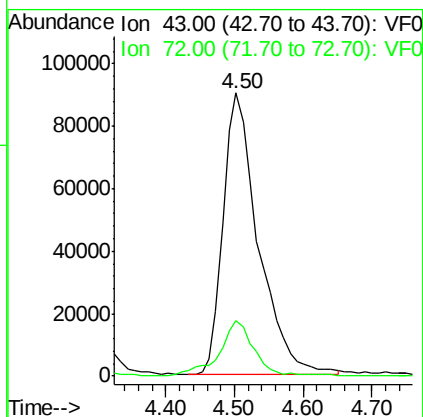
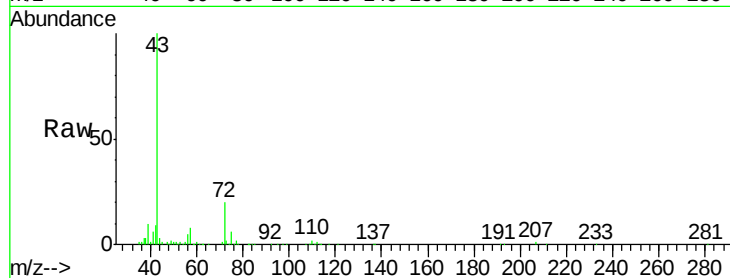
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#26

2,2-Dichloropropane

Concen: 52.79 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059229.D

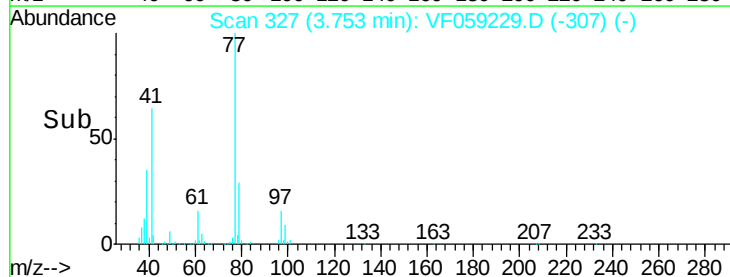
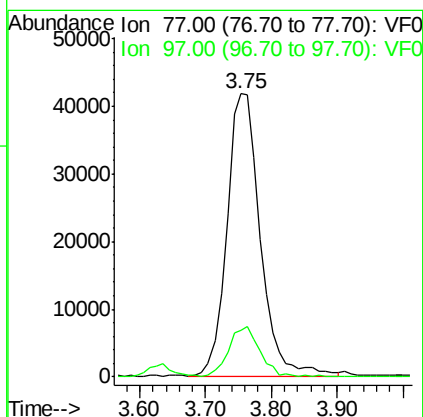
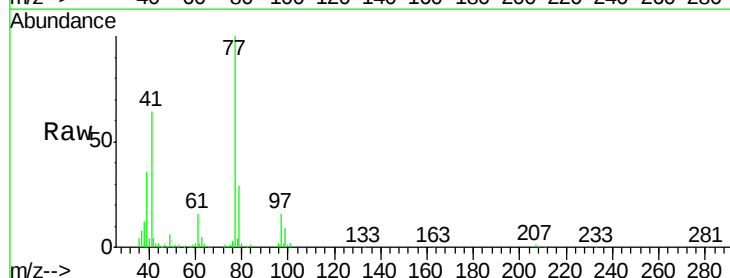
Acq: 20 Jun 2018 15:39

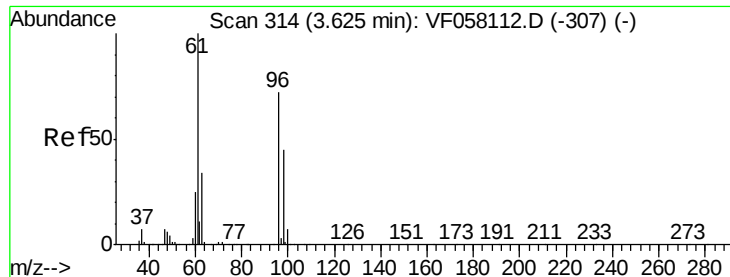
Tgt Ion: 77 Resp: 148166

Ion Ratio Lower Upper

77 100

97 16.3 7.2 21.6





#27

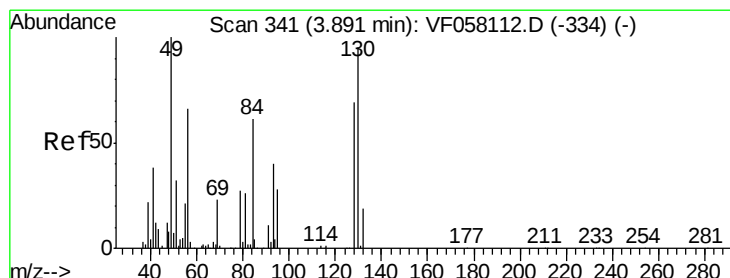
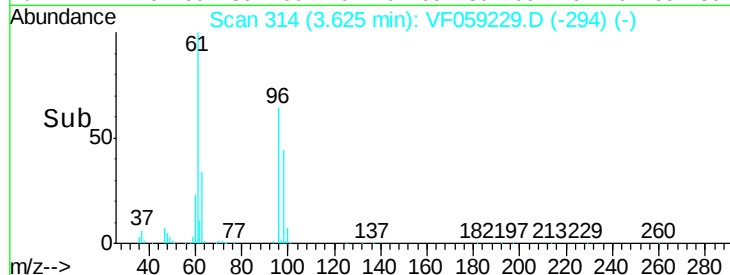
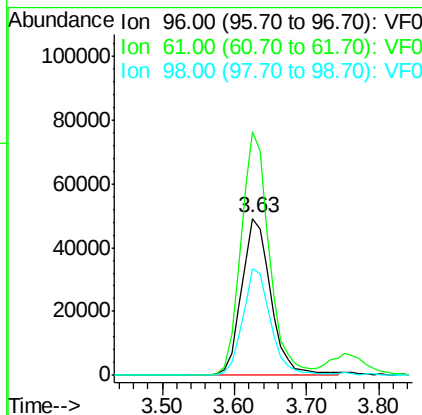
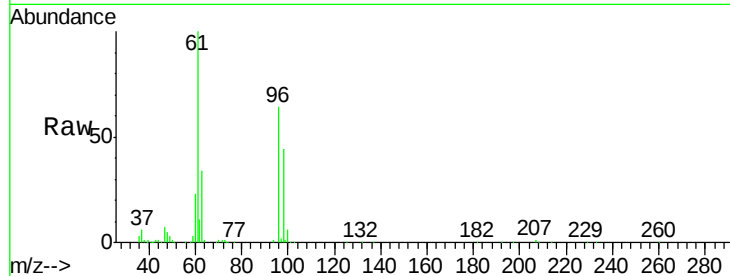
cis-1,2-Dichloroethene
Concen: 50.01 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139629		
61	155.5	0.0	278.6	
98	68.0	0.0	125.2	

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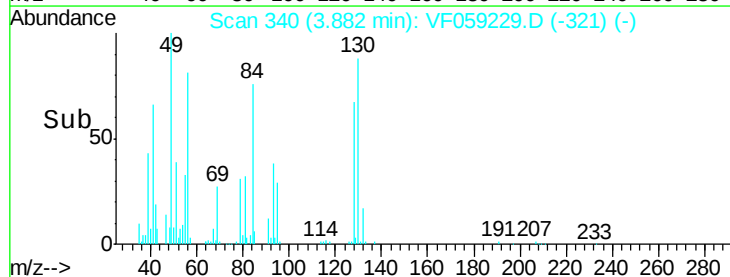
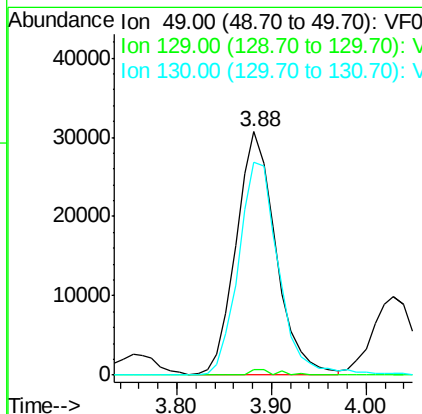
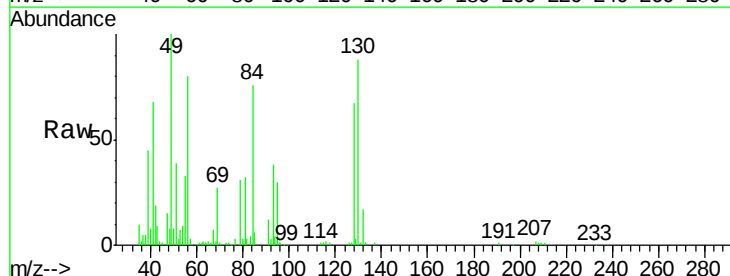
apatel
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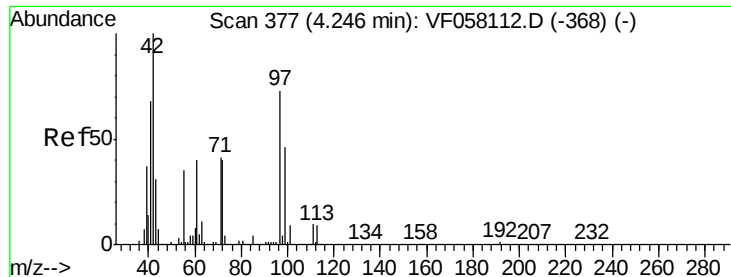


#28

Bromochloromethane
Concen: 51.57 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89813		
129	2.5	0.0	0.0#	
130	87.7	75.8	113.8	





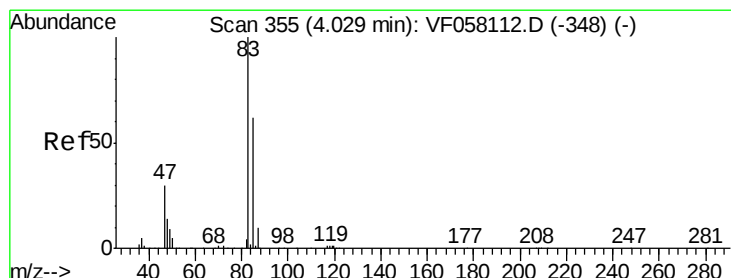
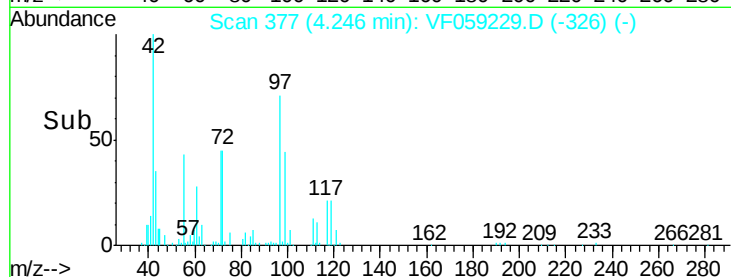
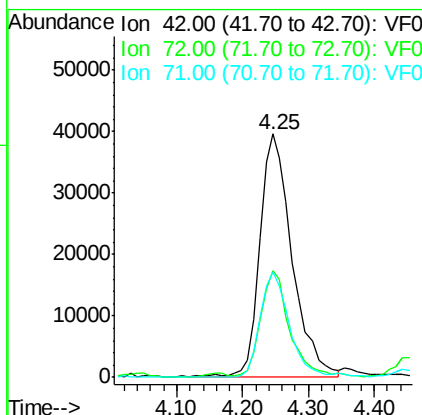
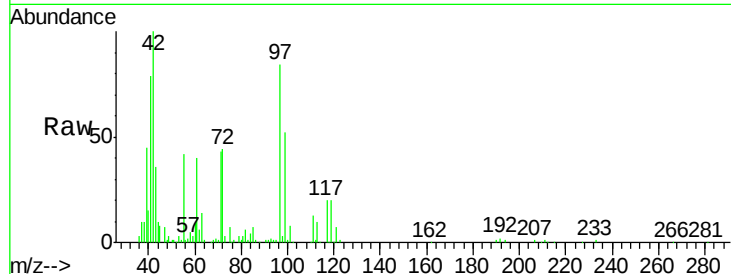
#29
Tetrahydrofuran
Concen: 269.64 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	30.5	45.7
71	39.6	31.5	47.3

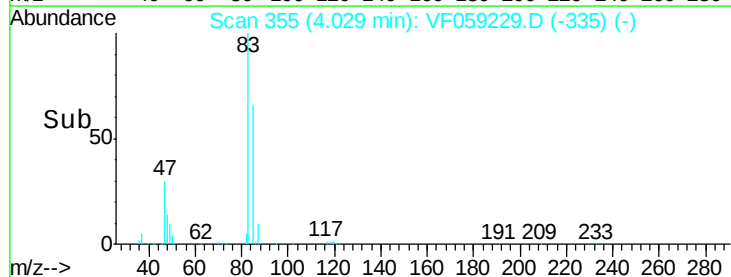
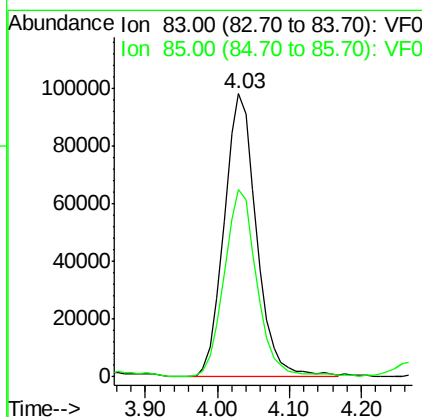
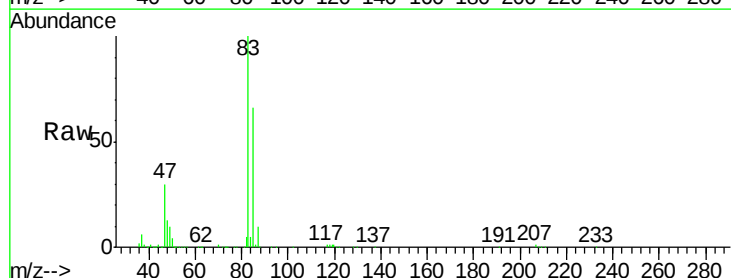
Manual Integrations
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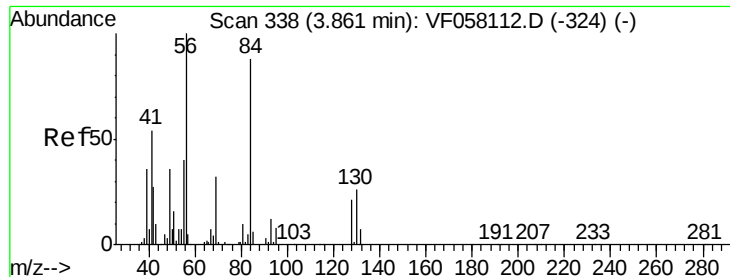
apatel
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#30
Chloroform
Concen: 55.00 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.5	74.3





#31

Cyclohexane

Concen: 43.48 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

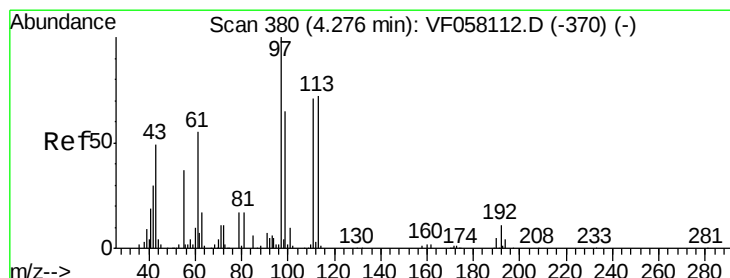
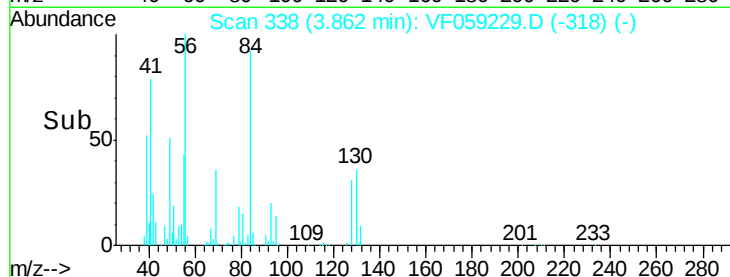
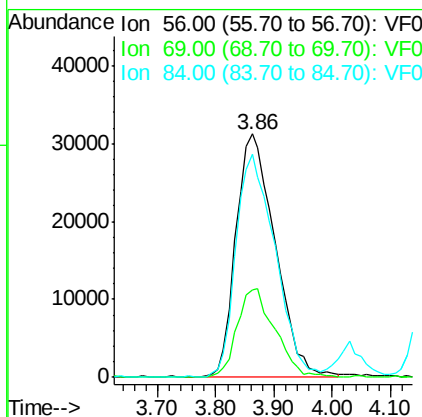
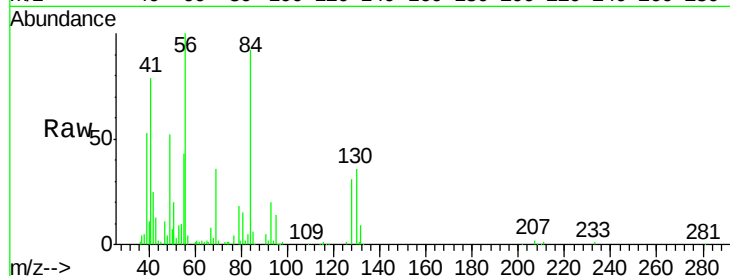
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	146955
Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.9	38.9
84	91.8	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 52.20 ug/l

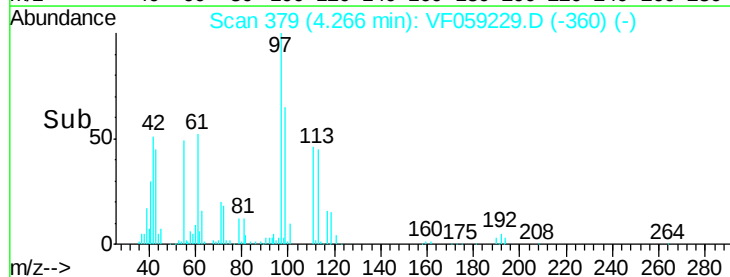
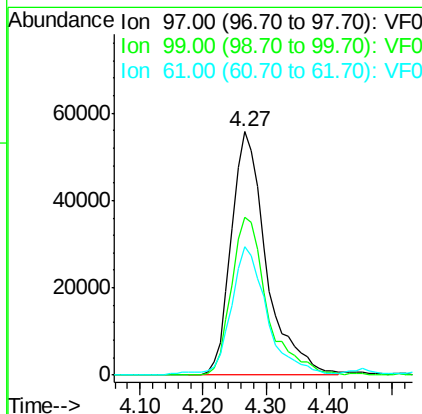
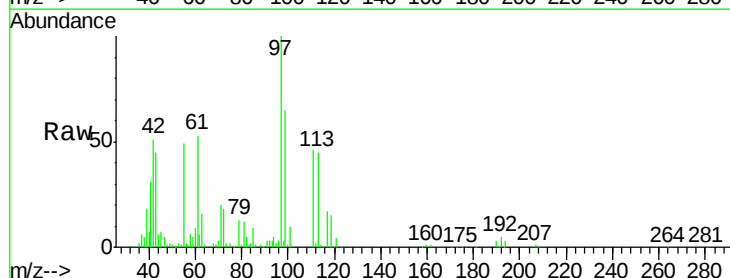
RT: 4.27 min Scan# 379

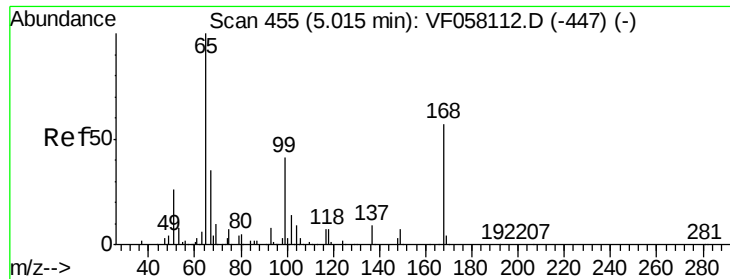
Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	97	Resp:	215687
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	52.7	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 58.28 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tot Ion: 65 Resp: 177422

Ion Ratio Lower Upper

65 100

67 49.4 0.0 97.0

Instrument :

MSVOA_F

ClientSampleId :

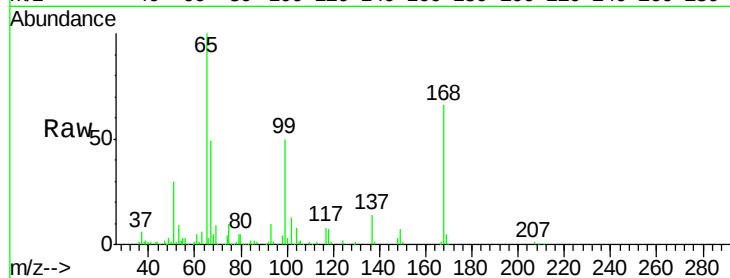
VSTDCCC050

Manual Integrations

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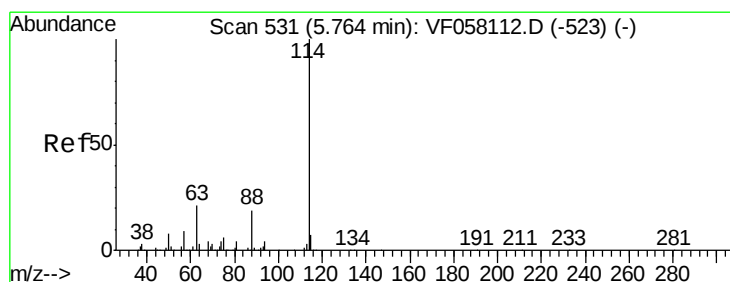
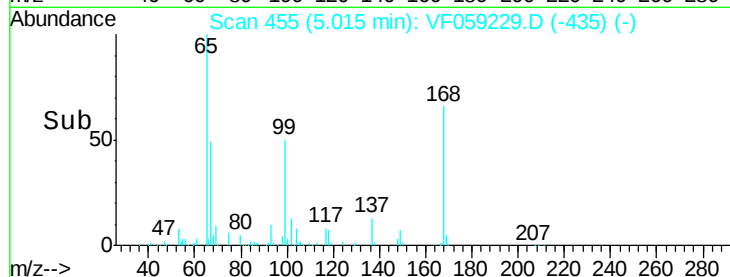
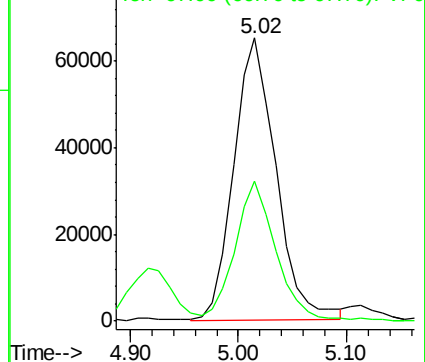
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

