

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059611.D
 Acq On : 23 Jul 2018 13:23
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 7/24/2018 1:13:25 PM

Quant Time: Jul 23 16:05:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:51:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	327315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	318373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	169708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	36365	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
35) Dibromofluoromethane	4.29	113	29536	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	
50) Toluene-d8	7.71	98	74437	10.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.82%	
62) 4-Bromofluorobenzene	11.51	95	40949	10.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	30684	10.69	ug/l	84
3) Chloromethane	1.08	50	15128	10.50	ug/l	94
4) Vinyl Chloride	1.14	62	13973	8.88	ug/l #	84
5) Bromomethane	1.34	94	14590	12.32	ug/l	97
6) Chloroethane	1.42	64	9179	10.64	ug/l #	89
7) Trichlorofluoromethane	1.49	101	42923	11.84	ug/l	87
8) Diethyl Ether	1.69	74	6027	8.99	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.89	101	23207	12.82	ug/l #	88
10) Methyl Iodide	1.96	142	39132	12.62	ug/l	97
11) Tert butyl alcohol	2.68	59	8071	51.78	ug/l	99
12) 1,1-Dichloroethene	1.85	96	17623	10.34	ug/l	96
13) Acrolein	2.08	56	3013	37.43	ug/l	99
14) Allyl chloride	2.19	41	29343	11.95	ug/l	90
15) Acrylonitrile	3.05	53	12518	46.09	ug/l #	72
16) Acetone	2.33	43	34117	56.56	ug/l	98
17) Carbon Disulfide	1.86	76	46837	11.92	ug/l	95
18) Methyl Acetate	2.44	43	12106m	9.92	ug/l	
19) Methyl tert-butyl Ether	2.53	73	49707	9.61	ug/l	94
20) Methylene Chloride	2.27	84	22211	11.46	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	18988	11.47	ug/l	85
22) Diisopropyl ether	2.92	45	57495	9.79	ug/l #	91
23) Vinyl Acetate	3.33	43	144682	44.10	ug/l #	97
24) 1,1-Dichloroethane	2.99	63	41379	10.91	ug/l	97
25) 2-Butanone	4.50	43	33196	43.30	ug/l	94
26) 2,2-Dichloropropane	3.76	77	35838	13.30	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	20167	10.74	ug/l	93
28) Bromochloromethane	3.88	49	14890	9.55	ug/l	93
29) Tetrahydrofuran	4.25	42	13402	40.30	ug/l	98
30) Chloroform	4.03	83	55864	10.41	ug/l	92
31) Cyclohexane	3.87	56	24473	11.80	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	54376	13.70	ug/l	93
36) 1,1-Dichloropropene	4.44	75	34998	10.66	ug/l	91
37) Ethyl Acetate	4.28	43	11958	6.72	ug/l #	77
38) Carbon Tetrachloride	4.16	117	56282m	12.92	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	28423	10.92	ug/l #	82
40) Benzene	4.80	78	63763	10.09	ug/l	99
41) Methacrylonitrile	4.92	41	6567	7.46	ug/l #	68
42) 1,2-Dichloroethane	5.10	62	42742	10.07	ug/l	100
43) Isopropyl Acetate	7.11	43	16963	7.81	ug/l #	99
44) Trichloroethene	5.67	130	24701	10.38	ug/l	98
45) 1,2-Dichloropropane	6.40	63	17475	10.03	ug/l	95
46) Dibromomethane	6.25	93	12884	8.38	ug/l	93
47) Bromodichloromethane	6.54	83	42068	9.93	ug/l #	96
48) Methyl methacrylate	6.87	41	13703	8.85	ug/l #	80
49) 1,4-Dioxane	6.87	88	1347	153.38	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	59492	38.74	ug/l	98
52) Toluene	7.78	92	48620	10.36	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	34036	9.07	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	33171	8.84	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	15621	8.84	ug/l	87
56) Ethyl methacrylate	8.75	69	16256	7.72	ug/l	90
57) 1,3-Dichloropropane	9.00	76	26704	8.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	11206	56.96	ug/l	100
59) 2-Hexanone	9.63	43	46061	38.25	ug/l	96
60) Dibromochloromethane	8.86	129	27264	9.12	ug/l	88
61) 1,2-Dibromoethane	9.13	107	17649	8.41	ug/l	85
64) Tetrachloroethene	8.31	164	27097	11.37	ug/l #	84
65) Chlorobenzene	9.93	112	63921	10.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	28778	10.45	ug/l	94
67) Ethyl Benzene	10.03	91	117939	10.98	ug/l	99
68) m/p-Xylenes	10.26	106	82083	22.25	ug/l	93
69) o-Xylene	10.82	106	45095	11.15	ug/l	79
70) Styrene	10.90	104	65805	10.86	ug/l	93
71) Bromoform	10.89	173	16592	8.86	ug/l	96
73) Isopropylbenzene	11.23	105	138205	13.10	ug/l	99
74) N-amyl acetate	11.46	43	26977	8.76	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	21500	10.02	ug/l	87
76) 1,2,3-Trichloropropane	11.88	75	19088	10.65	ug/l	83
77) Bromobenzene	11.59	156	34268	11.72	ug/l	96
78) n-propylbenzene	11.69	91	170375	13.75	ug/l	98
79) 2-Chlorotoluene	11.81	91	103046	13.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	126398	14.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	7125m	8.15	ug/l	
82) 4-Chlorotoluene	11.98	91	112823	13.45	ug/l	100
83) tert-Butylbenzene	12.21	119	129366	14.72	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	128916	13.80	ug/l	99
85) sec-Butylbenzene	12.39	105	160656	14.30	ug/l	97
86) p-Isopropyltoluene	12.54	119	139441	14.24	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	71845	14.00	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	58405	11.49	ug/l	95
89) n-Butylbenzene	12.92	91	134295	14.53	ug/l	96
90) Hexachloroethane	12.99	117	33496	14.20	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	64262	13.12	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4615	8.78	ug/l	97

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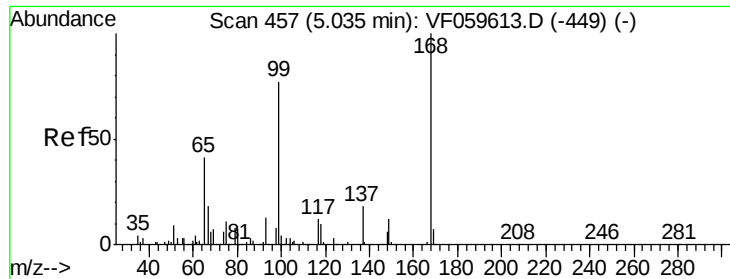
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	47986	14.72	µg/l	92
94) Hexachlorobutadiene	14.25	225	32282	16.99	µg/l	96
95) Naphthalene	14.52	128	70795	11.39	µg/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	40738	13.85	µg/l	97

(#) = 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: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 229807

Ion Ratio Lower Upper

168 100

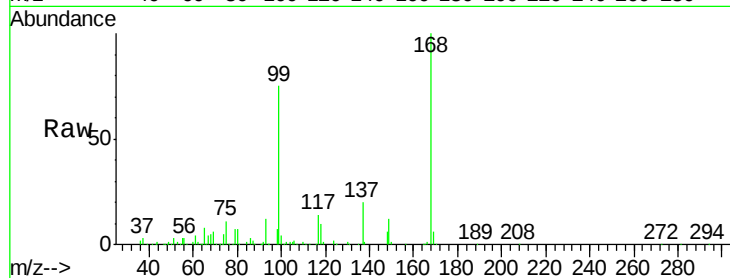
99 75.0 61.5 92.3

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

80000

60000

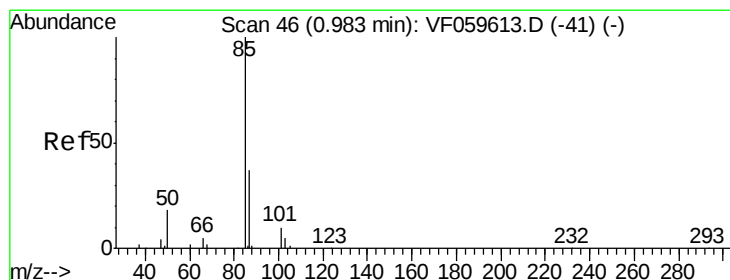
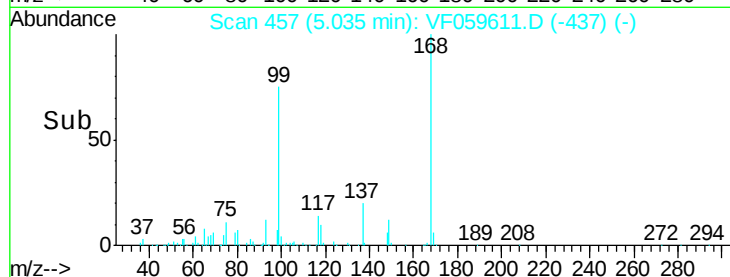
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 10.69 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059611.D

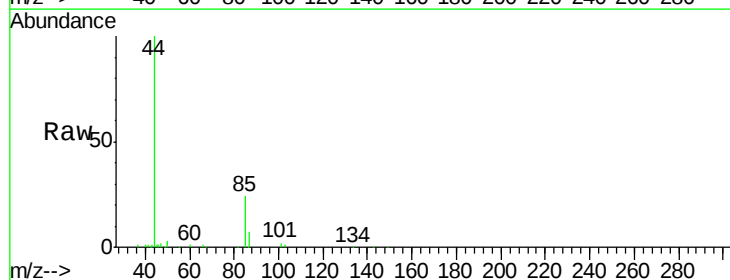
Acq: 23 Jul 2018 13:23

Tgt Ion: 85 Resp: 30684

Ion Ratio Lower Upper

85 100

87 27.2 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

10000

8000

6000

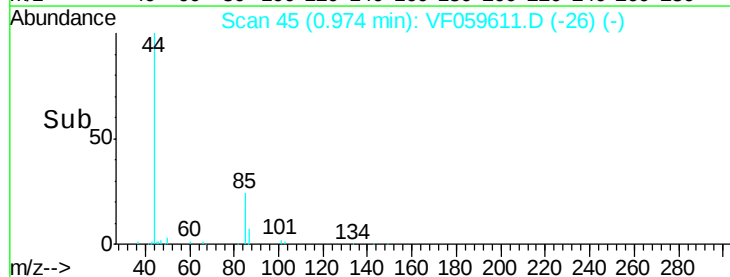
4000

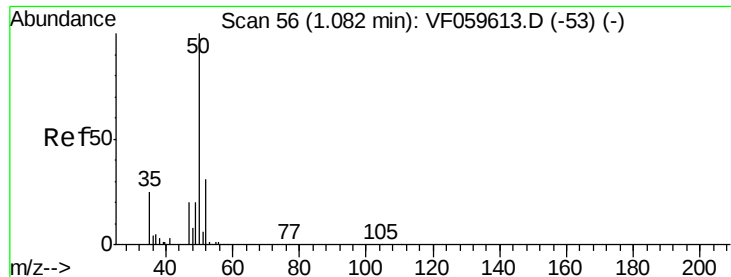
2000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 10.50 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 15128

Ion Ratio Lower Upper

50 100

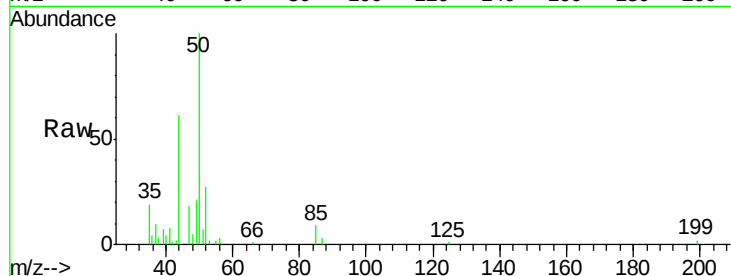
52 26.6 23.7 35.5

Manual Integrations

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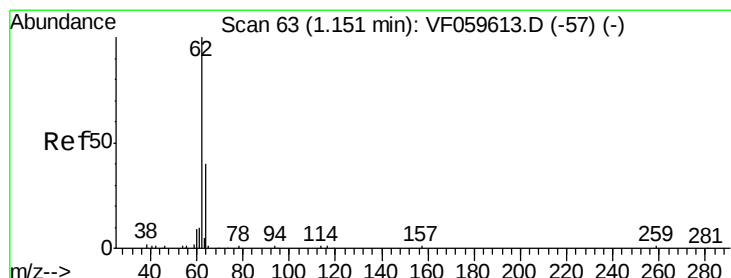
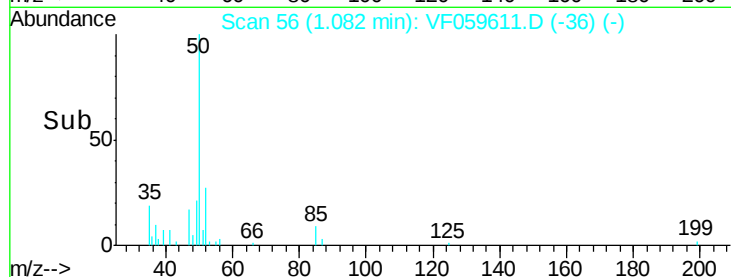
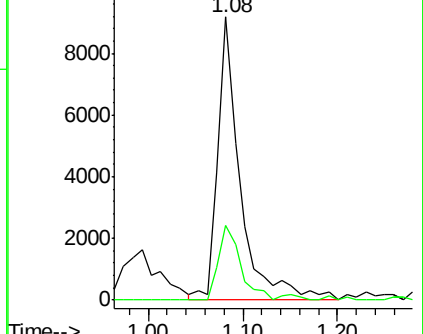
apatel

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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: 8.88 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059611.D

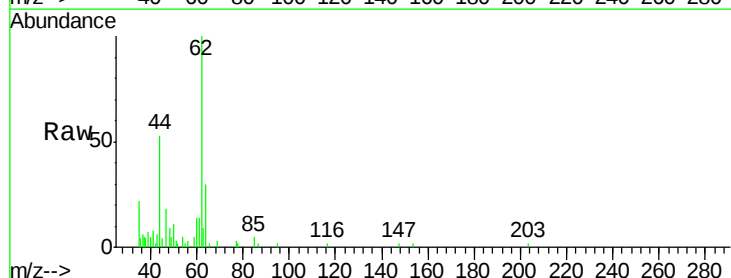
Acq: 23 Jul 2018 13:23

Tgt Ion: 62 Resp: 13973

Ion Ratio Lower Upper

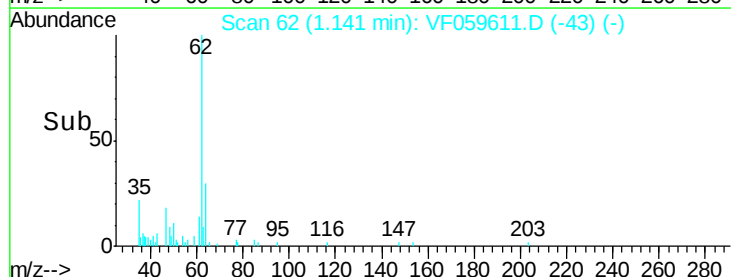
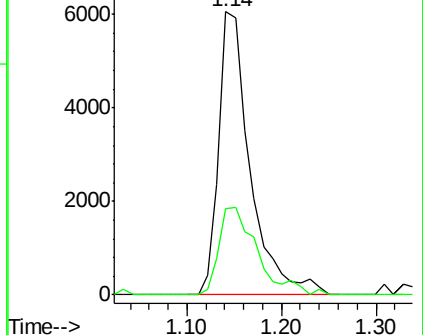
62 100

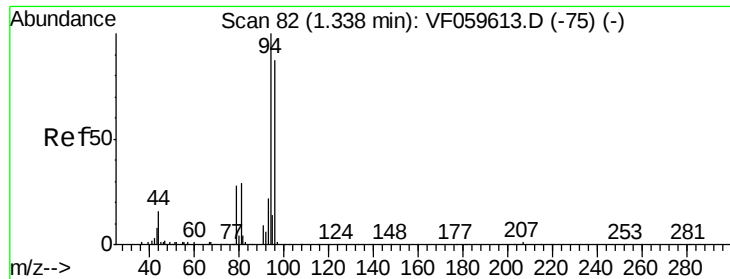
64 30.4 32.2 48.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 12.32 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14590

Ion Ratio Lower Upper

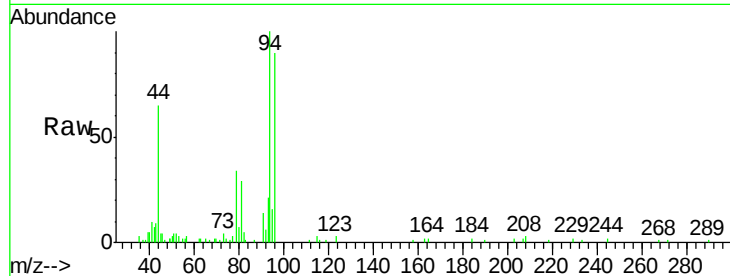
94 100

96 89.9 69.8 104.8

Manual Integrations
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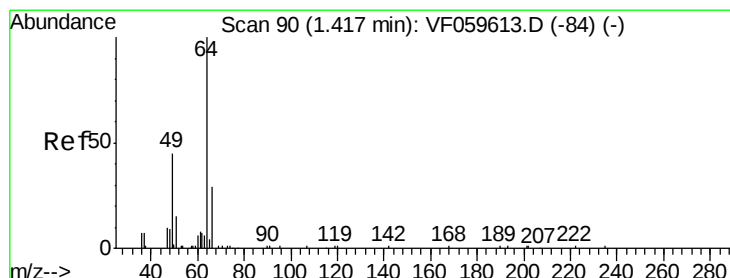
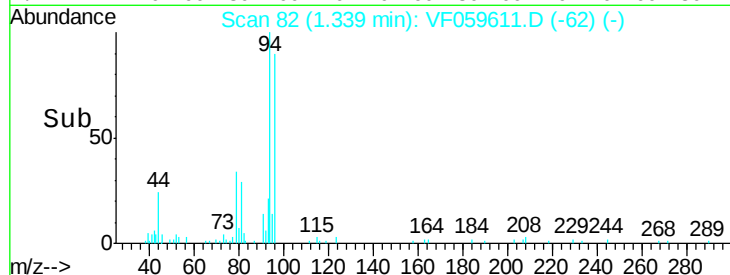
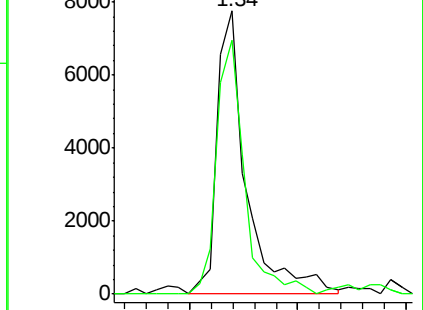
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 10.64 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059611.D

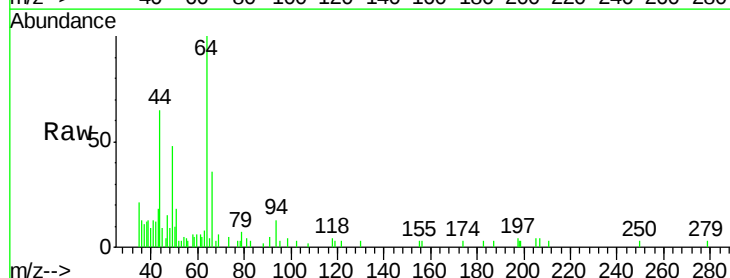
Acq: 23 Jul 2018 13:23

Tgt Ion: 64 Resp: 9179

Ion Ratio Lower Upper

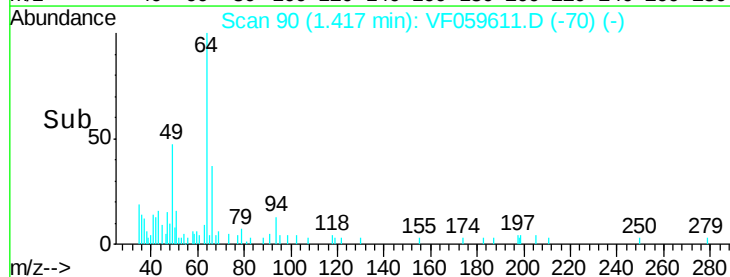
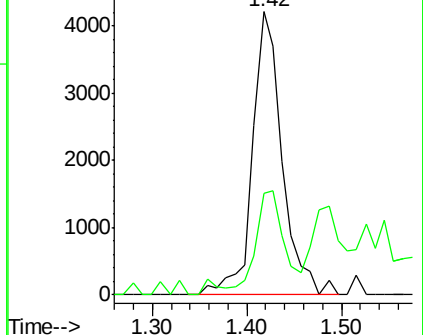
64 100

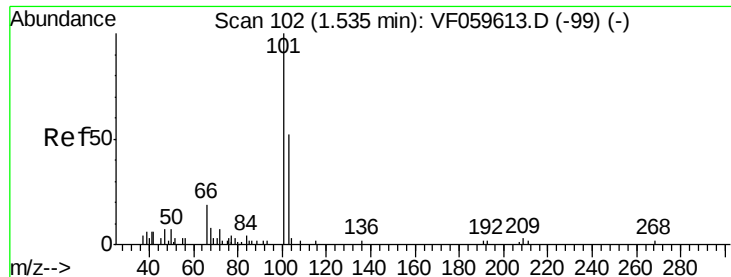
66 35.8 23.7 35.5#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

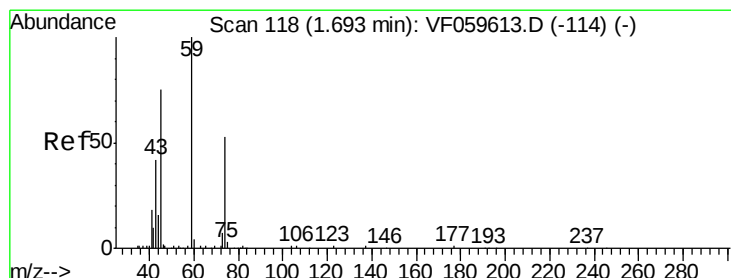
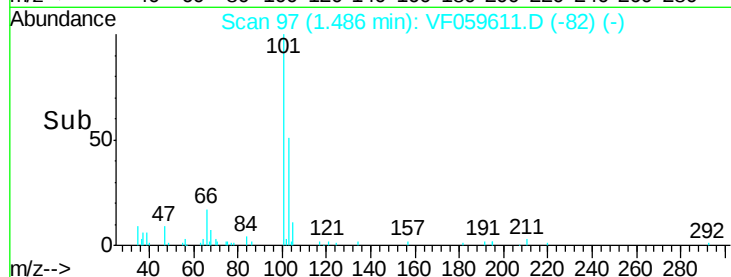
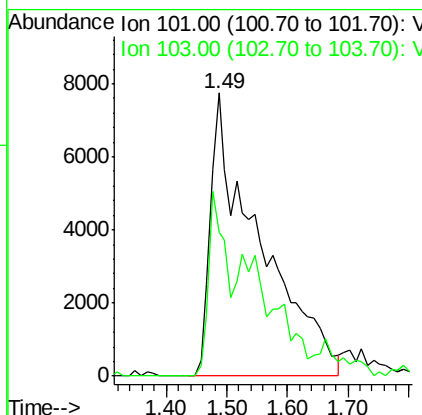
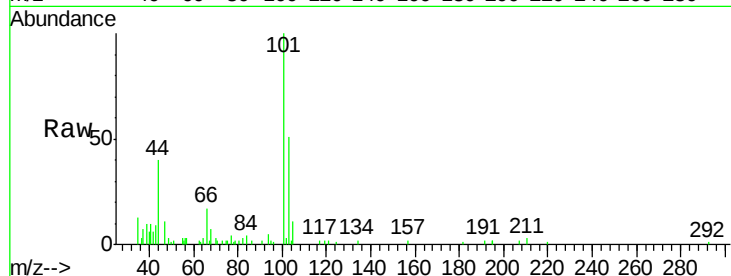
Trichlorofluoromethane
 Concen: 11.84 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.05 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

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 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	50.8	48.2	72.4

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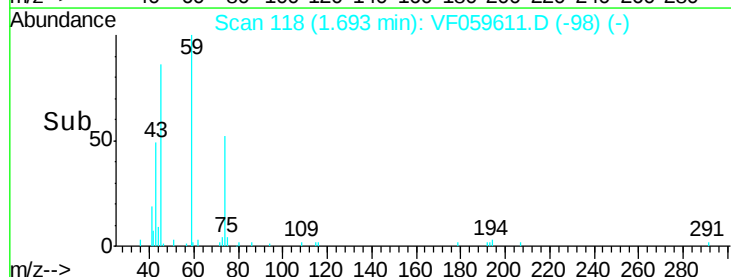
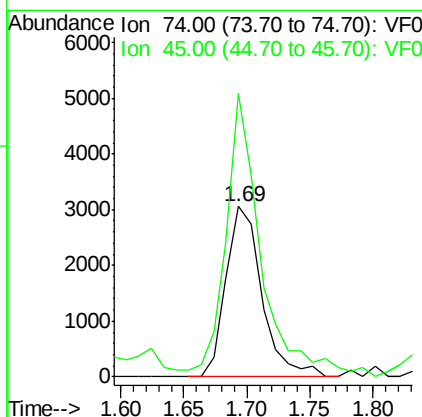
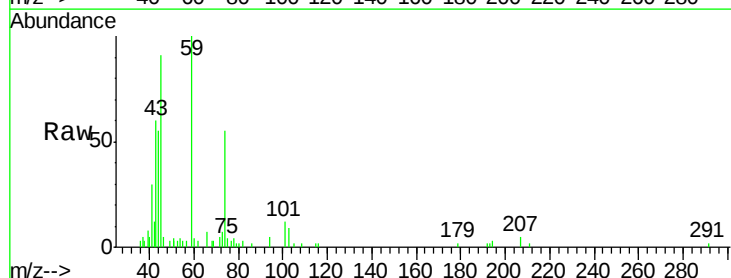
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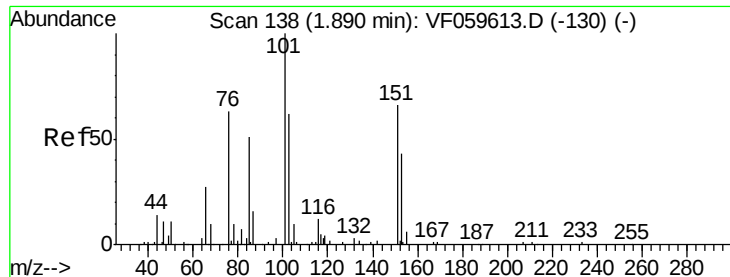


#8

Diethyl Ether
 Concen: 8.99 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	166.2	72.0	215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.82 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

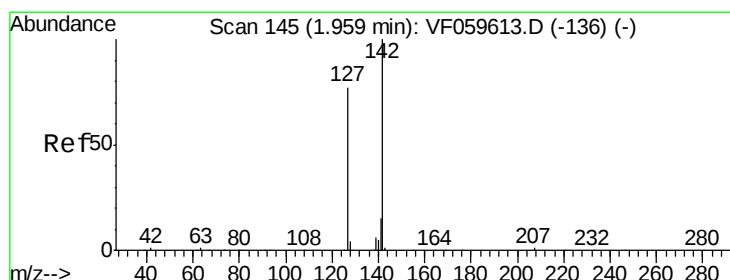
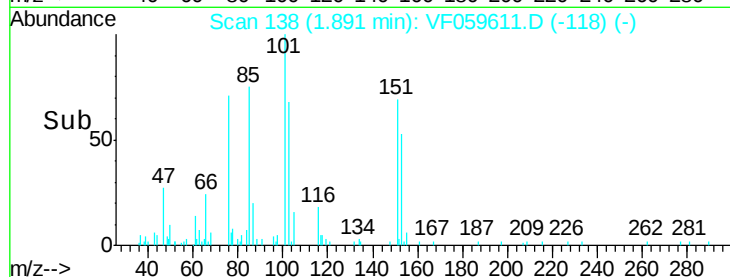
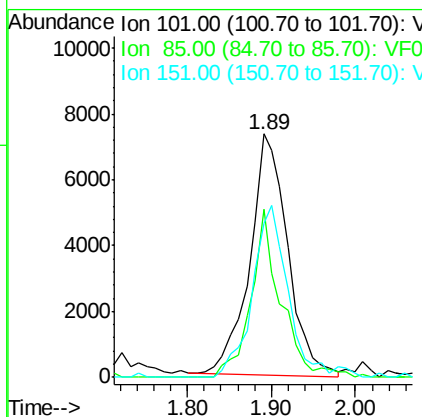
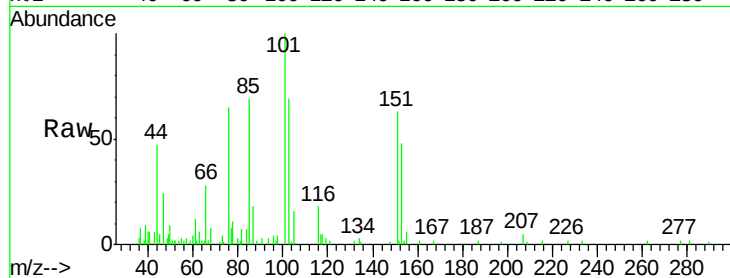
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	23207
Ion Ratio	Lower	Upper	
101	100		
85	68.8	40.2	60.2#
151	63.4	51.4	77.2

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#10

Methyl Iodide

Concen: 12.62 ug/l

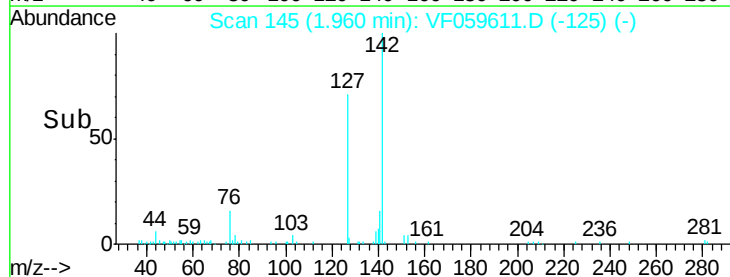
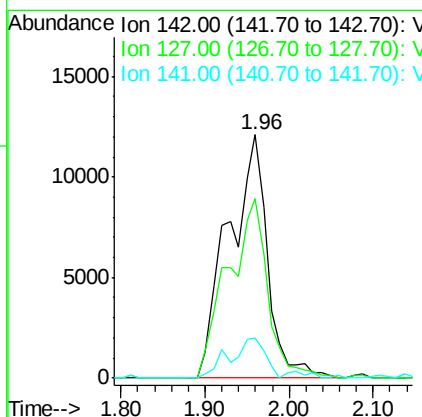
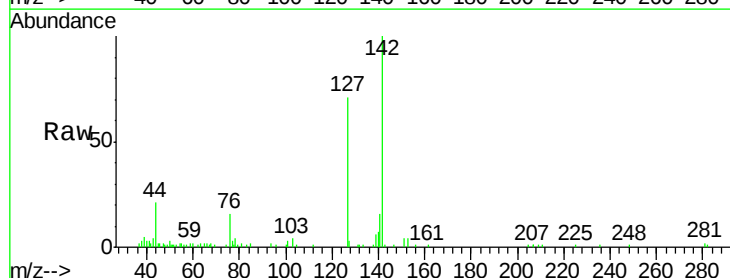
RT: 1.96 min Scan# 145

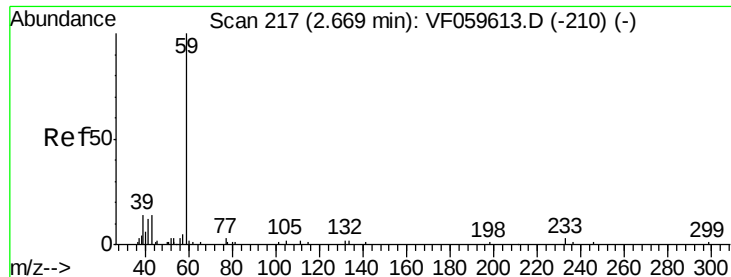
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	142	Resp:	39132
Ion Ratio	Lower	Upper	
142	100		
127	73.9	61.2	91.8
141	16.4	12.0	18.0





