

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059752.D
 Acq On : 1 Aug 2018 13:48
 Operator : VA/AP
 Sample : VF0801SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Manual Integrations
 APPROVED

apatel
 8/2/2018 10:25:56 AM

Quant Time: Aug 02 05:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	168007	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	230215	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	226466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	154392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	163279	54.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	4.30	113	126803	53.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	7.71	98	269531	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.51	95	157050	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	65062	32.47	ug/l	92
3) Chloromethane	1.08	50	28044	26.42	ug/l	96
4) Vinyl Chloride	1.15	62	26899	23.91	ug/l #	79
5) Bromomethane	1.34	94	25692	28.21	ug/l	91
6) Chloroethane	1.42	64	19431	28.83	ug/l #	82
7) Trichlorofluoromethane	1.54	101	78212m	24.93	ug/l	
8) Diethyl Ether	1.70	74	14286	26.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	42853	26.08	ug/l	97
10) Methyl Iodide	1.96	142	62603	25.17	ug/l	95
11) Tert butyl alcohol	2.69	59	12742	103.81	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	34434	26.47	ug/l	96
13) Acrolein	2.19	56	420	22.23	ug/l	92
14) Allyl chloride	2.19	41	43568	20.97	ug/l	99
15) Acrylonitrile	3.07	53	21741	111.47	ug/l	91
16) Acetone	2.33	43	57860	106.54	ug/l	96
17) Carbon Disulfide	1.89	76	80029	27.60	ug/l	96
18) Methyl Acetate	2.45	43	26794	29.78	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	90575	22.83	ug/l	100
20) Methylene Chloride	2.28	84	32541m	23.75	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	28756	23.92	ug/l	92
22) Diisopropyl ether	2.93	45	97343	22.16	ug/l	97
23) Vinyl Acetate	3.33	43	235011	104.06	ug/l	98
24) 1,1-Dichloroethane	3.00	63	74273	24.34	ug/l	97
25) 2-Butanone	4.52	43	56254	92.81	ug/l #	84
26) 2,2-Dichloropropane	3.75	77	50302	23.12	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	35322	21.61	ug/l	96
28) Bromochloromethane	3.89	49	25716	21.59	ug/l	90
29) Tetrahydrofuran	4.27	42	24157	103.70	ug/l	94
30) Chloroform	4.03	83	104505	24.26	ug/l	99
31) Cyclohexane	3.85	56	36797	22.62	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	78970	23.64	ug/l	98
36) 1,1-Dichloropropene	4.45	75	59091	23.24	ug/l	97
37) Ethyl Acetate	4.29	43	28054	21.80	ug/l #	41
38) Carbon Tetrachloride	4.17	117	100469	27.45	ug/l #	84

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	43572	22.10	ug/l #	92
40) Benzene	4.81	78	102237	21.99	ug/l	97
41) Methacrylonitrile	4.93	41	12079	19.11	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	77011	23.67	ug/l	96
43) Isopropyl Acetate	7.12	43	27081	19.67	ug/l #	87
44) Trichloroethene	5.67	130	42919	24.88	ug/l	87
45) 1,2-Dichloropropane	6.41	63	27065	22.04	ug/l	94
46) Dibromomethane	6.25	93	25121	21.55	ug/l	95
47) Bromodichloromethane	6.54	83	77556	24.43	ug/l #	95
48) Methyl methacrylate	6.87	41	20615	19.91	ug/l	92
49) 1,4-Dioxane	6.88	88	2530	347.06	ug/l #	57
51) 4-Methyl-2-Pentanone	8.41	43	107744	102.89	ug/l	94
52) Toluene	7.78	92	75497	22.97	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	60689	22.03	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	61780	23.16	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	25920	20.59	ug/l	94
56) Ethyl methacrylate	8.76	69	24754	18.85	ug/l	95
57) 1,3-Dichloropropane	9.00	76	45577	21.10	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	19366	127.74	ug/l	100
59) 2-Hexanone	9.63	43	83828	99.90	ug/l	92
60) Dibromochloromethane	8.86	129	52676	23.71	ug/l	93
61) 1,2-Dibromoethane	9.14	107	32468	22.08	ug/l	94
64) Tetrachloroethene	8.31	164	43818	26.59	ug/l	98
65) Chlorobenzene	9.94	112	109386	24.15	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	48832	23.09	ug/l	95
67) Ethyl Benzene	10.04	91	187193	23.88	ug/l	98
68) m/p-Xylenes	10.27	106	132569	50.21	ug/l	98
69) o-Xylene	10.83	106	70528	24.42	ug/l	98
70) Styrene	10.90	104	106538	24.35	ug/l	93
71) Bromoform	10.89	173	32660	23.70	ug/l	98
73) Isopropylbenzene	11.23	105	224259	22.14	ug/l	95
74) N-amyl acetate	11.46	43	47461	18.57	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	40712	21.35	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	32670m	20.15	ug/l	
77) Bromobenzene	11.60	156	76097	28.77	ug/l	68
78) n-propylbenzene	11.69	91	272045	23.55	ug/l	99
79) 2-Chlorotoluene	11.82	91	174184	24.41	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	215617	24.34	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	13569m	20.21	ug/l	
82) 4-Chlorotoluene	11.98	91	177840	23.34	ug/l	96
83) tert-Butylbenzene	12.21	119	212800	23.40	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	215688	24.11	ug/l	100
85) sec-Butylbenzene	12.39	105	280725	24.37	ug/l	98
86) p-Isopropyltoluene	12.54	119	236882	23.27	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	115817	23.74	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	109763	22.88	ug/l	98
89) n-Butylbenzene	12.92	91	232976	24.25	ug/l	96
90) Hexachloroethane	13.00	117	60614	23.72	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	109176	23.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9490	20.36	ug/l	81

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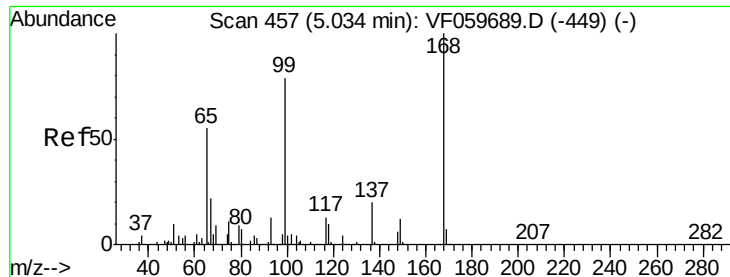
Manual Integrations
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apatel
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	87073	23.34	ug/l	95
94) Hexachlorobutadiene	14.25	225	62196	24.56	ug/l	99
95) Naphthalene	14.53	128	131951	19.82	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	79854	21.70	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion:168 Resp: 168007

Ion Ratio Lower Upper

168 100

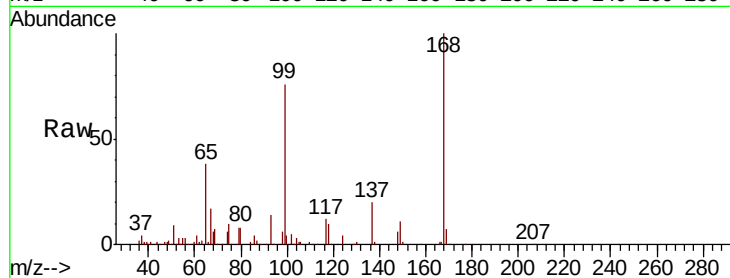
99 76.0 63.3 94.9

Manual Integrations

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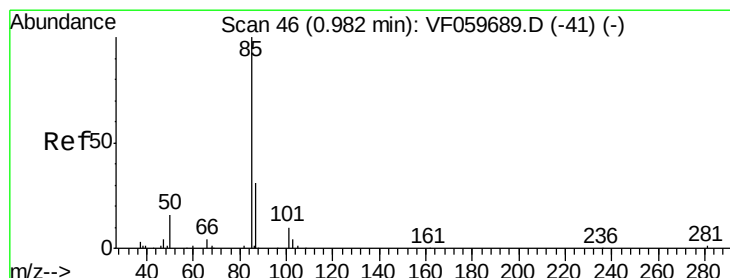
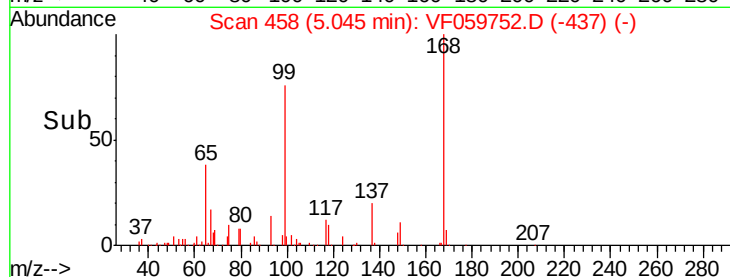
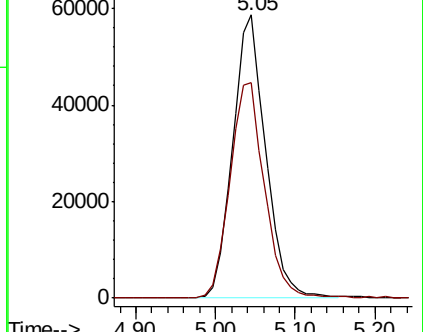
apatel

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 32.47 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059752.D

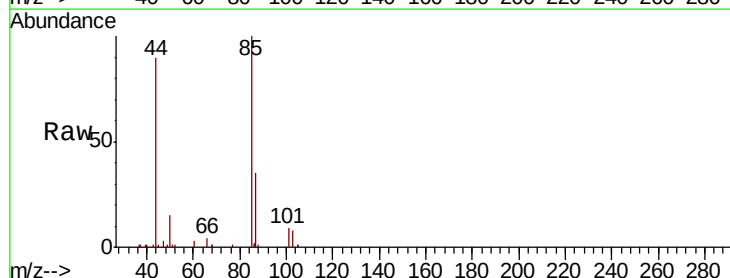
Acq: 1 Aug 2018 13:48

Tgt Ion: 85 Resp: 65062

Ion Ratio Lower Upper

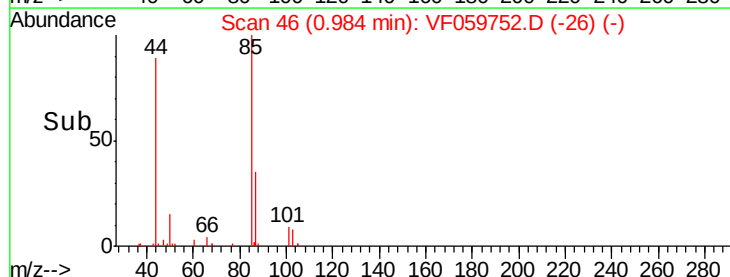
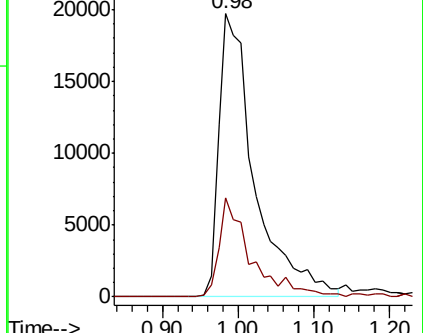
85 100

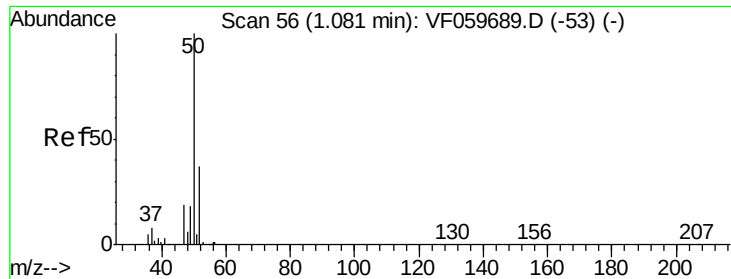
87 35.1 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 26.42 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 50 Resp: 28044

Ion Ratio Lower Upper

50 100

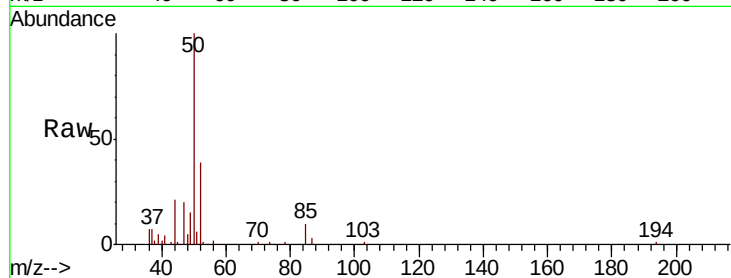
52 38.7 29.1 43.7

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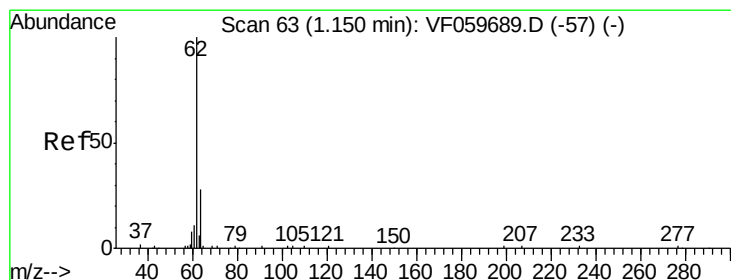
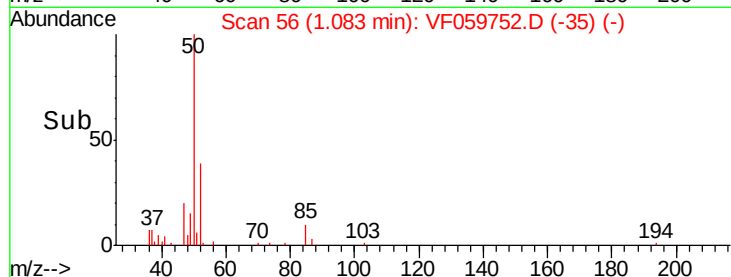
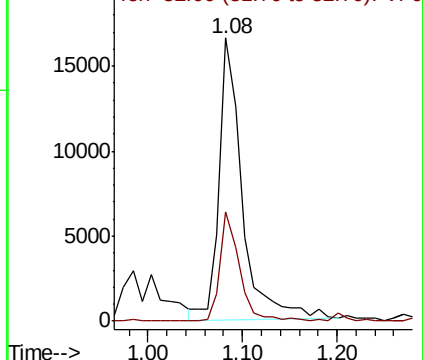
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.91 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059752.D

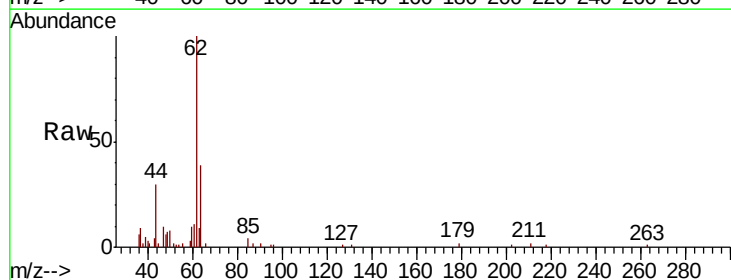
Acq: 1 Aug 2018 13:48

Tgt Ion: 62 Resp: 26899

Ion Ratio Lower Upper

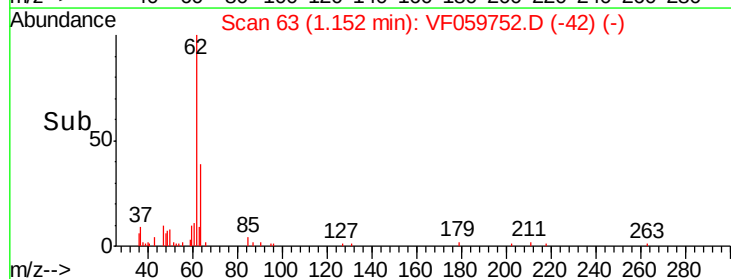
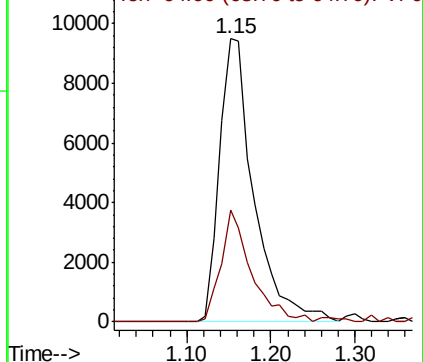
62 100

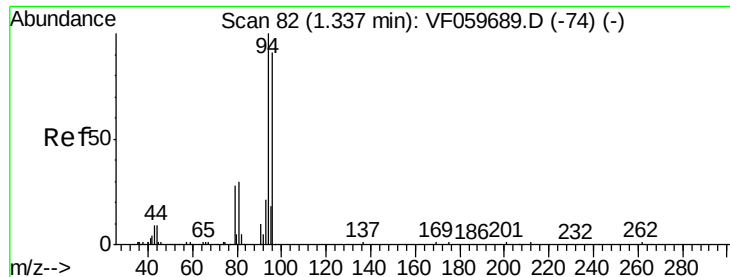
64 39.3 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 28.21 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 94 Resp: 25692

Ion Ratio Lower Upper

94 100

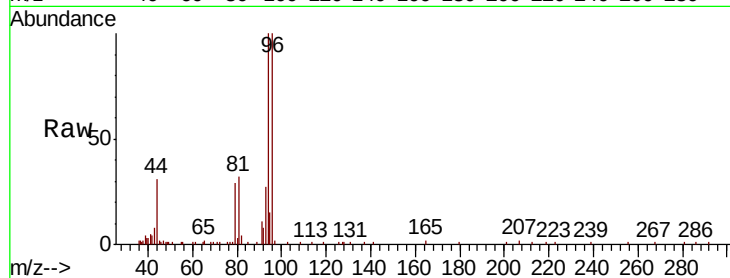
96 100.5 73.6 110.4

Manual Integrations

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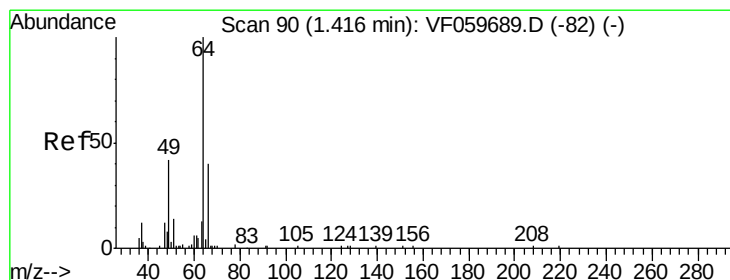
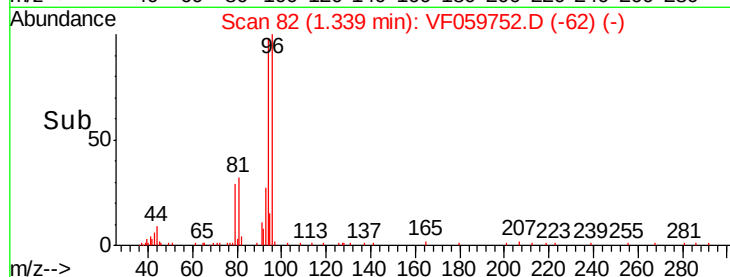
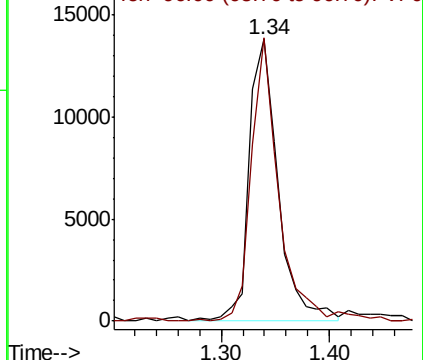
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 28.83 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059752.D

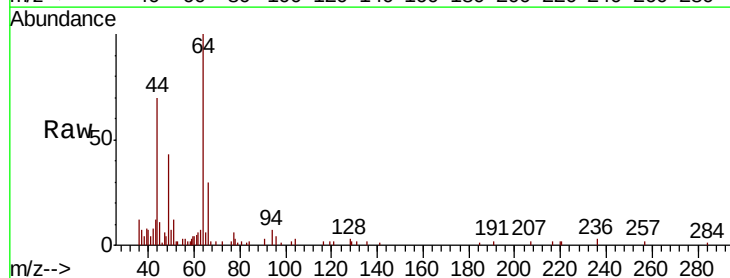
Acq: 1 Aug 2018 13:48

Tgt Ion: 64 Resp: 19431

Ion Ratio Lower Upper

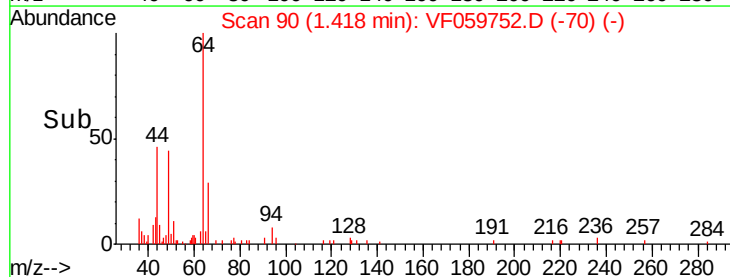
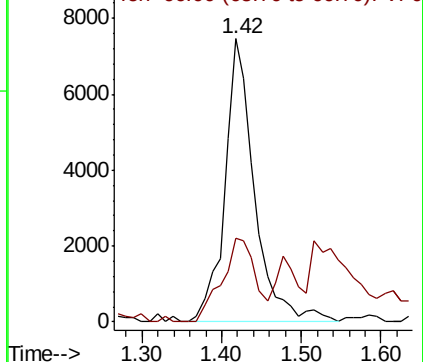
64 100

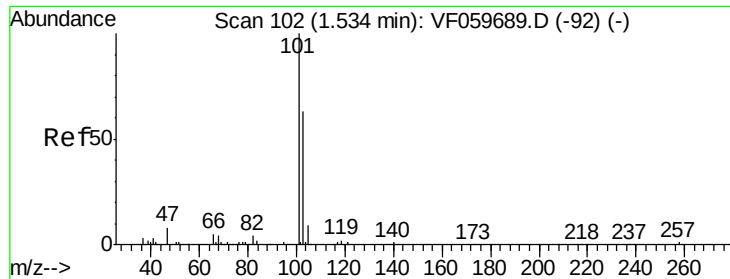
66 29.8 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

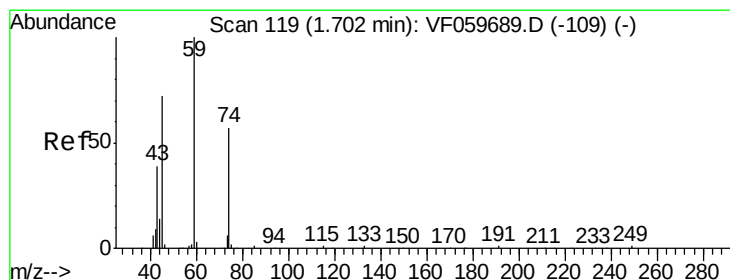
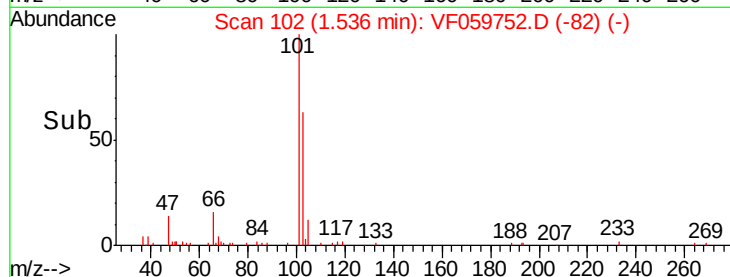
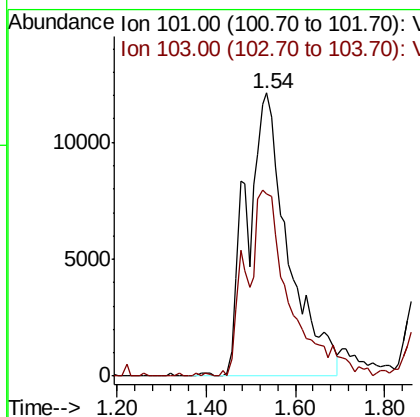
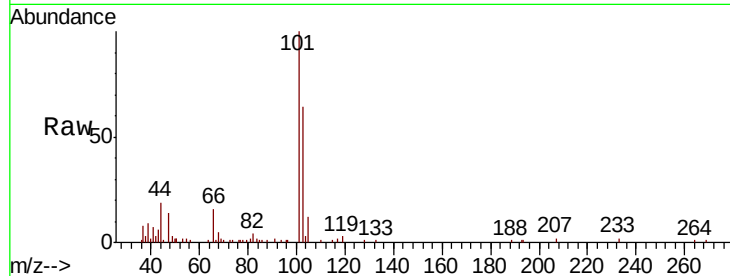
Trichlorofluoromethane
Concen: 24.93 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.8	76.2