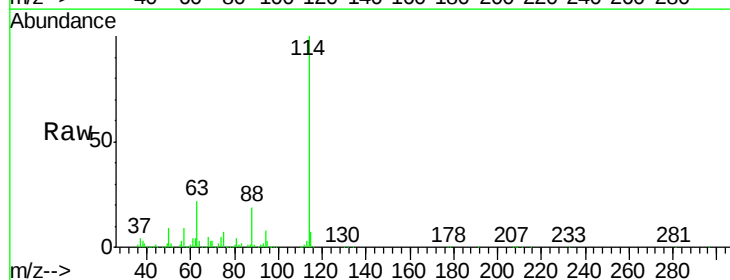
Tgt Ion: 114 Resp: 388085

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

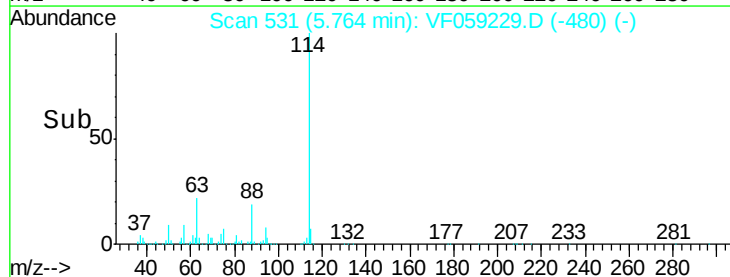
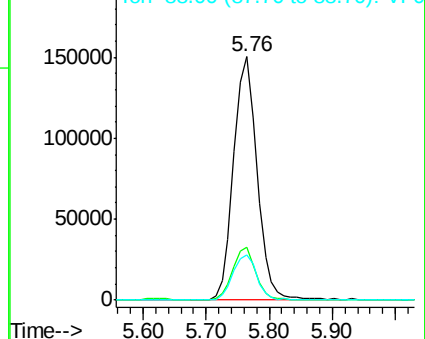
88 18.5 0.0 38.8



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: 55.82 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

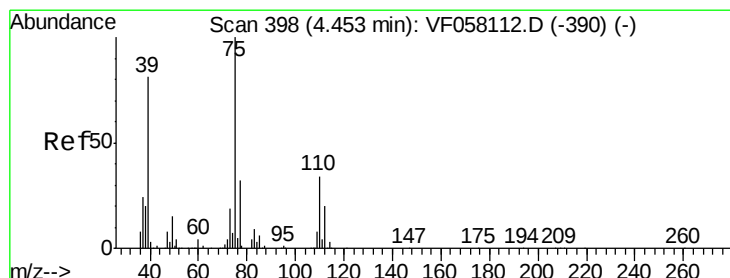
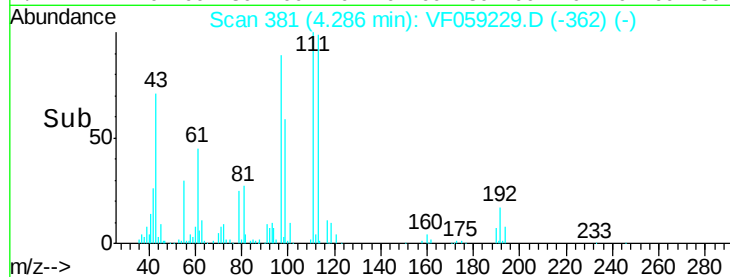
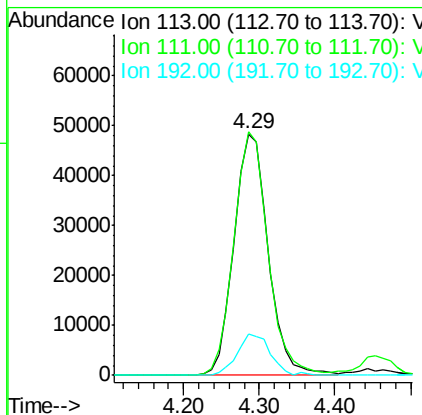
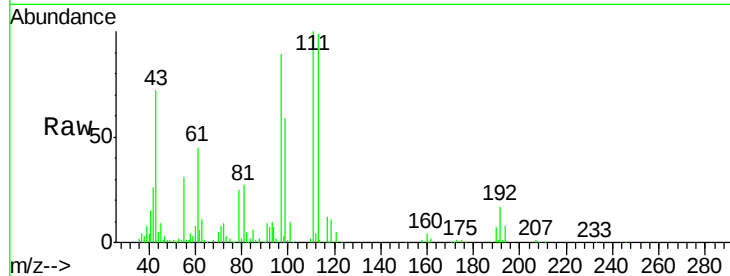
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	152003
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.3	121.9
192	16.9	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 52.67 ug/l

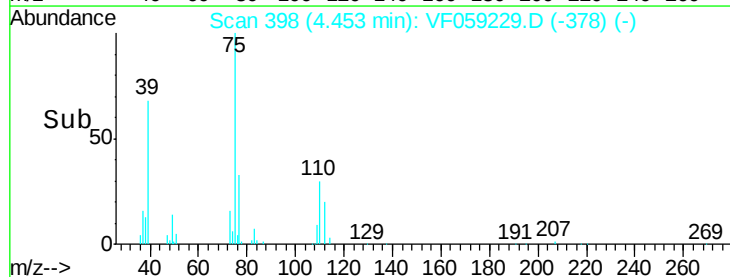
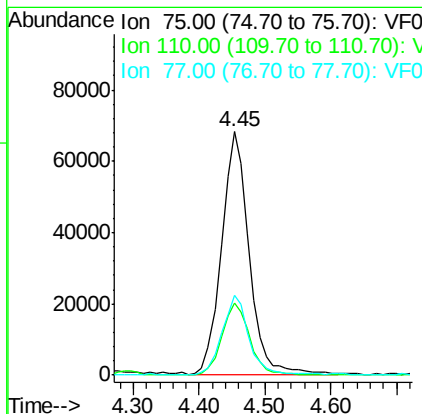
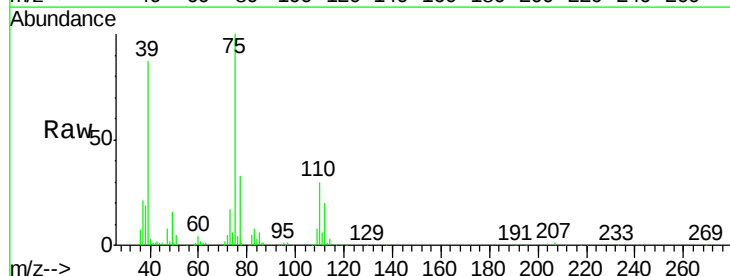
RT: 4.45 min Scan# 398

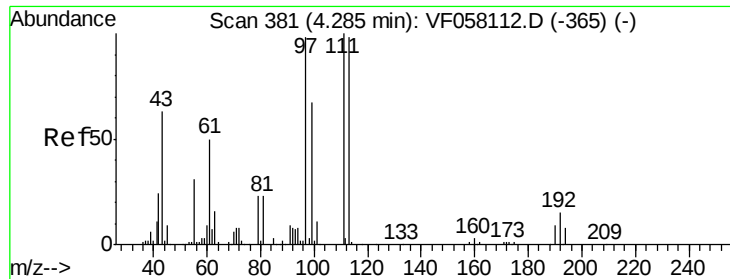
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	75	Resp:	198112
Ion	Ratio	Lower	Upper
75	100		
110	29.6	17.0	50.9
77	32.7	25.3	37.9





#37

Ethyl Acetate

Concen: 59.21 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

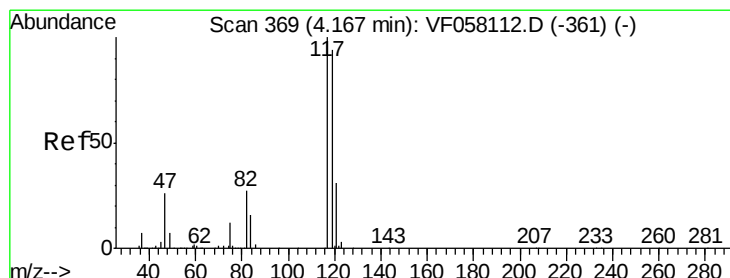
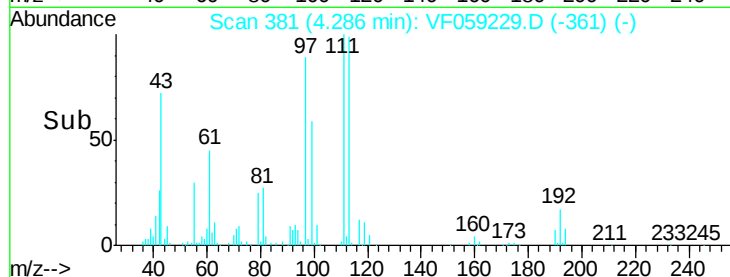
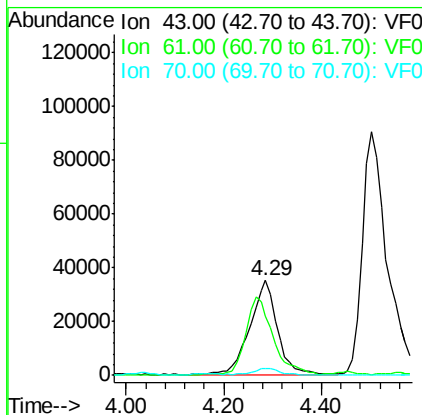
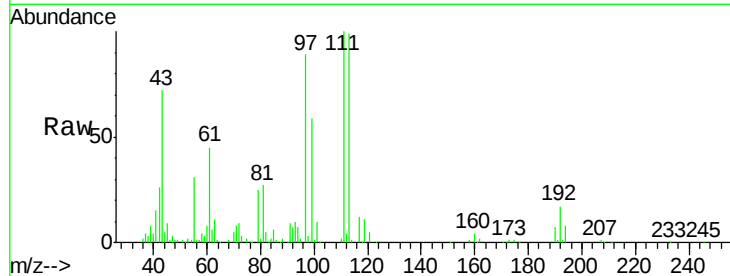
VSTDCCC050

Tot Ion: 43 Resp: 137620

Ion	Ratio	Lower	Upper
43	100		
61	62.7	63.0	94.4#
70	6.6	7.5	11.3#

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#38

Carbon Tetrachloride

Concen: 58.33 ug/l m

RT: 4.16 min Scan# 368

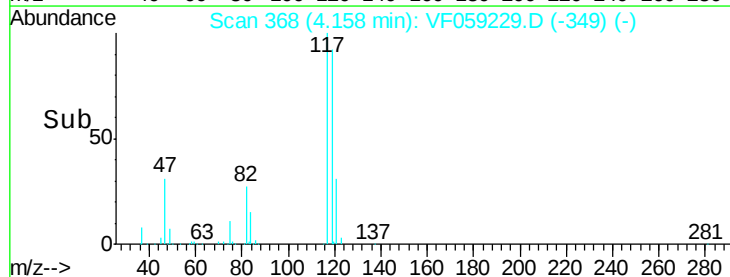
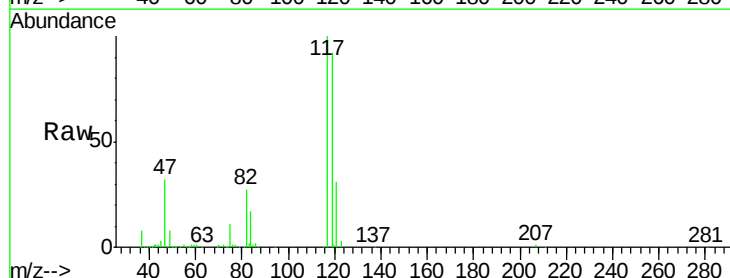
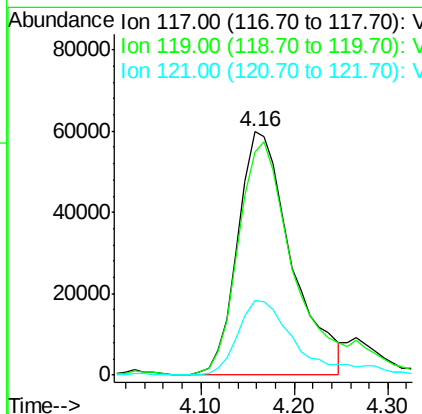
Delta R.T. -0.01 min

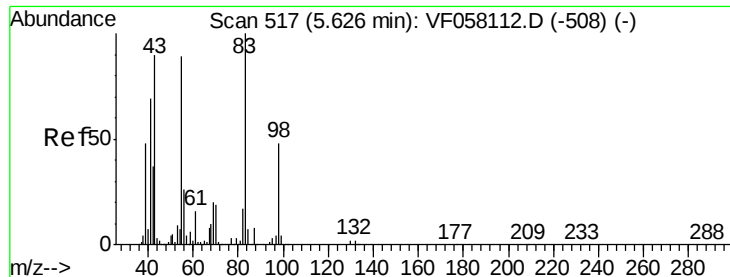
Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion: 117 Resp: 237814

Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.7	113.5
121	30.6	24.8	37.2





#39

Methvlcvclohexane

Concen: 48.29 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

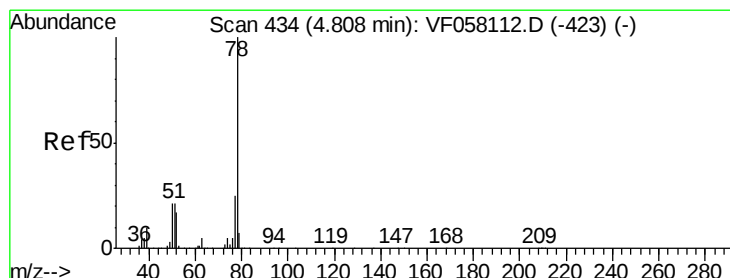
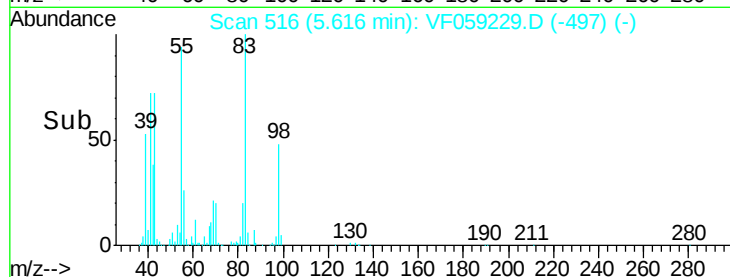
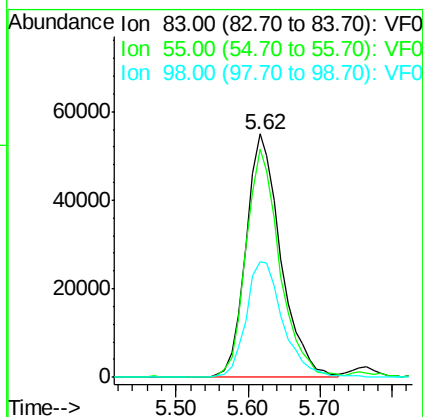
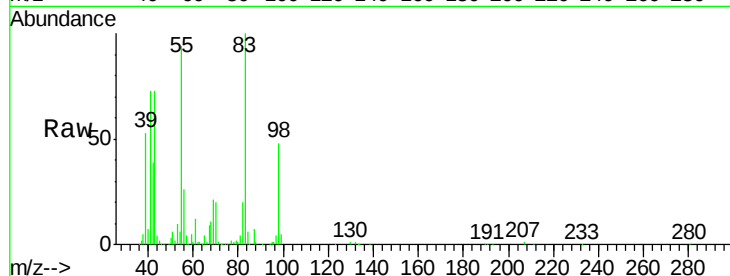
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	185151
Ion Ratio	Lower	Upper	
83	100		
55	93.7	71.0	106.4
98	47.6	38.1	57.1

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#40

Benzene

Concen: 48.94 ug/l

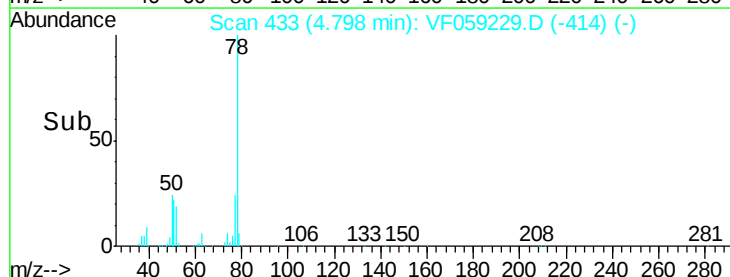
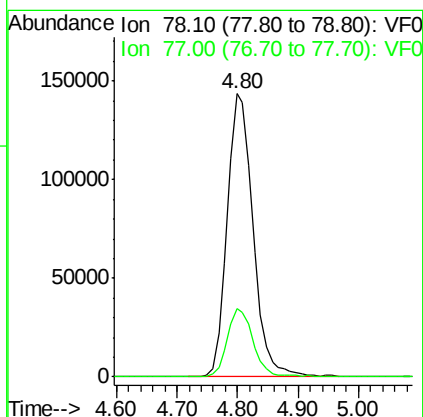
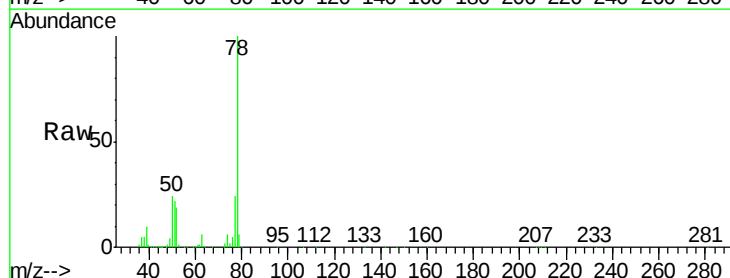
RT: 4.80 min Scan# 433

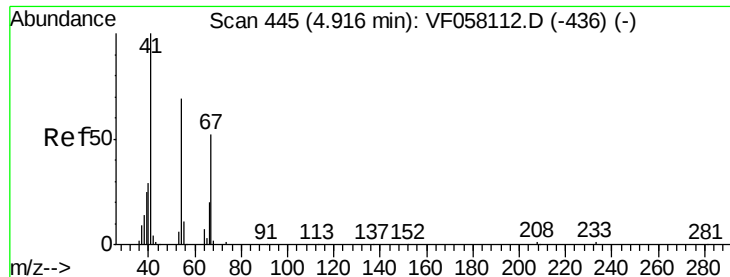
Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	78	Resp:	427328
Ion Ratio	Lower	Upper	
78	100		
77	24.0	20.2	30.2





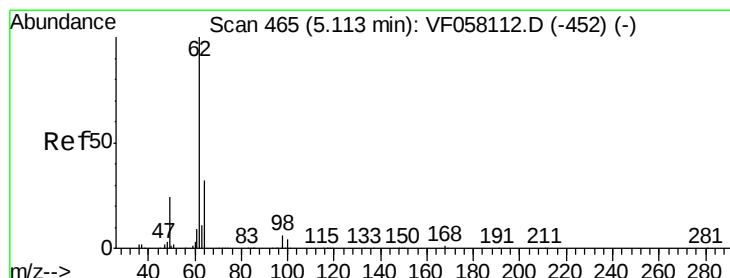
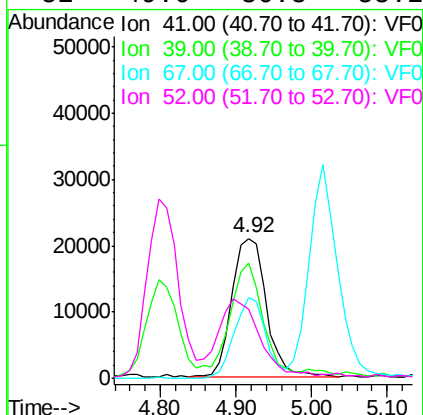
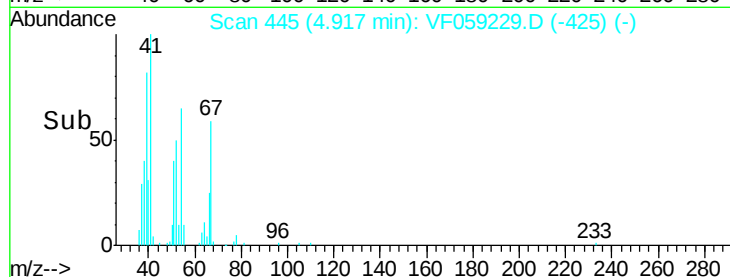
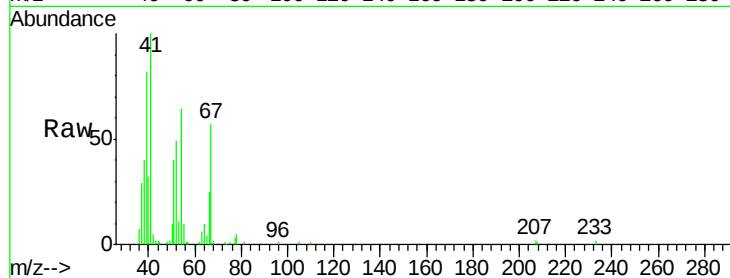
#41
Methacrylonitrile
Concen: 58.13 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.1	53.0	79.4#
67	57.4	41.0	61.6
52	49.0	36.8	55.2

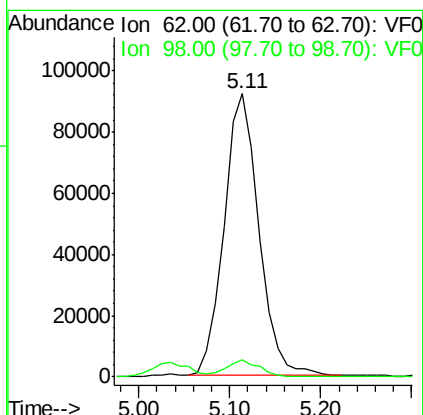
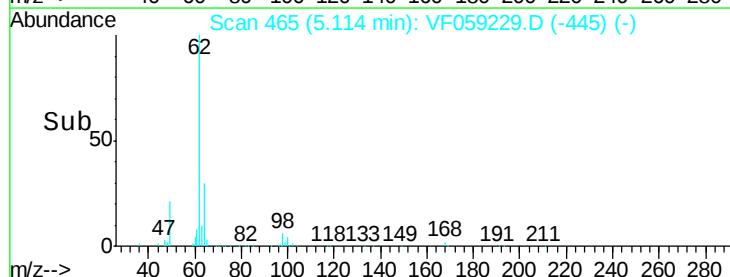
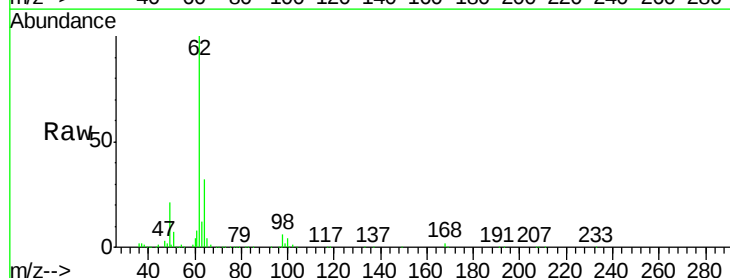
Manual Integrations
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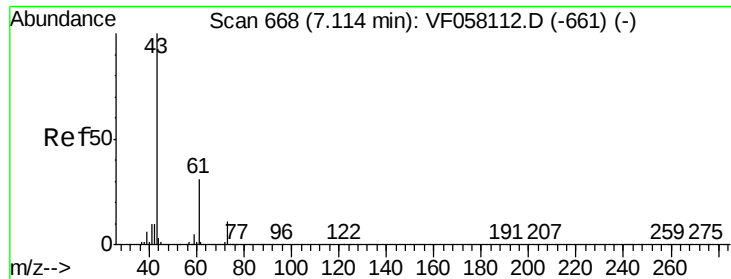
apatel
6/21/2018 9:45:42 AM



#42
1,2-Dichloroethane
Concen: 62.60 ug/l m
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	11.8





