

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059697.D
 Acq On : 30 Jul 2018 19:32
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 7/31/2018 12:13:16 PM

Quant Time: Jul 31 04:33:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	189069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	271142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	180723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	486752	163.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.82%	
35) Dibromofluoromethane	4.29	113	384882	148.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.64%	
50) Toluene-d8	7.70	98	905911	144.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.76%	
62) 4-Bromofluorobenzene	11.50	95	497086	146.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	296261	151.74	ug/l	99
3) Chloromethane	1.08	50	152939	138.56	ug/l	89
4) Vinyl Chloride	1.15	62	165773	141.88	ug/l	90
5) Bromomethane	1.33	94	135011	132.75	ug/l	97
6) Chloroethane	1.42	64	99223	136.11	ug/l #	85
7) Trichlorofluoromethane	1.53	101	450182m	128.13	ug/l	
8) Diethyl Ether	1.69	74	81163	163.06	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	245018	131.17	ug/l	99
10) Methyl Iodide	1.96	142	364183	133.21	ug/l	94
11) Tert butyl alcohol	2.69	59	103803	814.25	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	191472	138.55	ug/l	99
13) Acrolein	2.08	56	55060	975.84	ug/l	88
14) Allyl chloride	2.18	41	316229	139.89	ug/l	91
15) Acrylonitrile	3.06	53	169395	871.72	ug/l	92
16) Acetone	2.33	43	418261	773.01	ug/l	100
17) Carbon Disulfide	1.88	76	413163m	122.99	ug/l	
18) Methyl Acetate	2.44	43	131929	145.66	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	601069	155.63	ug/l	97
20) Methylene Chloride	2.27	84	177707m	89.18	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	188178	132.76	ug/l	92
22) Diisopropyl ether	2.92	45	687083	152.05	ug/l	94
23) Vinyl Acetate	3.32	43	1868923	834.29	ug/l	98
24) 1,1-Dichloroethane	2.98	63	457521	142.31	ug/l	97
25) 2-Butanone	4.50	43	459803	771.27	ug/l #	77
26) 2,2-Dichloropropane	3.74	77	323405	123.66	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	241986	145.55	ug/l	91
28) Bromochloromethane	3.87	49	165996	140.15	ug/l	89
29) Tetrahydrofuran	4.25	42	175466	733.29	ug/l	97
30) Chloroform	4.02	83	665423	146.52	ug/l	99
31) Cyclohexane	3.84	56	232263	125.73	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	491040	131.81	ug/l	98
36) 1,1-Dichloropropene	4.44	75	387401	131.73	ug/l	100
37) Ethyl Acetate	4.28	43	190384	148.40	ug/l #	80
38) Carbon Tetrachloride	4.16	117	569840m	132.06	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	291646	121.85	ug/l	92
40) Benzene	4.80	78	724114	138.62	ug/l	98
41) Methacrylonitrile	4.91	41	101294	160.34	ug/l #	88
42) 1,2-Dichloroethane	5.10	62	530873	156.19	ug/l	97
43) Isopropyl Acetate	7.10	43	244826	184.31	ug/l #	93
44) Trichloroethene	5.67	130	253009	125.06	ug/l	85
45) 1,2-Dichloropropane	6.40	63	192596	138.74	ug/l	95
46) Dibromomethane	6.24	93	194328	161.21	ug/l	91
47) Bromodichloromethane	6.53	83	521951	147.78	ug/l	96
48) Methyl methacrylate	6.86	41	187248	179.60	ug/l	98
49) 1,4-Dioxane	6.85	88	28733	3453.56	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	855753	800.53	ug/l	97
52) Toluene	7.77	92	536075	138.16	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	443184	156.88	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	449914	153.49	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	216613	168.09	ug/l	93
56) Ethyl methacrylate	8.75	69	241180	176.54	ug/l	96
57) 1,3-Dichloropropane	8.99	76	368548	165.38	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	119071	721.85	ug/l	100
59) 2-Hexanone	9.62	43	676042	852.57	ug/l	96
60) Dibromochloromethane	8.86	129	395196	169.99	ug/l	100
61) 1,2-Dibromoethane	9.13	107	259495	166.52	ug/l	93
64) Tetrachloroethene	8.30	164	265563	119.73	ug/l	96
65) Chlorobenzene	9.93	112	722057	133.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	351358	141.15	ug/l	99
67) Ethyl Benzene	10.03	91	1245354	126.98	ug/l	97
68) m/p-Xylenes	10.26	106	853150	251.37	ug/l	95
69) o-Xylene	10.82	106	479781	130.90	ug/l	92
70) Styrene	10.90	104	706918	132.62	ug/l	98
71) Bromoform	10.88	173	237618	154.81	ug/l #	95
73) Isopropylbenzene	11.23	105	1496065	121.28	ug/l	98
74) N-amyl acetate	11.46	43	395960	156.62	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	295447	145.85	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	251709	151.30	ug/l	96
77) Bromobenzene	11.59	156	386909	129.22	ug/l #	61
78) n-propylbenzene	11.69	91	1679723	118.19	ug/l	94
79) 2-Chlorotoluene	11.81	91	1065464	123.19	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	1305753	120.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	113888m	131.84	ug/l	
82) 4-Chlorotoluene	11.98	91	1156516	126.90	ug/l	98
83) tert-Butylbenzene	12.21	119	1288261	117.73	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1329798	119.53	ug/l	98
85) sec-Butylbenzene	12.39	105	1648829	114.53	ug/l	96
86) p-Isopropyltoluene	12.54	119	1431776	115.66	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	694450	118.94	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	719953	129.43	ug/l	97
89) n-Butylbenzene	12.91	91	1348260	112.62	ug/l	98
90) Hexachloroethane	12.99	117	385328	122.28	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	699168	128.80	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	82227	166.90	ug/l	89

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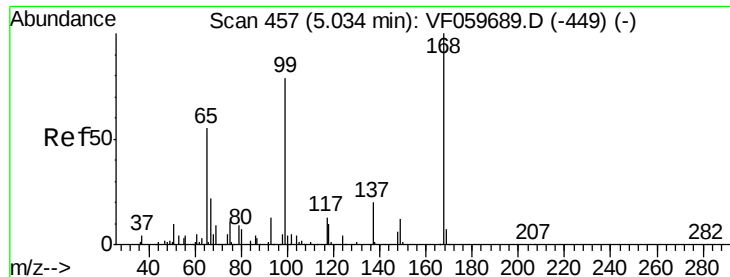
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	547616	125.88	ug/l	96
94) Hexachlorobutadiene	14.25	225	376841	117.74	ug/l	97
95) Naphthalene	14.52	128	1100450	158.75	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	553404	139.94	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 189069

Ion Ratio Lower Upper

168 100

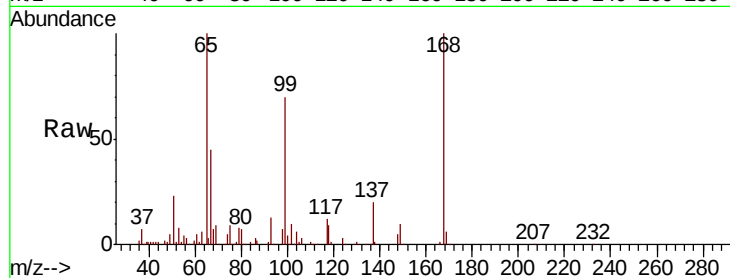
99 69.6 63.3 94.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

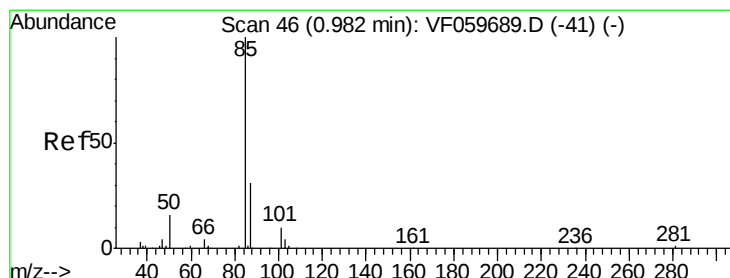
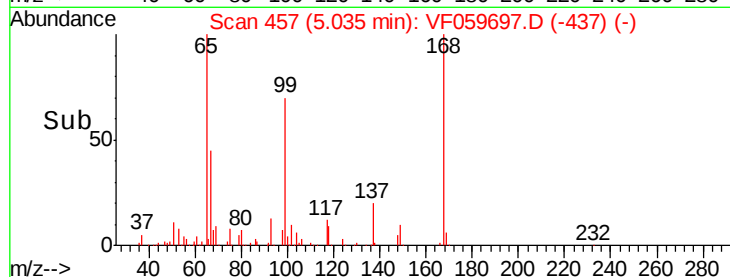
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 151.74 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059697.D

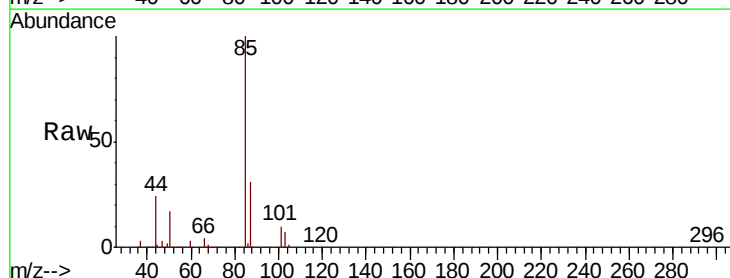
Acq: 30 Jul 2018 19:32

Tgt Ion: 85 Resp: 296261

Ion Ratio Lower Upper

85 100

87 30.8 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

100000

80000

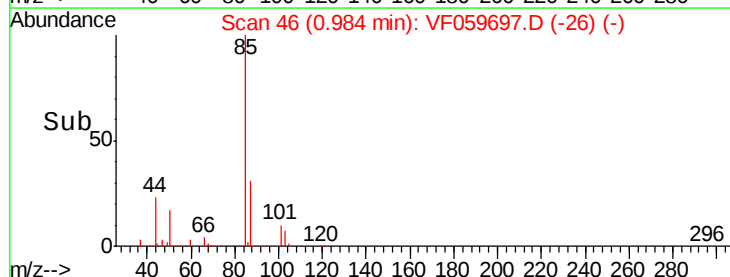
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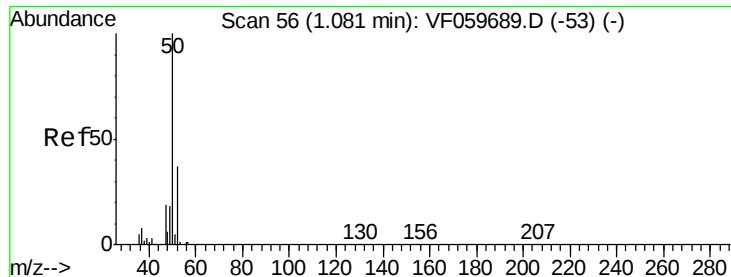
40000

20000

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Time-->





#3

Chloromethane

Concen: 138.56 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 152939

Ion Ratio Lower Upper

50 100

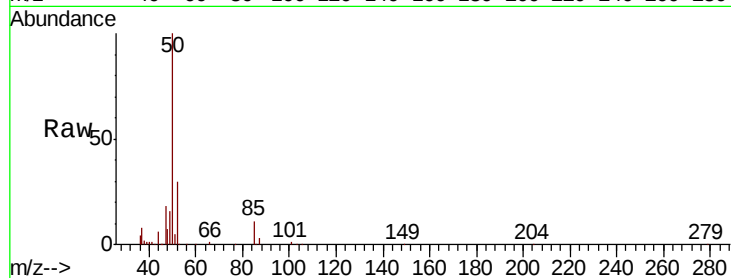
52 29.7 29.1 43.7

Manual Integrations

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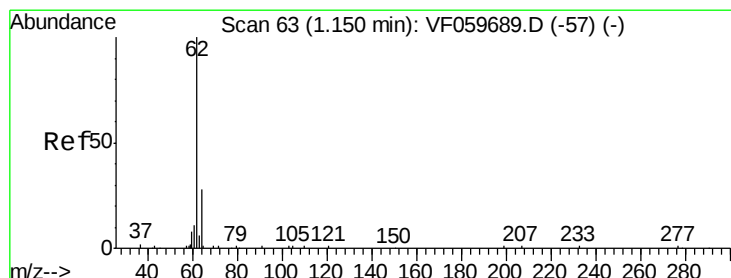
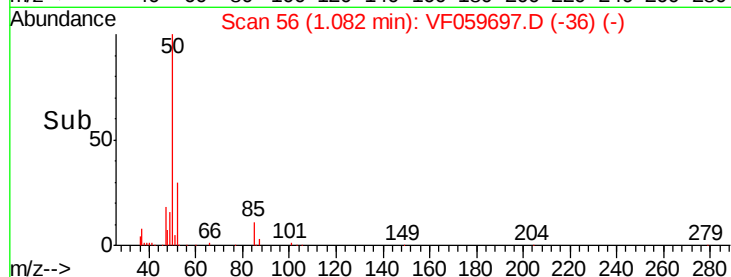
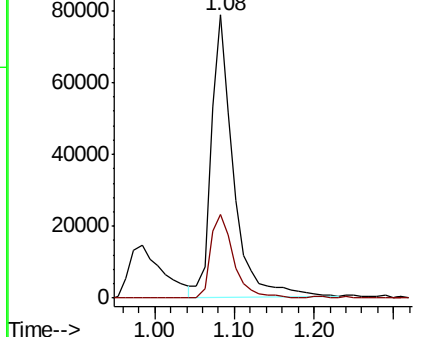
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 141.88 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059697.D

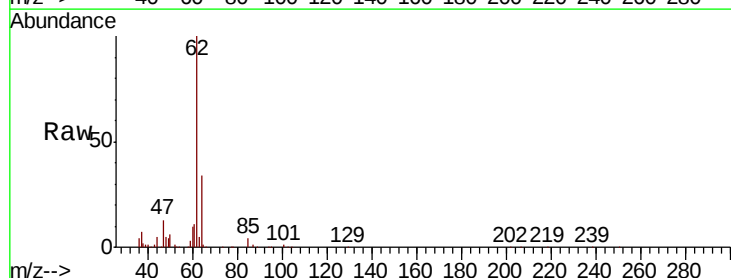
Acq: 30 Jul 2018 19:32

Tgt Ion: 62 Resp: 165773

Ion Ratio Lower Upper

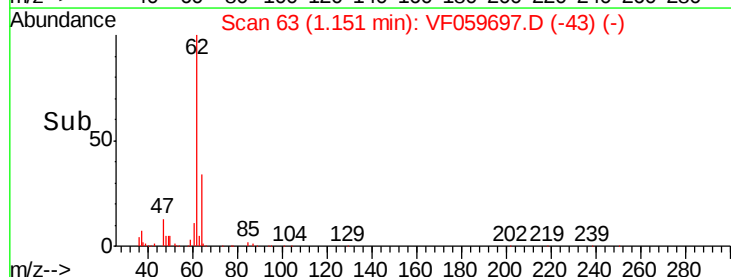
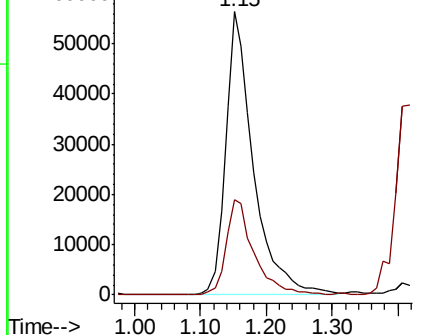
62 100

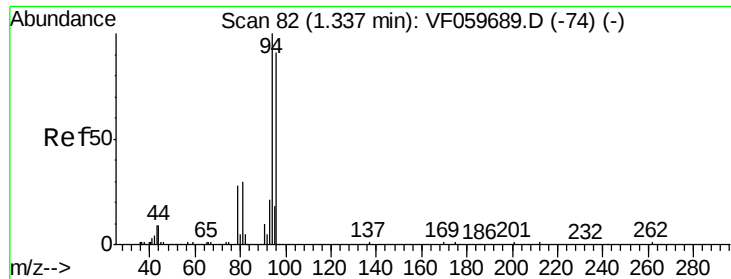
64 33.6 22.6 33.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 132.75 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

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MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 135011

Ion Ratio Lower Upper

94 100

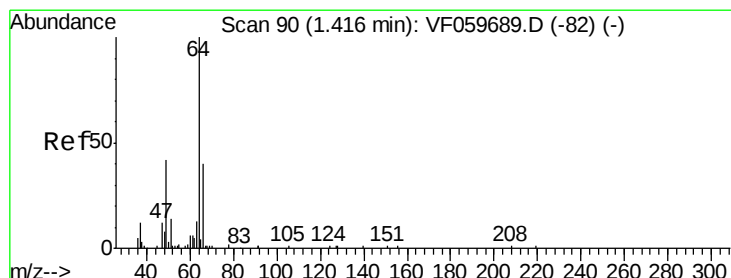
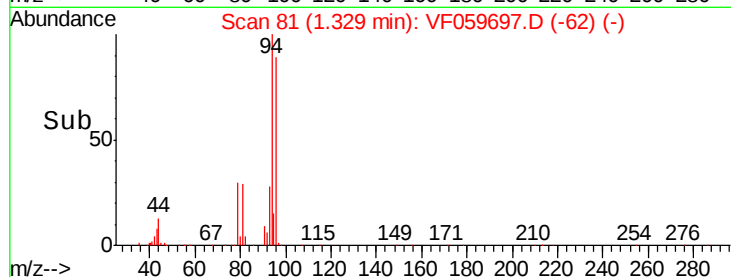
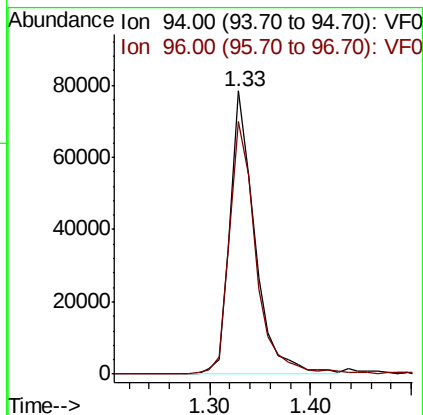
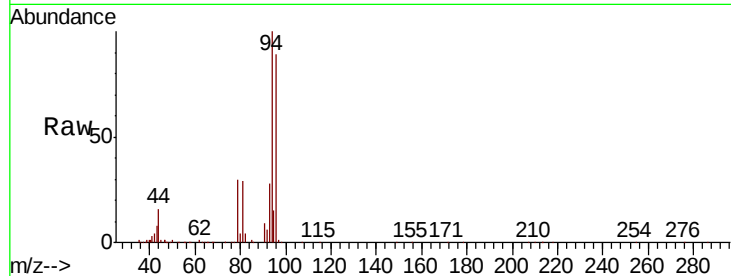
96 89.1 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 136.11 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059697.D

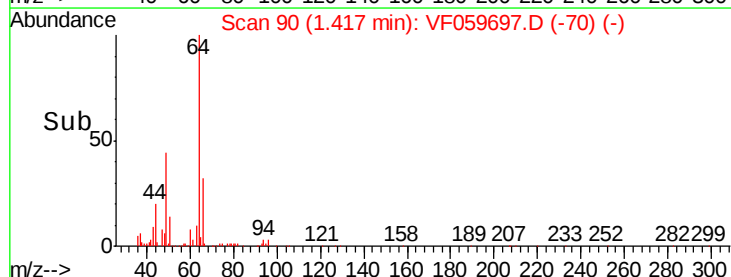
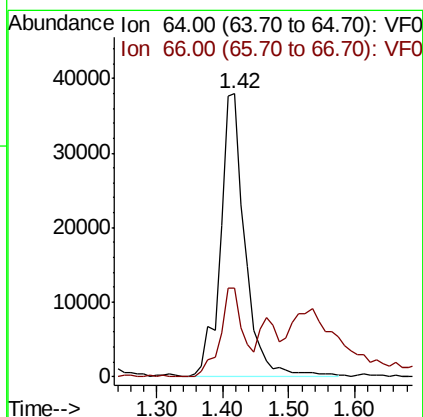
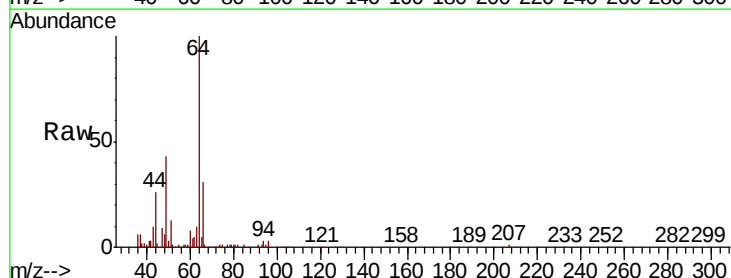
Acq: 30 Jul 2018 19:32

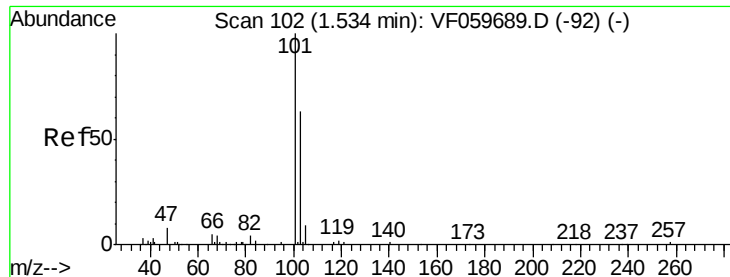
Tgt Ion: 64 Resp: 99223

Ion Ratio Lower Upper

64 100

66 31.4 32.6 49.0#





#7

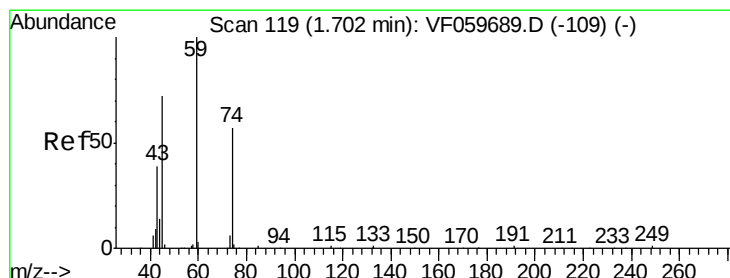
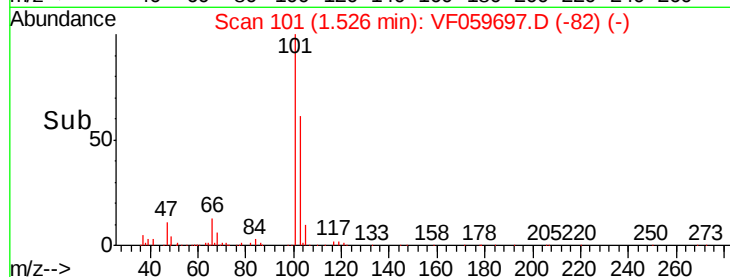
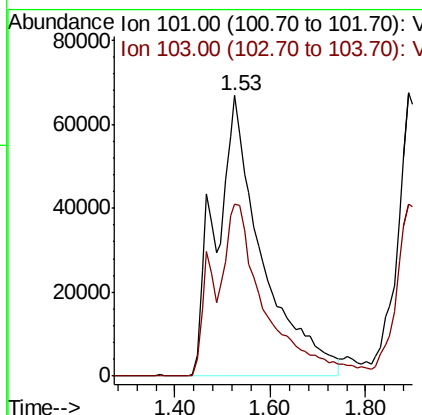
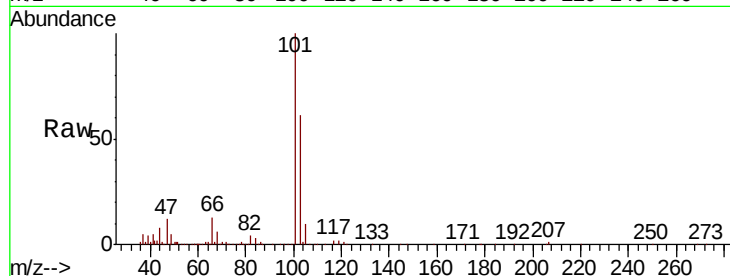
Trichlorofluoromethane
Concen: 128.13 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059697.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	50.8	76.2

Manual Integrations
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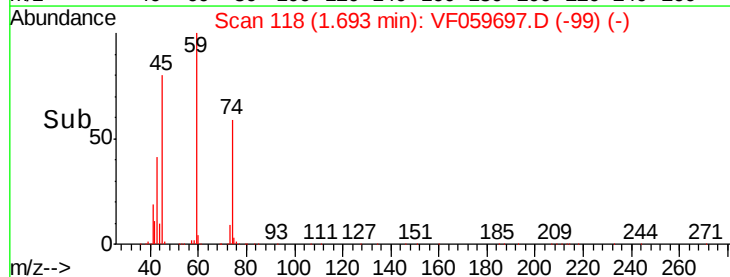
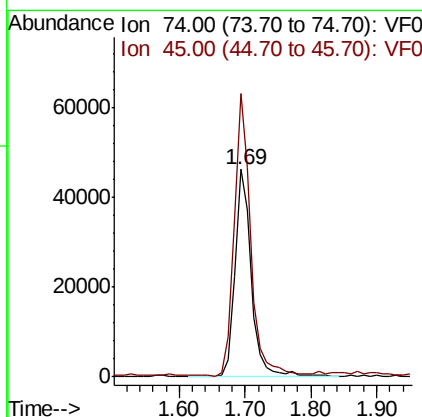
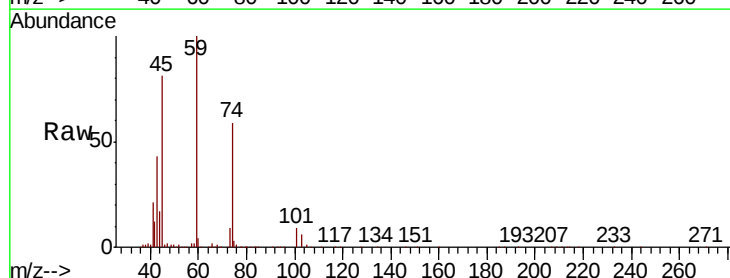
apatel
7/31/2018 12:13:16 PM

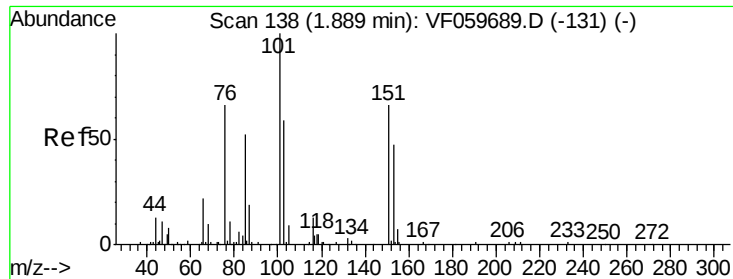


#8

Diethyl Ether
Concen: 163.06 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.5	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.17 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

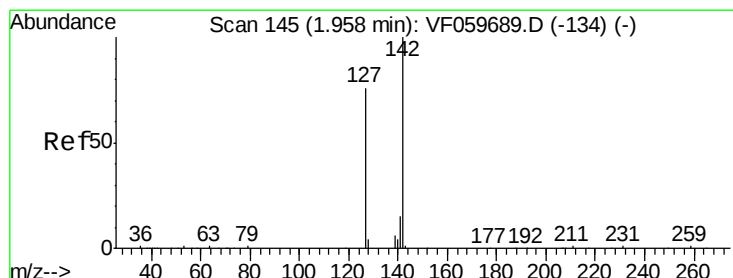
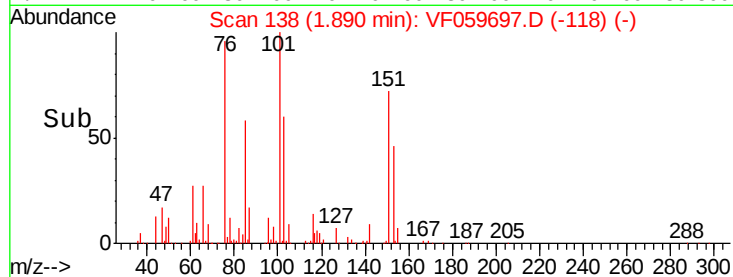
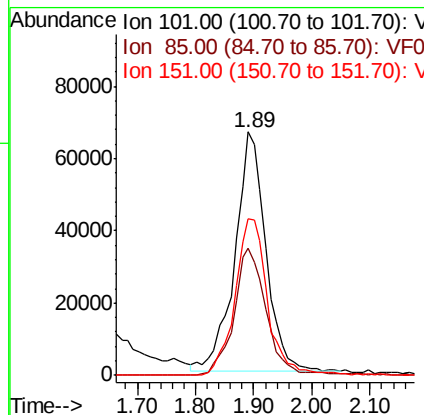
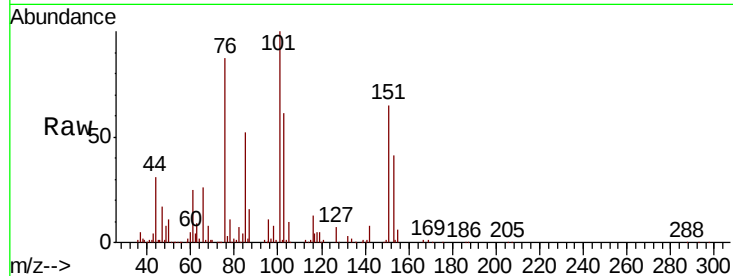
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	245018
Ion Ratio	Lower	Upper	
101	100		
85	52.2	40.7	61.1
151	64.6	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 133.21 ug/l

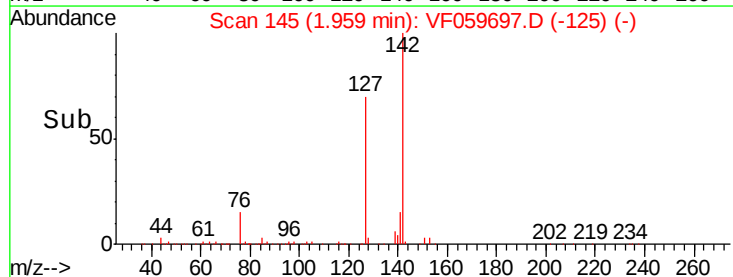
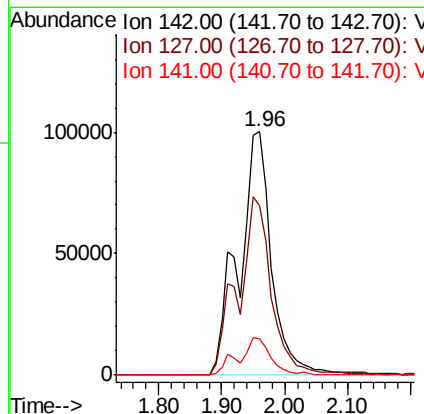
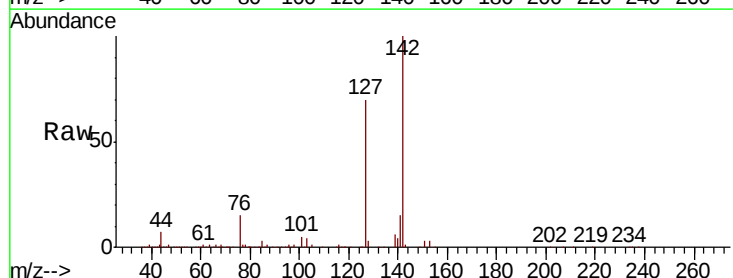
RT: 1.96 min Scan# 145

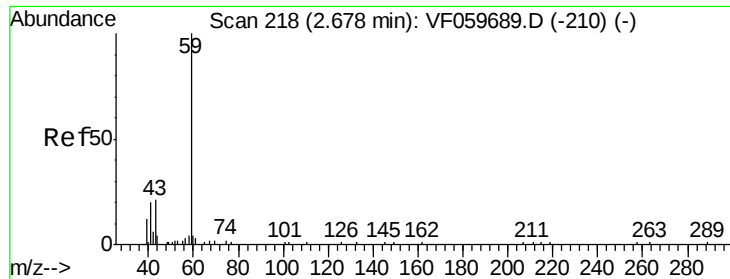
Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	142	Resp:	364183
Ion Ratio	Lower	Upper	
142	100		
127	69.7	60.6	91.0
141	15.0	12.0	18.0