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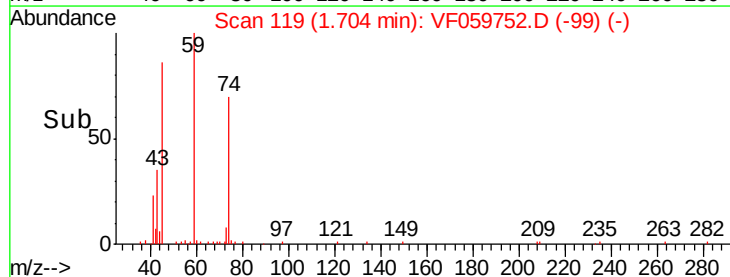
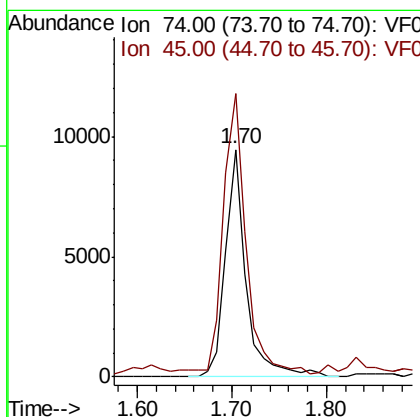
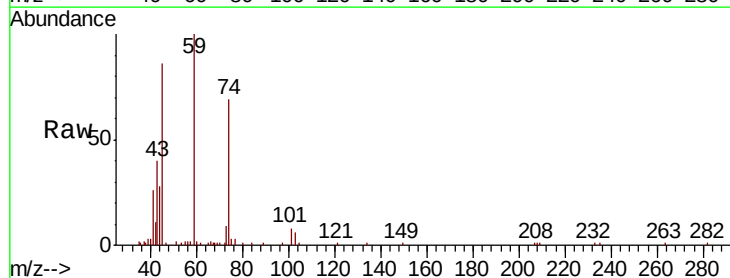
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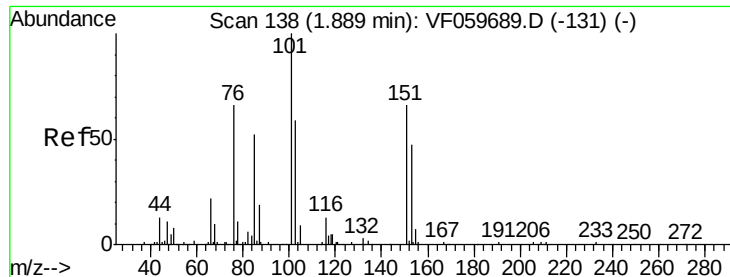


#8

Diethyl Ether
Concen: 26.63 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.5	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.08 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

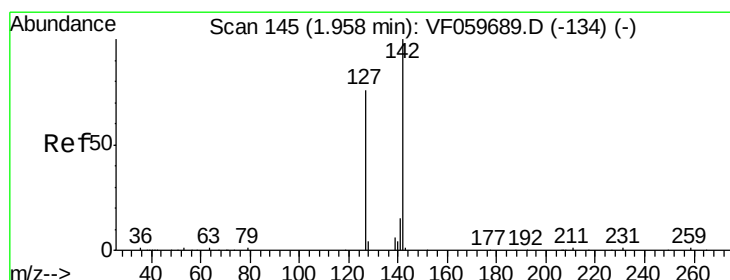
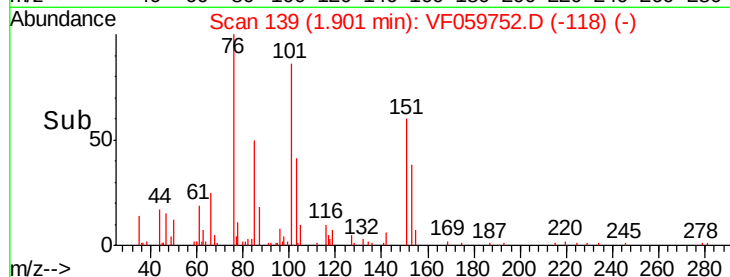
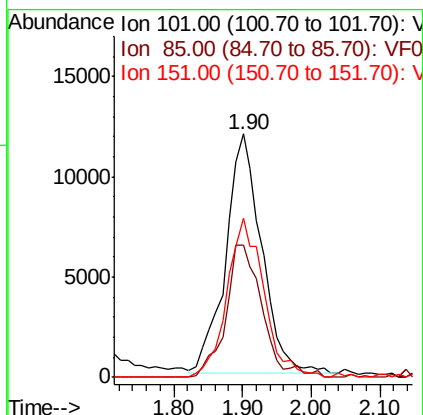
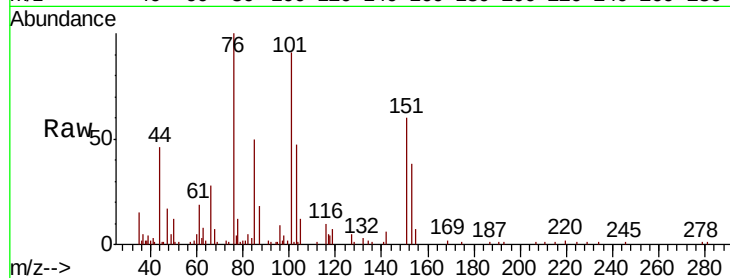
ClientSampleId :

VF0801SBSD01

Tot Ion:	101	Resp:	42853
Ion Ratio	Lower	Upper	
101	100		
85	54.3	40.7	61.1
151	65.3	51.4	77.2

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#10

Methyl Iodide

Concen: 25.17 ug/l

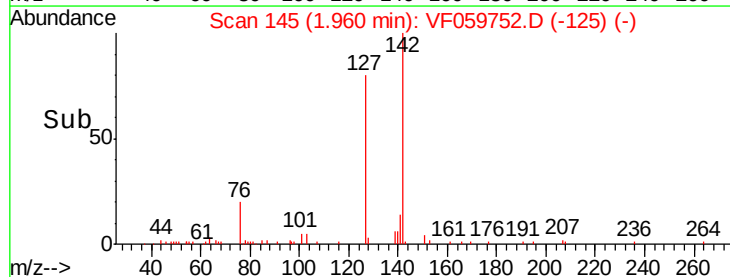
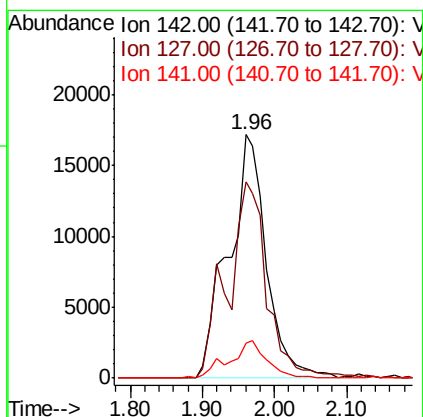
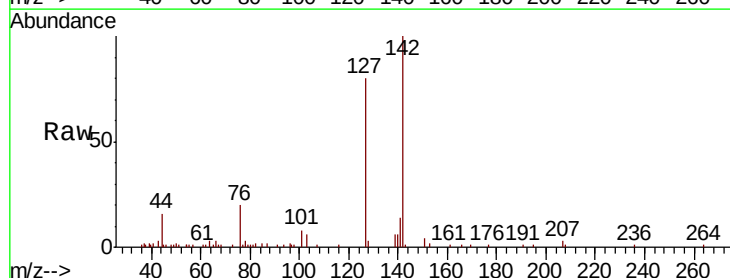
RT: 1.96 min Scan# 145

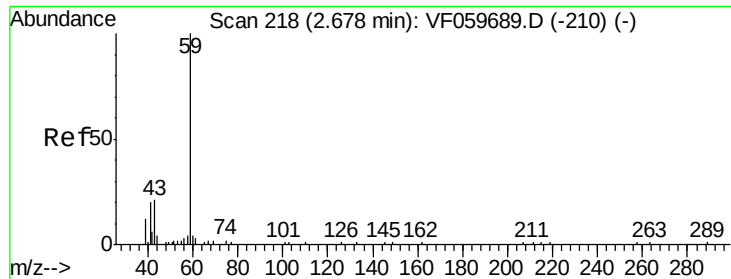
Delta R.T. 0.00 min

Lab File: VF059752.D

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Tgt Ion:	142	Resp:	62603
Ion Ratio	Lower	Upper	
142	100		
127	80.4	60.6	91.0
141	14.3	12.0	18.0





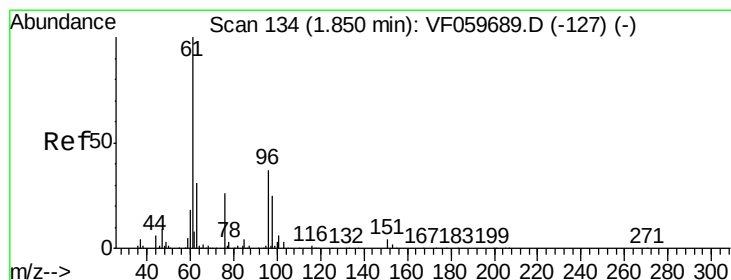
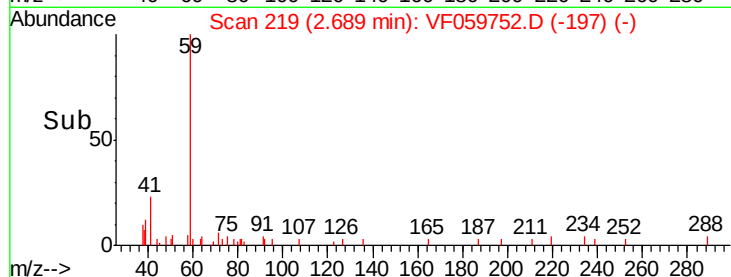
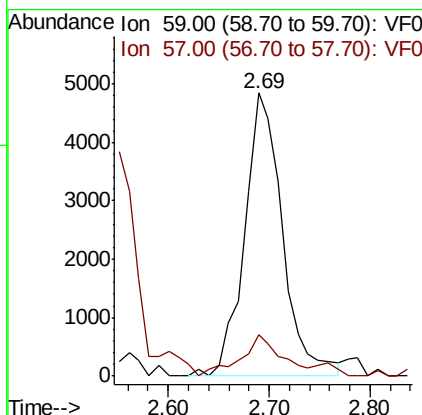
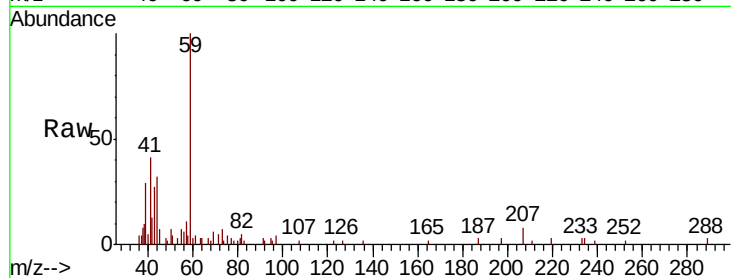
#11
Tert butyl alcohol
Concen: 103.81 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.5	7.6	11.4#

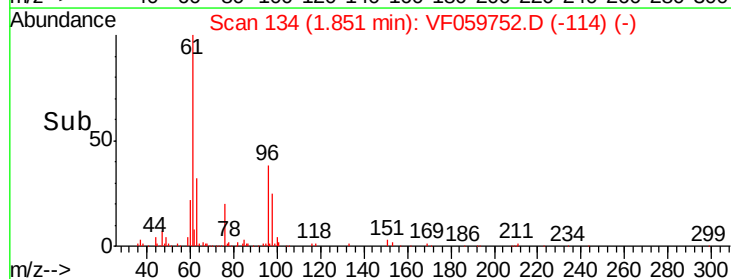
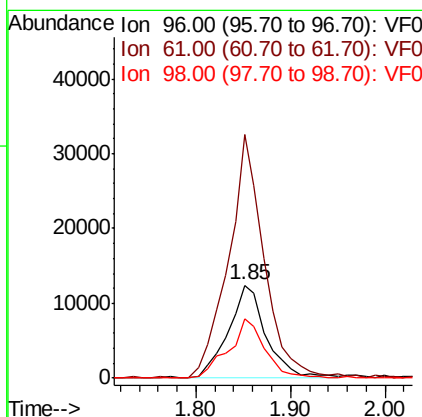
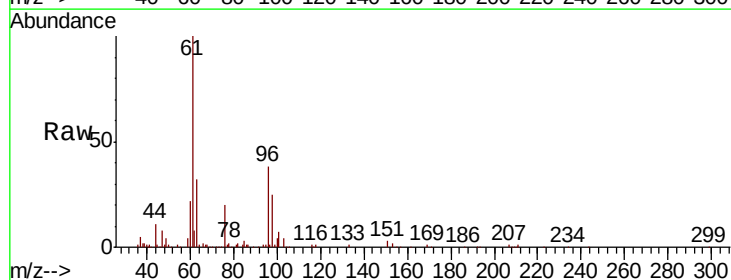
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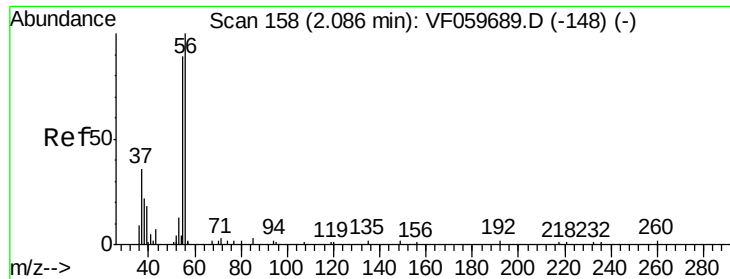
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#12
1,1-Dichloroethene
Concen: 26.47 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	261.8	215.1	322.7
98	64.2	54.3	81.5





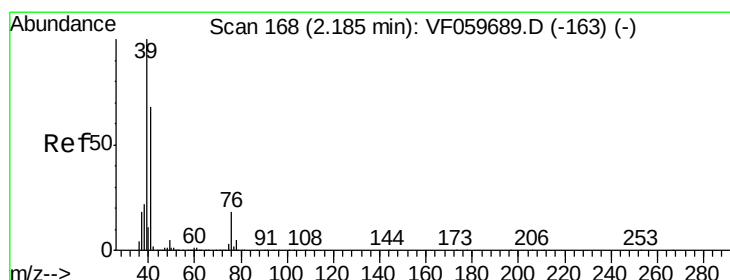
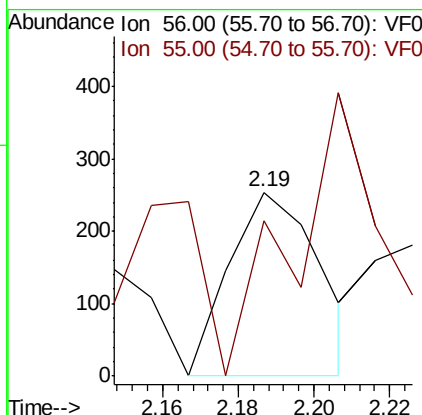
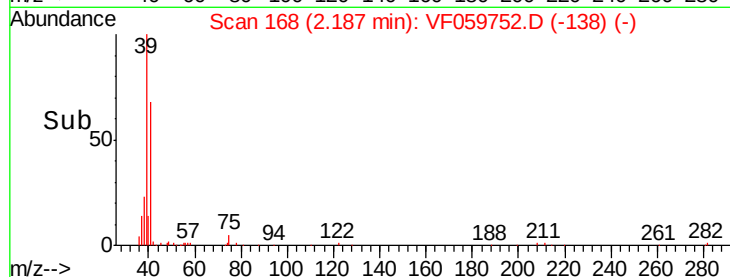
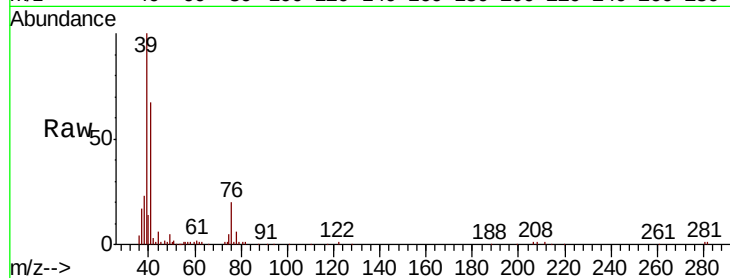
#13
Acrolein
Concen: 22.23 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.10 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 84.3 73.2 109.8

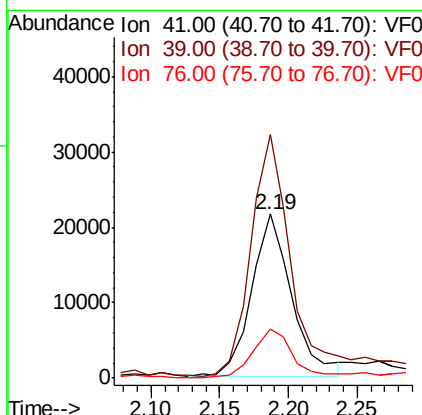
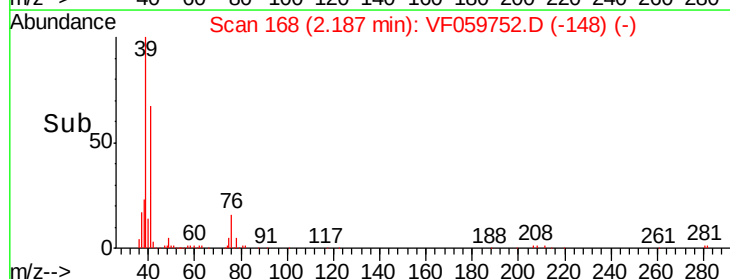
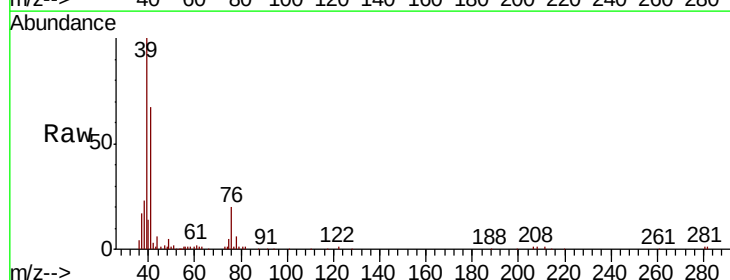
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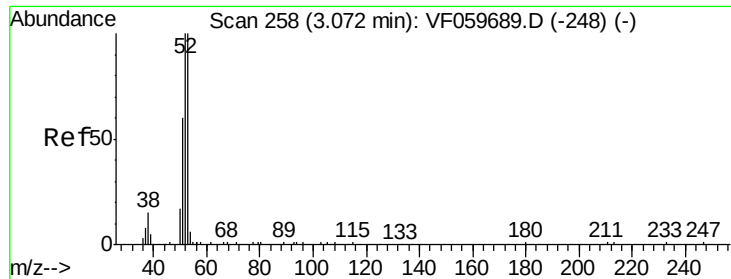
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#14
Allyl chloride
Concen: 20.97 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion: 41 Resp: 43568
Ion Ratio Lower Upper
41 100
39 148.3 118.1 177.1
76 29.9 22.0 33.0





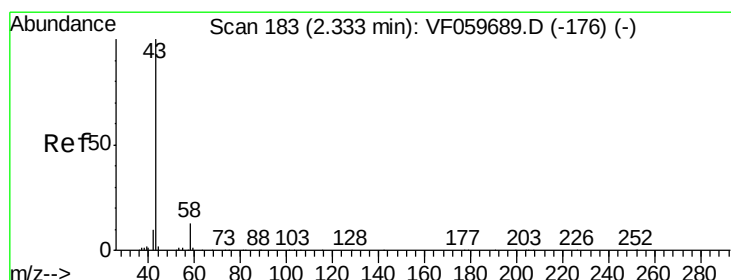
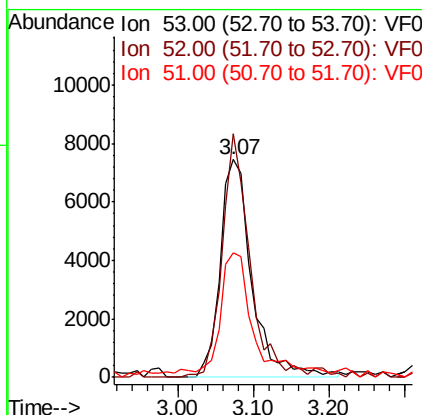
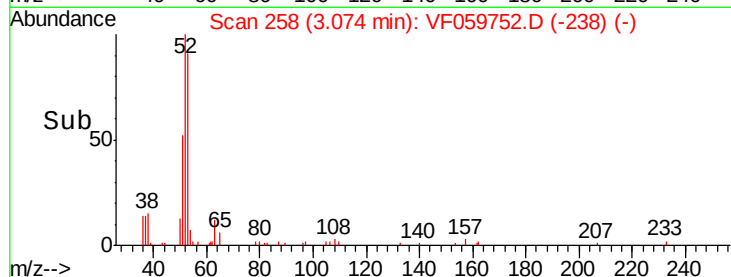
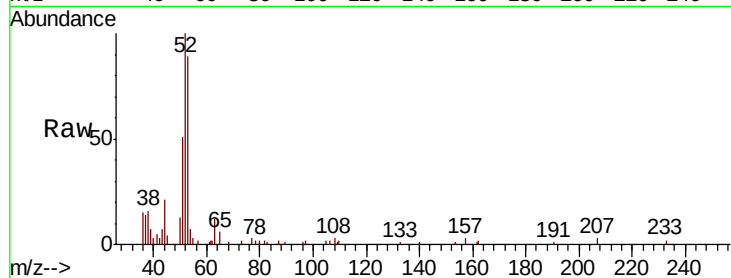
#15
 Acrylonitrile
 Concen: 111.47 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	112.0	80.3	120.5
51	57.4	49.4	74.0

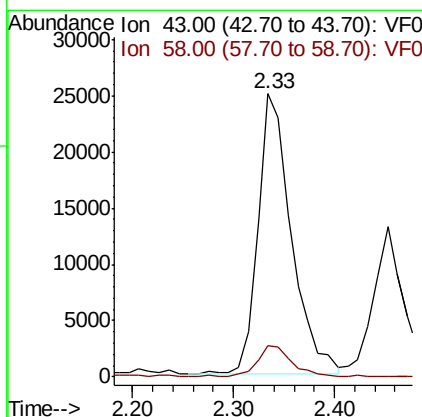
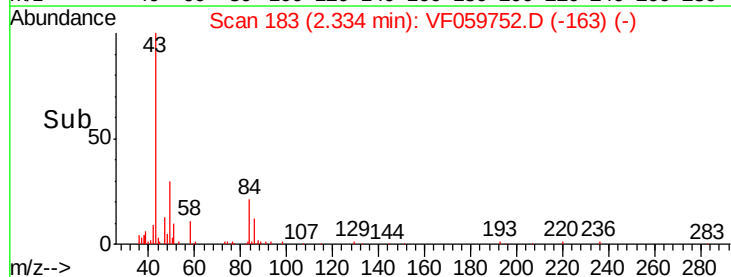
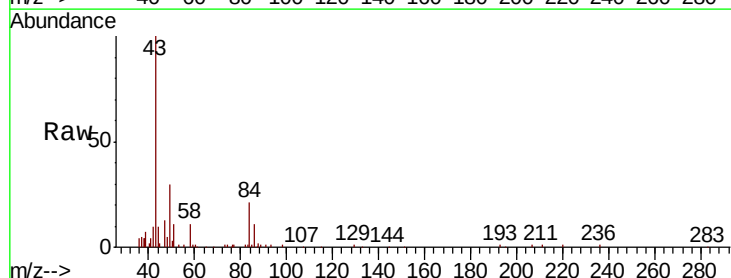
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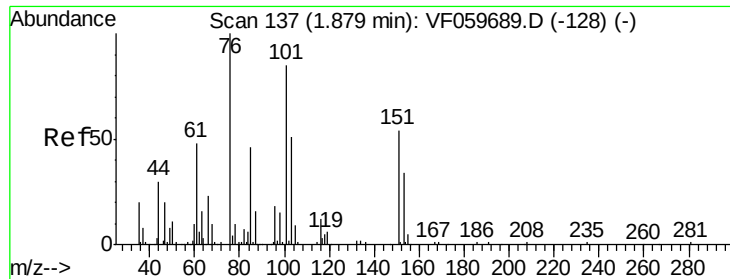
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#16
 Acetone
 Concen: 106.54 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	11.0	10.1	15.1