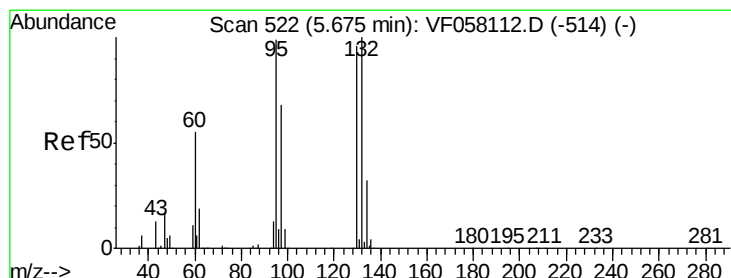
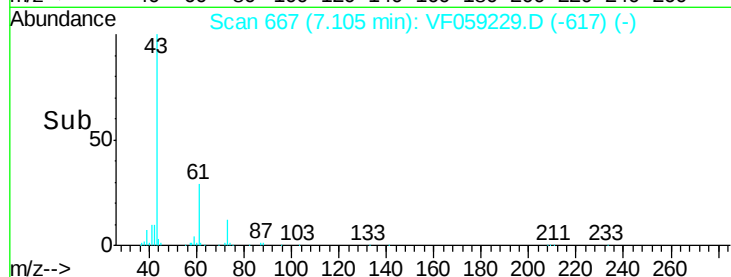
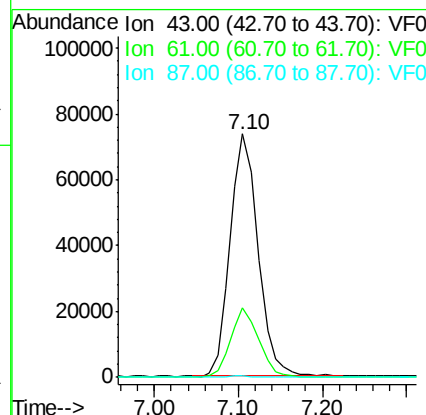
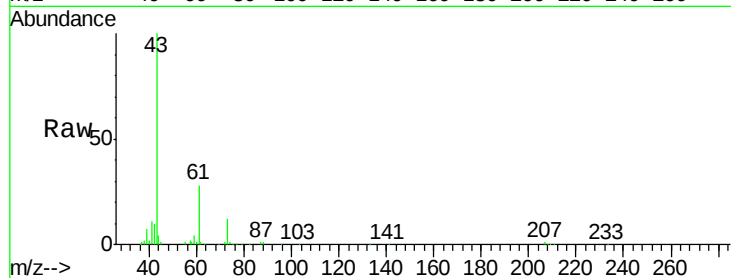
#43
Isopropyl Acetate
Concen: 54.55 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	25.1	37.7
87	0.5	0.2	0.4

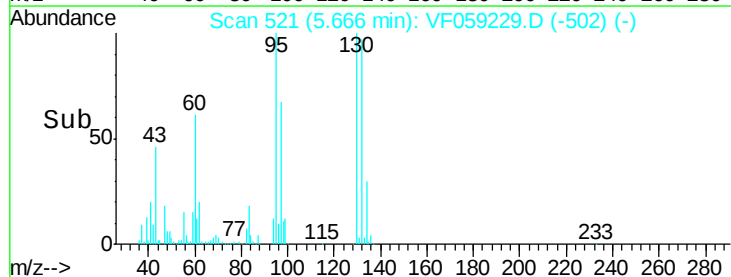
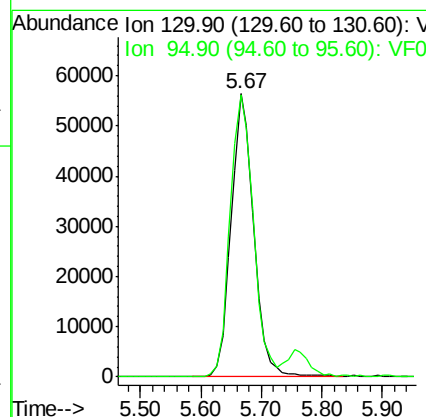
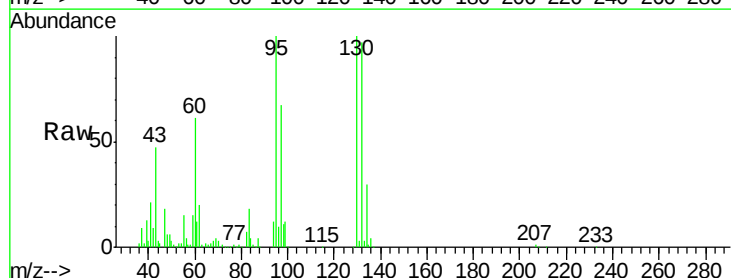
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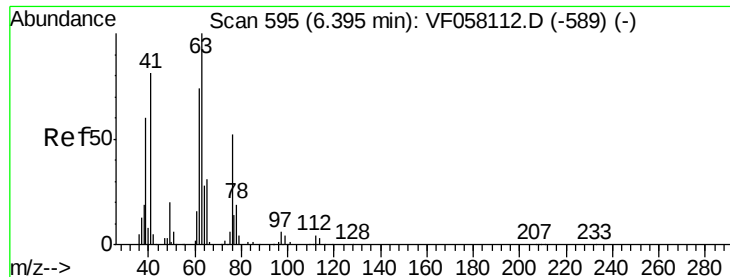
apatel
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#44
Trichloroethene
Concen: 53.56 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	206.8





#45

1,2-Dichloropropane

Concen: 48.21 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 121379

Ion Ratio Lower Upper

63 100

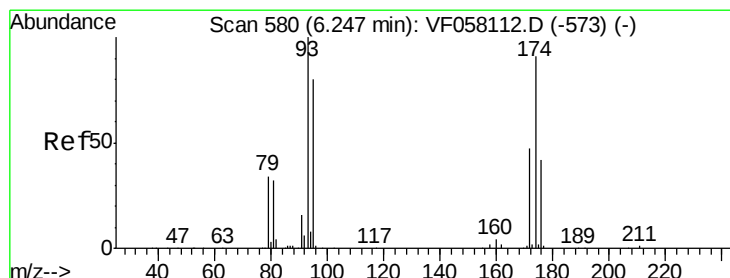
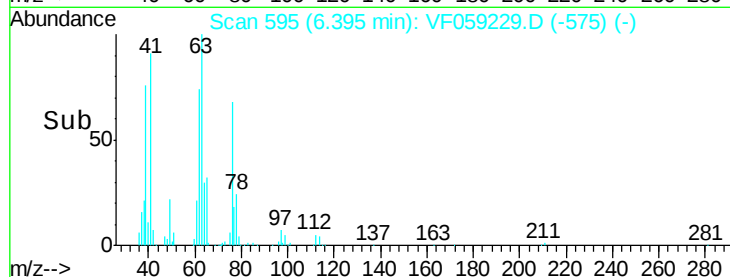
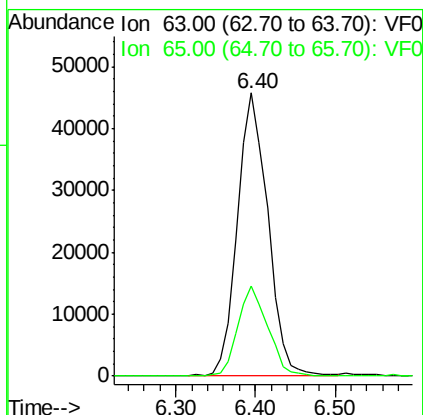
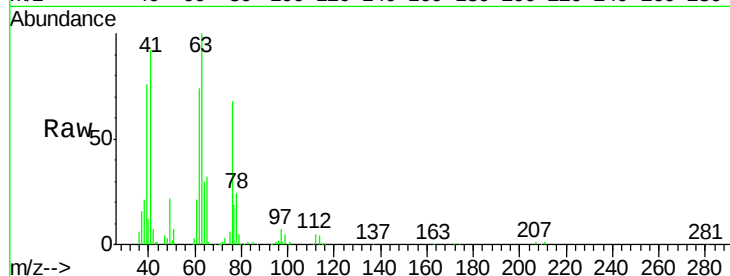
65 32.0 24.6 37.0

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#46

Dibromomethane

Concen: 58.02 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

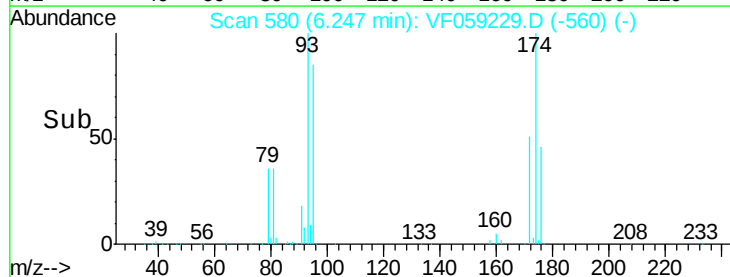
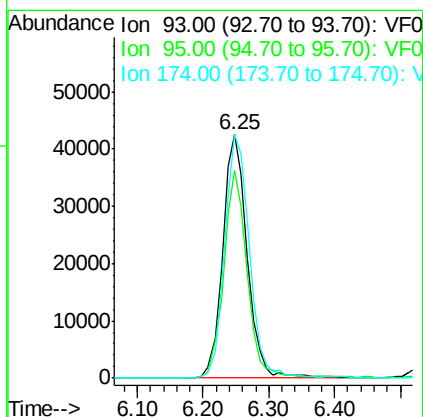
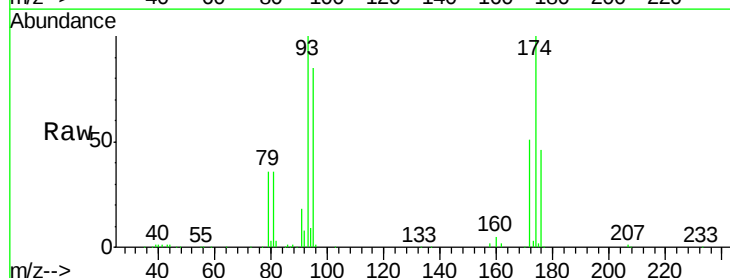
Tgt Ion: 93 Resp: 109908

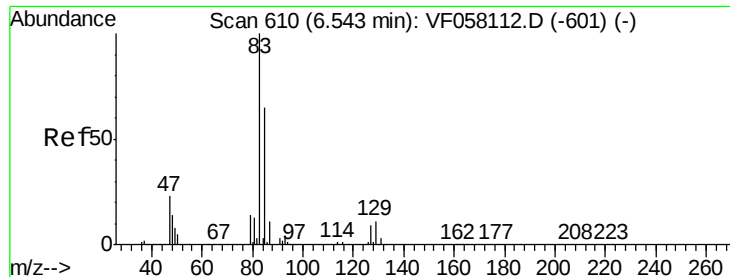
Ion Ratio Lower Upper

93 100

95 85.3 64.2 96.4

174 101.7 72.7 109.1





#47

Bromodichloromethane

Concen: 58.71 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

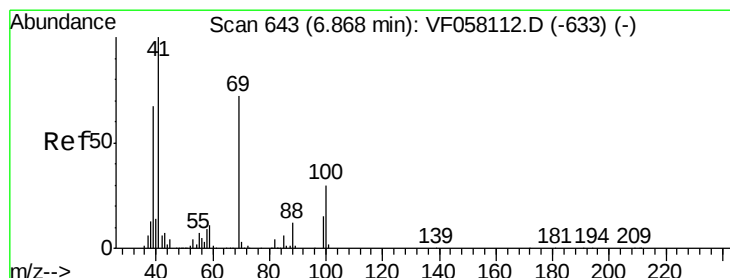
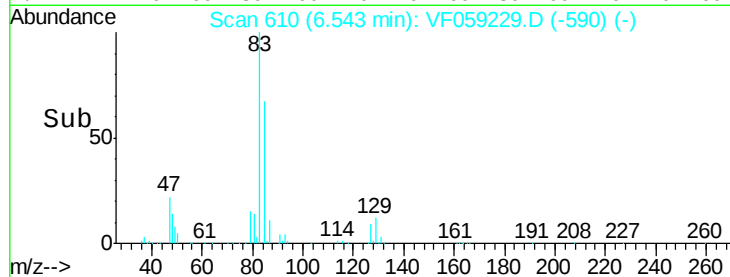
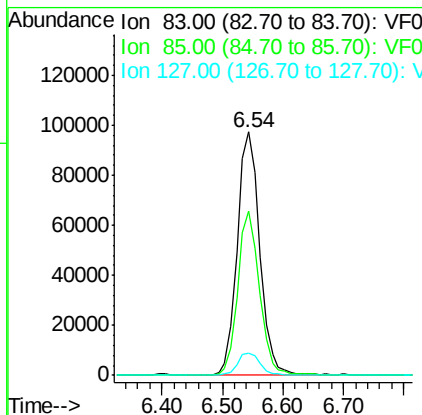
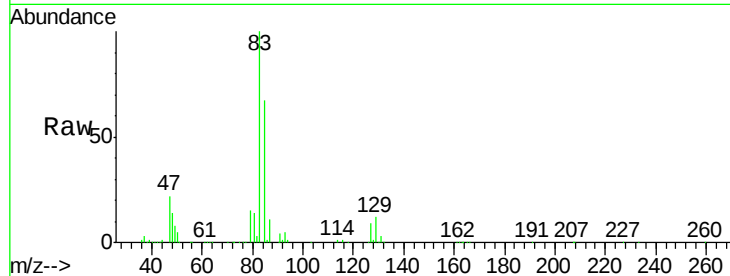
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	252980
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.6	77.4
127	9.3	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.54 ug/l

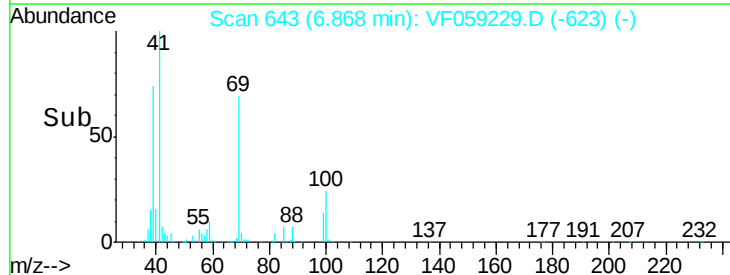
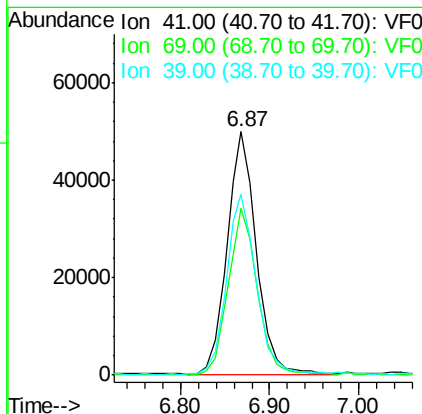
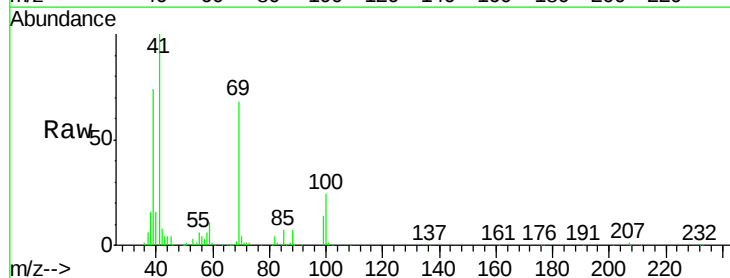
RT: 6.87 min Scan# 643

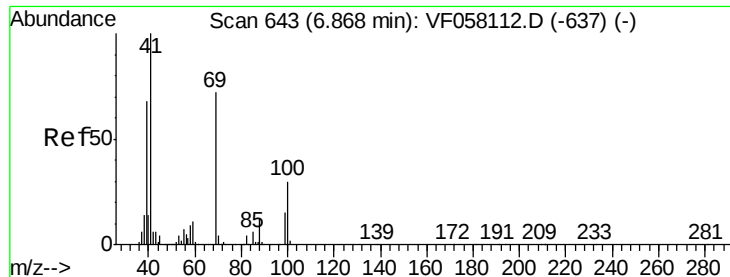
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	41	Resp:	114245
Ion	Ratio	Lower	Upper
41	100		
69	68.4	57.2	85.8
39	74.3	54.3	81.5





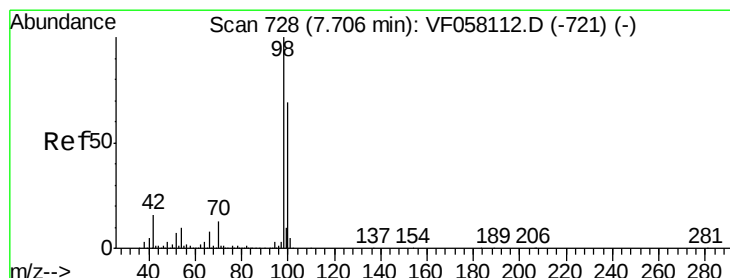
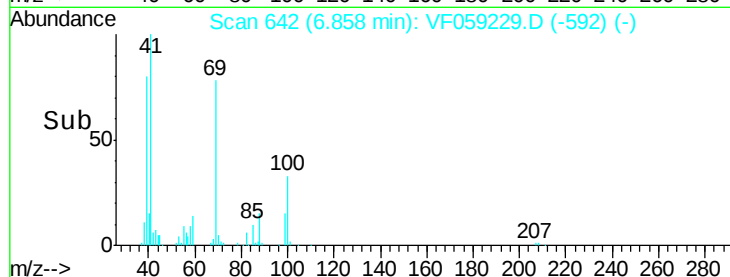
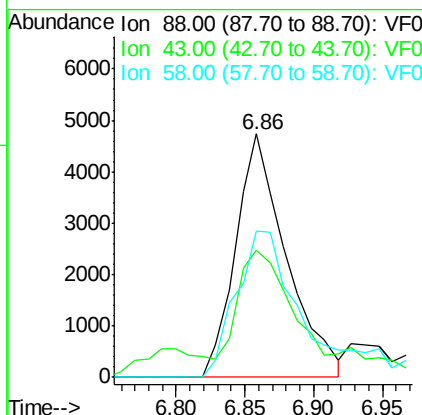
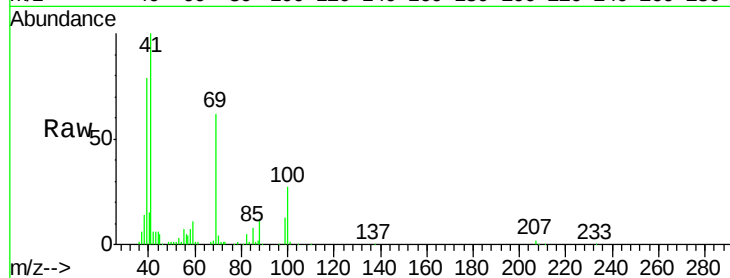
#49
1,4-Dioxane
Concen: 857.36 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	12078
Ion Ratio	Lower	Upper	
88	100		
43	52.5	47.8	71.8
58	60.0	59.4	89.0

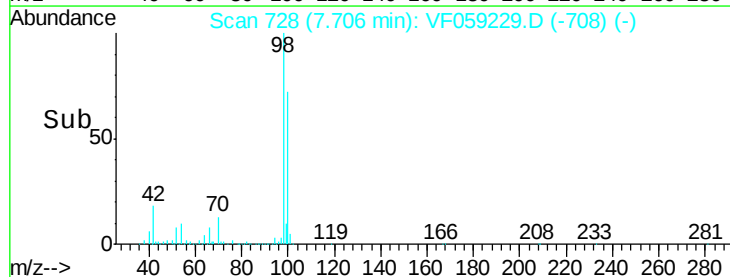
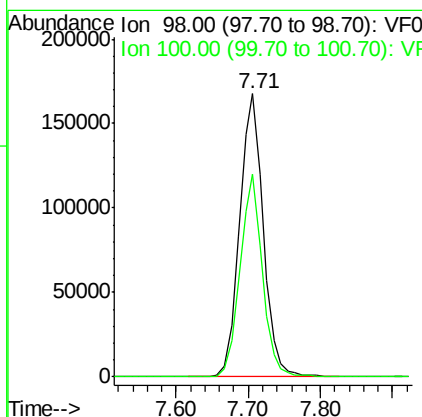
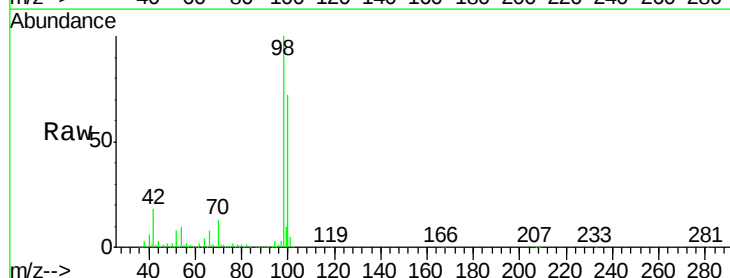
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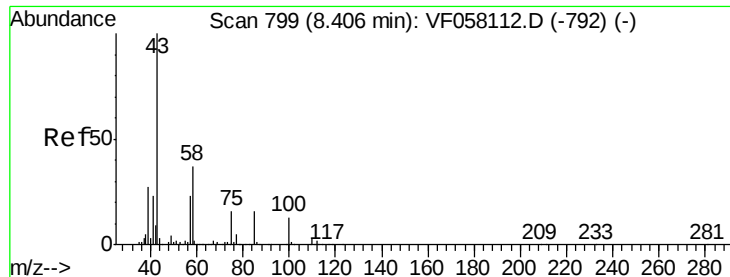
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#50
Toluene-d8
Concen: 47.94 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	98	Resp	383521
Ion Ratio	Lower	Upper	
98	100		
100	71.6	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 298.60 ug/l m

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tot Ion: 43 Resp: 637066

Ion Ratio Lower Upper

43 100

58 34.8 29.4 44.0

Instrument :

MSVOA_F

ClientSampleId :

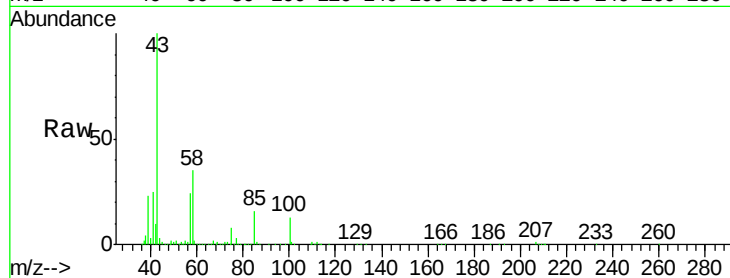
VSTDCCC050

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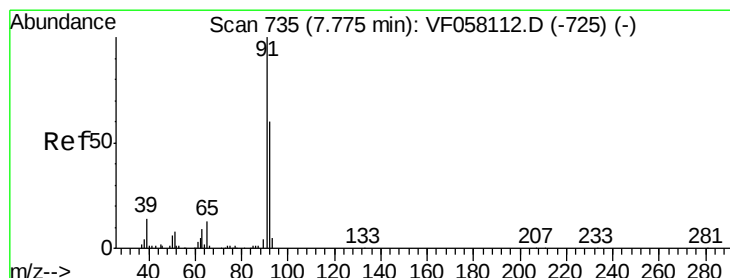
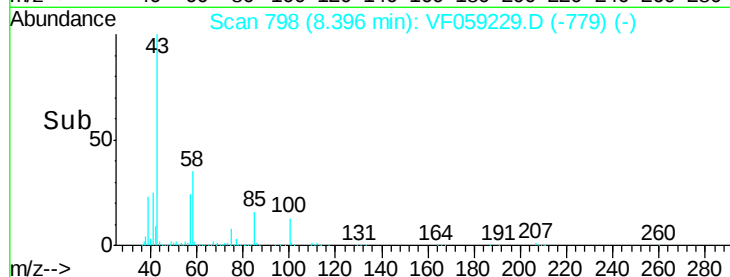
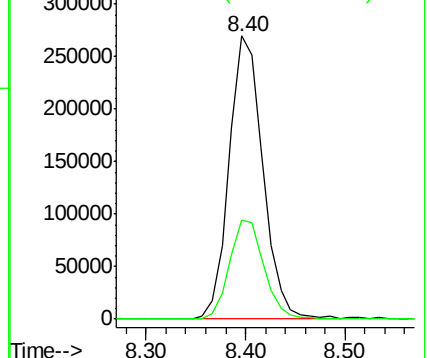
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.11 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059229.D