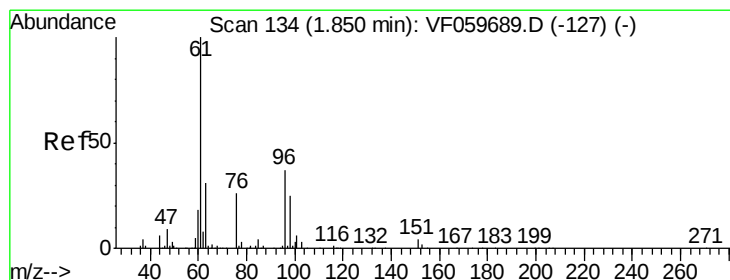
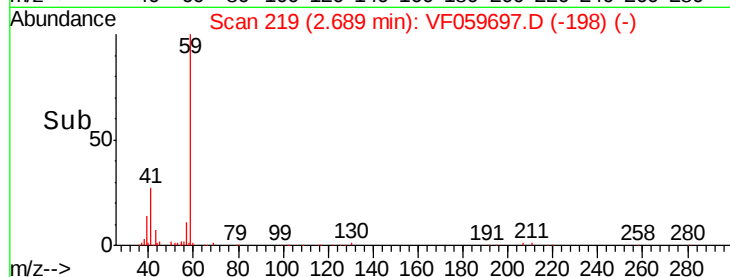
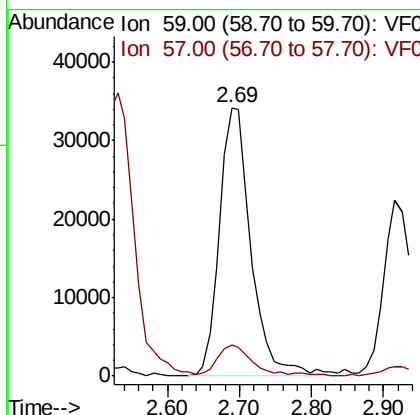
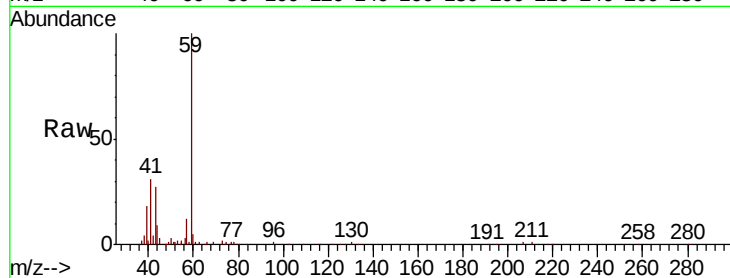
#11
Tert butyl alcohol
Concen: 814.25 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 103803
Ion Ratio Lower Upper
59 100
57 11.7 7.6 11.4#

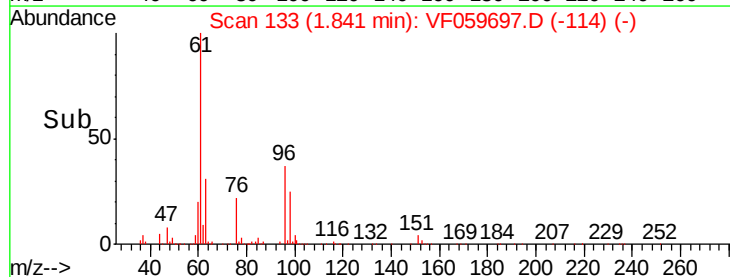
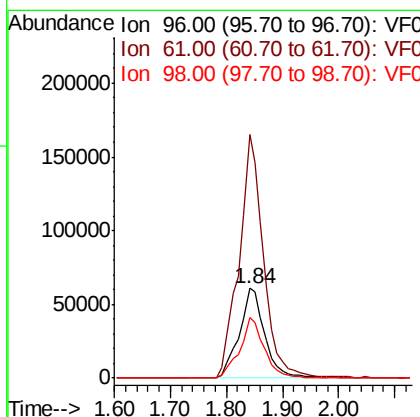
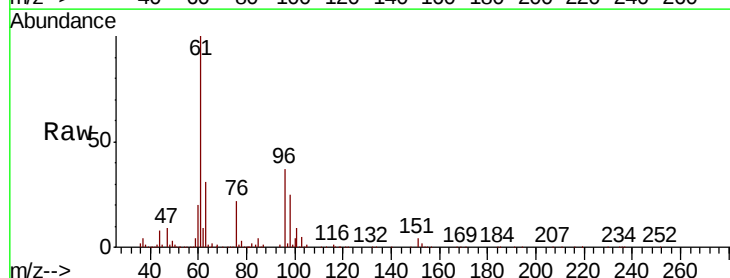
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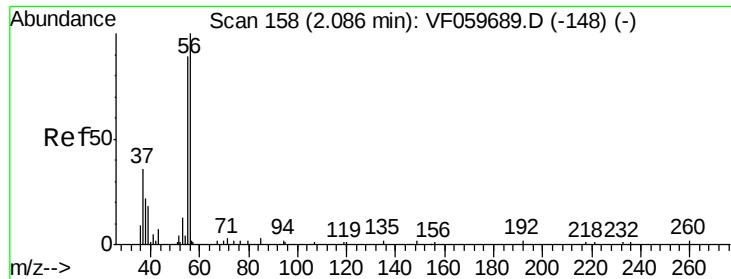
apatel
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#12
1,1-Dichloroethene
Concen: 138.55 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 96 Resp: 191472
Ion Ratio Lower Upper
96 100
61 271.4 215.1 322.7
98 68.2 54.3 81.5





#13

Acrolein

Concen: 975.84 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 55060

Ion Ratio Lower Upper

56 100

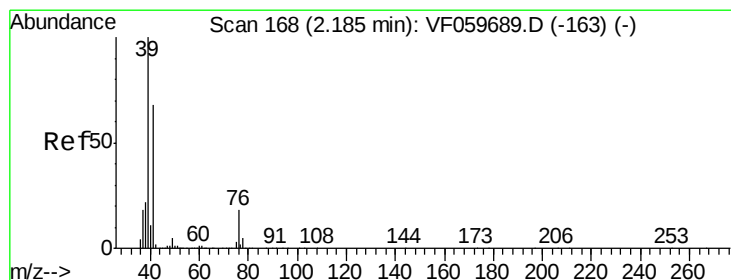
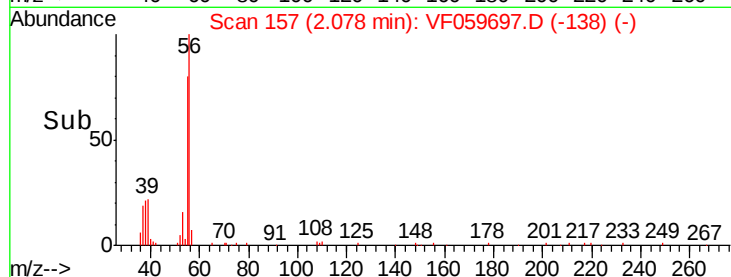
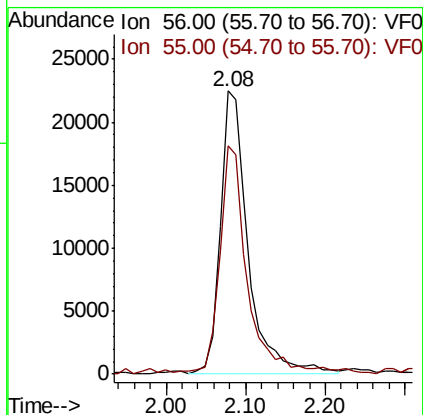
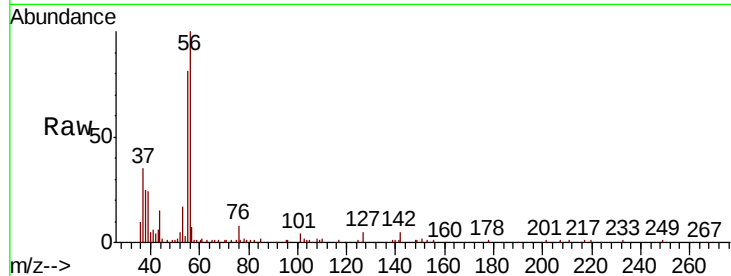
55 80.5 73.2 109.8

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#14

Allyl chloride

Concen: 139.89 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

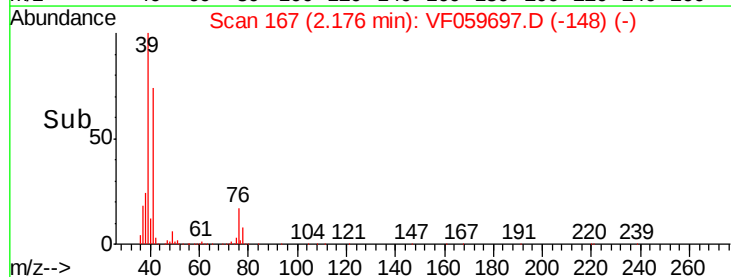
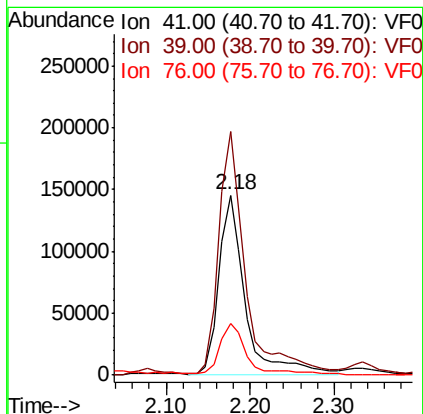
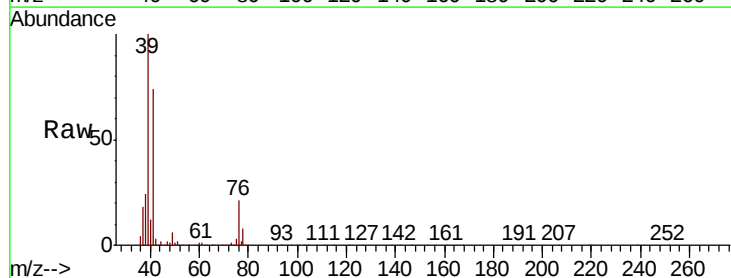
Tgt Ion: 41 Resp: 316229

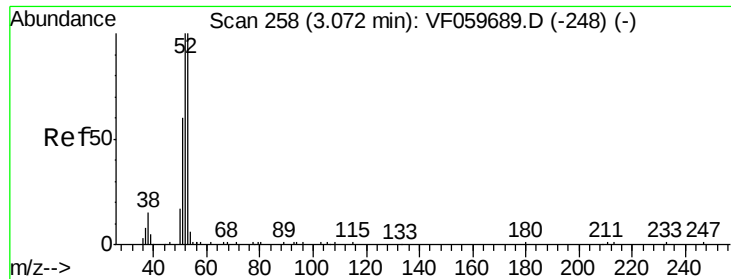
Ion Ratio Lower Upper

41 100

39 135.4 118.1 177.1

76 28.9 22.0 33.0





#15

Acrylonitrile

Concen: 871.72 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

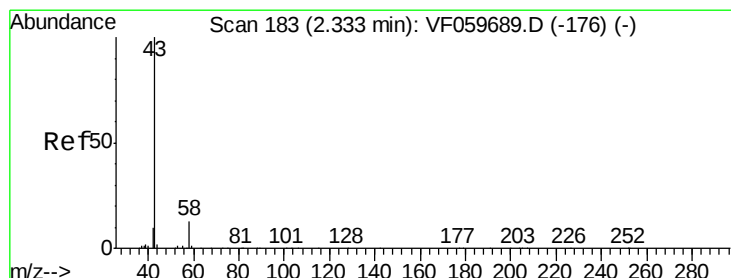
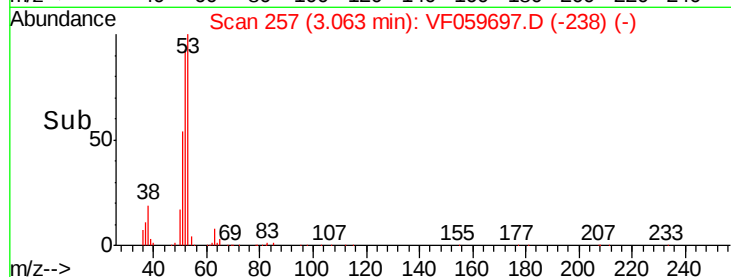
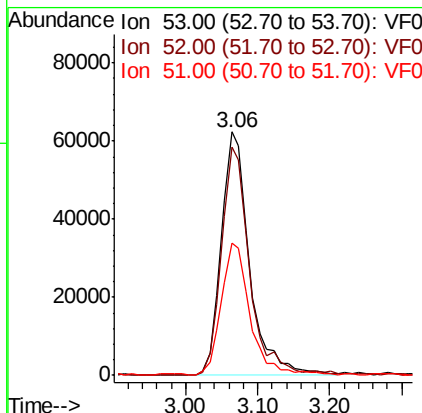
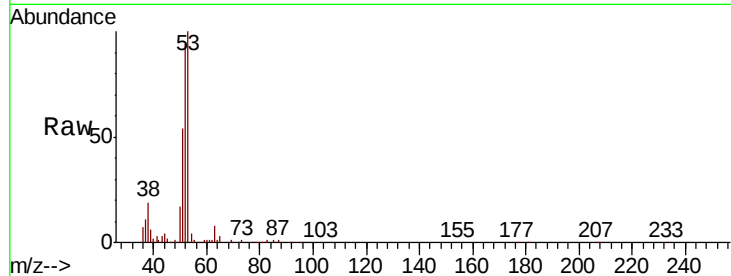
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	169395
Ion Ratio		Lower	Upper
53	100		
52	93.6	80.3	120.5
51	54.5	49.4	74.0

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#16

Acetone

Concen: 773.01 ug/l

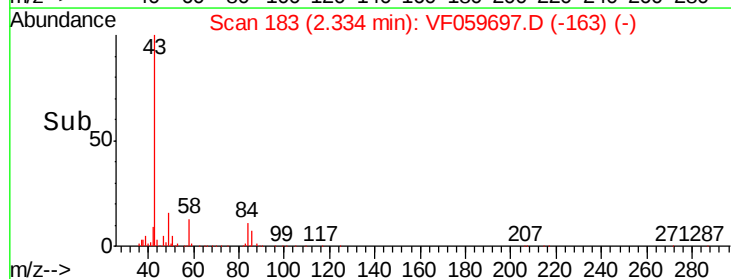
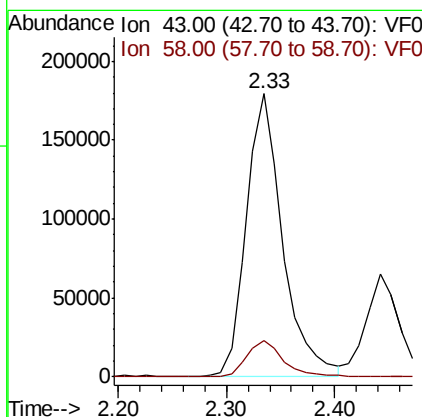
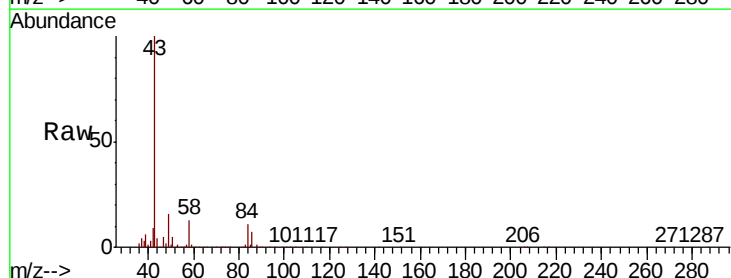
RT: 2.33 min Scan# 183

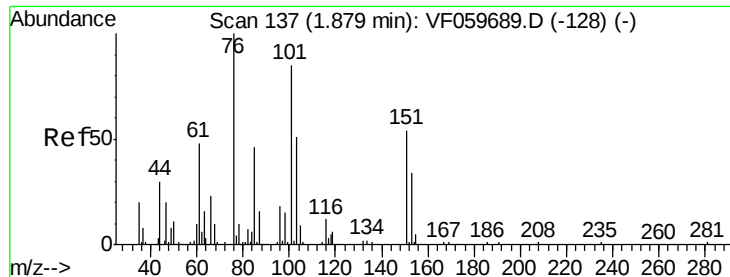
Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	43	Resp:	418261
Ion Ratio		Lower	Upper
43	100		
58	12.7	10.1	15.1





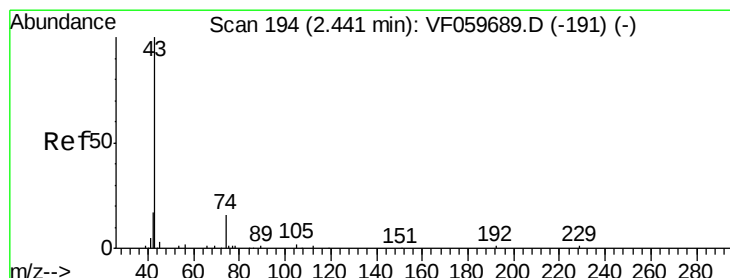
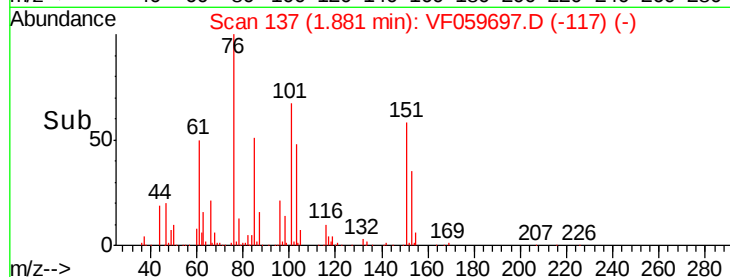
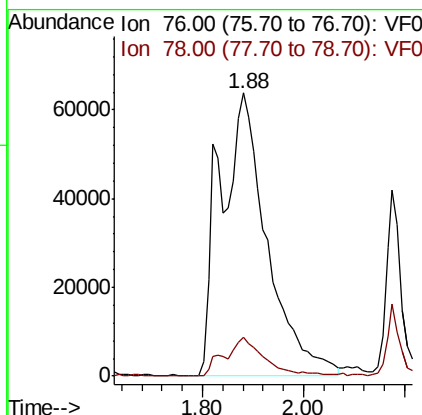
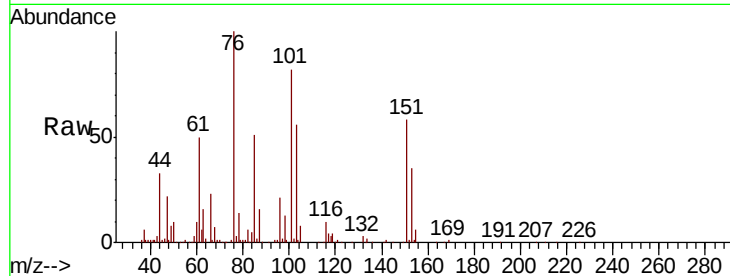
#17
Carbon Disulfide
Concen: 122.99 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 413163
Ion Ratio Lower Upper
76 100
78 13.6 8.9 13.3#

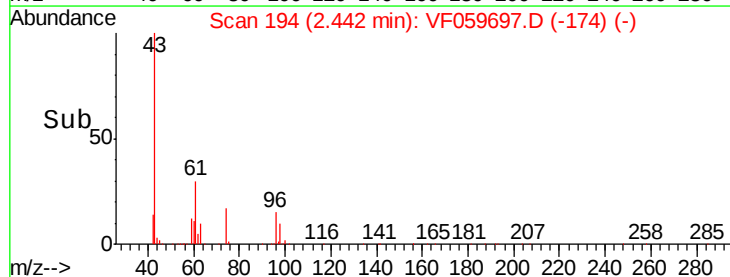
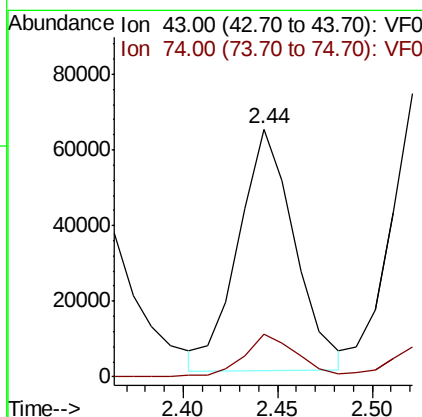
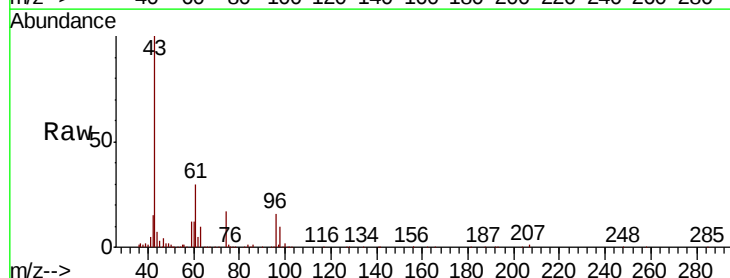
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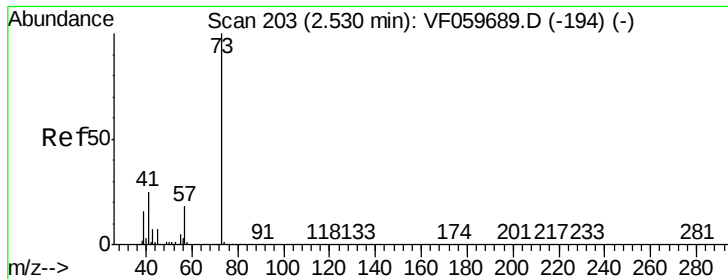
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#18
Methyl Acetate
Concen: 145.66 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 43 Resp: 131929
Ion Ratio Lower Upper
43 100
74 17.2 11.8 17.6





#19

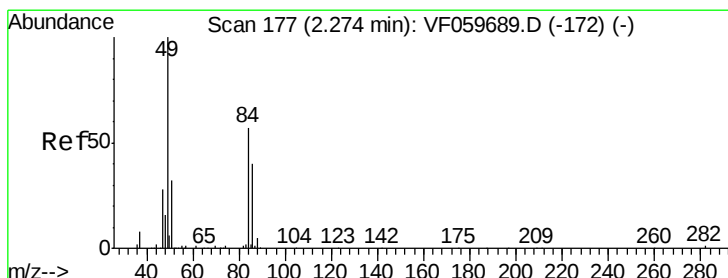
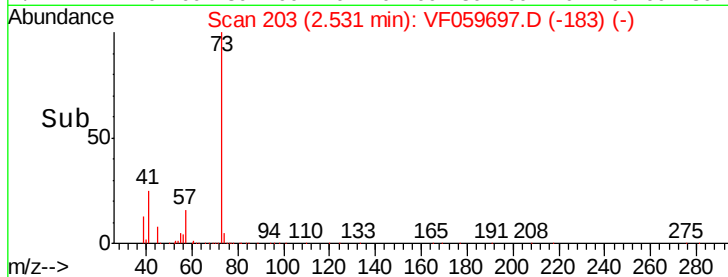
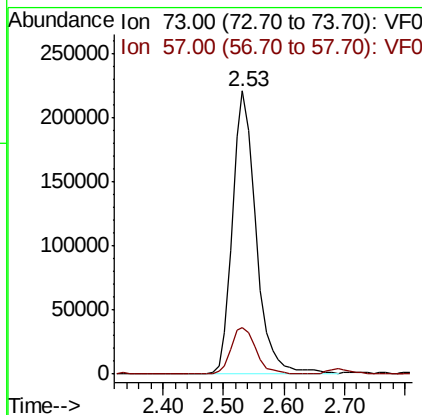
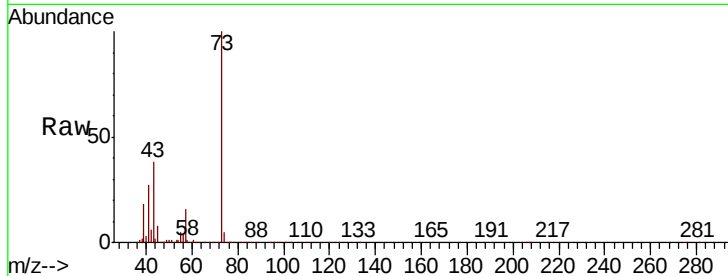
Methyl tert-butyl Ether
 Concen: 155.63 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.3	14.2	21.2

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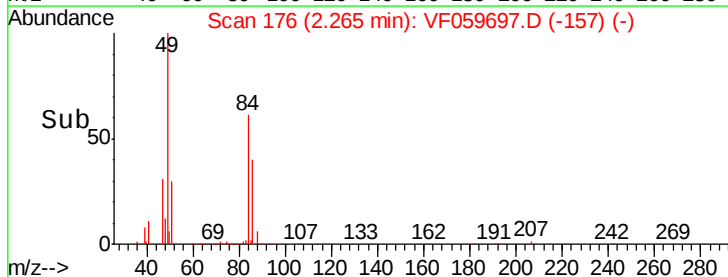
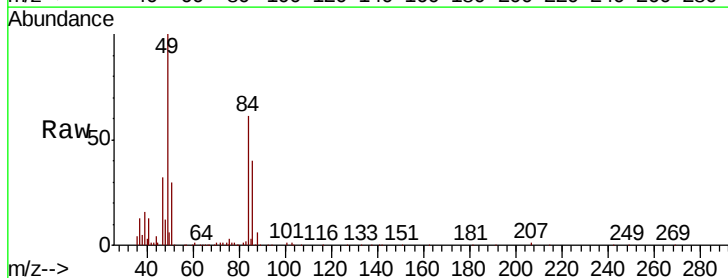
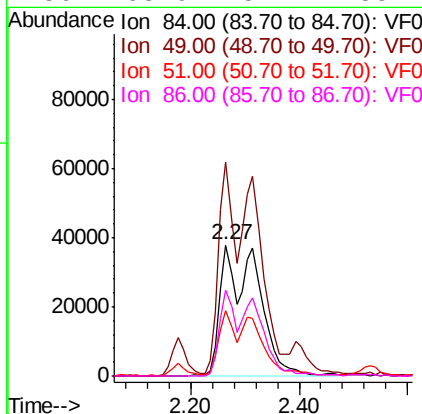
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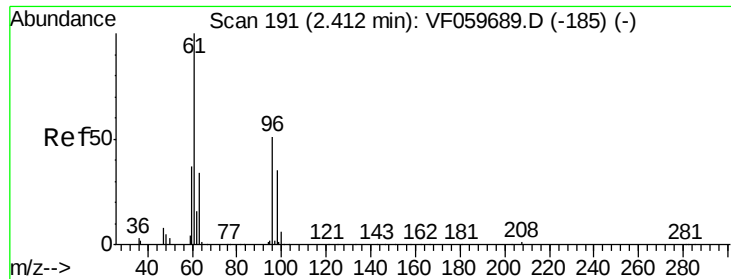


#20

Methylene Chloride
 Concen: 89.18 ug/l m
 RT: 2.27 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.3	142.2	213.4
51	49.8	46.2	69.2
86	65.9	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 132.76 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

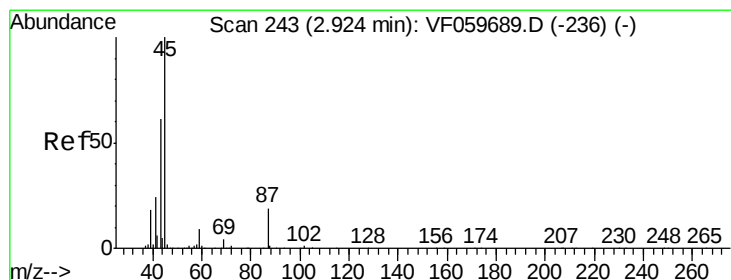
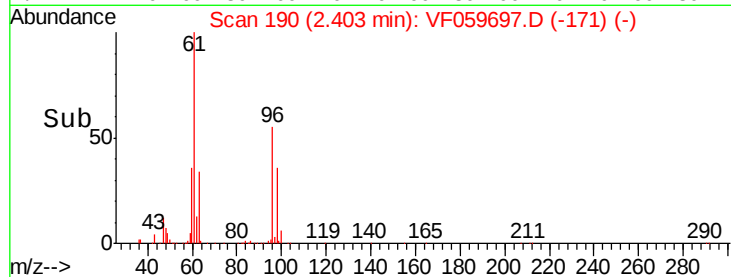
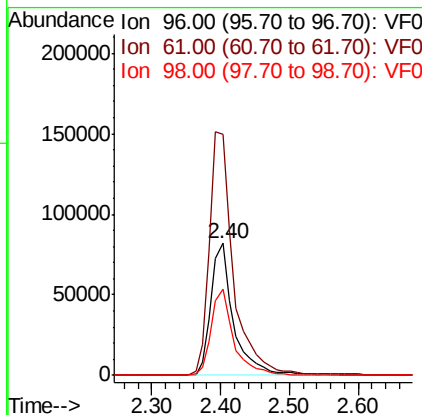
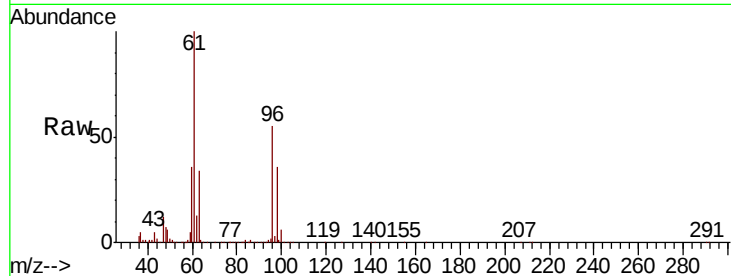
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	188178
Ion Ratio	Lower	Upper	
96	100		
61	183.0	157.4	236.0
98	65.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 152.05 ug/l

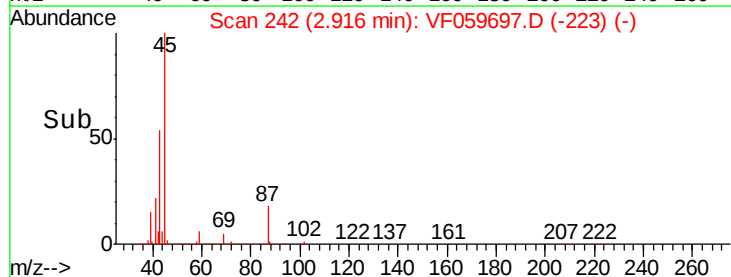
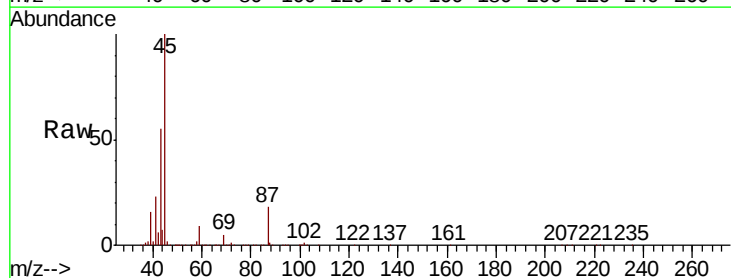
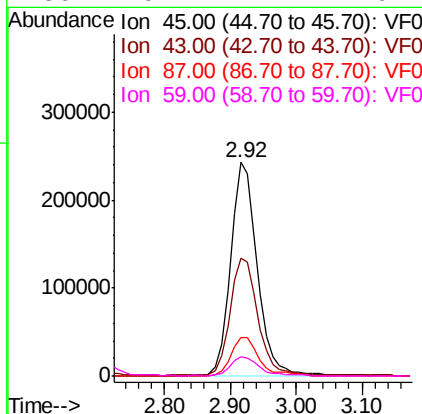
RT: 2.92 min Scan# 242

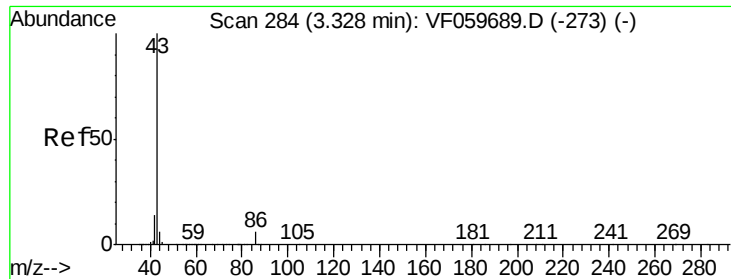
Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	45	Resp:	687083
Ion Ratio	Lower	Upper	
45	100		
43	55.2	49.3	73.9
87	18.1	15.3	22.9
59	9.2	7.1	10.7