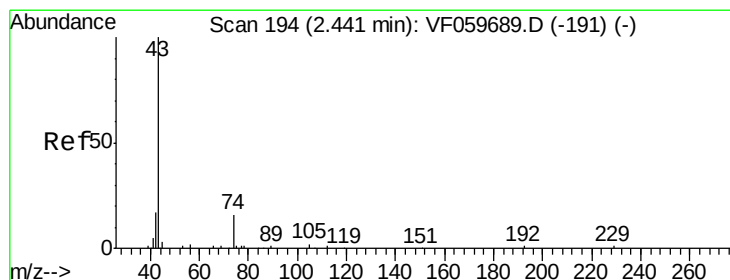
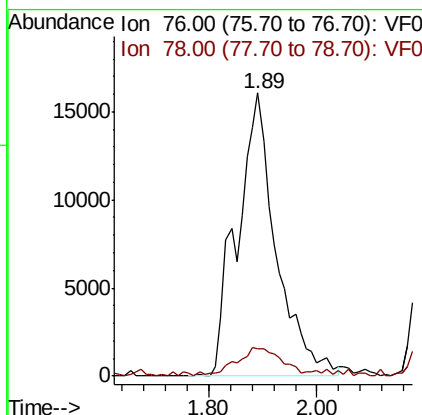
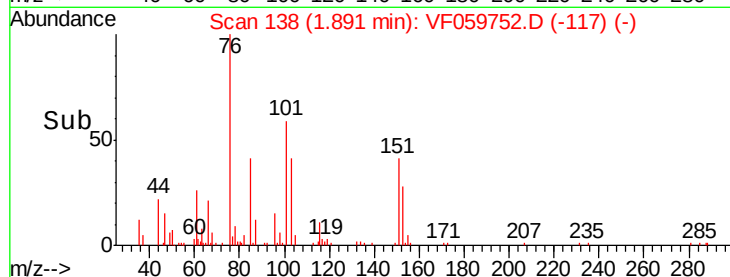
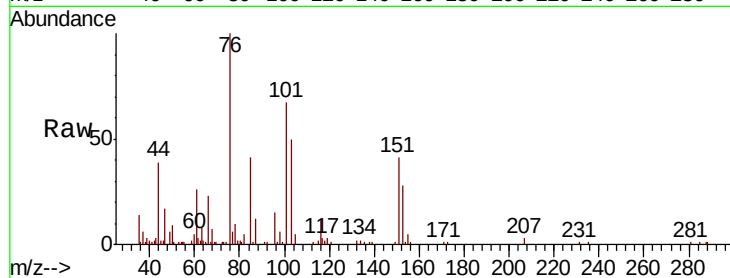
#17
Carbon Disulfide
Concen: 27.60 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion: 76 Resp: 80029
Ion Ratio Lower Upper
76 100
78 9.5 8.9 13.3

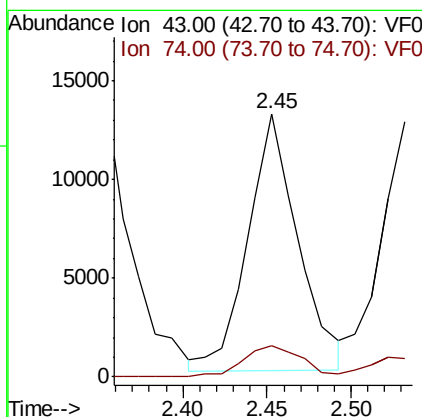
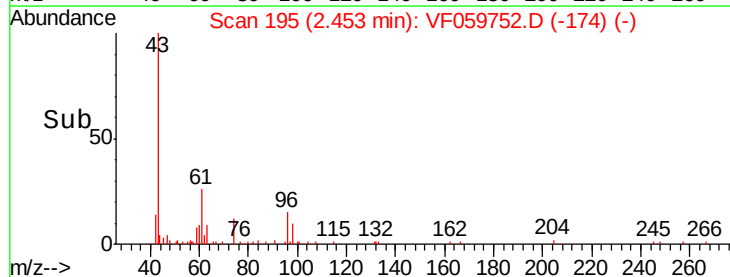
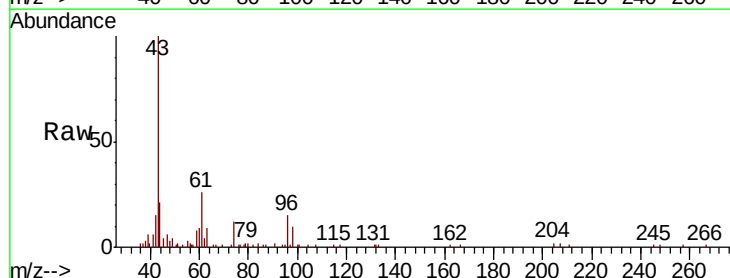
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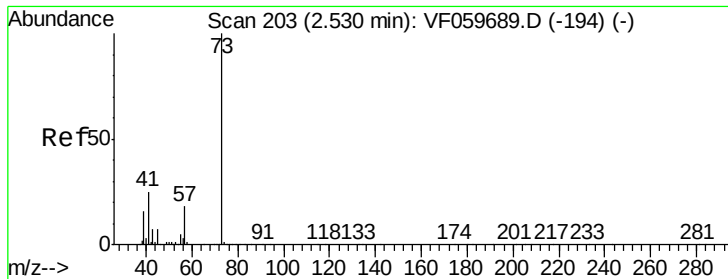
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#18
Methyl Acetate
Concen: 29.78 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion: 43 Resp: 26794
Ion Ratio Lower Upper
43 100
74 11.9 11.8 17.6





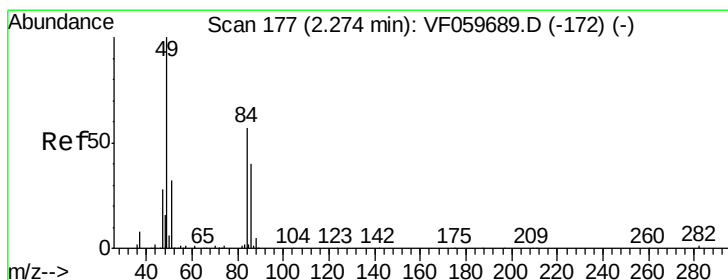
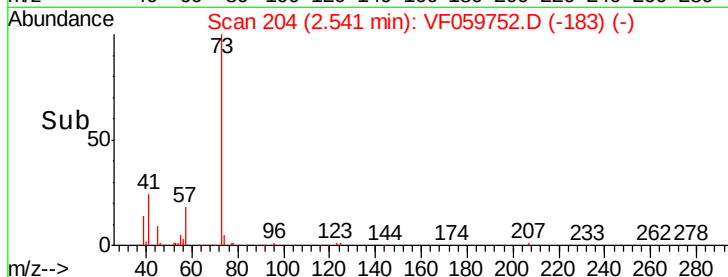
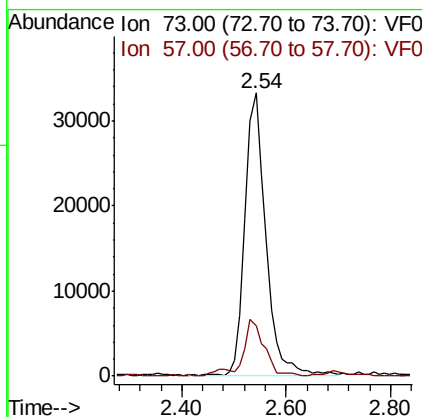
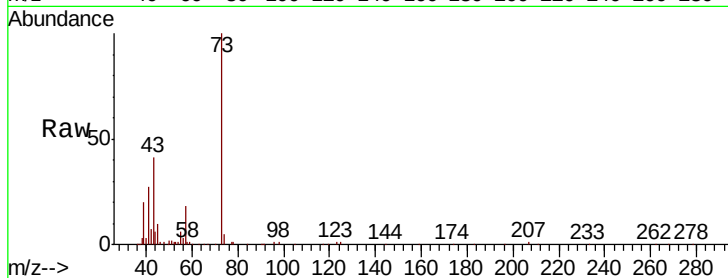
#19
Methyl tert-butyl Ether
Concen: 22.83 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.2	21.2

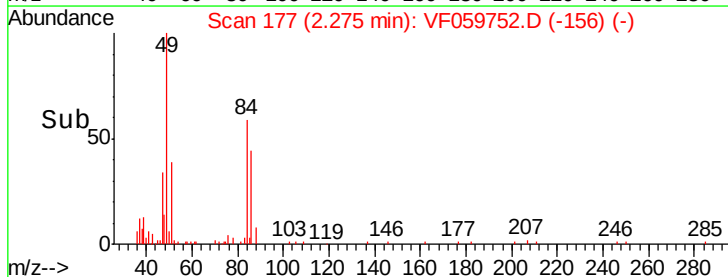
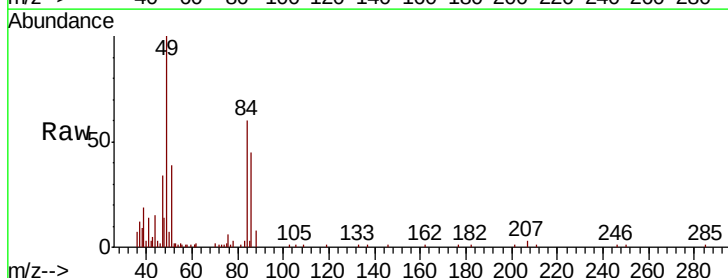
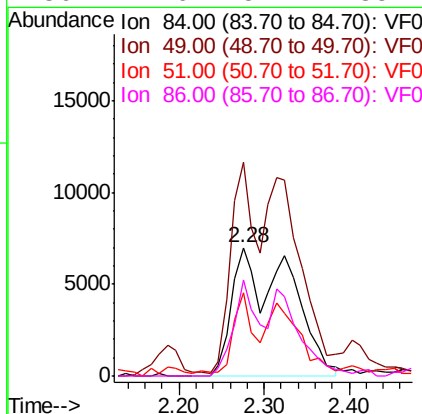
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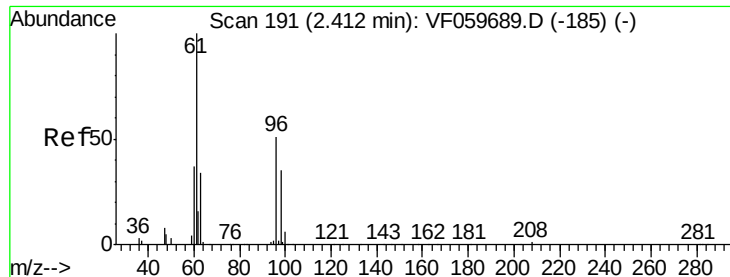
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#20
Methylene Chloride
Concen: 23.75 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.7	142.2	213.4
51	65.1	46.2	69.2
86	74.6	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 23.92 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

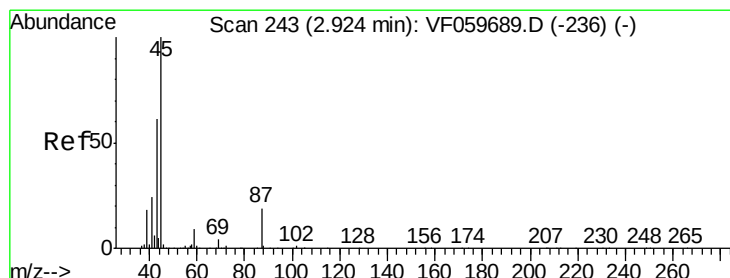
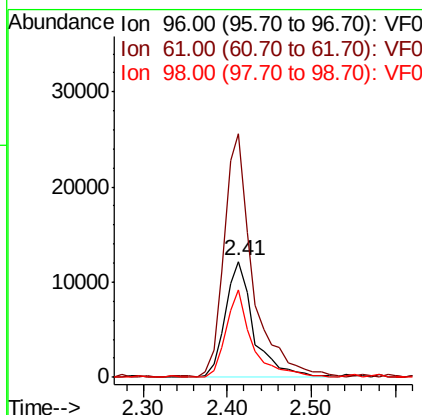
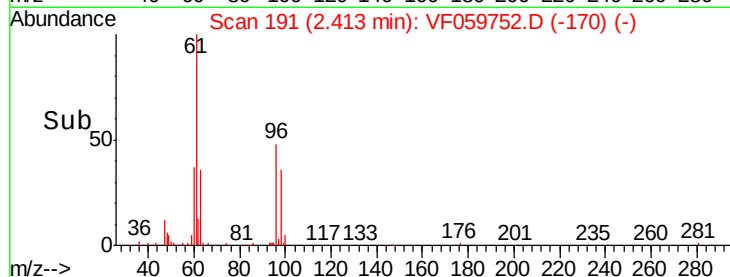
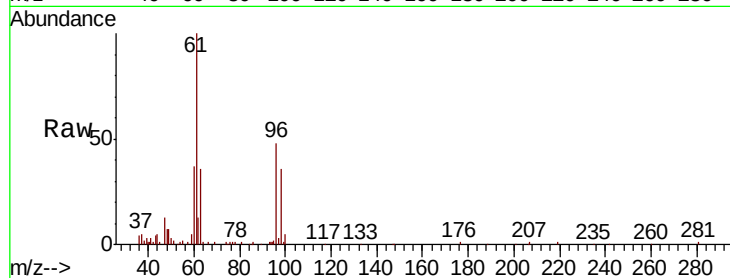
ClientSampleId :

VF0801SBSD01

Tot Ion:	96	Resp:	28756
Ion Ratio	Lower	Upper	
96	100		
61	209.7	157.4	236.0
98	75.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.16 ug/l

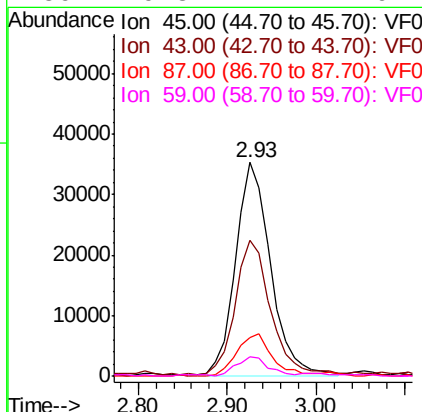
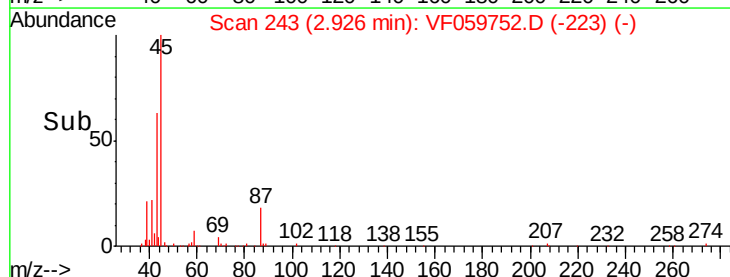
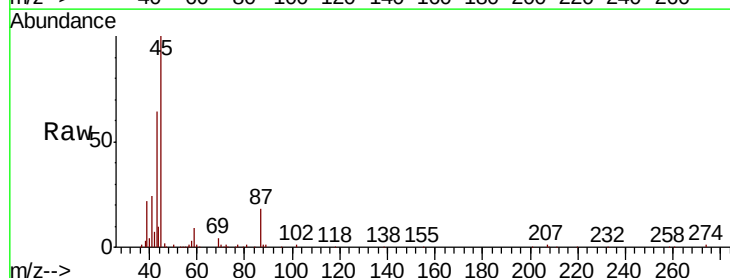
RT: 2.93 min Scan# 243

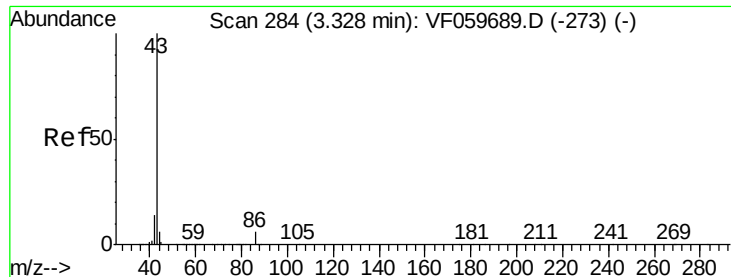
Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	45	Resp:	97343
Ion Ratio	Lower	Upper	
45	100		
43	63.6	49.3	73.9
87	17.8	15.3	22.9
59	9.3	7.1	10.7





#23

Vinyl Acetate

Concen: 104.06 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 43 Resp: 235011

Ion Ratio Lower Upper

43 100

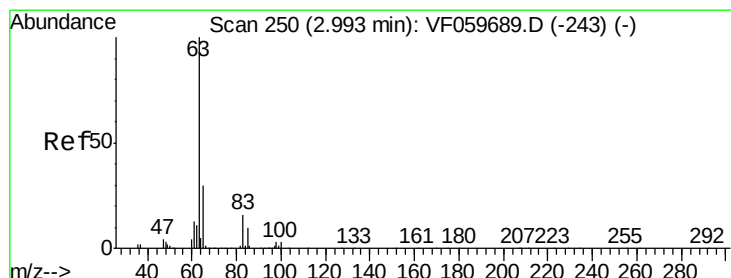
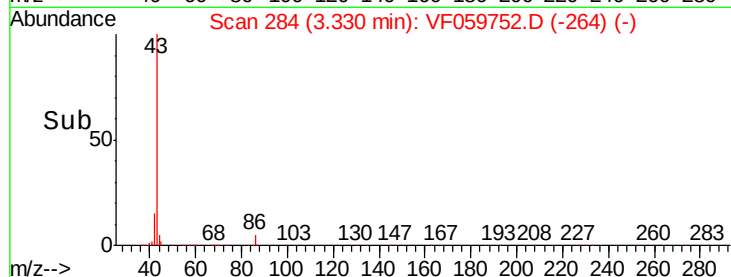
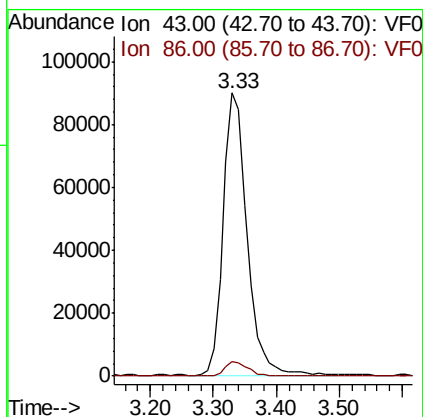
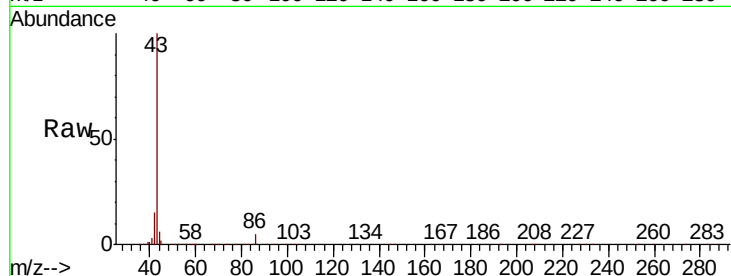
86 5.2 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 24.34 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

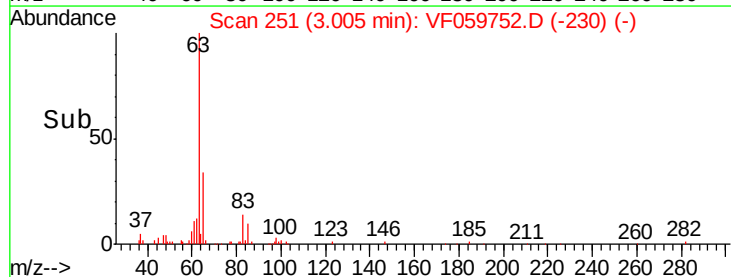
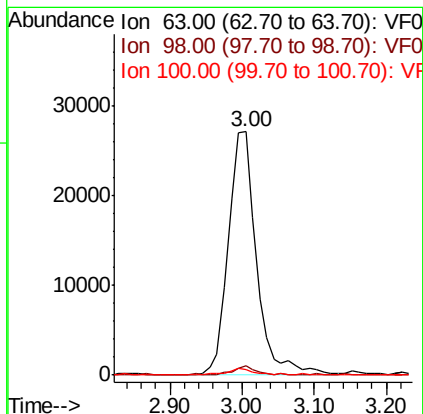
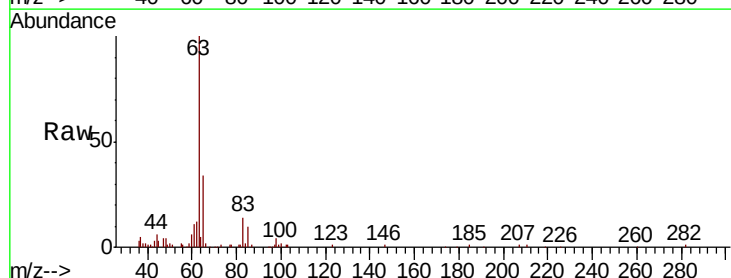
Tgt Ion: 63 Resp: 74273

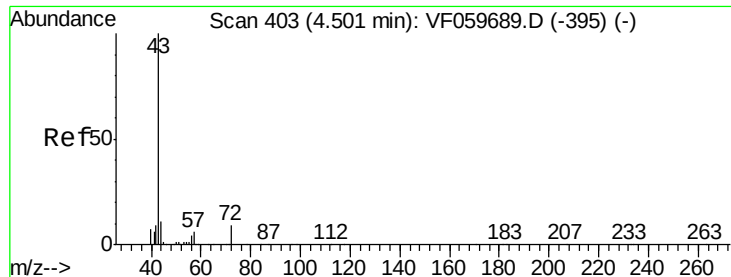
Ion Ratio Lower Upper

63 100

98 3.7 1.4 4.2

100 2.2 1.6 4.7





#25

2-Butanone

Concen: 92.81 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.02 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 43 Resp: 56254