#11

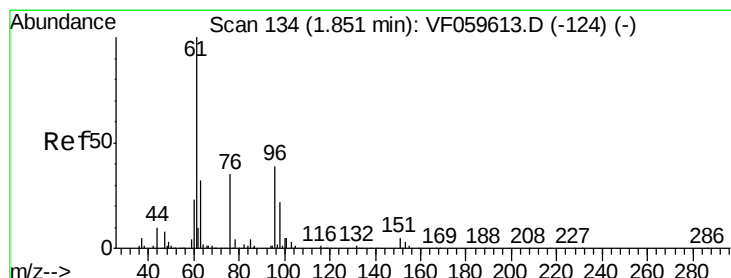
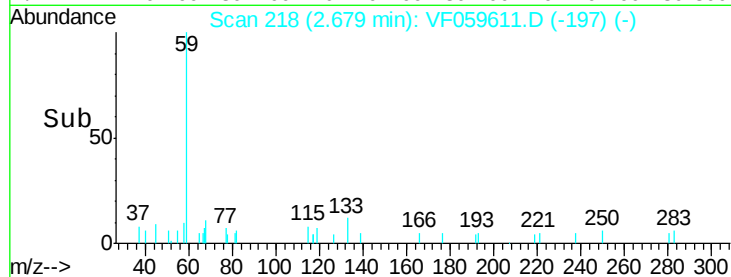
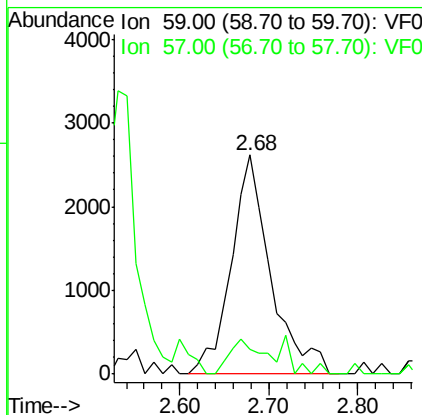
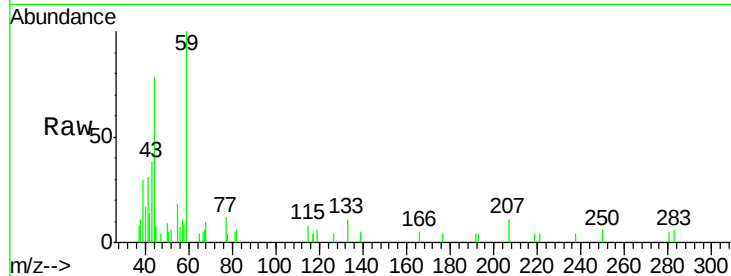
Tert butyl alcohol
Concen: 51.78 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

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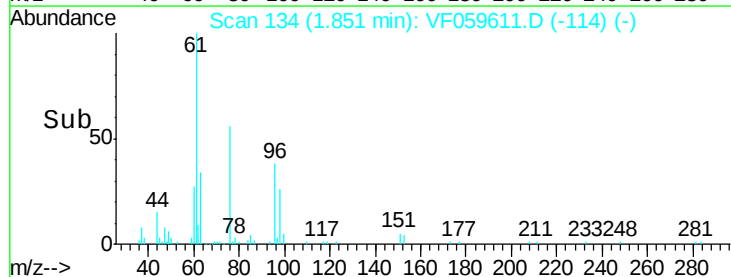
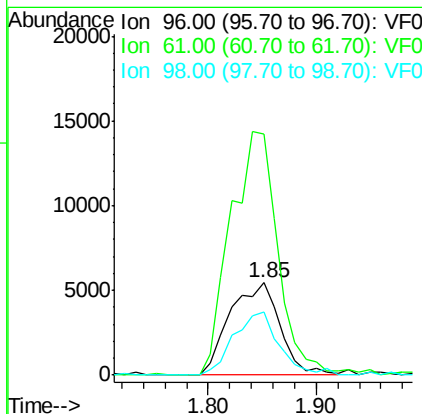
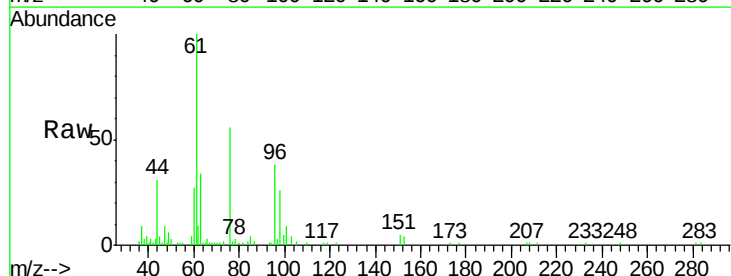
apatel
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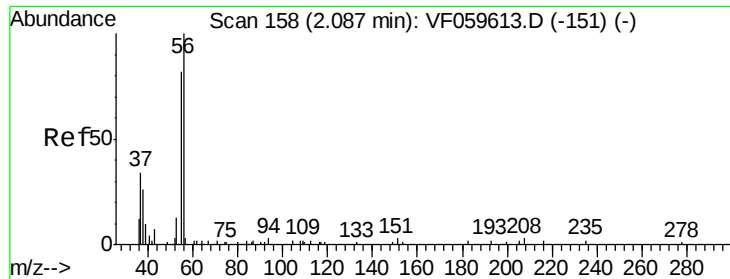


#12

1,1-Dichloroethene
Concen: 10.34 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	260.9	207.2	310.8
98	67.6	45.5	68.3





#13

Acrolein

Concen: 37.43 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tot Ion: 56 Resp: 3013

Ion Ratio Lower Upper

56 100

55 83.3 65.6 98.4

Instrument :

MSVOA_F

ClientSampleId :

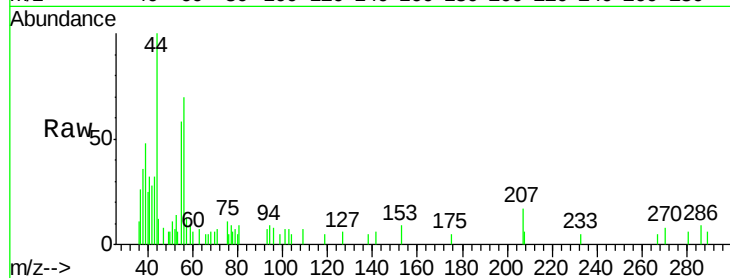
VSTDIC010

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1500

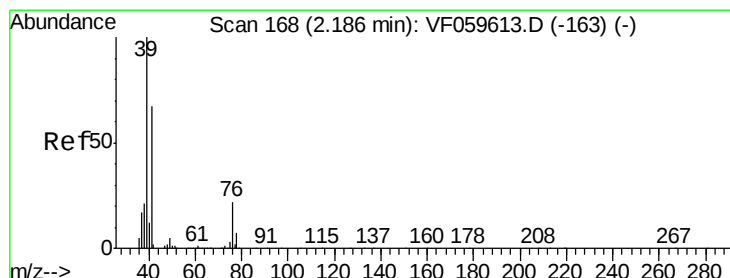
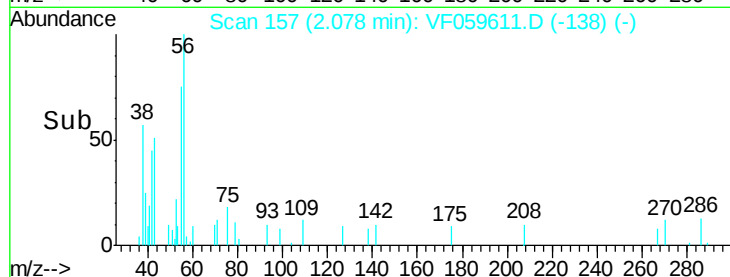
1000

500

0

Time--> 2.00 2.05 2.10 2.15

2.08



#14

Allyl chloride

Concen: 11.95 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

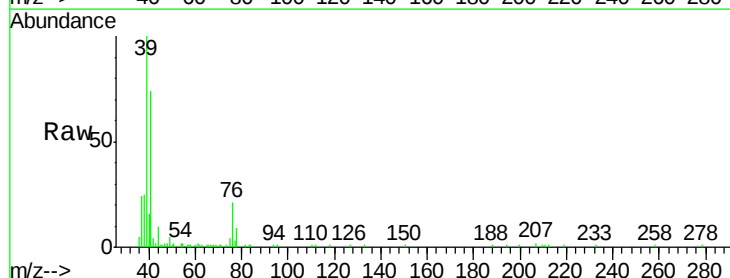
Tgt Ion: 41 Resp: 29343

Ion Ratio Lower Upper

41 100

39 135.1 119.0 178.4

76 27.8 26.3 39.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

25000

20000

15000

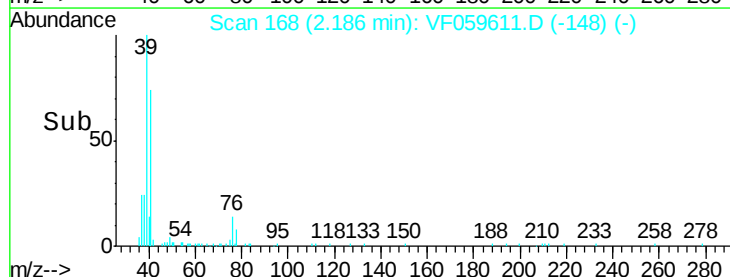
10000

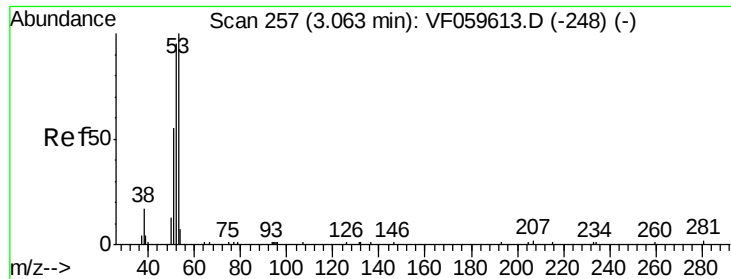
5000

0

Time--> 2.10 2.15 2.20 2.25

2.19





#15

Acrylonitrile

Concen: 46.09 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

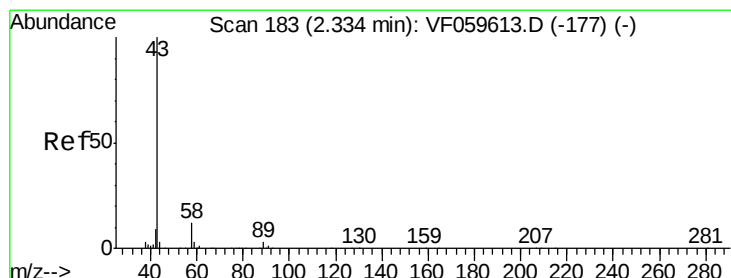
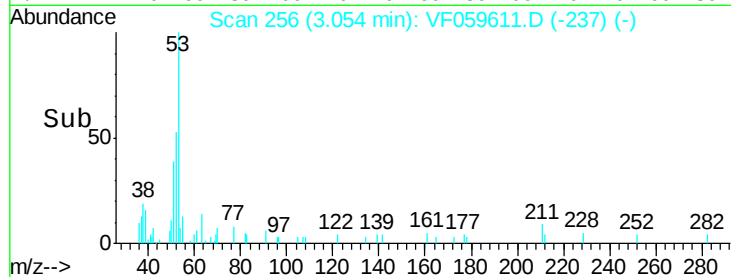
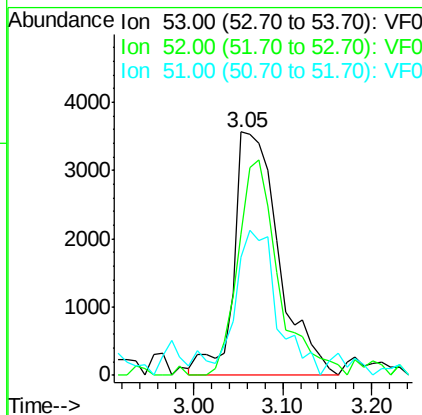
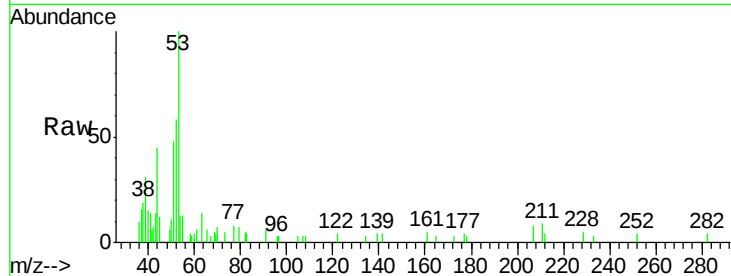
VSTDIC010

Tot Ion:	53	Resp:	12518
Ion Ratio	Lower	Upper	
53	100		
52	58.2	76.2	114.2#
51	48.4	45.8	68.8

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#16

Acetone

Concen: 56.56 ug/l

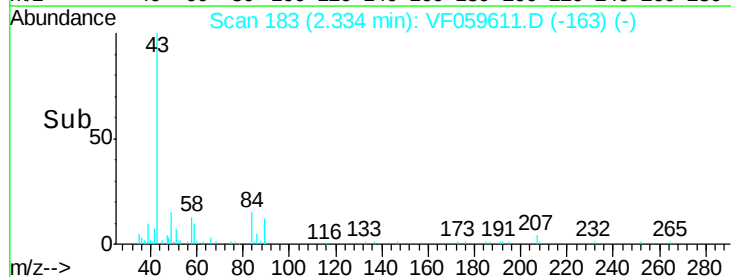
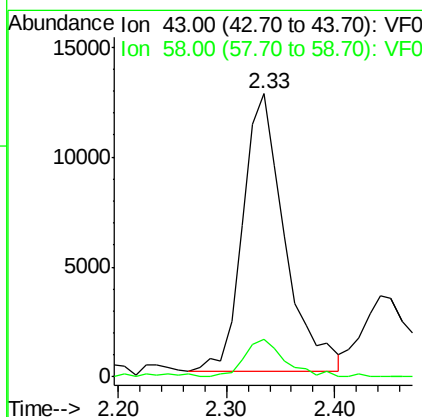
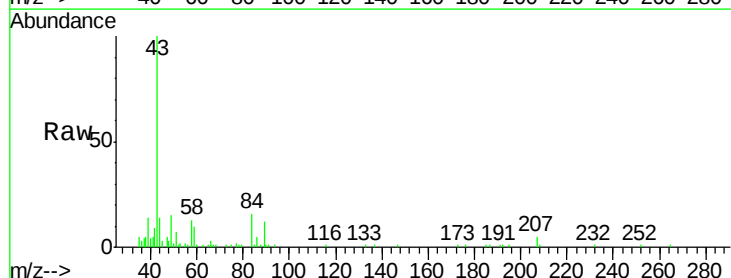
RT: 2.33 min Scan# 183

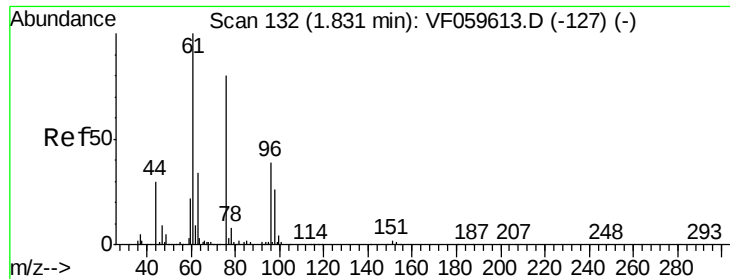
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	43	Resp:	34117
Ion Ratio	Lower	Upper	
43	100		
58	13.2	9.8	14.8





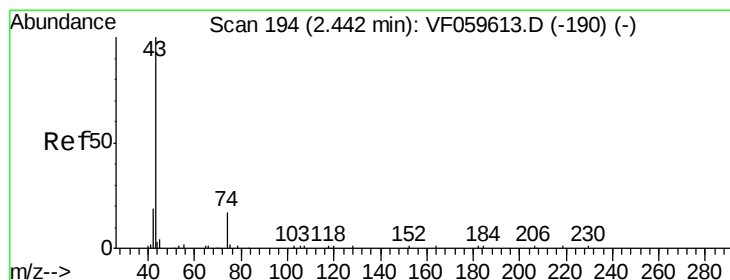
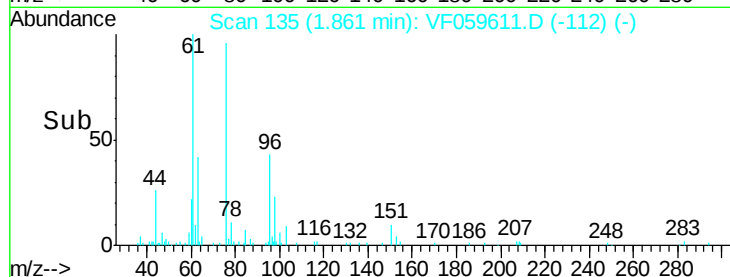
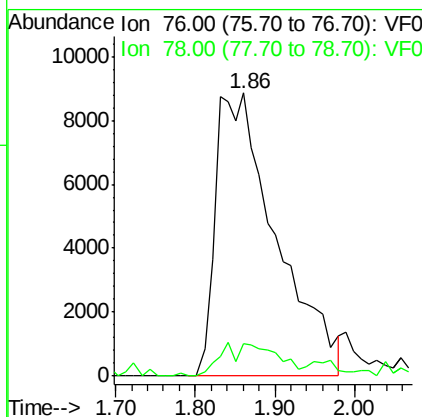
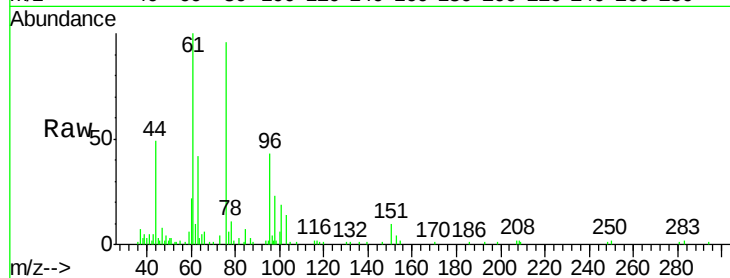
#17
Carbon Disulfide
Concen: 11.92 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.5	7.7	11.5

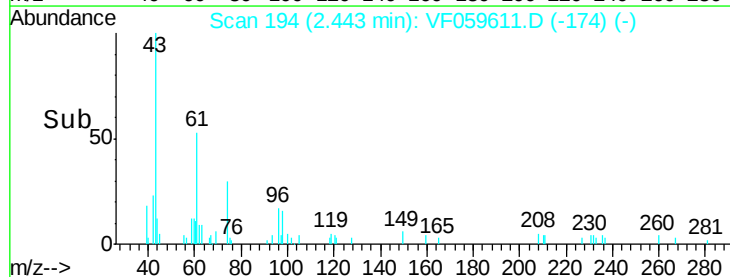
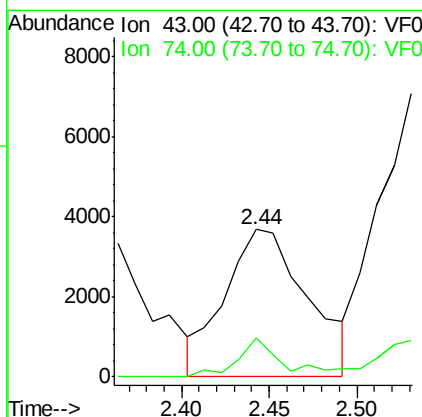
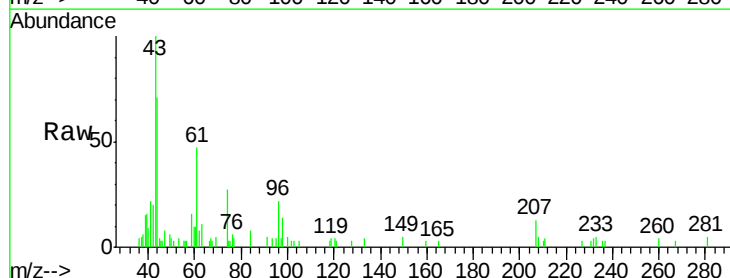
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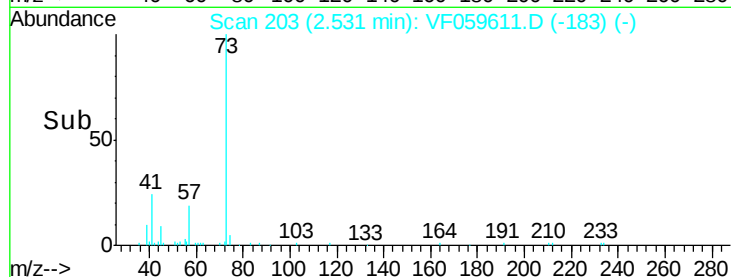
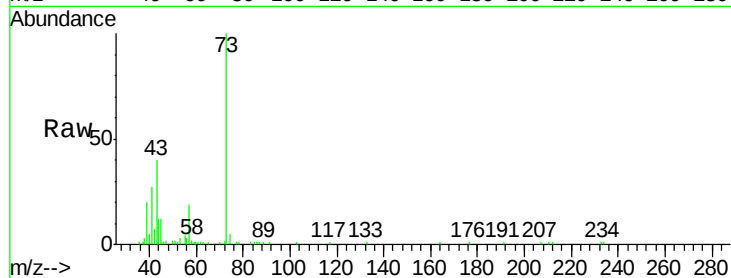
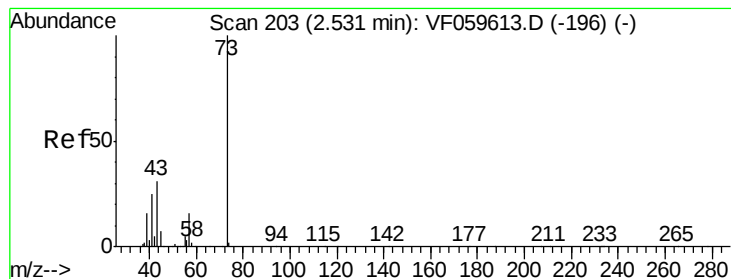
apatel
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#18
Methyl Acetate
Concen: 9.92 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	11.4	17.0#





#19

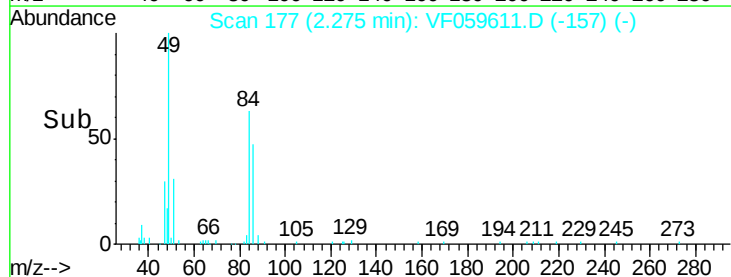
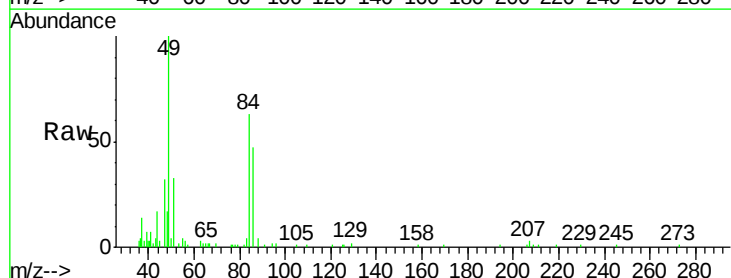
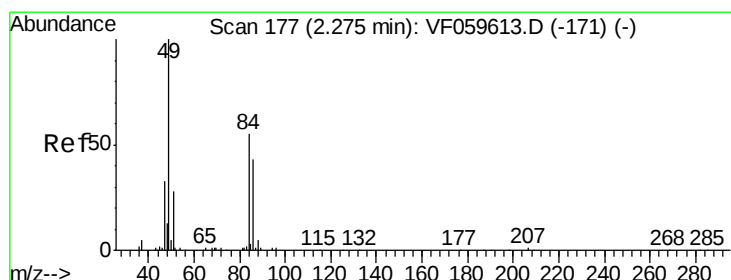
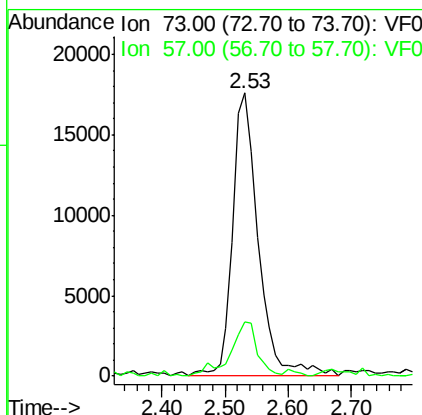
Methyl tert-butyl Ether
Concen: 9.61 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tot Ion	73	Resp	49707
Ion Ratio	100	Lower	Upper
73	100	13.2	19.8
57	19.2		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

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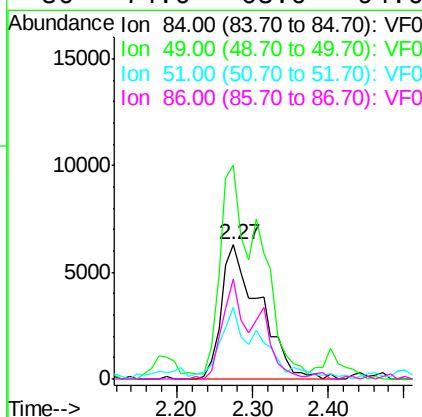
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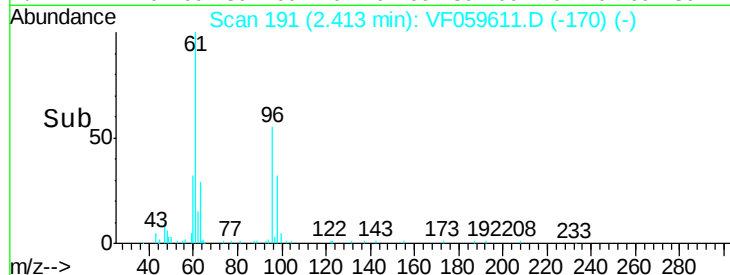
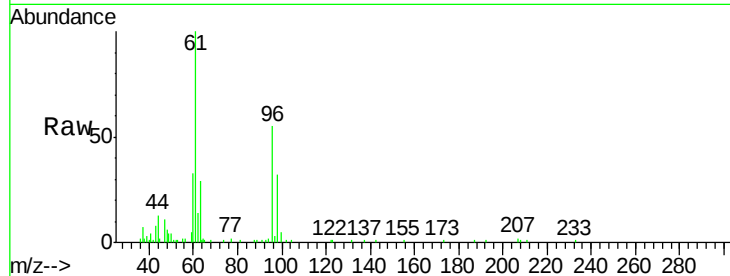
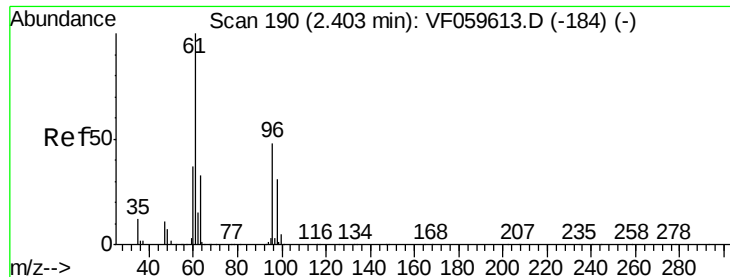


#20

Methylene Chloride
Concen: 11.46 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	84	Resp	22211
Ion Ratio	100	Lower	Upper
84	100	148.6	222.8
49	159.1	42.7	64.1
51	53.3	63.0	94.6
86	74.6		





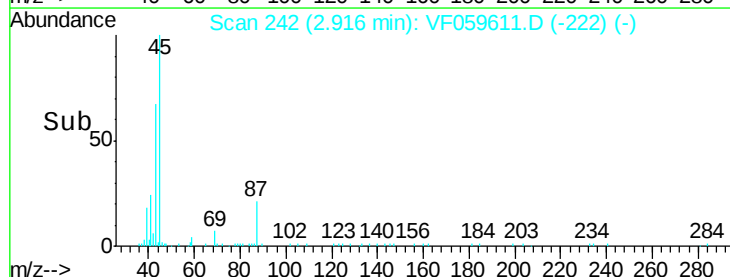
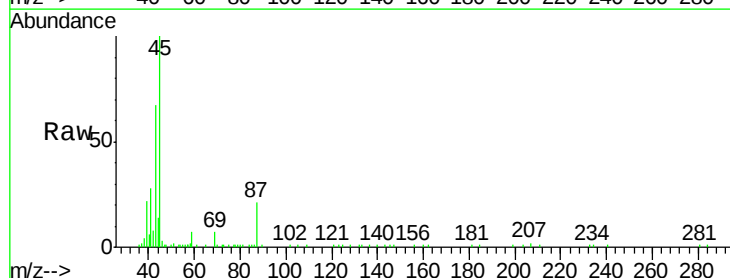
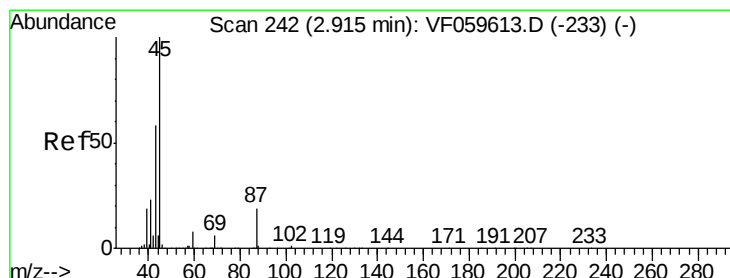
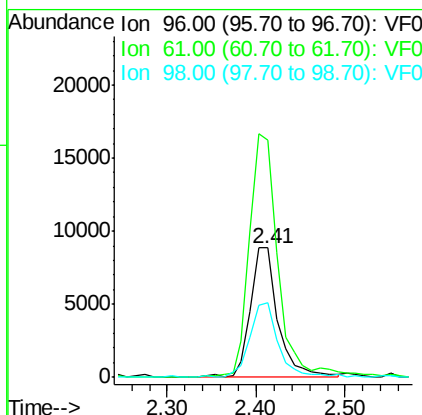
#21
trans-1,2-Dichloroethene
Concen: 11.47 ug/l
RT: 2.41 min Scan# 191
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		18988		
61	183.2		167.0	250.6	
98	57.9		51.8	77.8	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

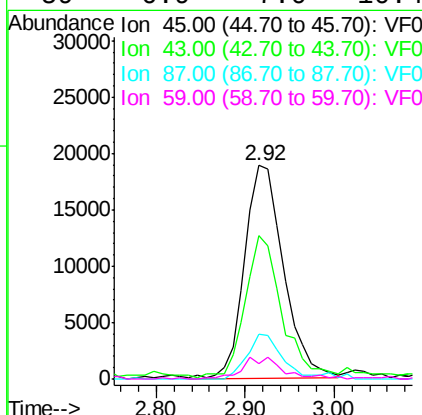
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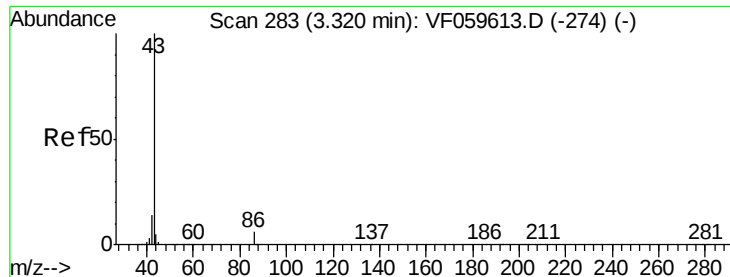
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#22
Diisopropyl ether
Concen: 9.79 ug/l
RT: 2.92 min Scan# 242
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		57495		
43	67.2		46.7	70.1	
87	20.8		15.0	22.6	
59	6.9		7.0	10.4	