#23

Vinyl Acetate

Concen: 834.29 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1868923

Ion Ratio Lower Upper

43 100

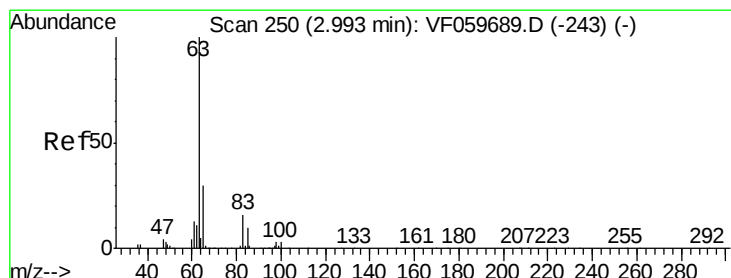
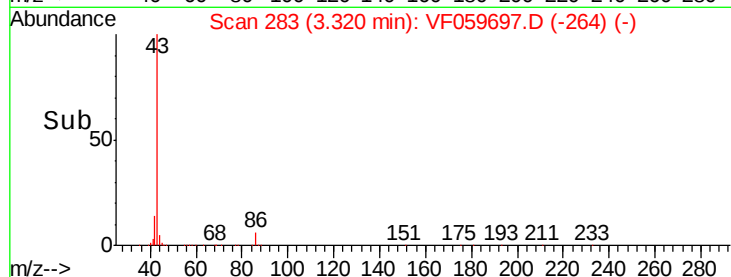
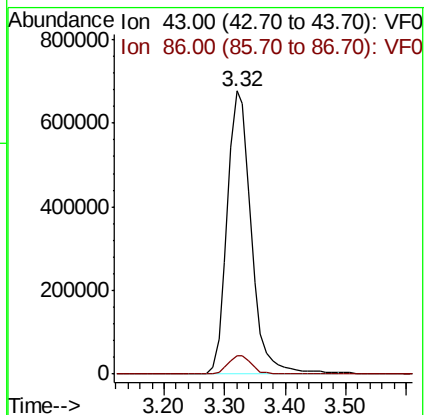
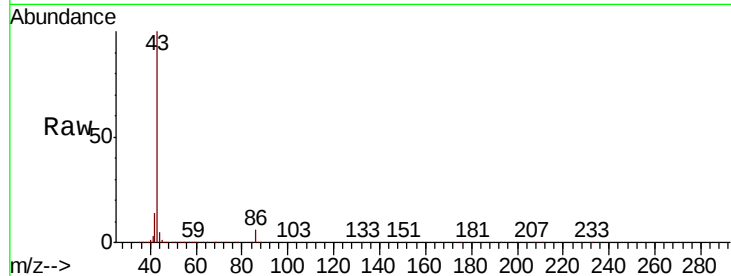
86 6.3 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 142.31 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

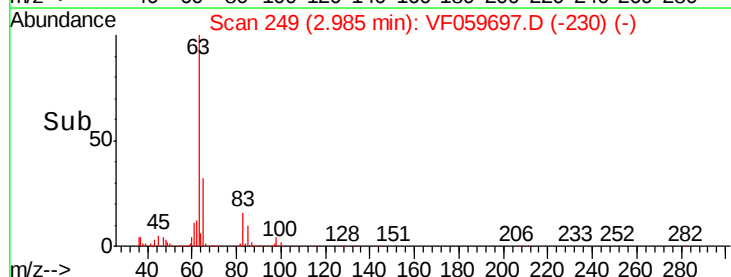
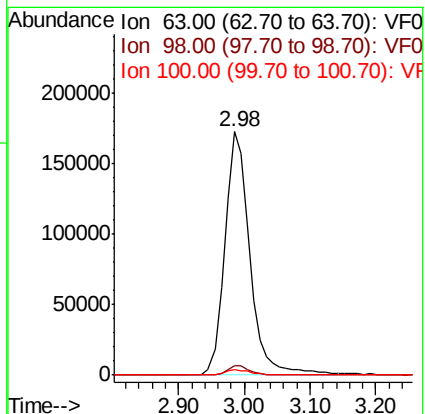
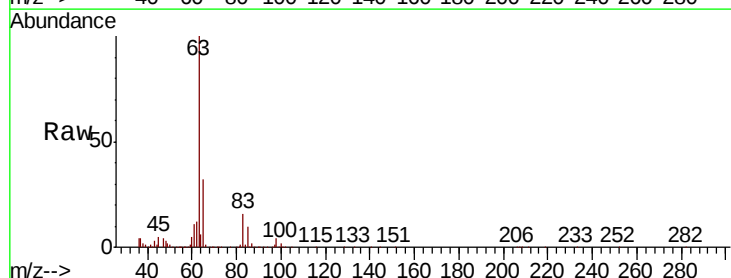
Tgt Ion: 63 Resp: 457521

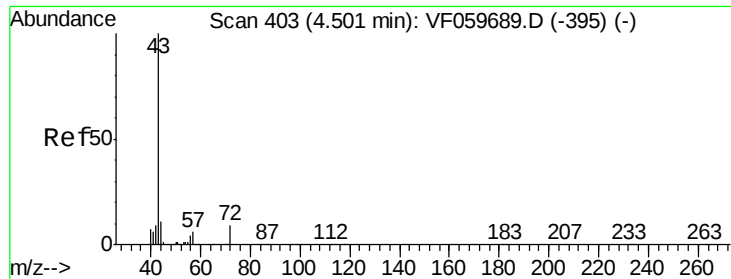
Ion Ratio Lower Upper

63 100

98 3.9 1.4 4.2

100 2.1 1.6 4.7





#25

2-Butanone

Concen: 771.27 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 459803

Ion Ratio Lower Upper

43 100

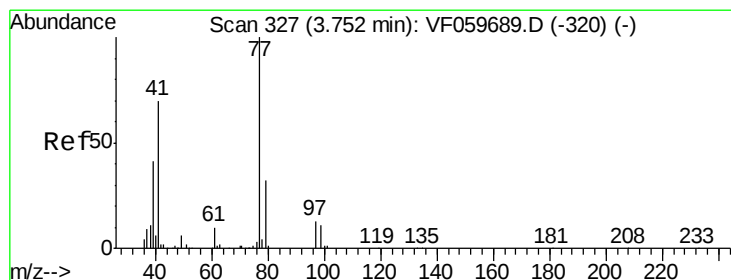
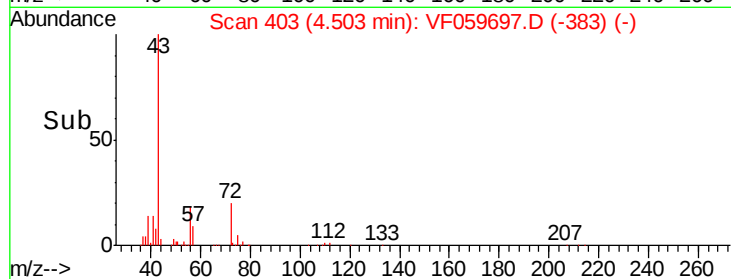
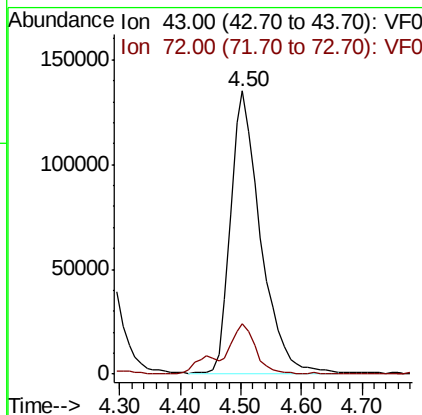
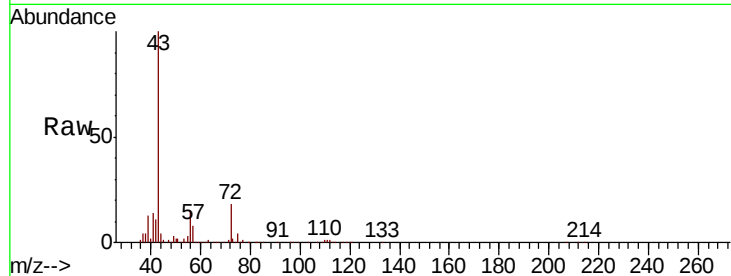
72 18.0 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 123.66 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059697.D

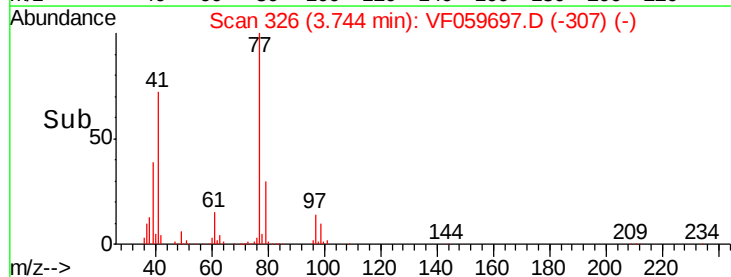
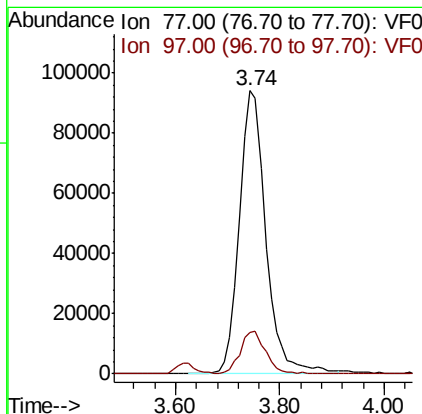
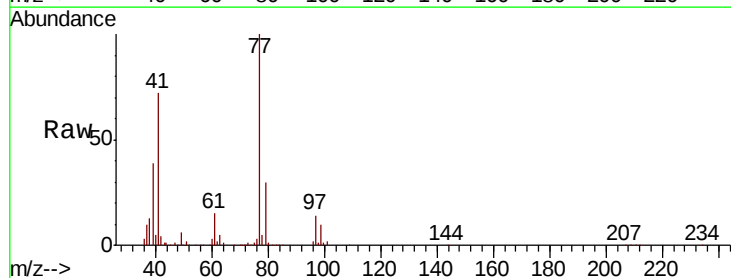
Acq: 30 Jul 2018 19:32

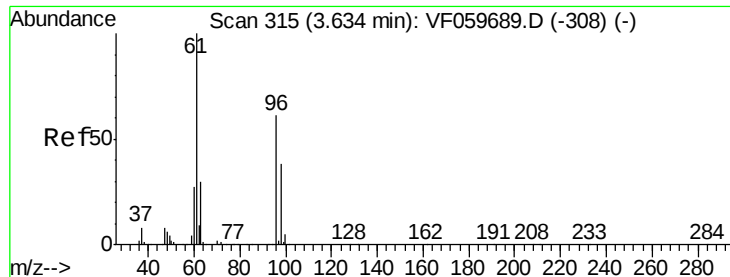
Tgt Ion: 77 Resp: 323405

Ion Ratio Lower Upper

77 100

97 14.4 6.8 20.4





#27

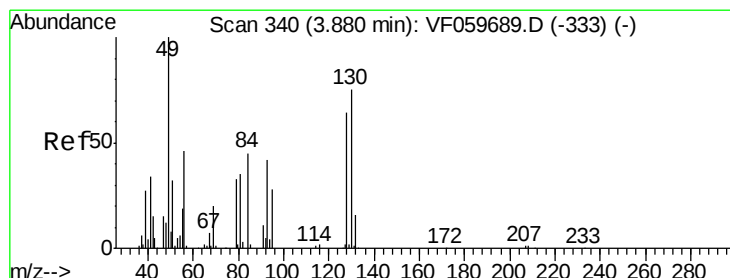
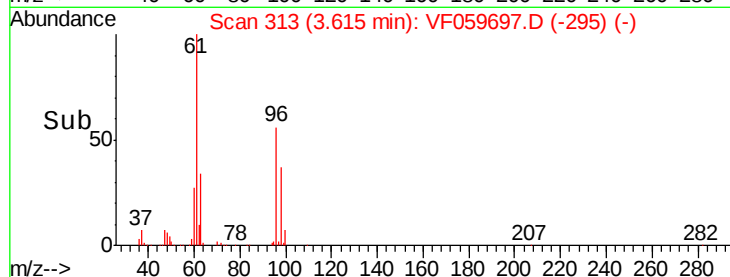
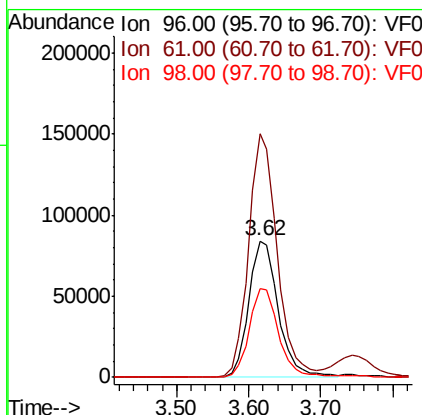
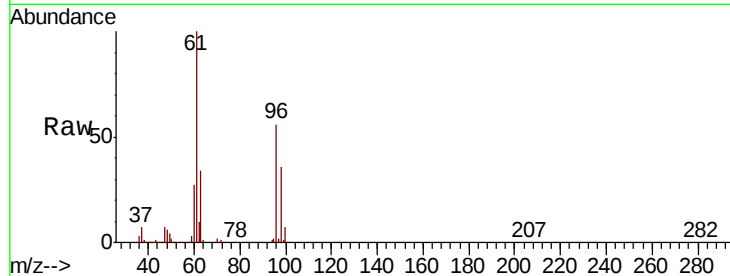
cis-1,2-Dichloroethene
Concen: 145.55 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241986		
61	178.1	0.0	326.8	
98	65.0	0.0	125.2	

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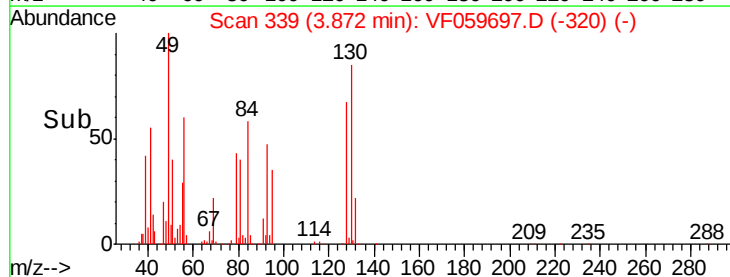
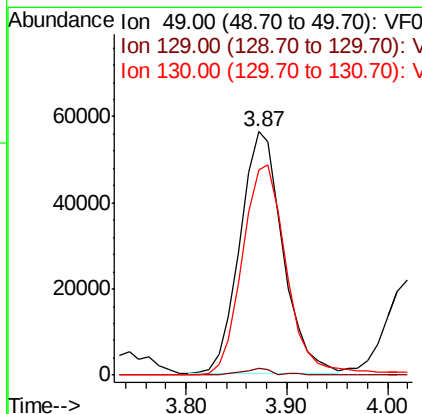
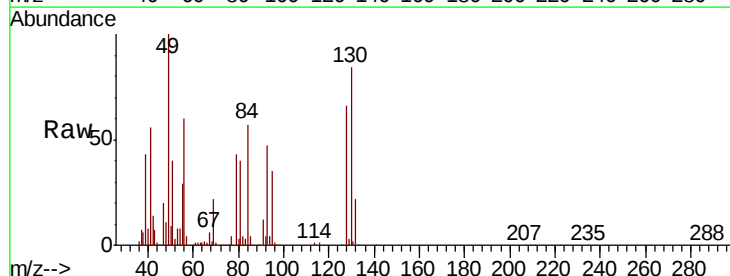
apatel
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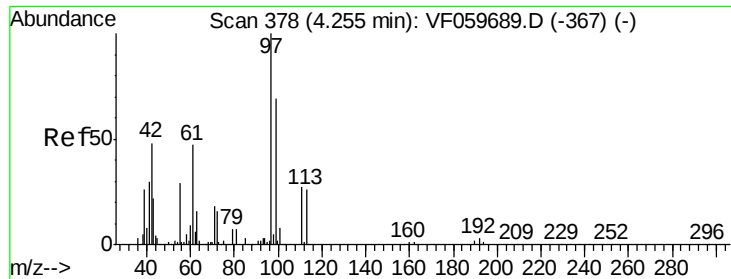


#28

Bromochloromethane
Concen: 140.15 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165996		
129	2.9	0.0	4.8	
130	84.5	59.6	89.4	





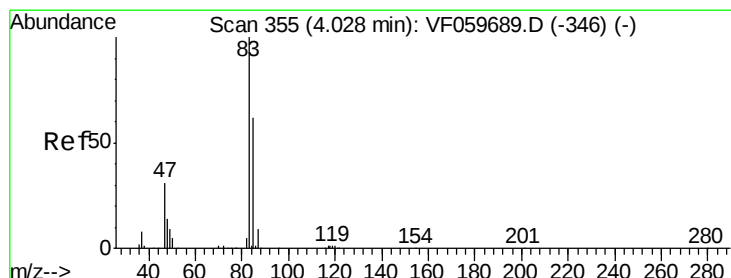
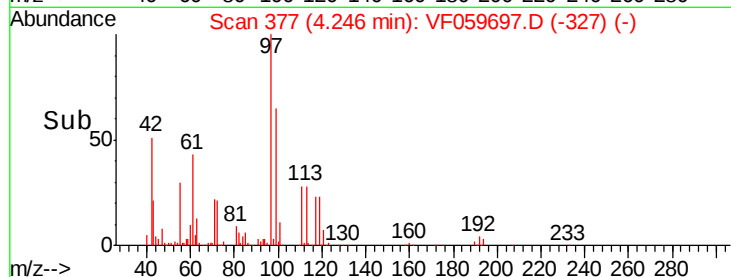
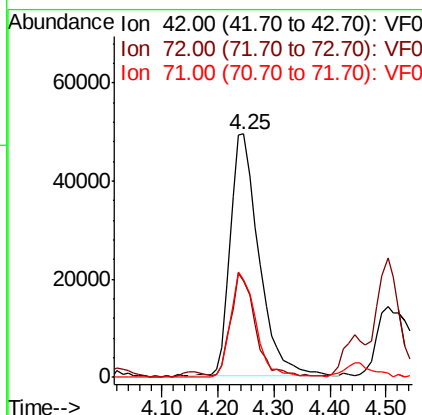
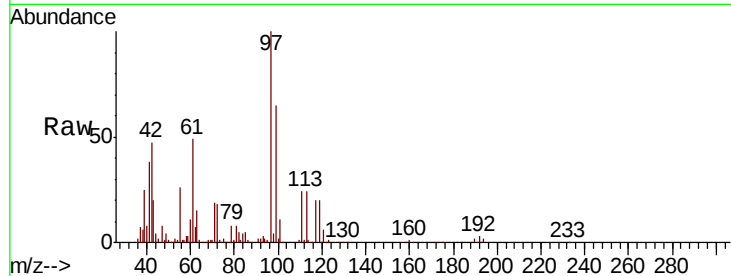
#29
Tetrahydrofuran
Concen: 733.29 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	27.0	40.6
71	38.2	29.7	44.5

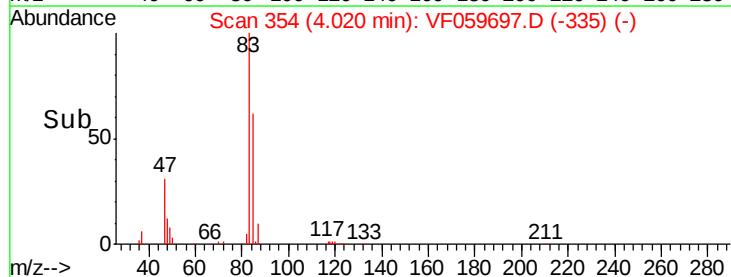
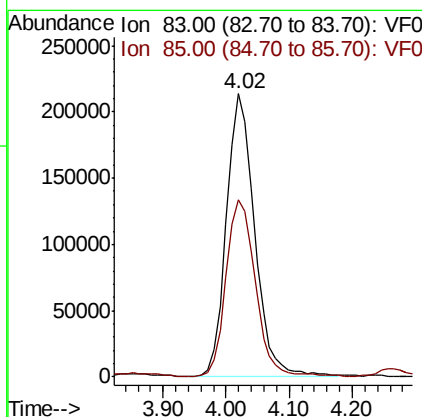
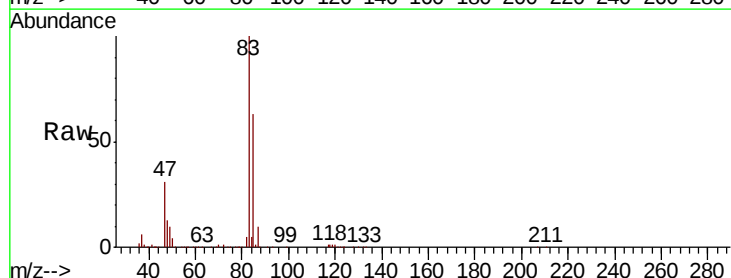
Manual Integrations
APPROVED

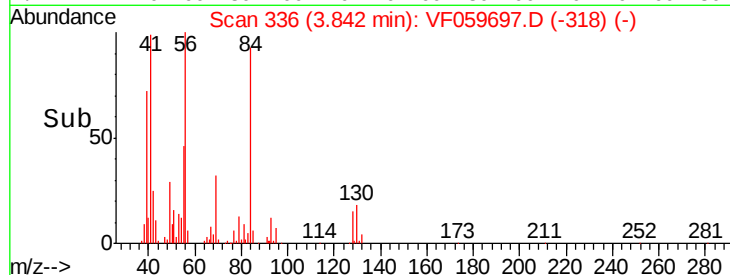
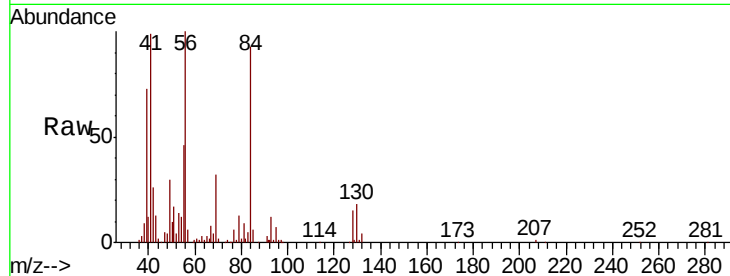
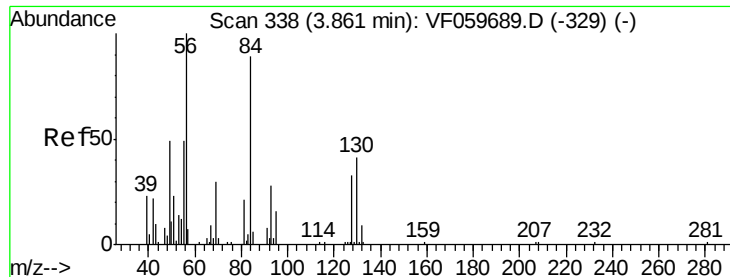
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#30
Chloroform
Concen: 146.52 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.4	74.0





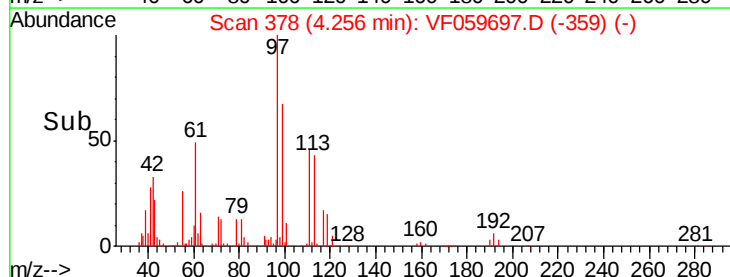
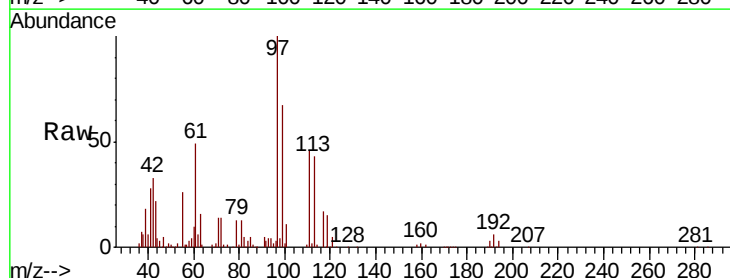
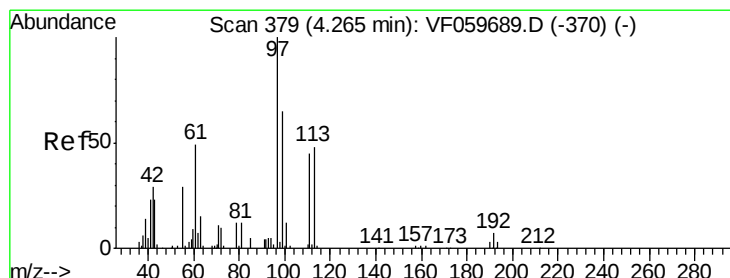
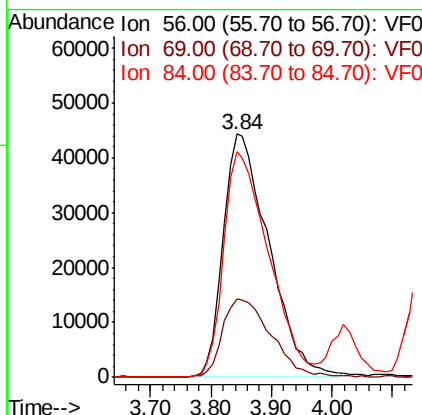
#31
Cyclohexane
Concen: 125.73 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.02 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.7	35.5
84	92.9	71.1	106.7

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

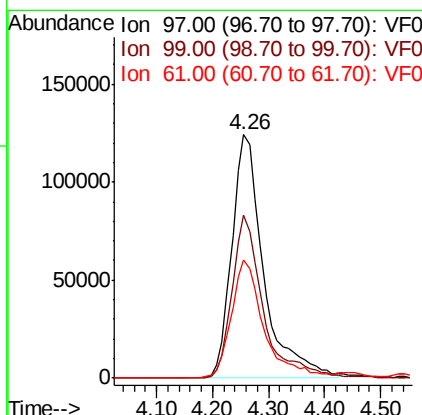
Manual Integrations
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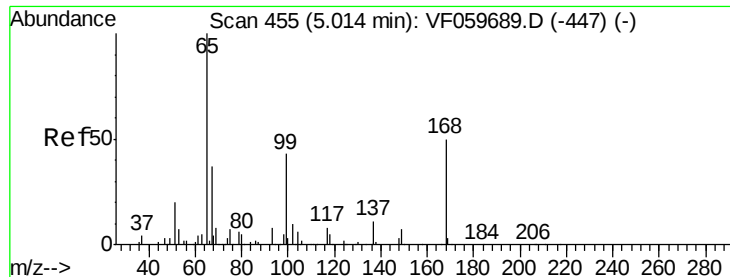
apatel
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#32
1,1,1-Trichloroethane
Concen: 131.81 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.4	78.6
61	48.5	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 163.91 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tot Ion: 65 Resp: 486752

Ion Ratio Lower Upper

65 100

67 41.8 0.0 84.6

Instrument :

MSVOA_F

ClientSampleId :

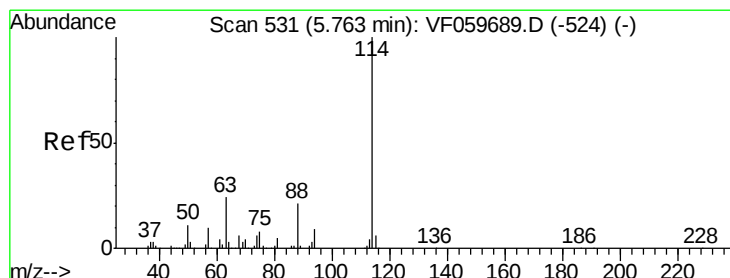
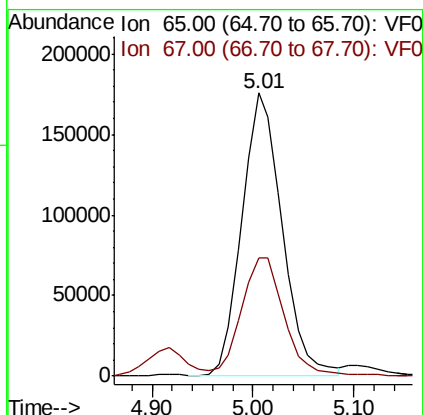
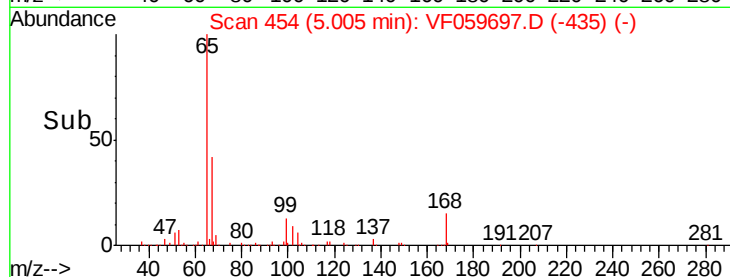
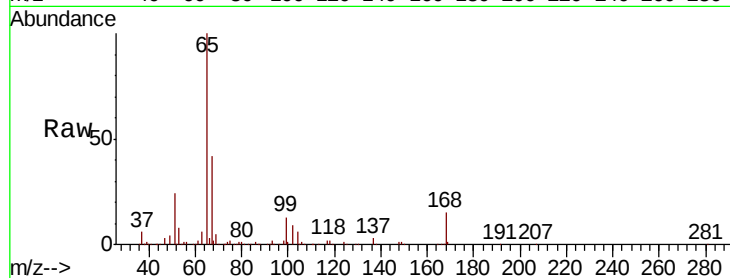
VSTDIC150

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

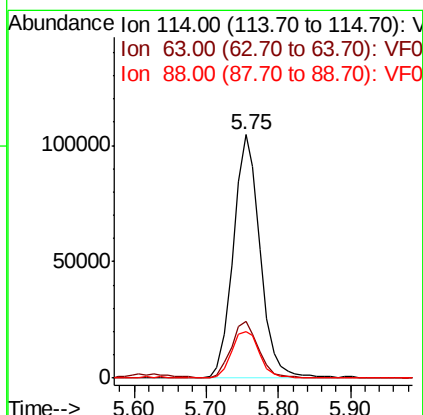
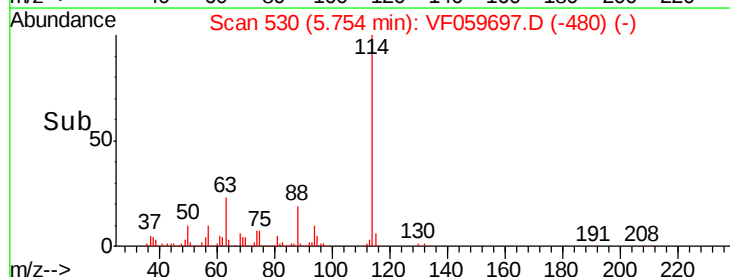
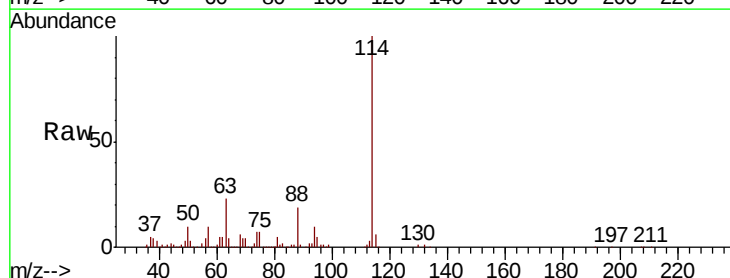
Tgt Ion: 114 Resp: 271142

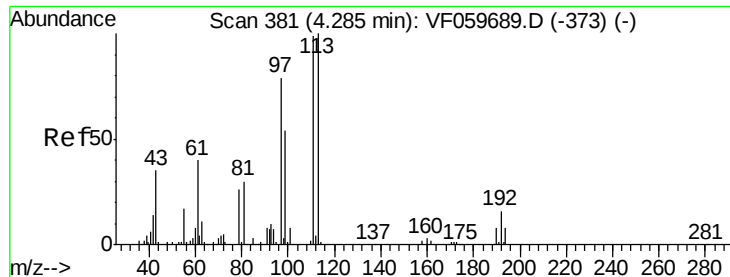
Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.4