Ion Ratio Lower Upper

43 100

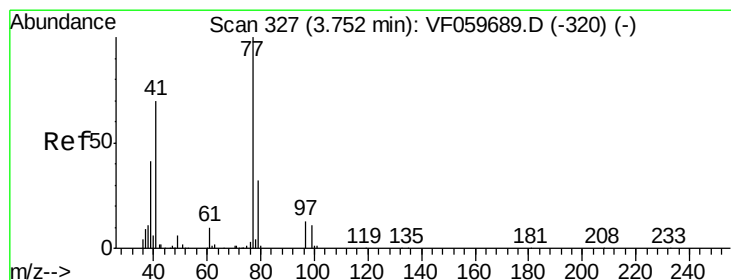
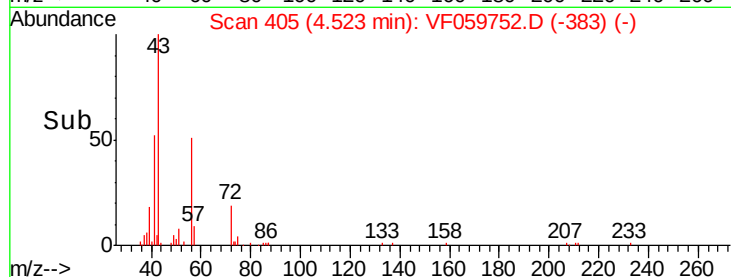
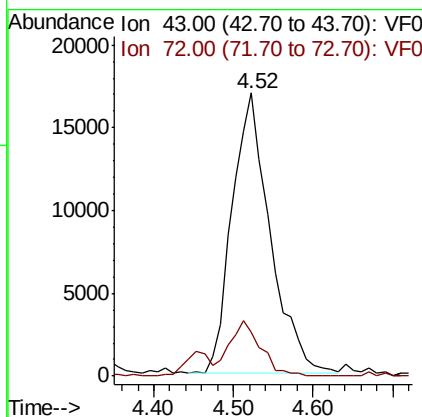
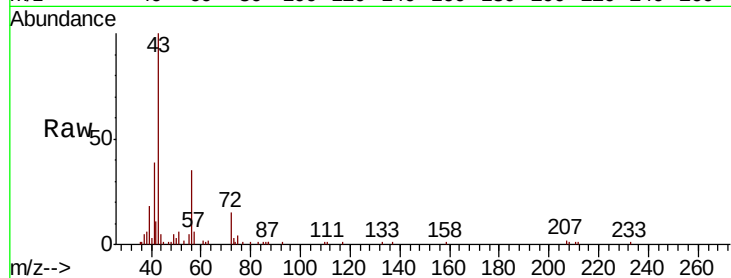
72 15.4 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 23.12 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059752.D

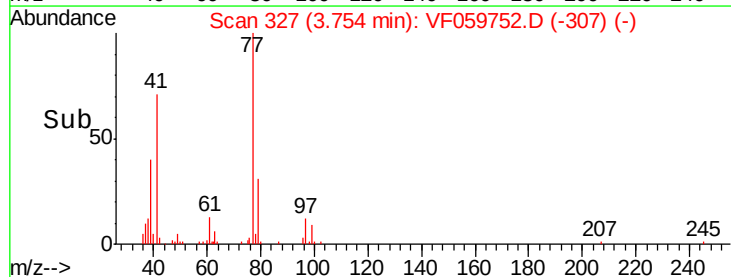
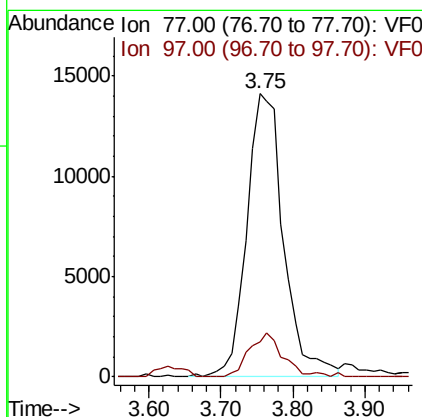
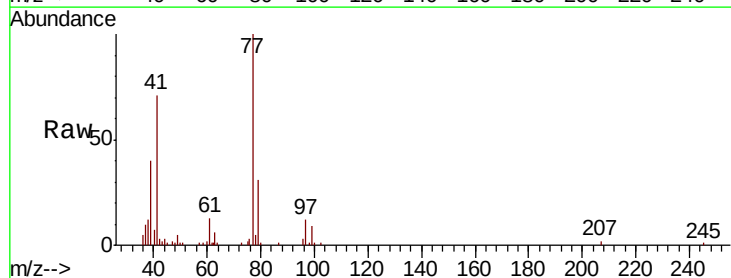
Acq: 1 Aug 2018 13:48

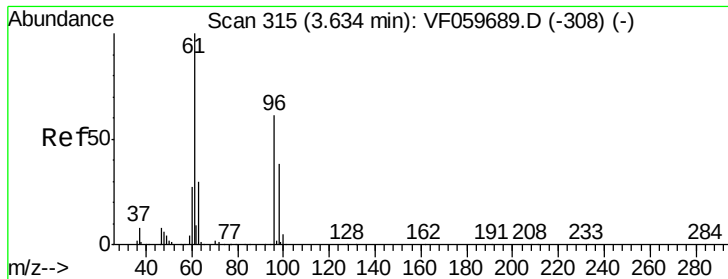
Tgt Ion: 77 Resp: 50302

Ion Ratio Lower Upper

77 100

97 12.2 6.8 20.4





#27

cis-1,2-Dichloroethene

Concen: 21.61 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

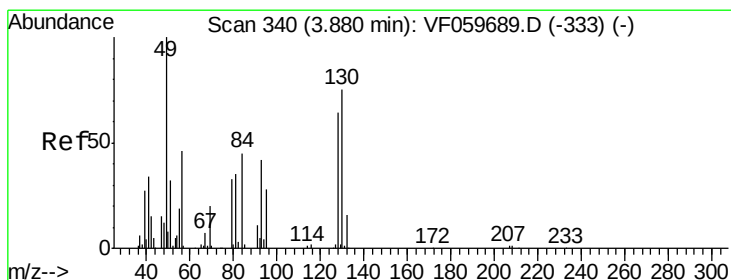
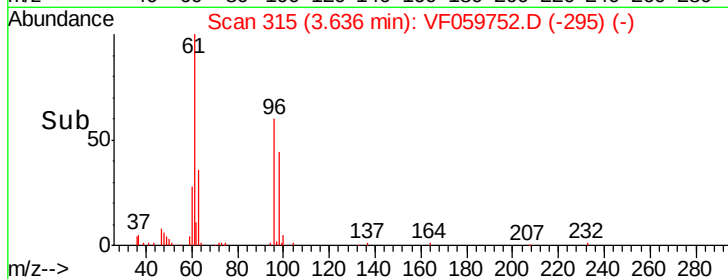
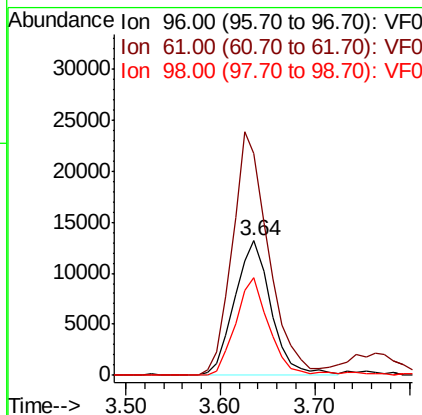
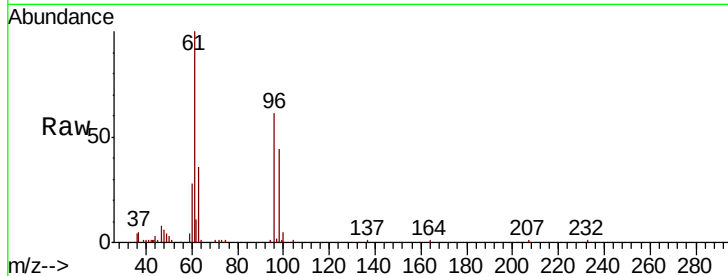
ClientSampleId :

VF0801SBSD01

Tot Ion:	96	Resp:	35322
Ion Ratio	Lower	Upper	
96	100		
61	164.9	0.0	326.8
98	72.6	0.0	125.2

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#28

Bromochloromethane

Concen: 21.59 ug/l

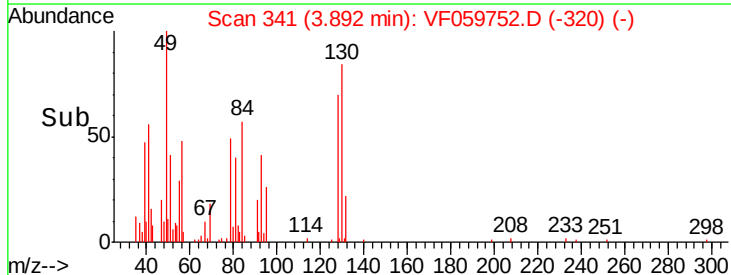
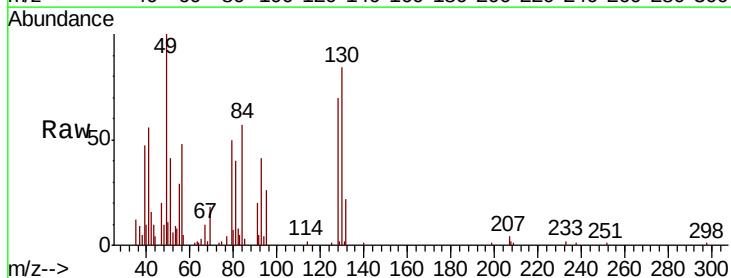
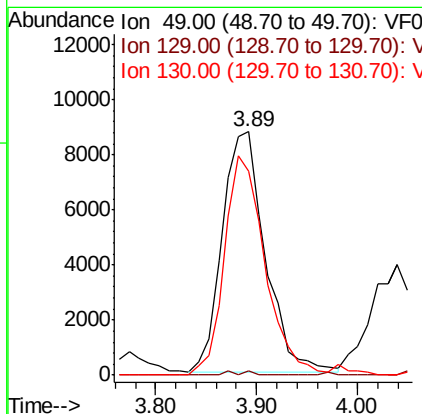
RT: 3.89 min Scan# 341

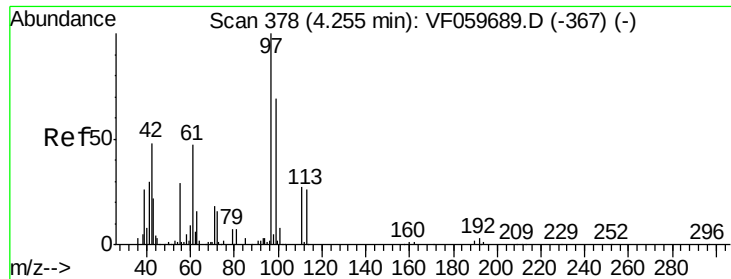
Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	49	Resp:	25716
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	4.8
130	83.5	59.6	89.4





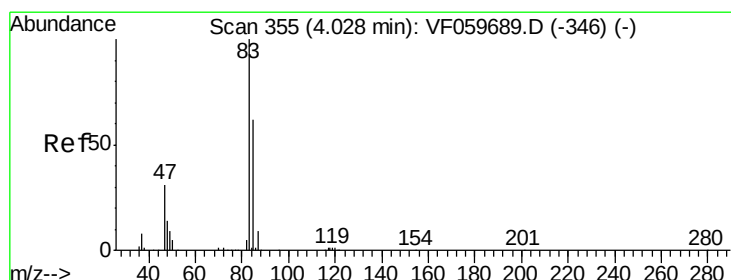
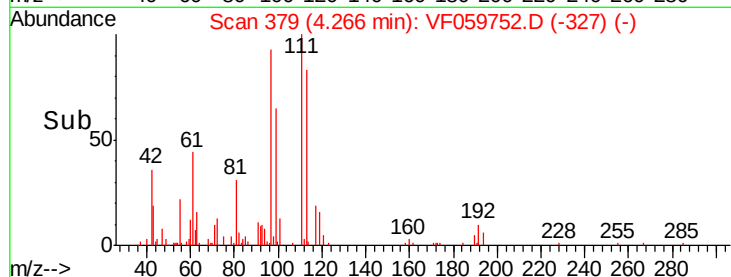
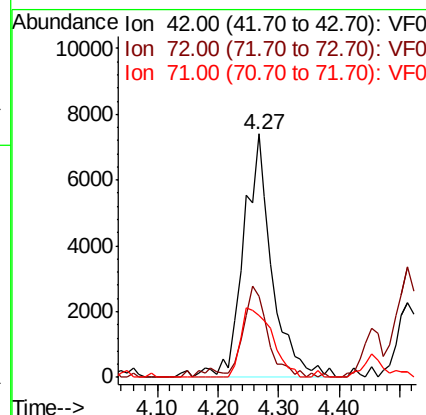
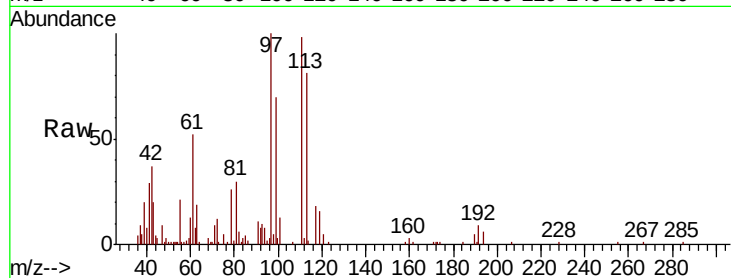
#29
Tetrahydrofuran
Concen: 103.70 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.5	27.0	40.6
71	31.2	29.7	44.5

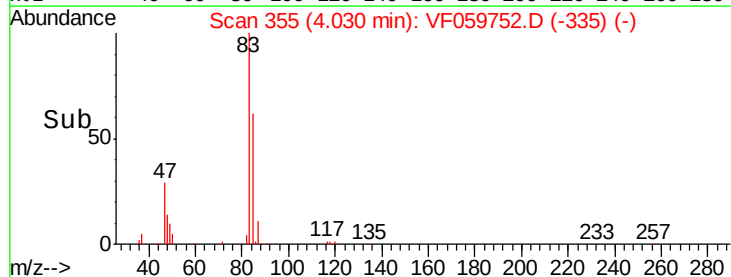
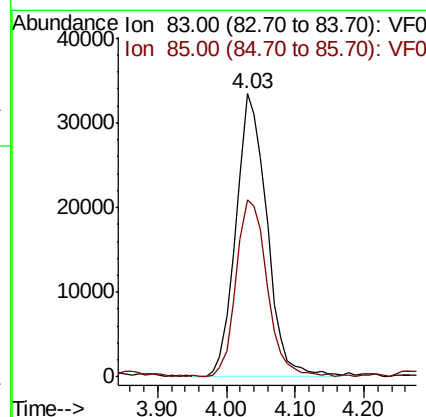
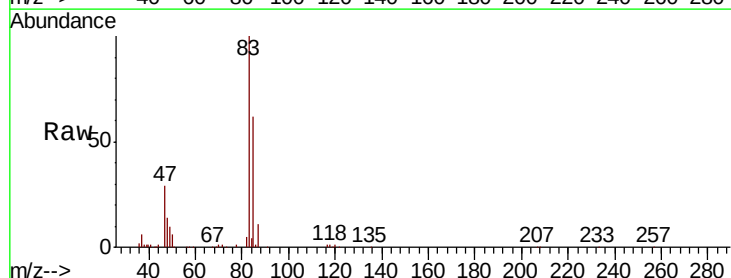
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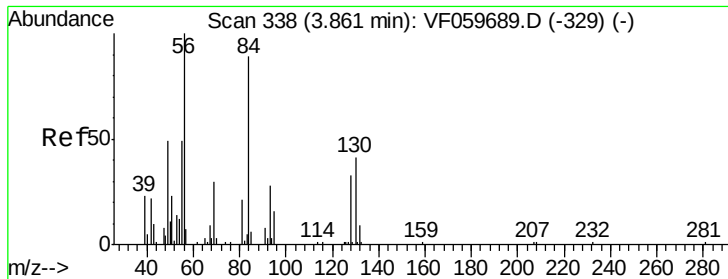
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#30
Chloroform
Concen: 24.26 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.4	74.0





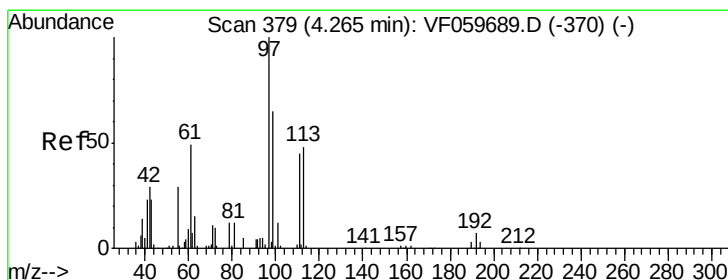
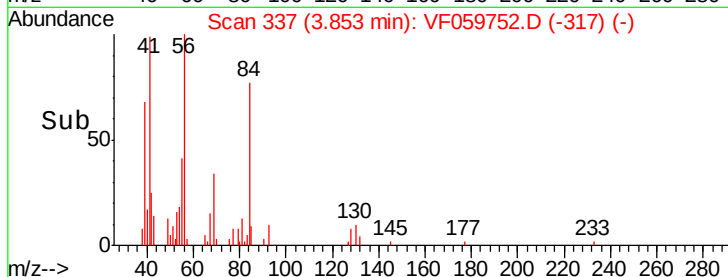
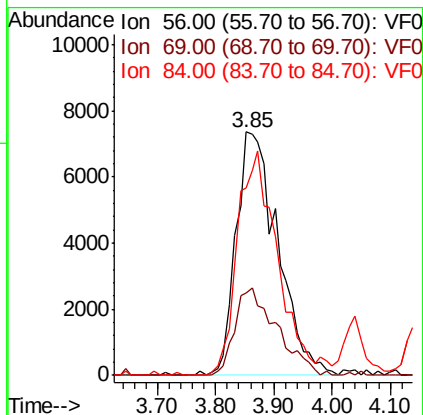
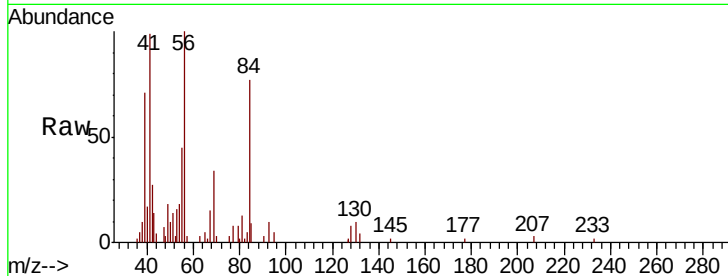
#31
Cyclohexane
Concen: 22.62 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	23.7	35.5
84	76.7	71.1	106.7

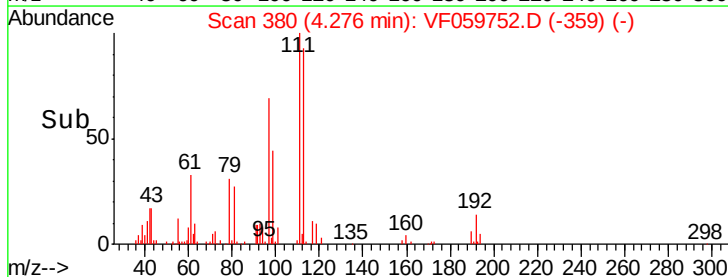
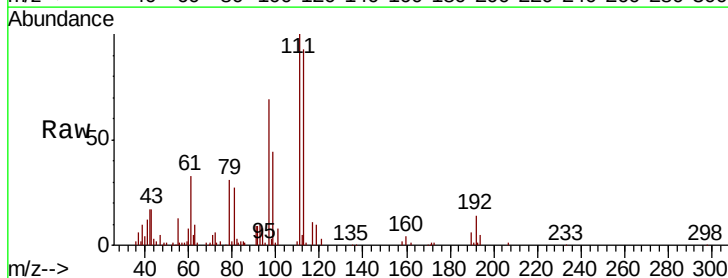
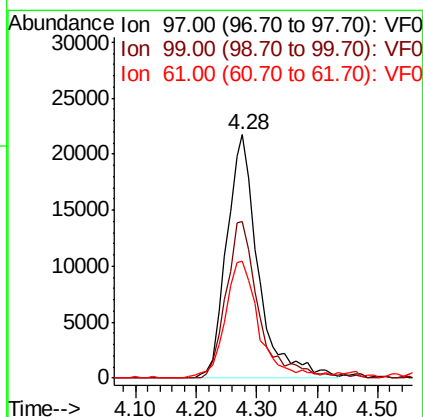
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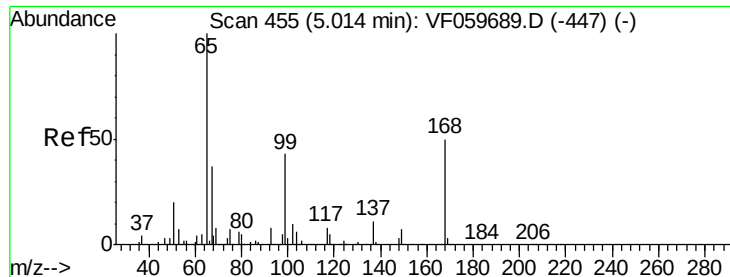
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#32
1,1,1-Trichloroethane
Concen: 23.64 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.4	78.6
61	48.0	39.7	59.5





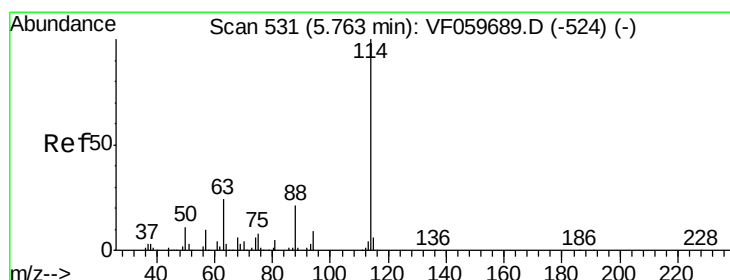
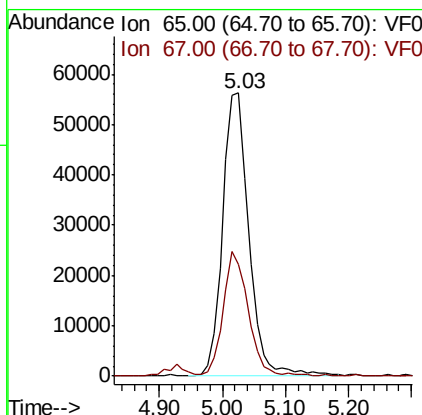
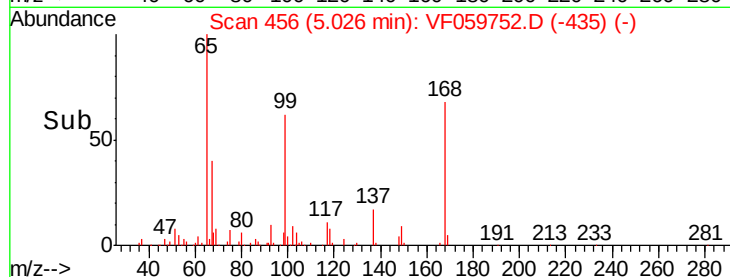
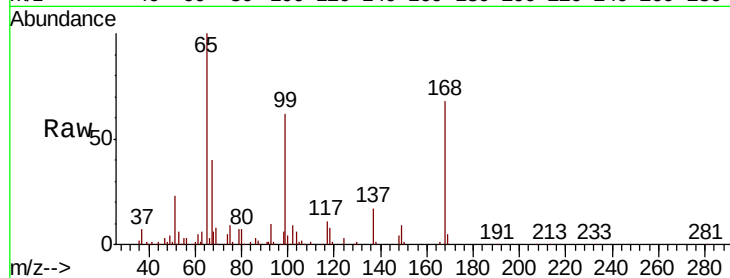
#33
 1,2-Dichloroethane-d4
 Concen: 54.08 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163279		
67	39.6	0.0	84.6	