#23

Vinyl Acetate

Concen: 44.10 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 144682

Ion Ratio Lower Upper

43 100

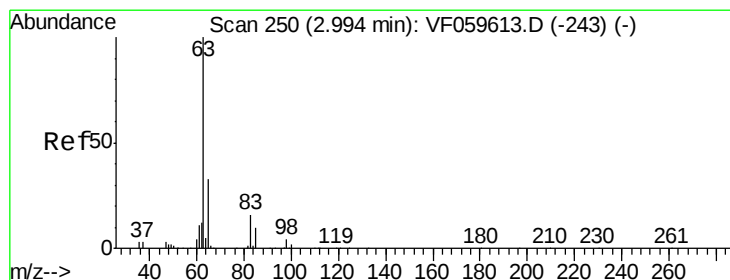
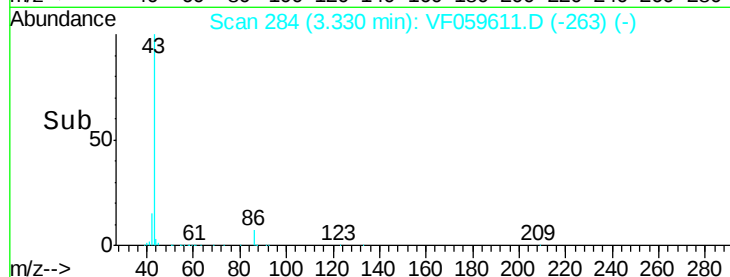
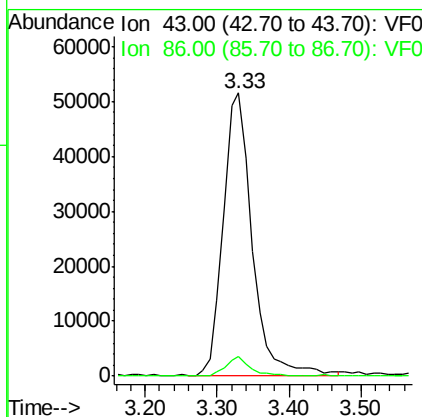
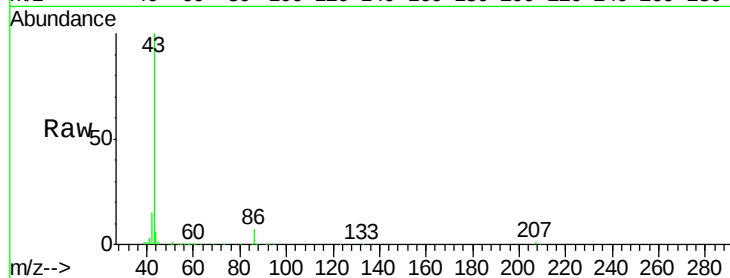
86 6.9 4.6 6.8#

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#24

1,1-Dichloroethane

Concen: 10.91 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

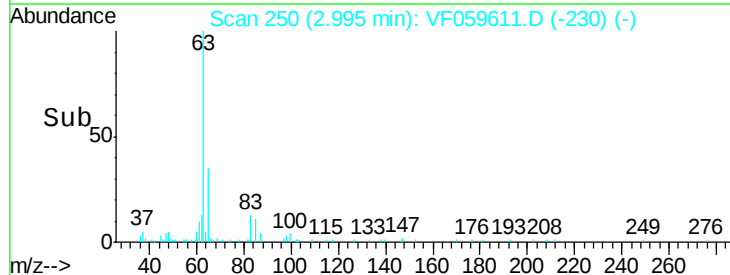
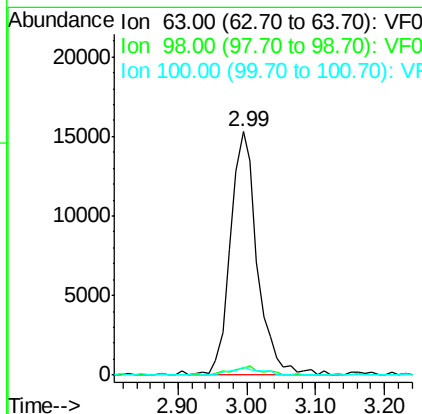
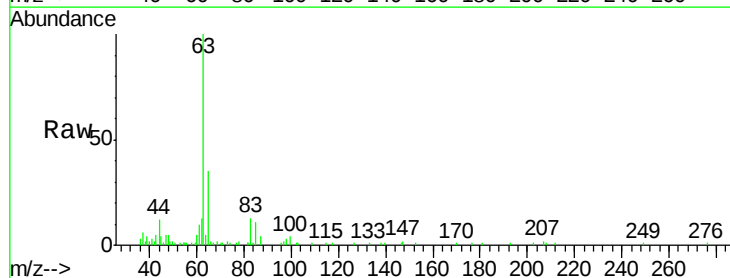
Tgt Ion: 63 Resp: 41379

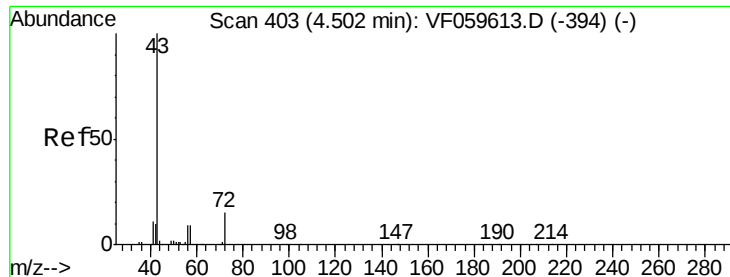
Ion Ratio Lower Upper

63 100

98 3.0 1.9 5.7

100 3.6 1.2 3.6





#25

2-Butanone

Concen: 43.30 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tot Ion: 43 Resp: 33196

Ion Ratio Lower Upper

43 100

72 18.8 12.9 19.3

Instrument :

MSVOA_F

ClientSampleId :

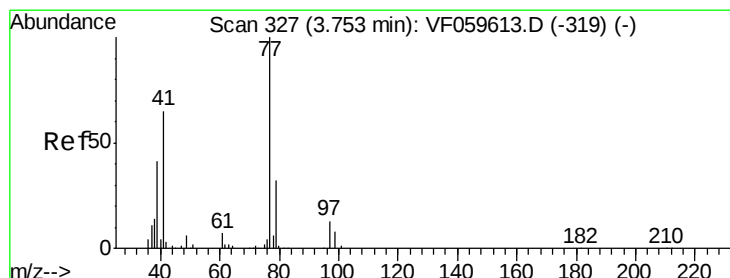
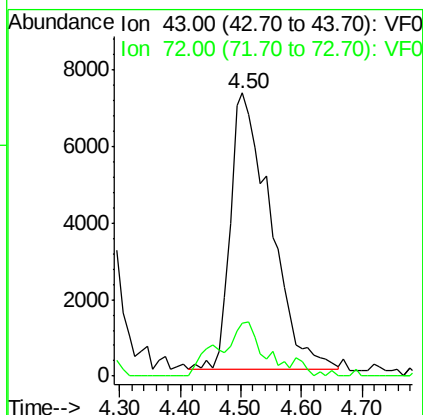
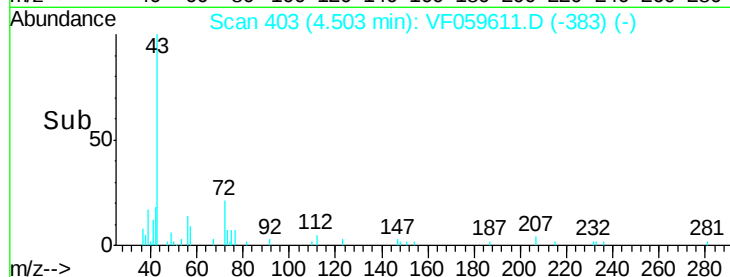
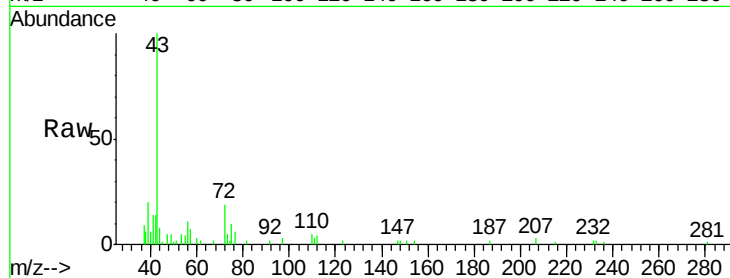
VSTDIC010

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#26

2,2-Dichloropropane

Concen: 13.30 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059611.D

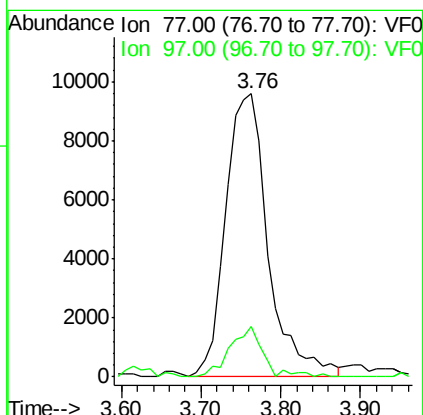
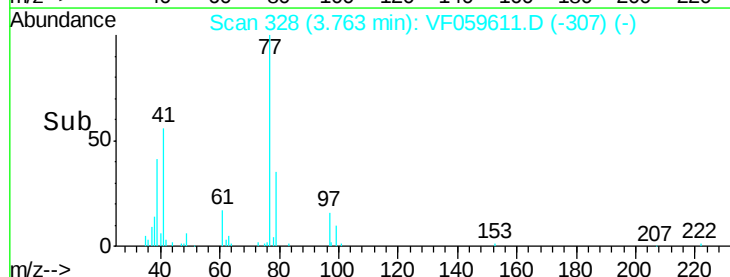
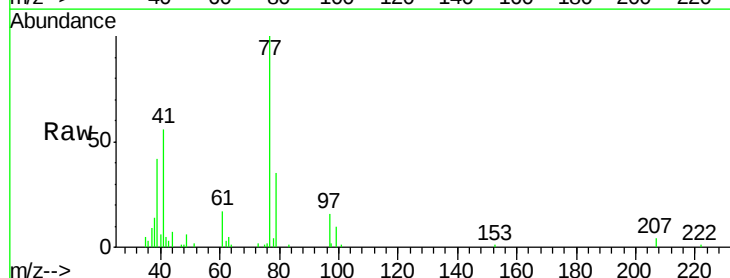
Acq: 23 Jul 2018 13:23

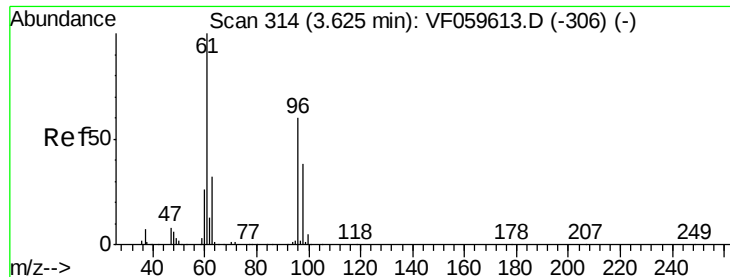
Tgt Ion: 77 Resp: 35838

Ion Ratio Lower Upper

77 100

97 17.8 7.1 21.3





#27

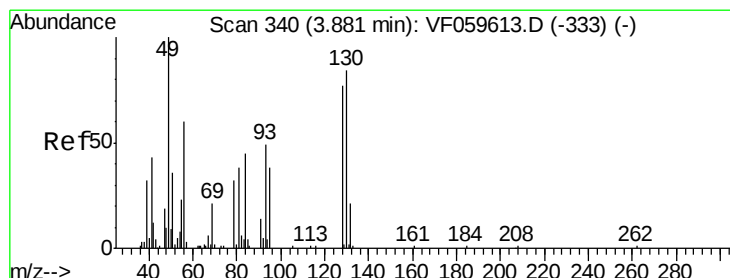
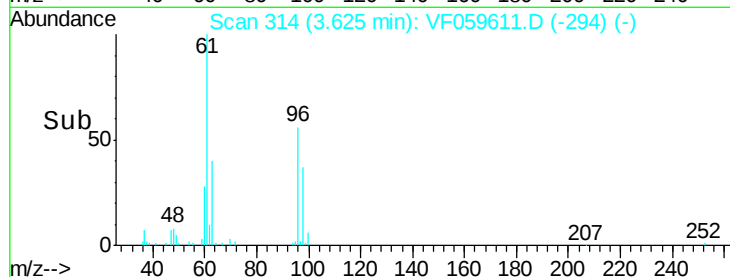
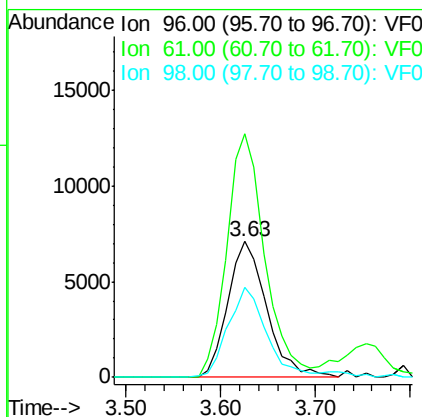
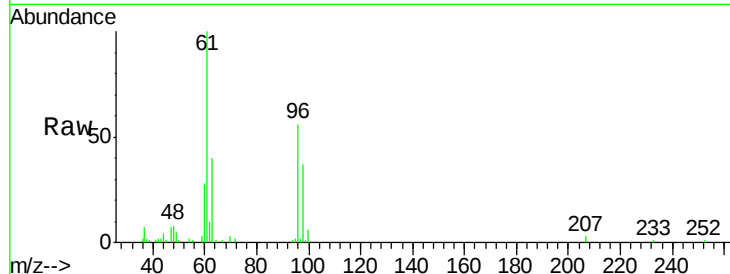
cis-1,2-Dichloroethene
Concen: 10.74 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.4	0.0	335.2
98	66.3	0.0	126.6

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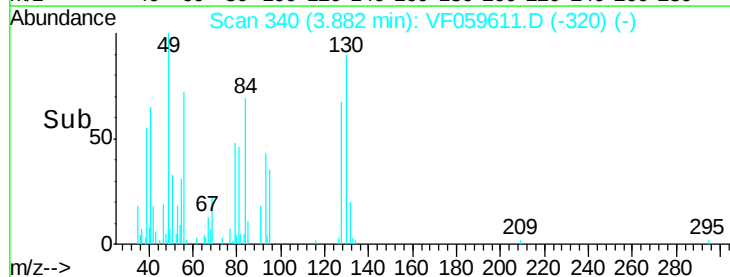
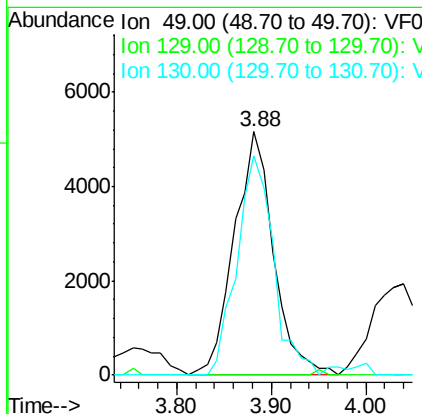
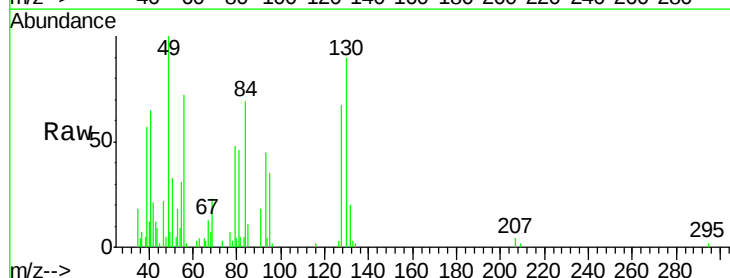
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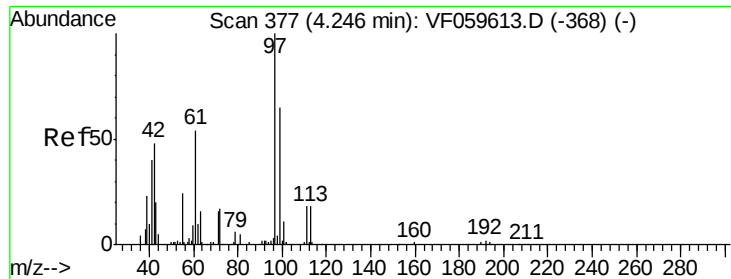


#28

Bromochloromethane
Concen: 9.55 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	90.1	67.1	100.7





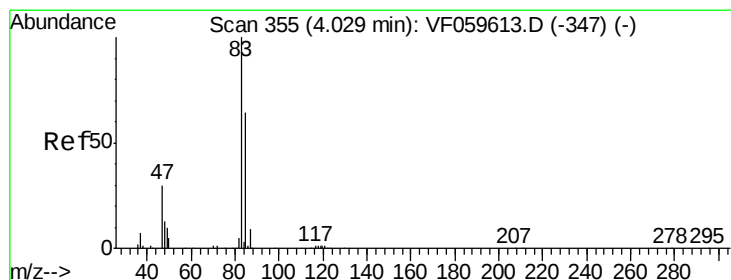
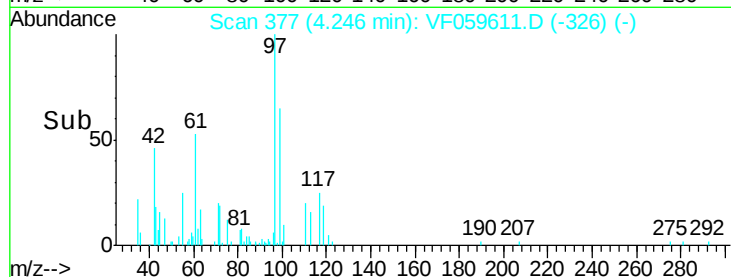
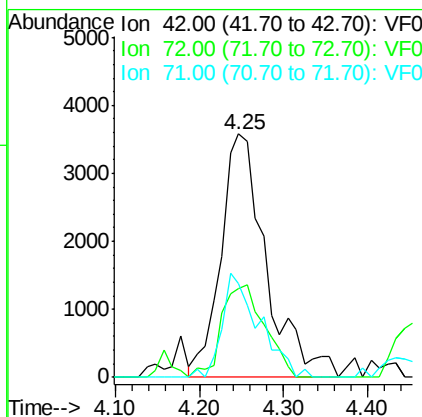
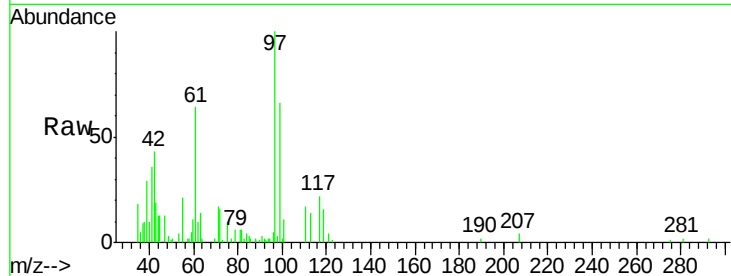
#29
Tetrahydrofuran
Concen: 40.30 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	27.9	41.9
71	35.0	29.3	43.9

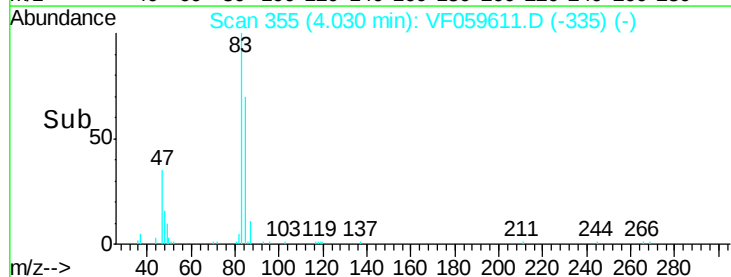
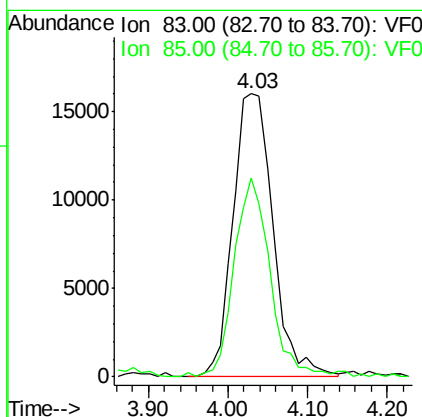
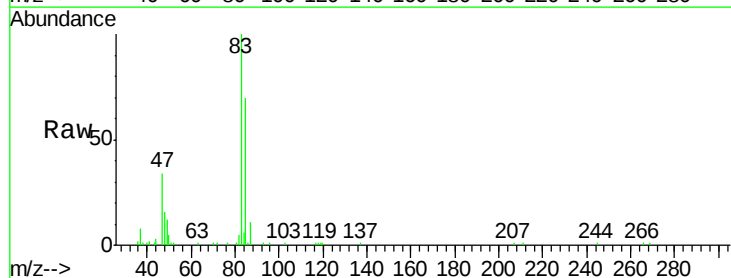
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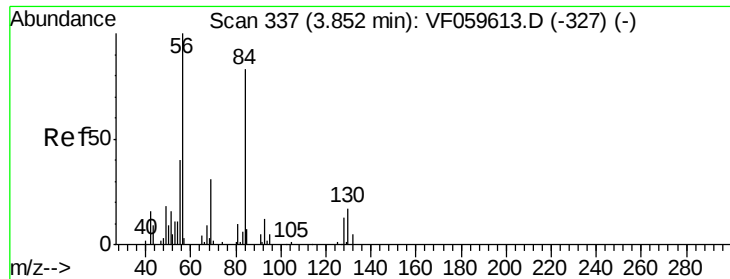
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#30
Chloroform
Concen: 10.41 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.4	51.1	76.7





#31

Cyclohexane

Concen: 11.80 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.02 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

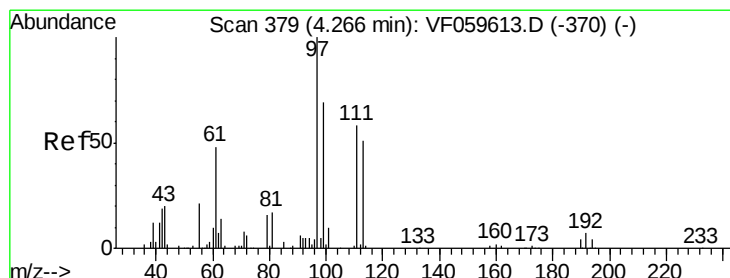
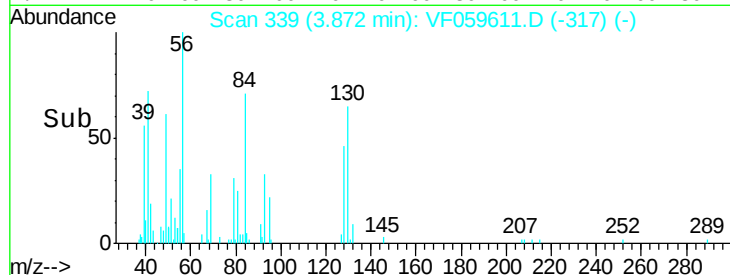
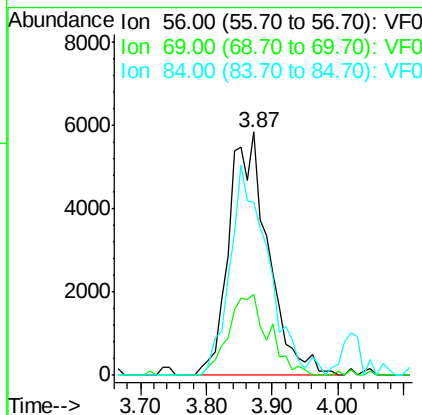
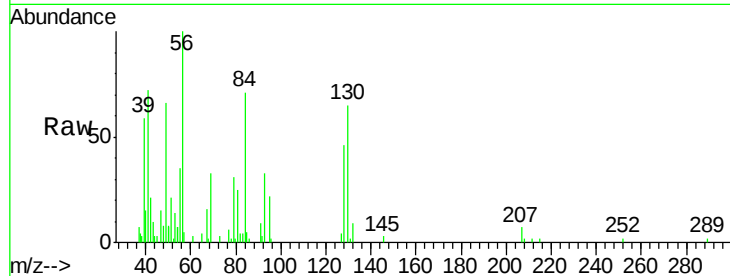
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	24473
Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.6	37.0
84	71.4	66.6	99.8

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#32

1,1,1-Trichloroethane

Concen: 13.70 ug/l

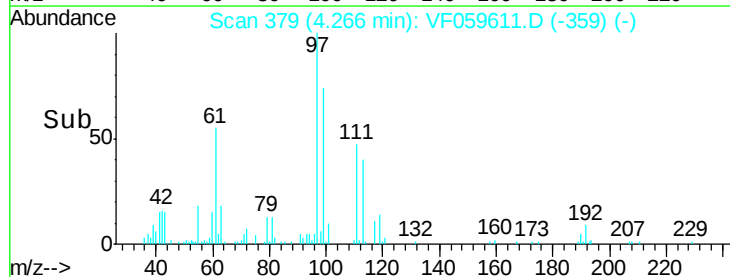
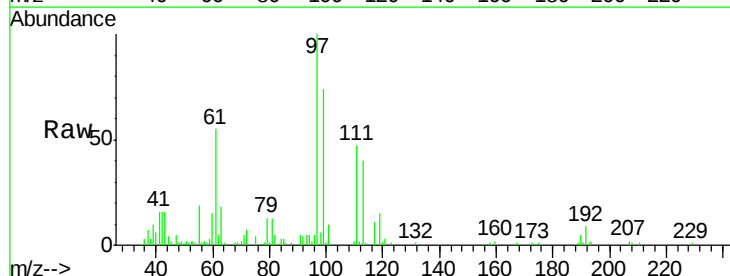
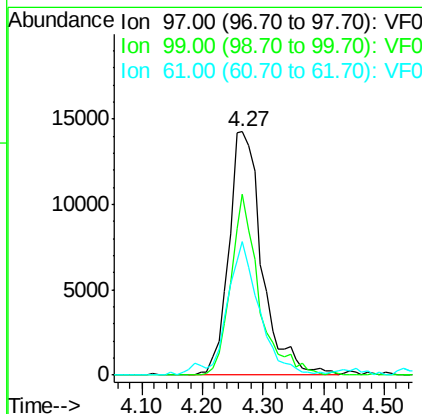
RT: 4.27 min Scan# 379

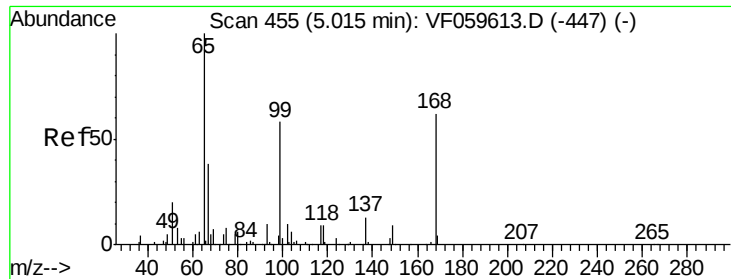
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	97	Resp:	54376
Ion	Ratio	Lower	Upper
97	100		
99	74.1	55.4	83.2
61	55.0	39.3	58.9





#33

1,2-Dichloroethane-d4

Concen: 10.05 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tot Ion: 65 Resp: 36365

Ion Ratio Lower Upper

65 100

67 44.6 0.0 83.8

Instrument :

MSVOA_F

ClientSampleId :

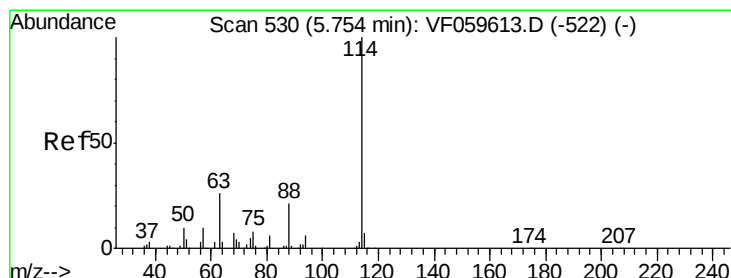
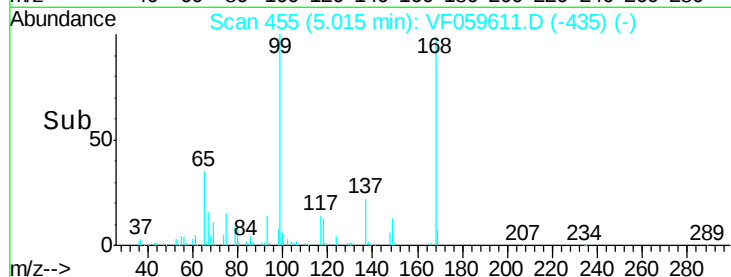
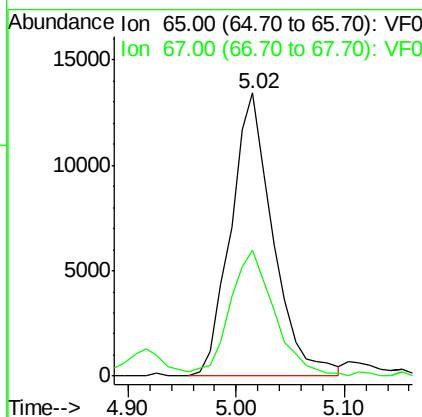
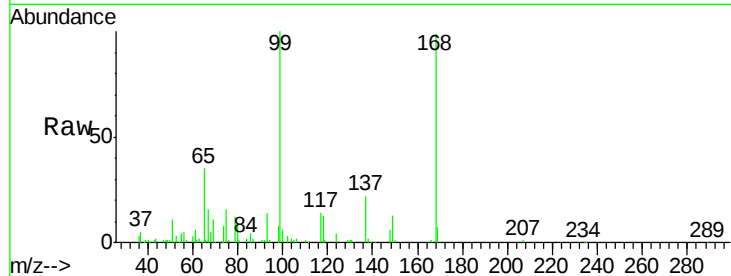
VSTDIC010

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

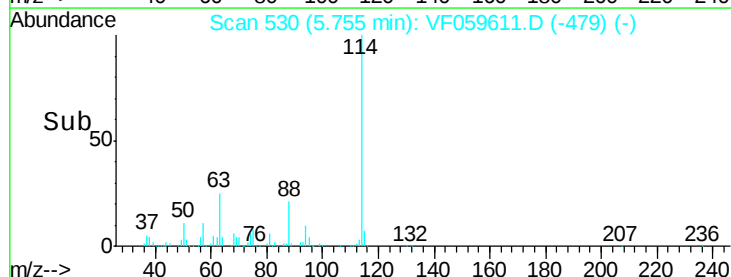
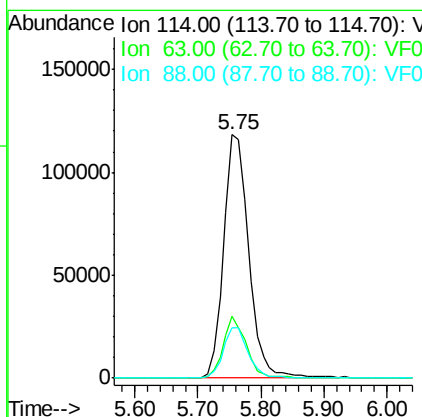
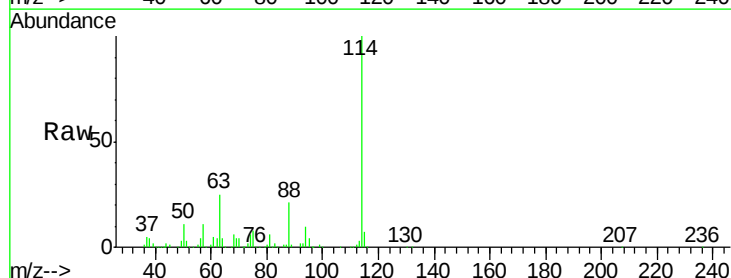
Tgt Ion: 114 Resp: 327315