88 19.4 0.0 41.2





#35

Dibromofluoromethane

Concen: 148.32 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

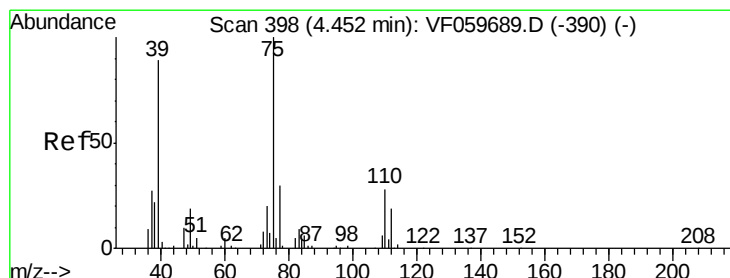
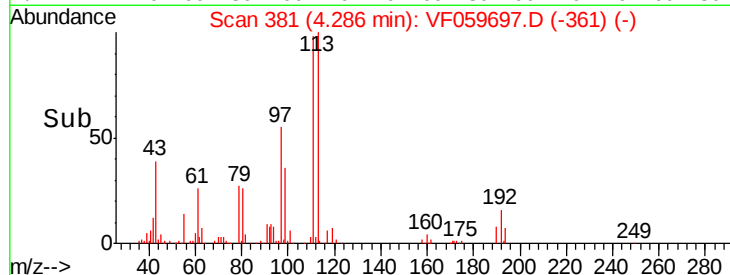
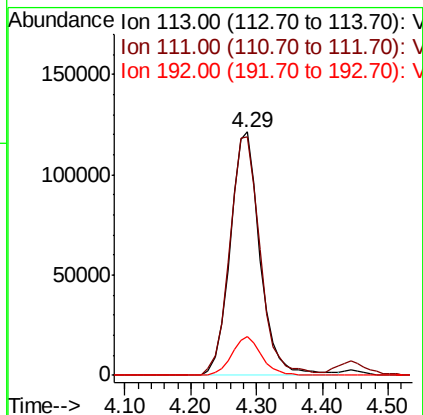
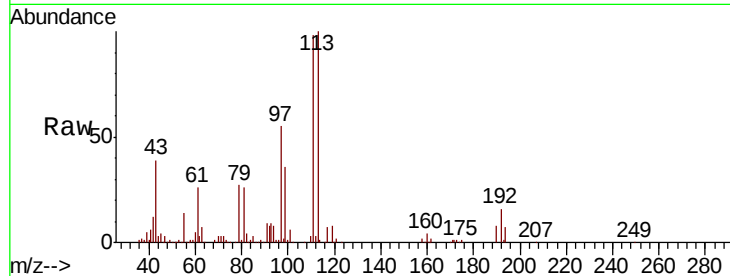
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	384882
Ion Ratio	Lower	Upper	
113	100		
111	98.2	79.0	118.4
192	15.9	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 131.73 ug/l

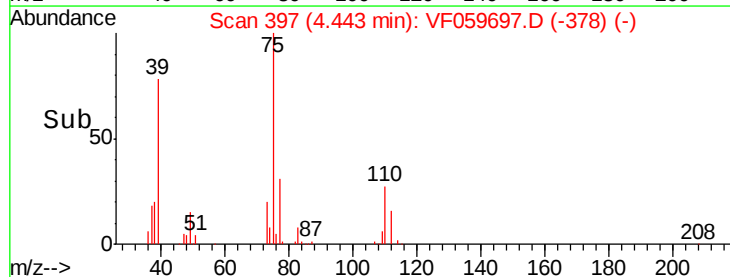
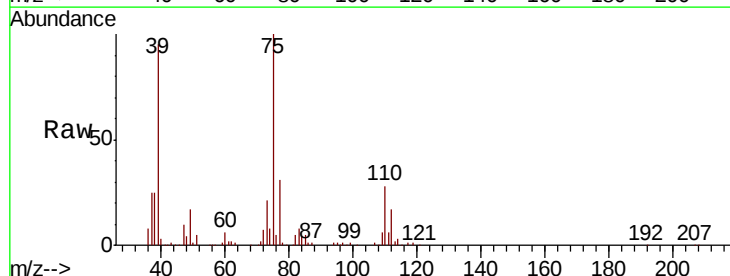
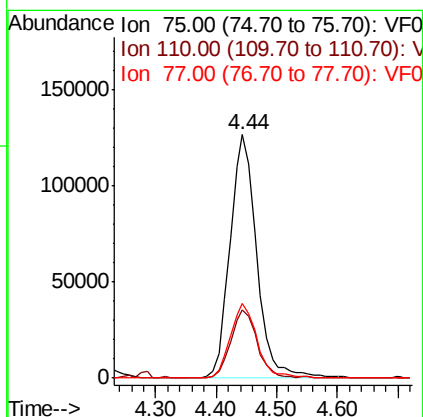
RT: 4.44 min Scan# 397

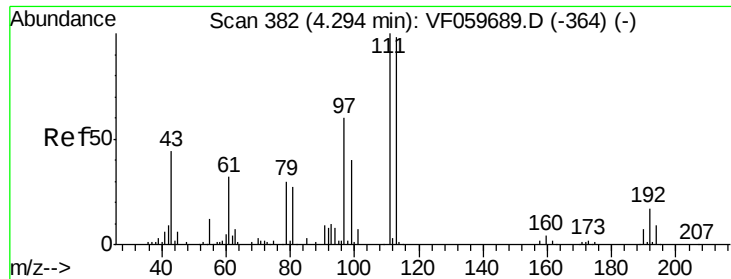
Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	75	Resp:	387401
Ion Ratio	Lower	Upper	
75	100		
110	27.9	14.0	41.9
77	30.5	24.2	36.2





#37

Ethyl Acetate

Concen: 148.40 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

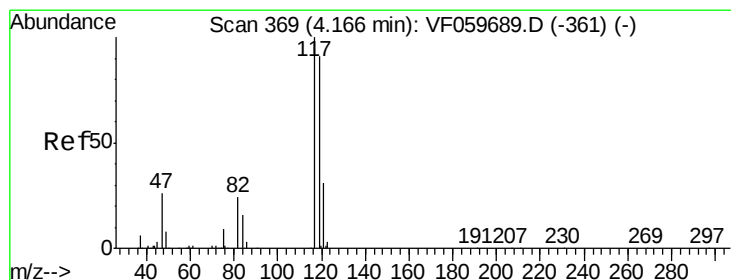
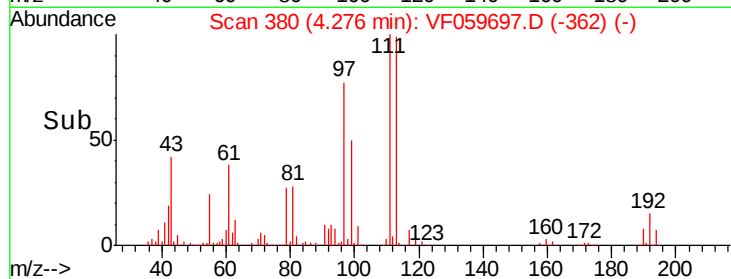
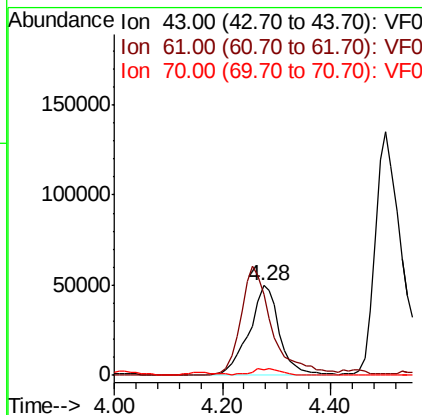
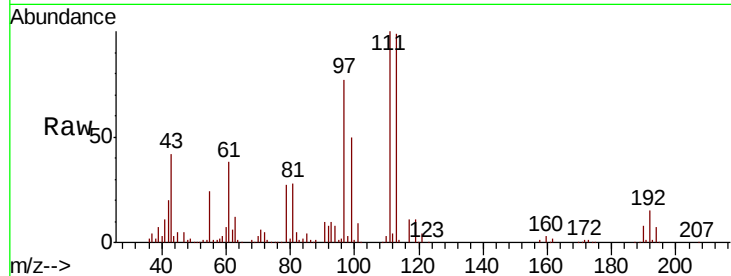
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	190384
Ion Ratio	Lower	Upper	
43	100		
61	91.3	58.2	87.2#
70	6.9	6.0	9.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 132.06 ug/l m

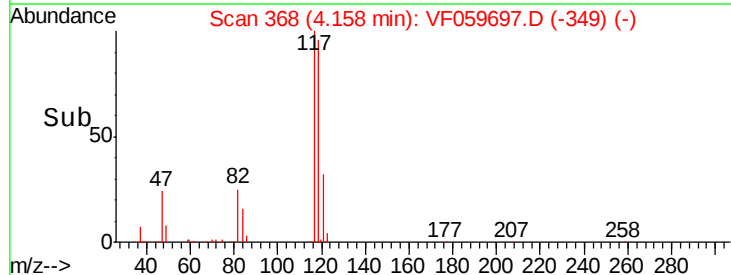
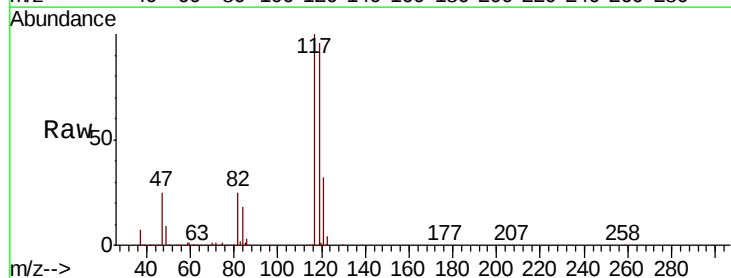
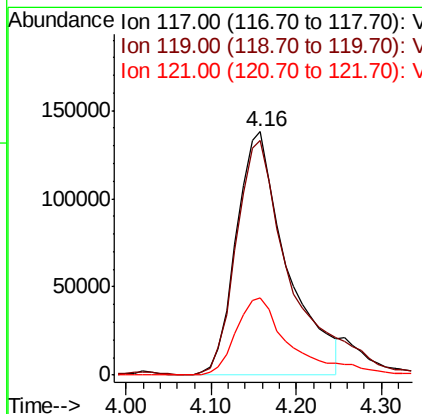
RT: 4.16 min Scan# 368

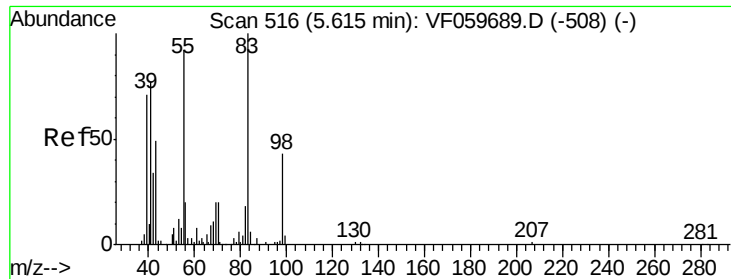
Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	117	Resp:	569840
Ion Ratio	Lower	Upper	
117	100		
119	96.4	72.9	109.3
121	31.8	25.0	37.4





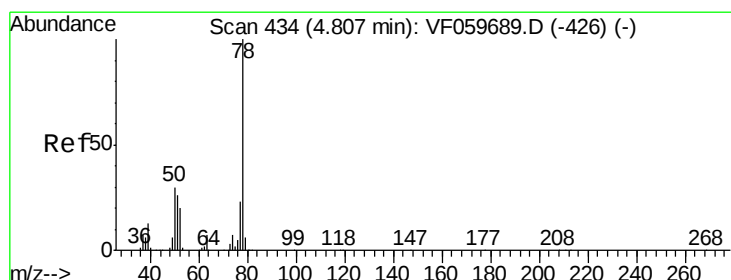
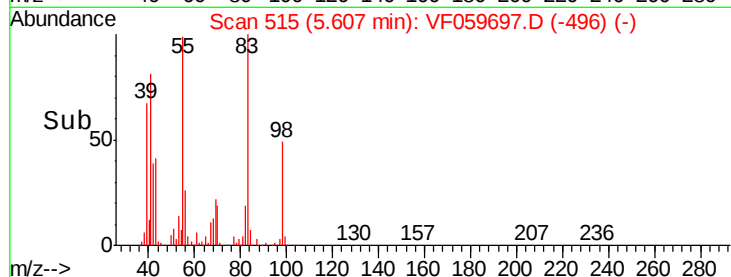
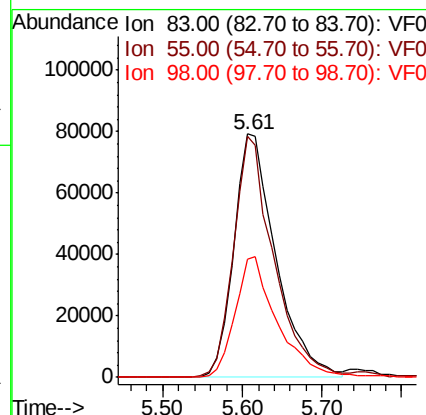
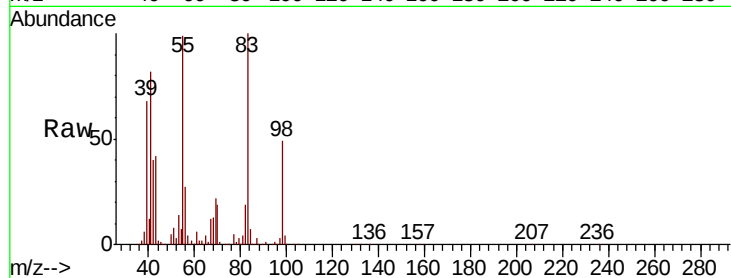
#39
Methvlcvclohexane
Concen: 121.85 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.2	73.4	110.2
98	48.5	34.2	51.4

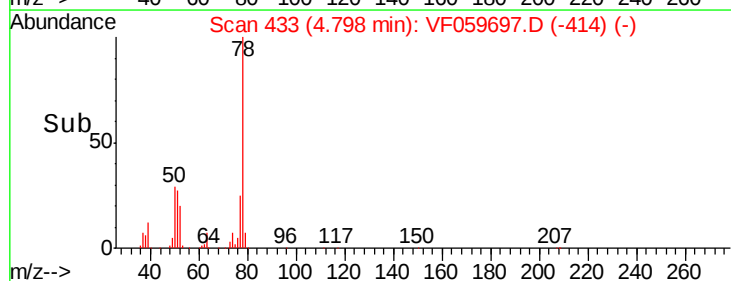
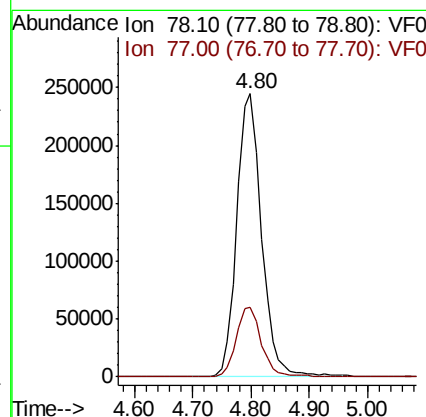
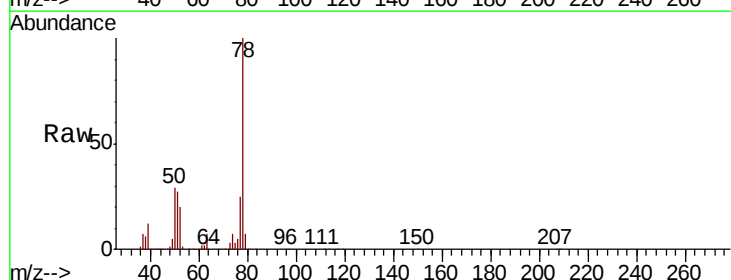
Manual Integrations
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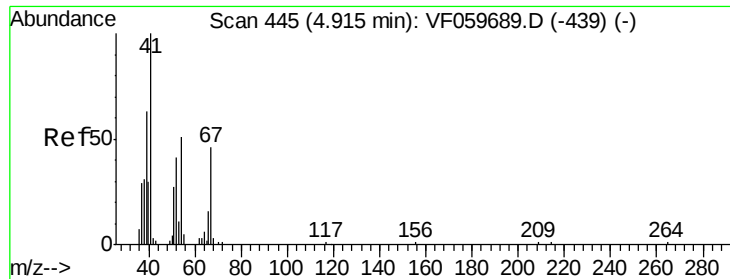
apatel
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#40
Benzene
Concen: 138.62 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3





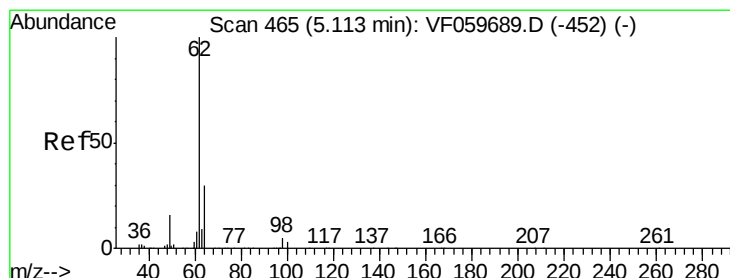
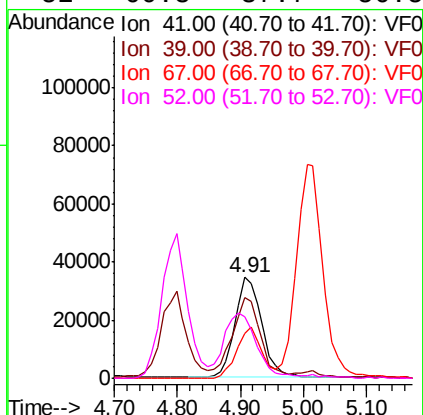
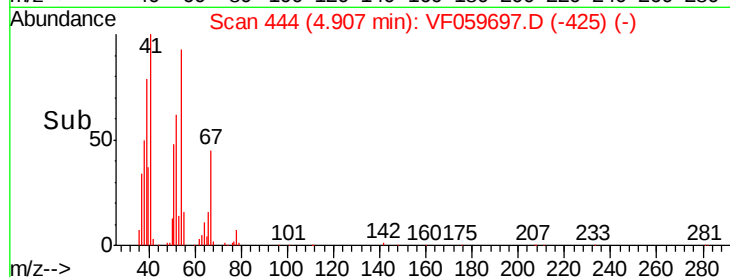
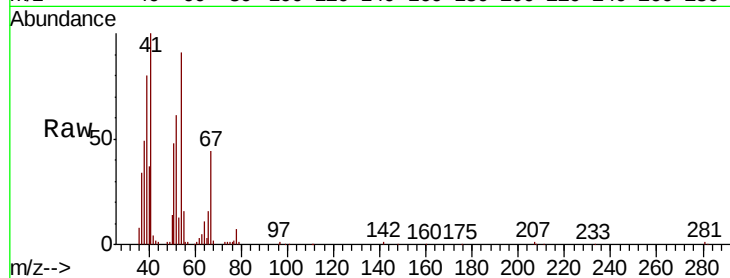
#41
Methacrylonitrile
Concen: 160.34 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.7	55.2	82.8
67	44.4	36.2	54.2
52	60.8	37.7	56.5

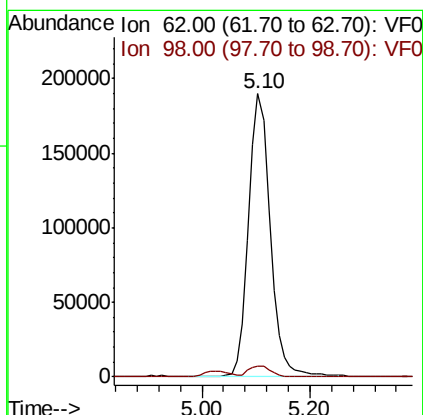
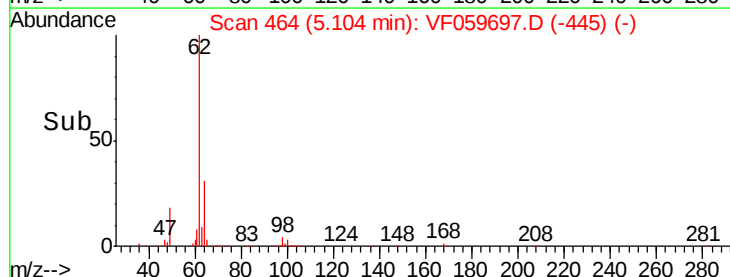
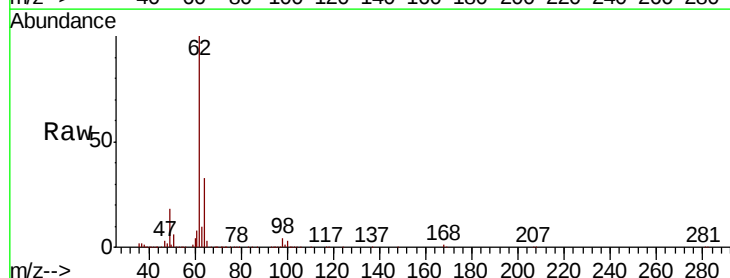
Manual Integrations
APPROVED

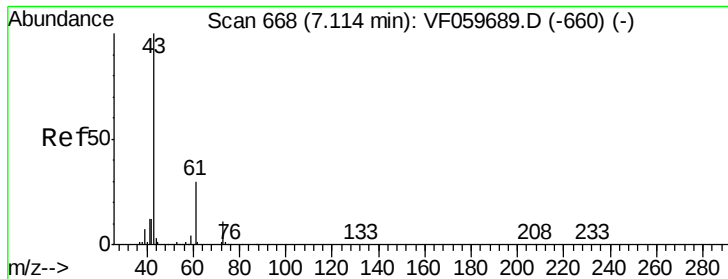
apatel
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#42
1,2-Dichloroethane
Concen: 156.19 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	9.6





#43

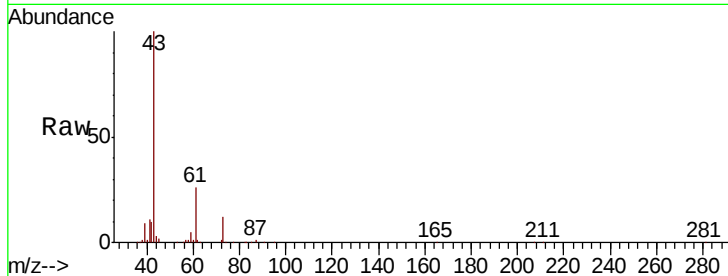
Isopropyl Acetate
 Concen: 184.31 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

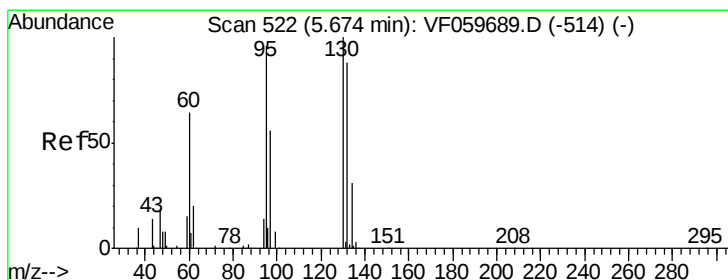
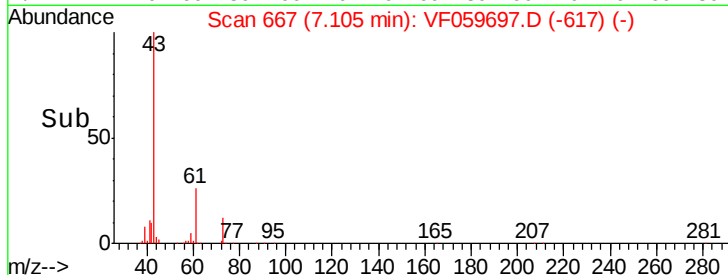
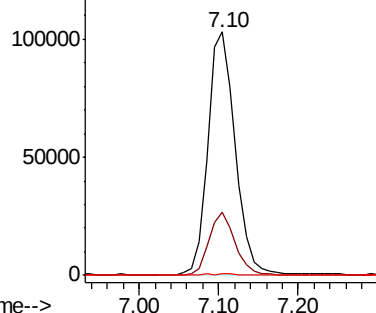
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	23.8	35.8
87	0.6	0.6	1.0

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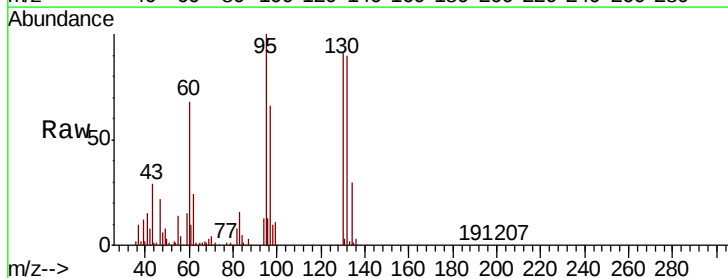
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



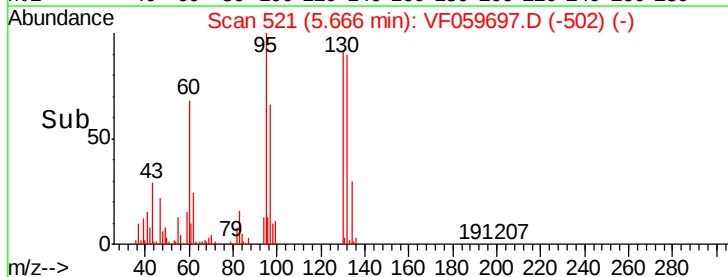
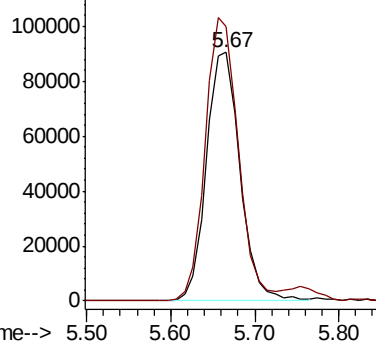
#44

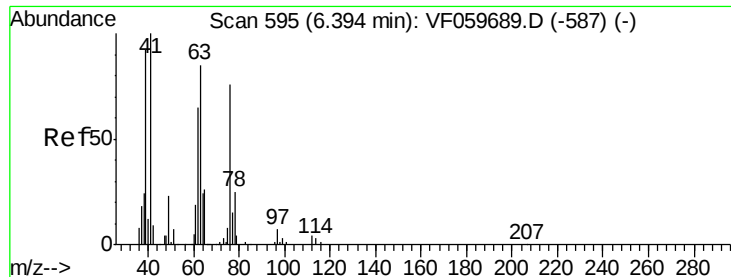
Trichloroethene
 Concen: 125.06 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.3	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 138.74 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 192596

Ion Ratio Lower Upper

63 100

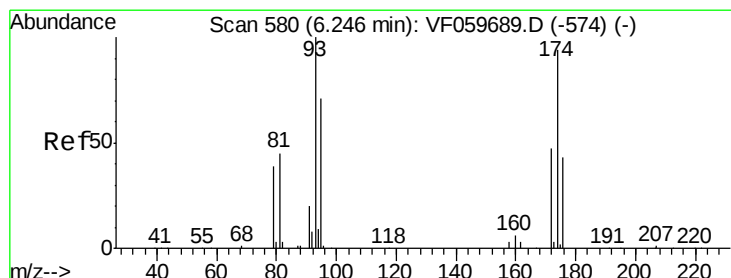
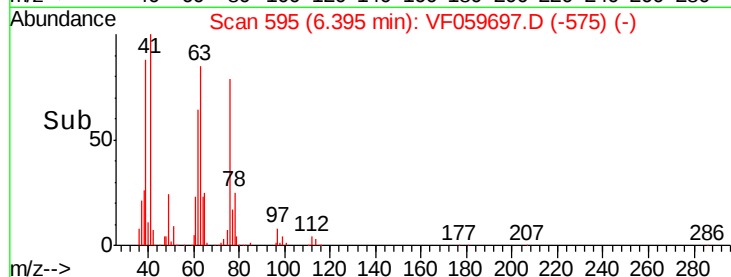
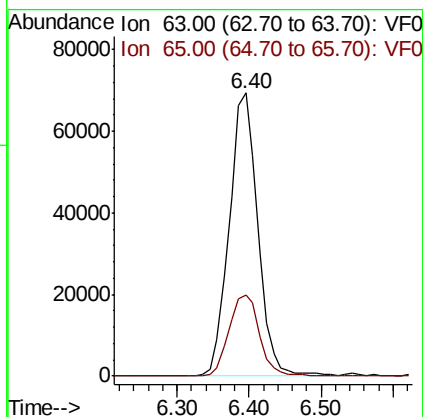
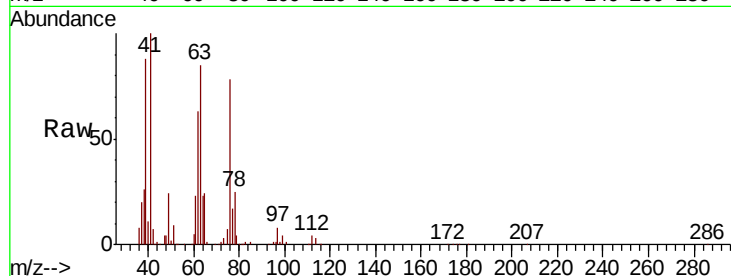
65 28.9 25.2 37.8

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#46

Dibromomethane

Concen: 161.21 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

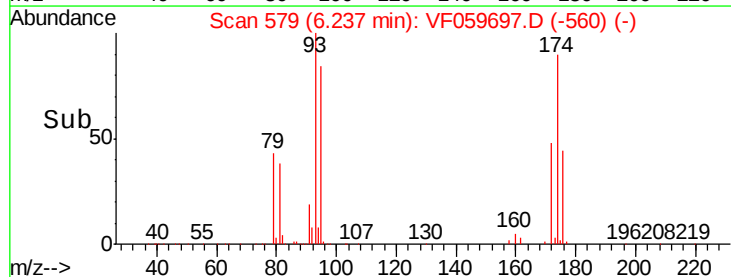
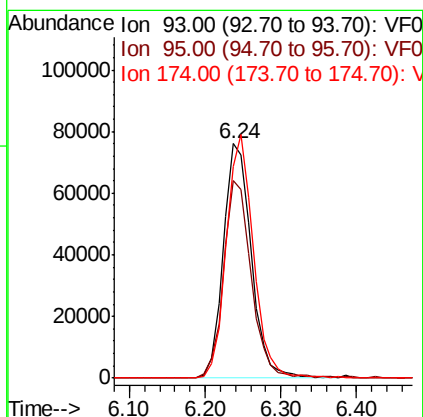
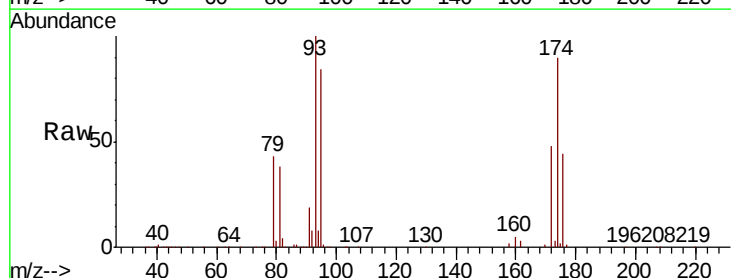
Tgt Ion: 93 Resp: 194328