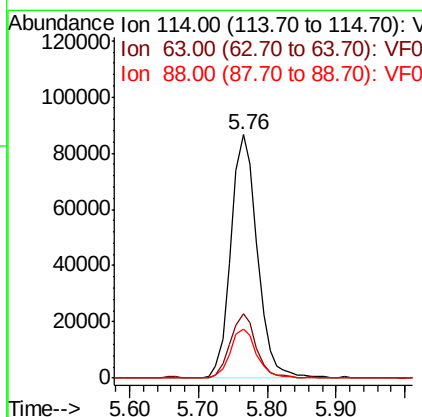
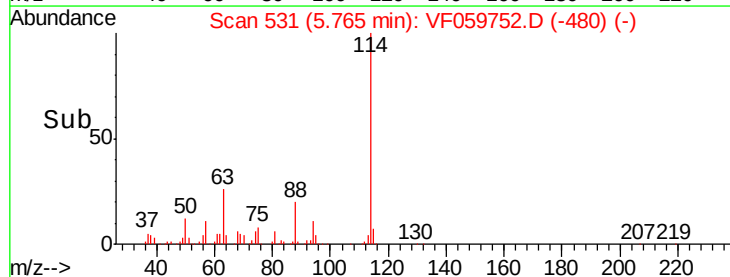
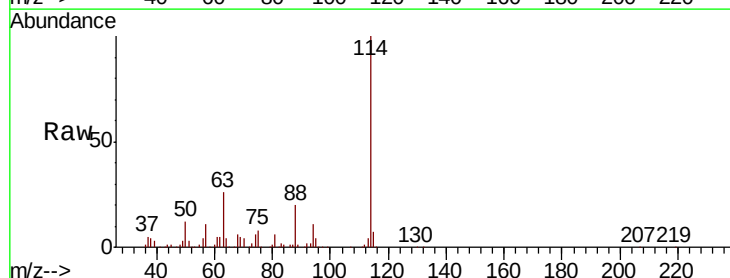
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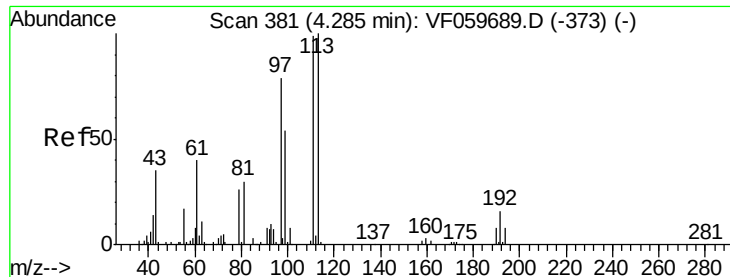
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	230215		
63	26.3	0.0	47.4	
88	20.4	0.0	41.2	





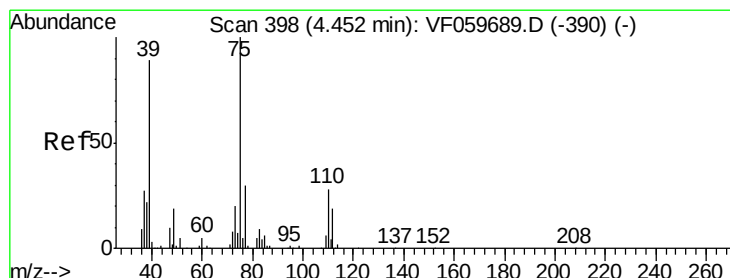
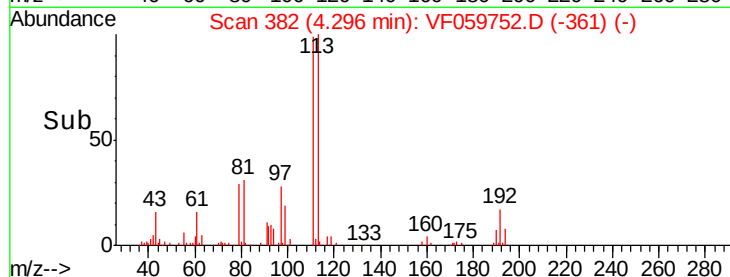
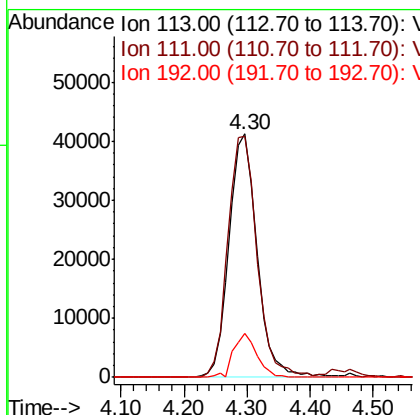
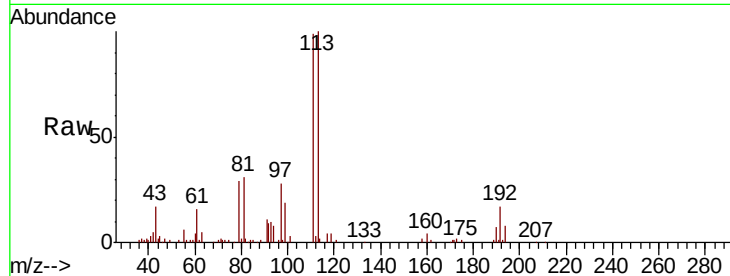
#35
 Dibromofluoromethane
 Concen: 53.03 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126803		
111	98.9	79.0	118.4	
192	17.9	13.2	19.8	

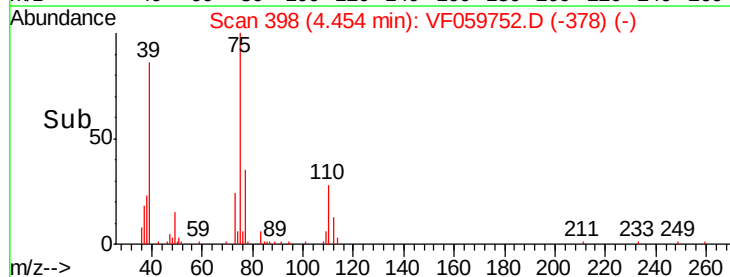
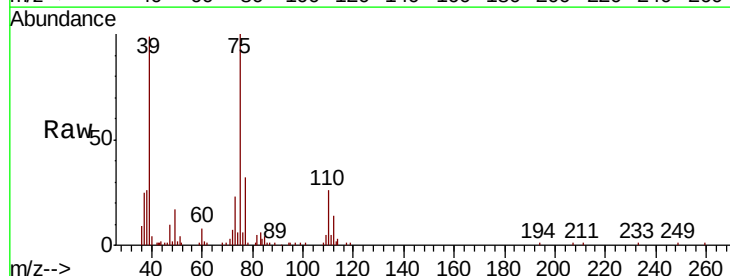
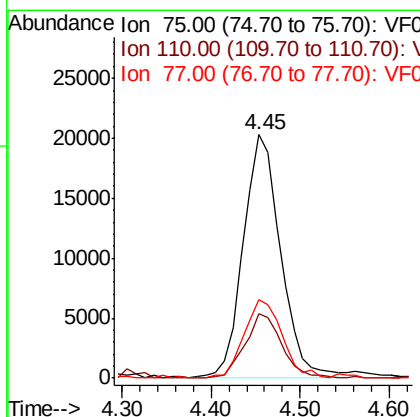
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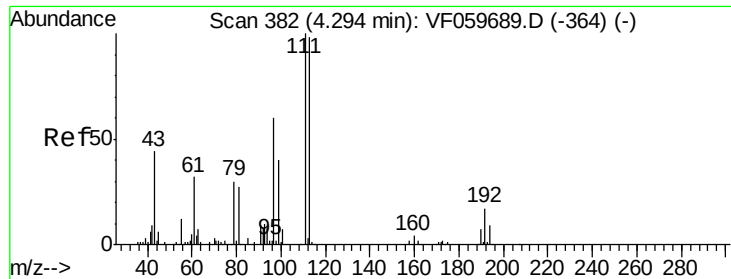
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#36
 1,1-Dichloropropene
 Concen: 23.24 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59091		
110	26.3	14.0	41.9	
77	32.2	24.2	36.2	





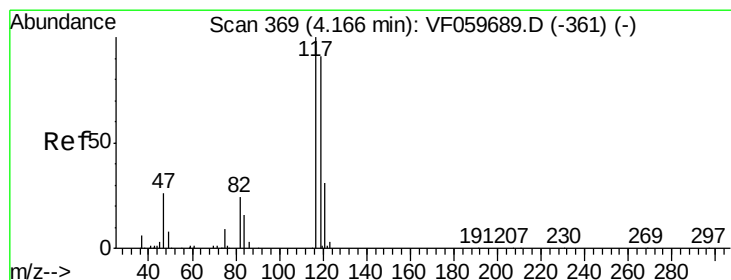
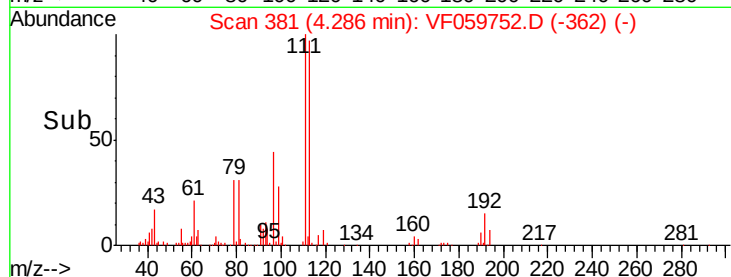
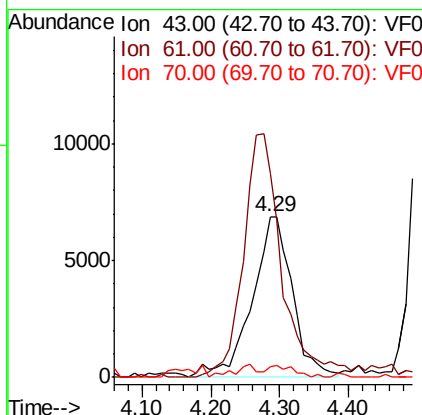
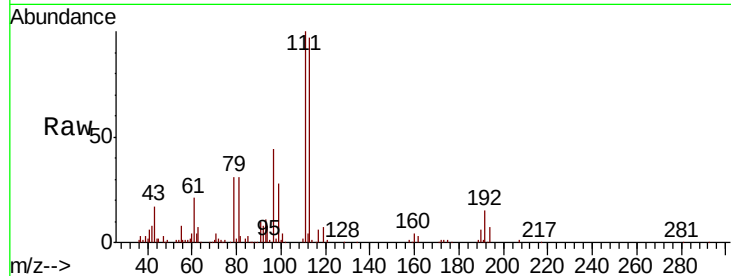
#37
Ethyl Acetate
Concen: 21.80 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	126.5	58.2	87.2#	
70	6.3	6.0	9.0	

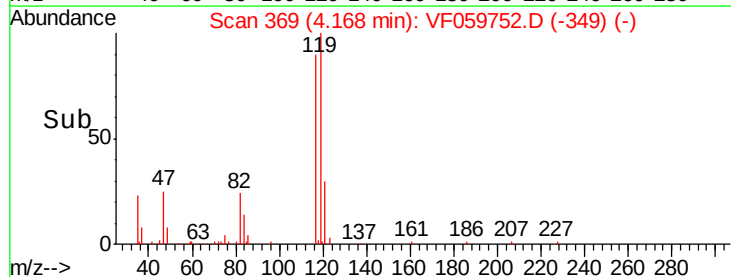
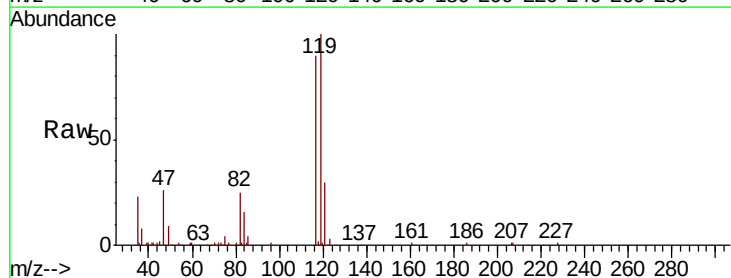
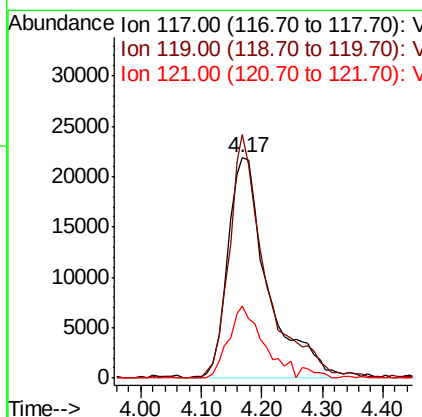
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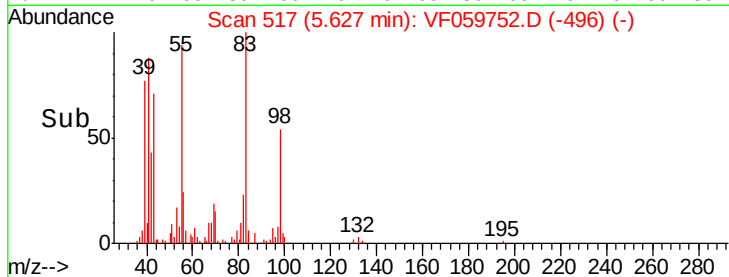
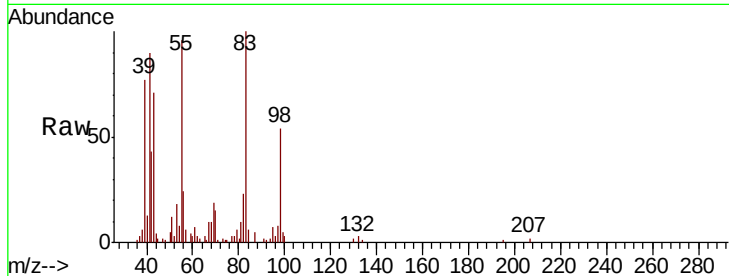
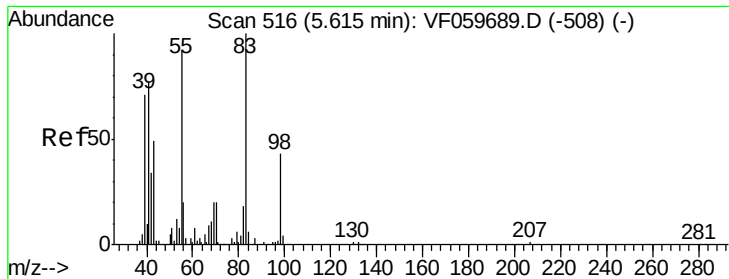
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#38
Carbon Tetrachloride
Concen: 27.45 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	110.7	72.9	109.3#	
121	32.9	25.0	37.4	





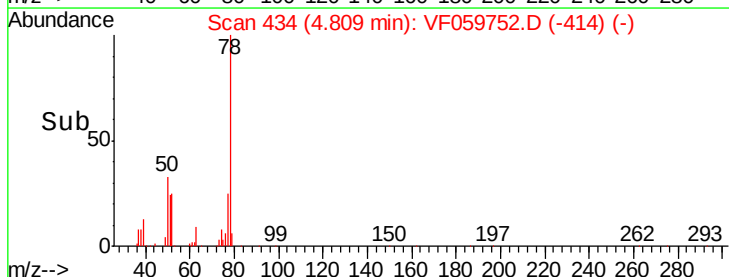
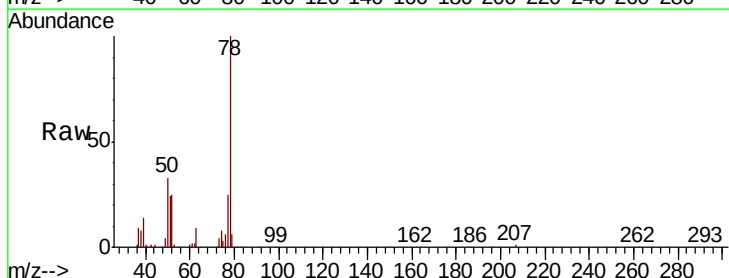
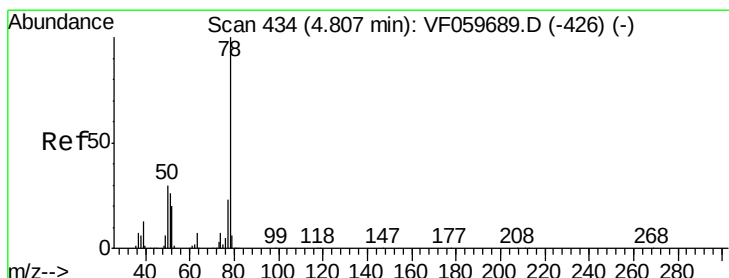
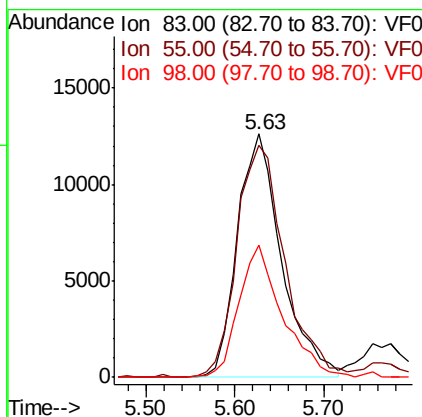
#39
Methylcyclohexane
Concen: 22.10 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.5	73.4	110.2
98	54.4	34.2	51.4

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

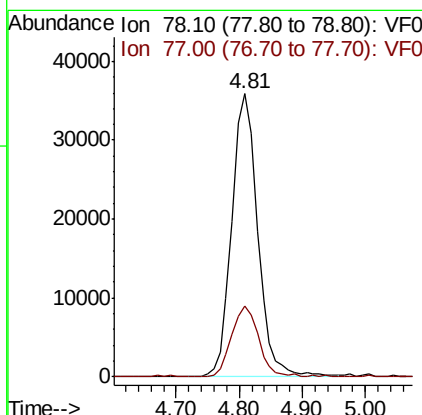
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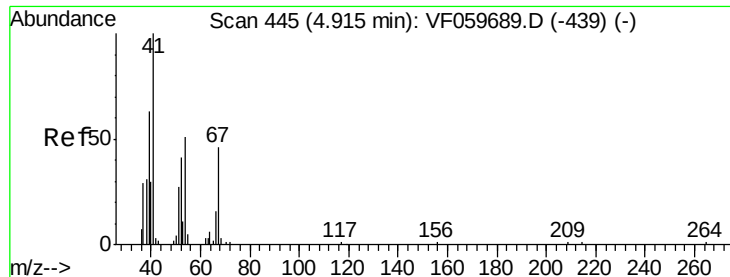
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#40
Benzene
Concen: 21.99 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.9	28.3





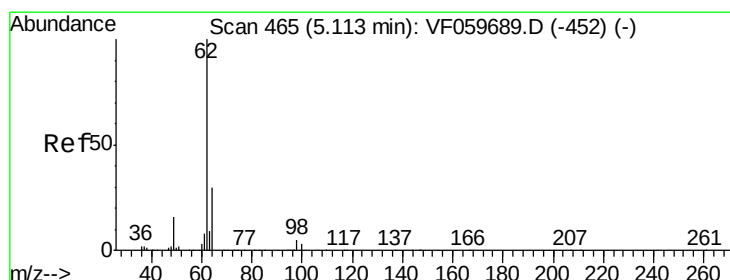
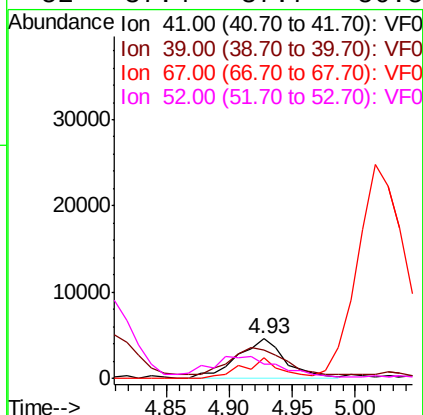
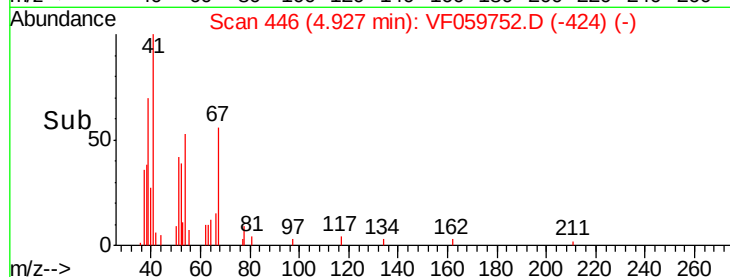
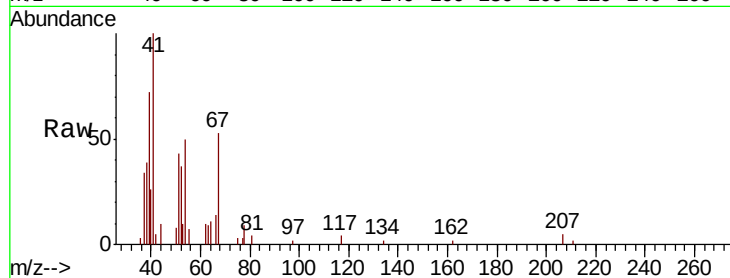
#41
Methacrylonitrile
Concen: 19.11 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.0	55.2	82.8
67	53.1	36.2	54.2
52	37.4	37.7	56.5

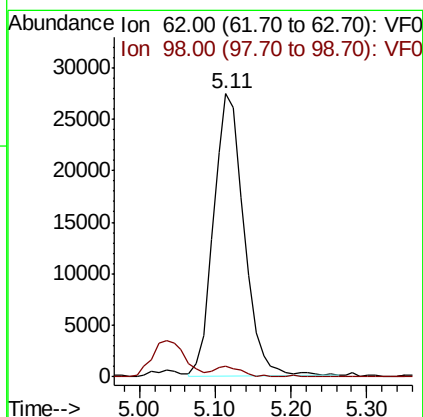
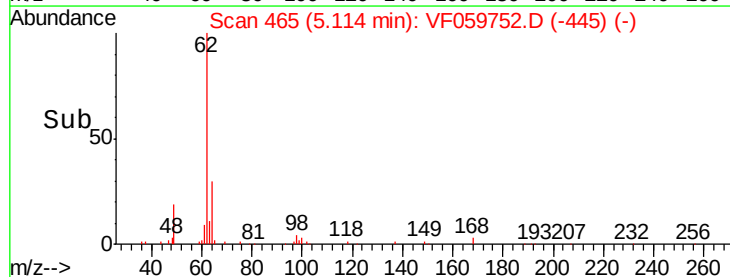
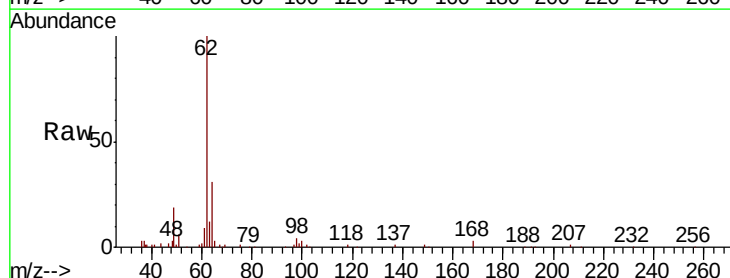
Manual Integrations
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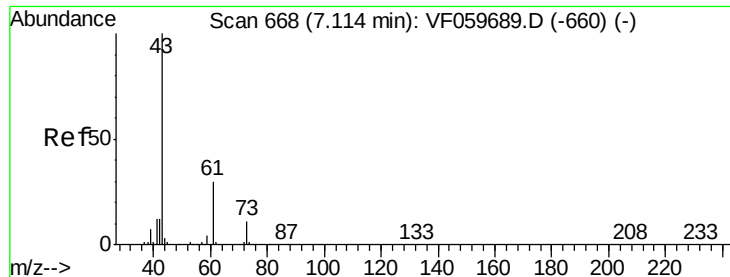
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#42
1,2-Dichloroethane
Concen: 23.67 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.6	0.0	9.6