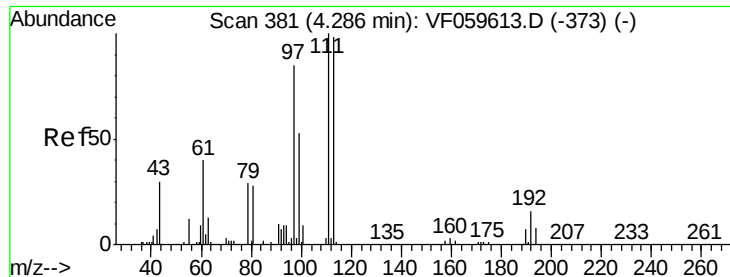
Ion Ratio Lower Upper

114 100

63 25.2 0.0 51.8

88 20.8 0.0 42.8





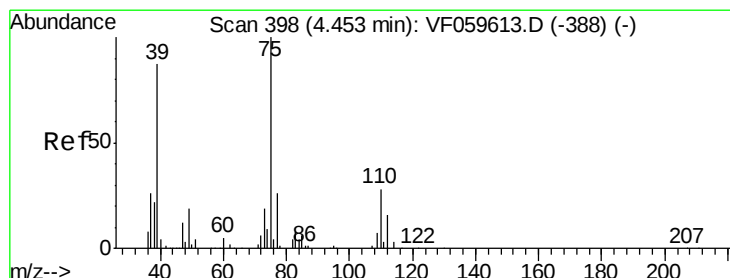
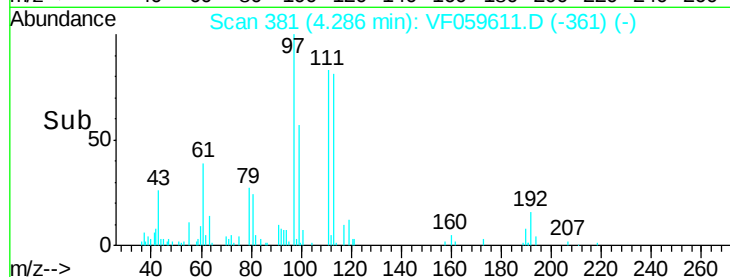
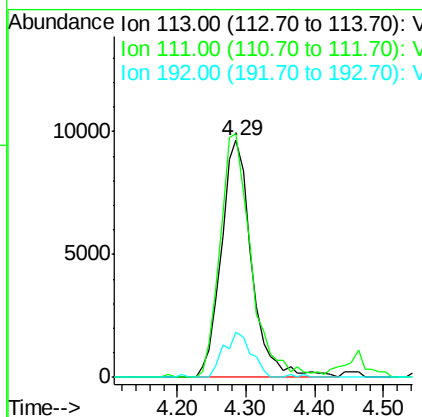
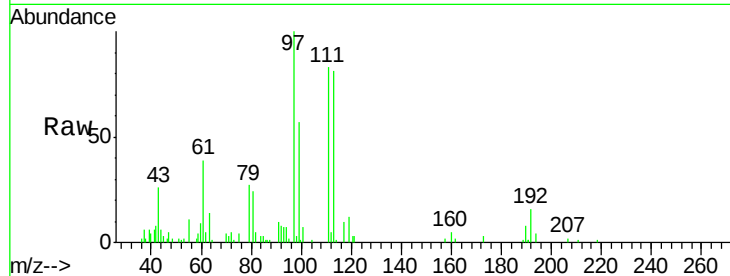
#35
 Dibromofluoromethane
 Concen: 10.25 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	29536		
111	102.7		81.5	122.3
192	19.3		13.4	20.2

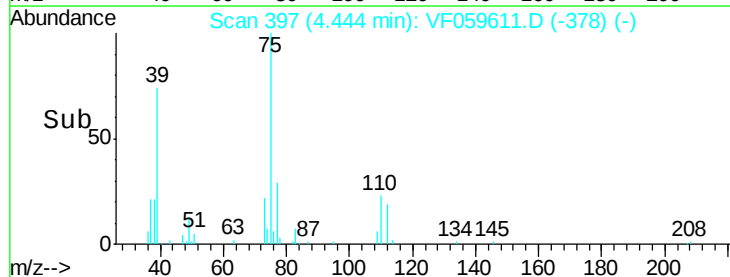
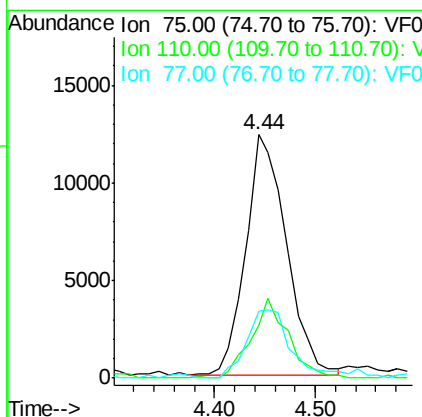
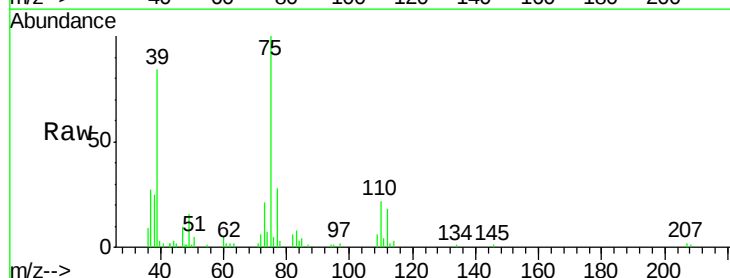
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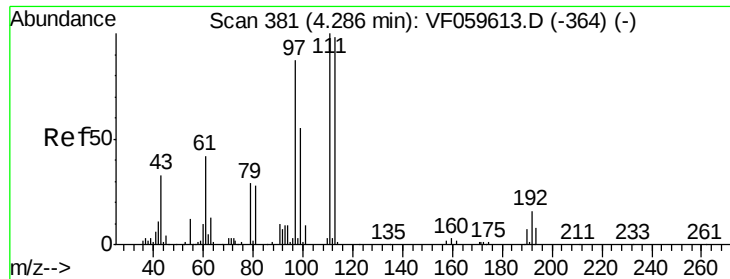
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#36
 1,1-Dichloropropene
 Concen: 10.66 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34998		
110	21.6		14.2	42.6
77	27.6		20.3	30.5





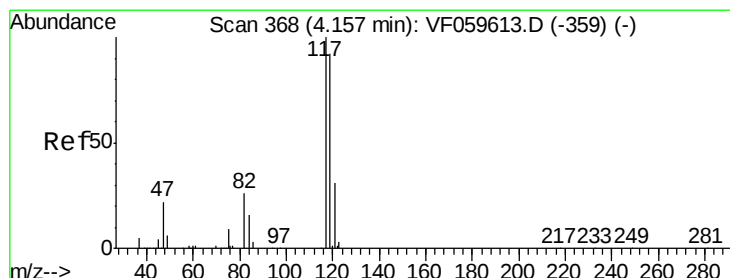
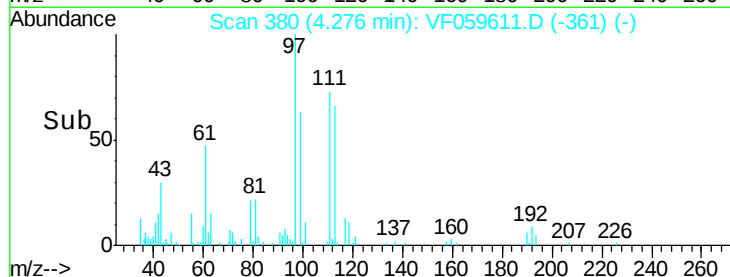
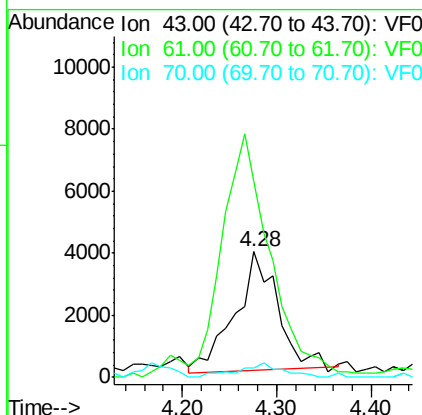
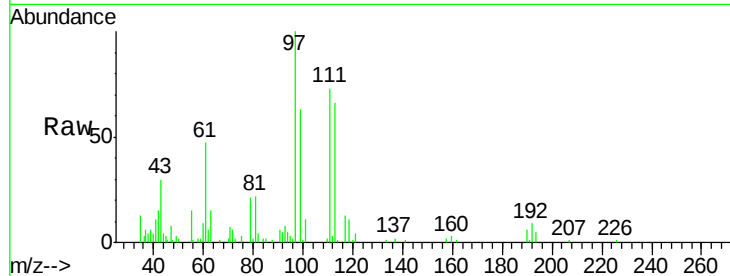
#37
Ethyl Acetate
Concen: 6.72 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	43	61	70
Resp	11958	155.8	7.8
Ratio	100	101.9	7.9
Lower		152.9#	11.9#
Upper			

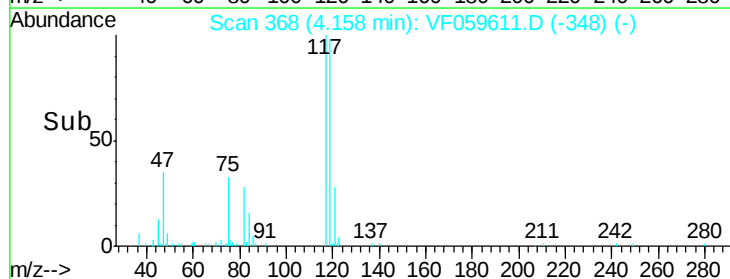
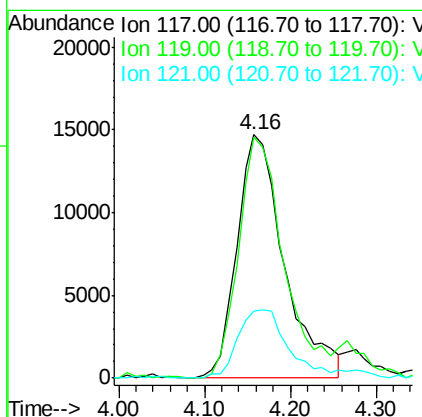
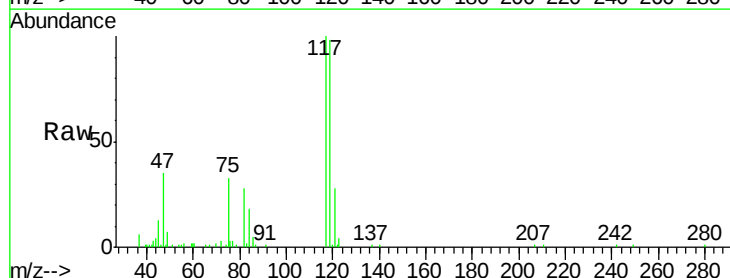
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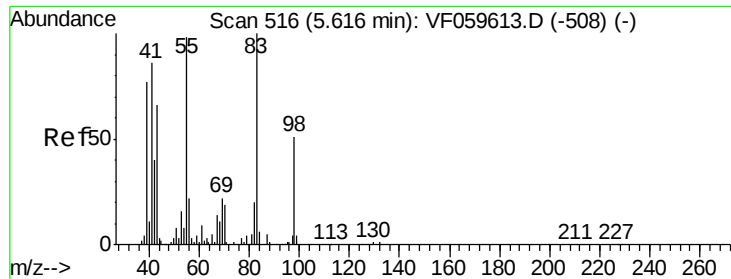
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#38
Carbon Tetrachloride
Concen: 12.92 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	117	119	121
Resp	56282	98.3	27.5
Ratio	100	74.2	24.7
Lower		111.4	37.1
Upper			





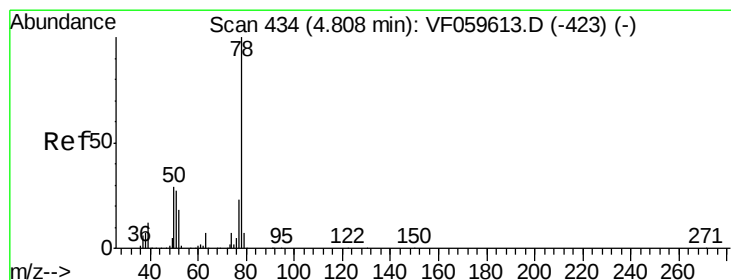
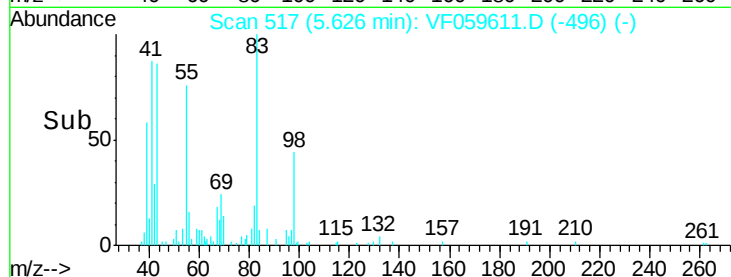
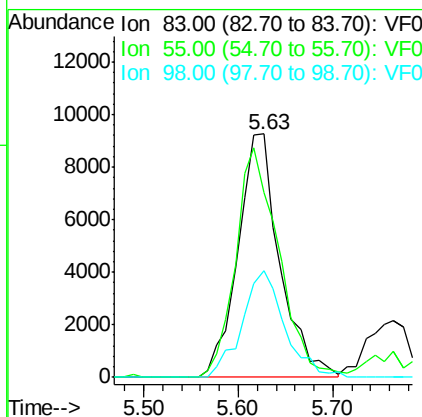
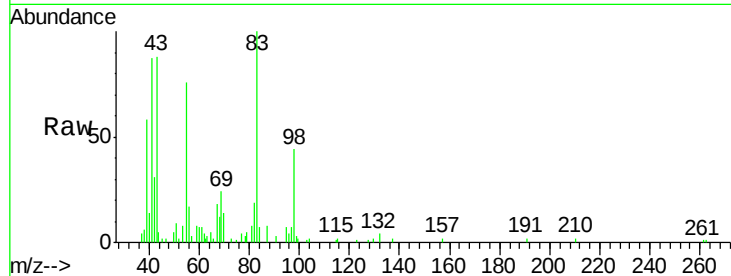
#39
Methvlcvclohexane
Concen: 10.92 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	78.5	117.7#
98	44.1	41.1	61.7

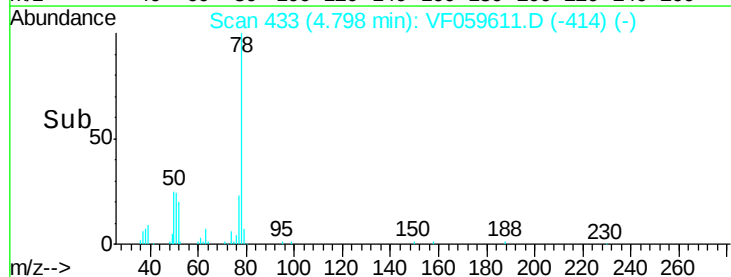
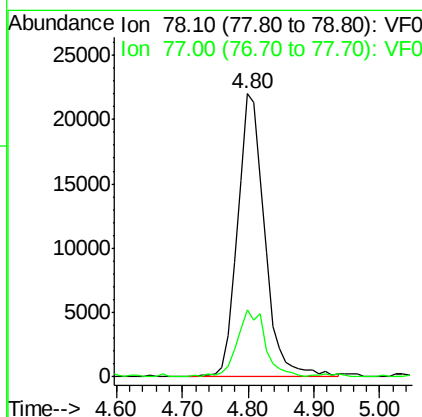
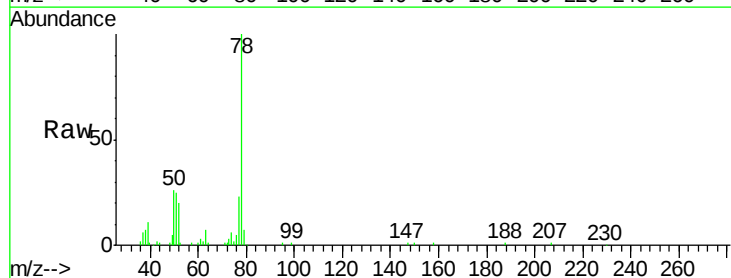
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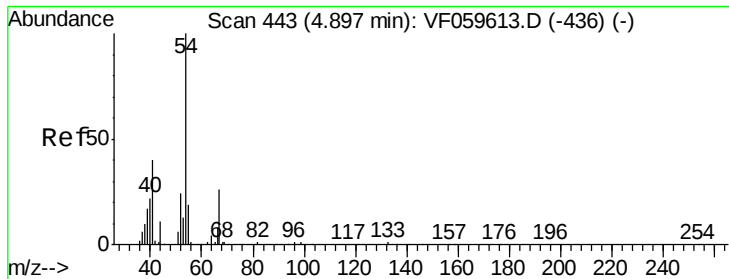
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#40
Benzene
Concen: 10.09 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





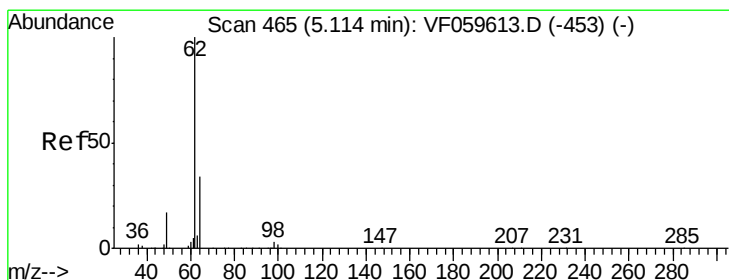
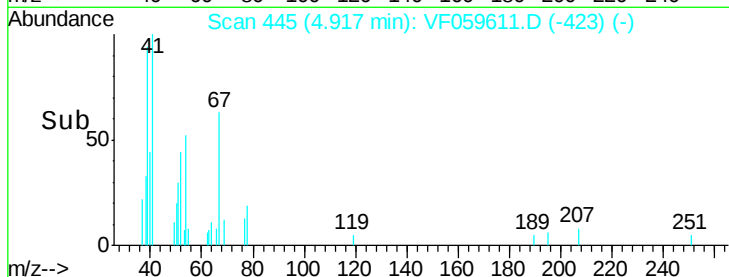
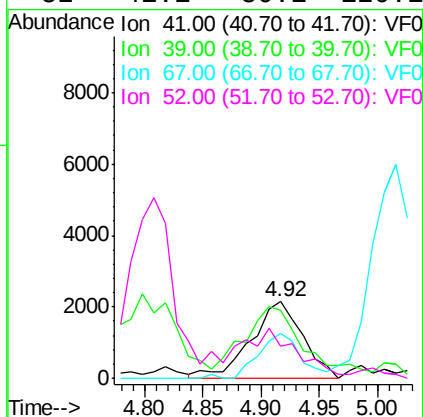
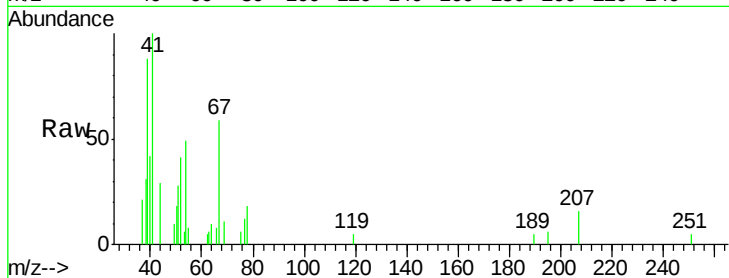
#41
Methacrylonitrile
Concen: 7.46 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.02 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	88.3	58.2	87.4#
67	59.4	51.0	76.6
52	41.1	80.1	120.1#

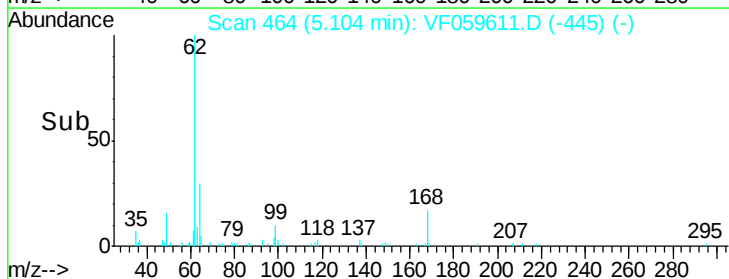
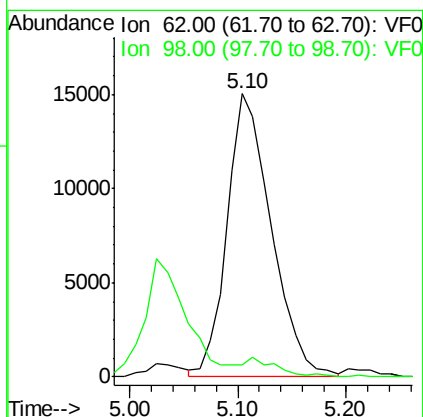
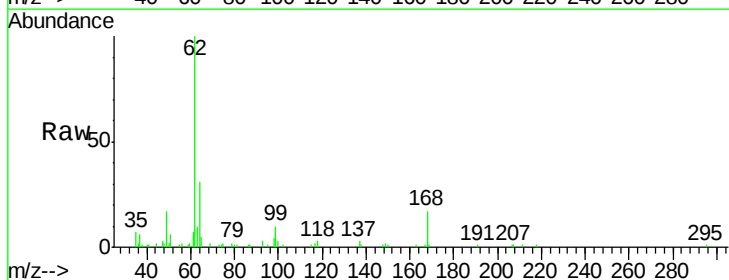
Manual Integrations
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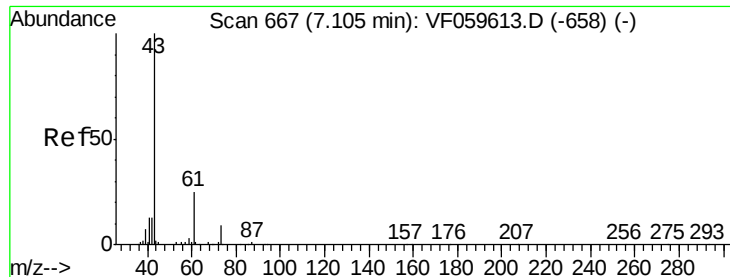
apatel
7/24/2018 1:13:25 PM



#42
1,2-Dichloroethane
Concen: 10.07 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	8.4





#43

Isopropyl Acetate

Concen: 7.81 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

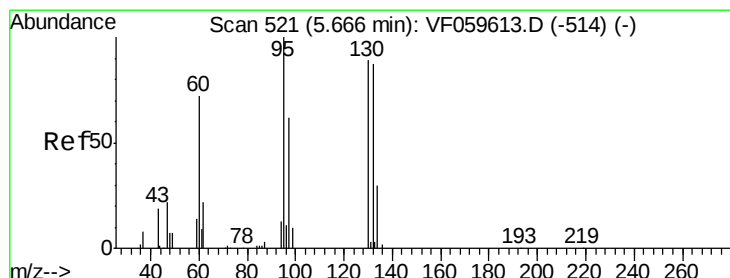
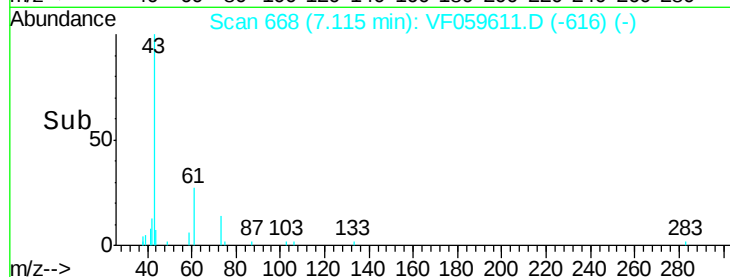
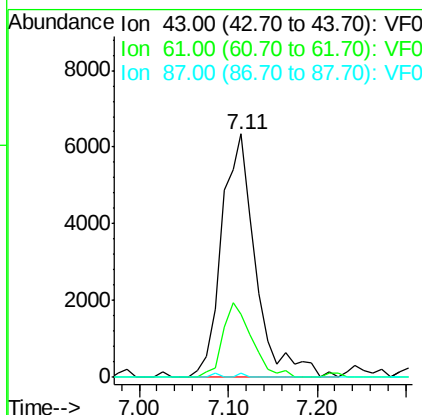
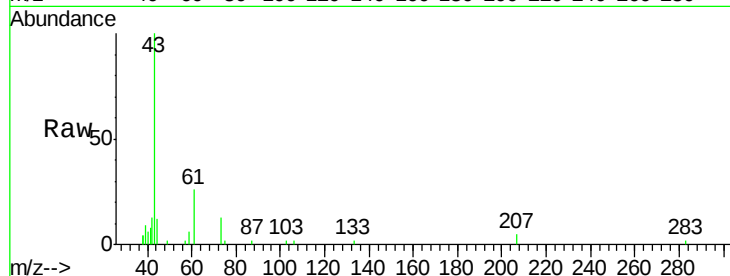
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	16963
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.1	30.1
87	1.7	0.5	0.7#

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#44

Trichloroethene

Concen: 10.38 ug/l

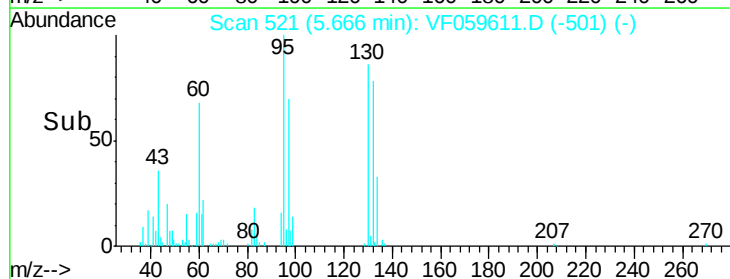
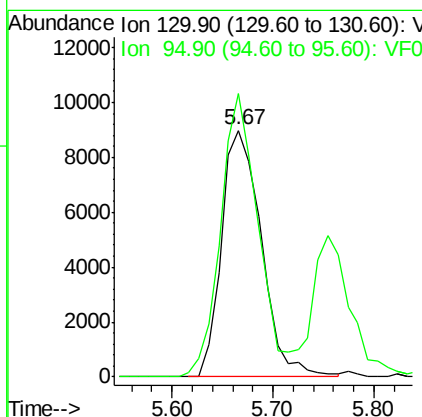
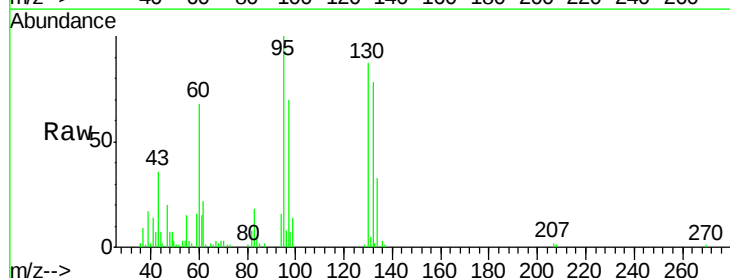
RT: 5.67 min Scan# 521

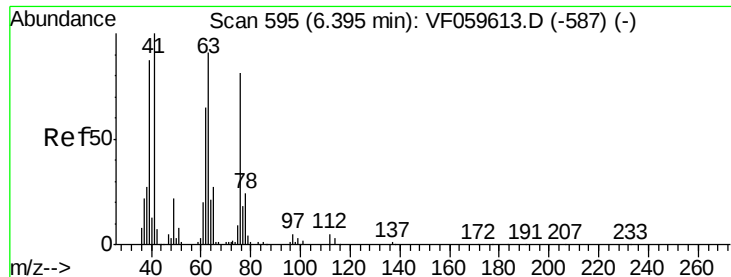
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	130	Resp:	24701
Ion	Ratio	Lower	Upper
130	100		
95	114.8	0.0	226.4





#45

1,2-Dichloropropane

Concen: 10.03 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 17475

Ion Ratio Lower Upper

63 100

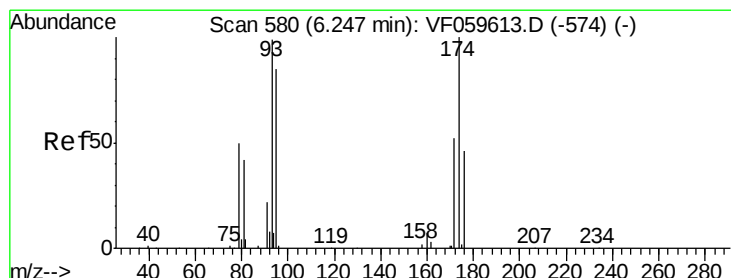
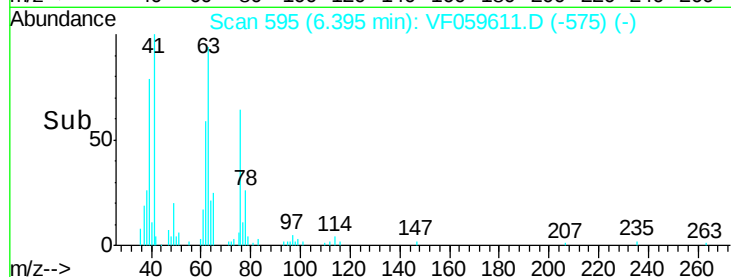
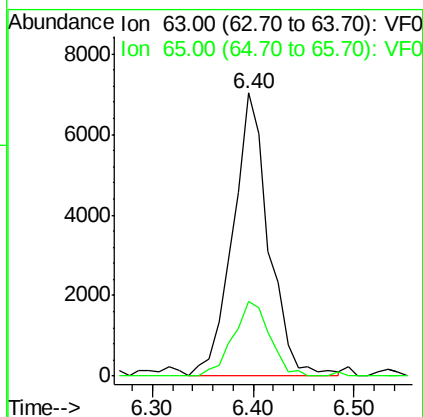
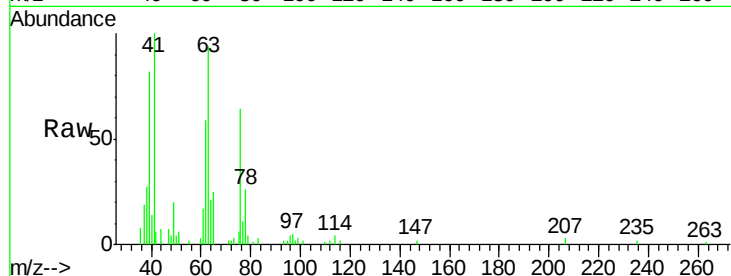
65 26.4 23.4 35.0

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#46

Dibromomethane

Concen: 8.38 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

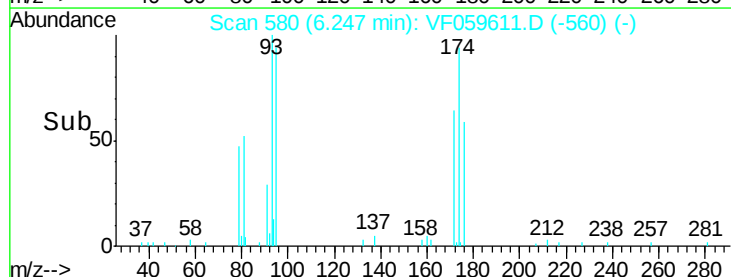
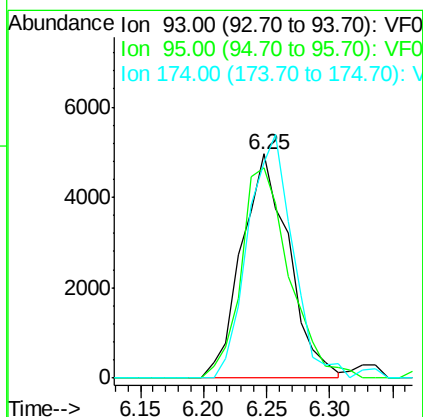
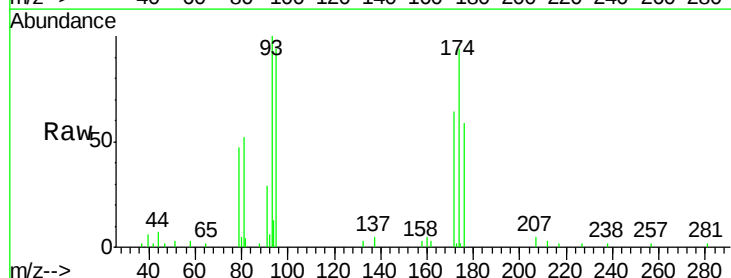
Tgt Ion: 93 Resp: 12884