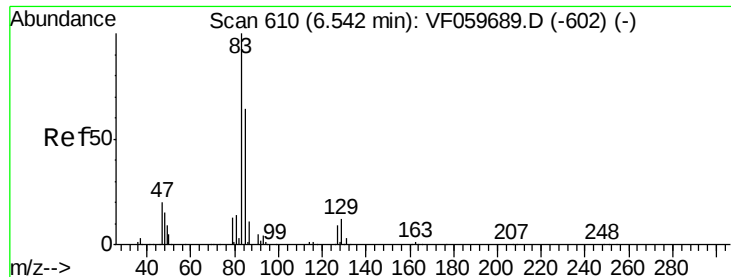
Ion Ratio Lower Upper

93 100

95 84.3 57.1 85.7

174 90.4 74.8 112.2





#47

Bromodichloromethane

Concen: 147.78 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

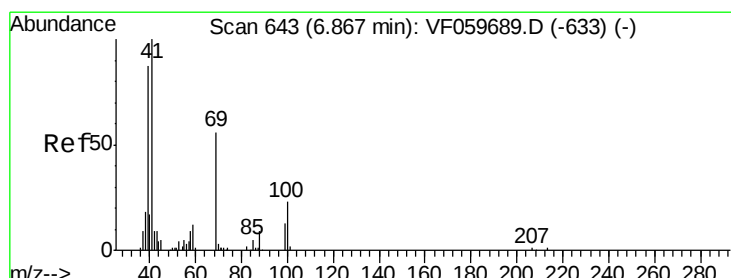
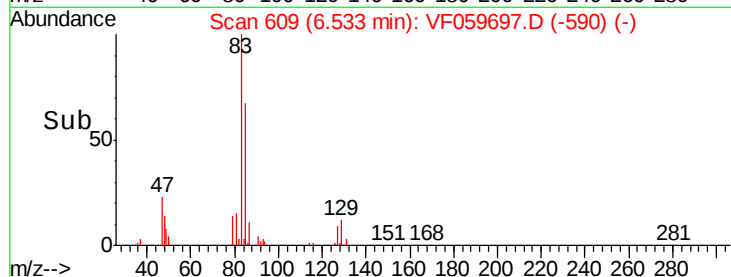
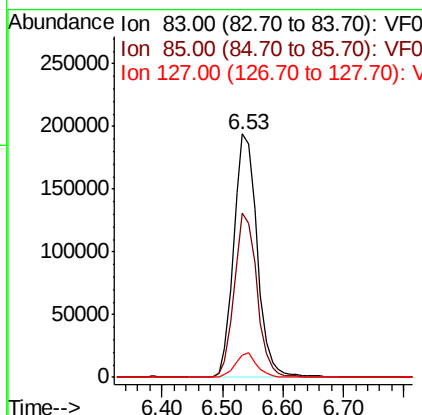
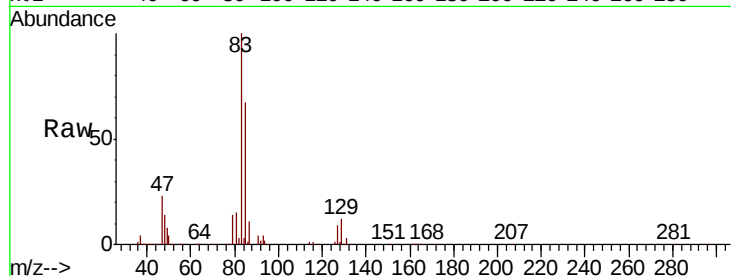
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	521951
Ion Ratio	Lower	Upper	
83	100		
85	67.5	51.0	76.6
127	9.2	7.3	10.9

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#48

Methyl methacrylate

Concen: 179.60 ug/l

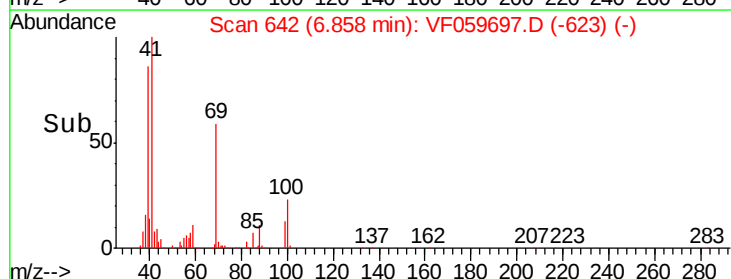
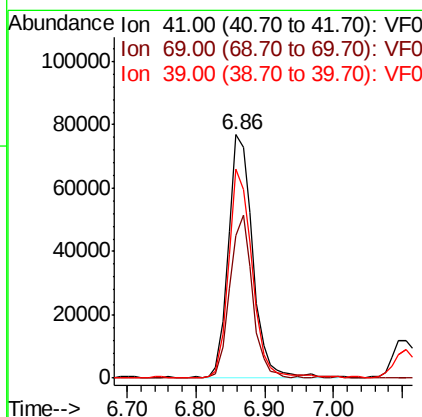
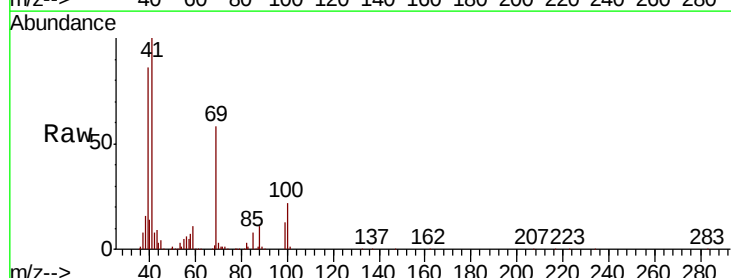
RT: 6.86 min Scan# 642

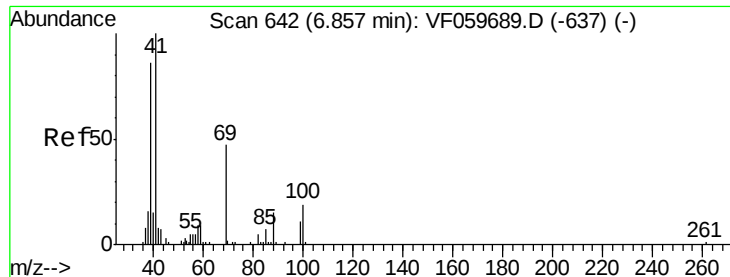
Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	41	Resp:	187248
Ion Ratio	Lower	Upper	
41	100		
69	58.4	44.4	66.6
39	85.6	69.4	104.2





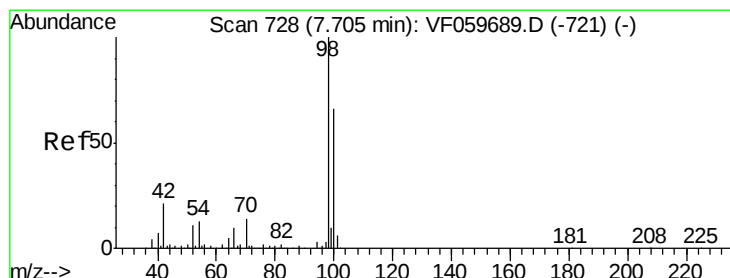
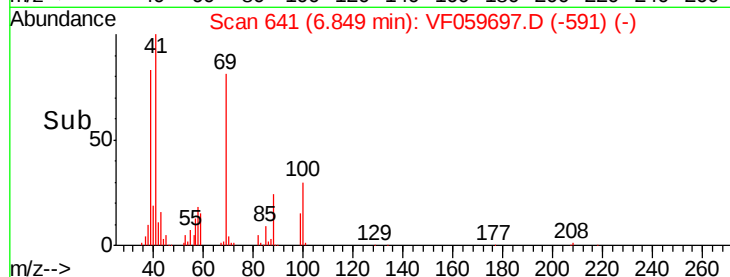
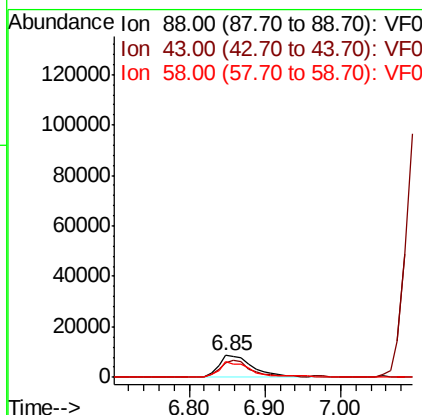
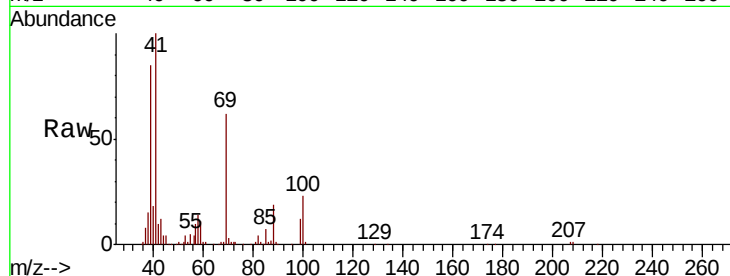
#49
1,4-Dioxane
Concen: 3453.56 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.2	45.2	67.8
58	74.1	49.0	73.6

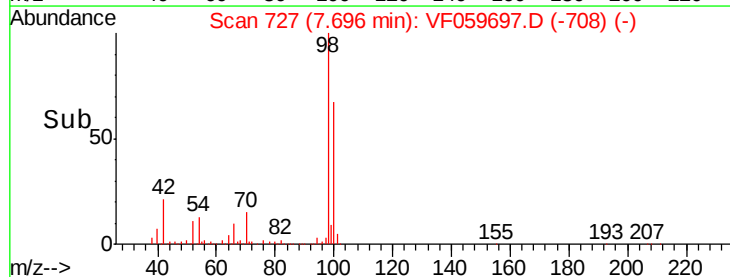
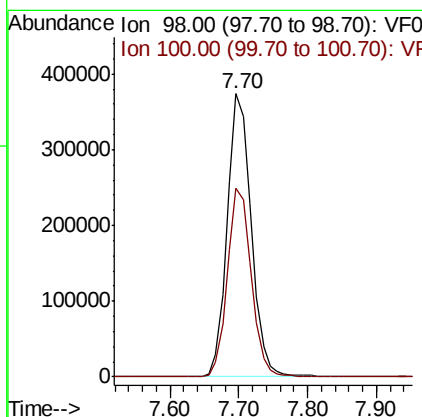
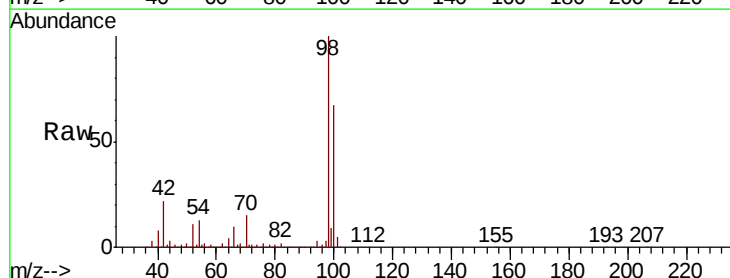
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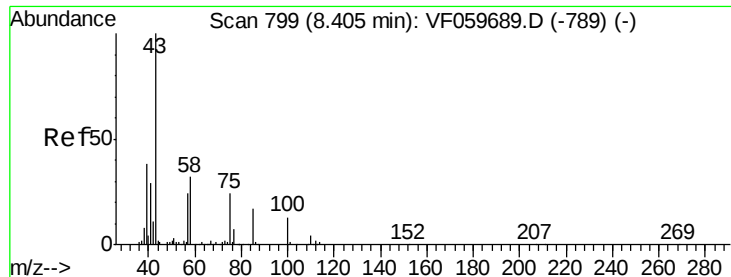
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#50
Toluene-d8
Concen: 144.38 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 800.53 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 855753

Ion Ratio Lower Upper

43 100

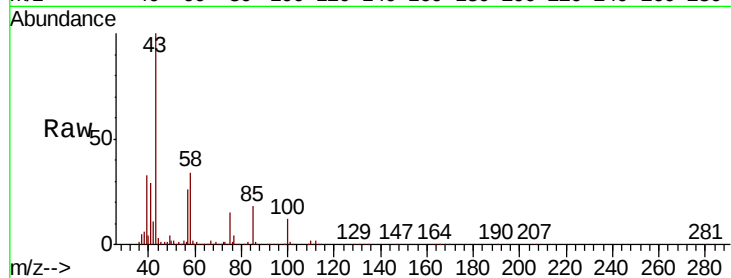
58 33.8 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

400000

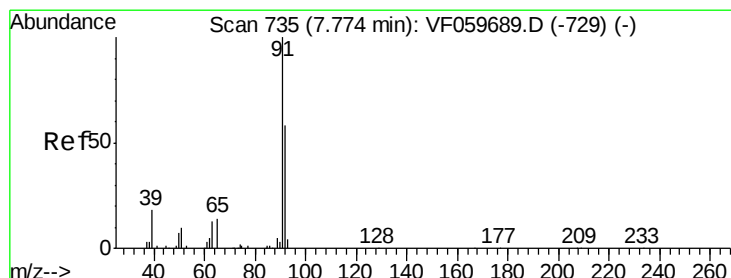
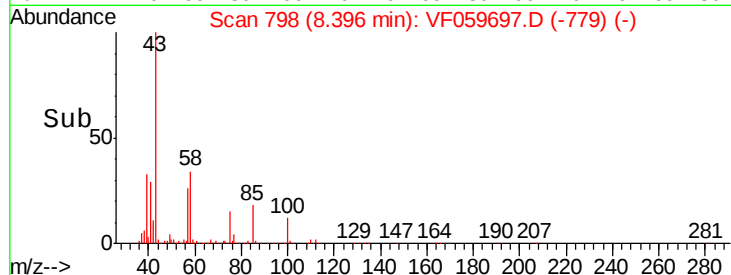
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 138.16 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059697.D

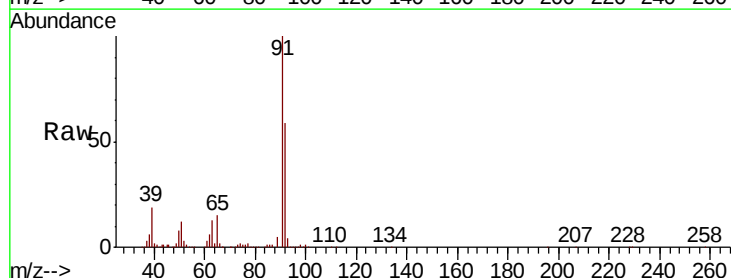
Acq: 30 Jul 2018 19:32

Tgt Ion: 92 Resp: 536075

Ion Ratio Lower Upper

92 100

91 169.9 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

400000

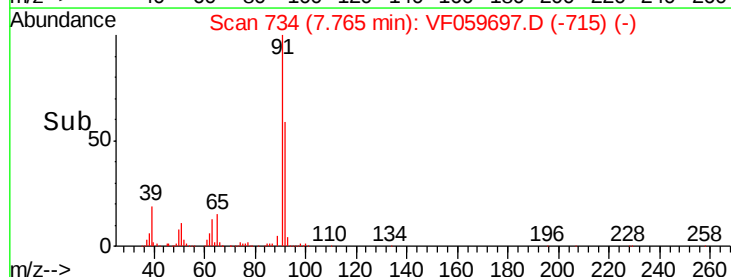
300000

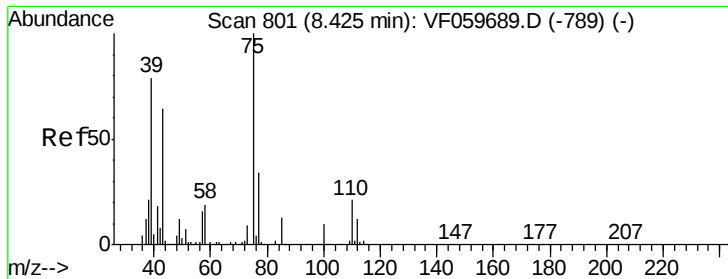
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 156.88 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tot Ion: 75 Resp: 443184

Ion Ratio Lower Upper

75 100

77 32.7 27.0 40.4

Instrument :

MSVOA_F

ClientSampleId :

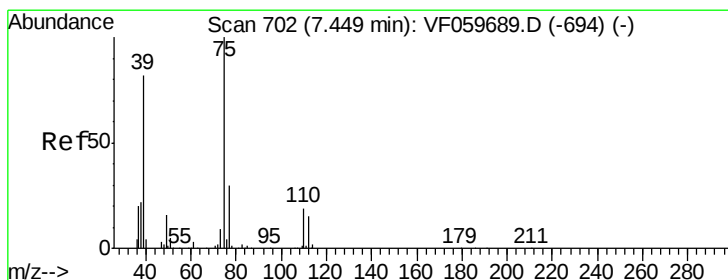
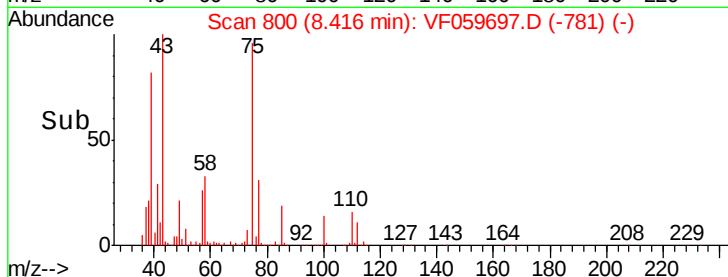
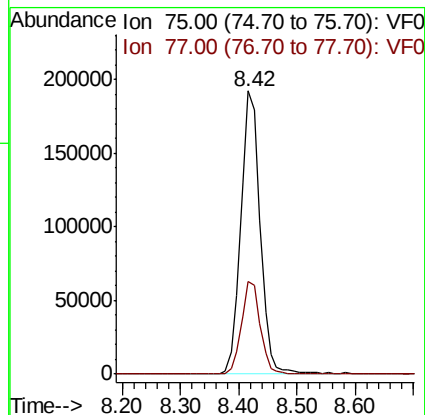
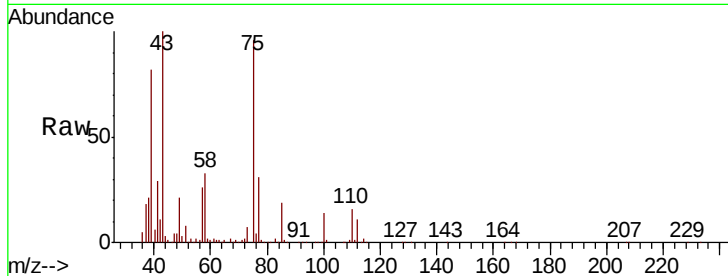
VSTDIC150

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#54

cis-1,3-Dichloropropene

Concen: 153.49 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

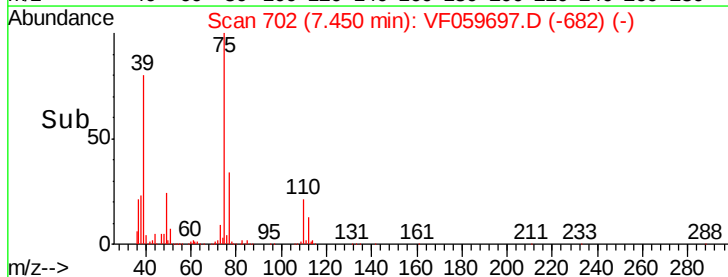
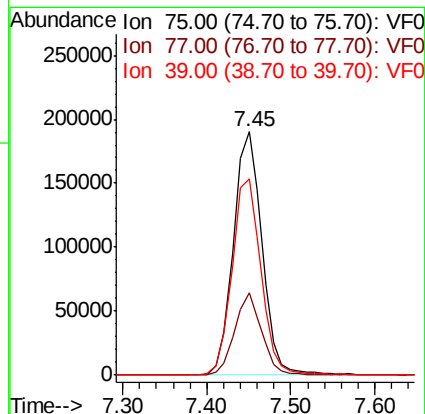
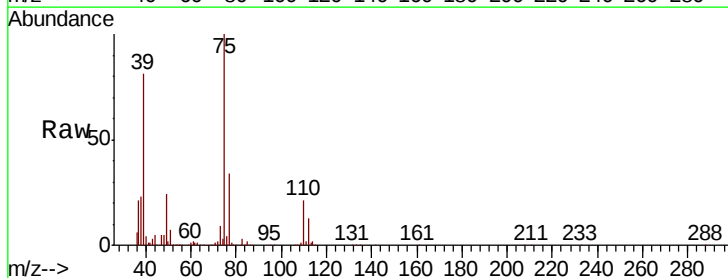
Tgt Ion: 75 Resp: 449914

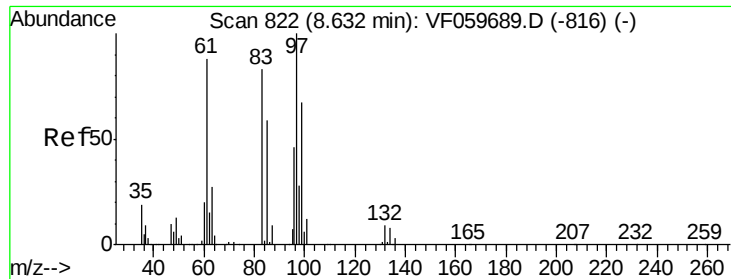
Ion Ratio Lower Upper

75 100

77 33.7 24.0 36.0

39 80.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 168.09 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

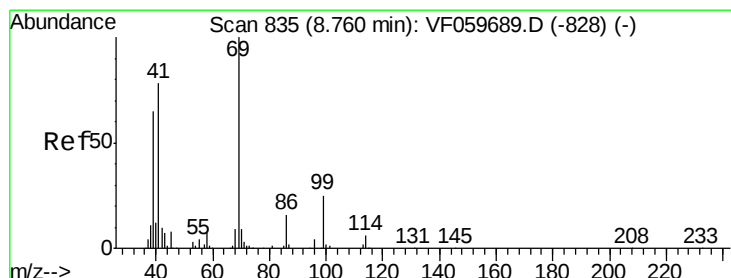
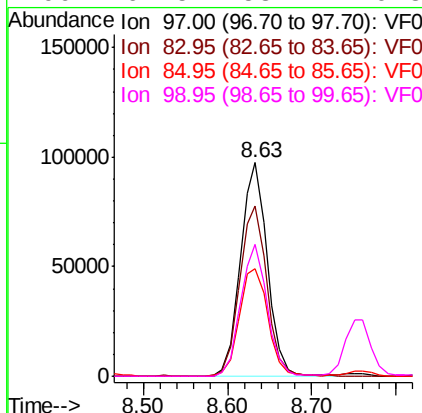
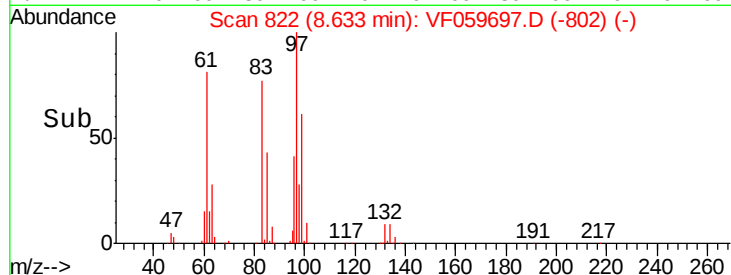
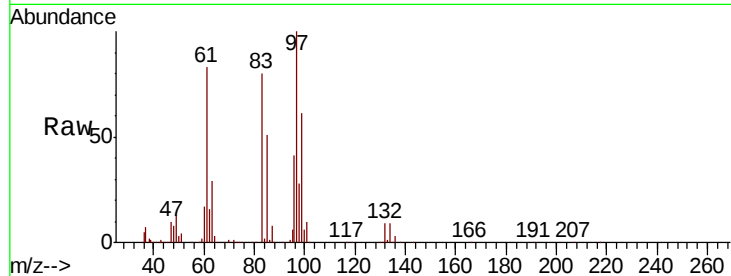
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	216613
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.6	100.0
85	50.6	47.4	71.0
99	61.5	53.2	79.8

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#56

Ethyl methacrylate

Concen: 176.54 ug/l

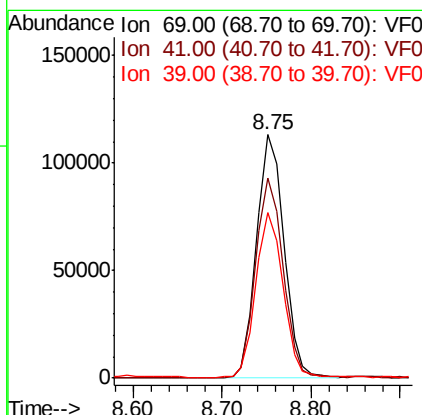
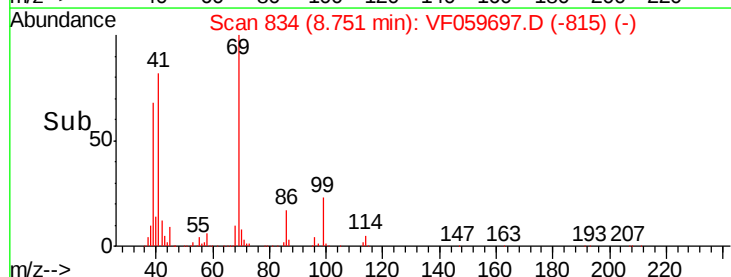
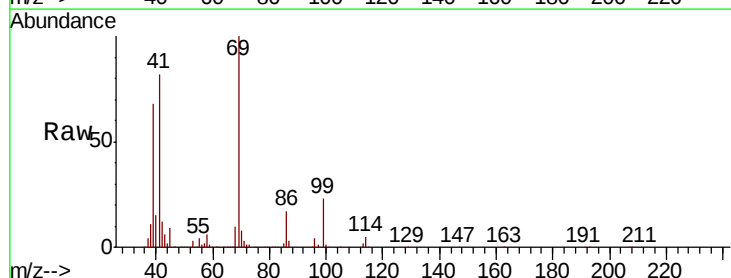
RT: 8.75 min Scan# 834

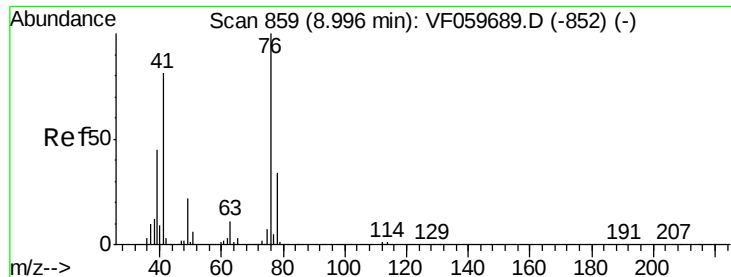
Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	69	Resp:	241180
Ion	Ratio	Lower	Upper
69	100		
41	82.4	62.3	93.5
39	68.0	52.4	78.6





#57

1,3-Dichloropropane

Concen: 165.38 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 368548

Ion Ratio Lower Upper

76 100

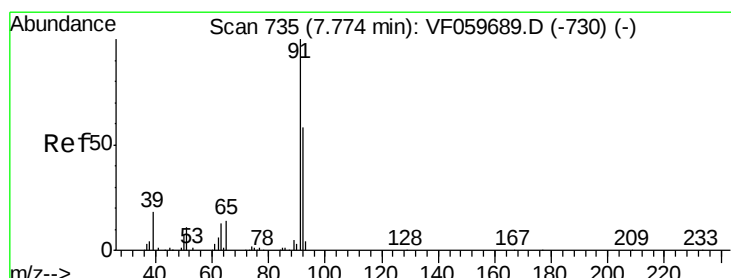
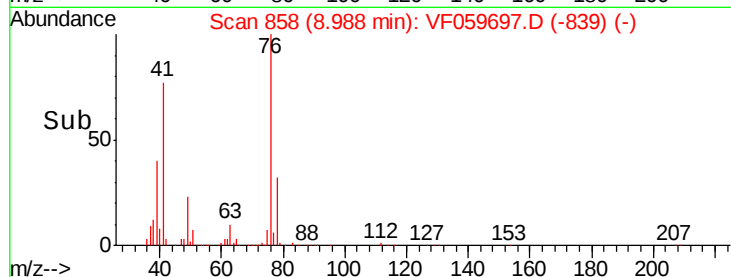
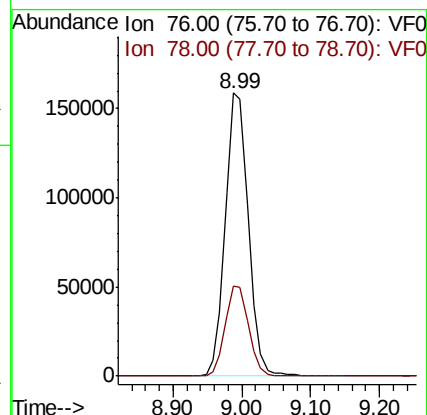
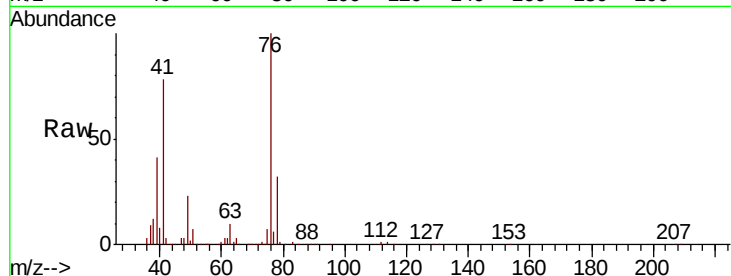
78 32.0 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 721.85 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059697.D

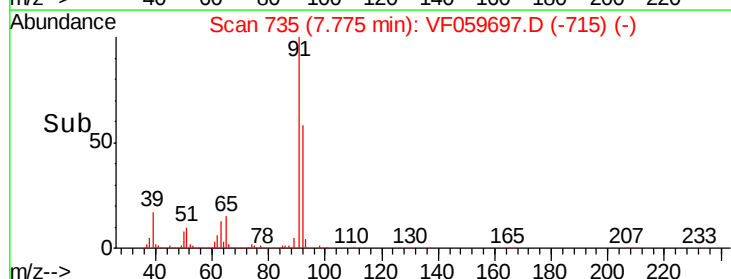
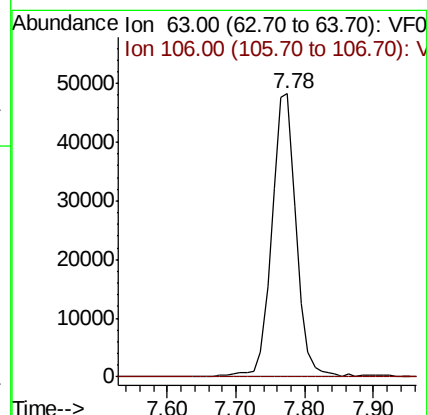
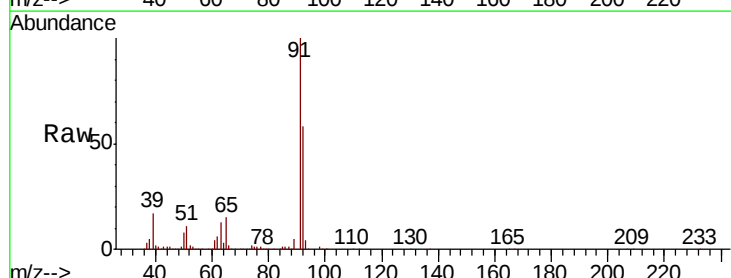
Acq: 30 Jul 2018 19:32