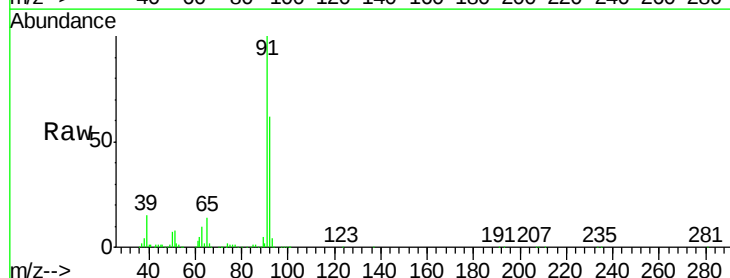
Acq: 20 Jun 2018 15:39

Tgt Ion: 92 Resp: 308823

Ion Ratio Lower Upper

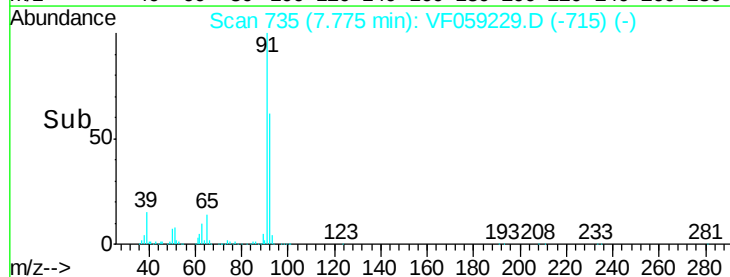
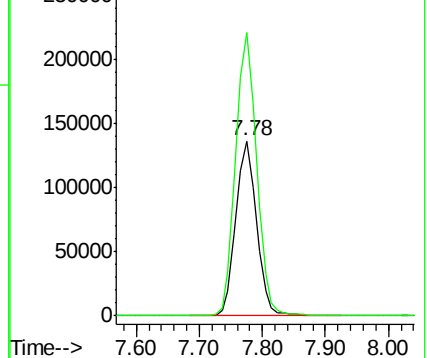
92 100

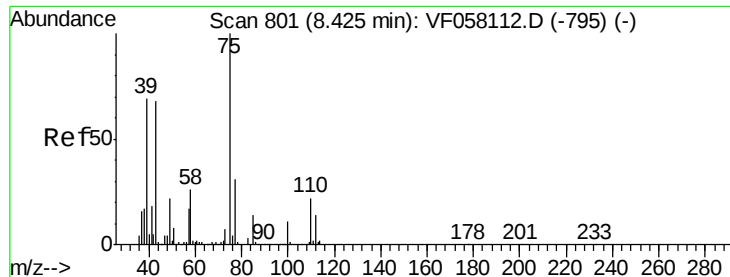
91 162.0 132.9 199.3



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: 57.92 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tot Ion: 75 Resp: 241698

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

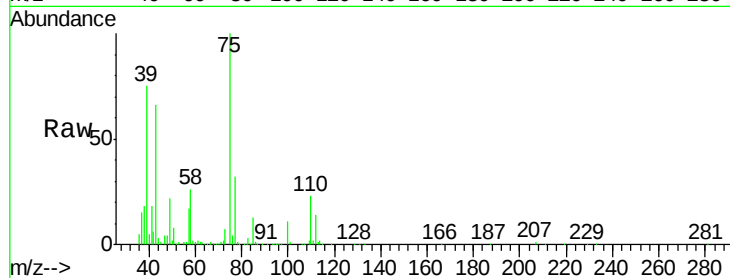
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

120000

100000

80000

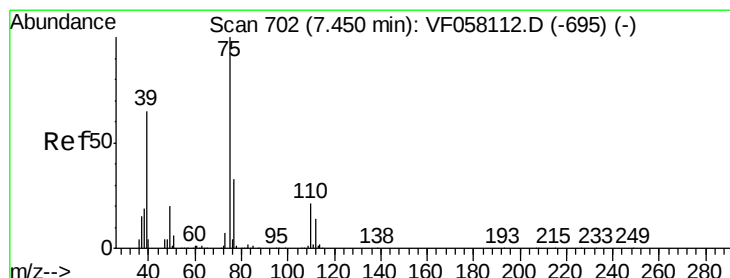
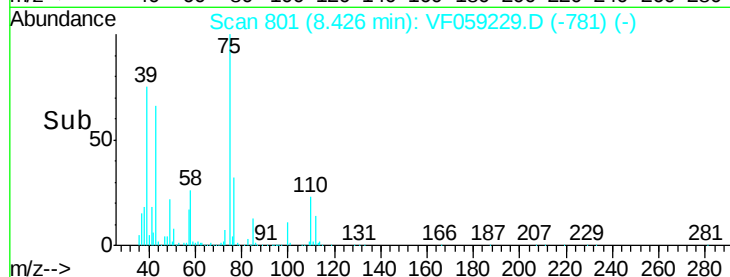
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.66 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

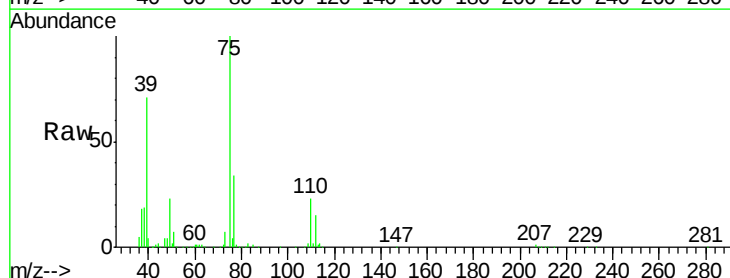
Tgt Ion: 75 Resp: 262045

Ion Ratio Lower Upper

75 100

77 34.4 26.3 39.5

39 70.6 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

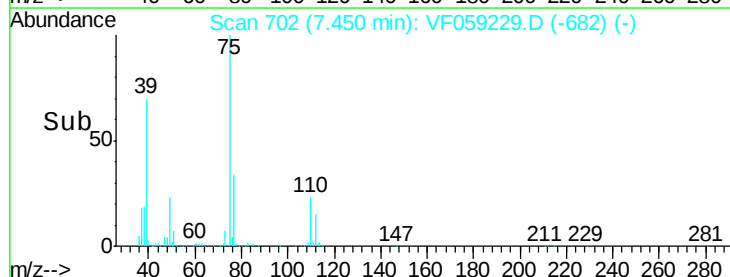
150000

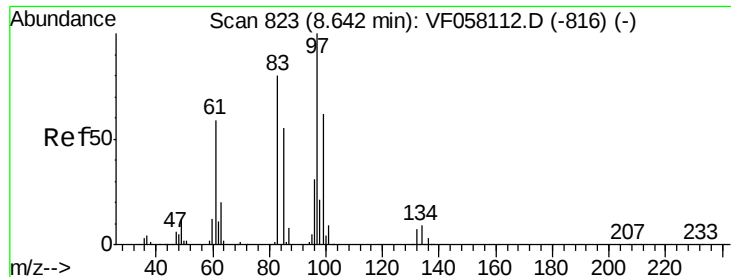
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.33 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

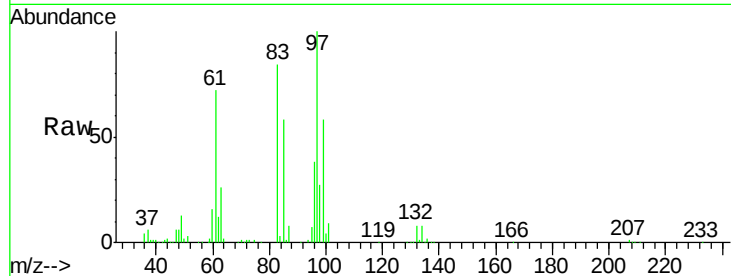
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	130653
Ion	Ratio	Lower	Upper
97	100		
83	84.1	64.3	96.5
85	58.1	43.8	65.8
99	58.0	49.8	74.8

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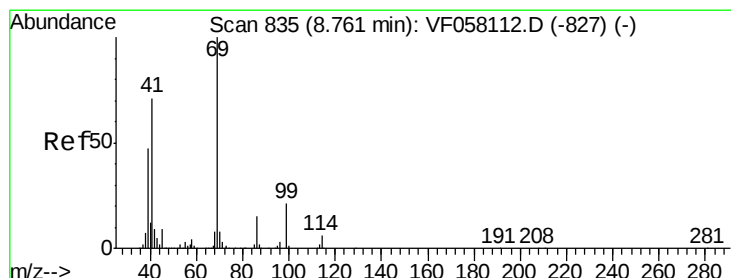
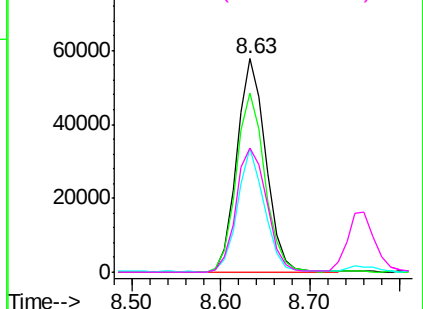
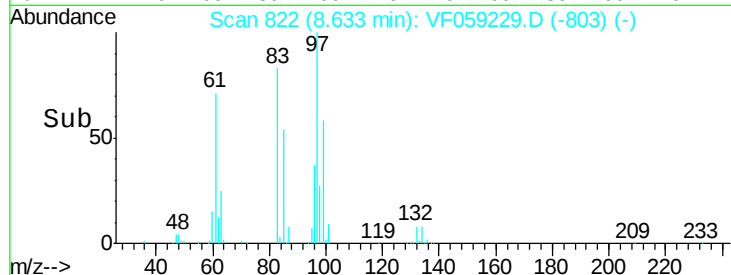


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 56.83 ug/l

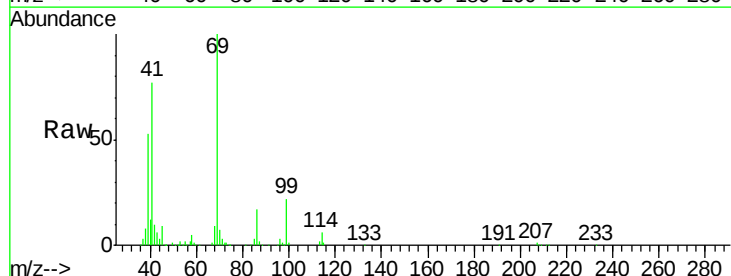
RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

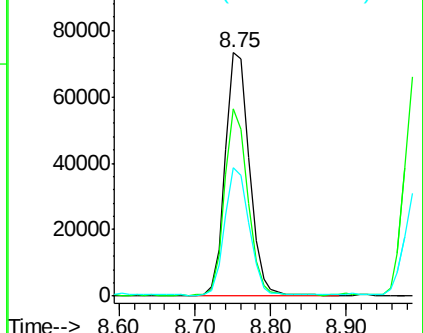
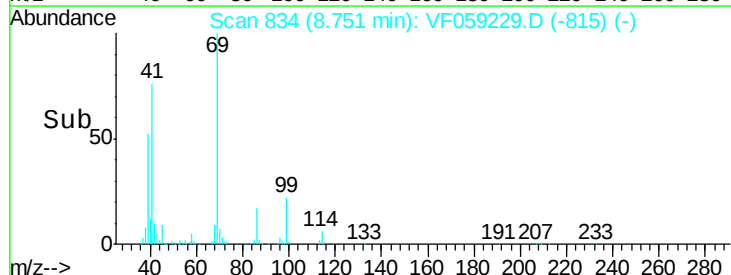
Tgt Ion:	69	Resp:	163253
Ion	Ratio	Lower	Upper
69	100		
41	76.8	56.9	85.3
39	52.8	38.0	57.0

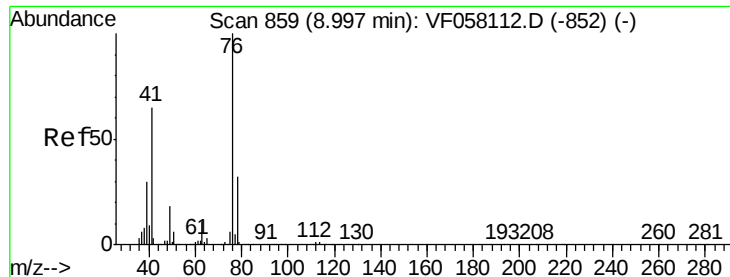


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 58.21 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 226929

Ion Ratio Lower Upper

76 100

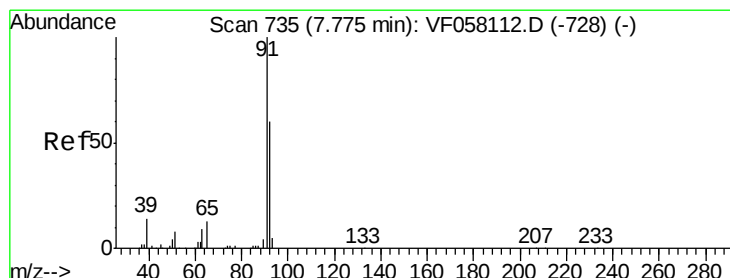
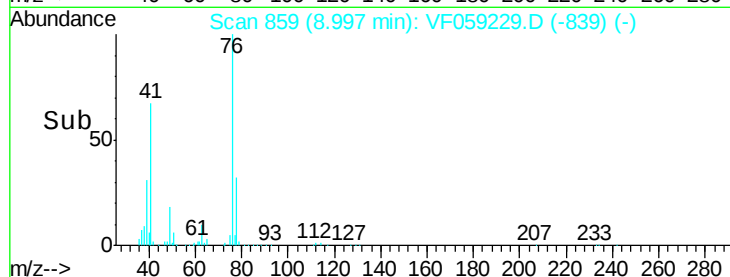
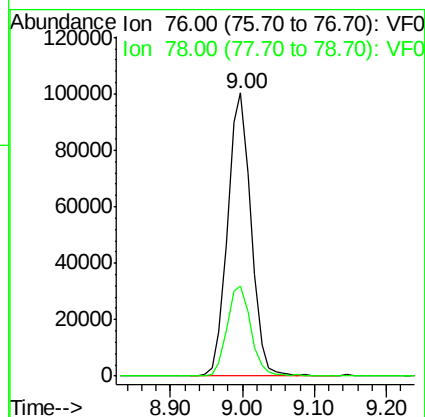
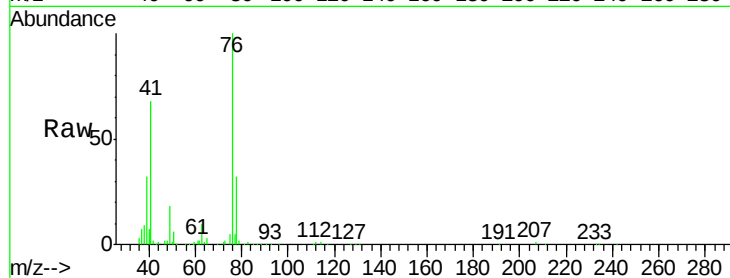
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 257.88 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059229.D

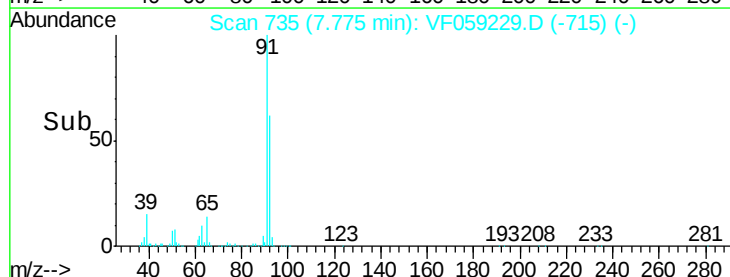
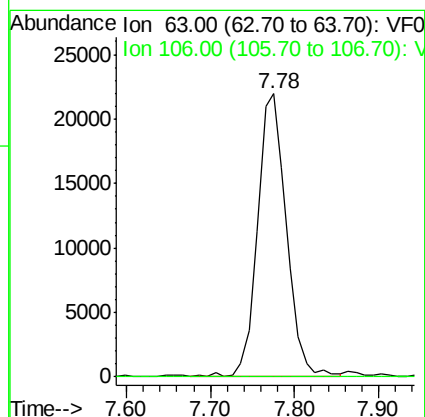
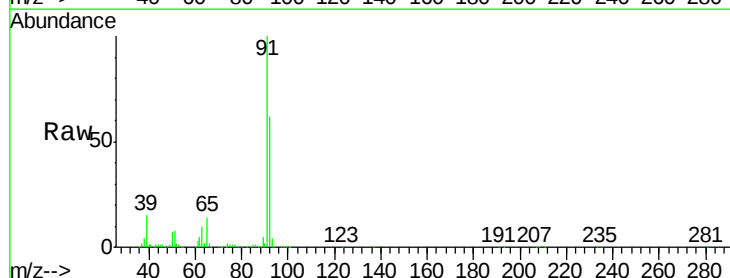
Acq: 20 Jun 2018 15:39

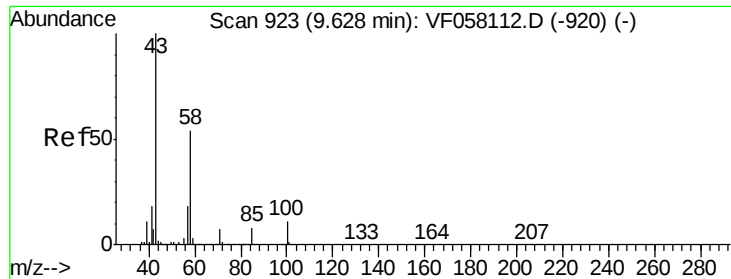
Tgt Ion: 63 Resp: 52968

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





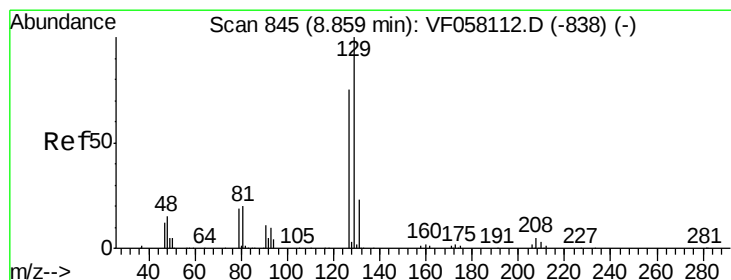
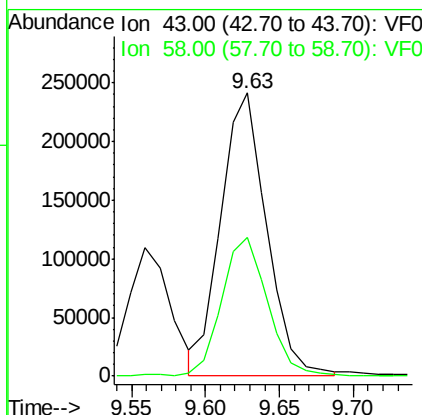
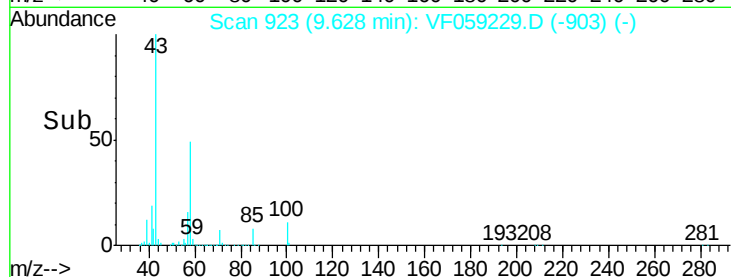
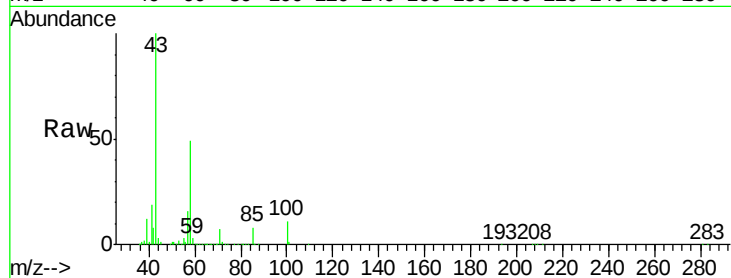
#59
2-Hexanone
Concen: 309.37 ug/l m
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	26.3	78.8

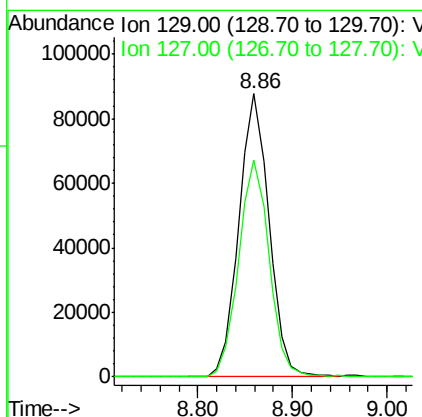
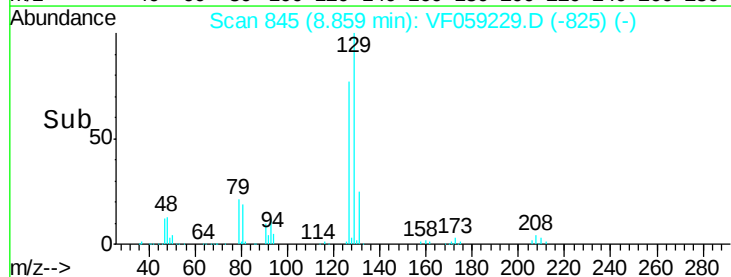
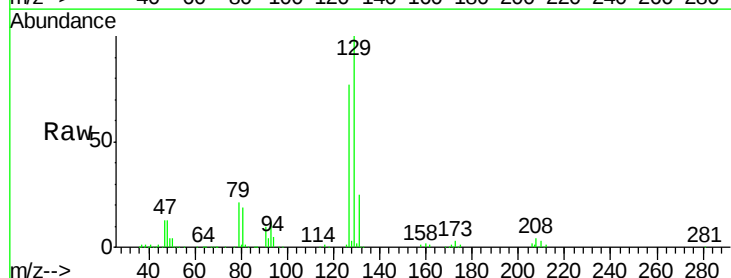
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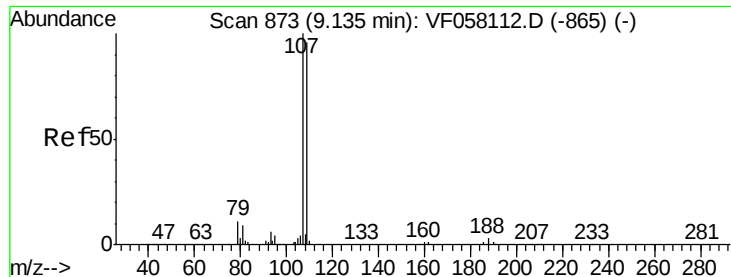
apatel
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#60
Dibromochloromethane
Concen: 59.26 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.6	112.9