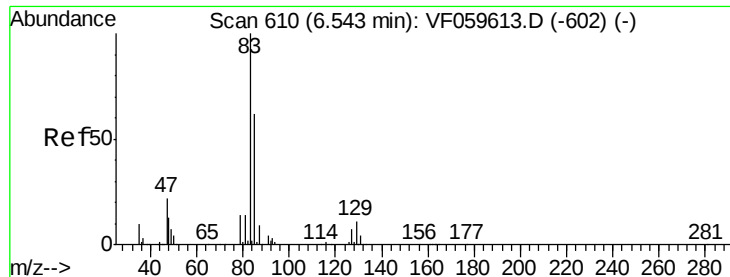
Ion Ratio Lower Upper

93 100

95 94.0 68.6 102.8

174 96.3 80.8 121.2





#47

Bromodichloromethane

Concen: 9.93 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

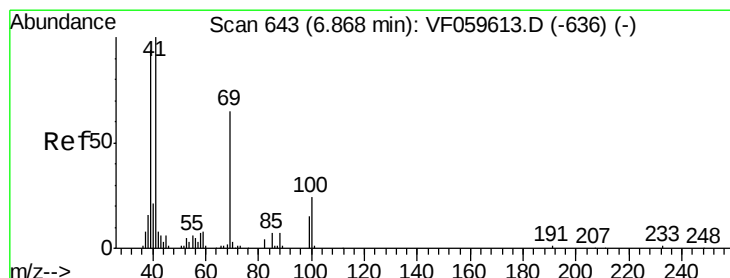
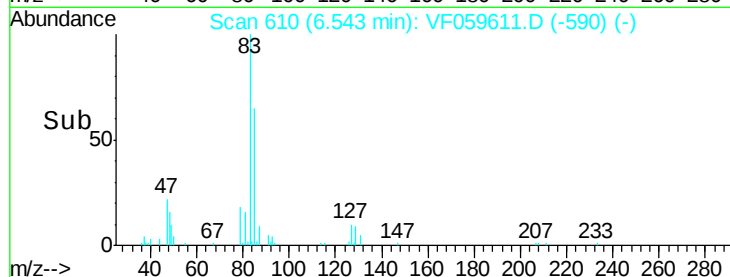
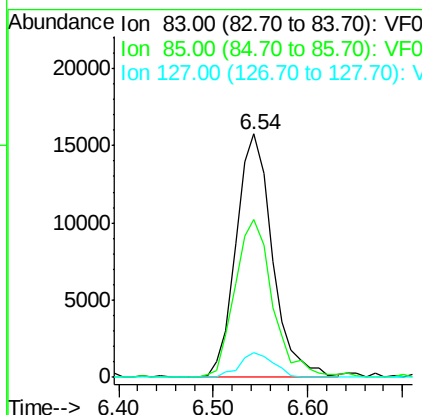
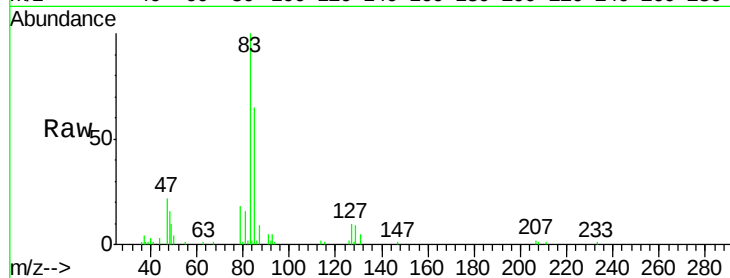
VSTDIC010

Tot Ion:	83	Resp:	42068
Ion Ratio	Lower	Upper	
83	100		
85	64.7	49.4	74.0
127	10.4	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.85 ug/l

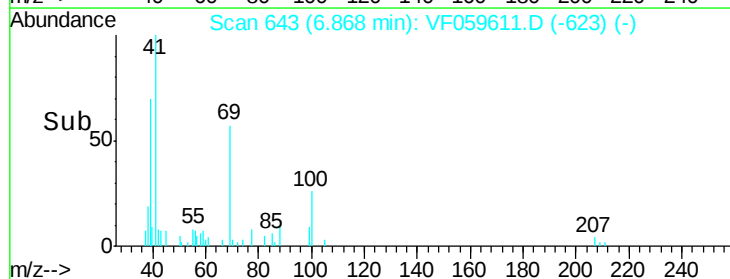
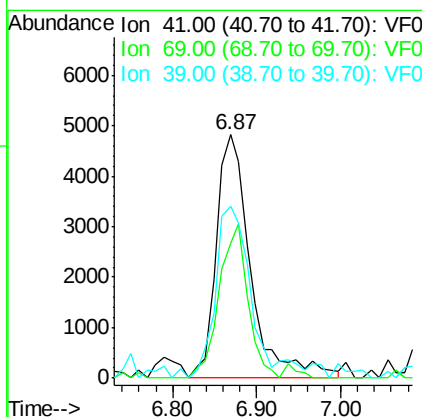
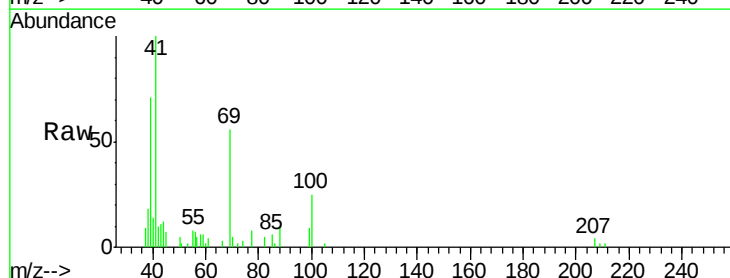
RT: 6.87 min Scan# 643

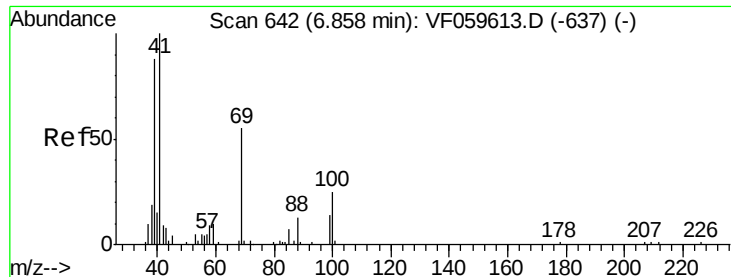
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	41	Resp:	13703
Ion Ratio	Lower	Upper	
41	100		
69	55.6	51.6	77.4
39	70.7	76.3	114.5#





#49

1,4-Dioxane

Concen: 153.38 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

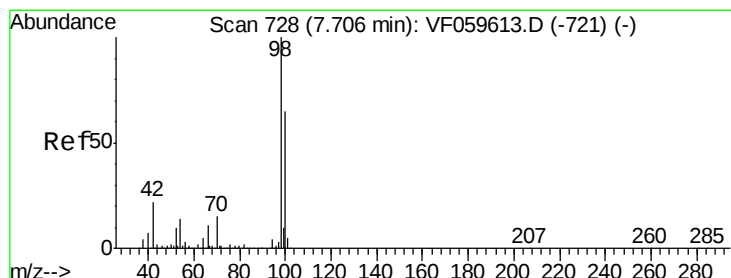
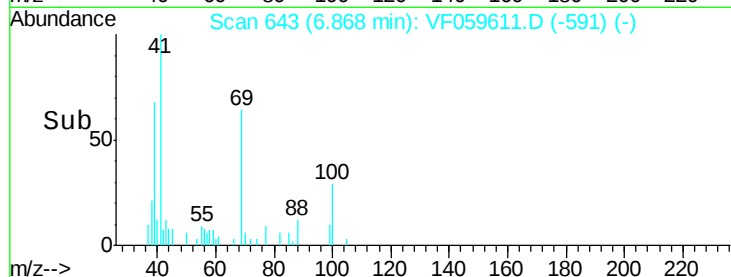
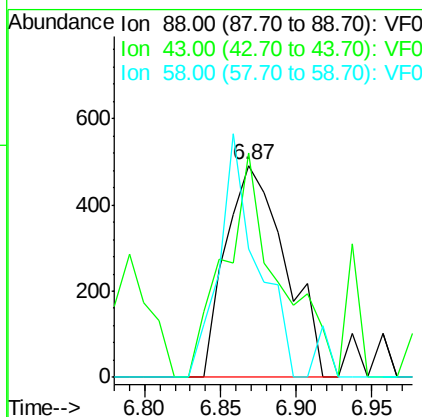
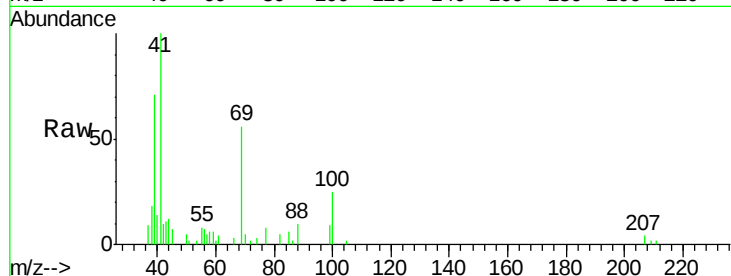
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	106.1	54.2	81.4#
58	60.9	54.3	81.5

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#50

Toluene-d8

Concen: 10.41 ug/l

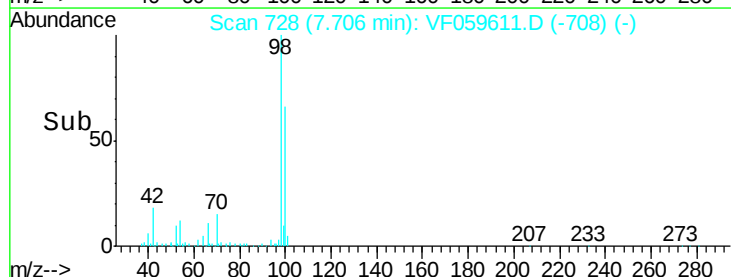
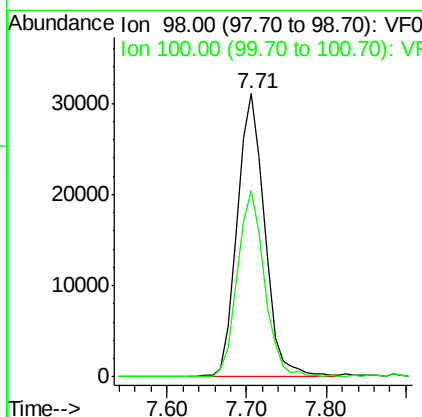
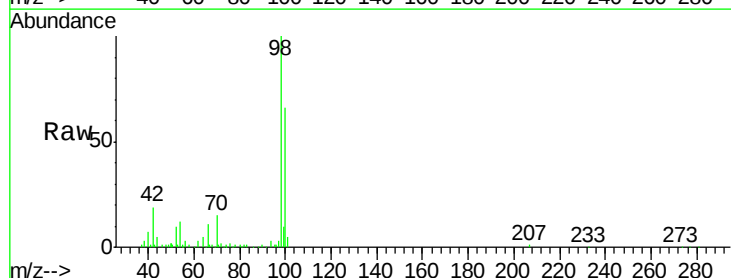
RT: 7.71 min Scan# 728

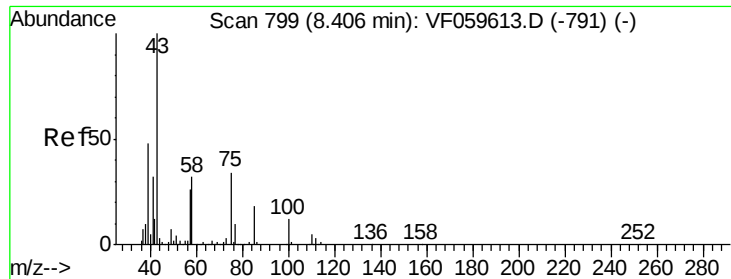
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 38.74 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 59492

Ion Ratio Lower Upper

43 100

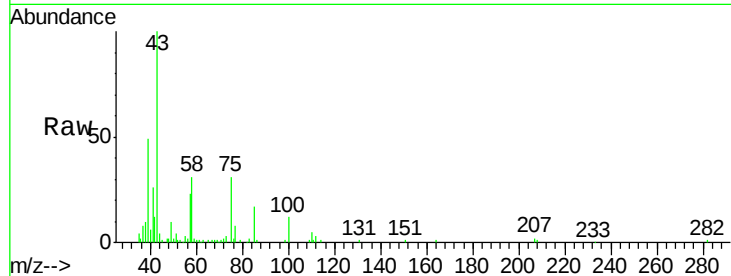
58 31.3 25.8 38.6

Manual Integrations

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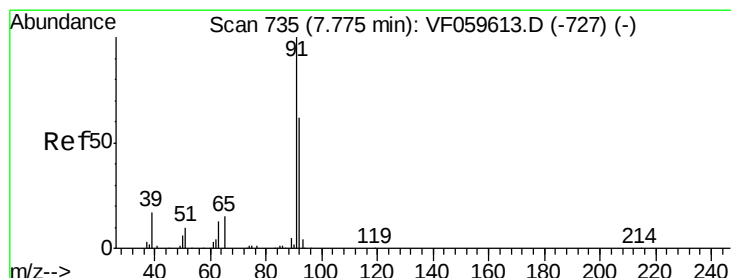
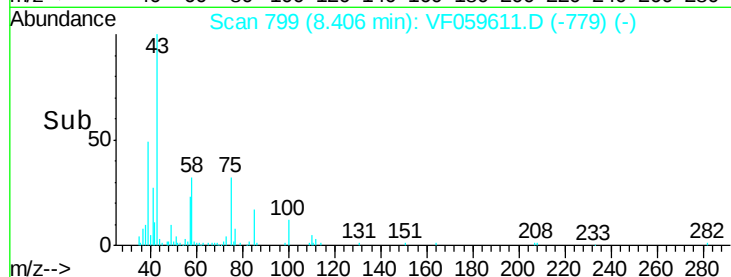
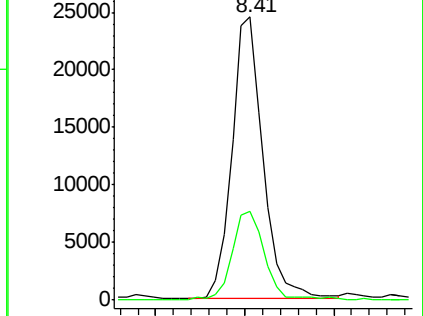
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 10.36 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059611.D

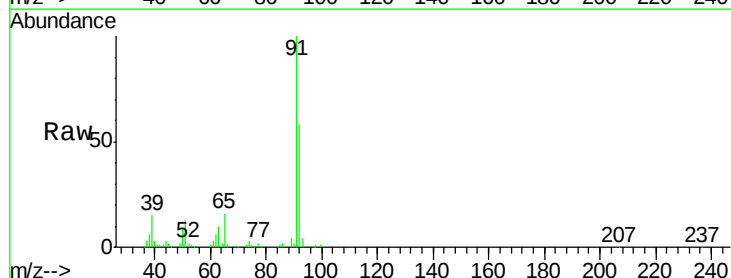
Acq: 23 Jul 2018 13:23

Tgt Ion: 92 Resp: 48620

Ion Ratio Lower Upper

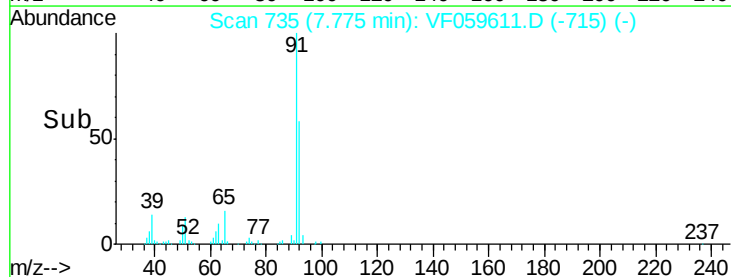
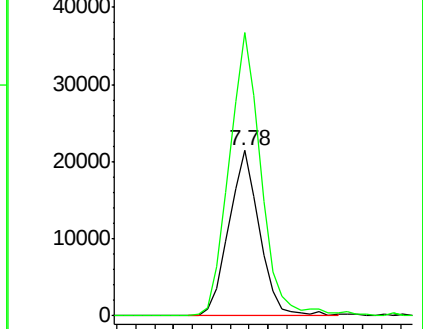
92 100

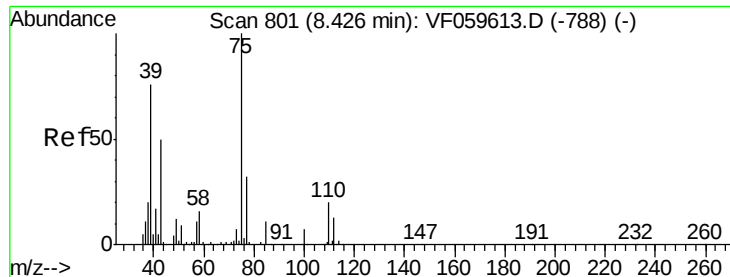
91 171.0 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





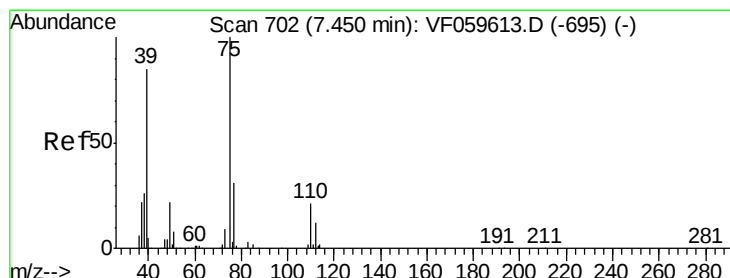
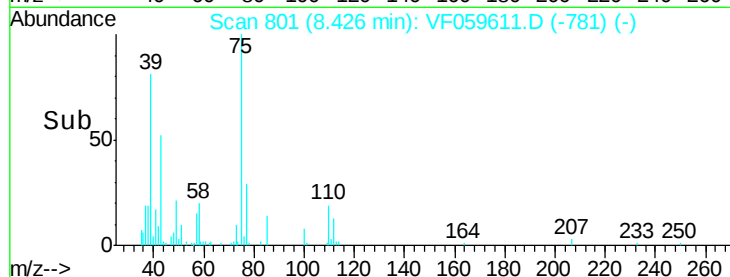
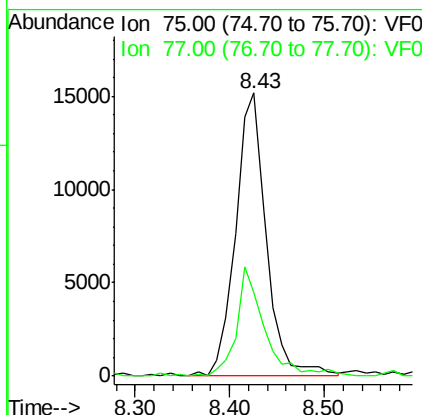
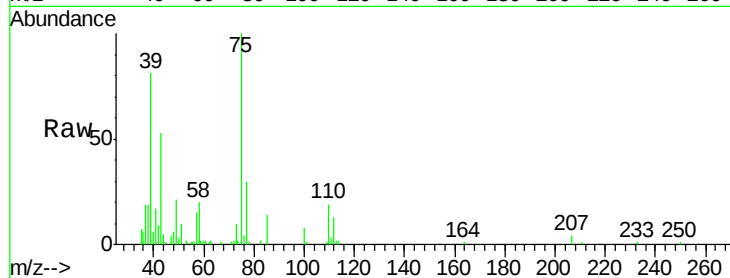
#53
t-1,3-Dichloropropene
Concen: 9.07 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.6	38.4

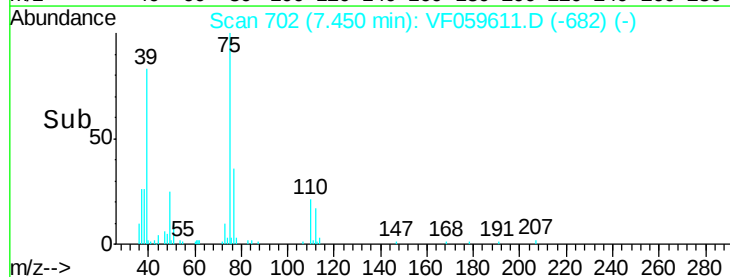
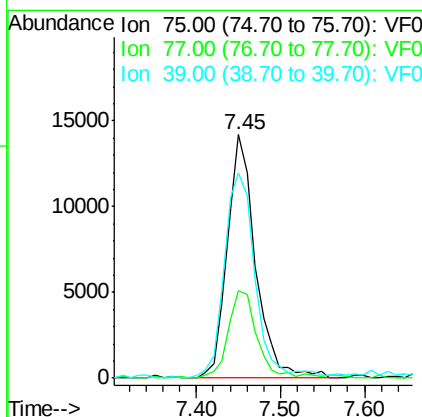
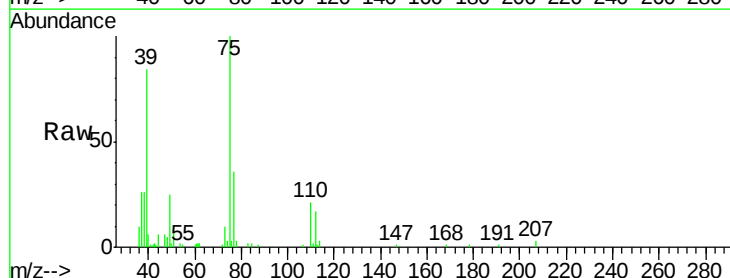
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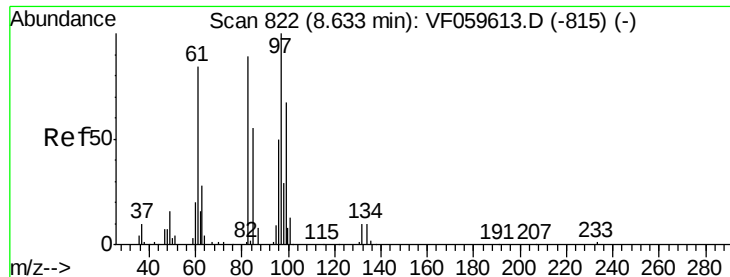
apatel
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#54
cis-1,3-Dichloropropene
Concen: 8.84 ug/l
RT: 7.45 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.7	24.6	37.0
39	84.3	67.8	101.6





#55

1,1,2-Trichloroethane

Concen: 8.84 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

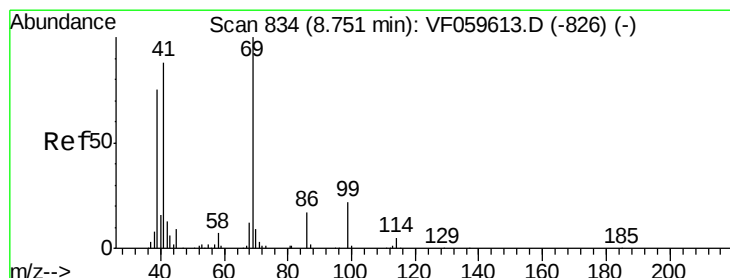
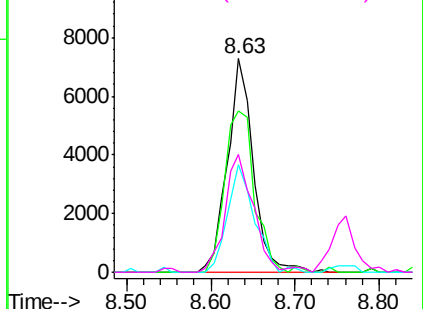
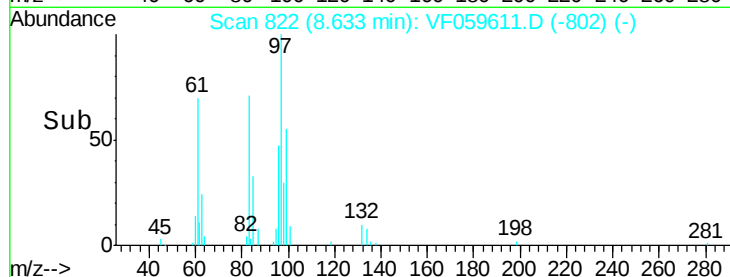
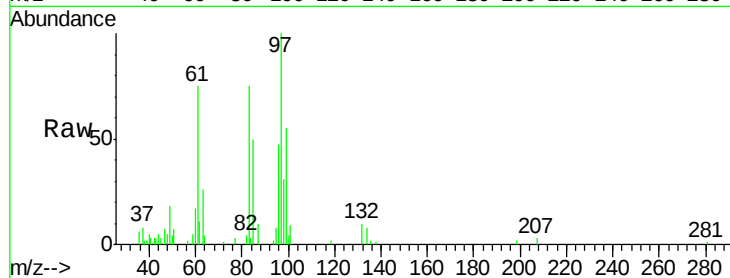
VSTDIC010

Tot Ion:	97	Resp:	15621
Ion	Ratio	Lower	Upper
97	100		
83	75.2	71.8	107.6
85	50.3	43.9	65.9
99	55.1	53.5	80.3

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#56

Ethyl methacrylate

Concen: 7.72 ug/l

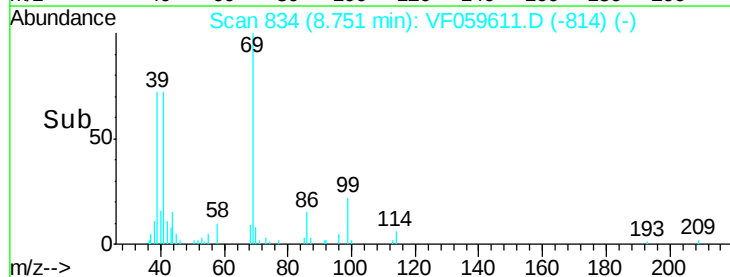
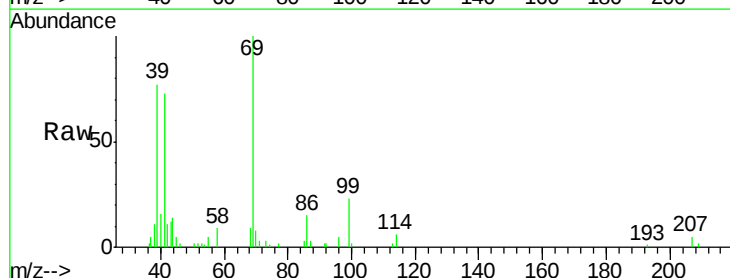
RT: 8.75 min Scan# 834

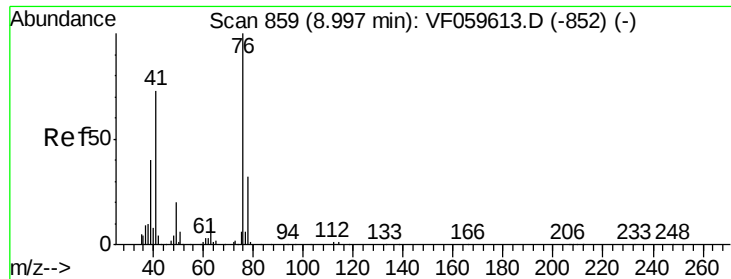
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	69	Resp:	16256
Ion	Ratio	Lower	Upper
69	100		
41	72.5	70.8	106.2
39	76.7	60.7	91.1





#57

1,3-Dichloropropane

Concen: 8.61 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 26704

Ion Ratio Lower Upper

76 100

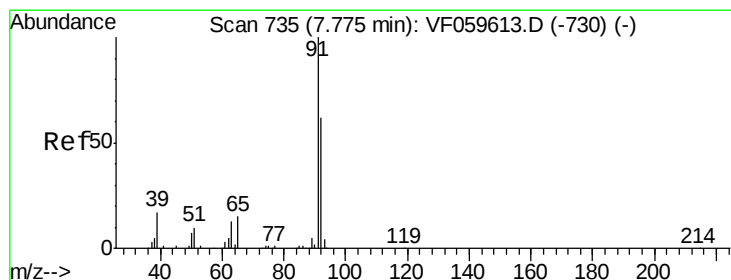
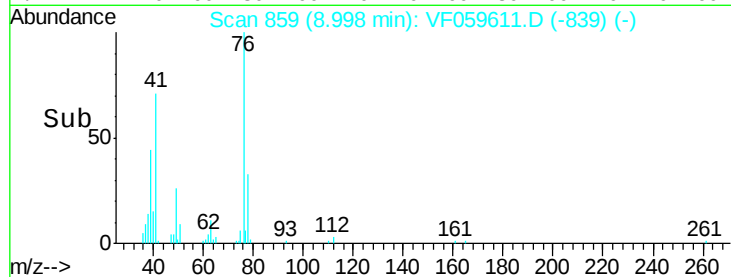
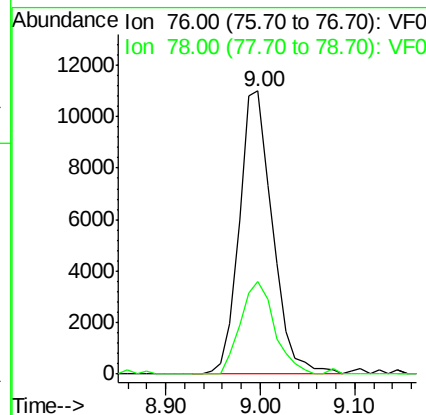
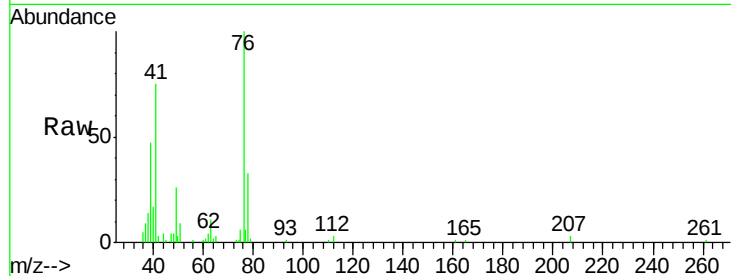
78 32.7 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 56.96 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059611.D

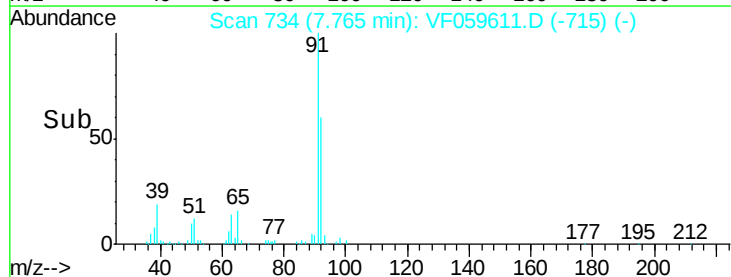
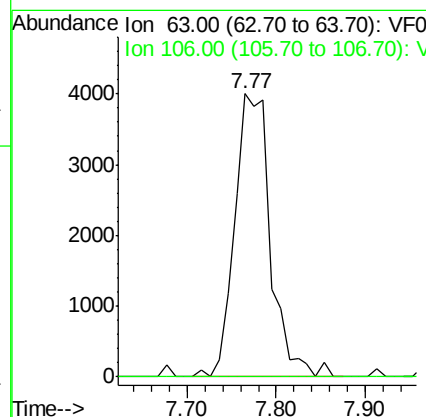
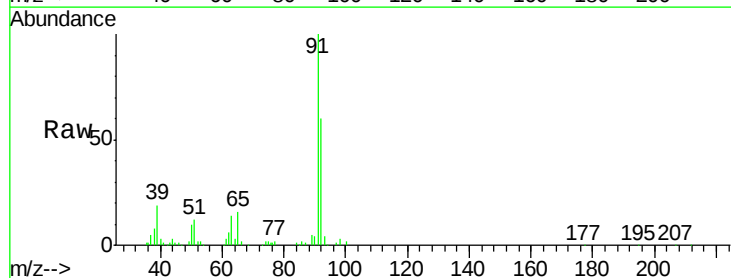
Acq: 23 Jul 2018 13:23

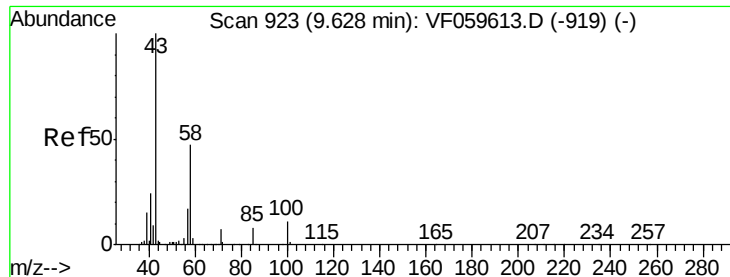
Tgt Ion: 63 Resp: 11206

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





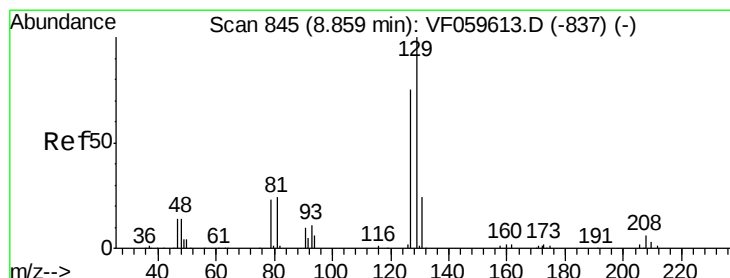
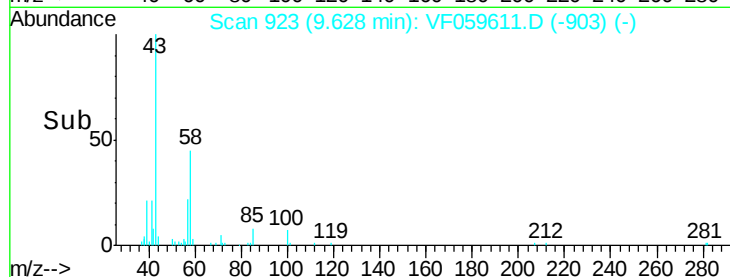
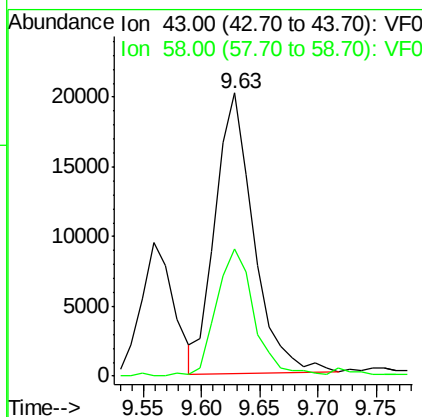
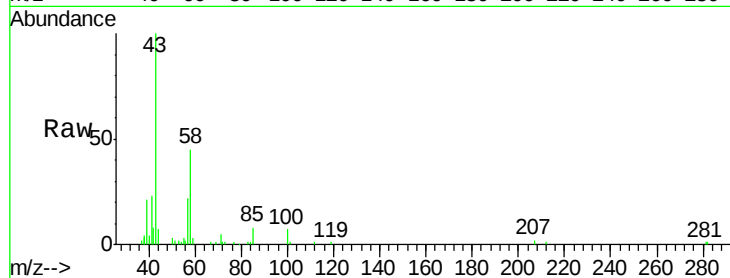
#59
2-Hexanone
Concen: 38.25 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 46061
Ion Ratio Lower Upper
43 100
58 45.0 21.1 63.4