#43

Isopropyl Acetate

Concen: 19.67 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

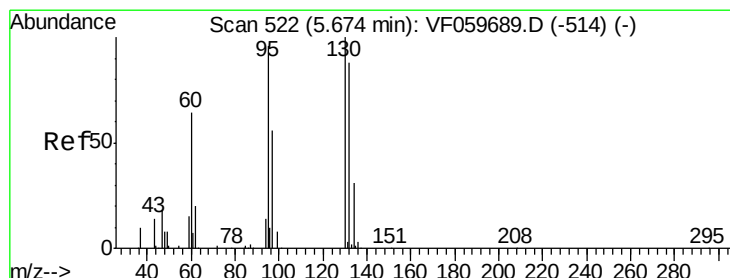
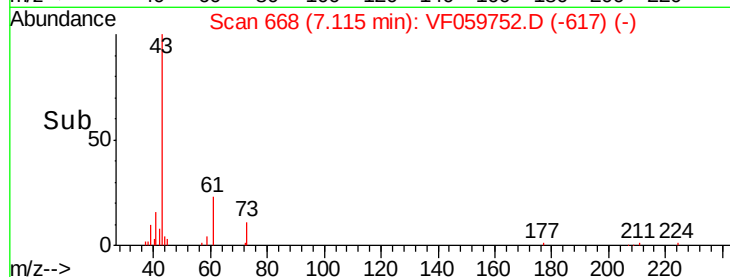
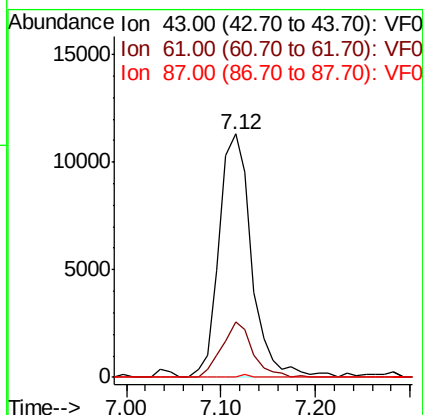
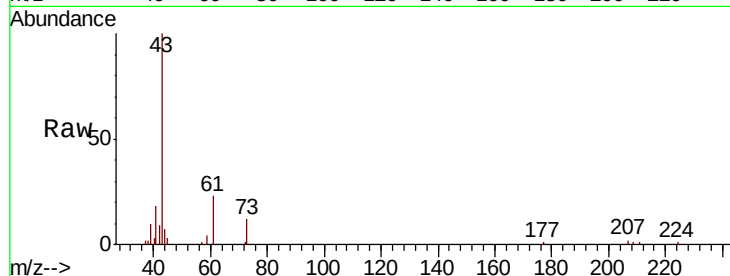
ClientSampleId :

VF0801SBSD01

Tot Ion:	43	Resp:	27081
Ion Ratio	Lower	Upper	
43	100		
61	22.7	23.8	35.8#
87	0.0	0.6	1.0#

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#44

Trichloroethene

Concen: 24.88 ug/l

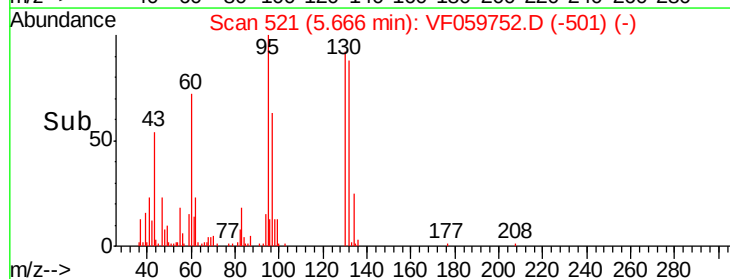
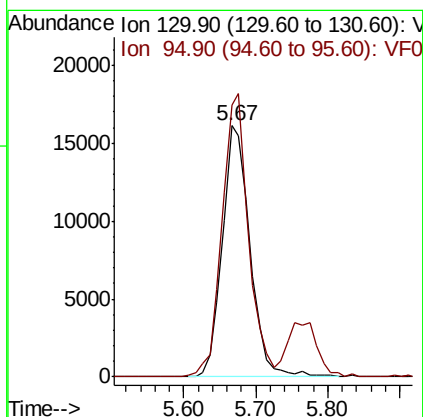
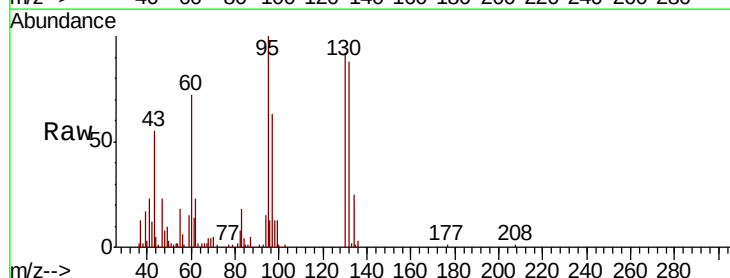
RT: 5.67 min Scan# 521

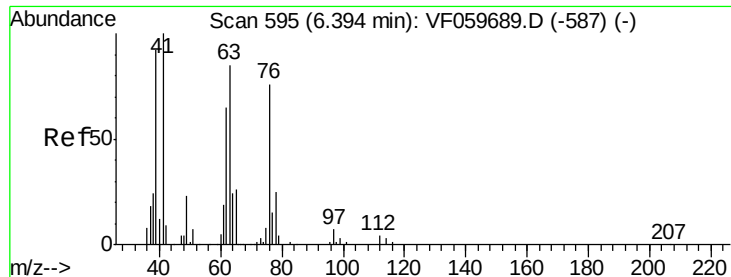
Delta R.T. -0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	130	Resp:	42919
Ion Ratio	Lower	Upper	
130	100		
95	108.1	0.0	191.0





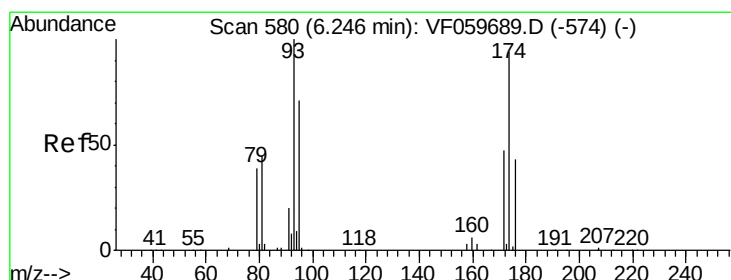
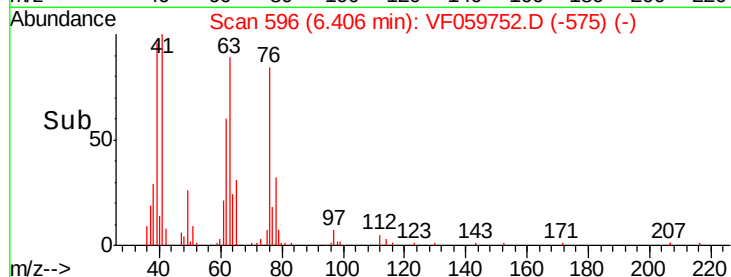
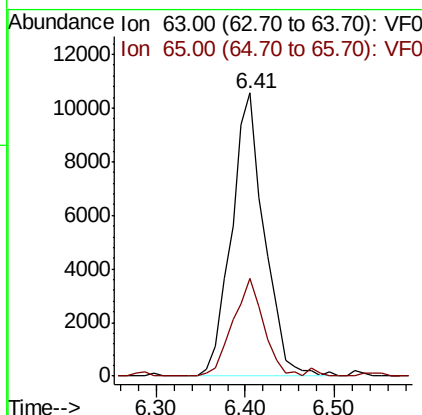
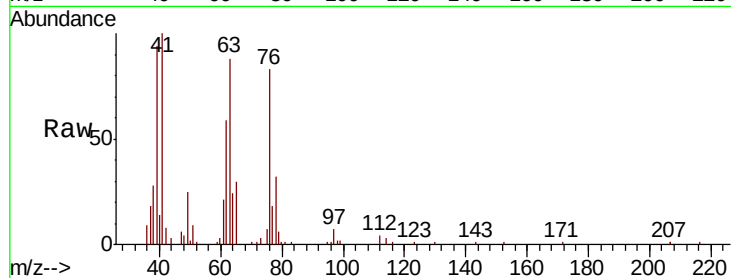
#45
 1,2-Dichloropropane
 Concen: 22.04 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion: 63 Resp: 27065
 Ion Ratio Lower Upper
 63 100
 65 34.6 25.2 37.8

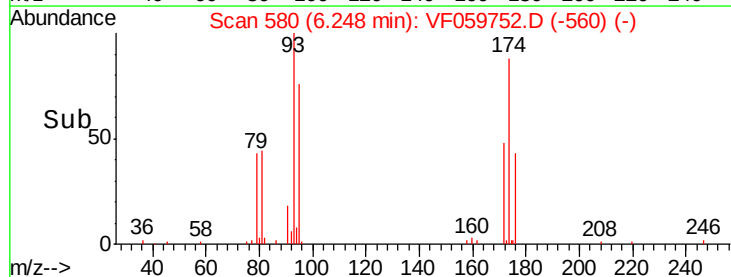
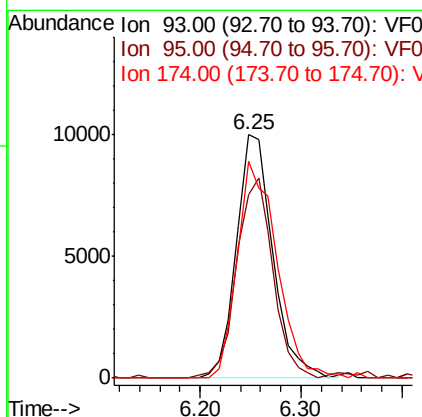
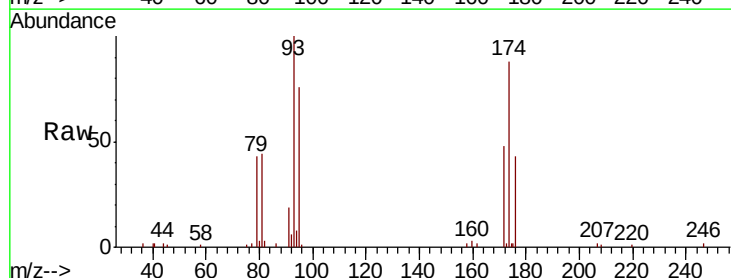
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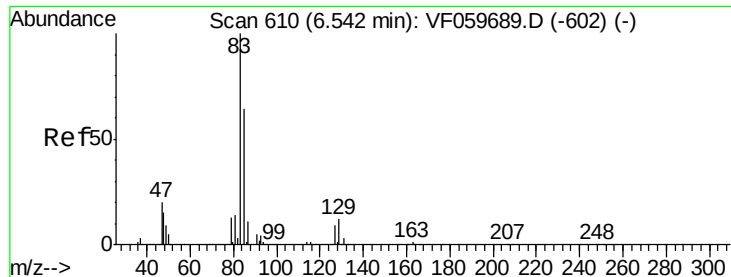
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#46
 Dibromomethane
 Concen: 21.55 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion: 93 Resp: 25121
 Ion Ratio Lower Upper
 93 100
 95 75.5 57.1 85.7
 174 89.1 74.8 112.2





#47

Bromodichloromethane

Concen: 24.43 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

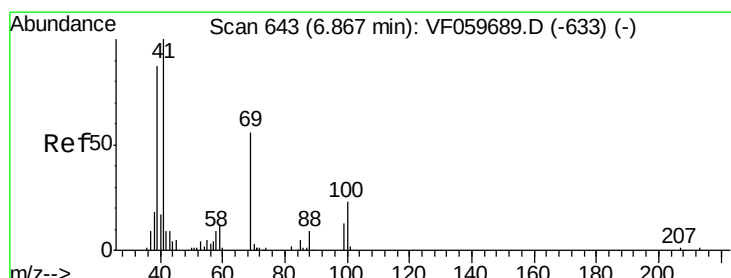
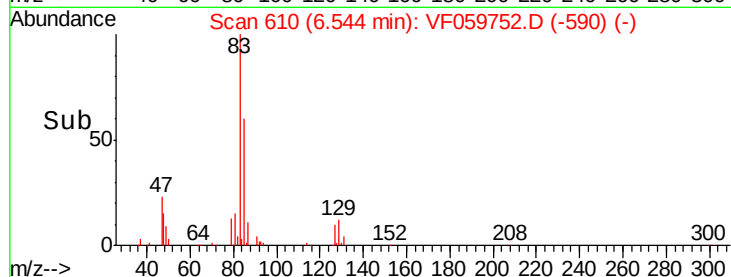
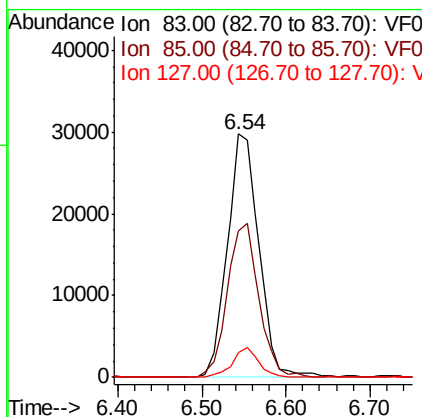
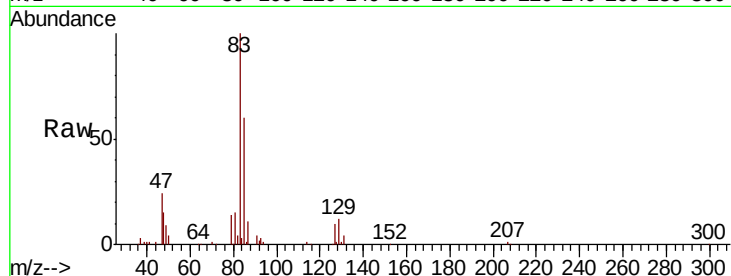
ClientSampleId :

VF0801SBSD01

Tot Ion:	83	Resp:	77556
Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.0	76.6
127	11.3	7.3	10.9#

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#48

Methyl methacrylate

Concen: 19.91 ug/l

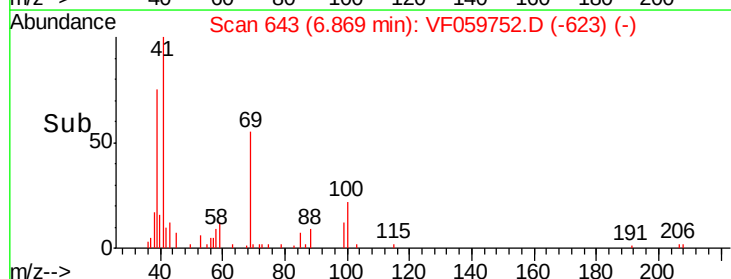
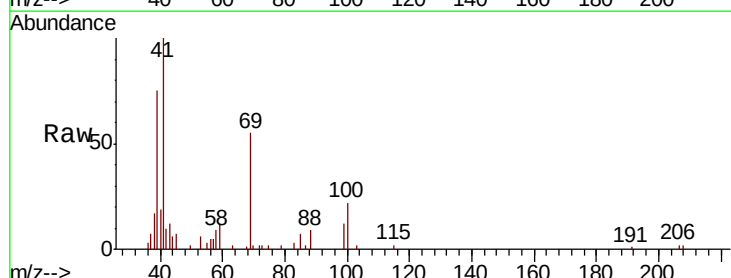
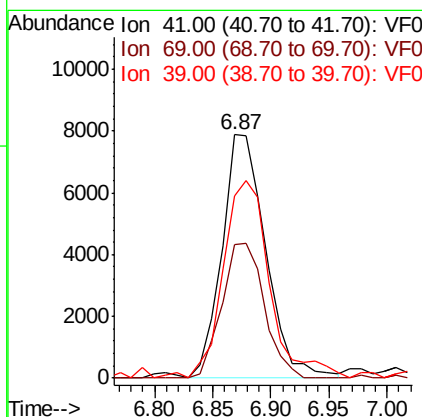
RT: 6.87 min Scan# 643

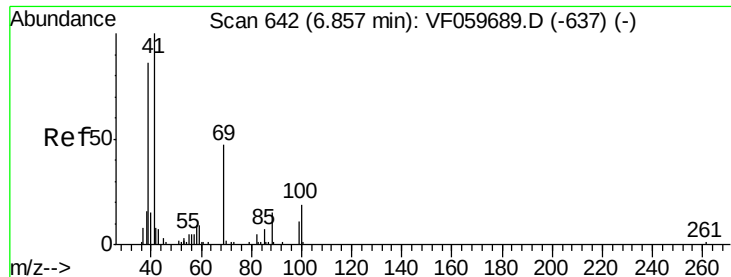
Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	41	Resp:	20615
Ion	Ratio	Lower	Upper
41	100		
69	54.7	44.4	66.6
39	75.1	69.4	104.2





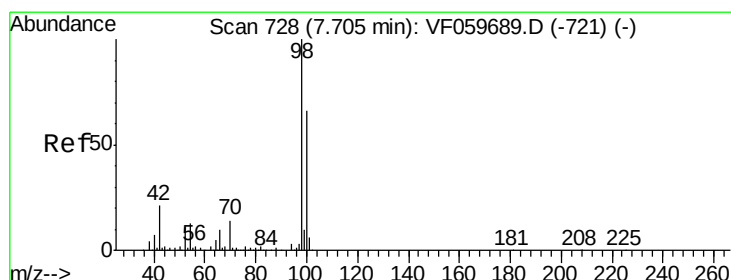
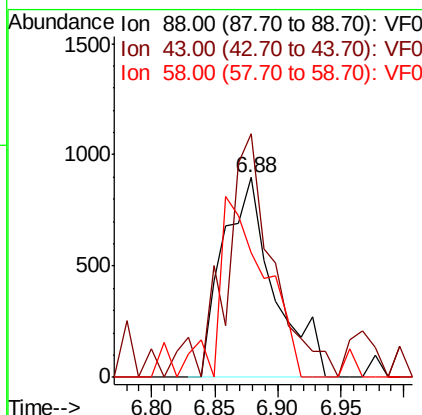
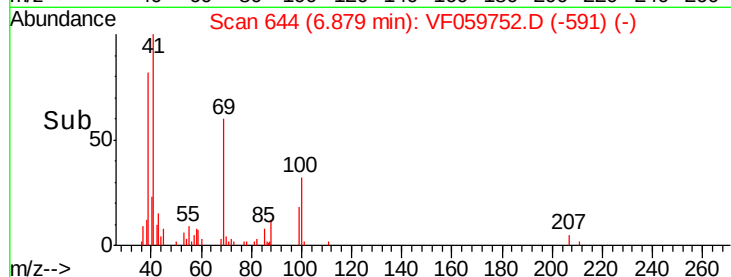
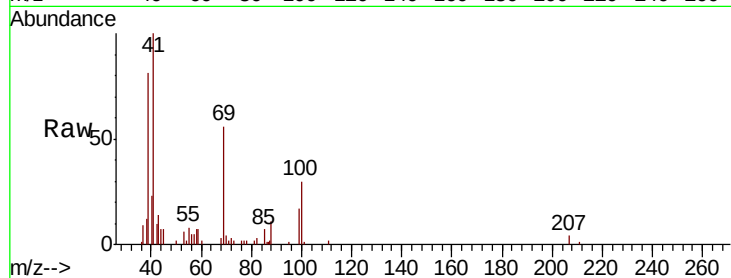
#49
1,4-Dioxane
Concen: 347.06 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion: 88 Resp: 2530
Ion Ratio Lower Upper
88 100
43 121.8 45.2 67.8#
58 62.1 49.0 73.6

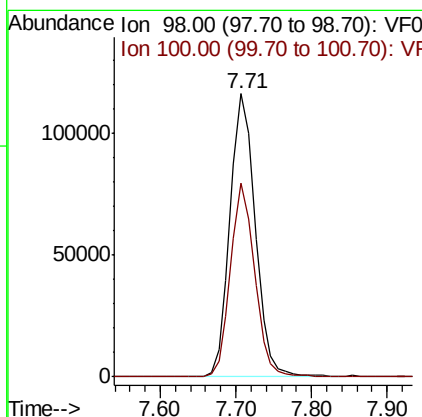
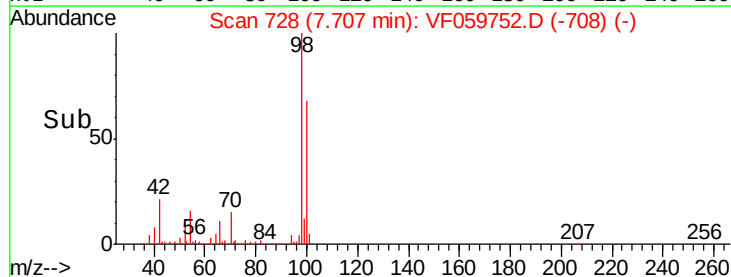
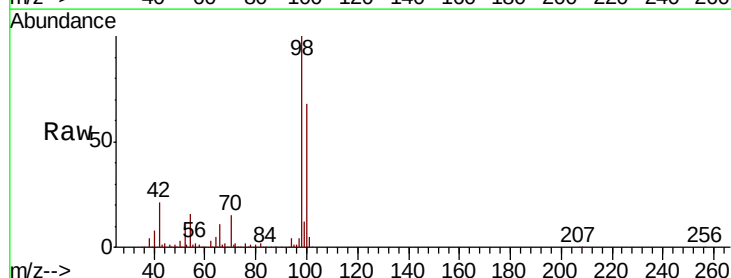
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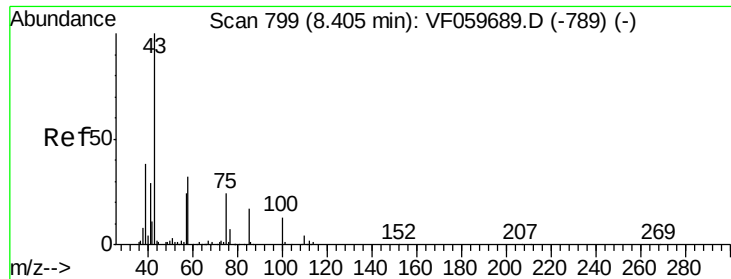
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#50
Toluene-d8
Concen: 48.34 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion: 98 Resp: 269531
Ion Ratio Lower Upper
98 100
100 68.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 102.89 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 43 Resp: 107744

Ion Ratio Lower Upper

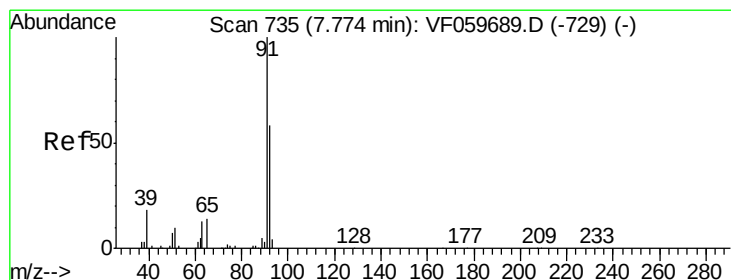
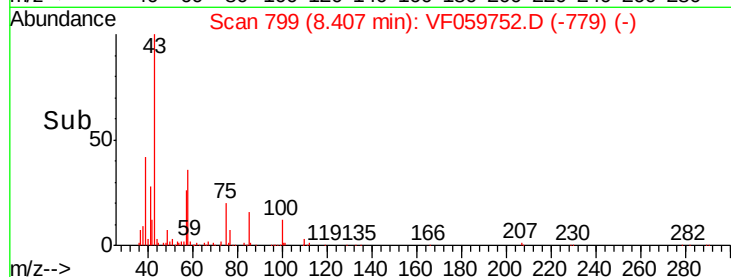
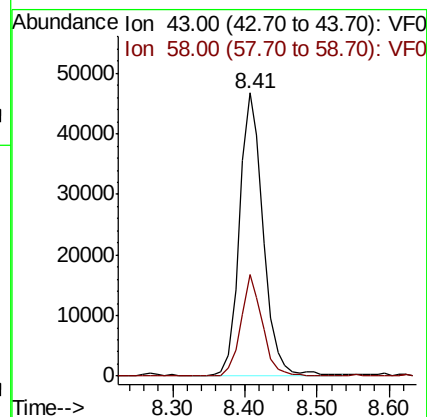
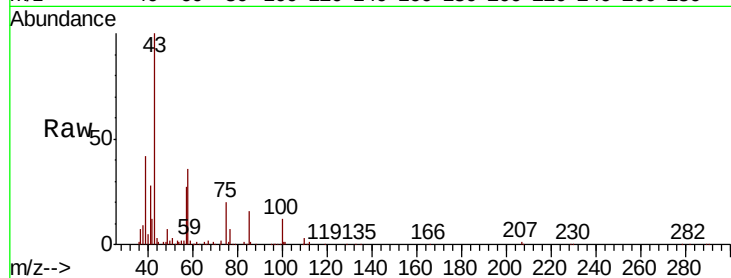
43 100