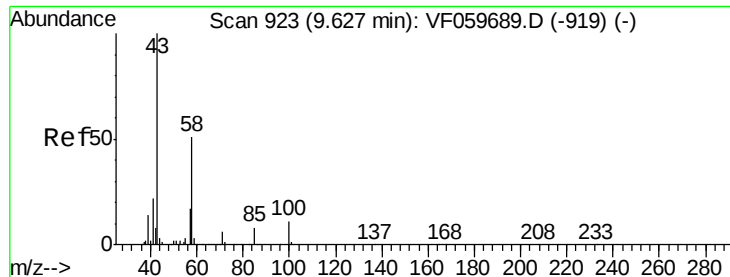
Tgt Ion: 63 Resp: 119071

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





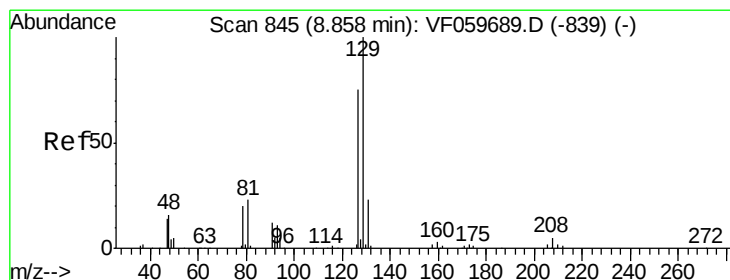
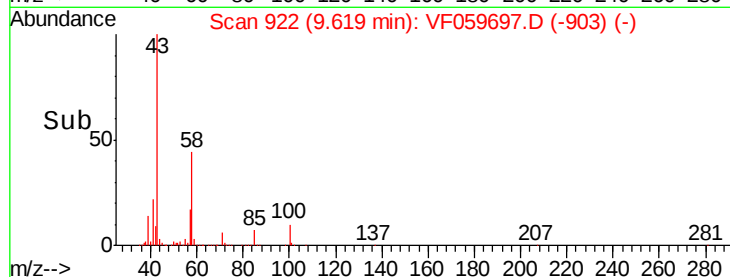
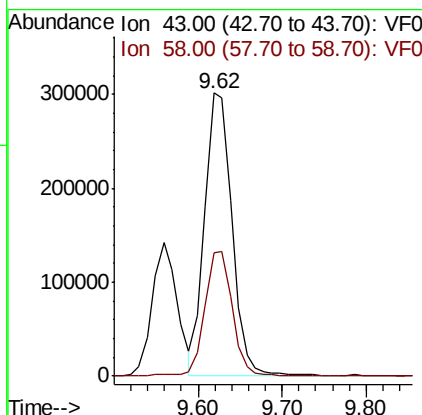
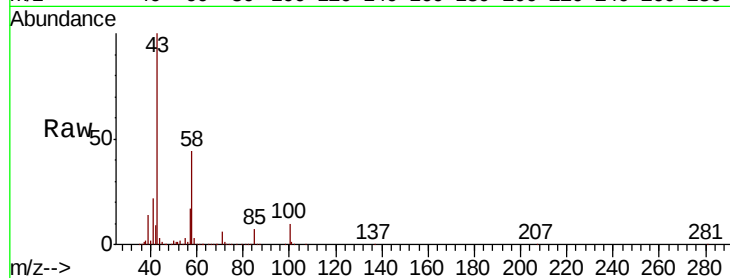
#59
2-Hexanone
Concen: 852.57 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.7	23.3	69.8

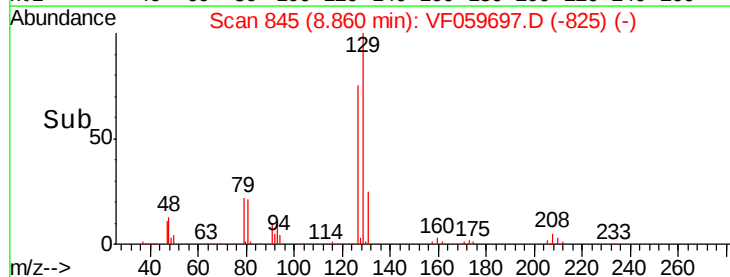
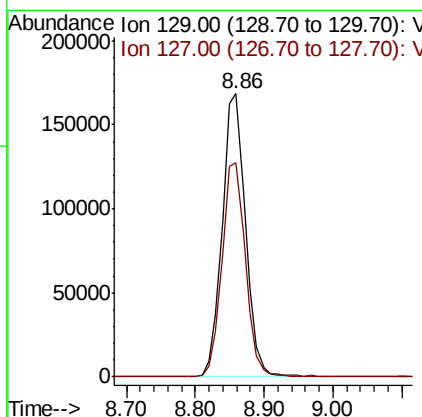
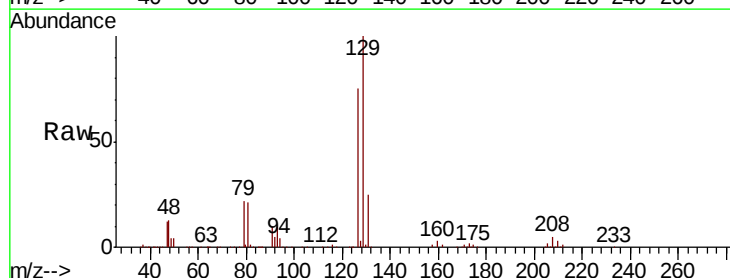
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#60
Dibromochloromethane
Concen: 169.99 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	37.7	113.1





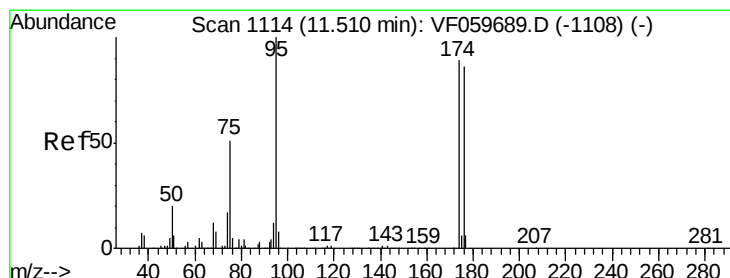
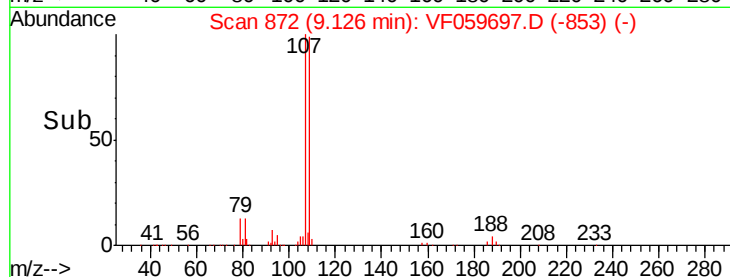
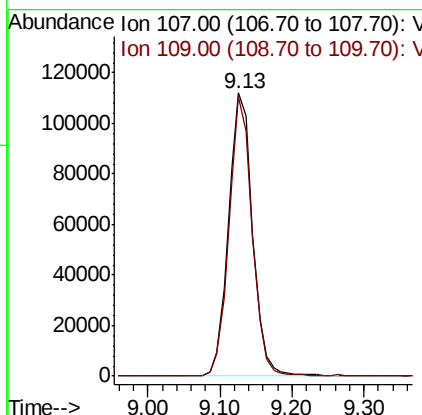
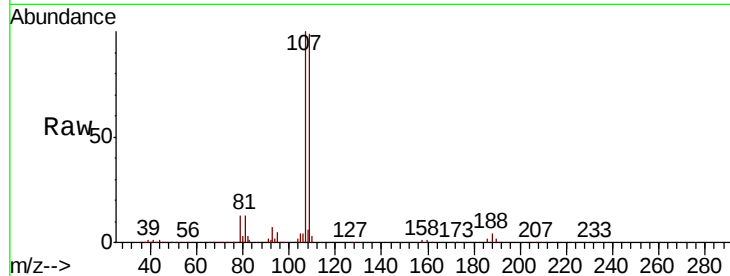
#61
1,2-Dibromoethane
Concen: 166.52 ug/l
RT: 9.13 min Scan# 872
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.6	73.6	110.4

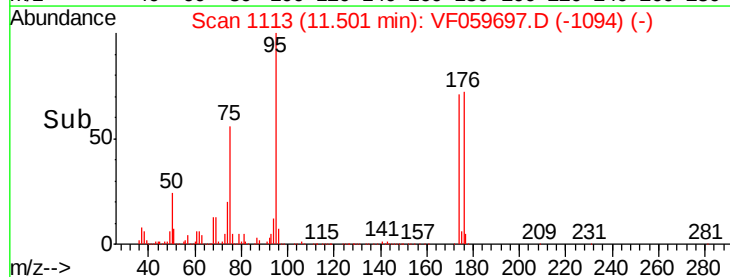
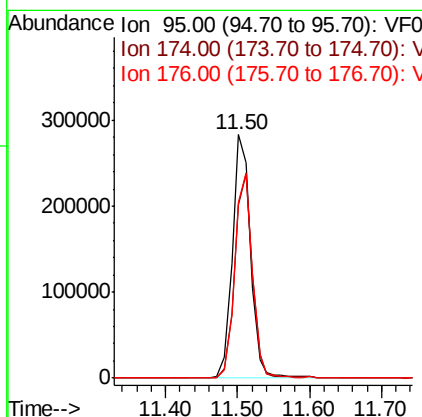
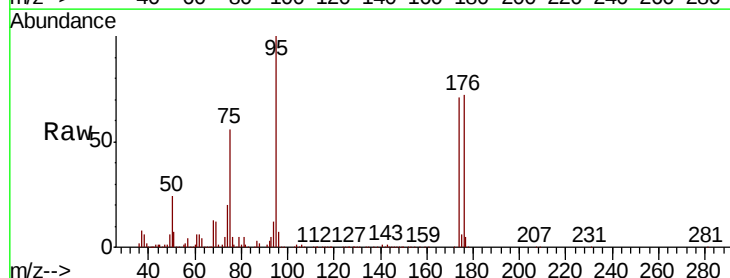
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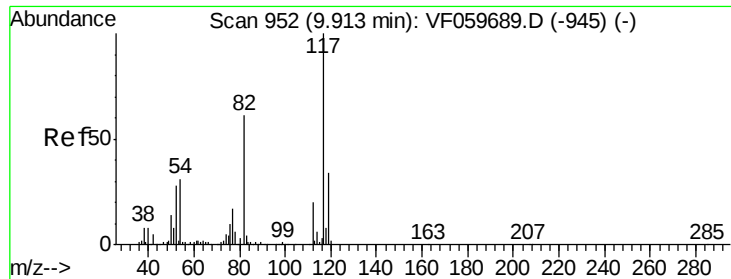
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#62
4-Bromofluorobenzene
Concen: 146.42 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	178.4
176	72.4	0.0	173.0





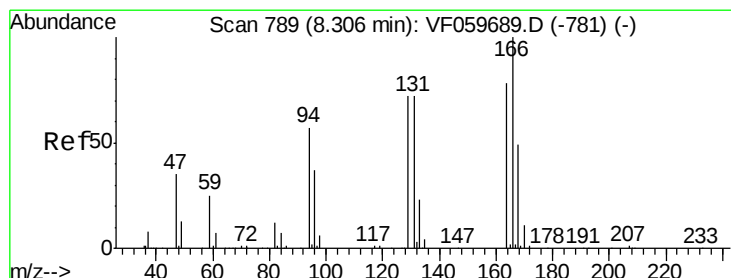
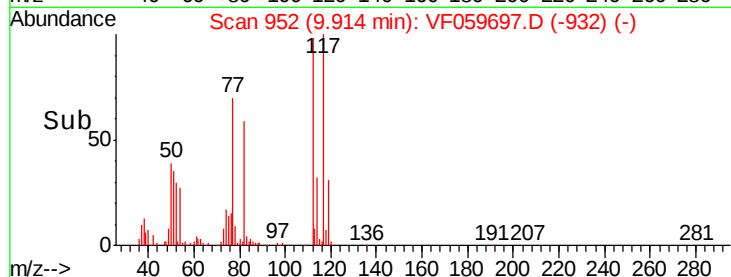
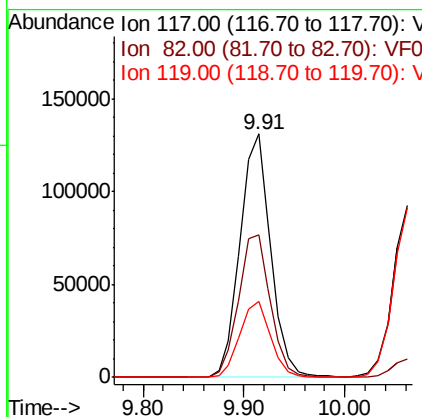
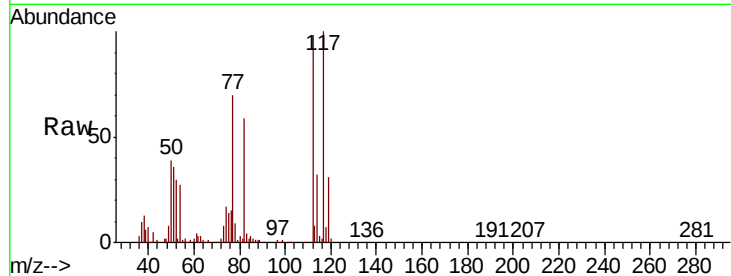
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	49.0	73.4
119	31.4	27.3	40.9

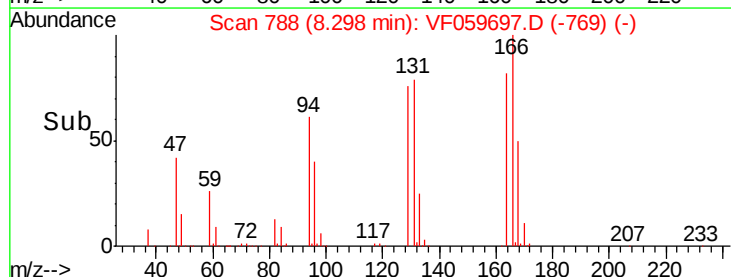
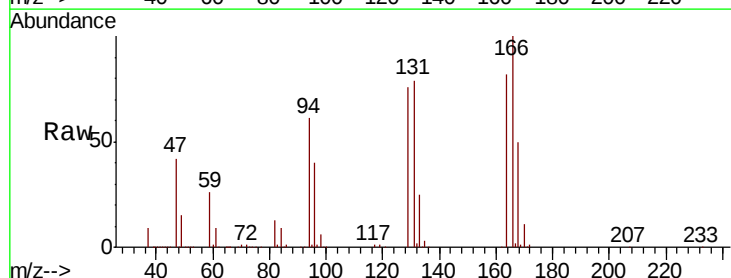
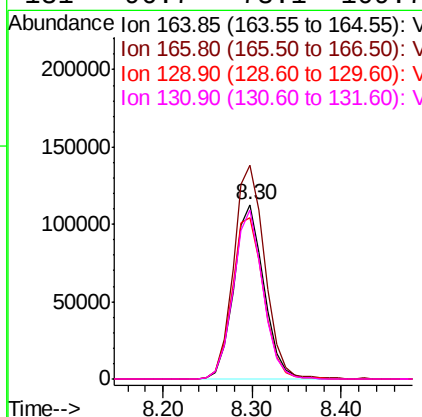
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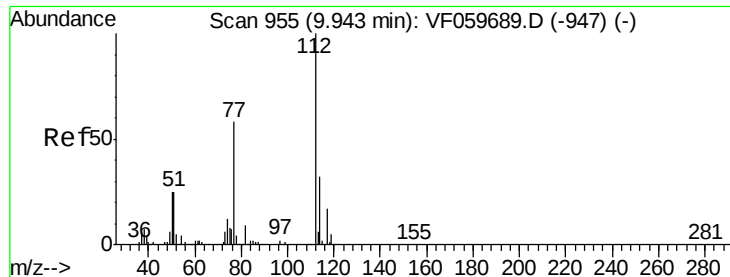
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#64
Tetrachloroethene
Concen: 119.73 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	102.1	153.1
129	92.8	73.8	110.6
131	96.7	73.1	109.7





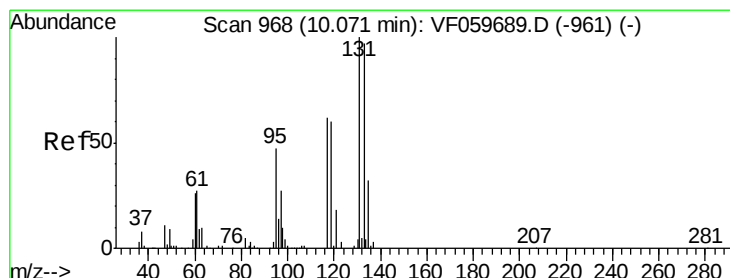
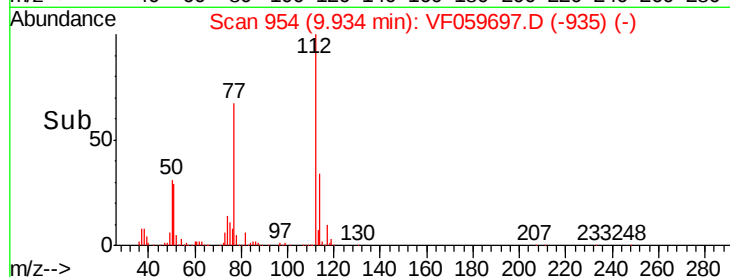
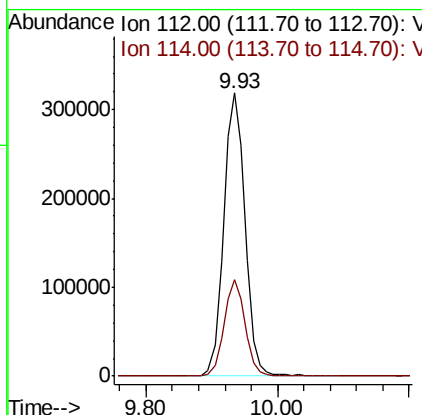
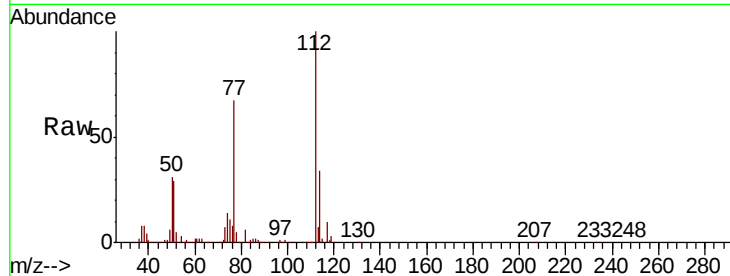
#65
Chlorobenzene
Concen: 133.51 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.6	38.4

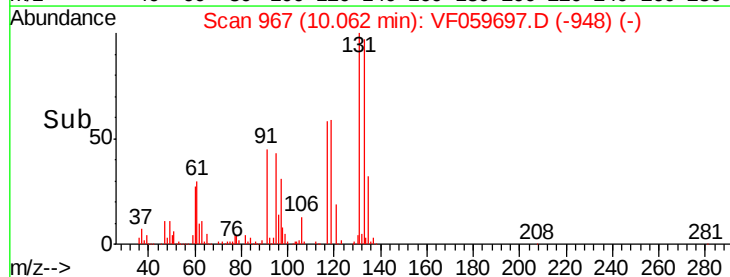
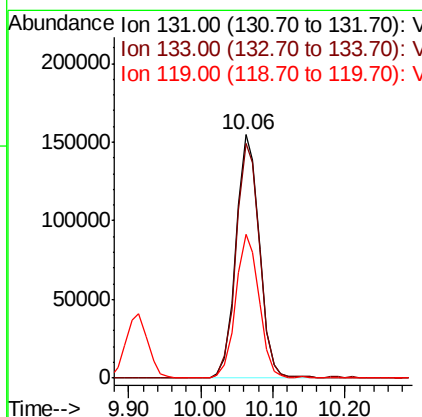
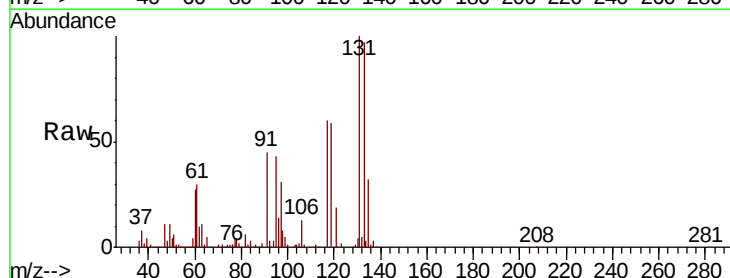
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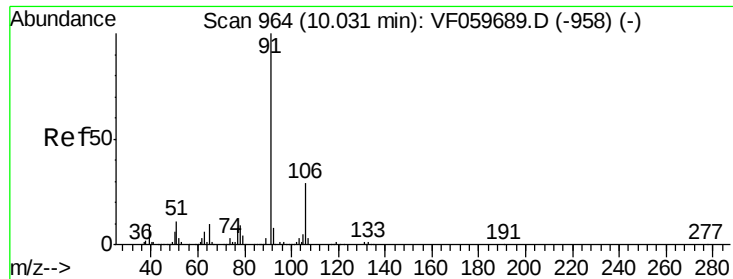
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#66
1,1,1,2-Tetrachloroethane
Concen: 141.15 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.5	145.5
119	59.1	30.3	90.8





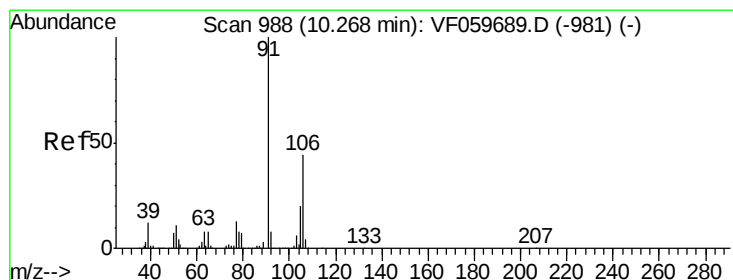
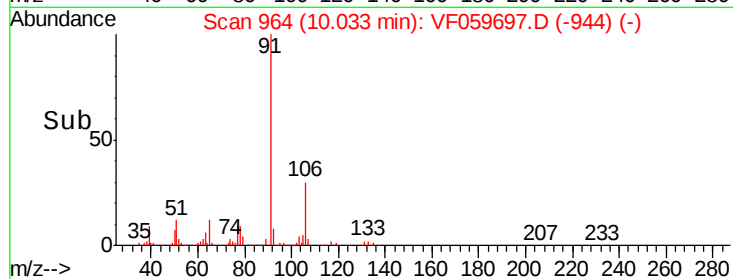
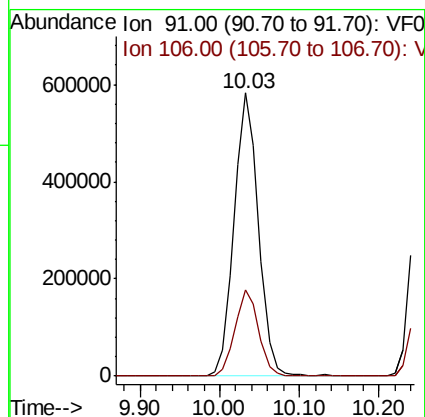
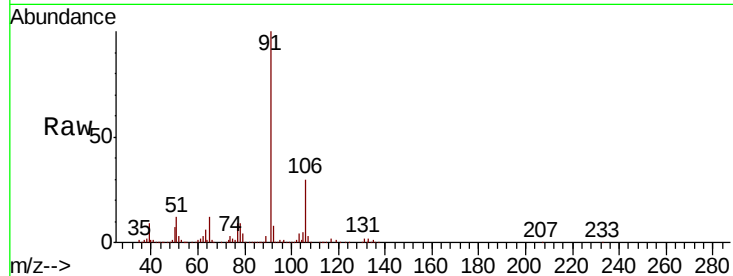
#67
Ethyl Benzene
Concen: 126.98 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1245354
Ion Ratio Lower Upper
91 100
106 30.3 22.9 34.3

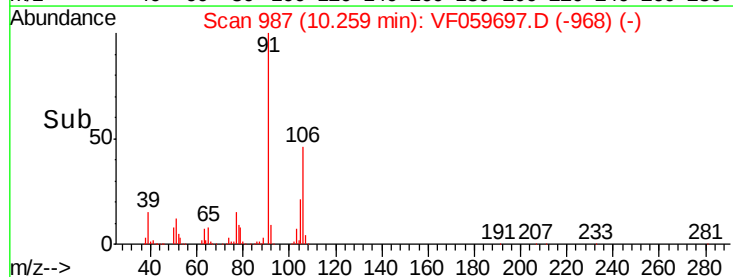
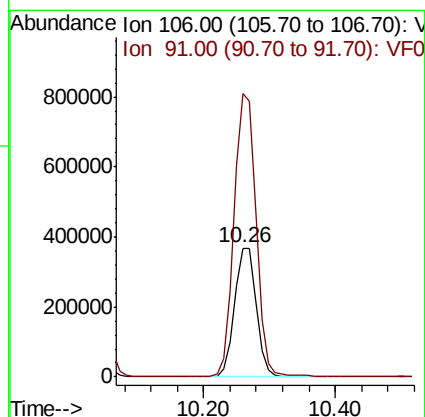
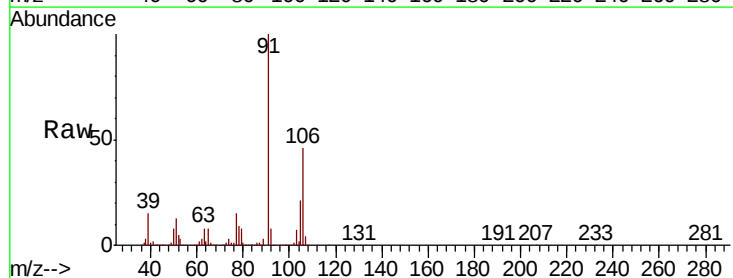
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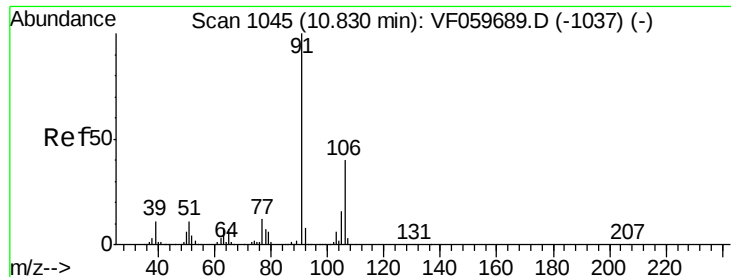
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#68
m/p-Xylenes
Concen: 251.37 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion: 106 Resp: 853150
Ion Ratio Lower Upper
106 100
91 219.4 181.7 272.5





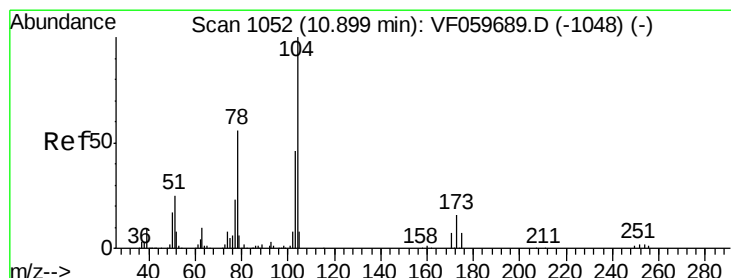
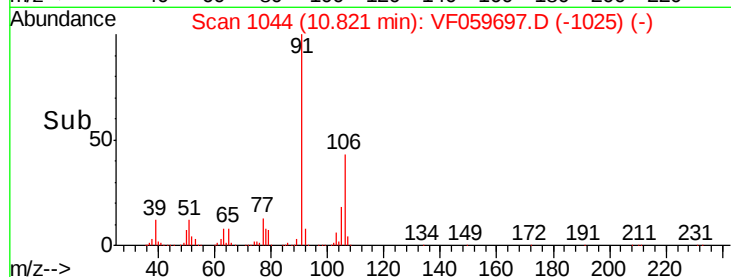
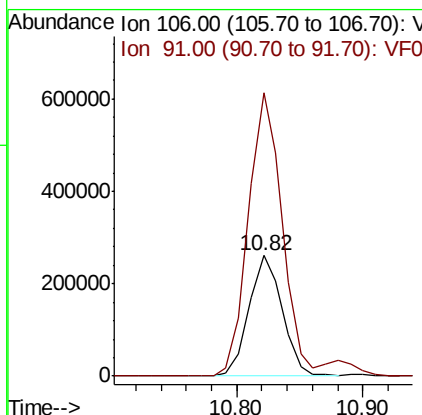
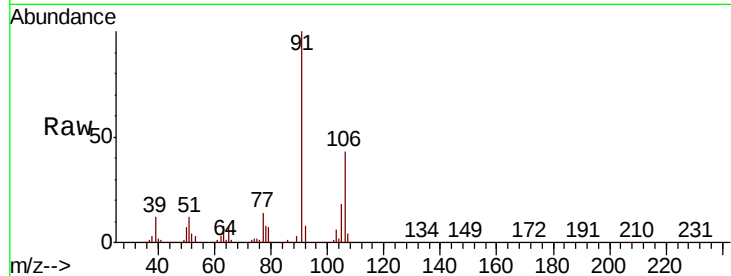
#69
o-Xylene
Concen: 130.90 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 479781
Ion Ratio Lower Upper
106 100
91 235.0 124.6 373.7

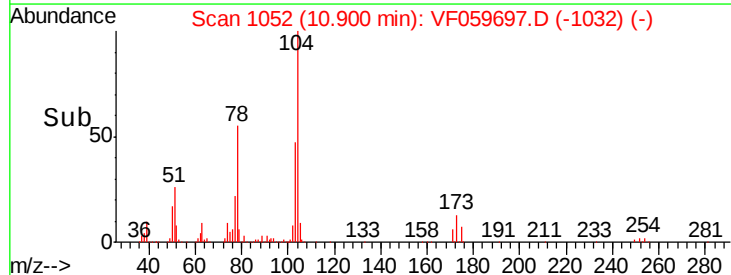
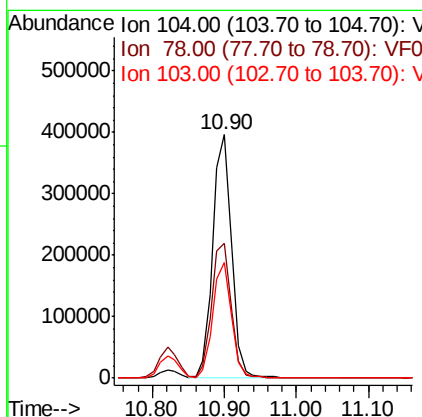
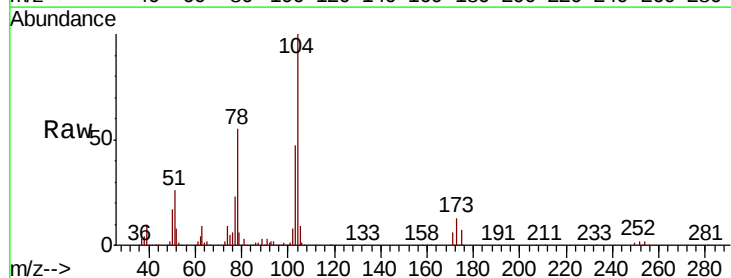
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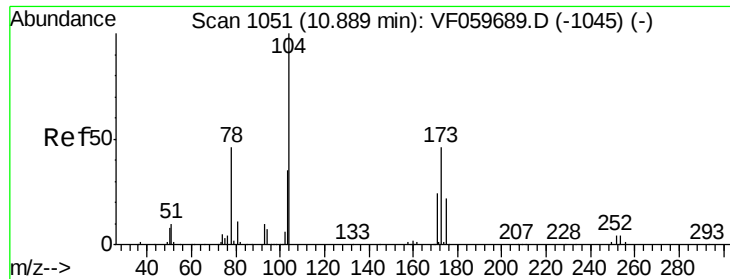
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#70
Styrene
Concen: 132.62 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion:104 Resp: 706918
Ion Ratio Lower Upper
104 100
78 55.2 45.3 67.9
103 47.3 36.6 54.8





#71

Bromoform

Concen: 154.81 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 237618

Ion Ratio Lower Upper

173 100

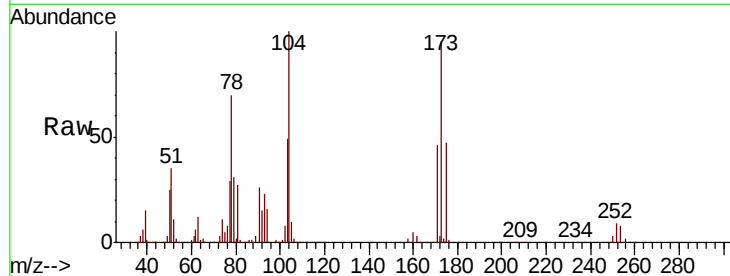
175 50.0 23.4 70.0

254 0.2 0.0 0.0#

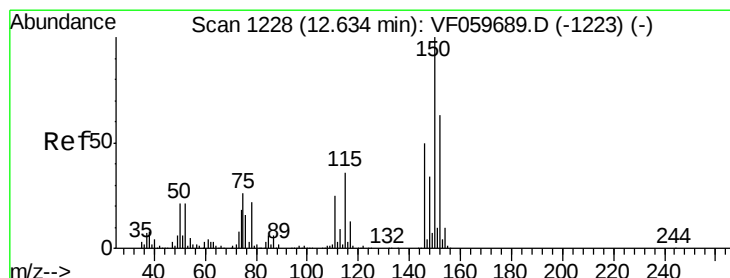
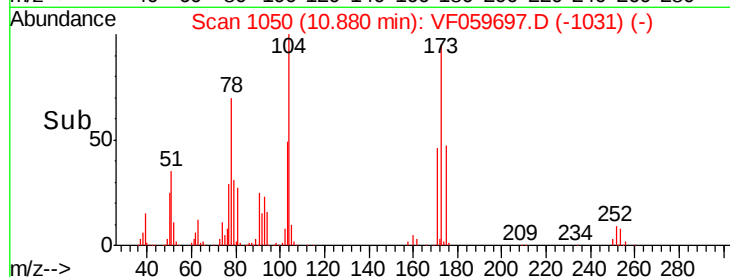
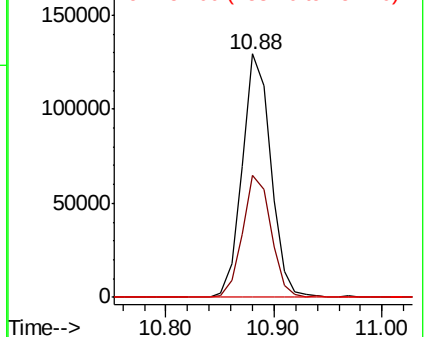
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