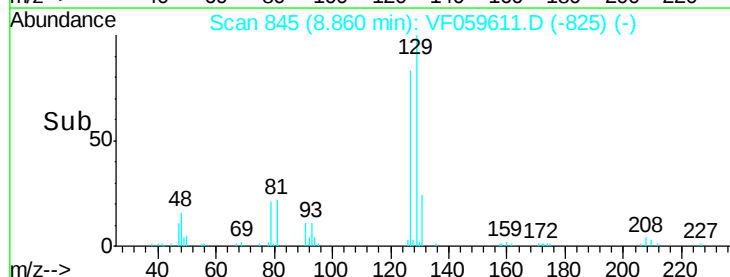
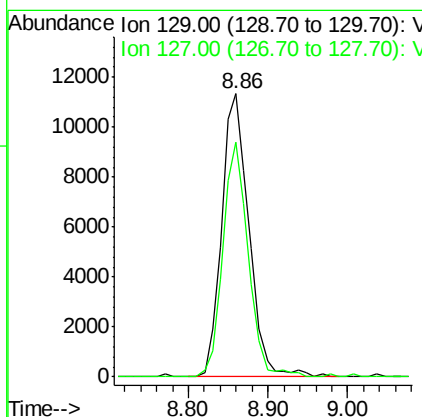
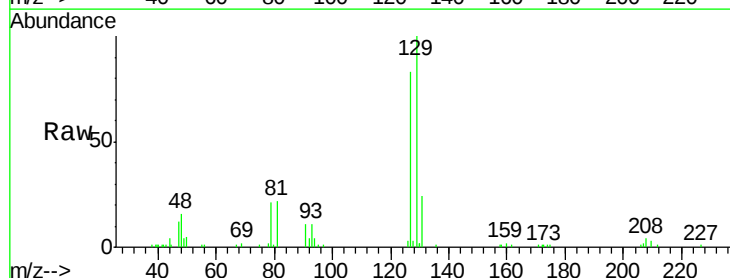
Manual Integrations
APPROVED

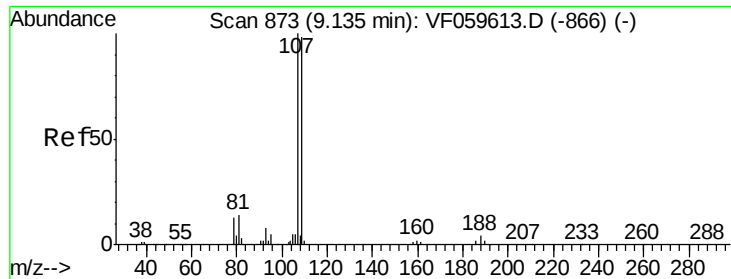
apatel
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#60
Dibromochloromethane
Concen: 9.12 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 129 Resp: 27264
Ion Ratio Lower Upper
129 100
127 85.7 37.5 112.7





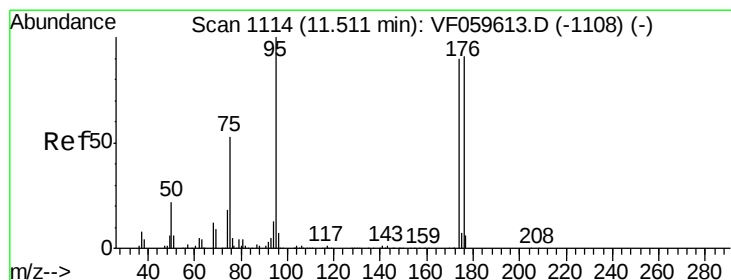
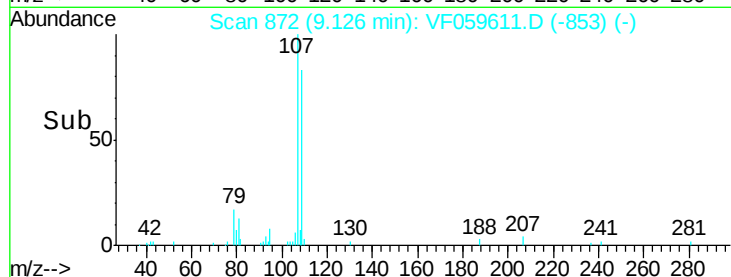
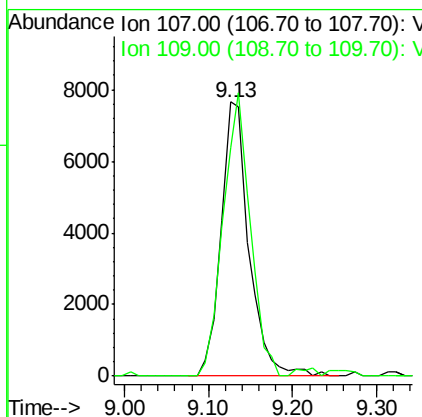
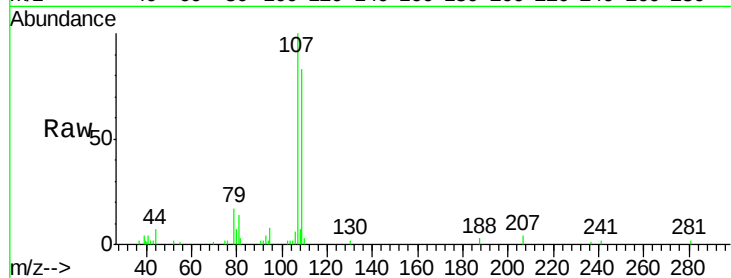
#61
 1,2-Dibromoethane
 Concen: 8.41 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	83.4	78.2	117.4

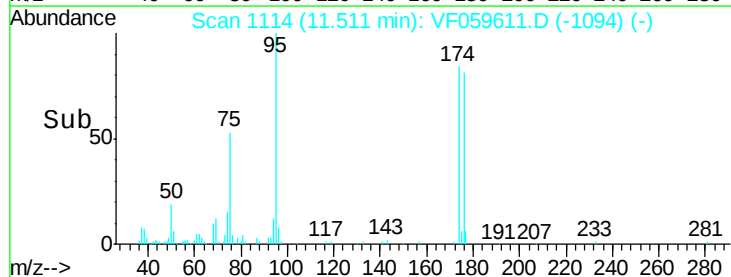
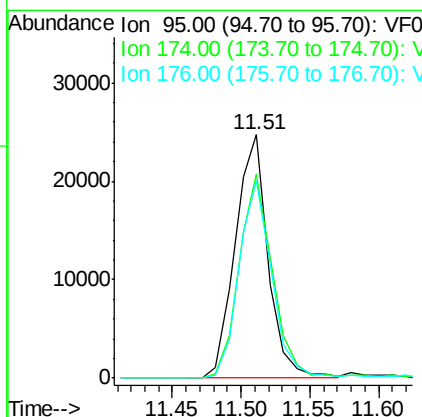
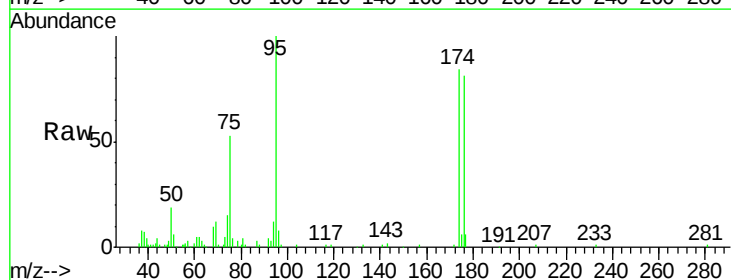
Manual Integrations
 APPROVED

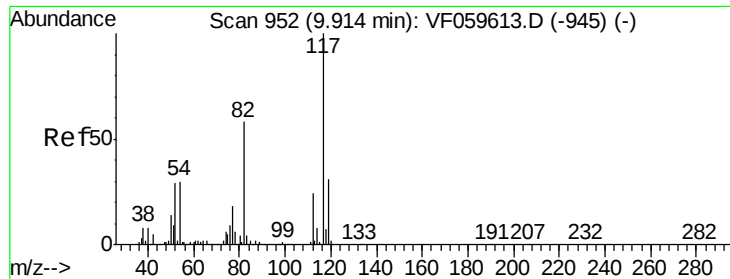
apatel
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#62
 4-Bromofluorobenzene
 Concen: 10.46 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	180.6
176	81.0	0.0	182.4





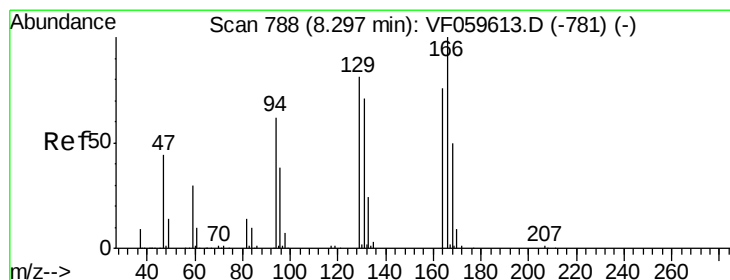
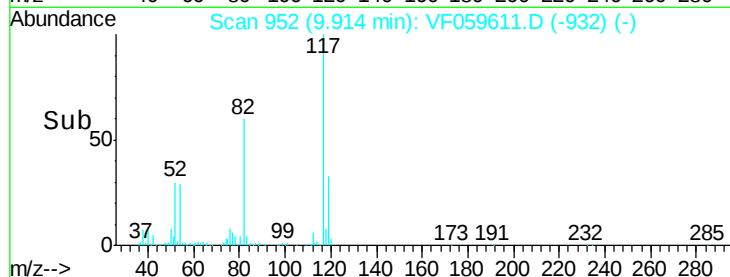
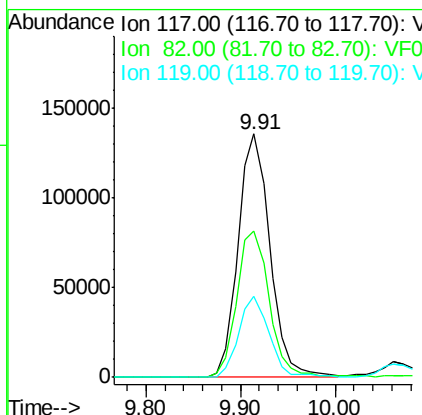
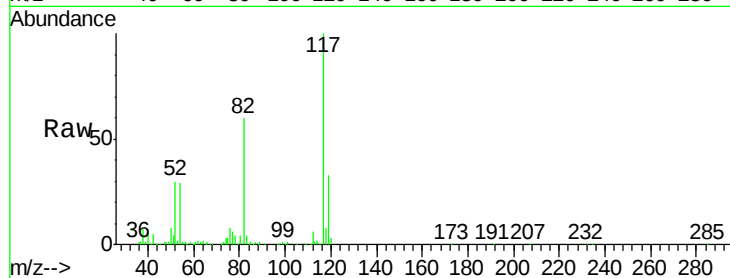
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	318373		
82	60.0		46.5	69.7
119	33.1		24.4	36.6

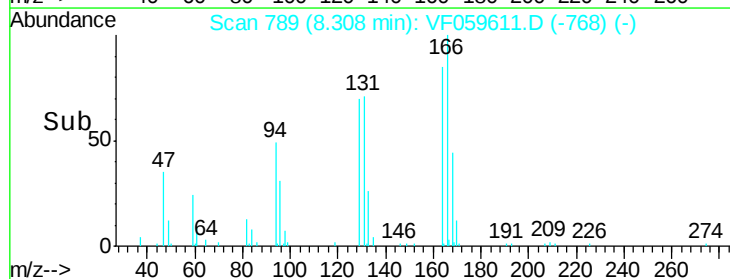
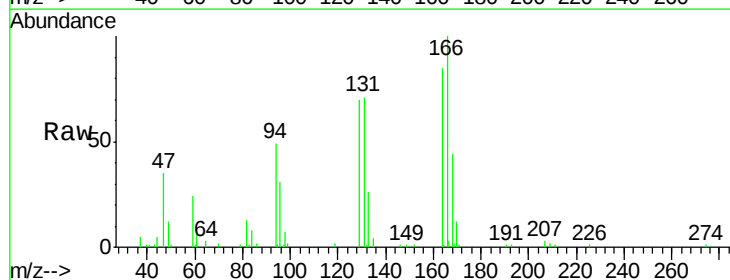
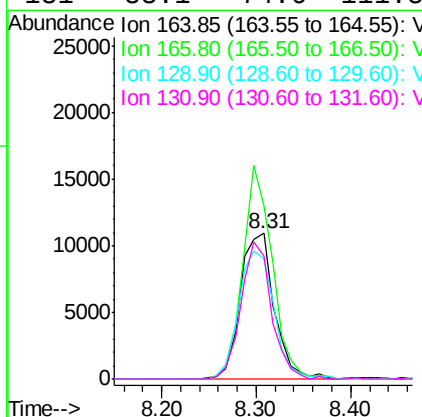
Manual Integrations
APPROVED

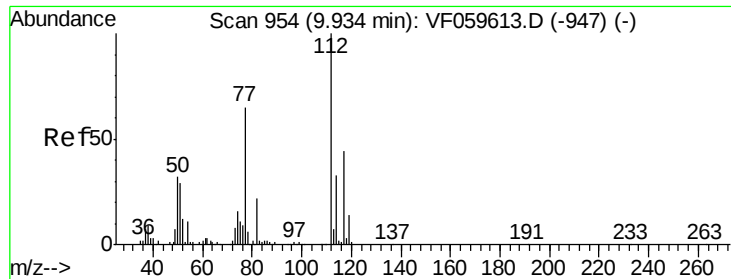
apatel
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#64
Tetrachloroethene
Concen: 11.37 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	27097		
166	116.5		104.8	157.2
129	81.0		85.3	127.9
131	83.1		74.6	111.8





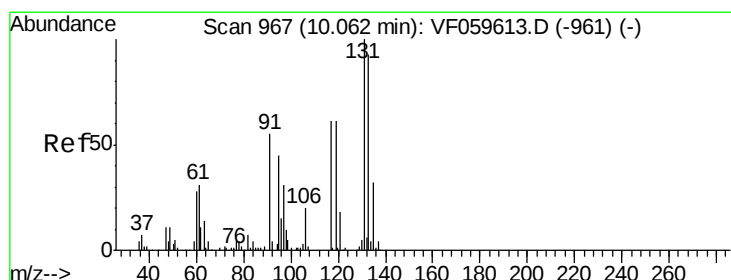
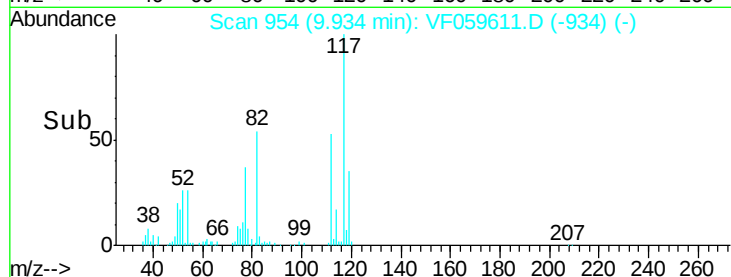
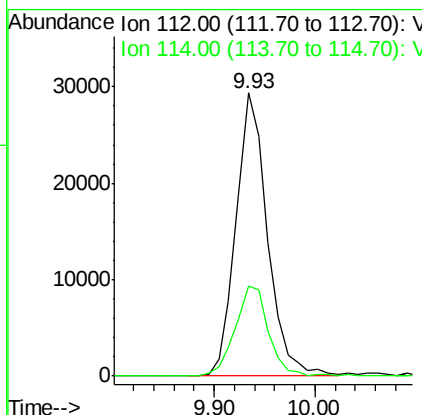
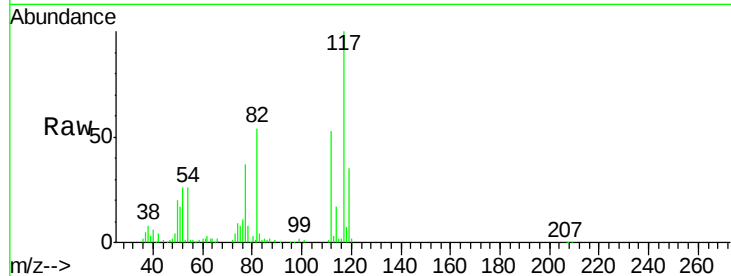
#65
Chlorobenzene
Concen: 10.51 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.8	40.2

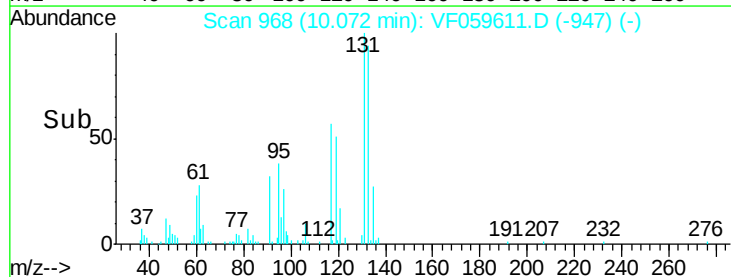
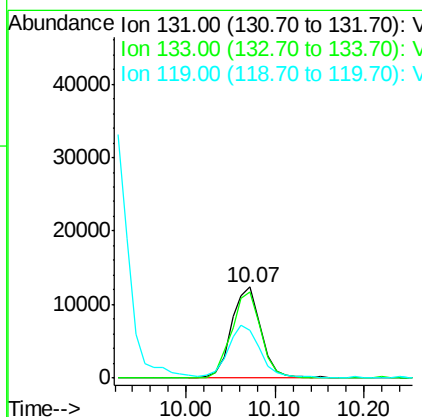
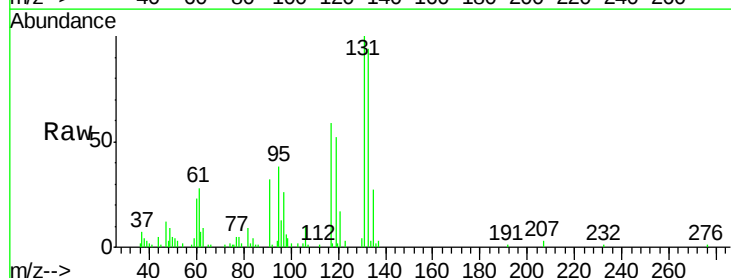
Manual Integrations
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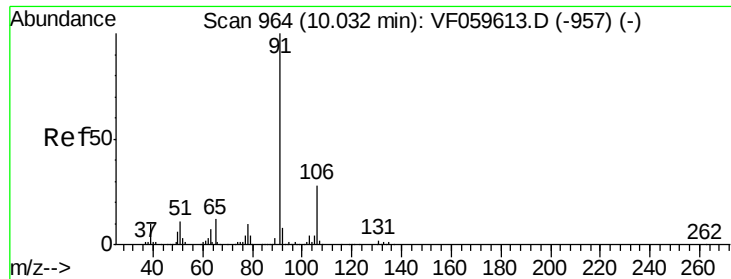
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.45 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	46.4	139.2
119	52.1	30.6	91.8





#67

Ethyl Benzene

Concen: 10.98 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 117939

Ion Ratio Lower Upper

91 100

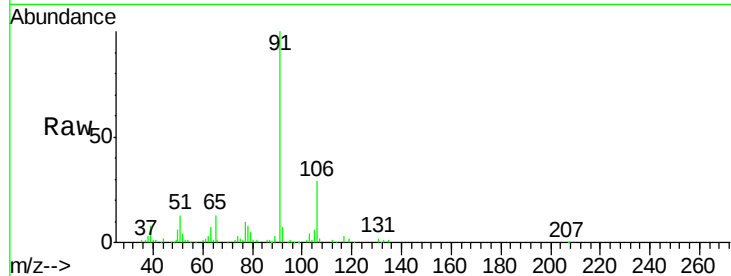
106 28.5 22.5 33.7

Manual Integrations

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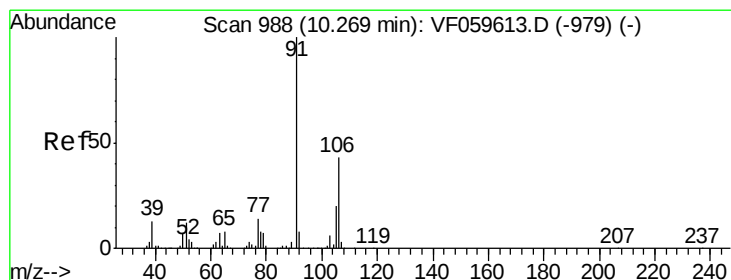
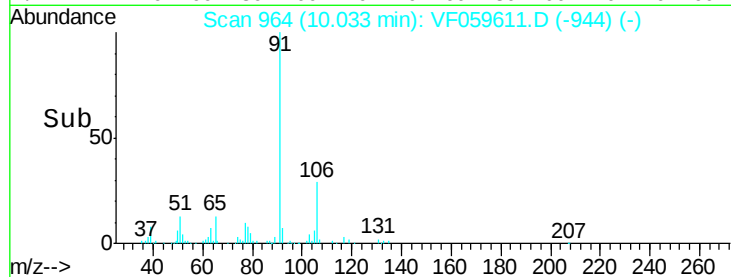
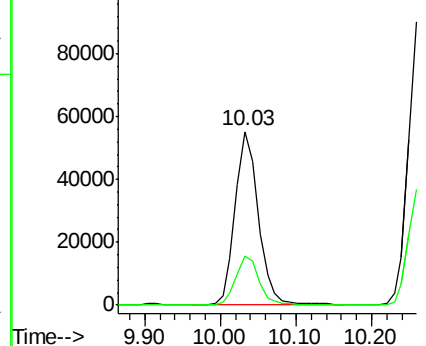
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 22.25 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059611.D

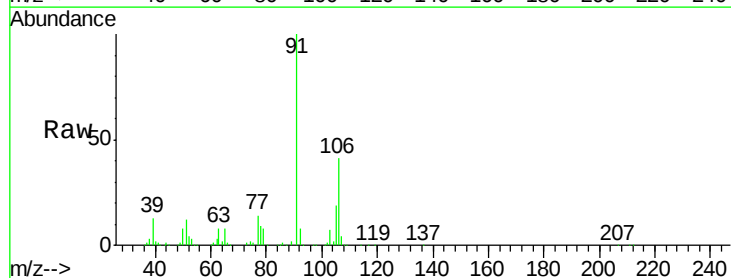
Acq: 23 Jul 2018 13:23

Tgt Ion: 106 Resp: 82083

Ion Ratio Lower Upper

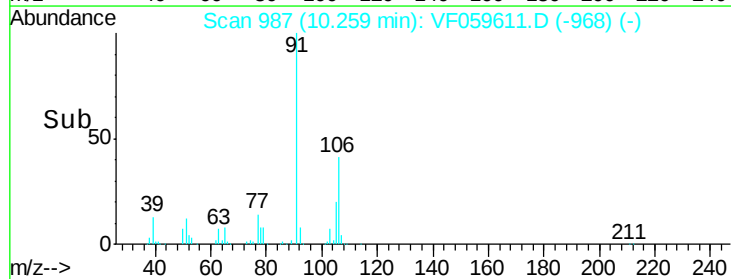
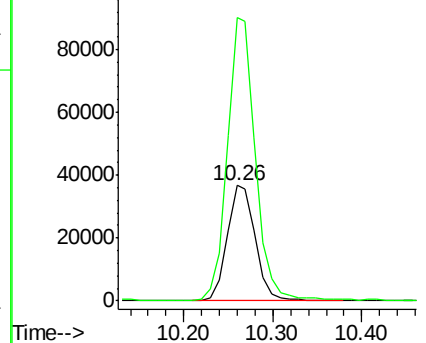
106 100

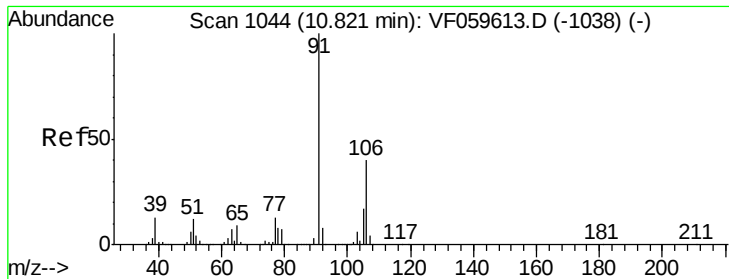
91 244.7 187.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





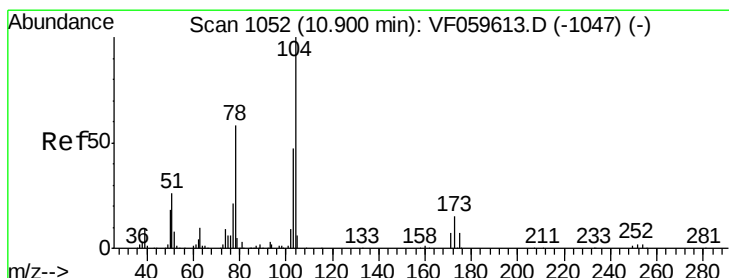
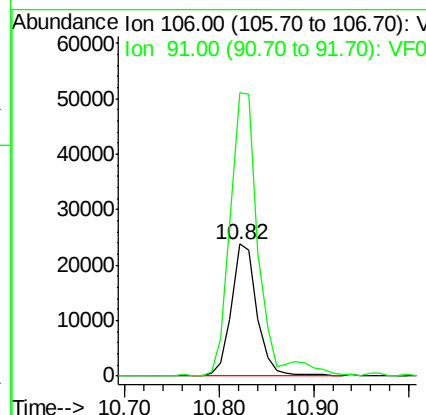
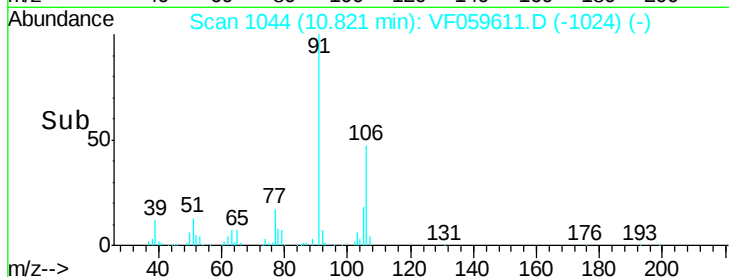
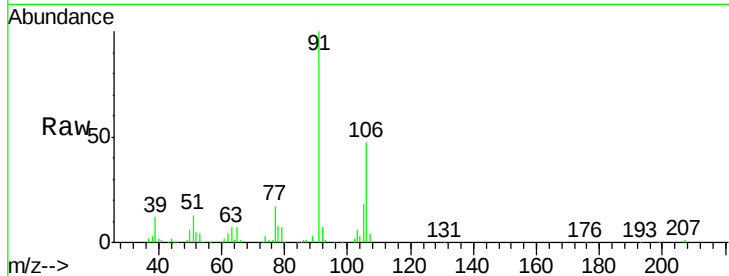
#69
o-Xylene
Concen: 11.15 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 45095
Ion Ratio Lower Upper
106 100
91 214.7 125.8 377.3

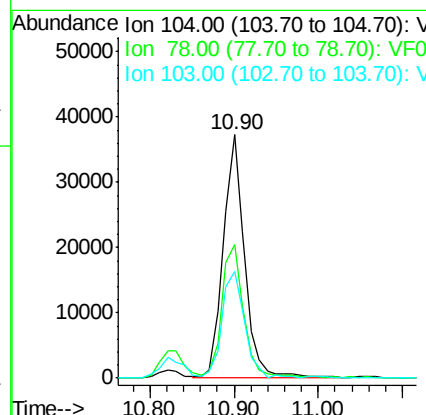
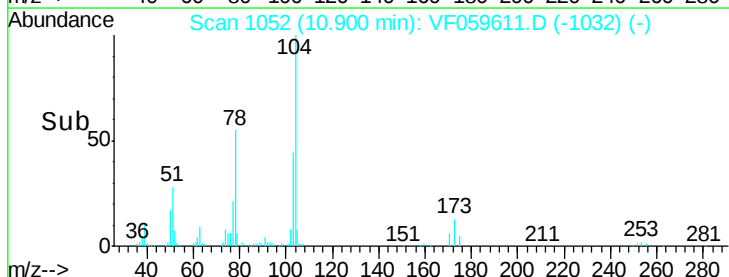
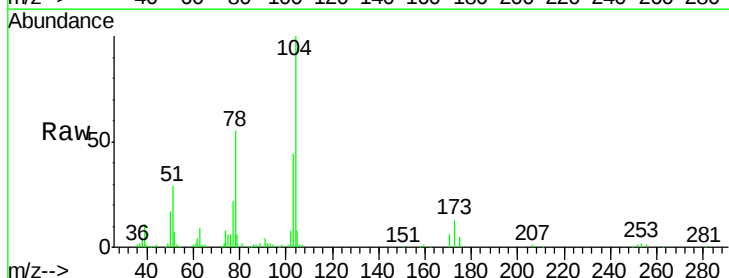
Manual Integrations
APPROVED

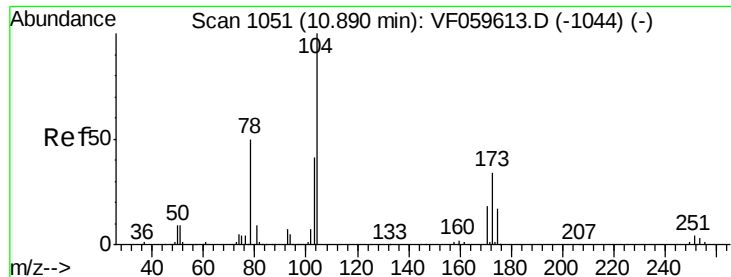
apatel
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#70
Styrene
Concen: 10.86 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion:104 Resp: 65805
Ion Ratio Lower Upper
104 100
78 54.7 47.4 71.2
103 43.7 38.8 58.2





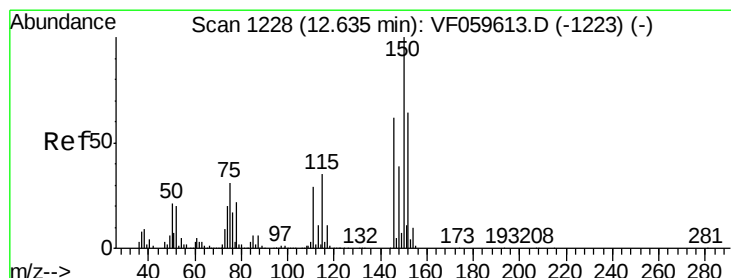
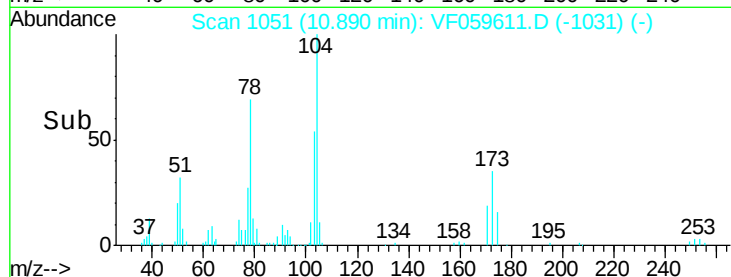
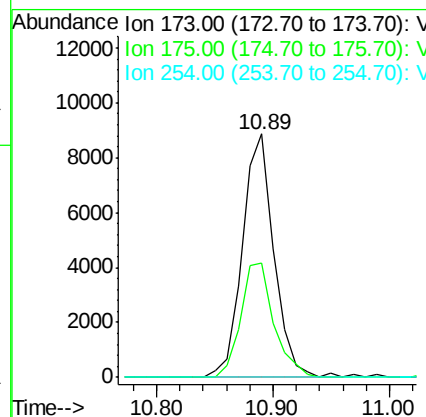
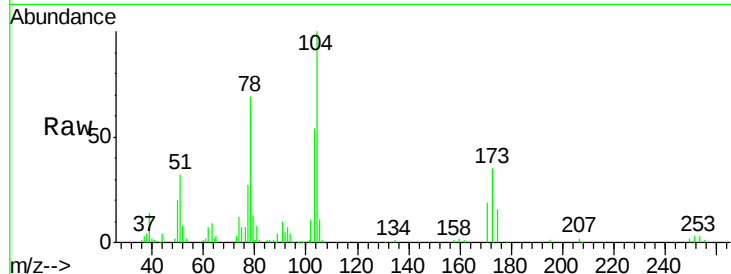
#71
Bromoform
Concen: 8.86 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	25.1	75.2
254	0.0	0.0	0.0