58 35.7 25.9 38.9

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#52

Toluene

Concen: 22.97 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059752.D

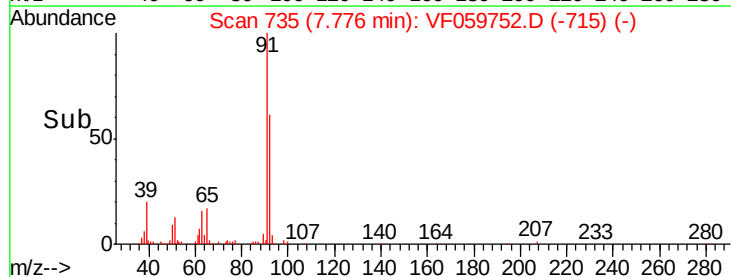
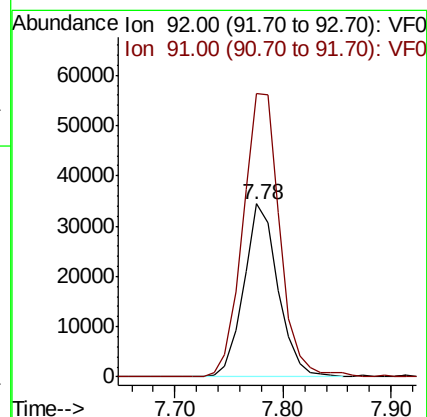
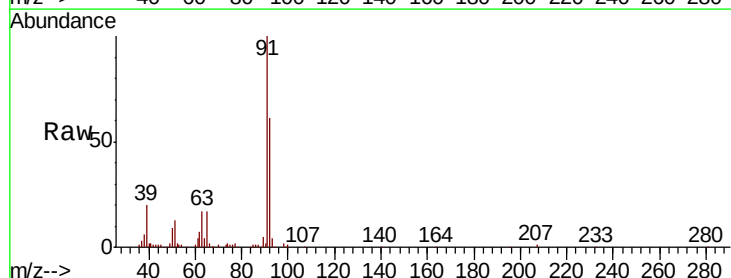
Acq: 1 Aug 2018 13:48

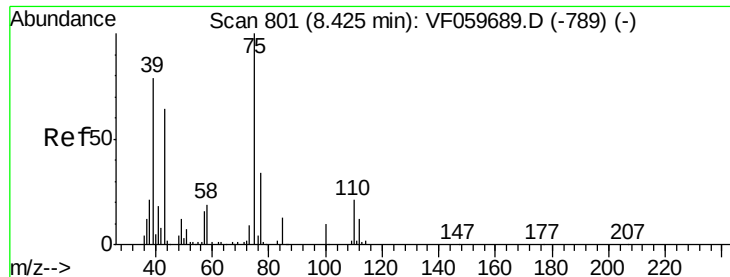
Tgt Ion: 92 Resp: 75497

Ion Ratio Lower Upper

92 100

91 163.9 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 22.03 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 75 Resp: 60689

Ion Ratio Lower Upper

75 100

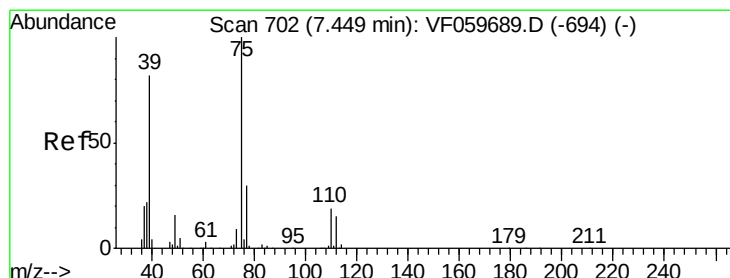
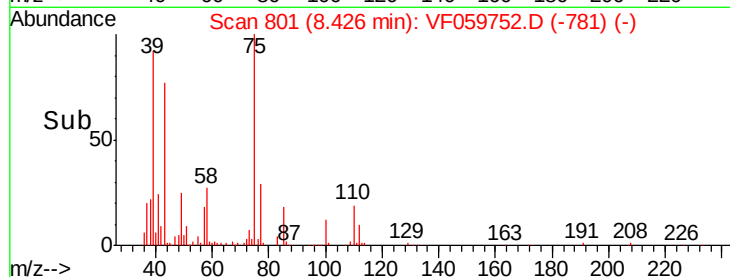
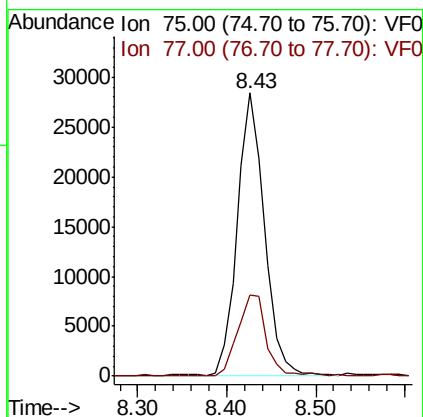
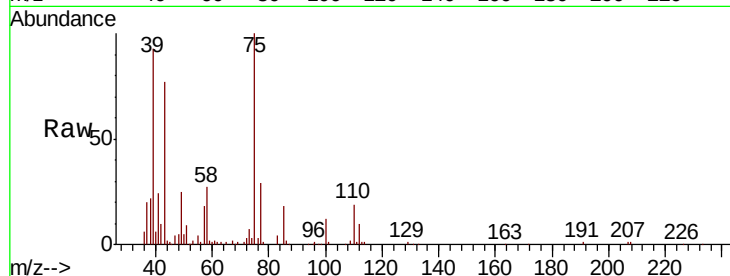
77 28.6 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 23.16 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

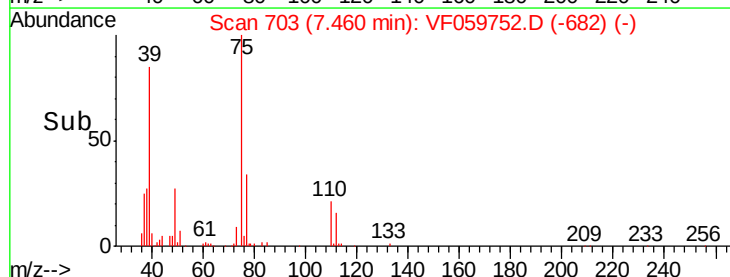
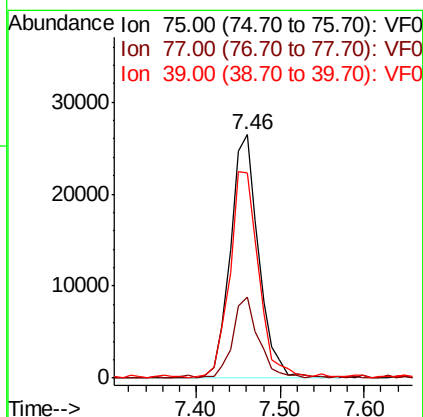
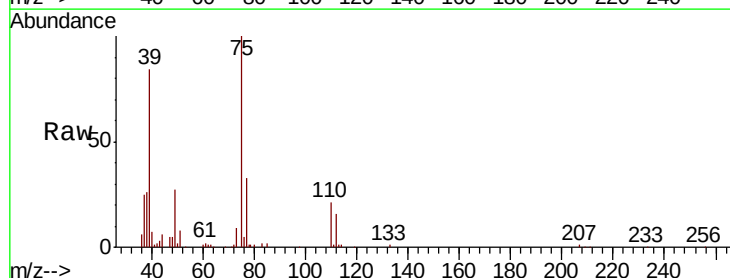
Tgt Ion: 75 Resp: 61780

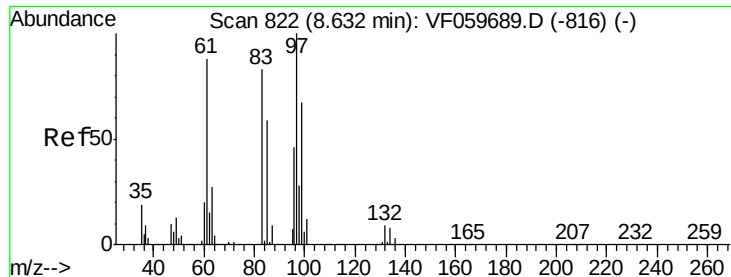
Ion Ratio Lower Upper

75 100

77 33.4 24.0 36.0

39 84.4 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 20.59 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

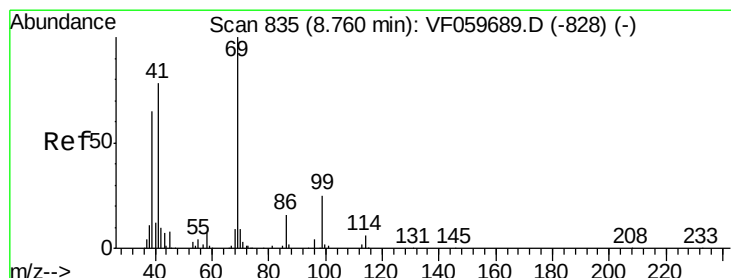
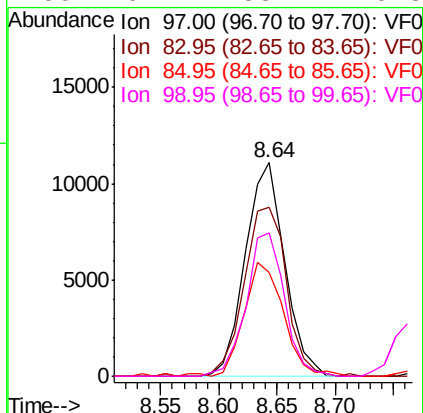
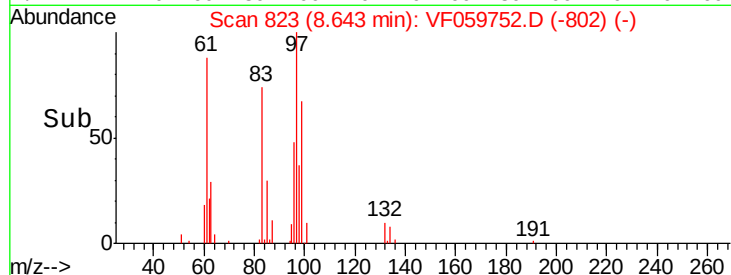
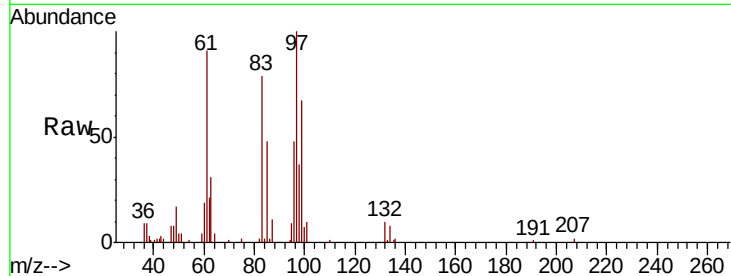
ClientSampleId :

VF0801SBSD01

Tot Ion:	97	Resp:	25920
Ion	Ratio	Lower	Upper
97	100		
83	79.4	66.6	100.0
85	48.3	47.4	71.0
99	67.4	53.2	79.8

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#56

Ethyl methacrylate

Concen: 18.85 ug/l

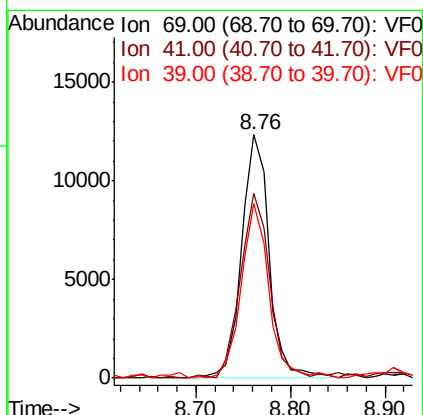
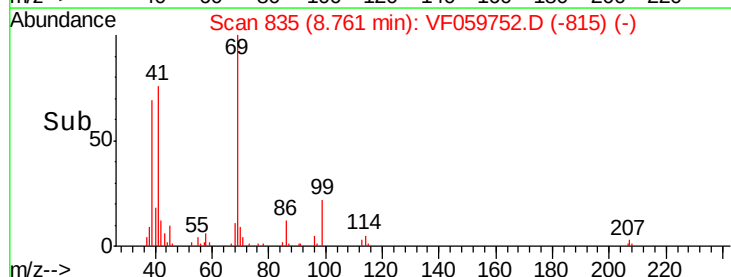
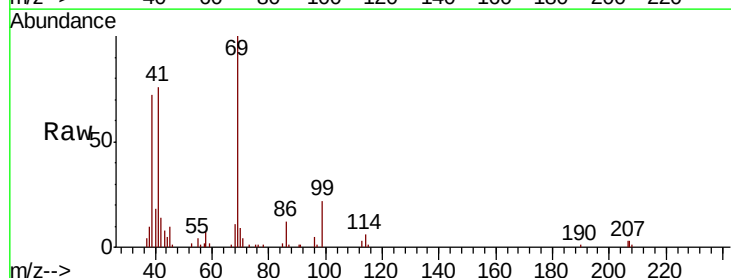
RT: 8.76 min Scan# 835

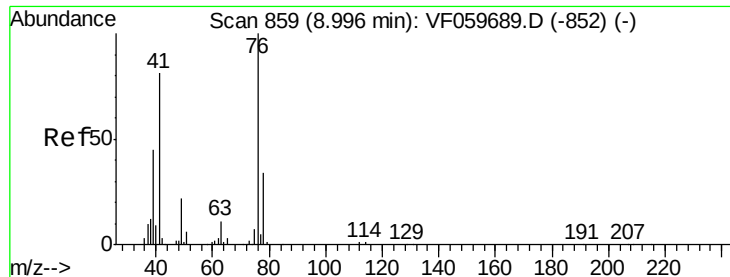
Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	69	Resp:	24754
Ion	Ratio	Lower	Upper
69	100		
41	75.9	62.3	93.5
39	71.8	52.4	78.6





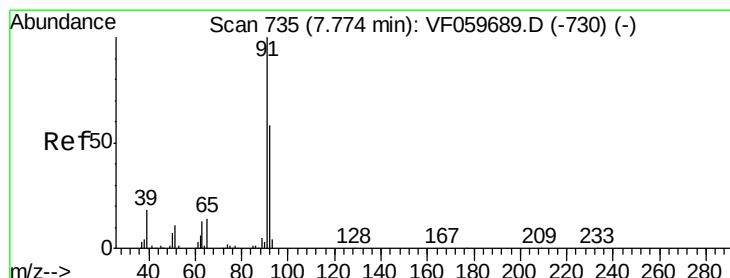
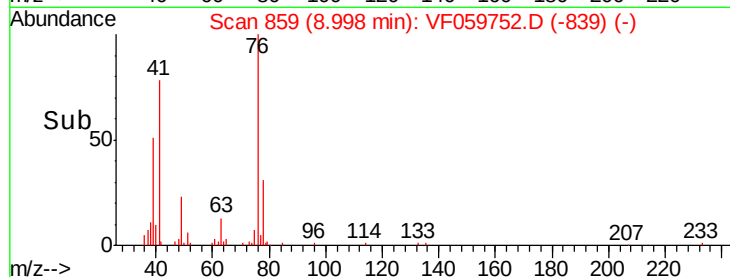
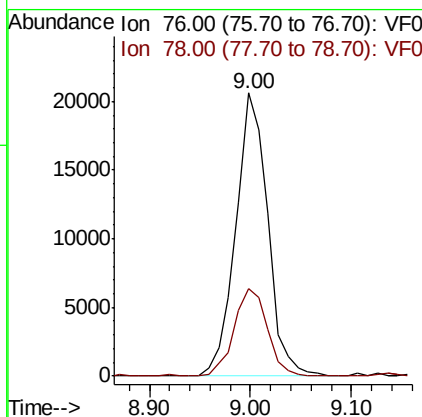
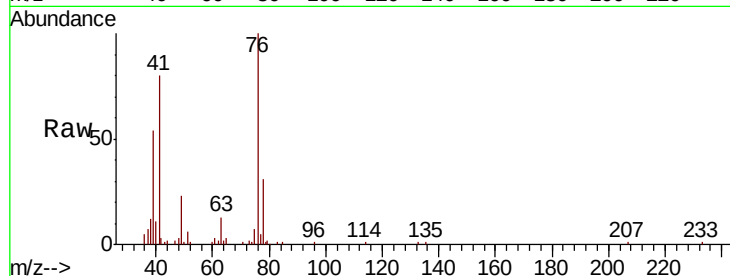
#57
 1,3-Dichloropropane
 Concen: 21.10 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion: 76 Resp: 45577
 Ion Ratio Lower Upper
 76 100
 78 31.0 27.2 40.8

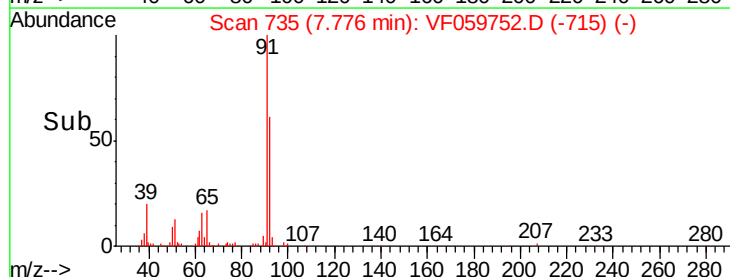
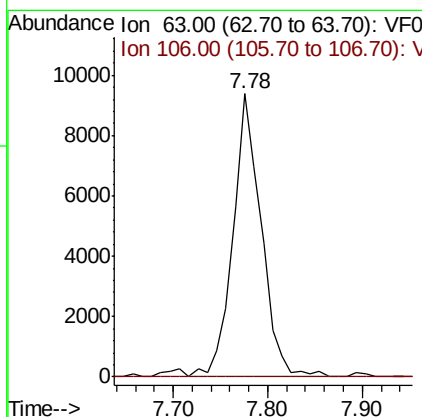
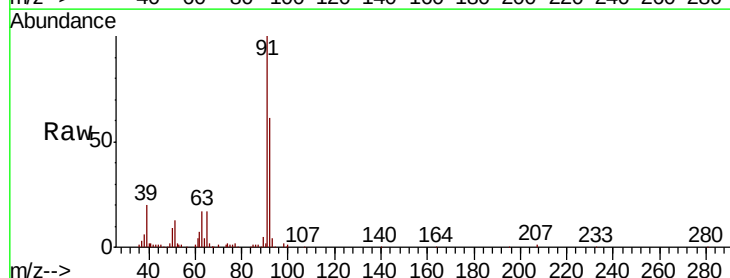
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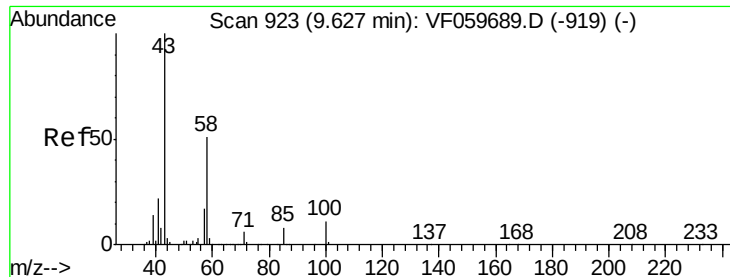
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#58
 2-Chloroethyl Vinyl ether
 Concen: 127.74 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion: 63 Resp: 19366
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





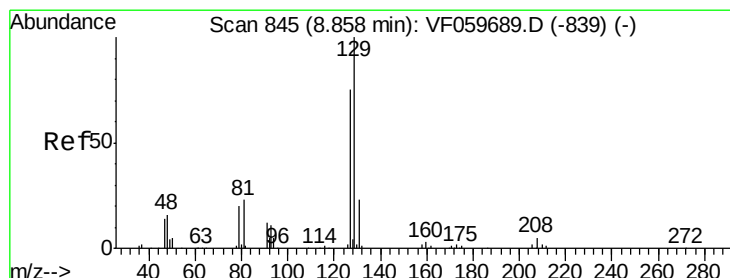
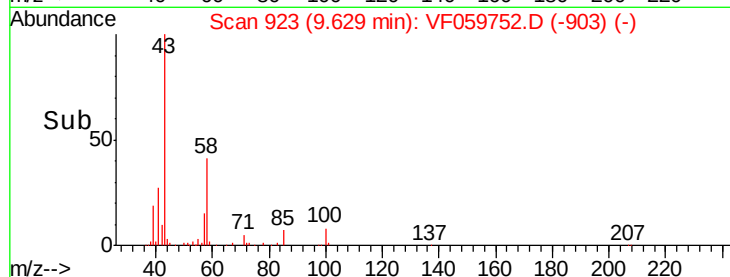
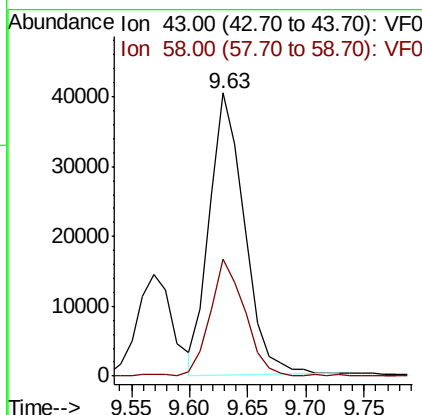
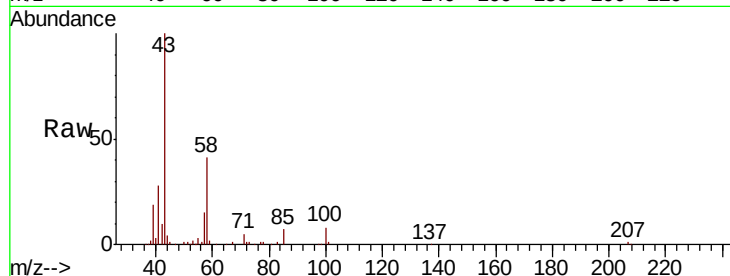
#59
2-Hexanone
Concen: 99.90 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion: 43 Resp: 83828
Ion Ratio Lower Upper
43 100
58 41.3 23.3 69.8

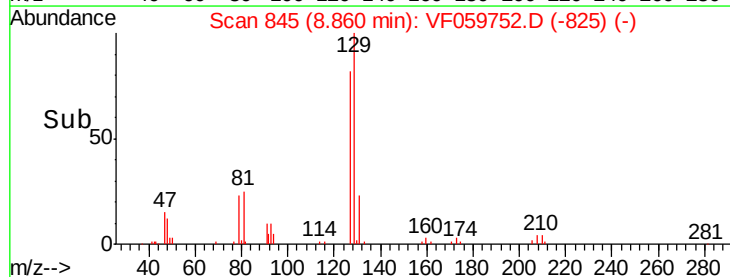
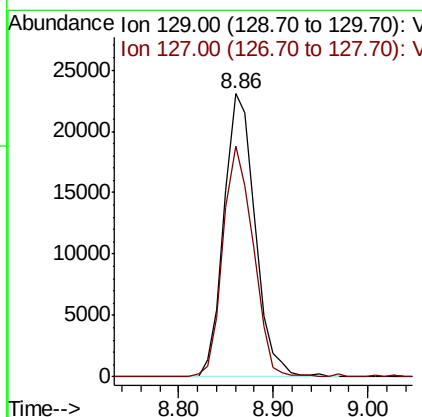
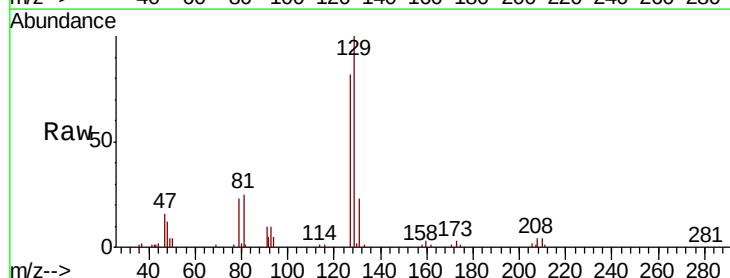
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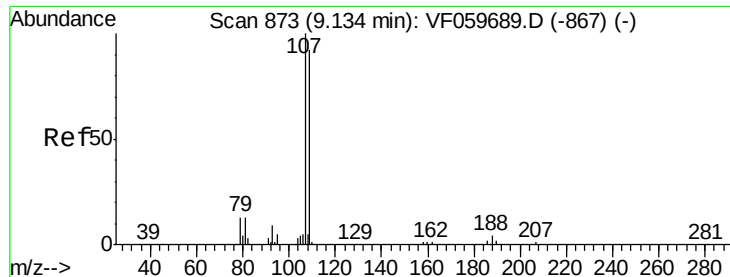
apatel
8/2/2018 10:25:56 AM