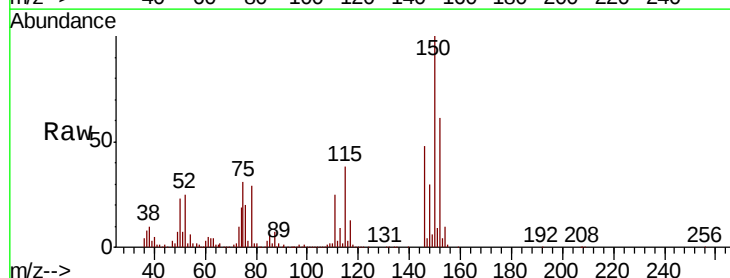
Tgt Ion:152 Resp: 180723

Ion Ratio Lower Upper

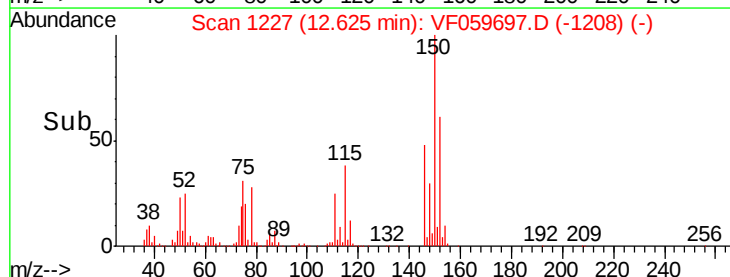
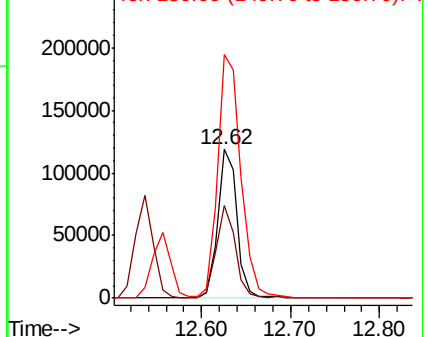
152 100

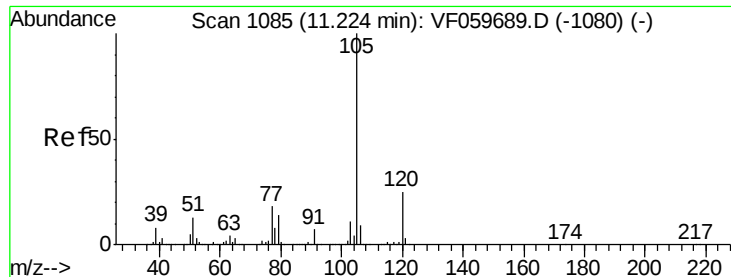
115 62.4 28.2 84.6

150 164.1 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 121.28 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1496065

Ion Ratio Lower Upper

105 100

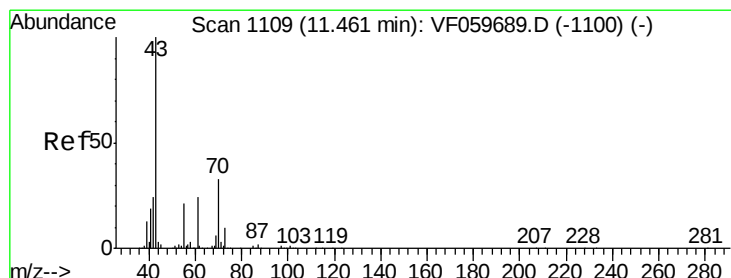
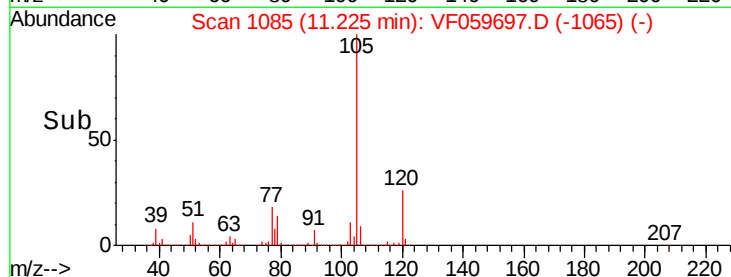
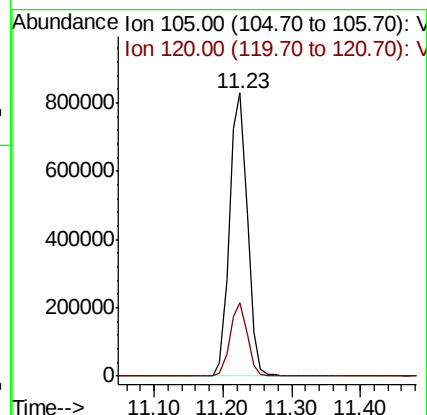
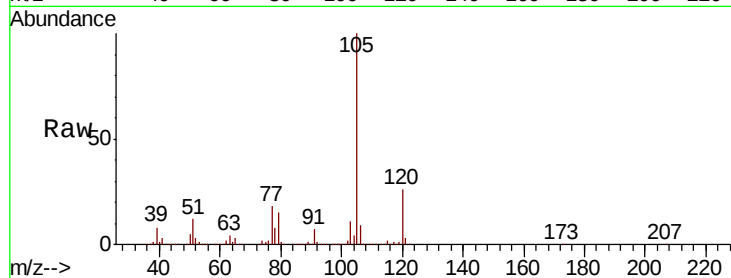
120 25.8 12.4 37.4

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#74

N-ethyl acetate

Concen: 156.62 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion: 43 Resp: 395960

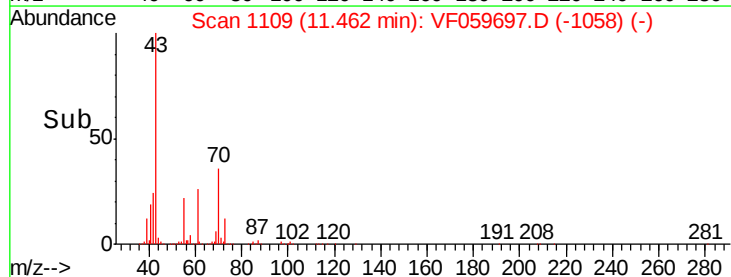
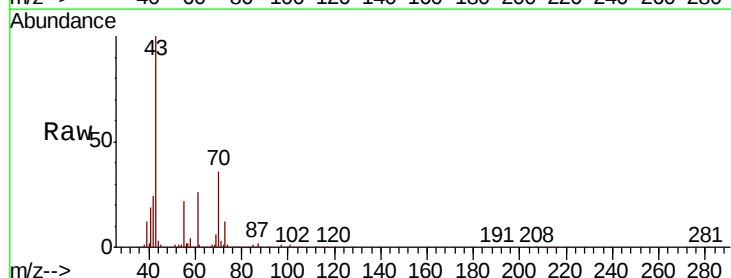
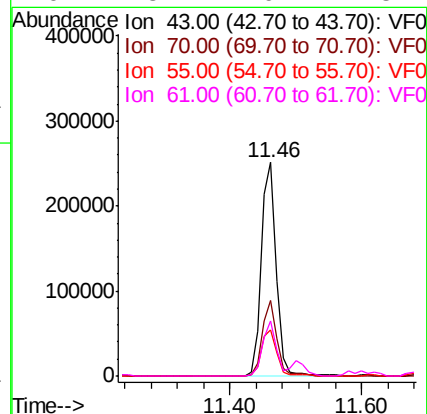
Ion Ratio Lower Upper

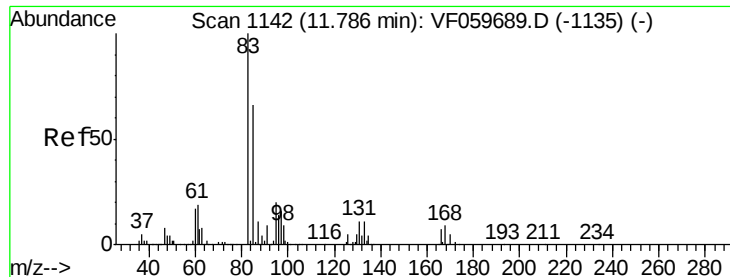
43 100

70 35.6 26.3 39.5

55 21.7 16.6 25.0

61 25.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 145.85 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

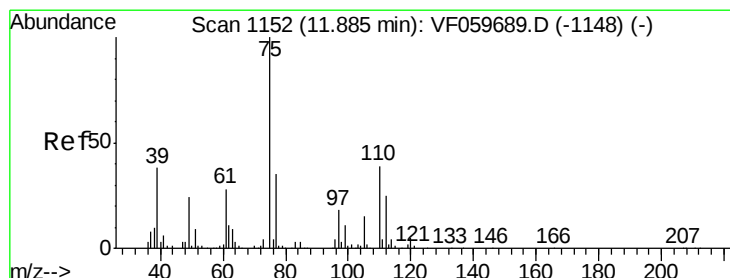
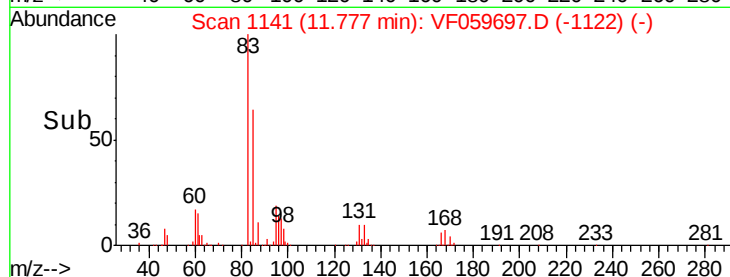
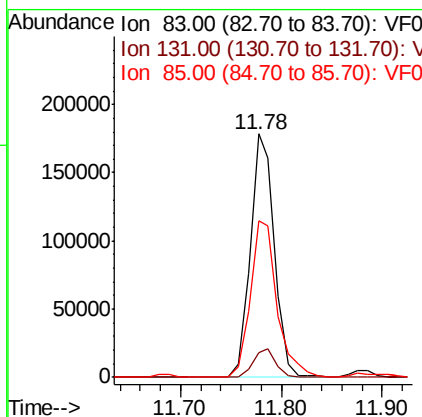
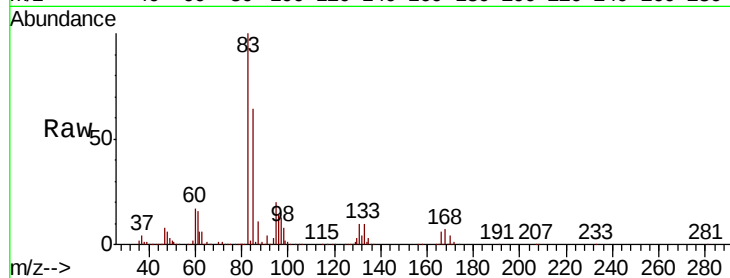
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	295447
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.3
85	64.2	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 151.30 ug/l

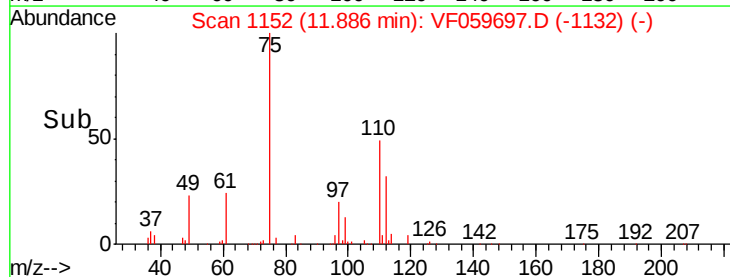
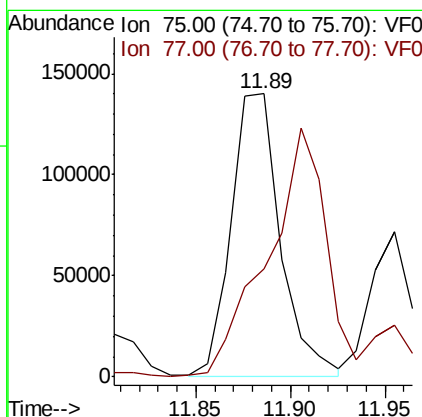
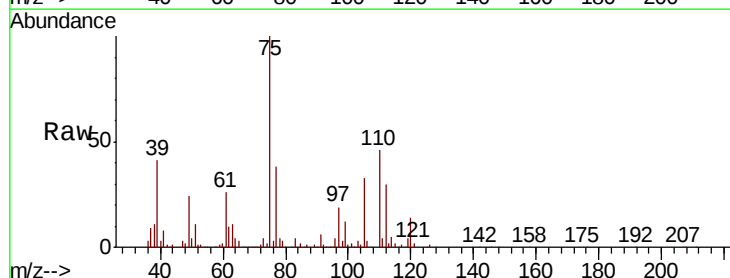
RT: 11.89 min Scan# 1152

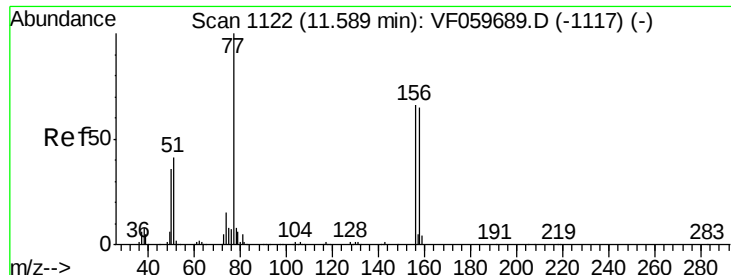
Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	75	Resp:	251709
Ion Ratio	Lower	Upper	
75	100		
77	38.1	18.0	54.0





#77

Bromobenzene

Concen: 129.22 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

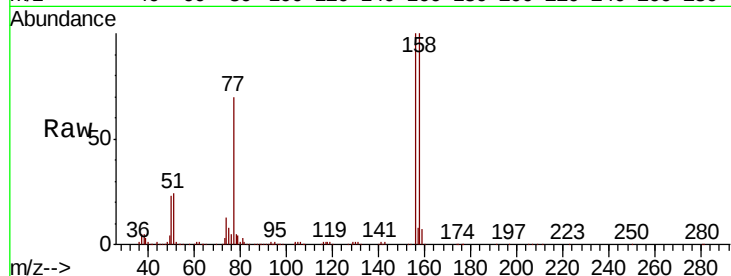
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	69.6	75.2	225.6#
158	99.8	49.1	147.3

Manual Integrations
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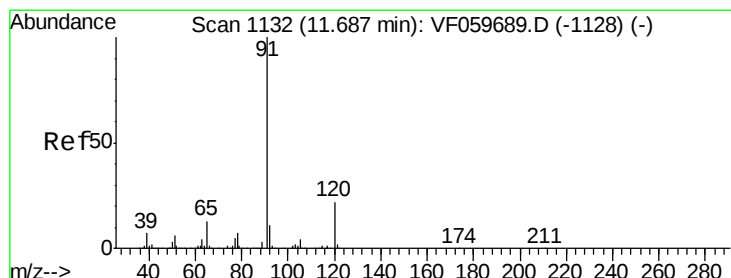
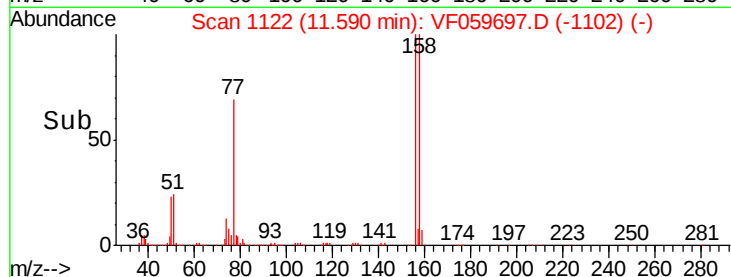
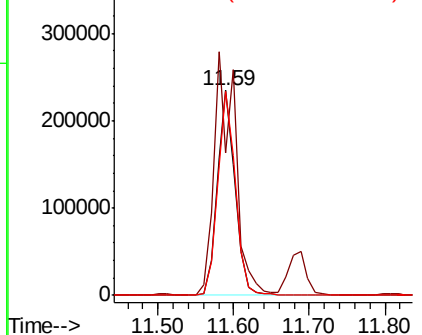
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 118.19 ug/l

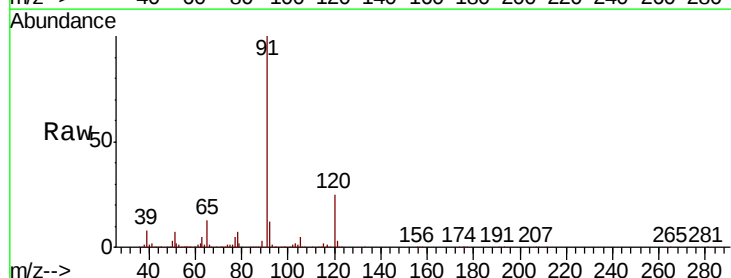
RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059697.D

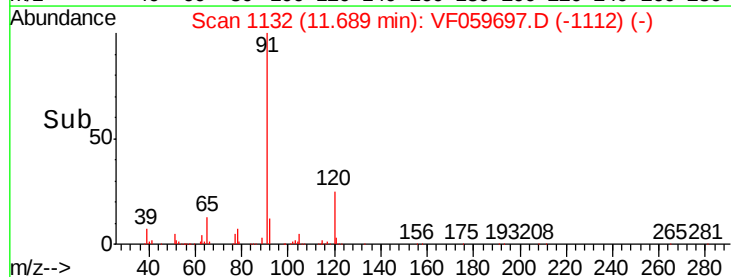
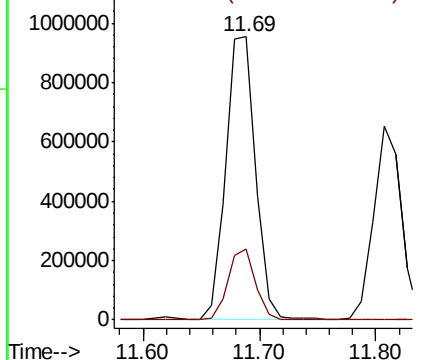
Acq: 30 Jul 2018 19:32

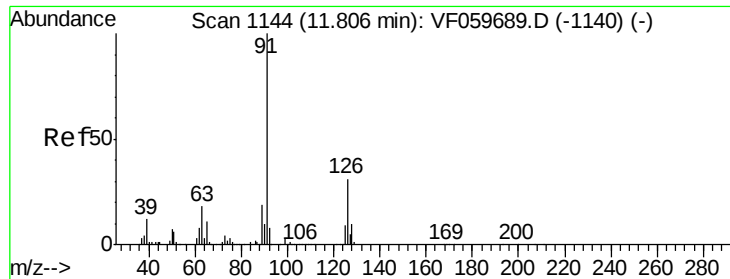
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





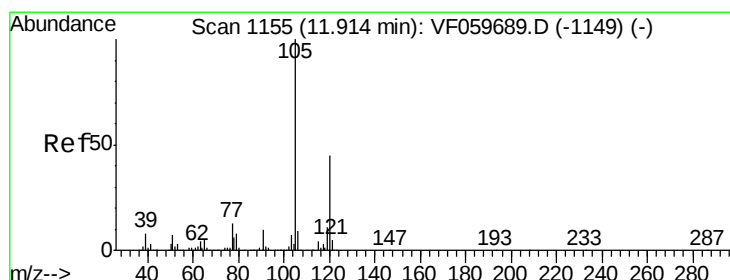
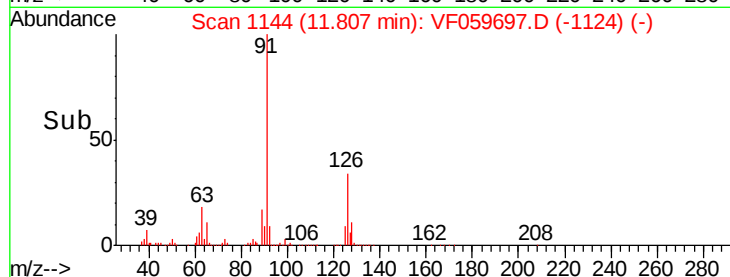
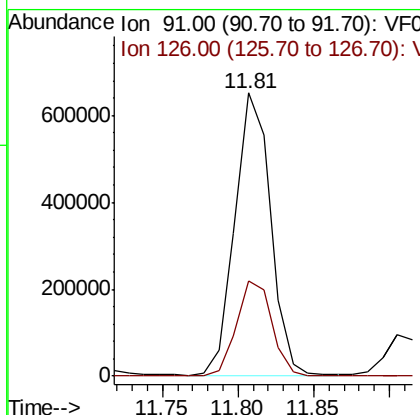
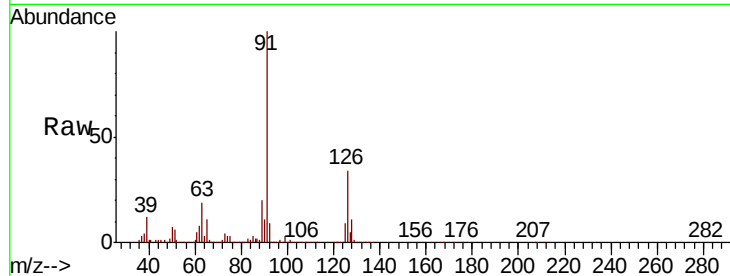
#79
 2-Chlorotoluene
 Concen: 123.19 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1065464
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.4 46.2

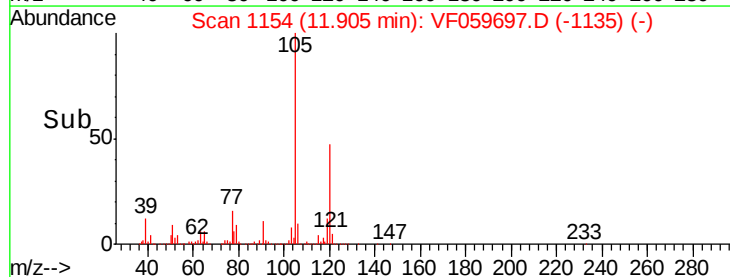
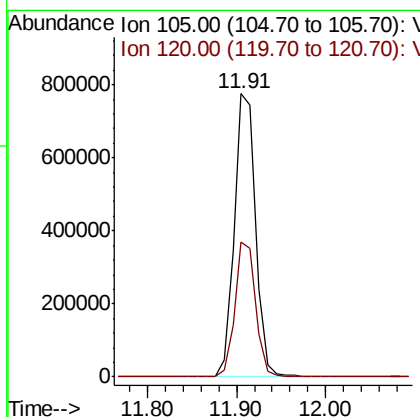
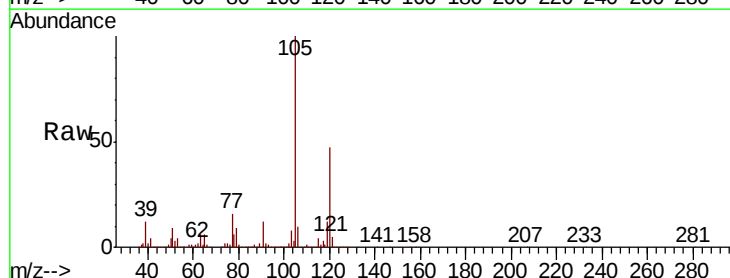
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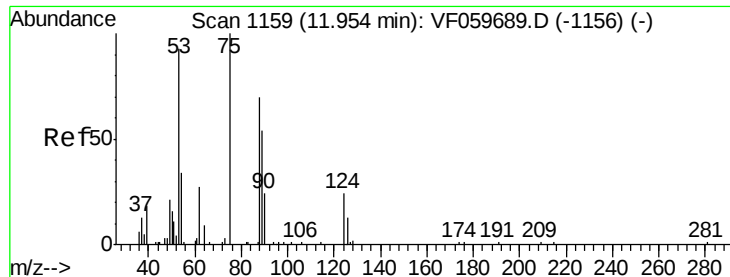
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 120.60 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion: 105 Resp: 1305753
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 131.84 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 113888

Ion Ratio Lower Upper

75 100

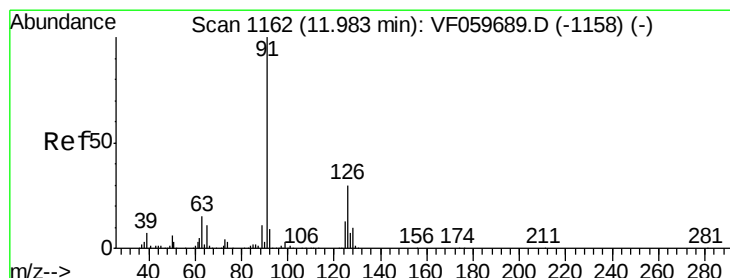
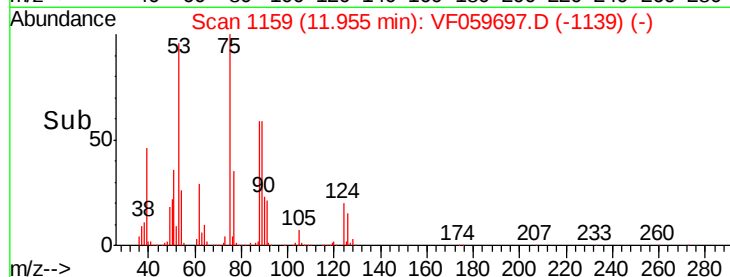
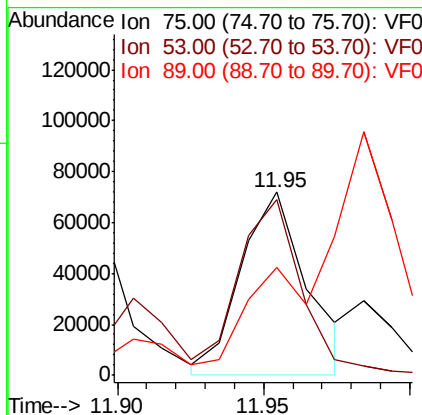
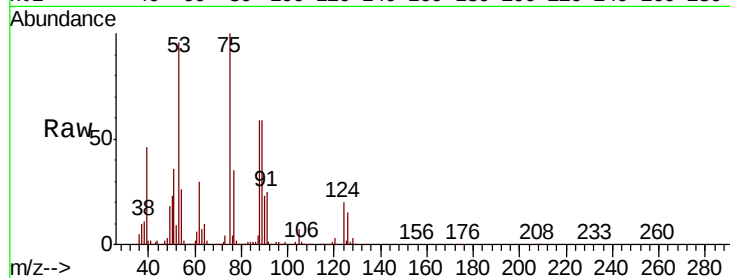
53 96.0 78.3 117.5

89 58.9 45.4 68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 126.90 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059697.D

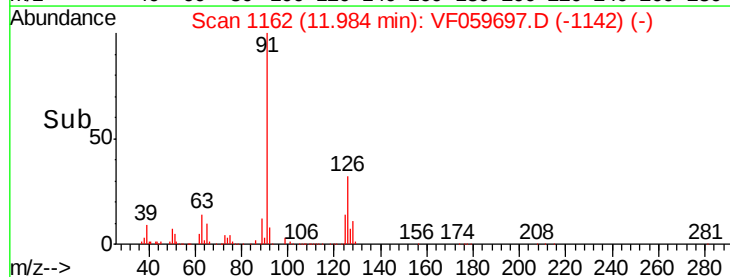
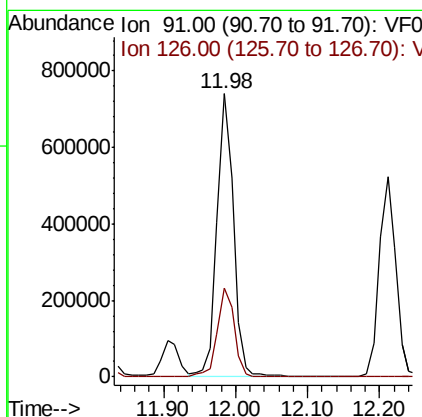
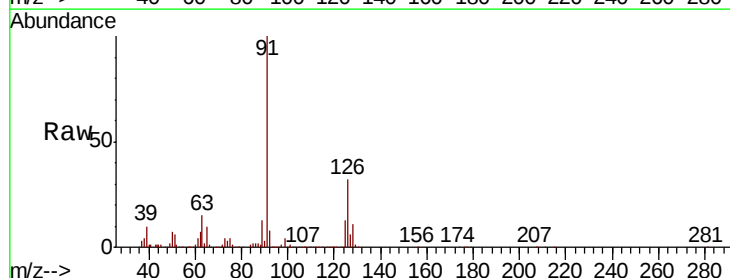
Acq: 30 Jul 2018 19:32

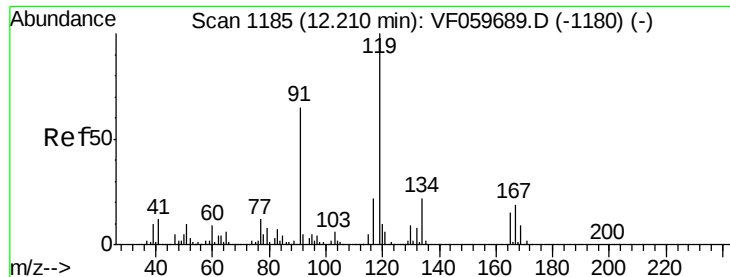
Tgt Ion: 91 Resp: 1156516

Ion Ratio Lower Upper

91 100

126 31.6 15.2 45.6





#83

tert-Butylbenzene

Concen: 117.73 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1288261

Ion Ratio Lower Upper

119 100

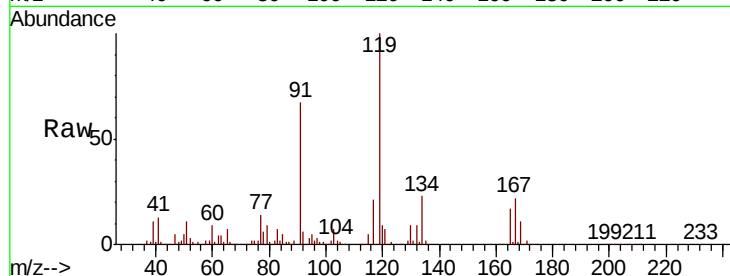
91 67.0 32.8 98.4

134 23.1 10.9 32.7

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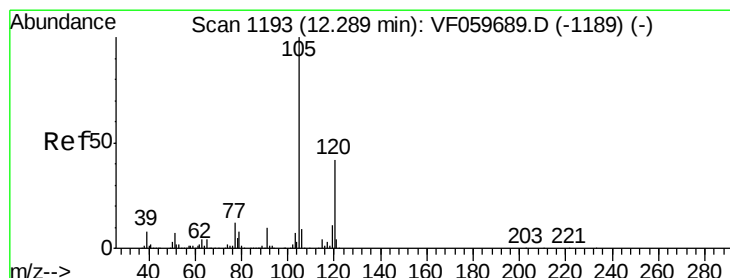
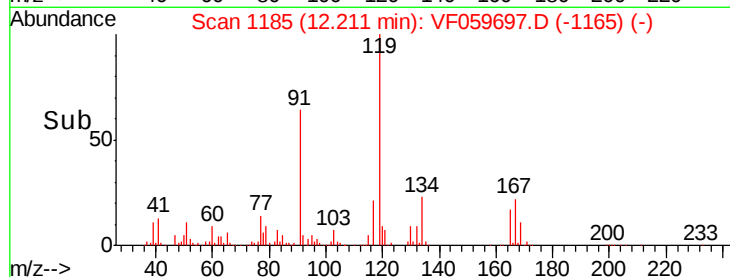
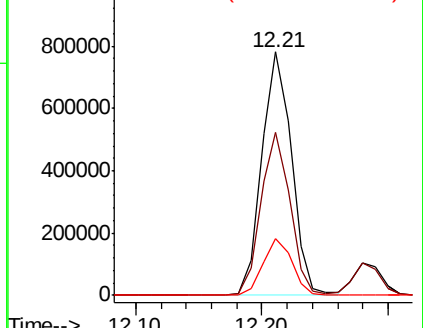
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 119.53 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059697.D