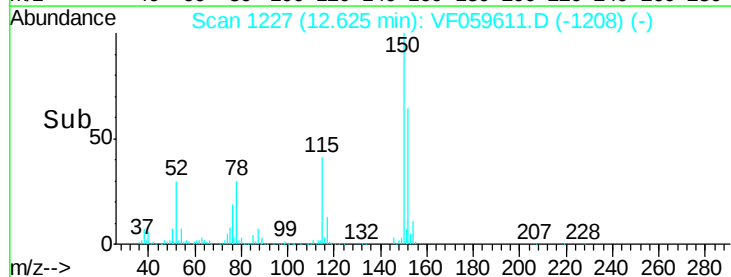
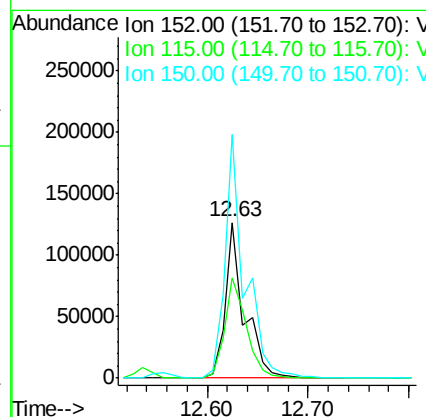
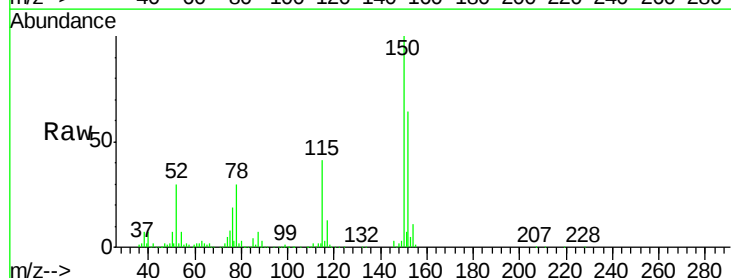
Manual Integrations
APPROVED

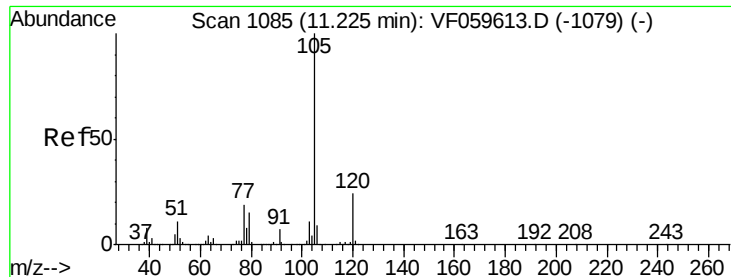
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	27.8	83.4
150	156.4	0.0	314.6





#73

Isopropylbenzene

Concen: 13.10 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 138205

Ion Ratio Lower Upper

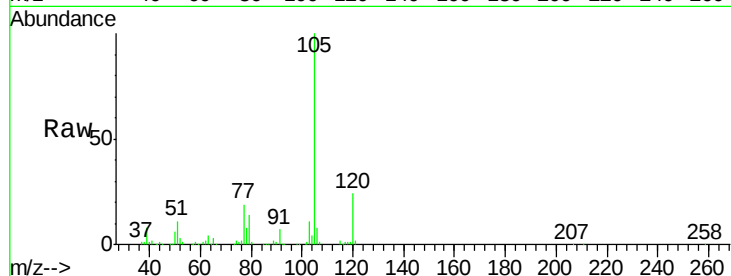
105 100

120 24.3 11.8 35.4

Manual Integrations
APPROVED

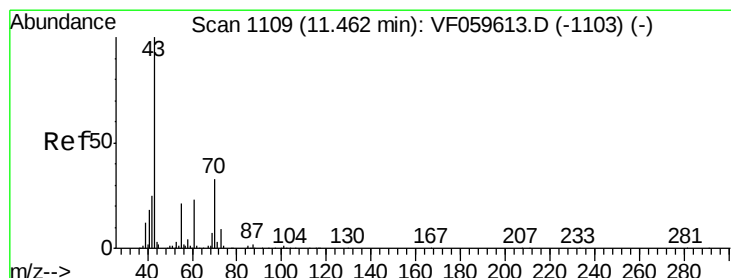
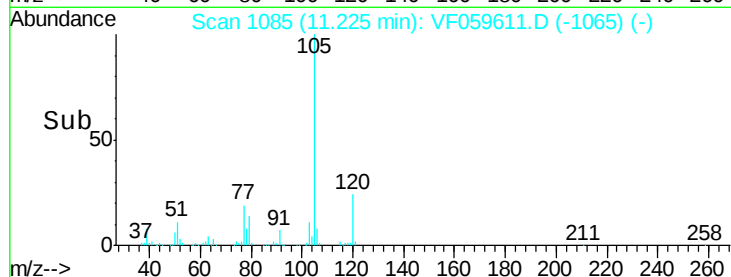
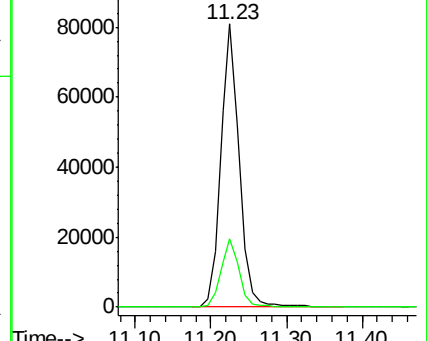
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.76 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion: 43 Resp: 26977

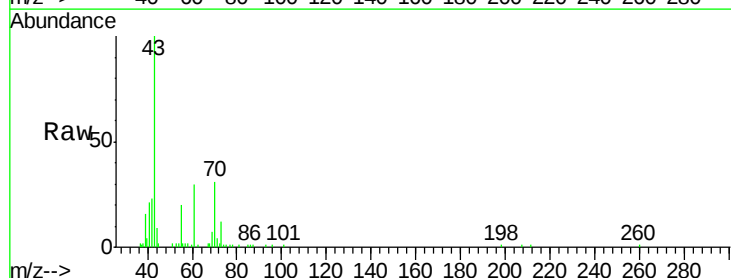
Ion Ratio Lower Upper

43 100

70 31.1 26.6 40.0

55 20.5 17.0 25.6

61 30.3 18.3 27.5#

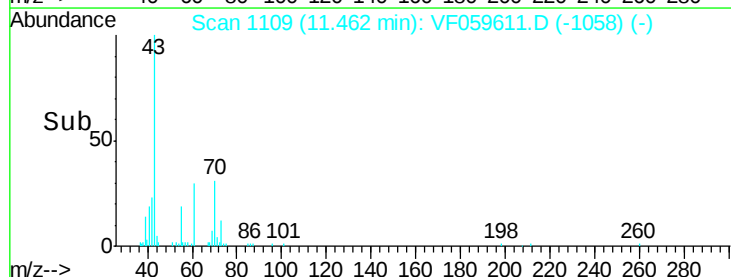
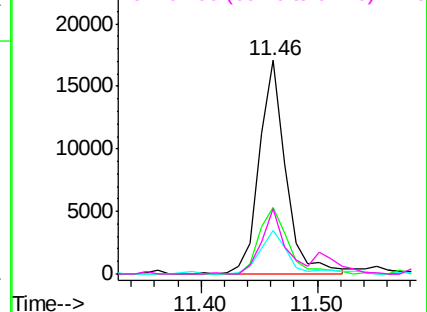


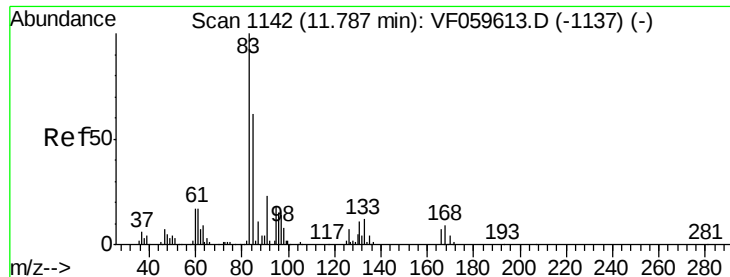
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.02 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

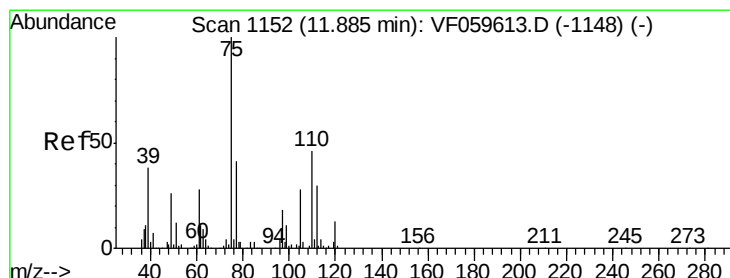
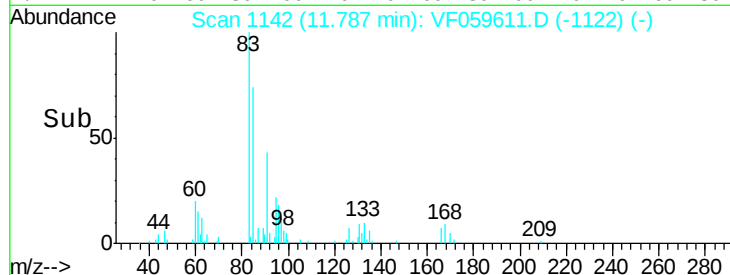
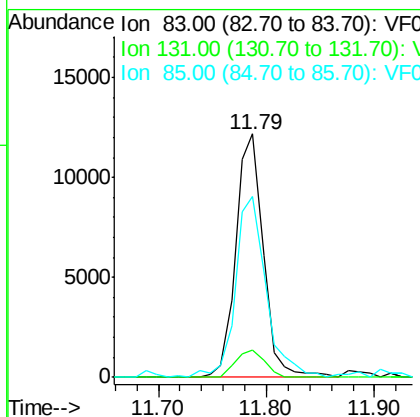
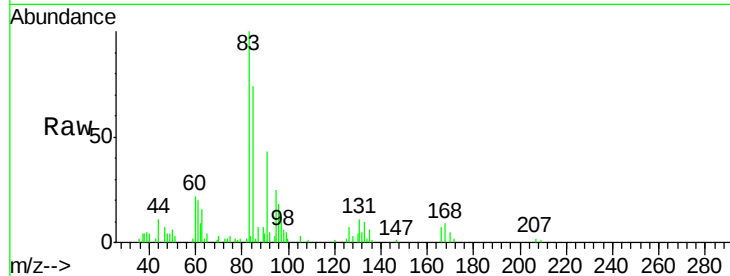
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	21500
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	74.4	31.1	93.3

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#76

1,2,3-Trichloropropane

Concen: 10.65 ug/l

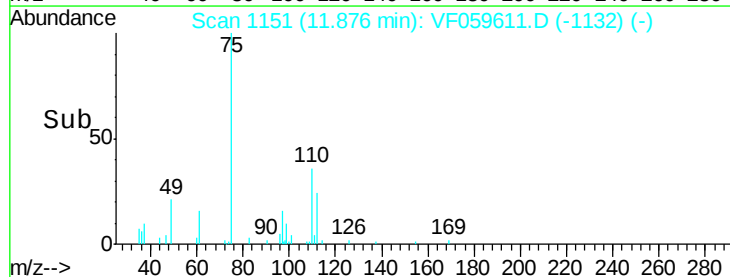
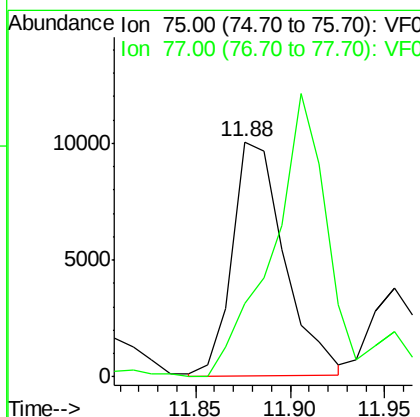
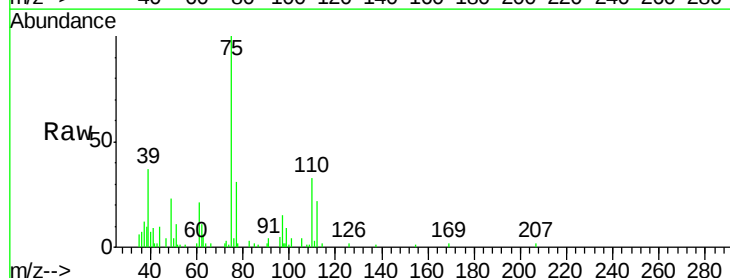
RT: 11.88 min Scan# 1151

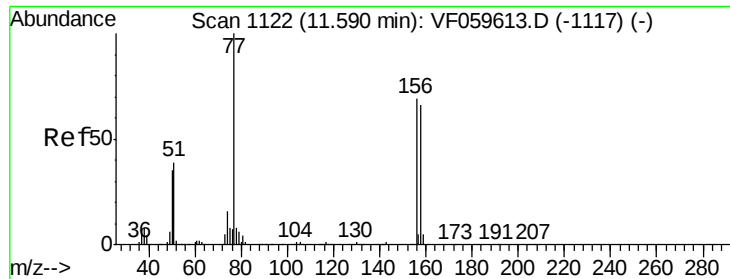
Delta R.T. -0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:	75	Resp:	19088
Ion Ratio	Lower	Upper	
75	100		
77	31.5	20.9	62.8





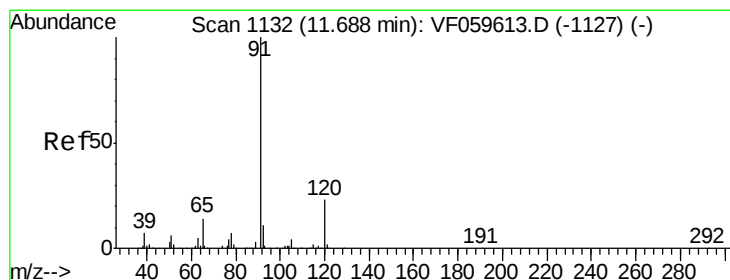
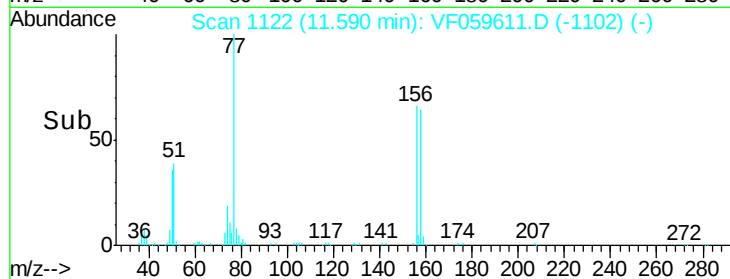
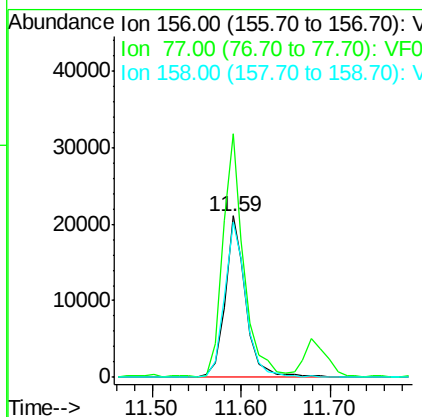
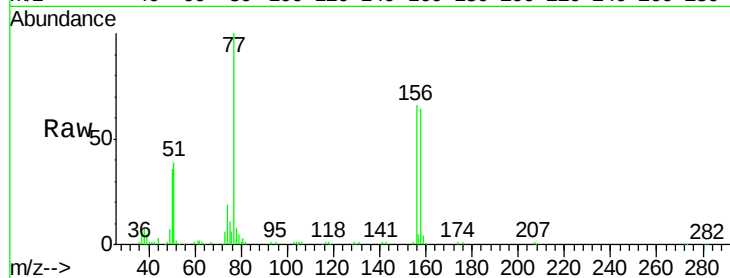
#77
Bromobenzene
Concen: 11.72 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.0	72.1	216.3	
158	96.0	47.3	141.9	

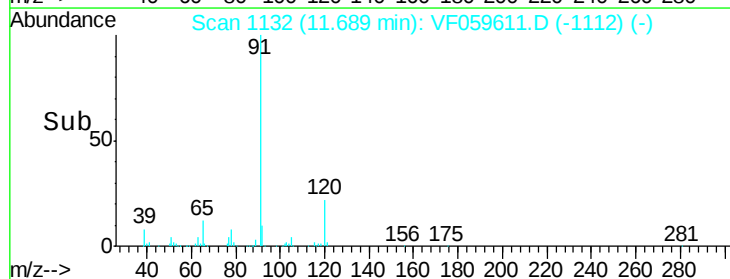
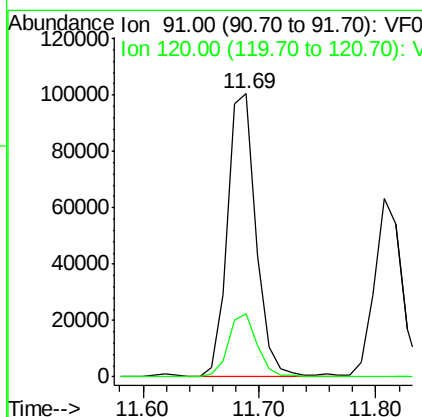
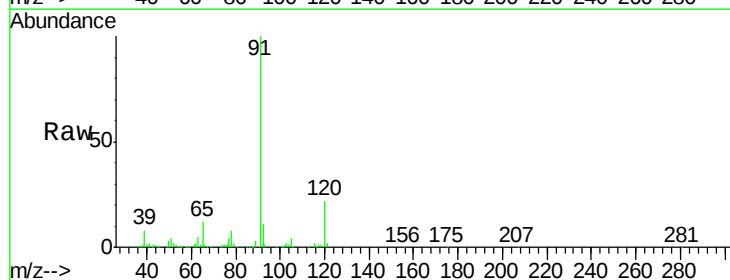
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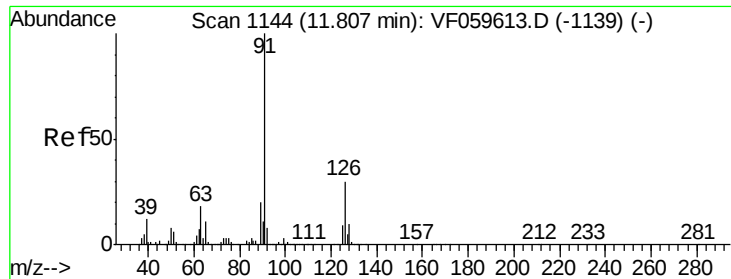
apatel
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#78
n-propylbenzene
Concen: 13.75 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.6	34.7	





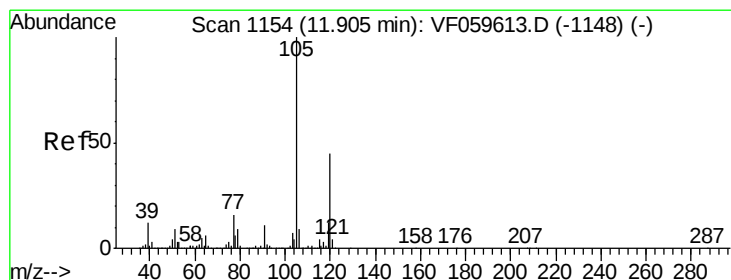
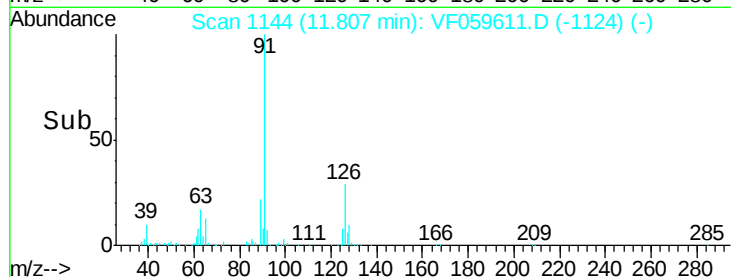
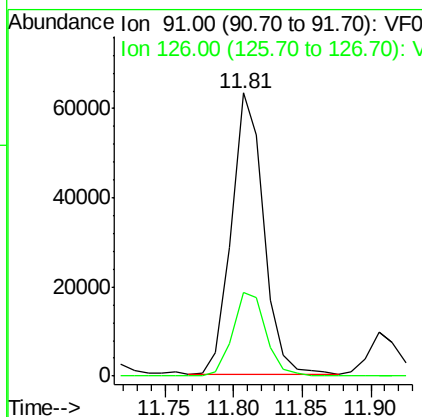
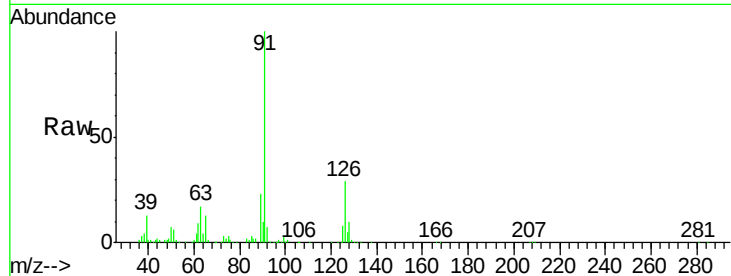
#79
 2-Chlorotoluene
 Concen: 13.71 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.4	15.1	45.3

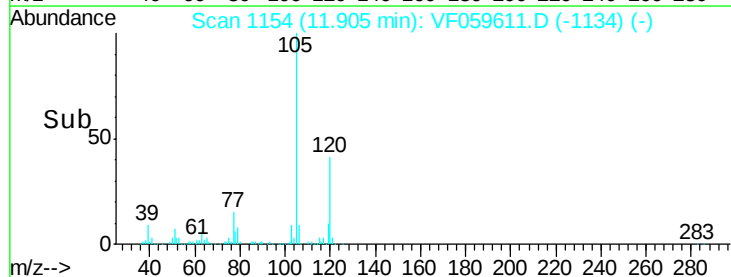
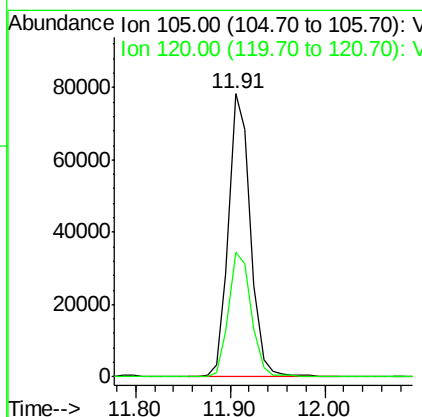
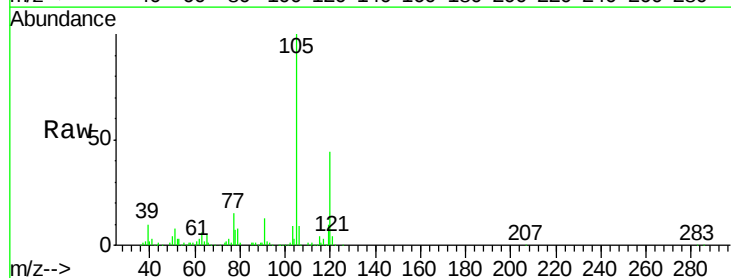
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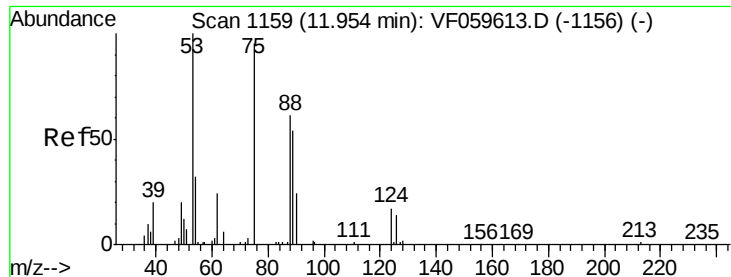
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#80
 1,3,5-Trimethylbenzene
 Concen: 14.01 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.15 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 7125

Ion Ratio Lower Upper

75 100

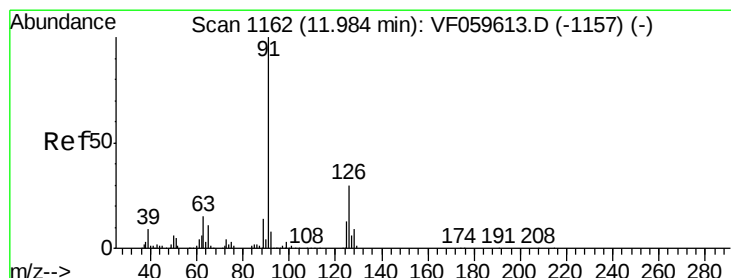
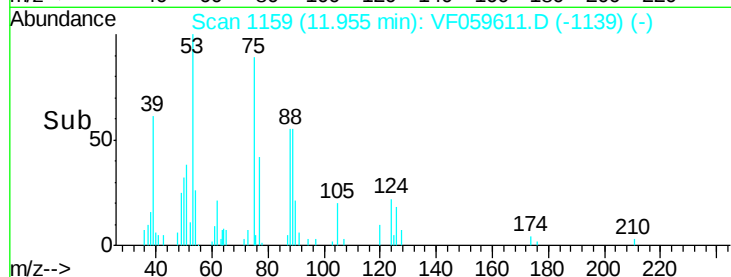
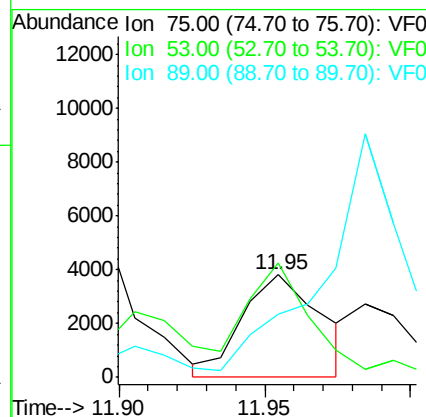
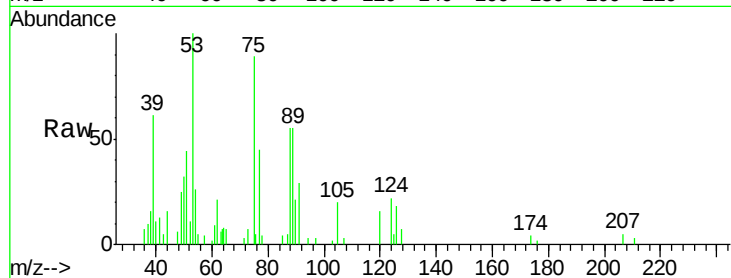
53 112.2 86.4 129.6

89 61.6 46.8 70.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 13.45 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059611.D

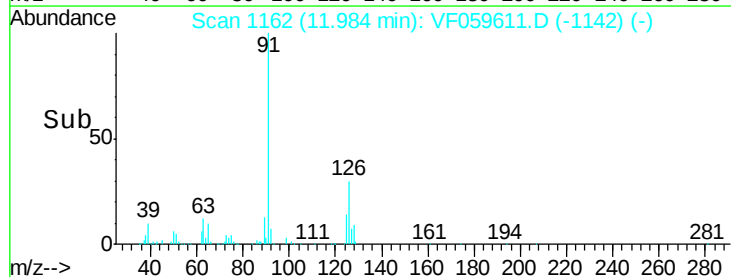
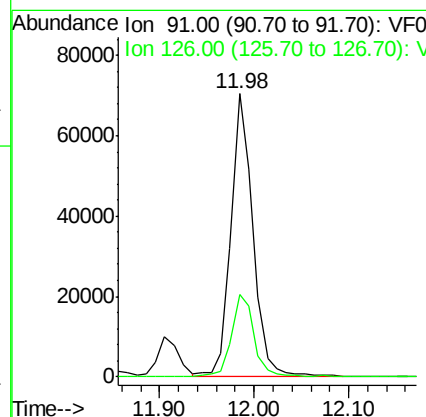
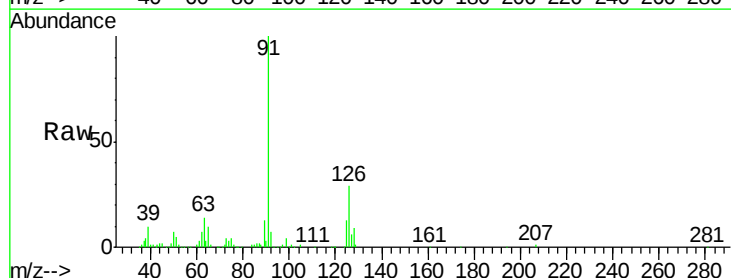
Acq: 23 Jul 2018 13:23

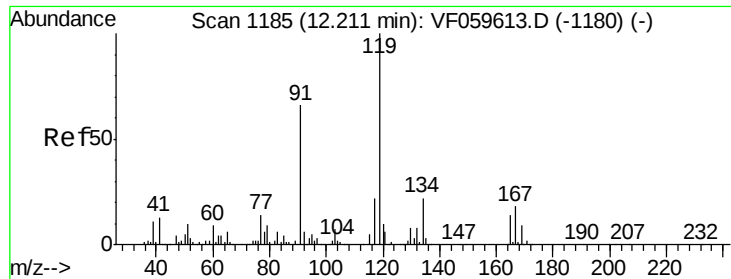
Tgt Ion: 91 Resp: 112823

Ion Ratio Lower Upper

91 100

126 29.3 14.7 44.1





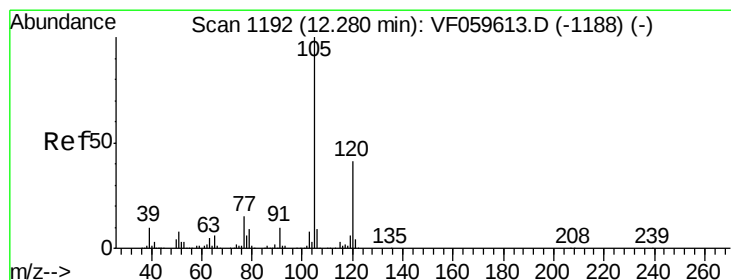
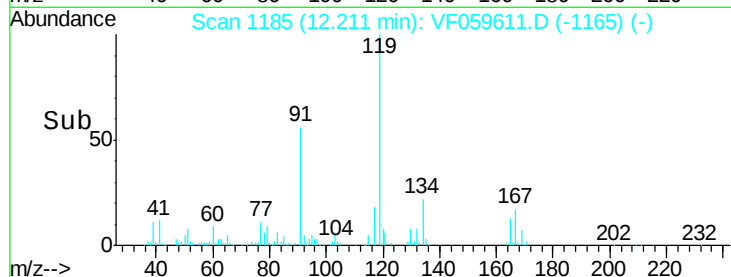
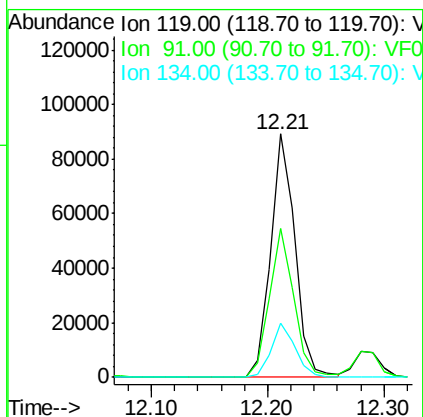
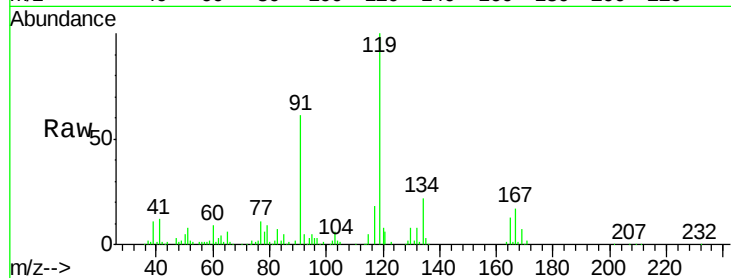
#83
 tert-Butylbenzene
 Concen: 14.72 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129366		
91	61.0		33.2	99.6
134	22.4		10.9	32.6