#61

1,2-Dibromoethane

Concen: 59.49 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 157540

Ion Ratio Lower Upper

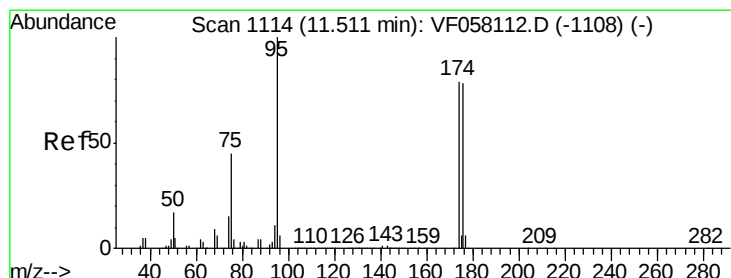
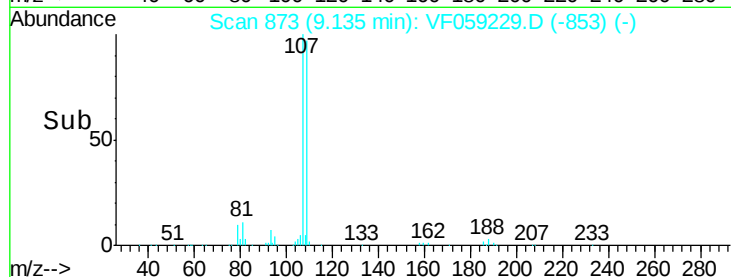
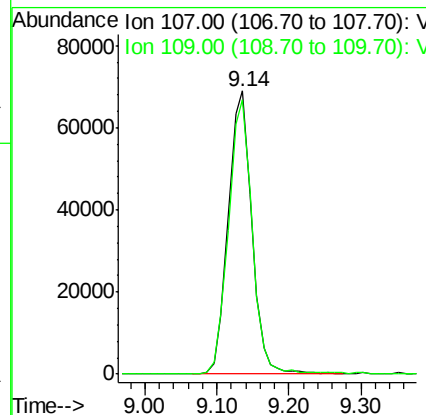
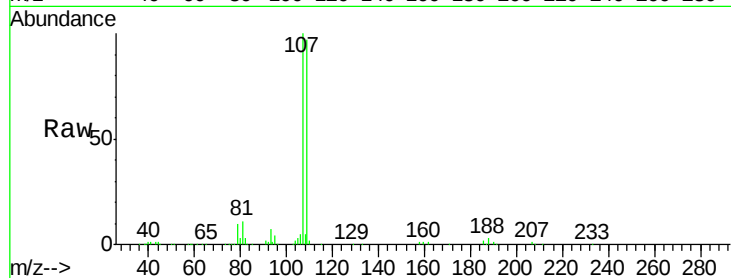
107 100

109 97.1 76.6 115.0

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#62

4-Bromofluorobenzene

Concen: 53.15 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

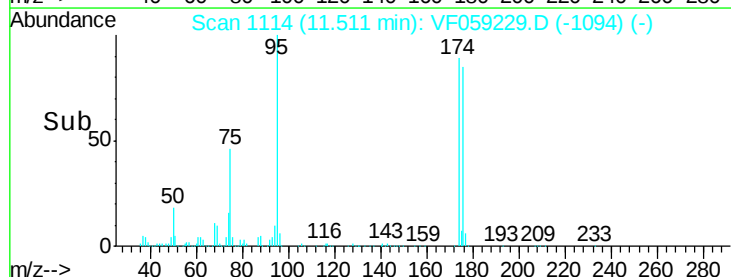
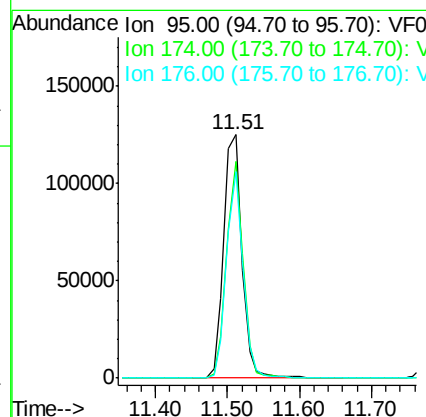
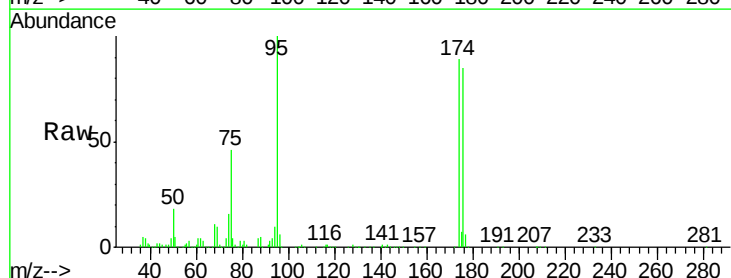
Tgt Ion: 95 Resp: 218102

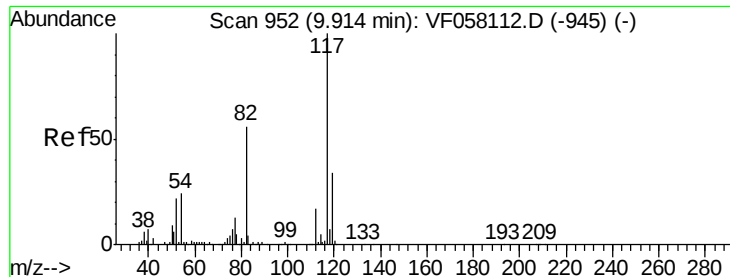
Ion Ratio Lower Upper

95 100

174 88.8 0.0 157.8

176 85.0 0.0 155.8





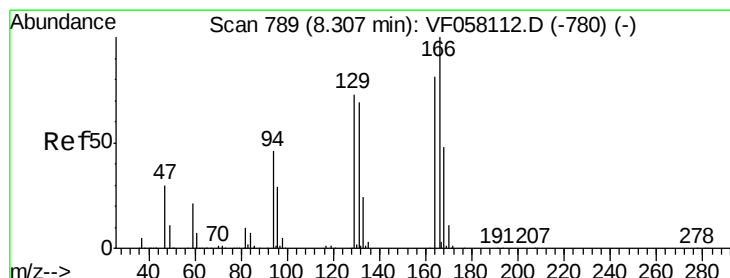
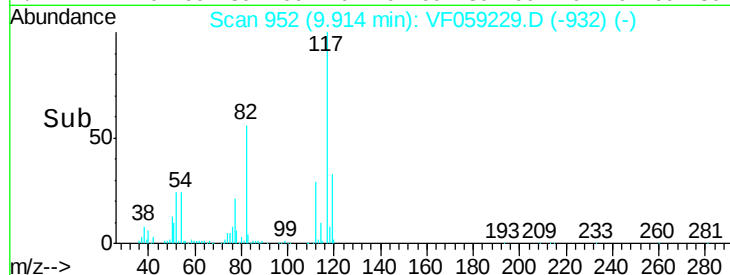
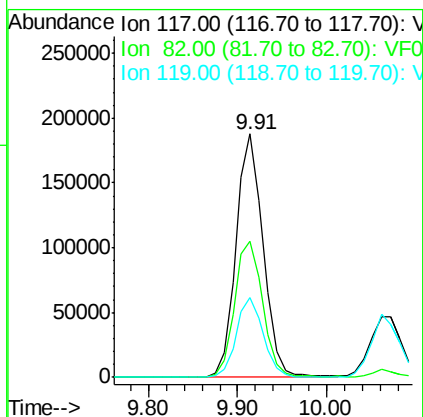
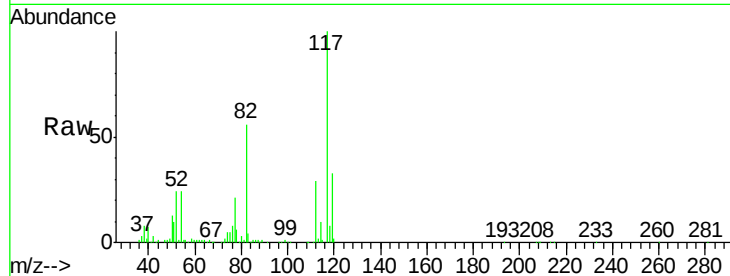
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.2	67.8
119	32.9	27.5	41.3

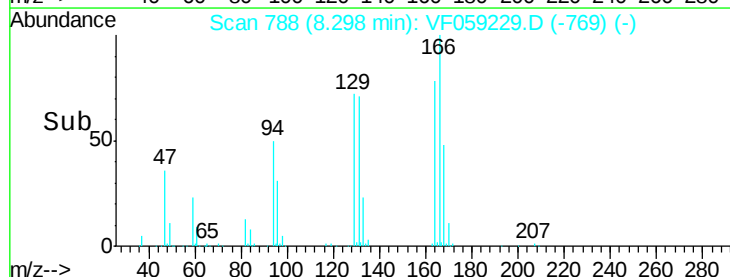
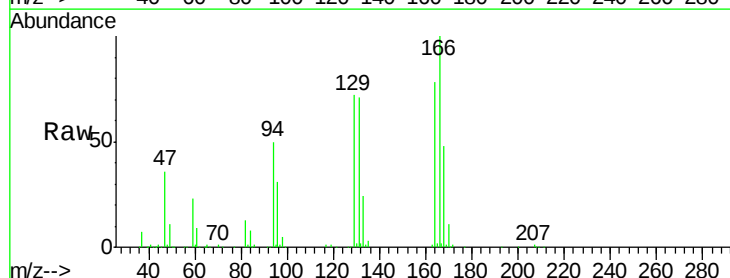
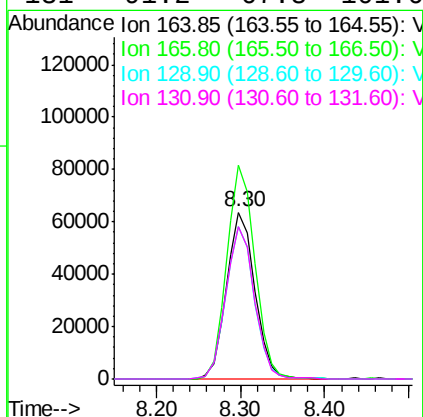
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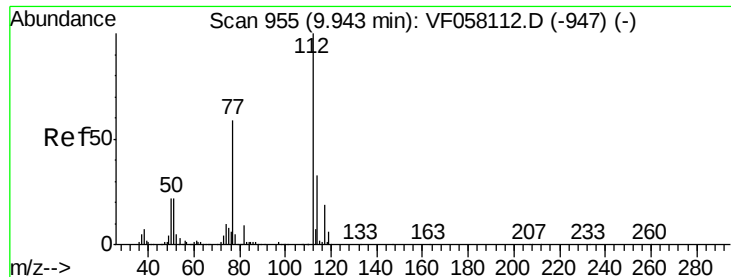
apatel
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#64
Tetrachloroethene
Concen: 51.01 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	98.2	147.4
129	91.5	71.6	107.4
131	91.2	67.8	101.6





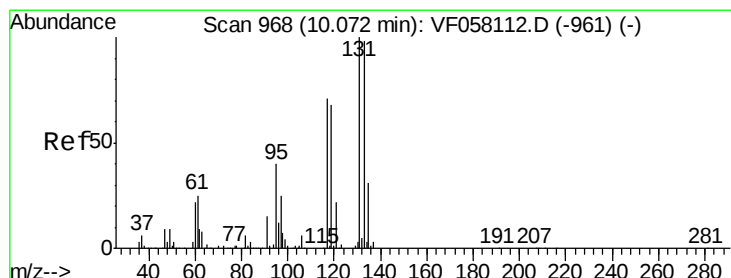
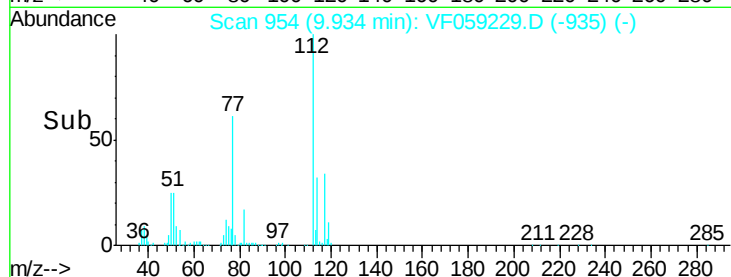
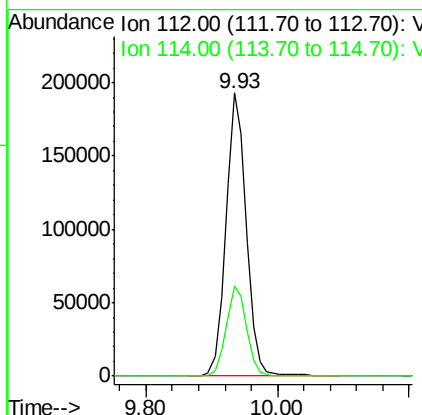
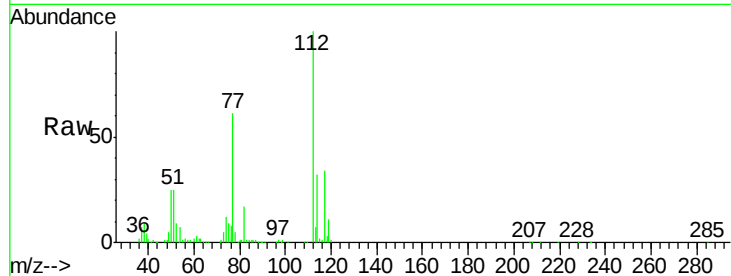
#65
Chlorobenzene
Concen: 52.82 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	417717		
114	32.0	26.2	39.4	

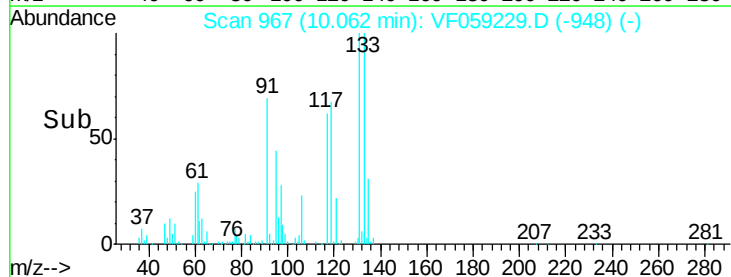
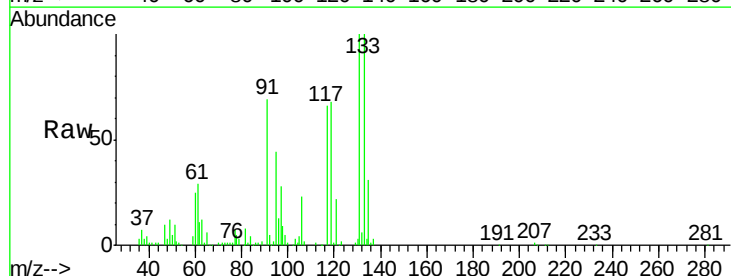
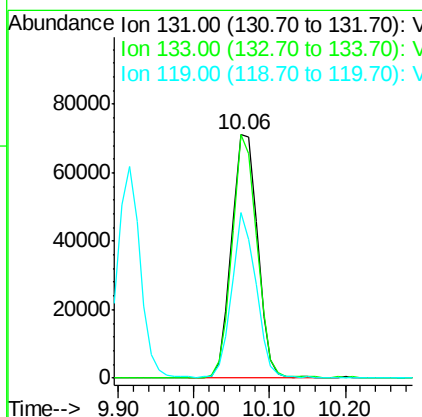
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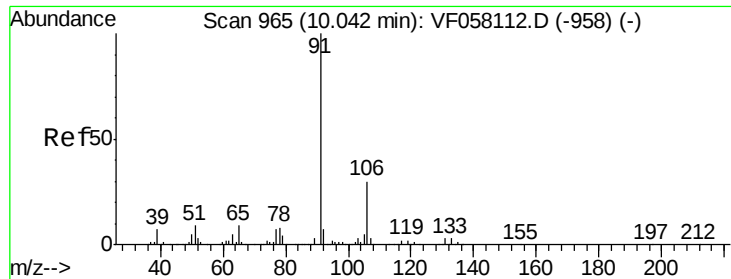
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.73 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	169023		
133	100.2	49.1	147.4	
119	68.1	34.3	102.8	





#67

Ethyl Benzene

Concen: 48.99 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 673202

Ion Ratio Lower Upper

91 100

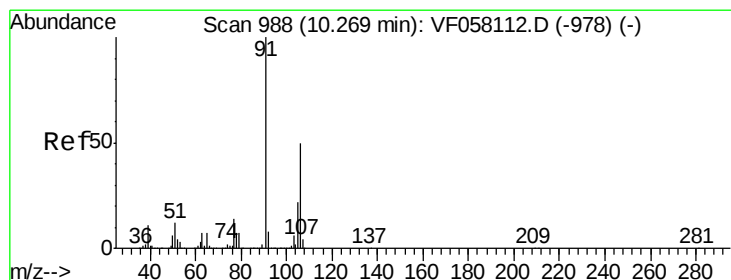
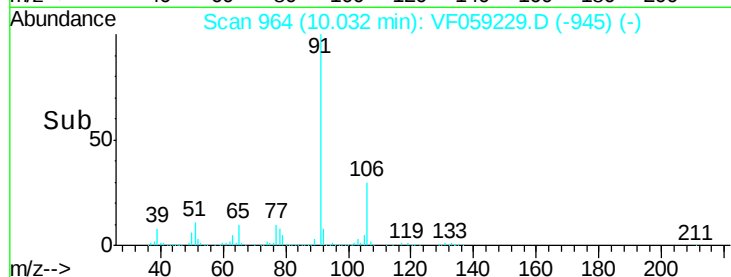
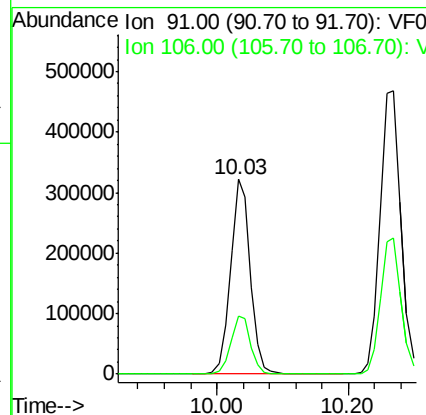
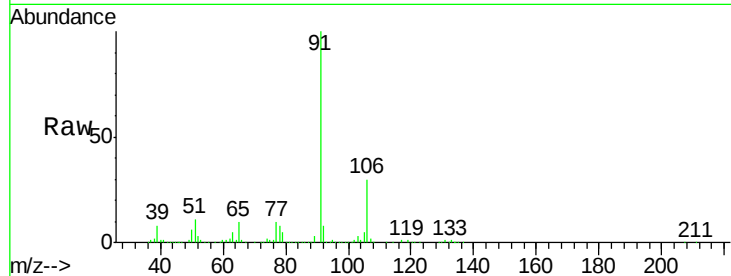
106 29.7 24.2 36.4

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#68

m/p-Xylenes

Concen: 95.44 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059229.D

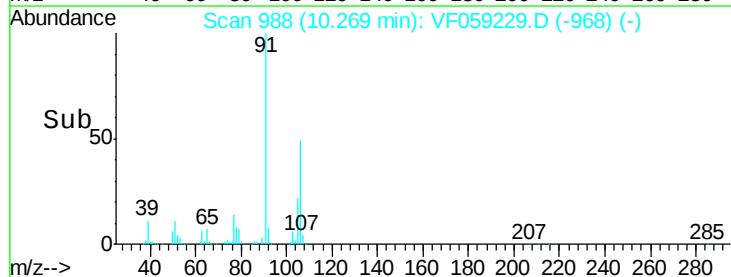
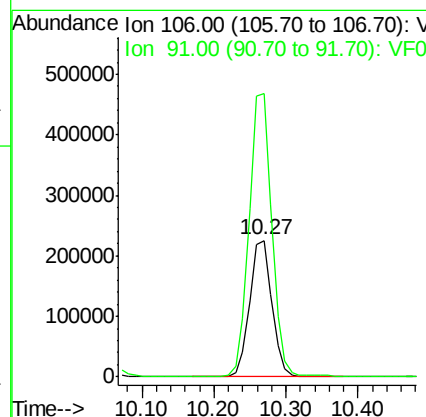
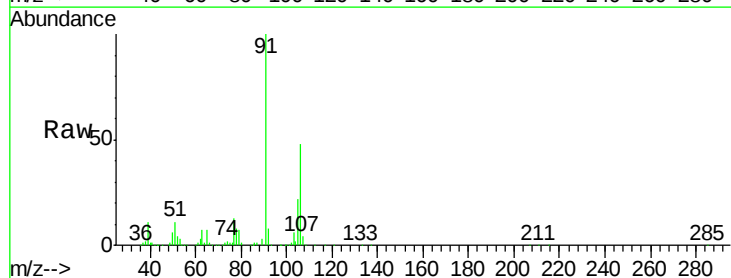
Acq: 20 Jun 2018 15:39

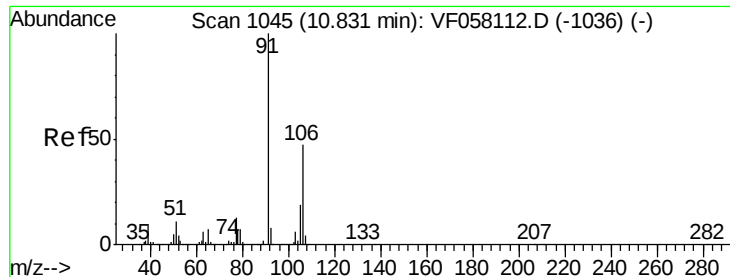
Tgt Ion: 106 Resp: 491010

Ion Ratio Lower Upper

106 100

91 206.9 160.7 241.1





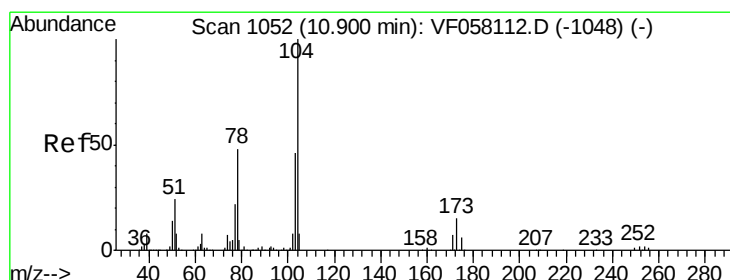
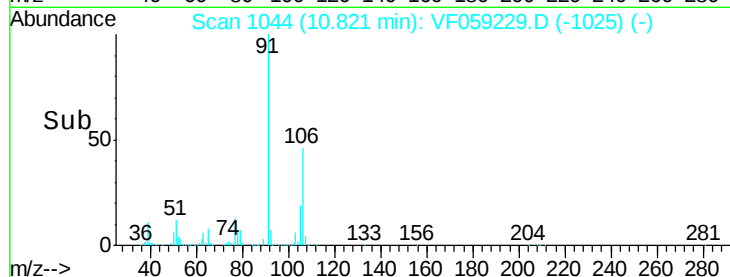
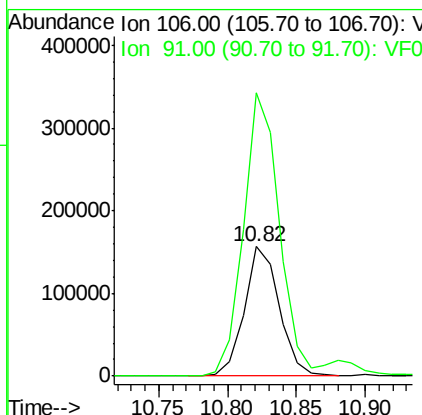
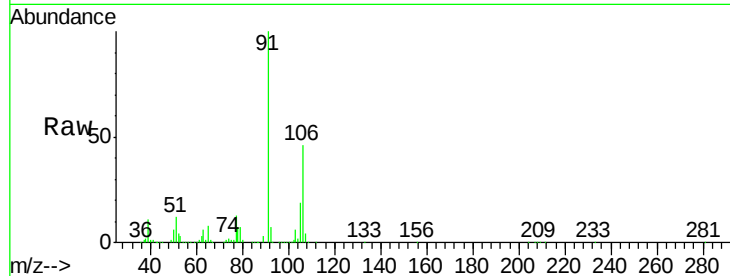
#69
o-Xylene
Concen: 49.92 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.1	107.0	321.0