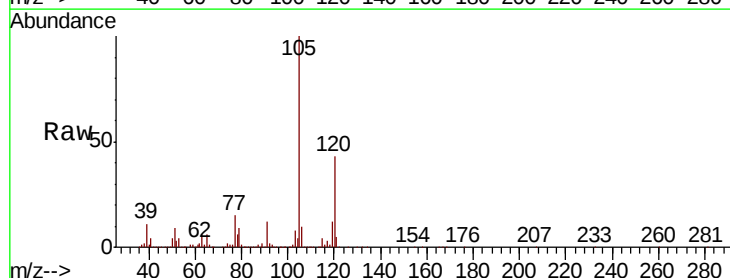
Acq: 30 Jul 2018 19:32

Tgt Ion:105 Resp: 1329798

Ion Ratio Lower Upper

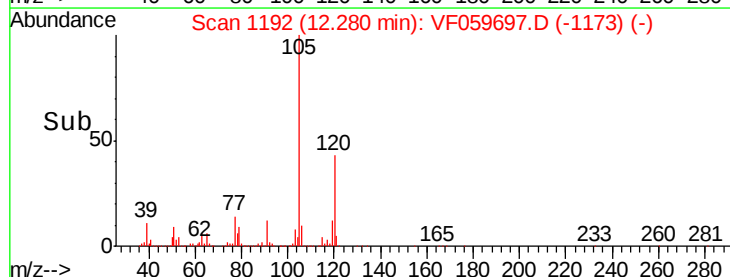
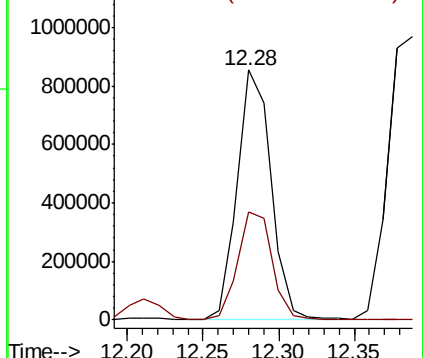
105 100

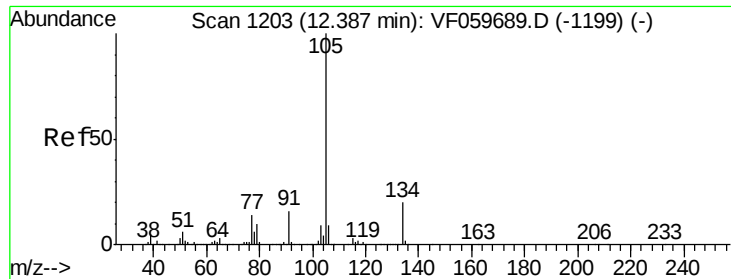
120 43.3 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 114.53 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1648829

Ion Ratio Lower Upper

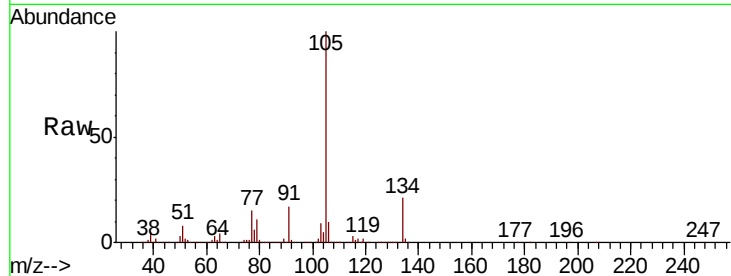
105 100

134 21.5 9.8 29.3

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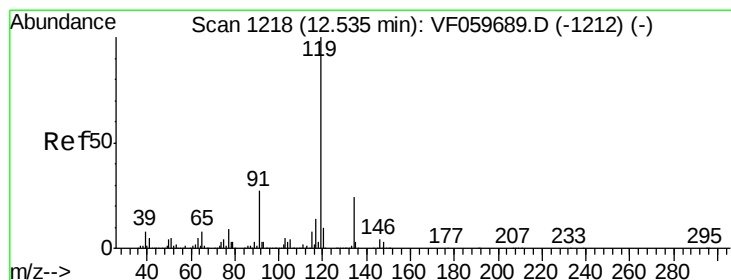
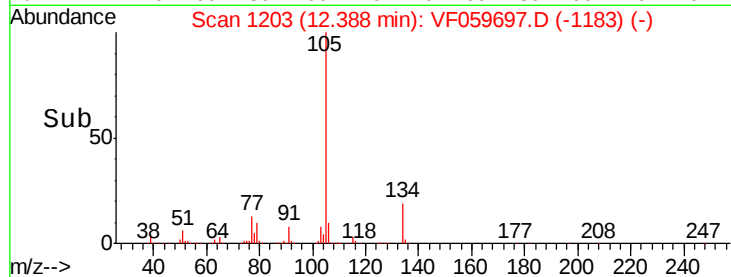
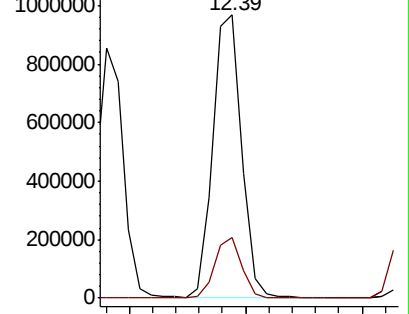
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 115.66 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

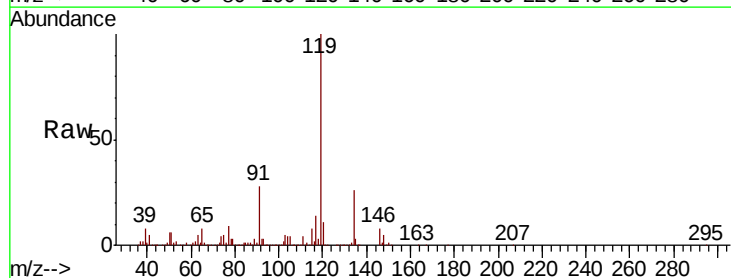
Tgt Ion:119 Resp: 1431776

Ion Ratio Lower Upper

119 100

134 26.3 12.2 36.6

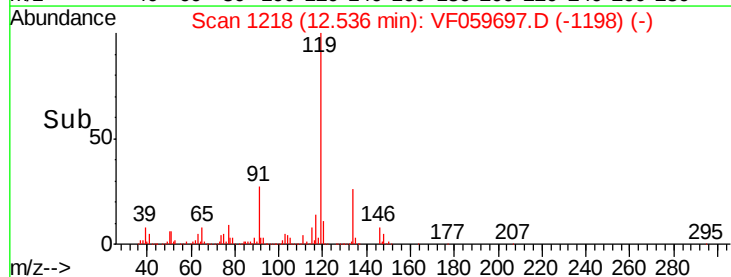
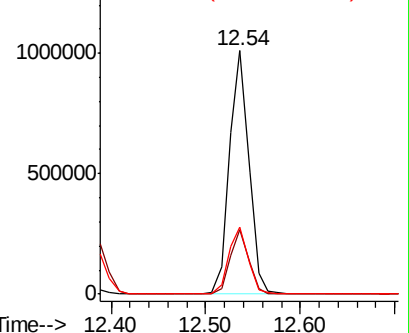
91 27.6 13.4 40.2

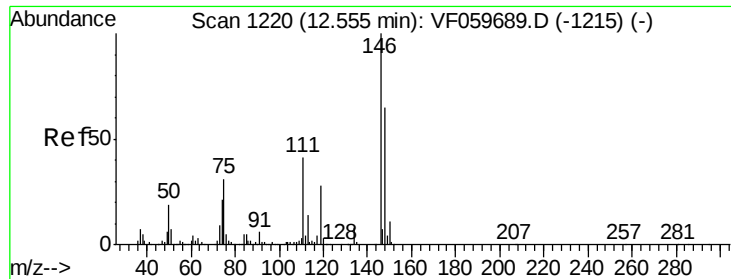


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





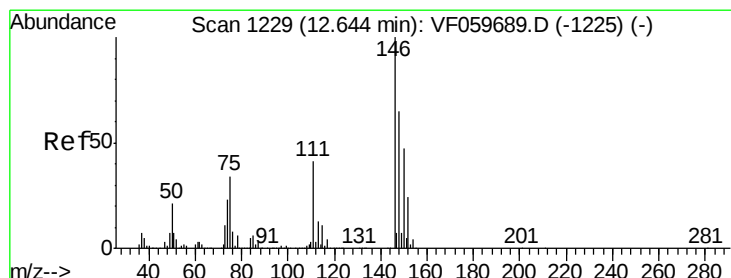
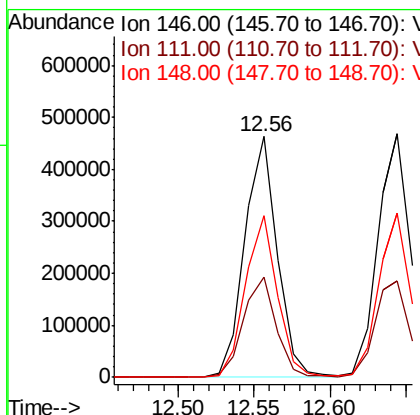
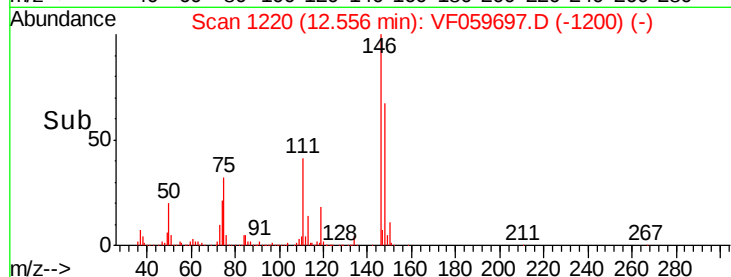
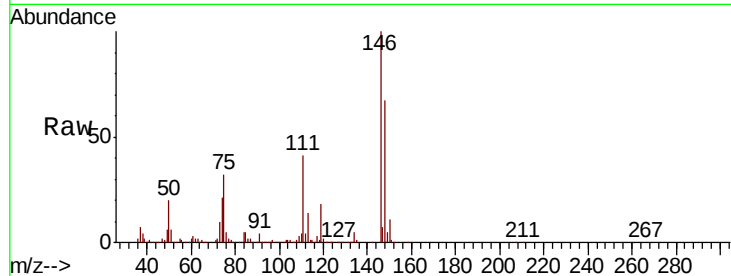
#87
 1,3-Dichlorobenzene
 Concen: 118.94 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	67.1	32.3	96.8

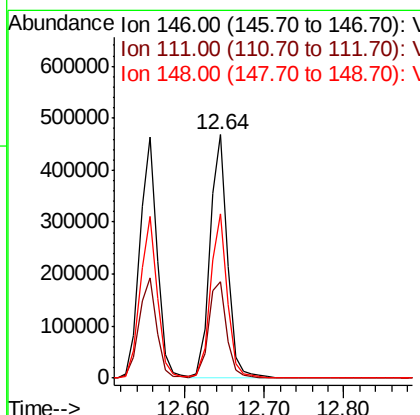
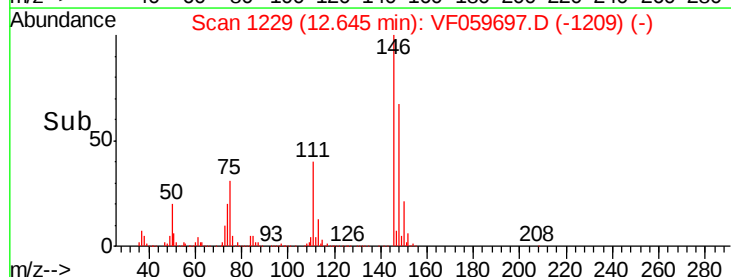
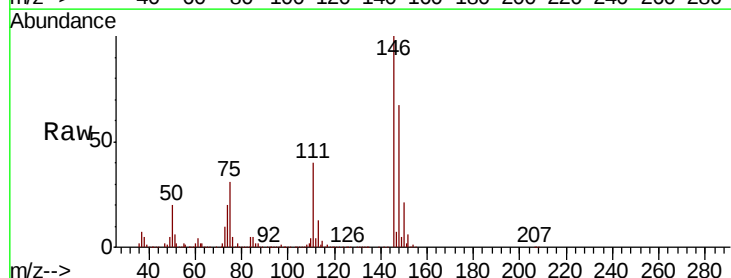
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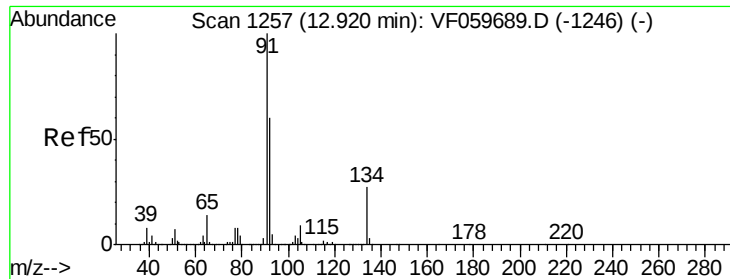
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#88
 1,4-Dichlorobenzene
 Concen: 129.43 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	67.4	32.3	96.9





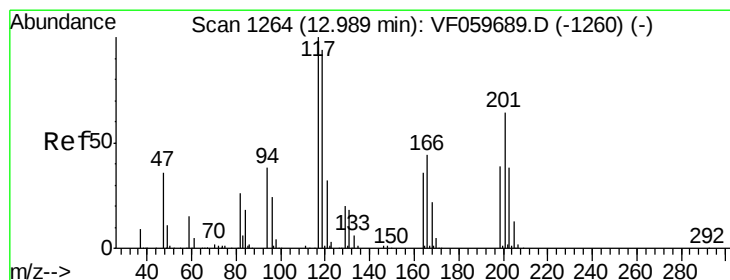
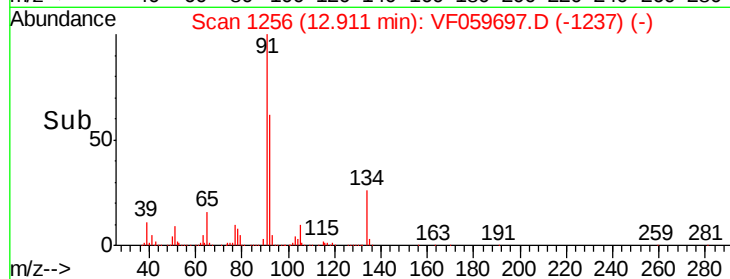
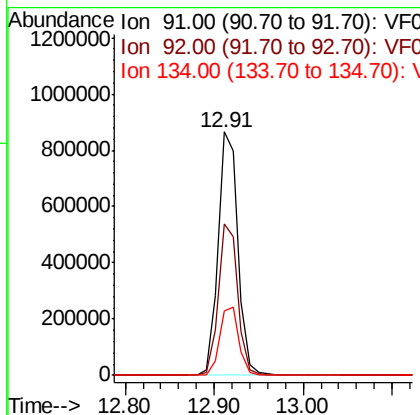
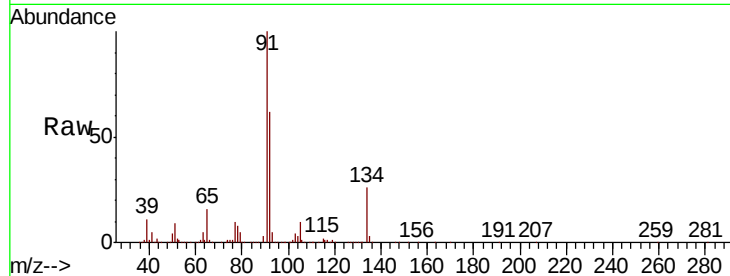
#89
n-Butylbenzene
Concen: 112.62 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.1	30.1	90.3
134	26.2	13.7	41.0

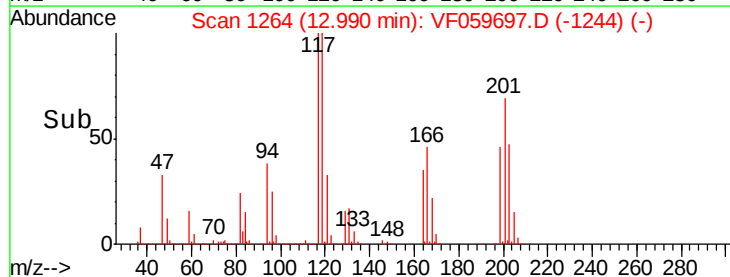
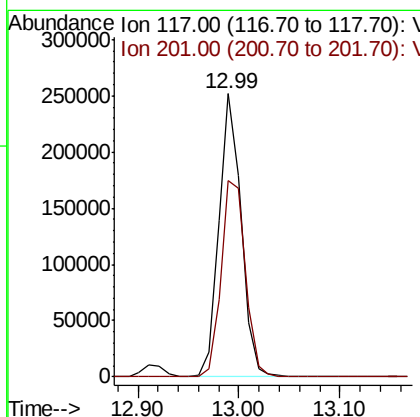
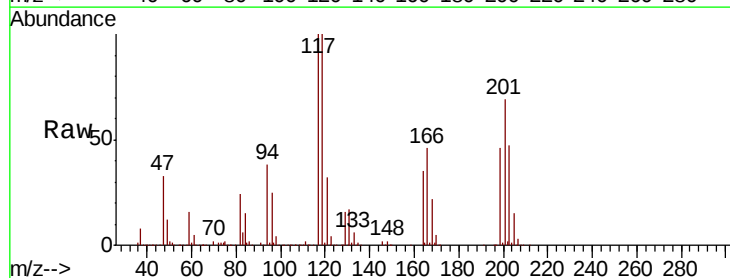
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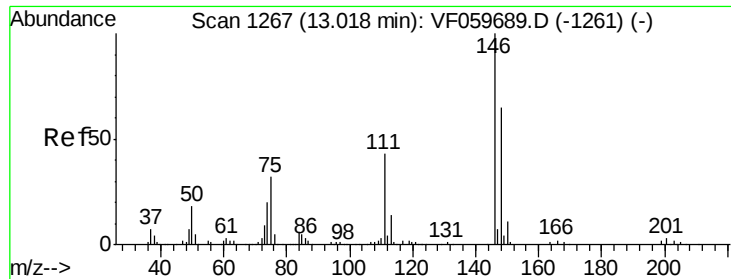
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#90
Hexachloroethane
Concen: 122.28 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 128.80 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Instrument :

MSVOA_F

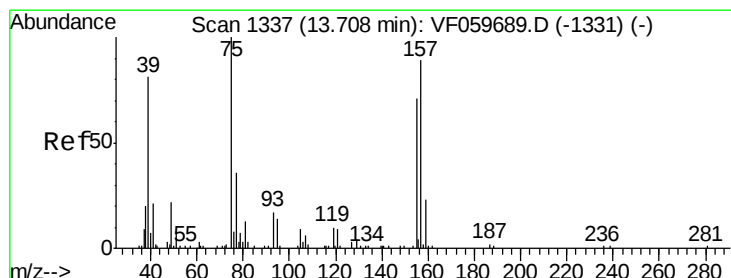
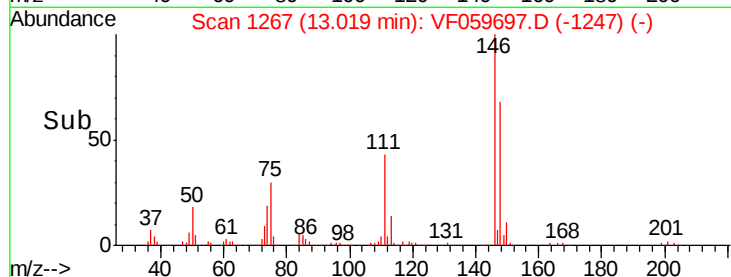
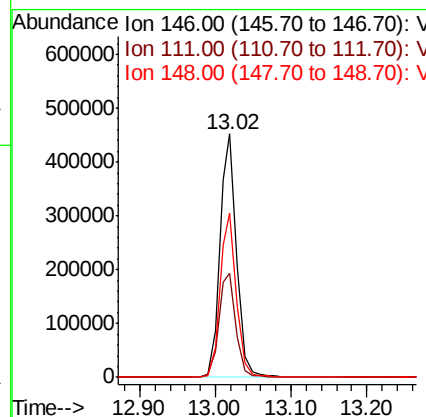
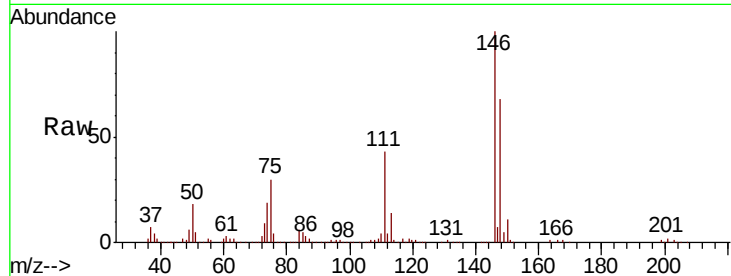
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	699168
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.6	65.0
148	67.6	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 166.90 ug/l

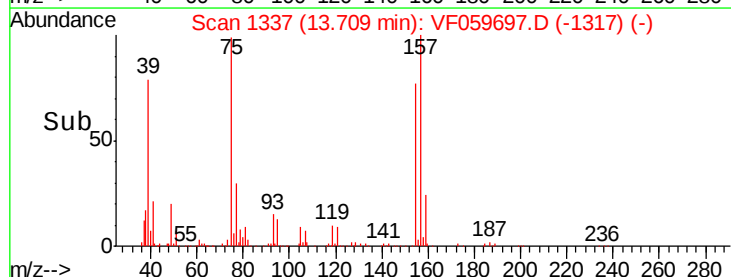
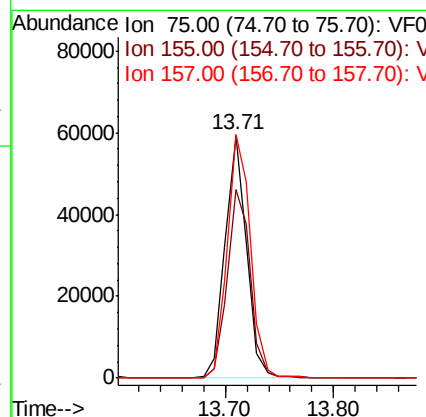
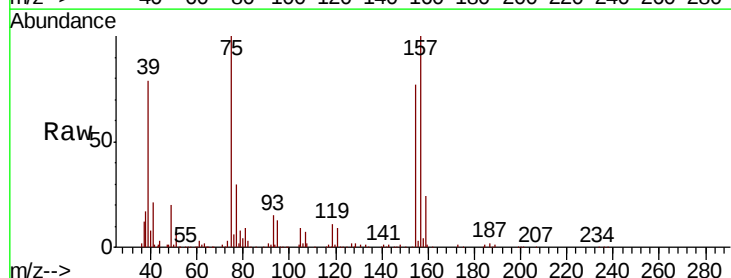
RT: 13.71 min Scan# 1337

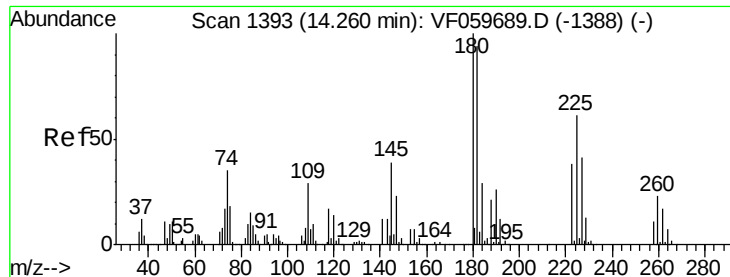
Delta R.T. 0.00 min

Lab File: VF059697.D

Acq: 30 Jul 2018 19:32

Tgt Ion:	75	Resp:	82227
Ion Ratio	Lower	Upper	
75	100		
155	77.6	35.4	106.2
157	100.4	44.4	133.2





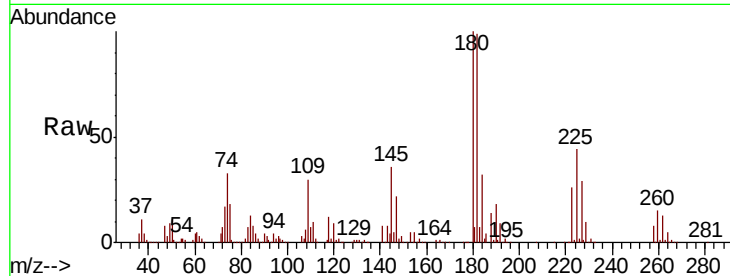
#93
 1,2,4-Trichlorobenzene
 Concen: 125.88 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	547616		
182	98.9	47.2	141.6	
145	36.2	19.3	57.9	

Manual Integrations
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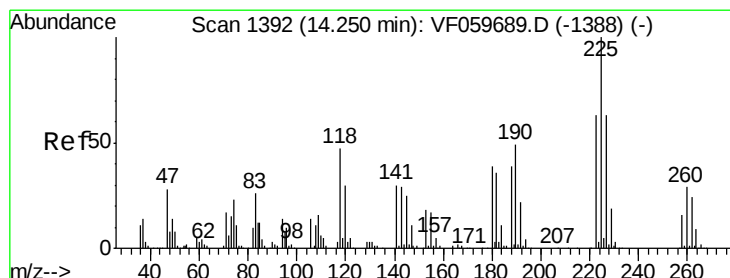
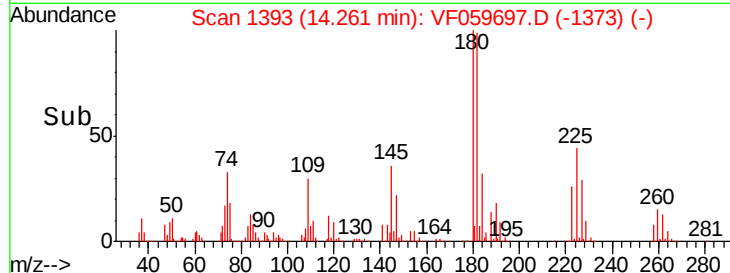
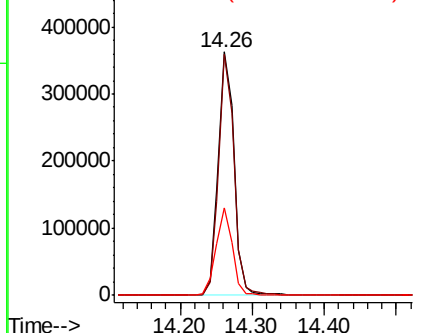


Abundance

Ion 180.00 (179.70 to 180.70): V

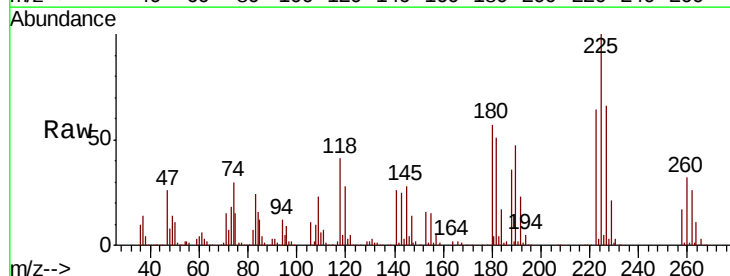
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 117.74 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059697.D
 Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	376841		
223	63.8	31.4	94.2	
227	66.3	31.5	94.5	

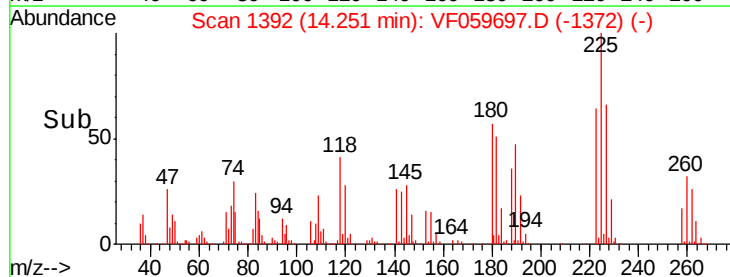
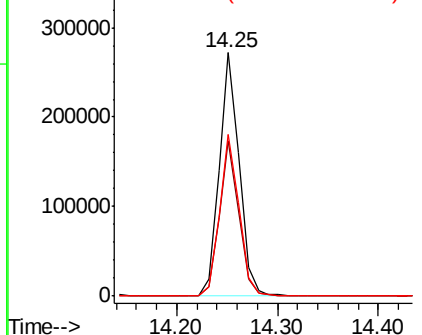


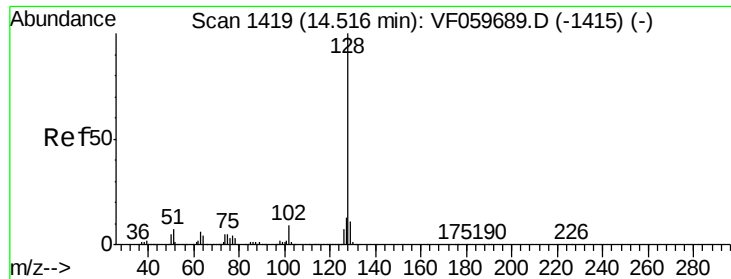
Abundance

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





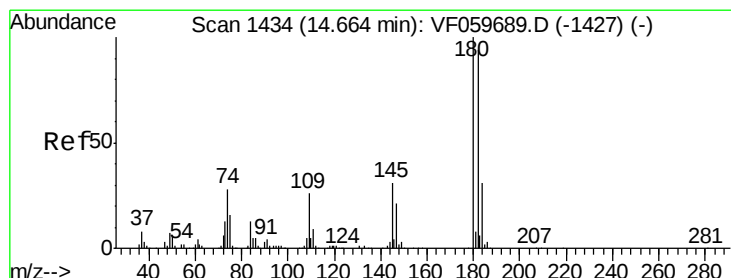
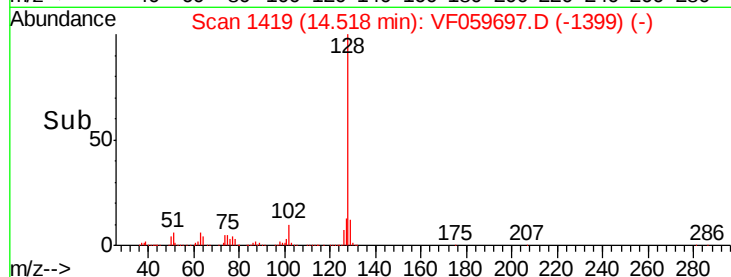
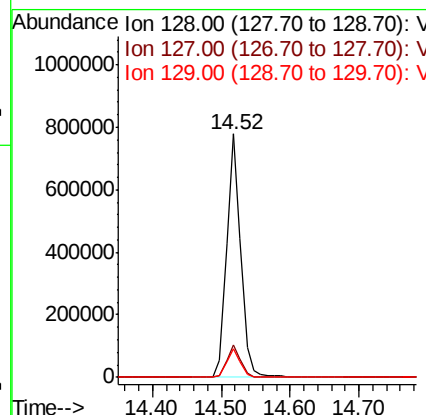
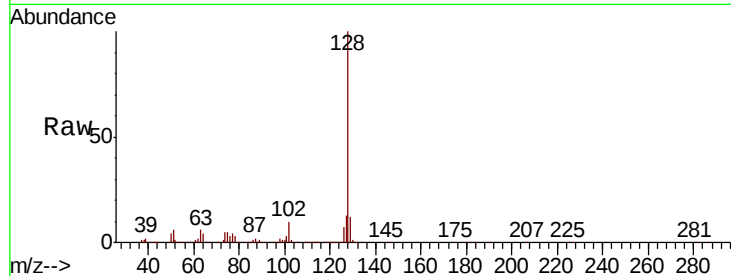
#95
Naphthalene
Concen: 158.75 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	11.6	8.6	13.0

Manual Integrations
APPROVED

apatel
7/31/2018 12:13:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 139.94 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059697.D
Acq: 30 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.2	141.6
145	32.2	15.6	46.7