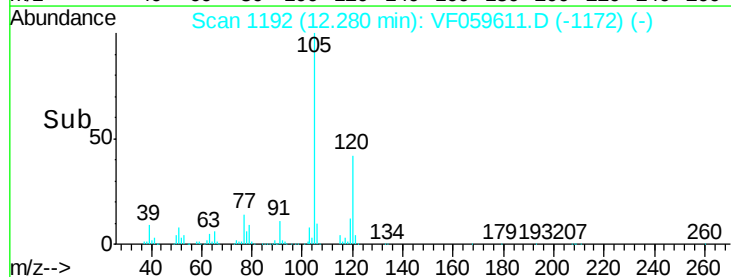
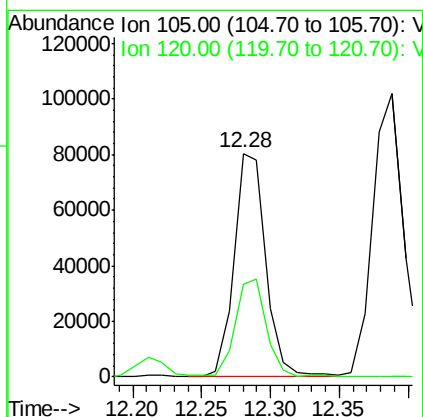
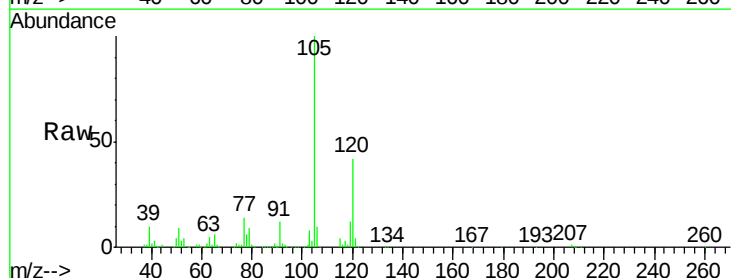
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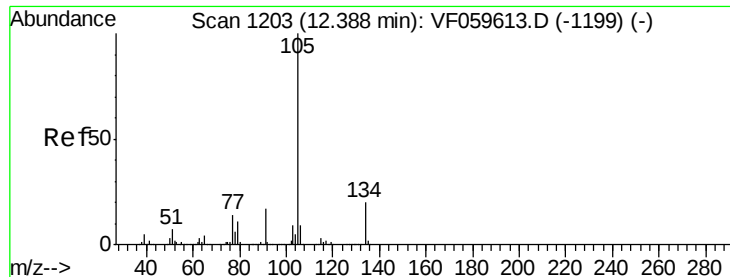
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#84
 1,2,4-Trimethylbenzene
 Concen: 13.80 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	128916		
120	41.5		20.4	61.3





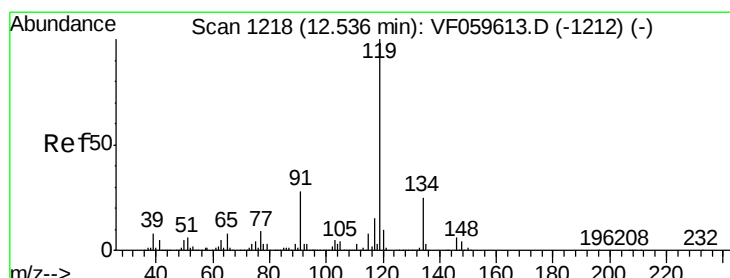
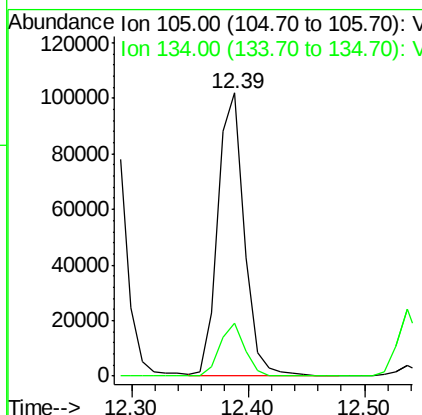
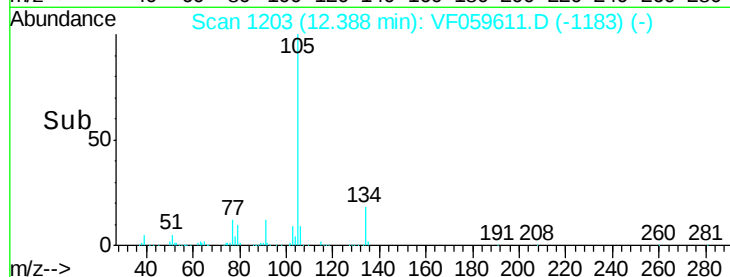
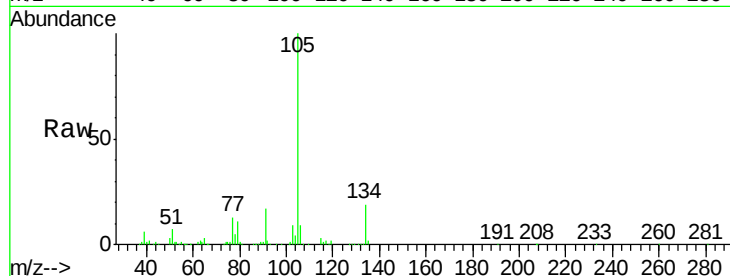
#85
 sec-Butylbenzene
 Concen: 14.30 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	160656		
134	18.6	9.9	29.7	

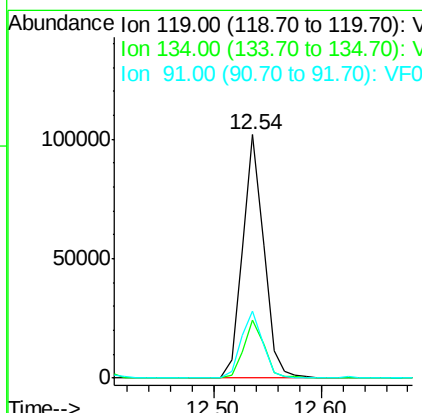
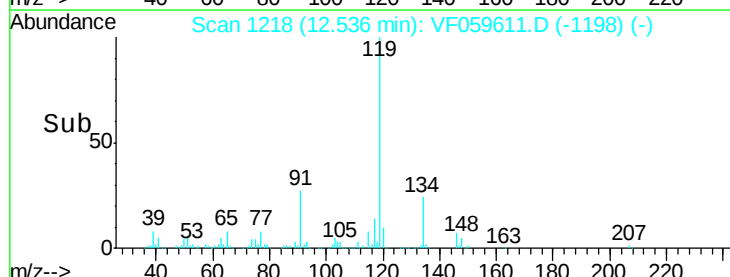
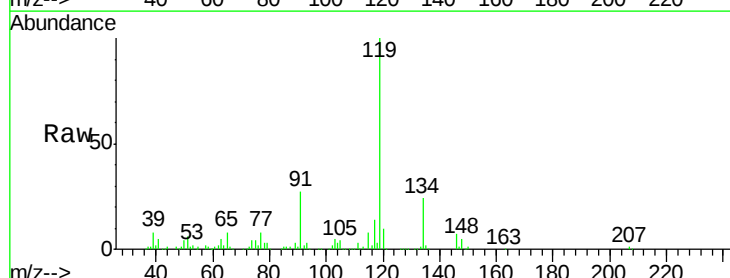
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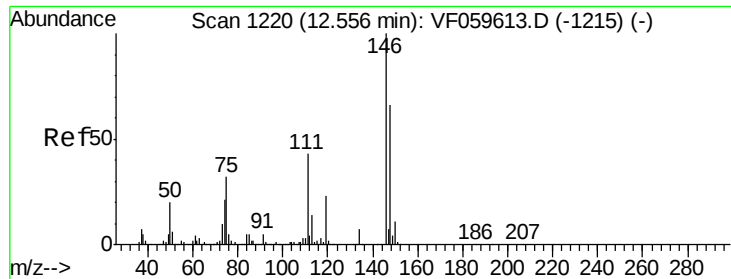
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#86
 p-Isopropyltoluene
 Concen: 14.24 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	139441		
134	23.6	12.4	37.2	
91	27.4	13.9	41.7	





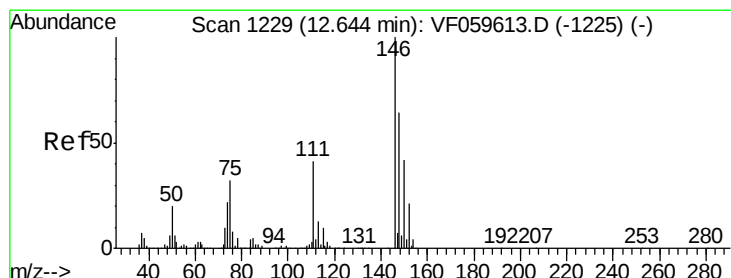
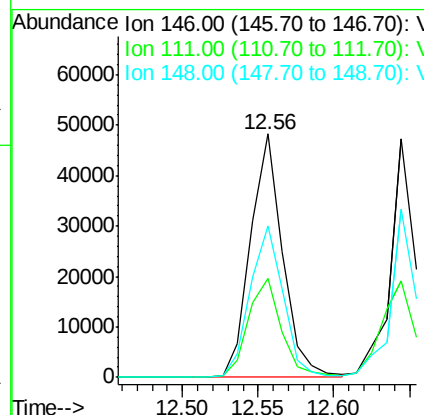
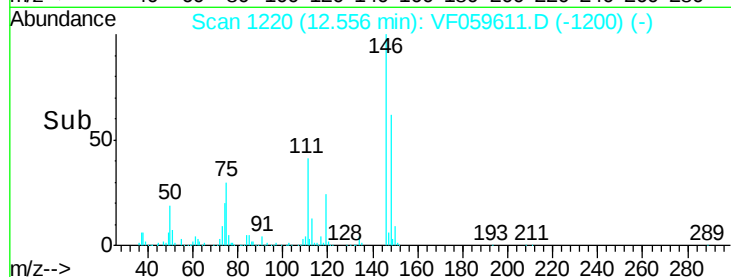
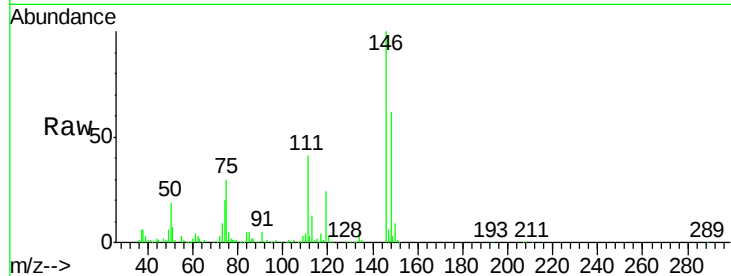
#87
 1,3-Dichlorobenzene
 Concen: 14.00 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	64.8
148	62.1	33.1	99.3

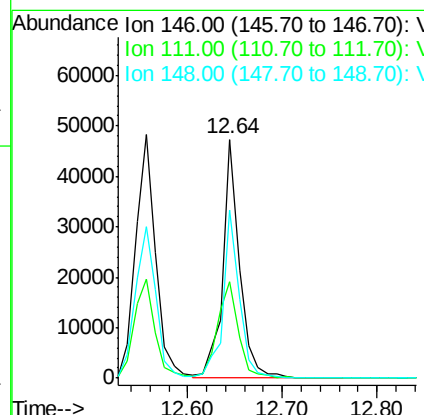
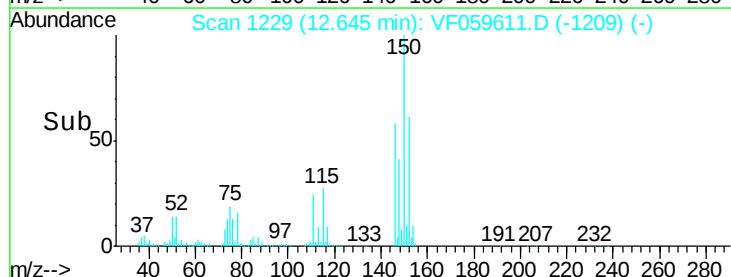
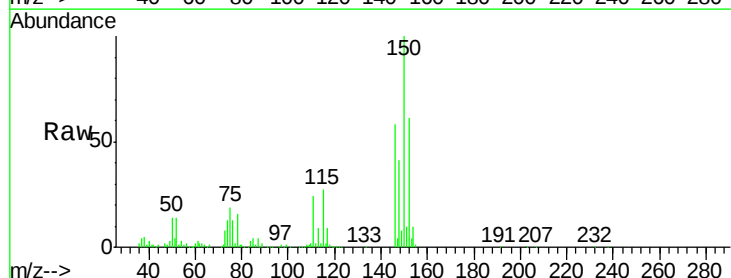
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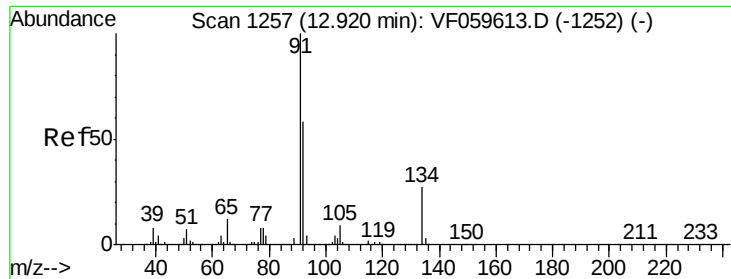
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#88
 1,4-Dichlorobenzene
 Concen: 11.49 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.5
148	70.1	32.3	96.8





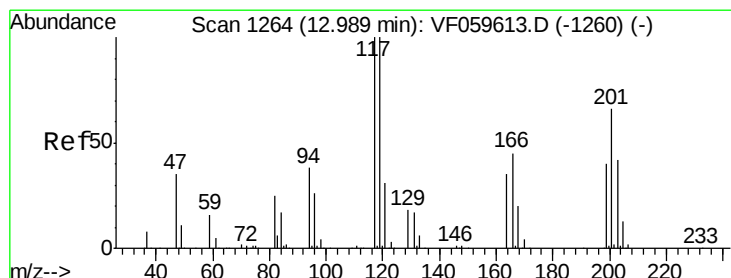
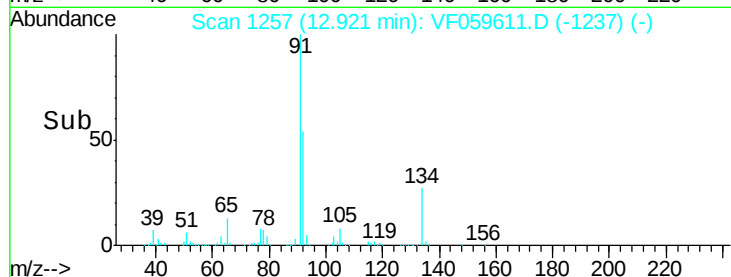
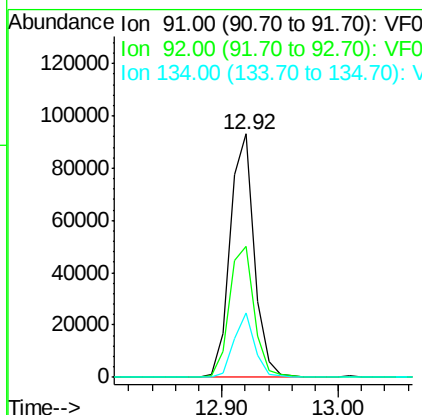
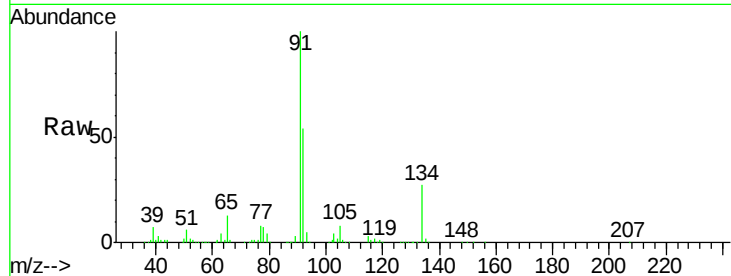
#89
n-Butylbenzene
Concen: 14.53 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	28.8	86.4
134	26.7	13.5	40.4

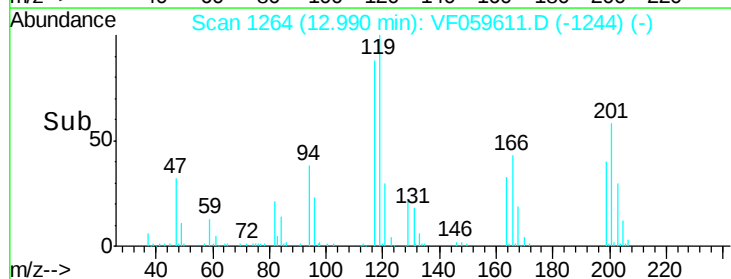
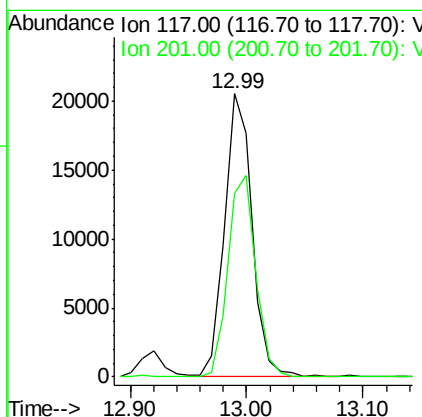
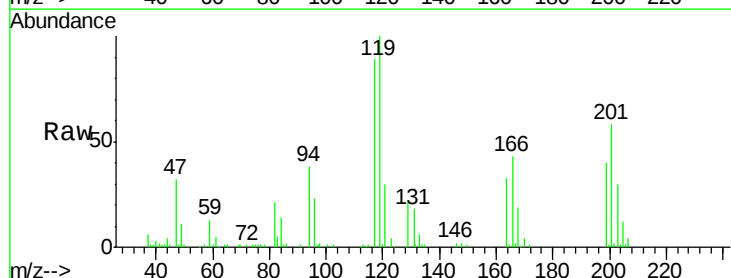
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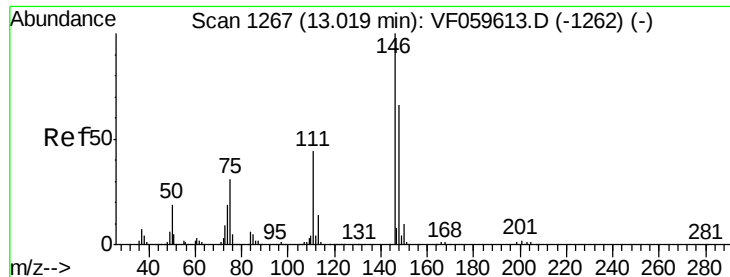
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#90
Hexachloroethane
Concen: 14.20 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.6	33.6	100.6





#91

1,2-Dichlorobenzene

Concen: 13.12 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

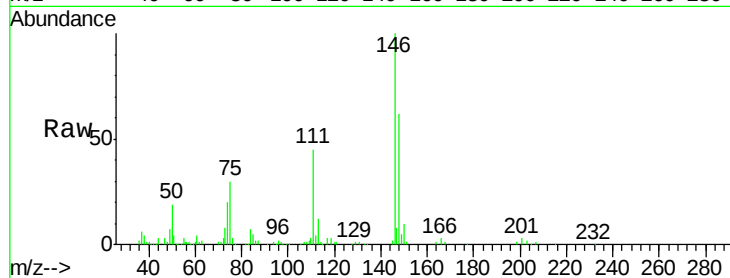
ClientSampleId :

VSTDIC010

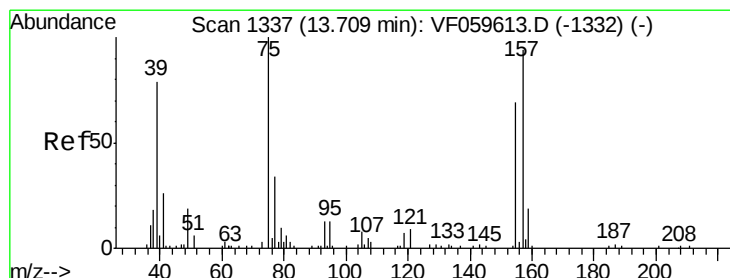
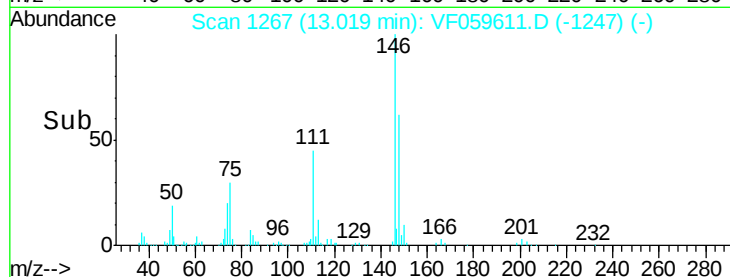
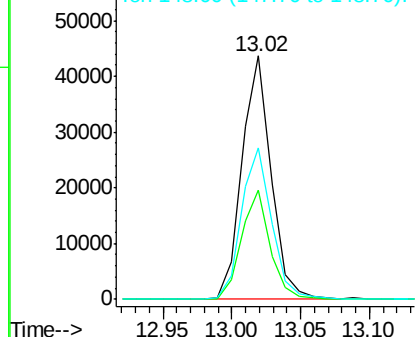
Tot Ion:	146	Resp:	64262
Ion Ratio	Lower	Upper	
146	100		
111	44.7	21.8	65.3
148	62.3	32.9	98.7

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.78 ug/l

RT: 13.71 min Scan# 1337

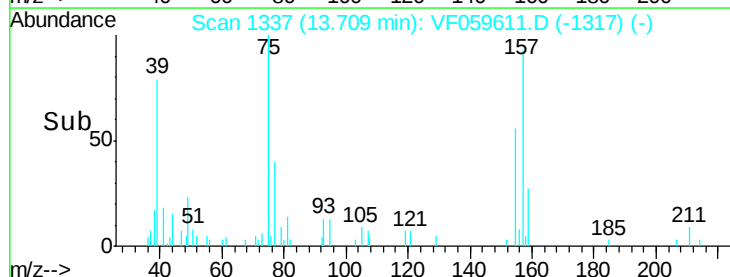
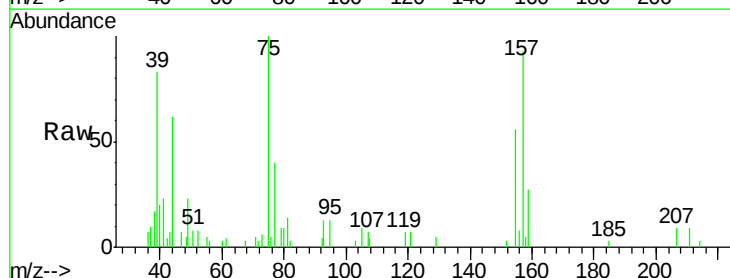
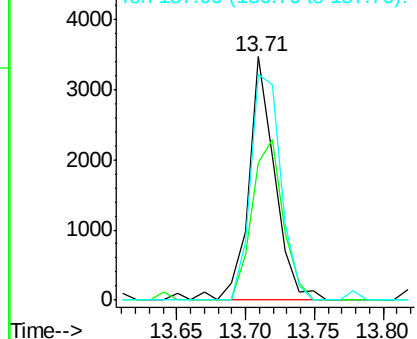
Delta R.T. 0.00 min

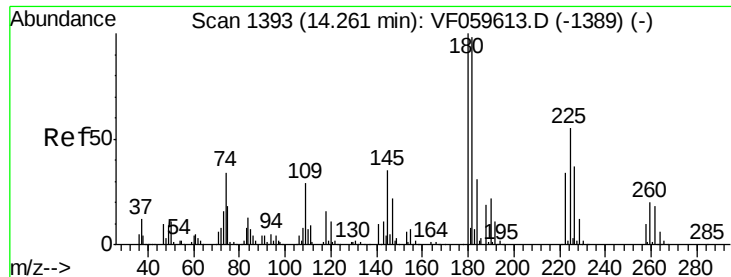
Lab File: VF059611.D

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Tgt Ion:	75	Resp:	4615
Ion Ratio	Lower	Upper	
75	100		
155	64.6	34.6	103.8
157	92.8	47.0	141.0

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





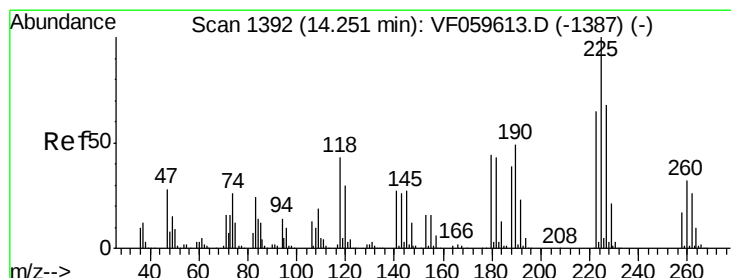
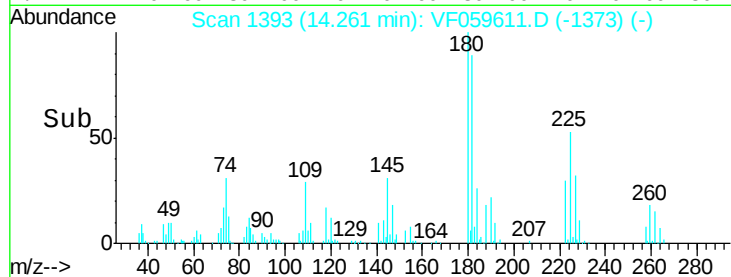
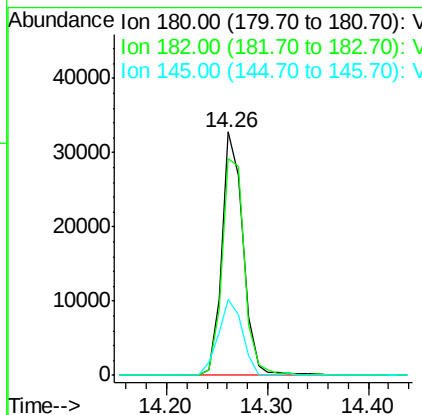
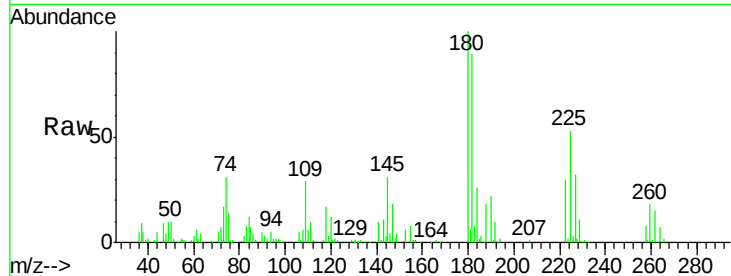
#93
 1,2,4-Trichlorobenzene
 Concen: 14.72 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47986		
182	89.1	48.8	146.3	
145	31.0	17.5	52.6	

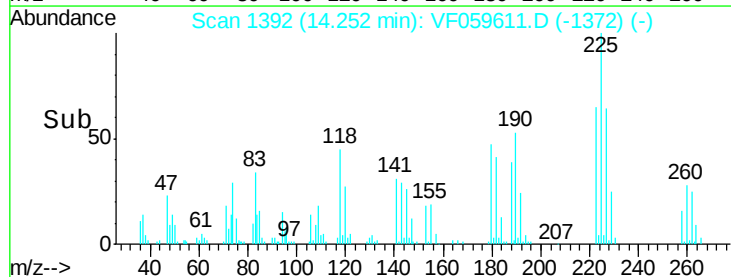
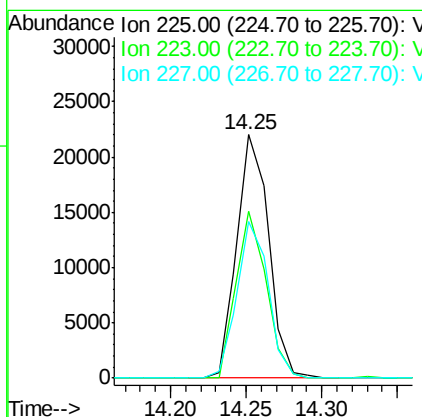
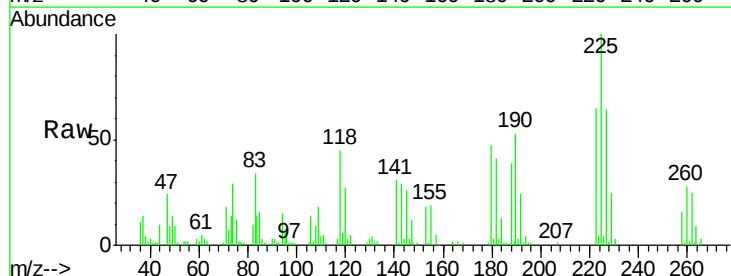
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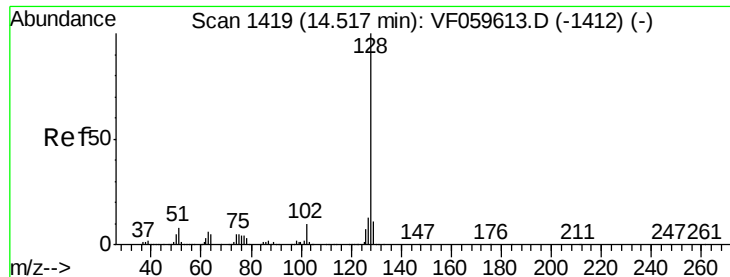
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#94
 Hexachlorobutadiene
 Concen: 16.99 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32282		
223	68.8	32.6	98.0	
227	64.4	33.9	101.6	





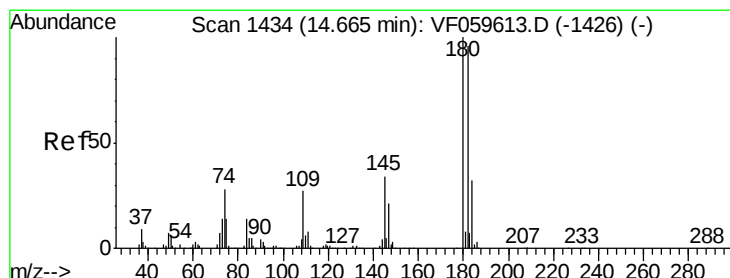
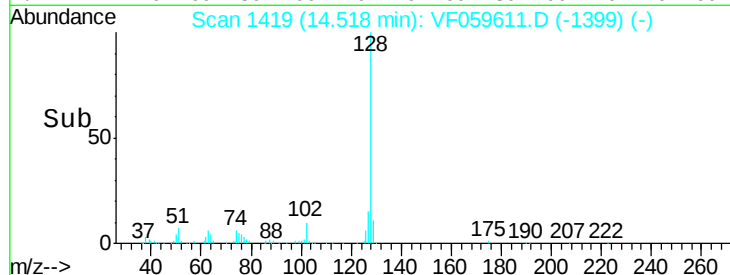
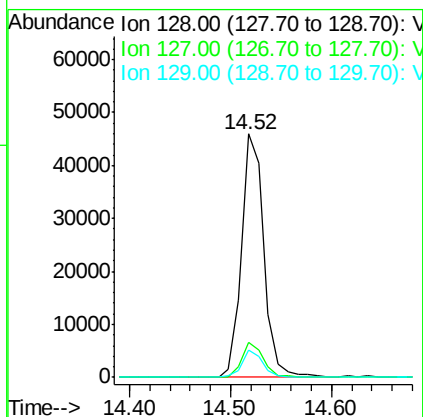
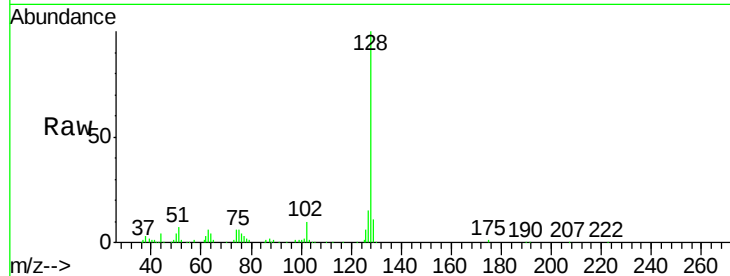
#95
Naphthalene
Concen: 11.39 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.2
129	11.4	9.1	13.7

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#96
1,2,3-Trichlorobenzene
Concen: 13.85 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.0	144.2
145	33.1	17.1	51.2