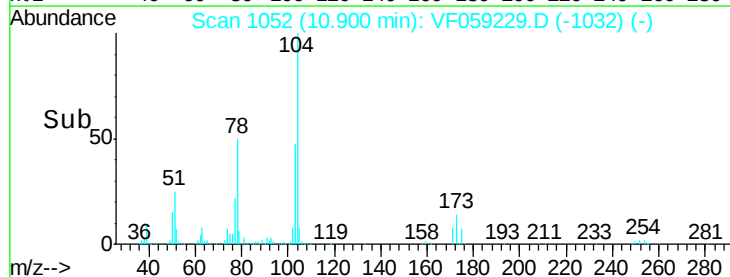
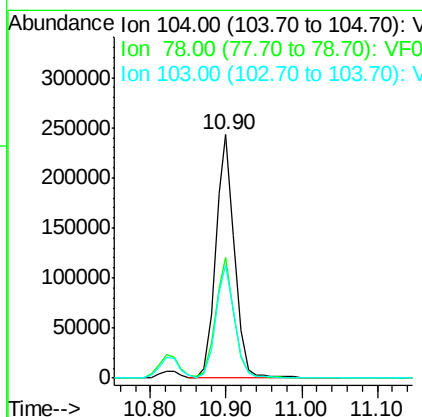
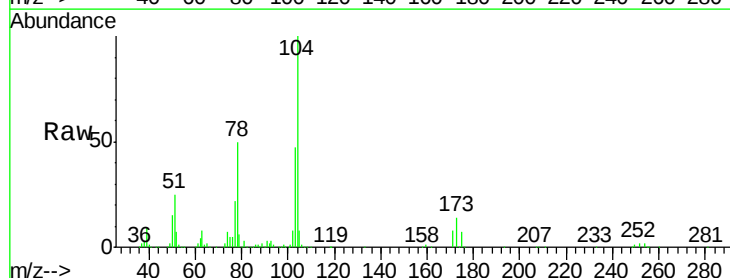
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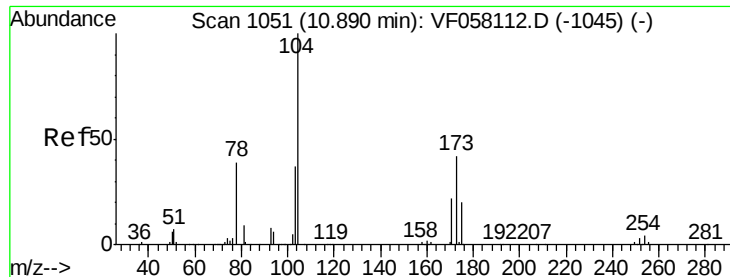
apatel
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#70
Styrene
Concen: 49.83 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.4	57.6
103	46.6	37.0	55.6





#71

Bromoform

Concen: 59.89 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

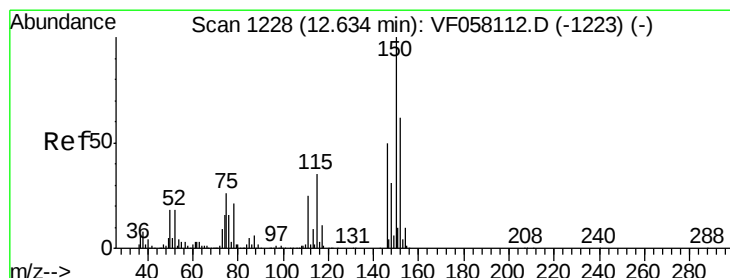
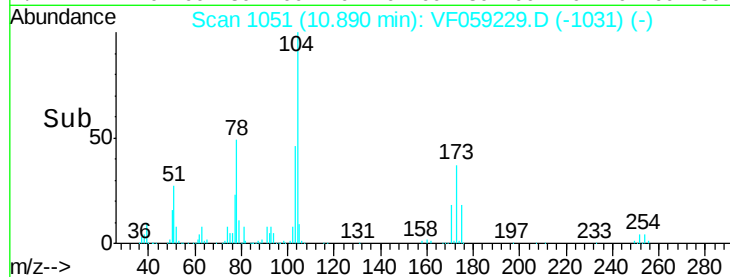
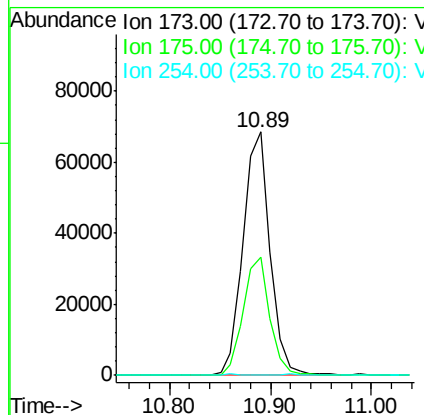
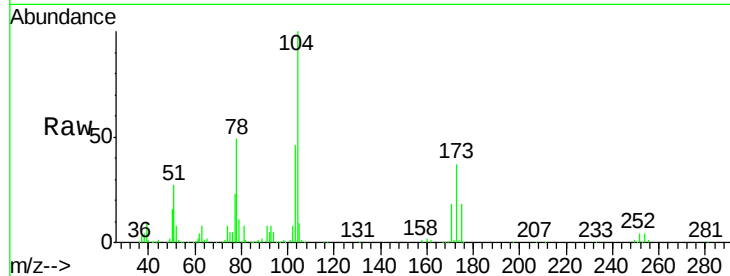
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	74.0
254	0.0	7.8	11.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

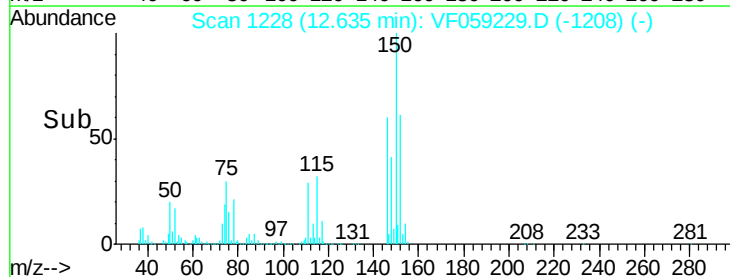
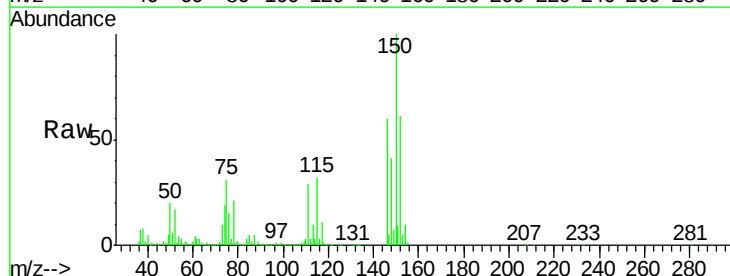
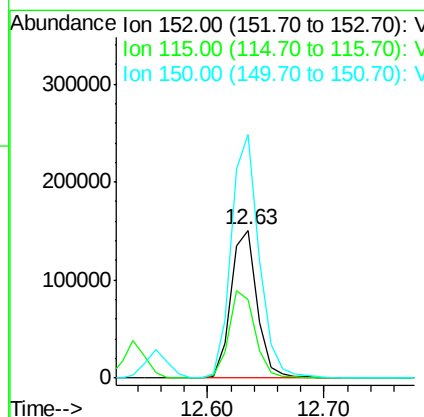
RT: 12.63 min Scan# 1228

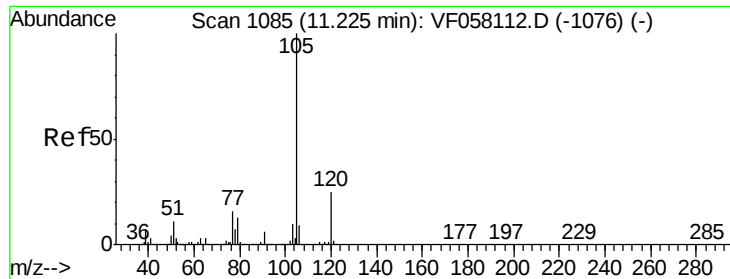
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	28.5	85.5
150	164.6	0.0	323.8





#73

Isopropylbenzene

Concen: 48.96 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 802137

Ion Ratio Lower Upper

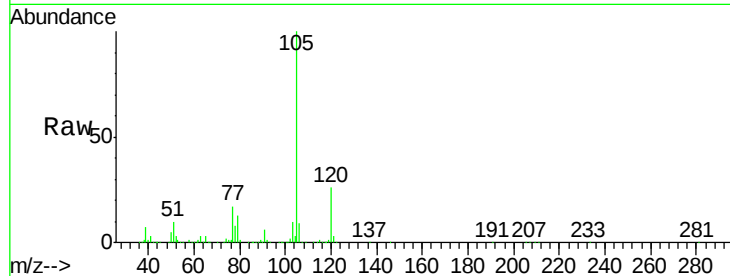
105 100

120 25.8 12.7 38.1

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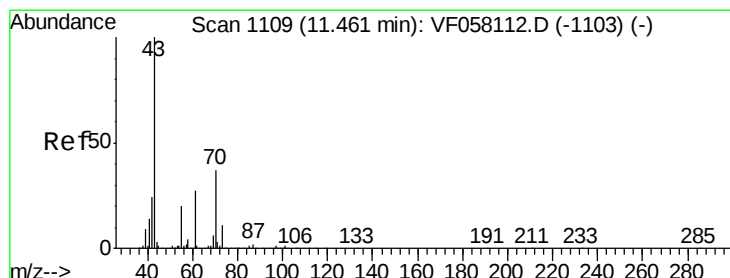
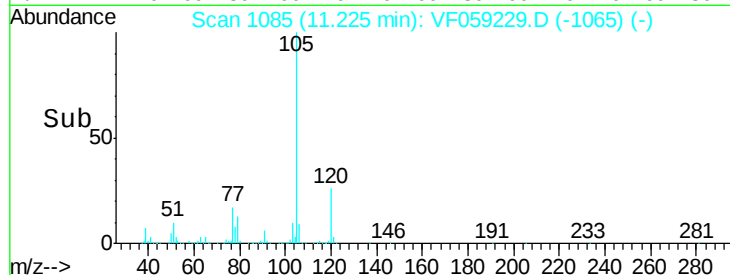
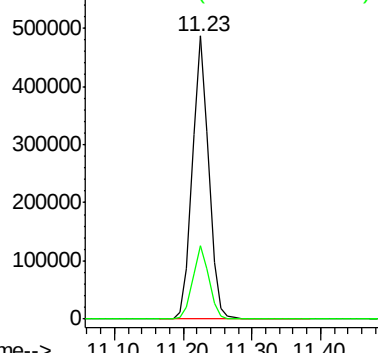
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.70 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion: 43 Resp: 296701

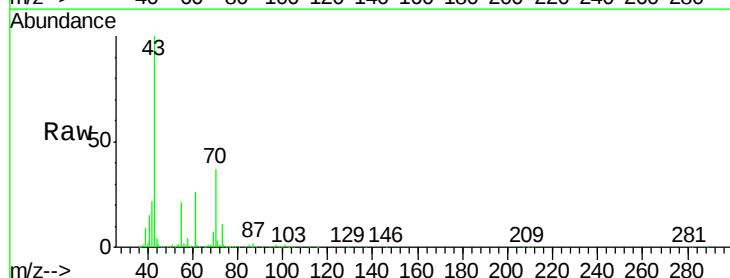
Ion Ratio Lower Upper

43 100

70 36.9 29.2 43.8

55 20.9 15.8 23.6

61 25.9 21.3 31.9

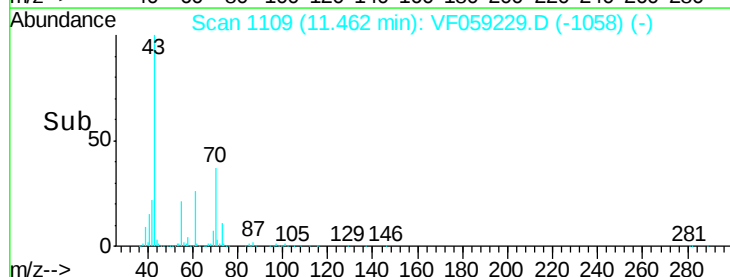
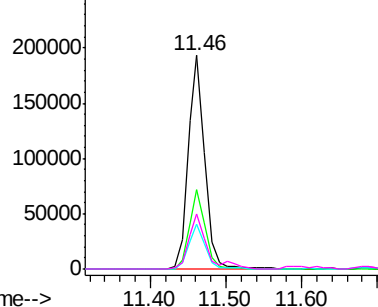


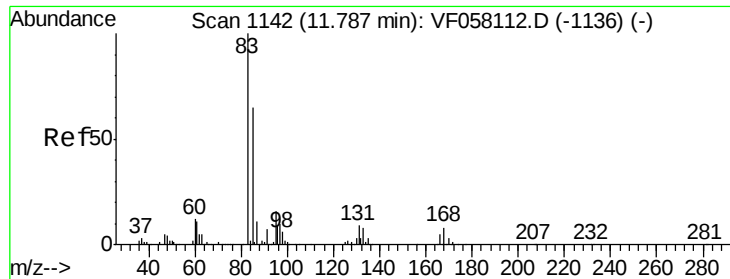
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.87 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

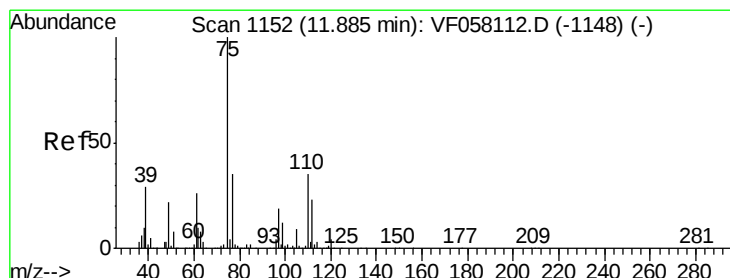
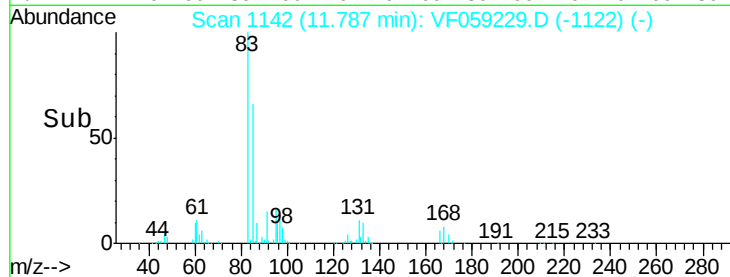
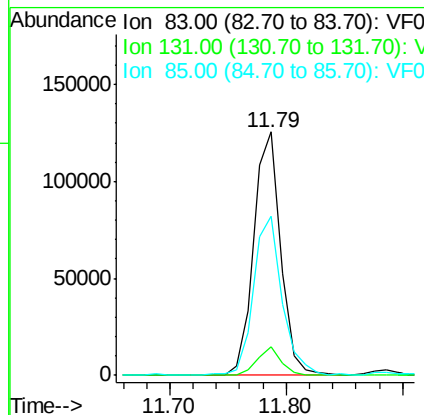
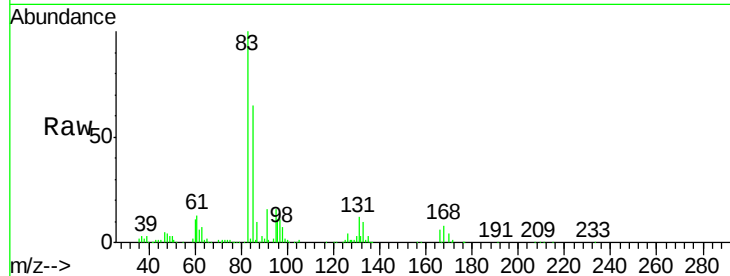
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	201481
Ion Ratio	Lower	Upper	
83	100		
131	11.6	4.5	13.7
85	65.4	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 52.71 ug/l

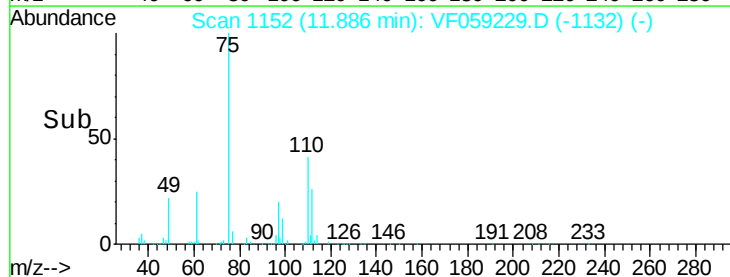
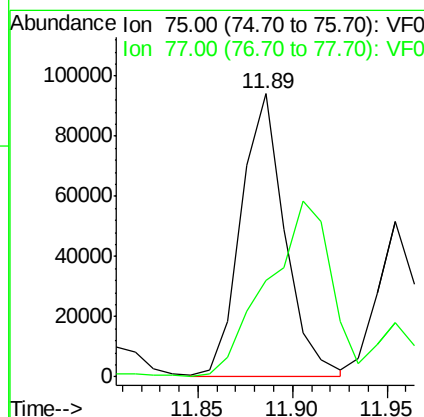
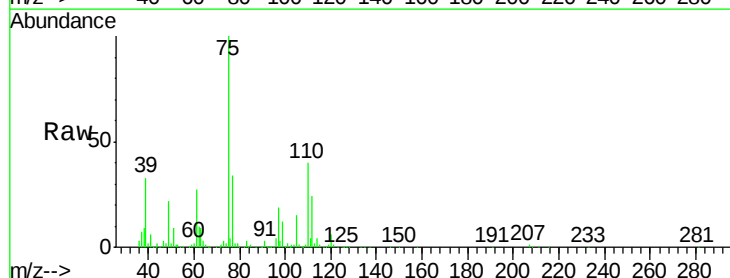
RT: 11.89 min Scan# 1152

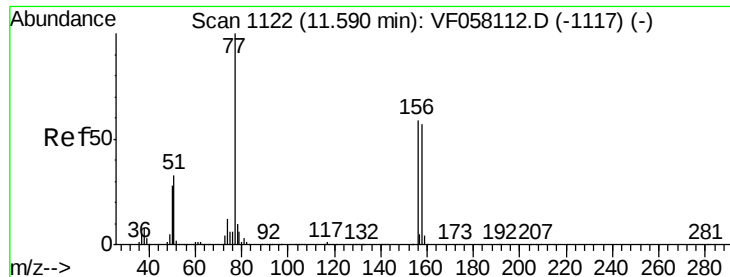
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	75	Resp:	151205
Ion Ratio	Lower	Upper	
75	100		
77	33.9	17.5	52.5





#77

Bromobenzene

Concen: 51.89 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

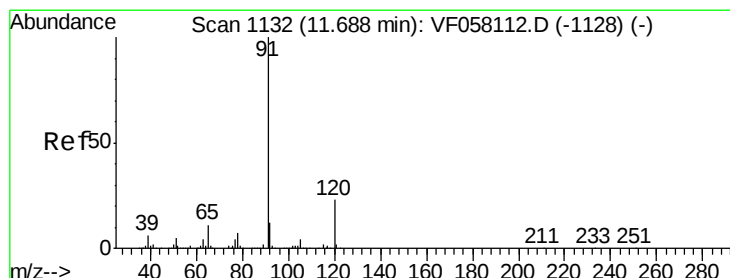
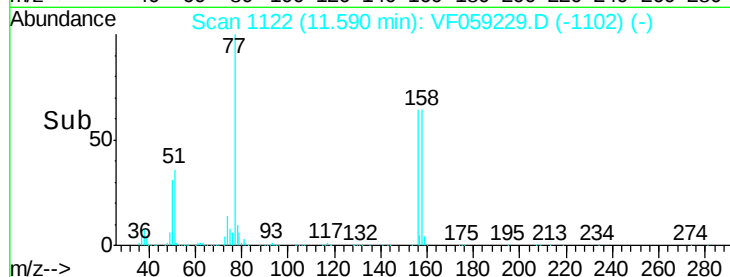
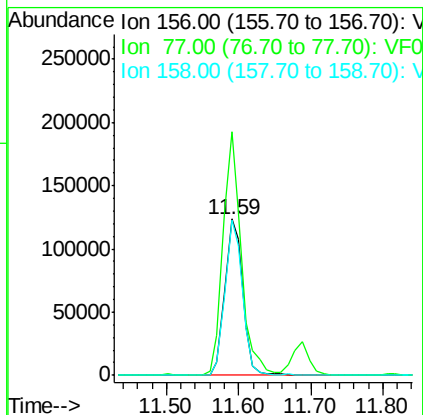
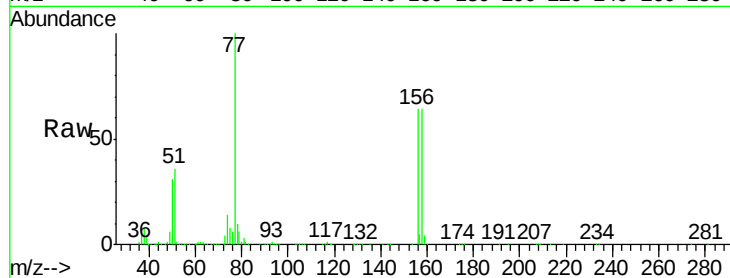
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		213944		
77	155.9	84.8	254.4		
158	99.2	47.9	143.7		

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#78

n-propylbenzene

Concen: 48.01 ug/l

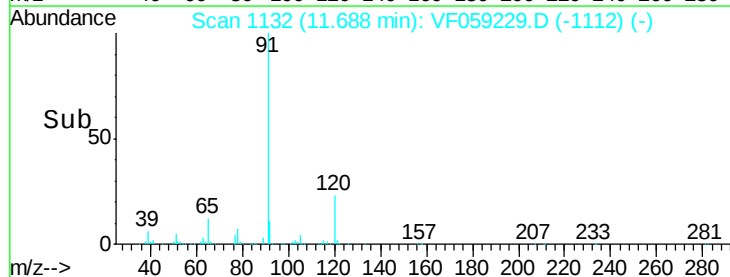
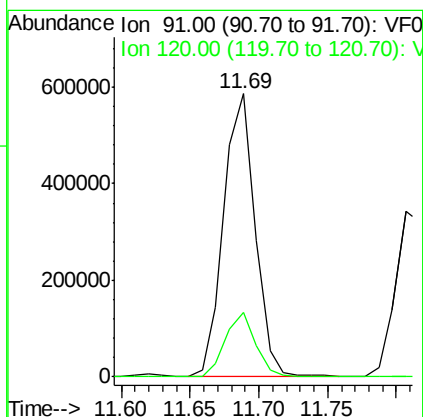
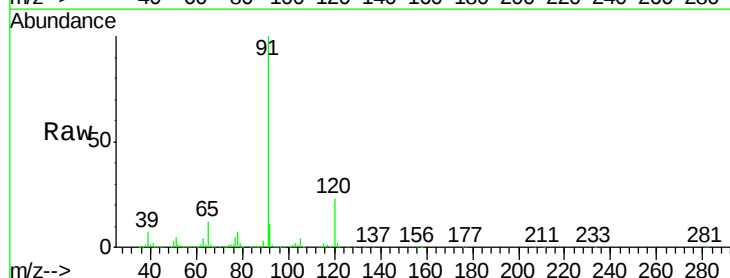
RT: 11.69 min Scan# 1132

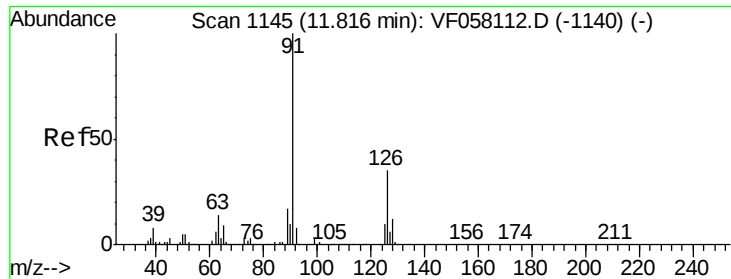
Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		931029		
120	22.8	11.5	34.5		





#79

2-Chlorotoluene

Concen: 49.72 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 569536

Ion Ratio Lower Upper

91 100

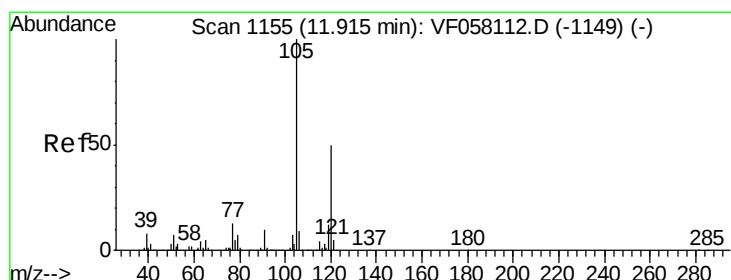
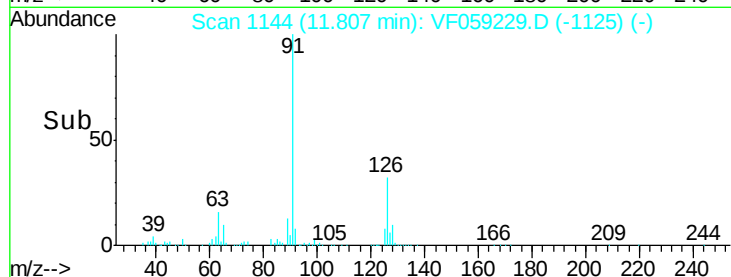
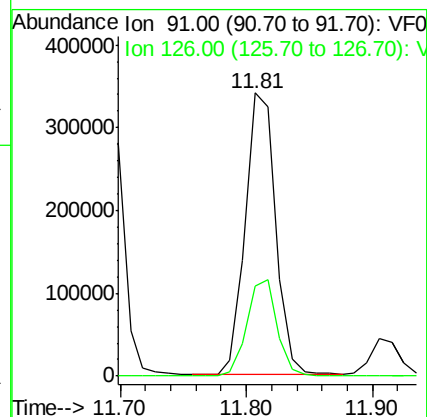
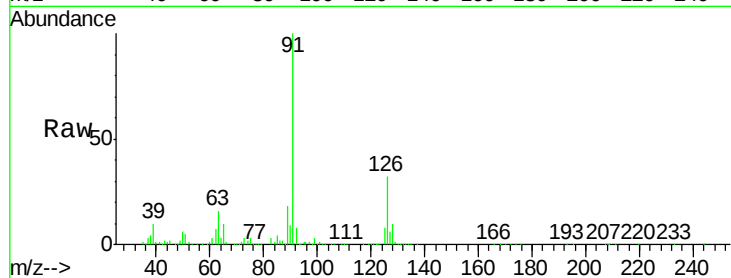
126 31.7 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 48.44 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059229.D

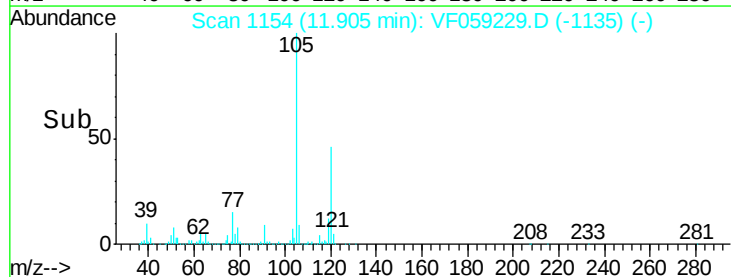
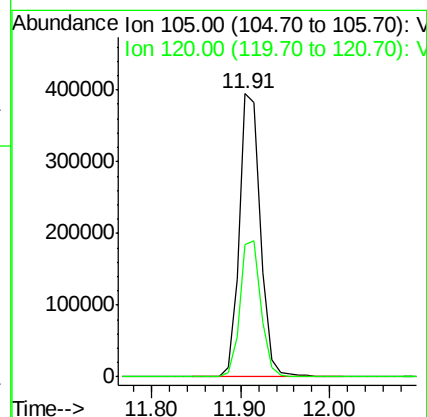
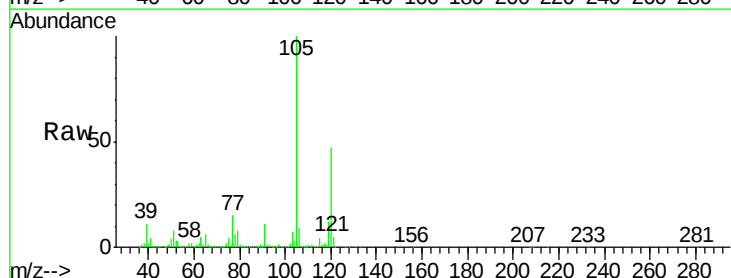
Acq: 20 Jun 2018 15:39

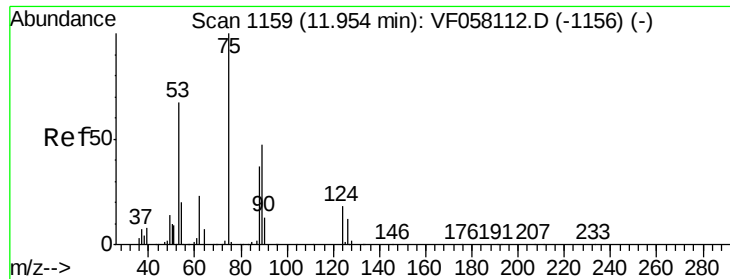
Tgt Ion: 105 Resp: 656825

Ion Ratio Lower Upper

105 100

120 47.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.13 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

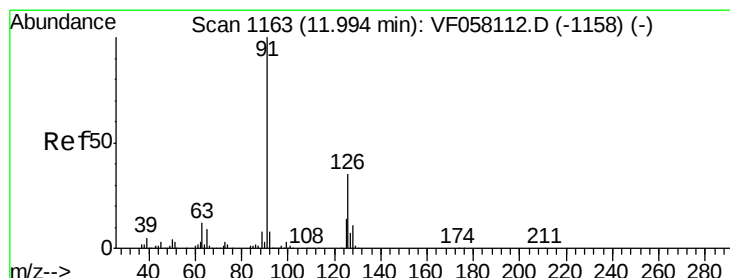
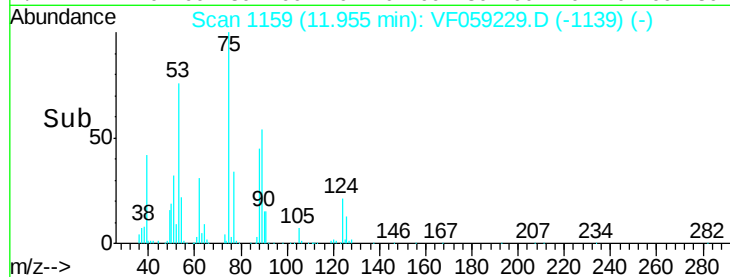
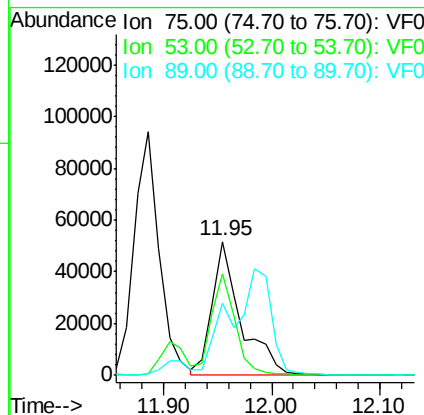
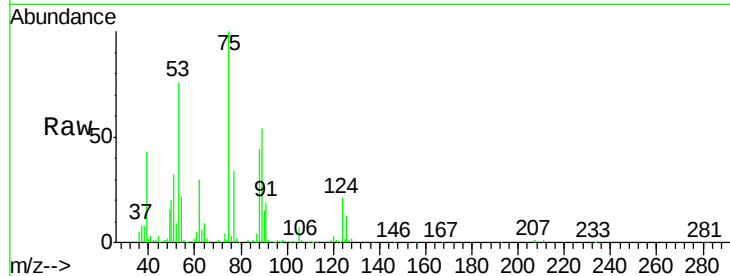
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	95089
Ion	Ratio	Lower	Upper
75	100		
53	76.0	58.7	88.1
89	53.9	39.8	59.6

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#82

4-Chlorotoluene

Concen: 49.99 ug/l

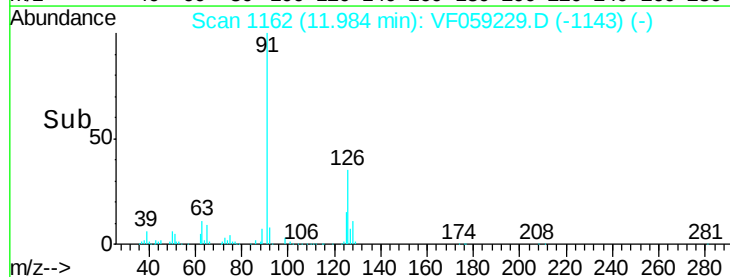
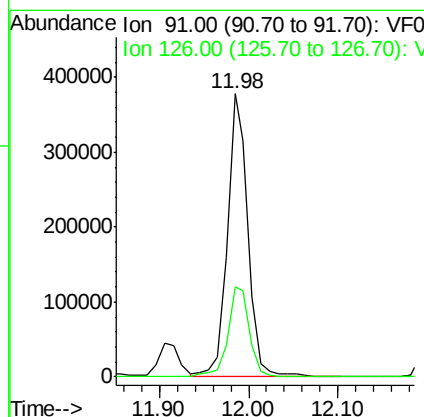
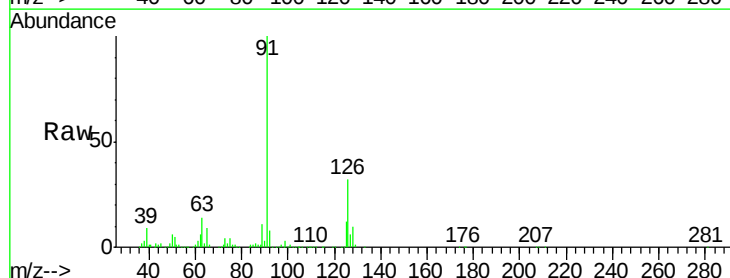
RT: 11.98 min Scan# 1162

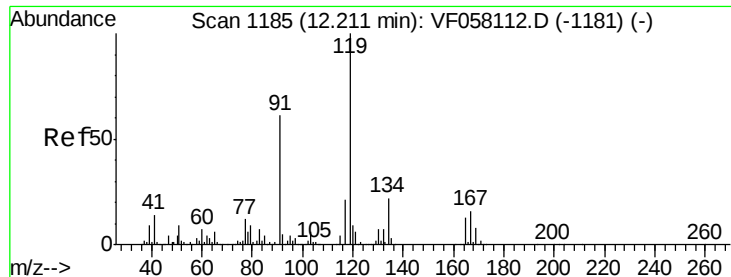
Delta R.T. -0.01 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Tgt Ion:	91	Resp:	609651
Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.4	52.2





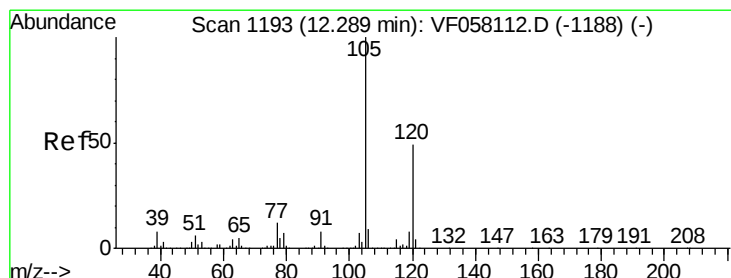
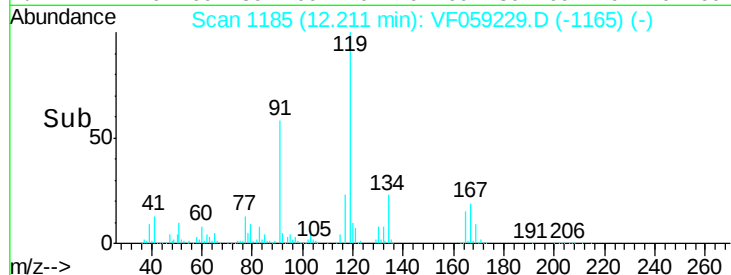
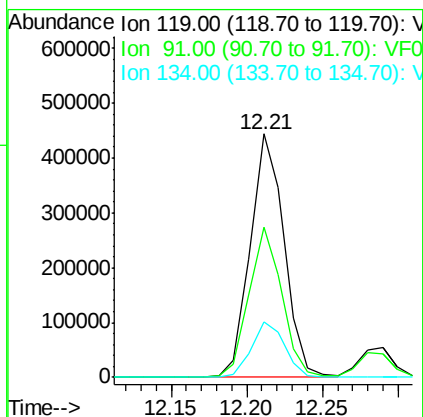
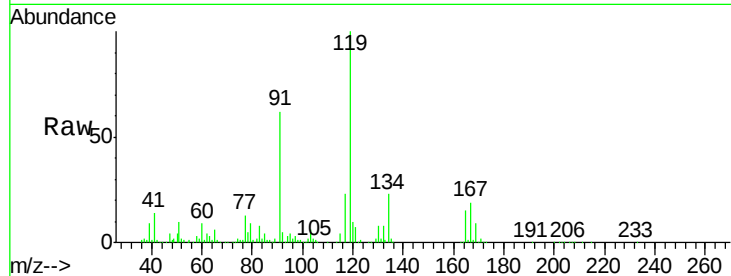
#83
 tert-Butylbenzene
 Concen: 51.59 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	694598		
91	61.8	30.4	91.3	
134	22.8	11.2	33.5	

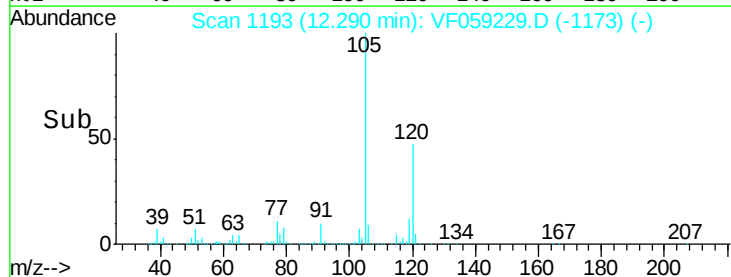
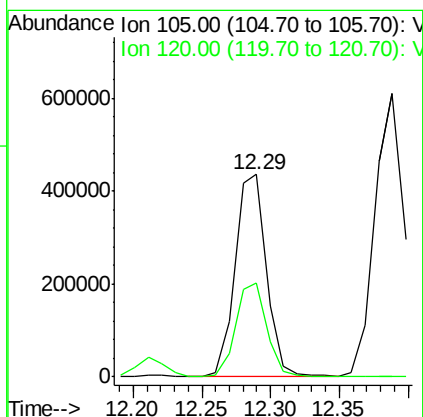
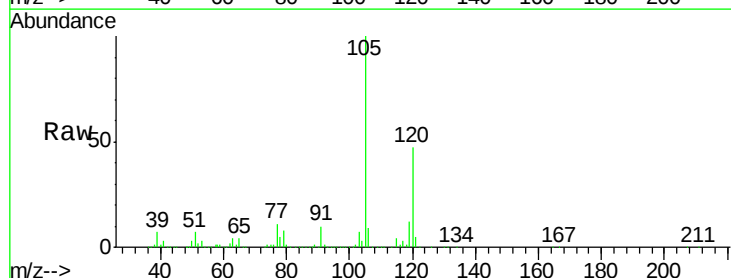
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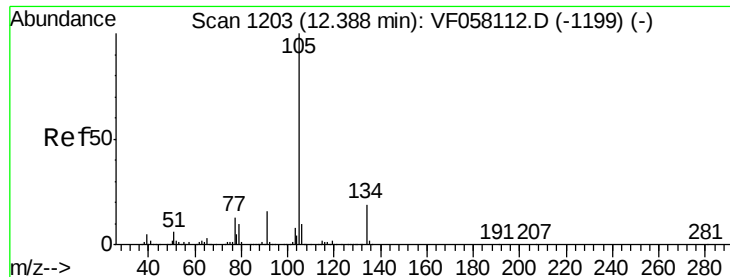
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.28 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	692351		
120	46.5	24.7	74.1	





#85

sec-Butylbenzene

Concen: 50.38 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 921601

Ion Ratio Lower Upper

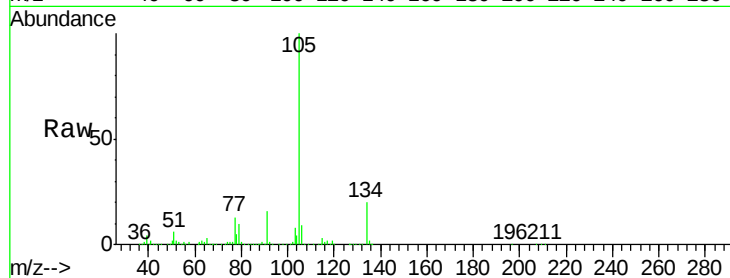
105 100

134 20.0 9.6 28.6

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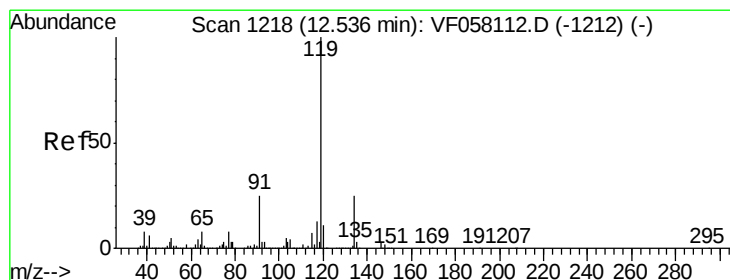
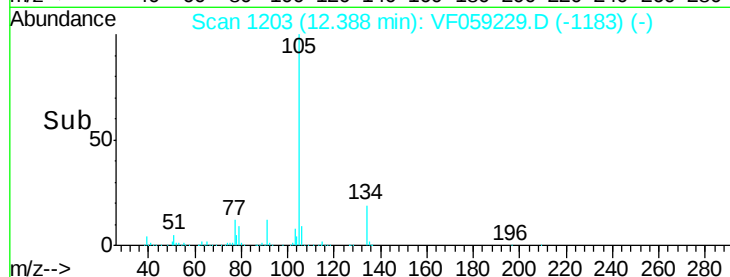
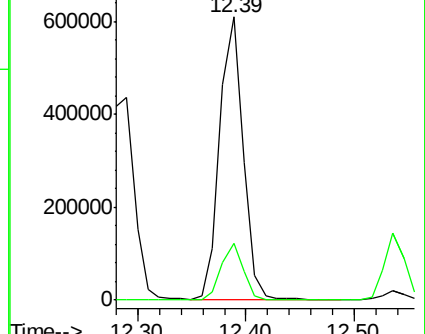
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.71 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

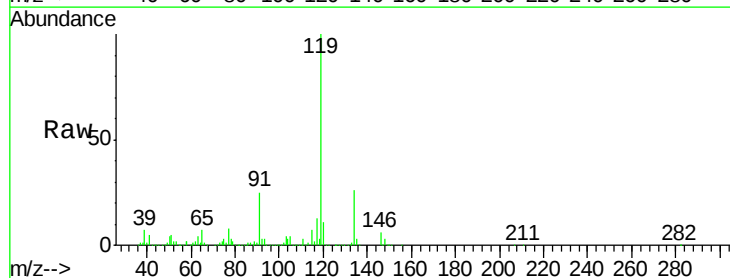
Tgt Ion:119 Resp: 761900

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

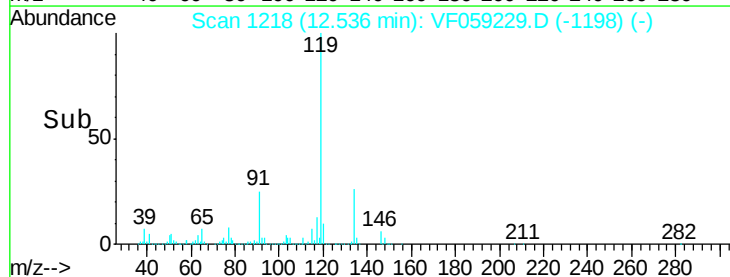
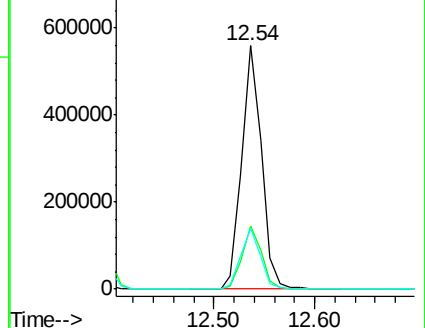
91 25.0 12.6 37.6

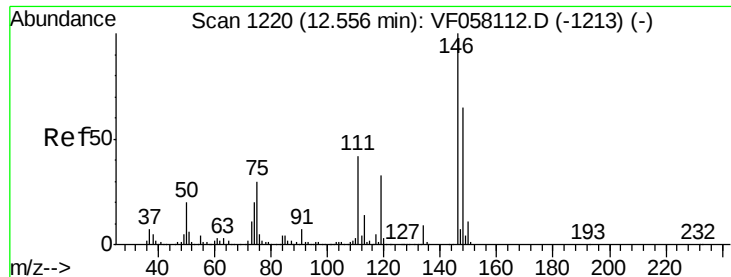


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





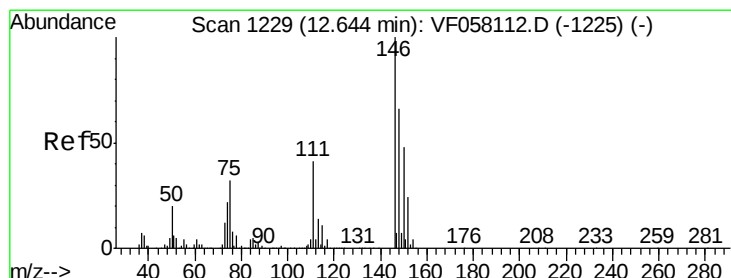
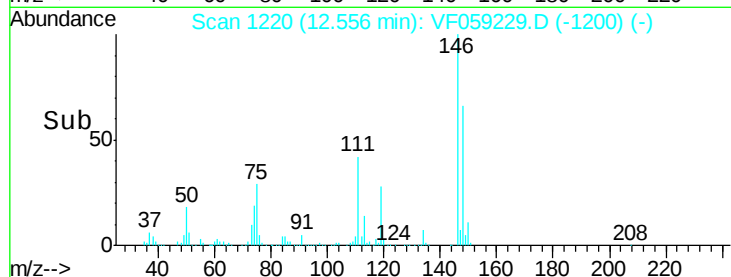
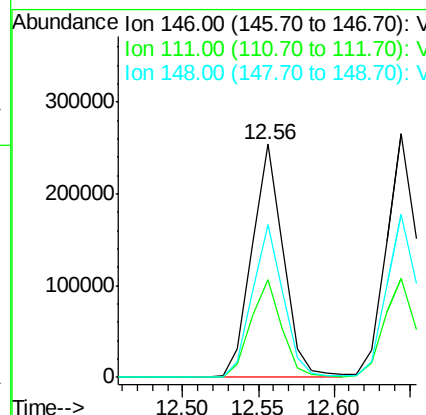
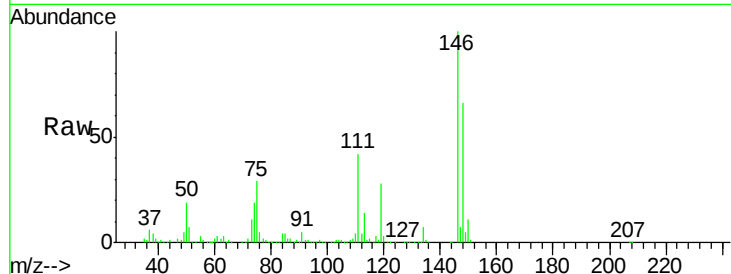
#87
 1,3-Dichlorobenzene
 Concen: 48.46 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	65.7	32.3	96.9

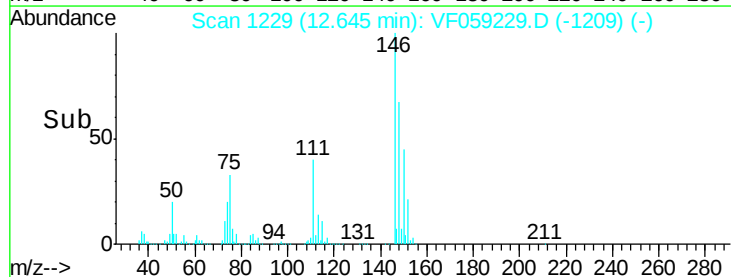
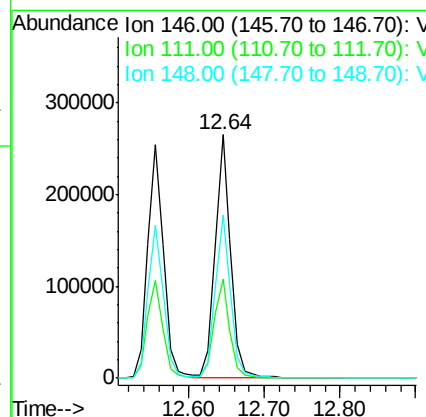
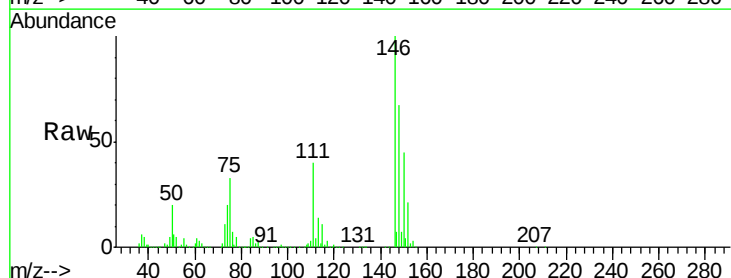
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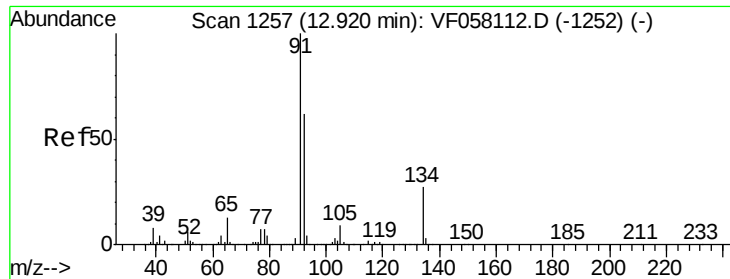
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#88
 1,4-Dichlorobenzene
 Concen: 52.58 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.2
148	67.2	33.0	99.0





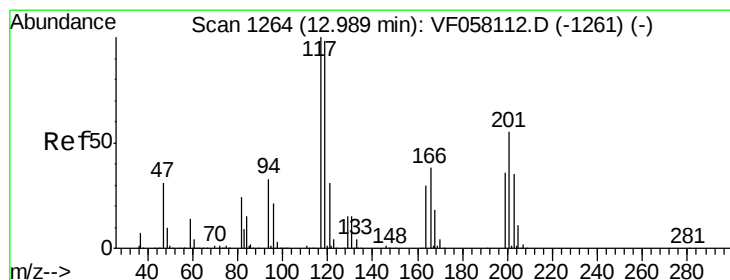
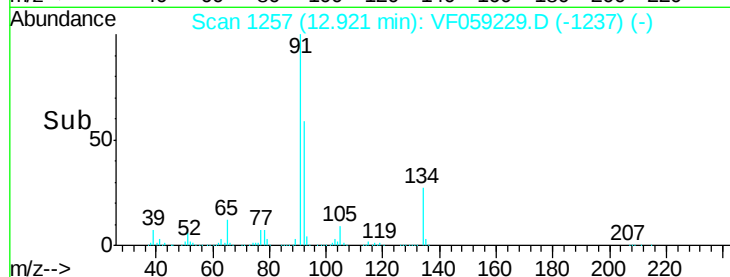
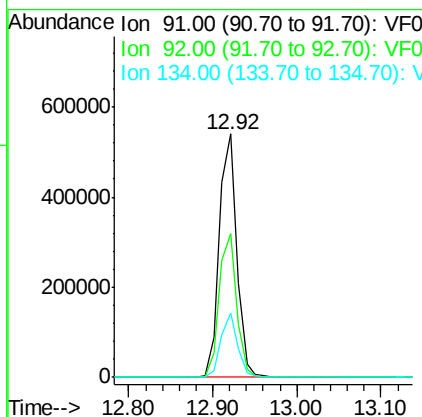
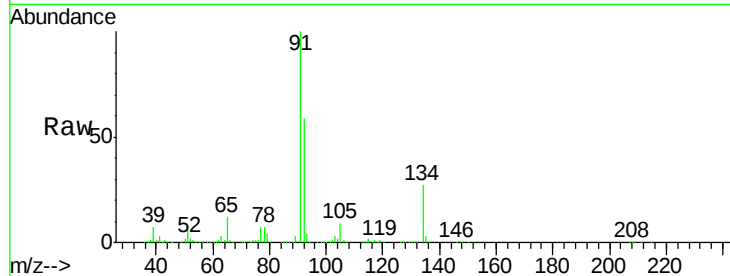
#89
n-Butylbenzene
Concen: 50.08 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	31.1	93.5
134	26.7	13.6	40.8

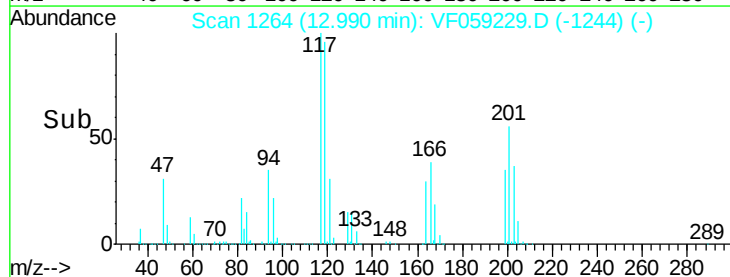
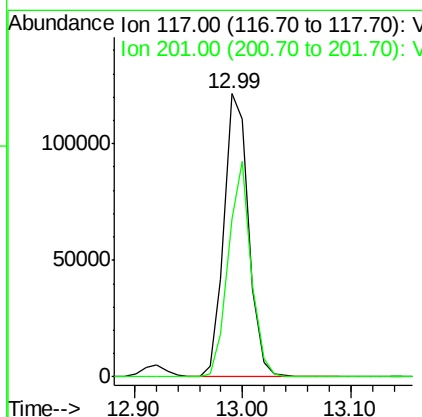
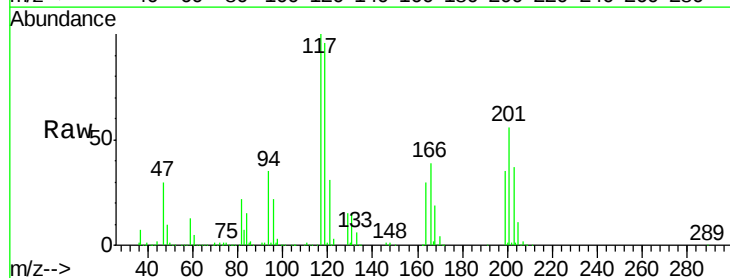
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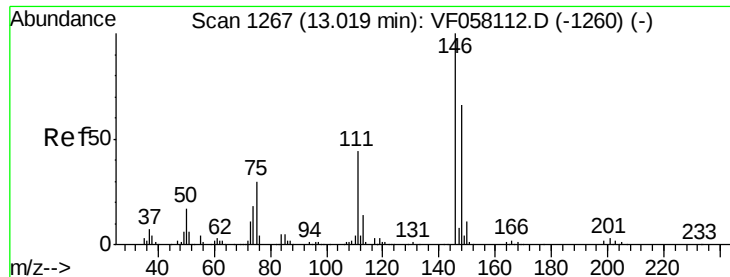
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#90
Hexachloroethane
Concen: 52.09 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.8	27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 52.83 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059229.D

Acq: 20 Jun 2018 15:39

Instrument :

MSVOA_F

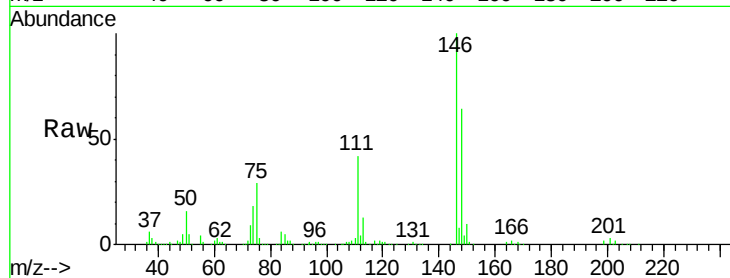
ClientSampleId :

VSTDCCC050

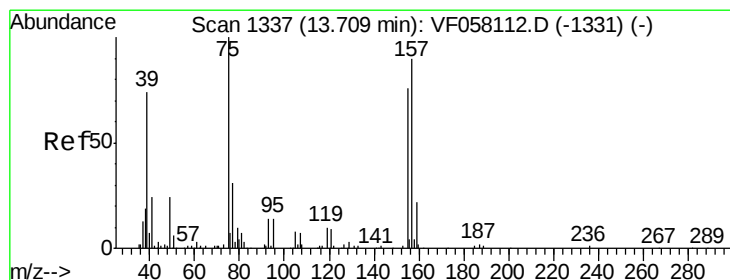
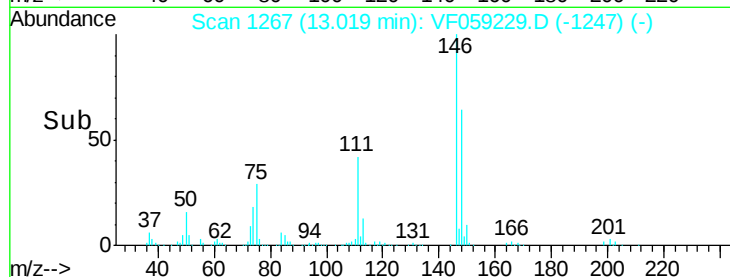
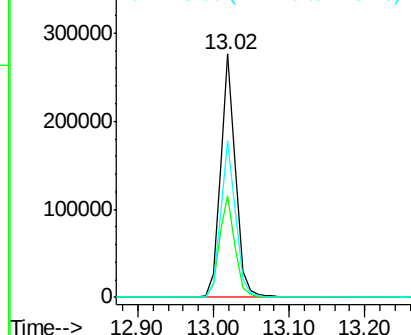
Tot Ion:	146	Resp:	387394
Ion Ratio	Lower	Upper	
146	100		
111	41.6	22.0	66.0
148	64.3	33.1	99.3

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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: 60.54 ug/l

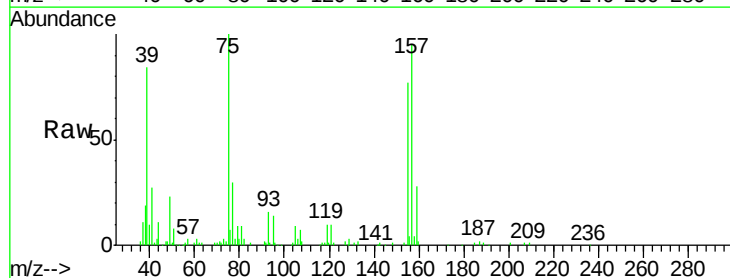
RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

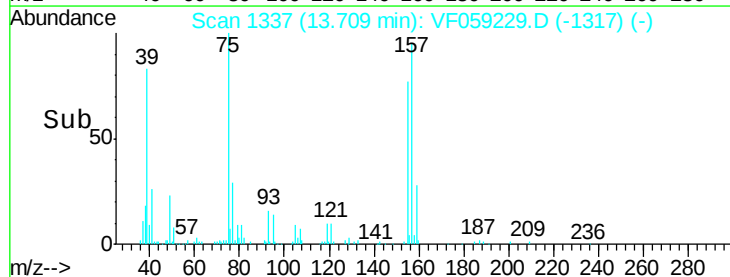
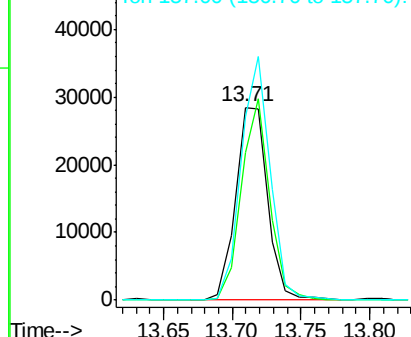
Lab File: VF059229.D

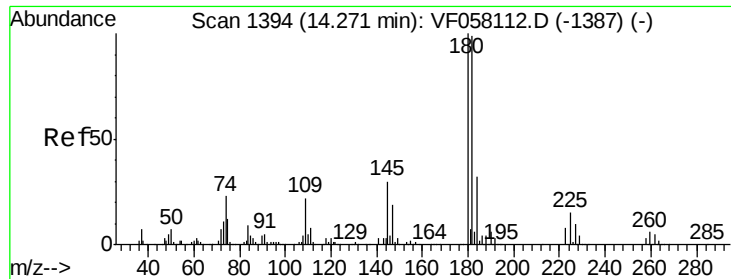
Acq: 20 Jun 2018 15:39

Tgt Ion:	75	Resp:	46122
Ion Ratio	Lower	Upper	
75	100		
155	76.5	38.0	114.0
157	95.3	45.1	135.5



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





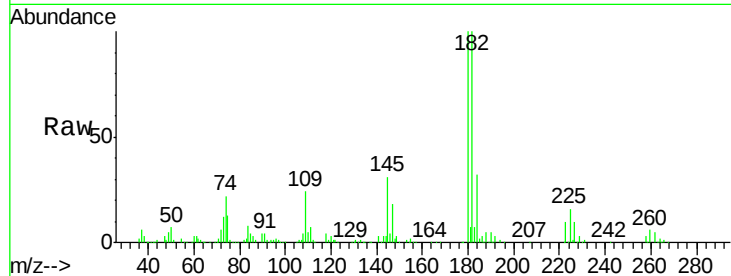
#93
 1,2,4-Trichlorobenzene
 Concen: 49.90 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

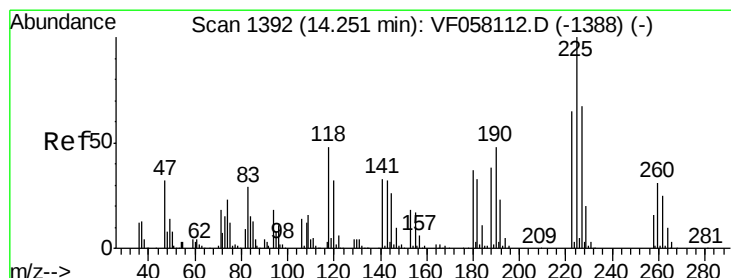
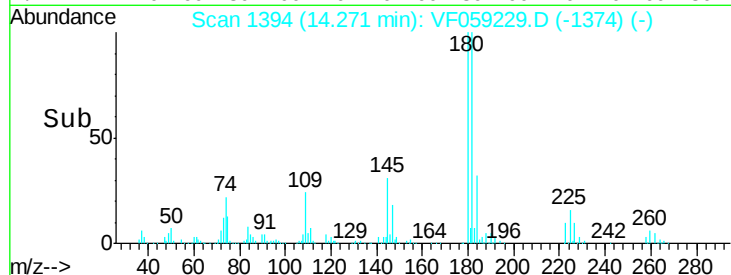
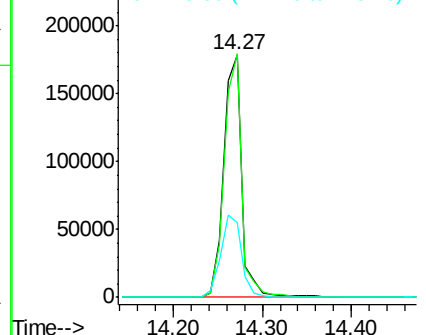
Tot Ion	Ratio	Resp	Lower	Upper
180	100	255968		
182	100.5	49.3	147.9	
145	30.7	14.9	44.9	

Manual Integrations
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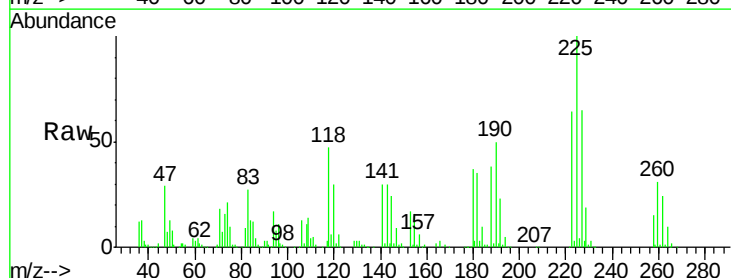


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

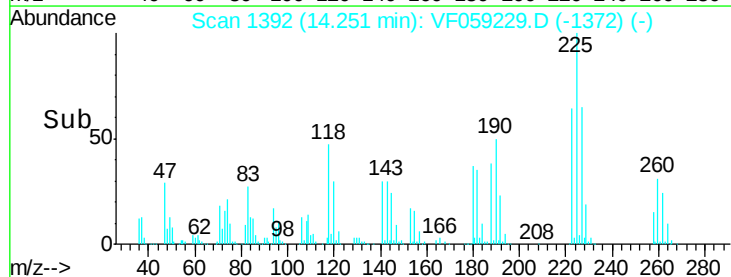
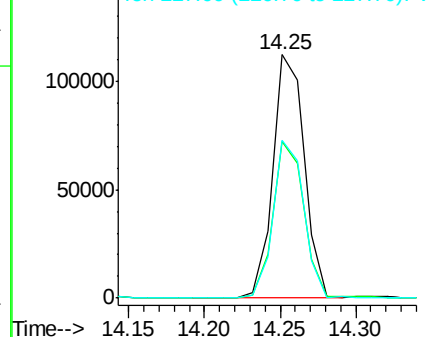


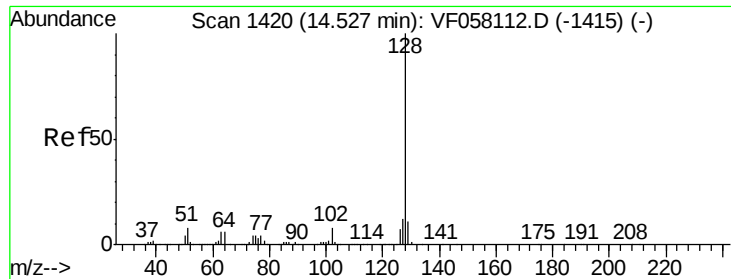
#94
 Hexachlorobutadiene
 Concen: 55.16 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059229.D
 Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163713		
223	64.1	32.8	98.3	
227	64.7	33.3	99.9	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





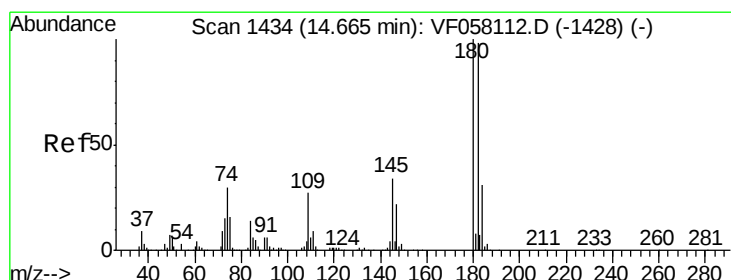
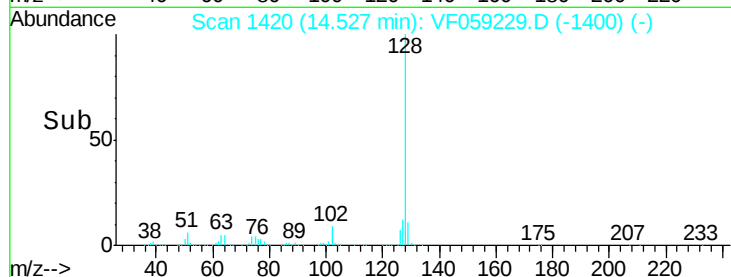
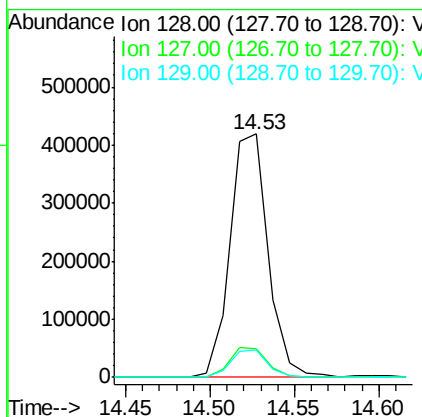
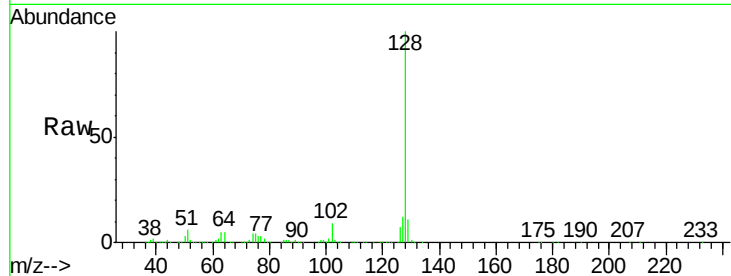
#95
Naphthalene
Concen: 60.07 ug/l m
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.9	14.9
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 59.14 ug/l m
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059229.D
Acq: 20 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.9	146.6
145	33.5	17.3	51.7