#60
Dibromochloromethane
Concen: 23.71 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion: 129 Resp: 52676
Ion Ratio Lower Upper
129 100
127 81.8 37.7 113.1





#61

1,2-Dibromoethane

Concen: 22.08 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion:107 Resp: 32468

Ion Ratio Lower Upper

107 100

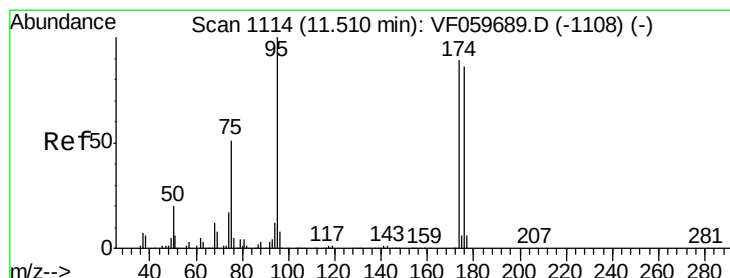
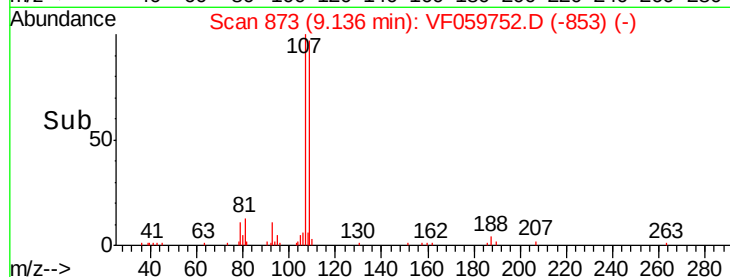
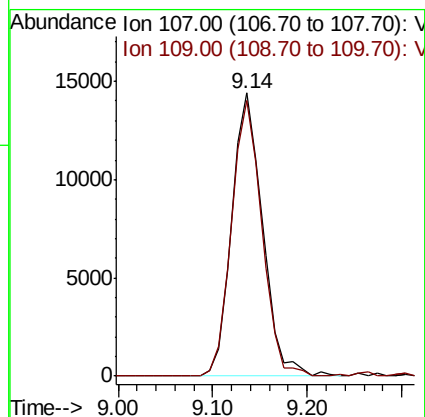
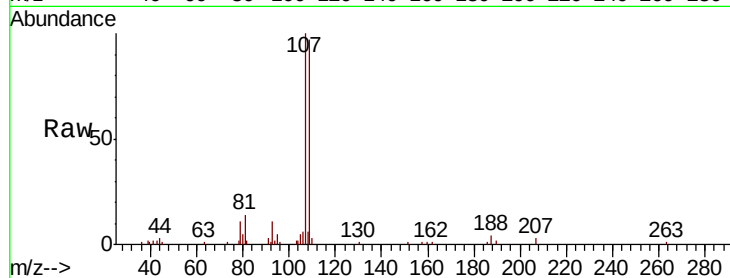
109 97.3 73.6 110.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.88 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

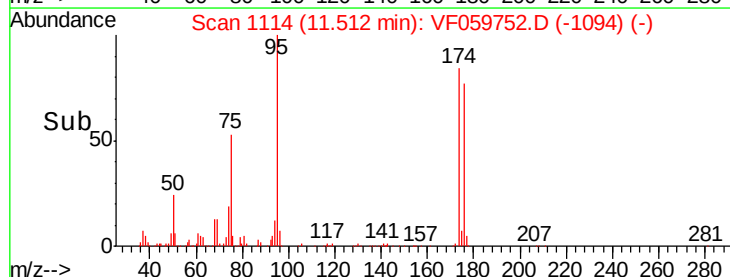
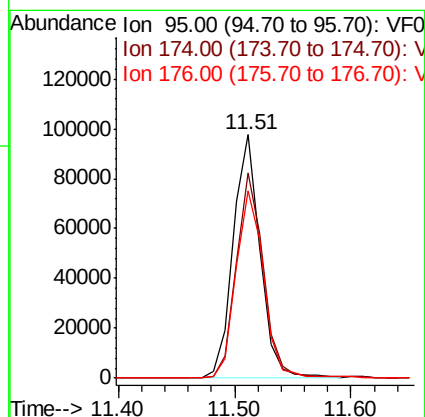
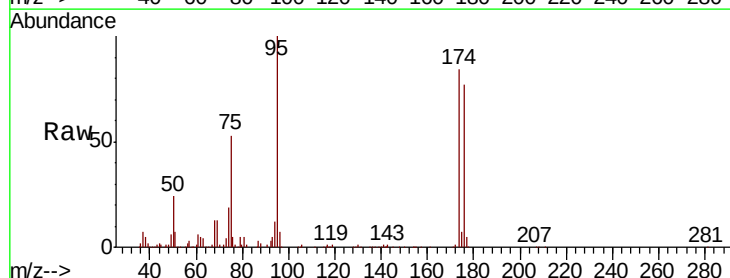
Tgt Ion: 95 Resp: 157050

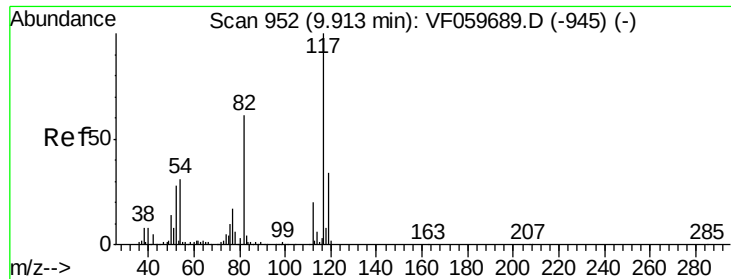
Ion Ratio Lower Upper

95 100

174 84.3 0.0 178.4

176 77.1 0.0 173.0





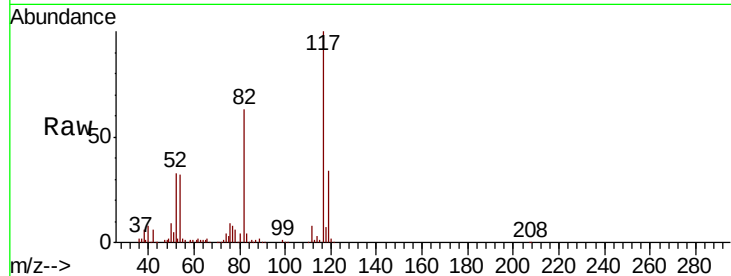
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	226466		
82	63.1	49.0	73.4	
119	33.7	27.3	40.9	

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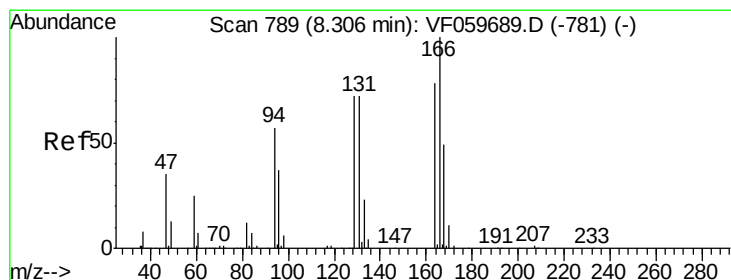
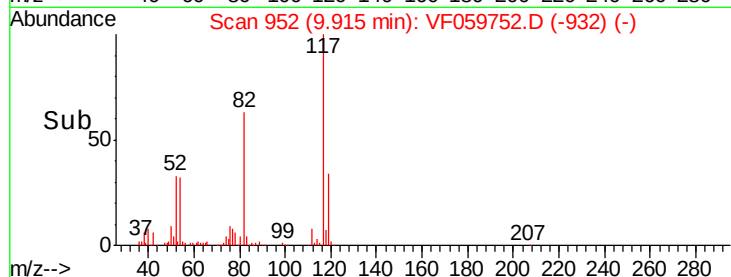
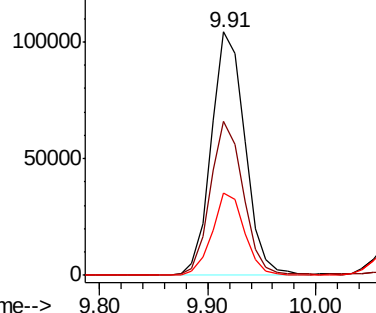


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 26.59 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43818		
166	123.1	102.1	153.1	
129	93.7	73.8	110.6	
131	91.2	73.1	109.7	

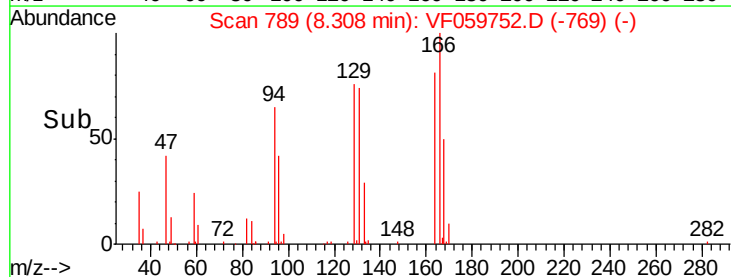
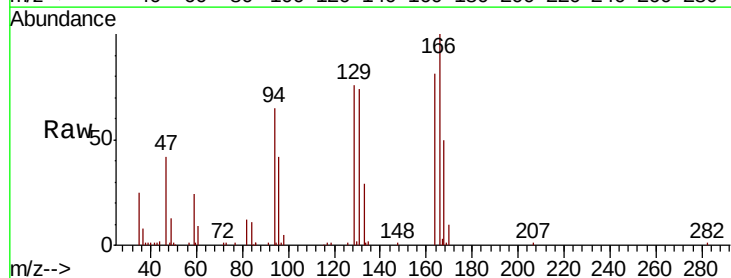
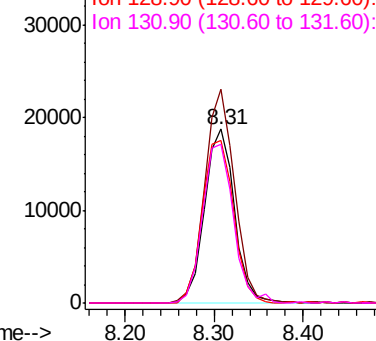
Abundance

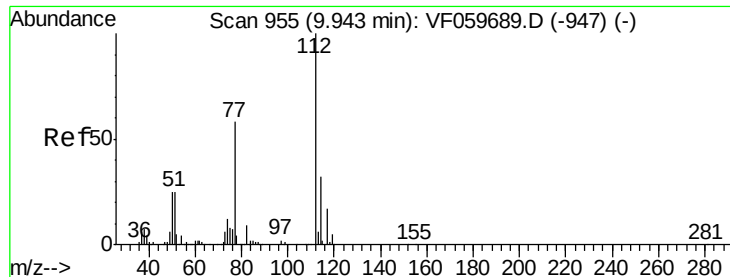
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





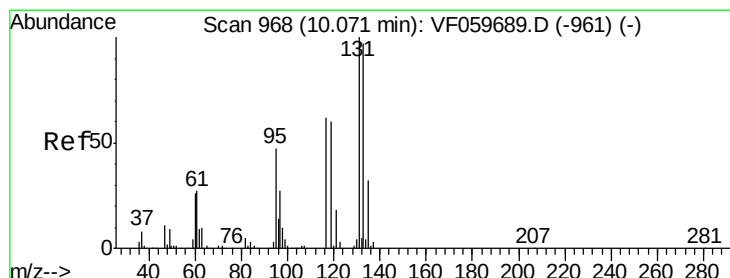
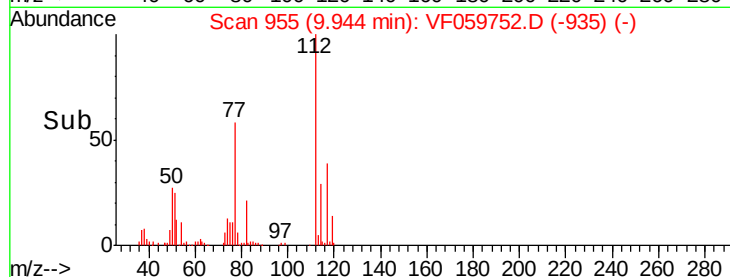
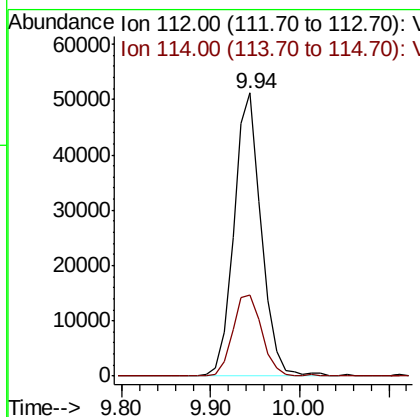
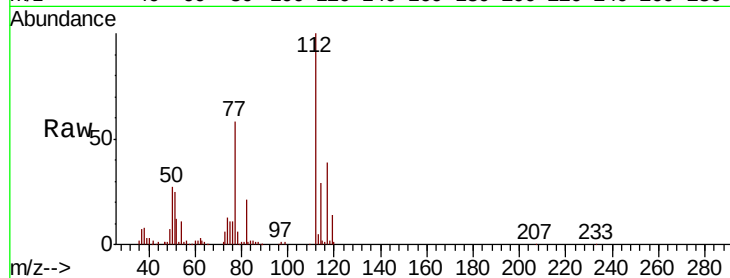
#65
Chlorobenzene
Concen: 24.15 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.5	25.6	38.4

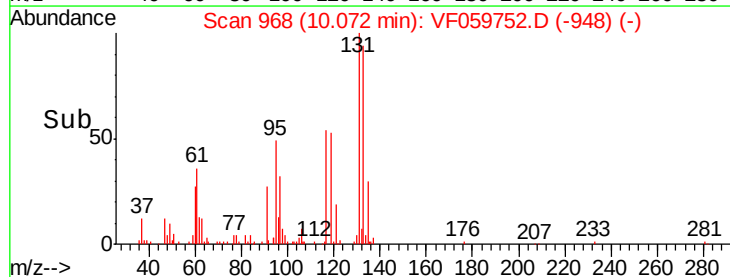
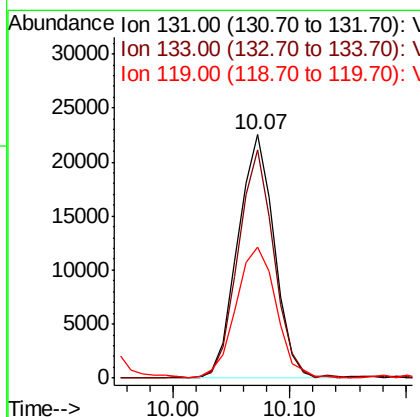
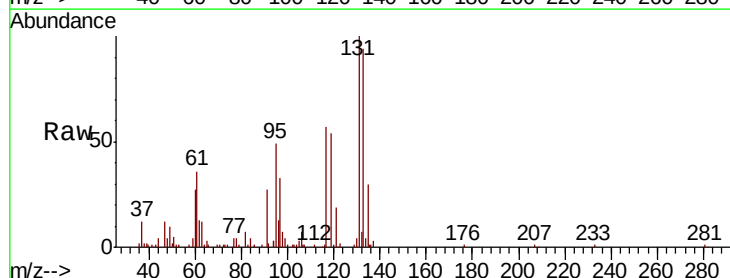
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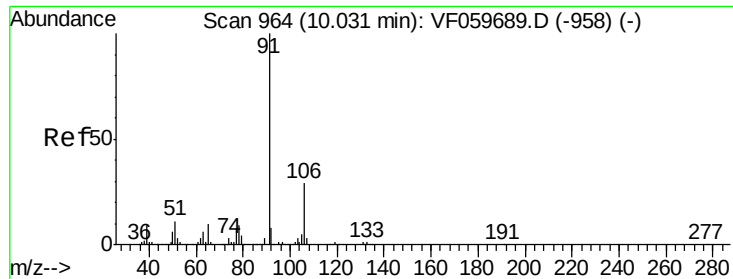
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.09 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.5	145.5
119	53.9	30.3	90.8





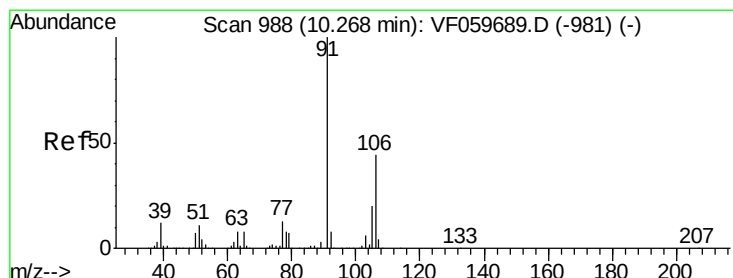
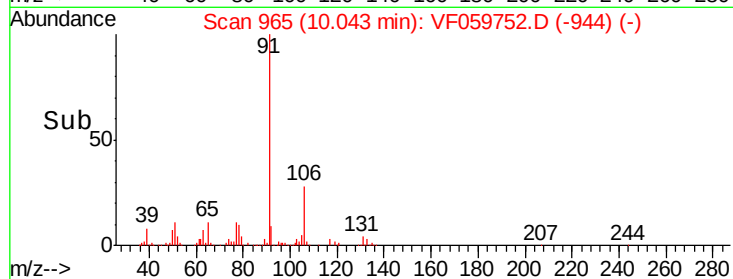
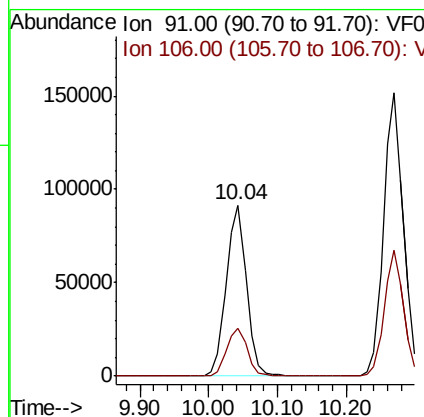
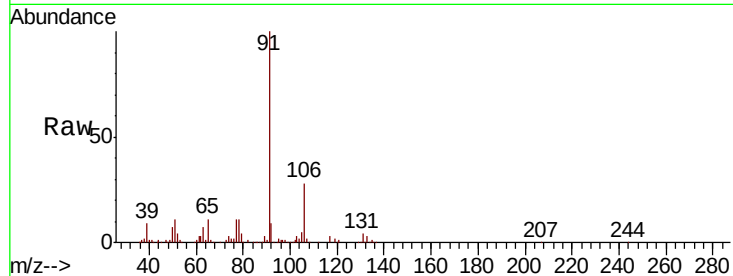
#67
Ethyl Benzene
Concen: 23.88 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion: 91 Resp: 187193
Ion Ratio Lower Upper
91 100
106 27.8 22.9 34.3

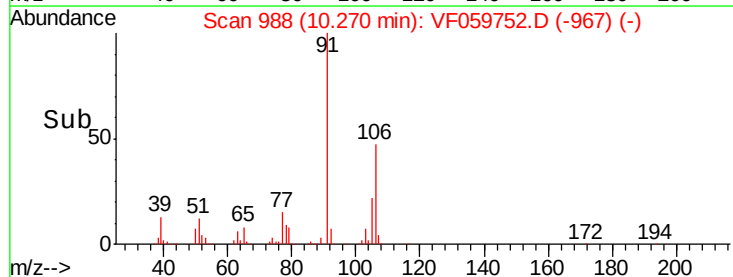
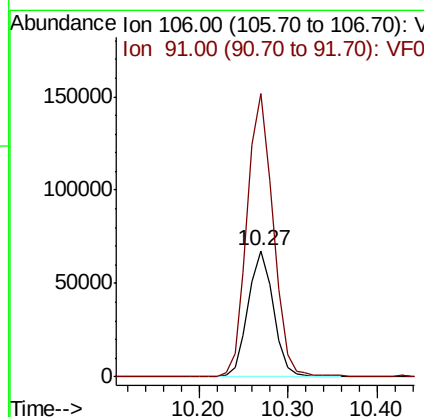
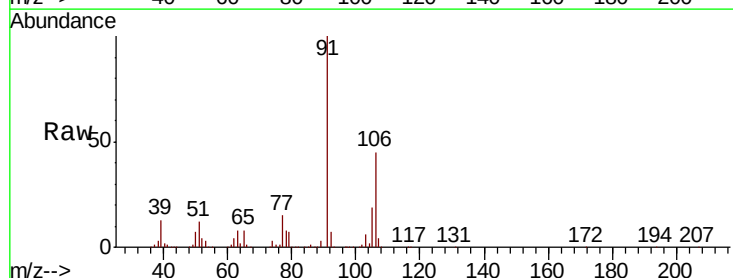
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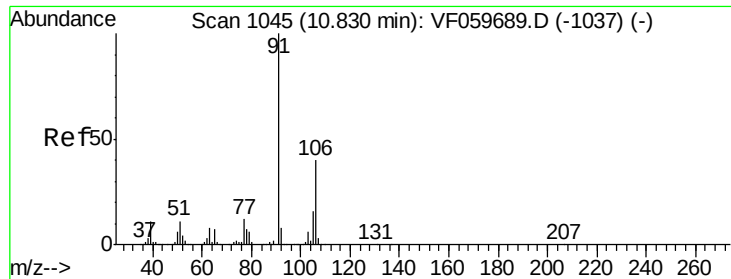
apatel
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#68
m/p-Xylenes
Concen: 50.21 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion:106 Resp: 132569
Ion Ratio Lower Upper
106 100
91 224.2 181.7 272.5





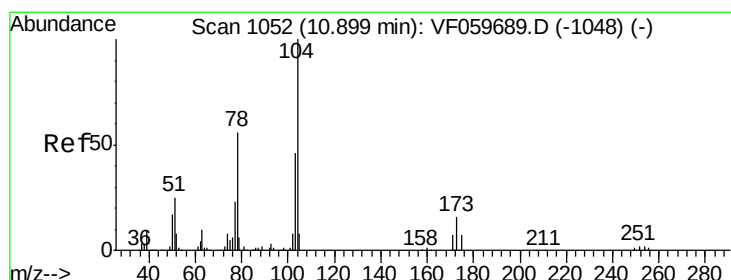
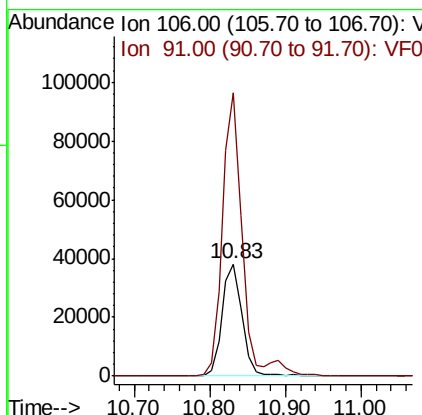
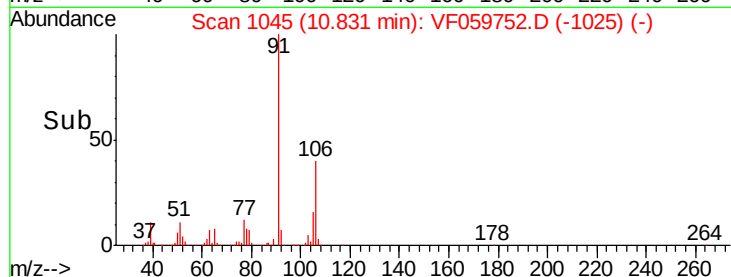
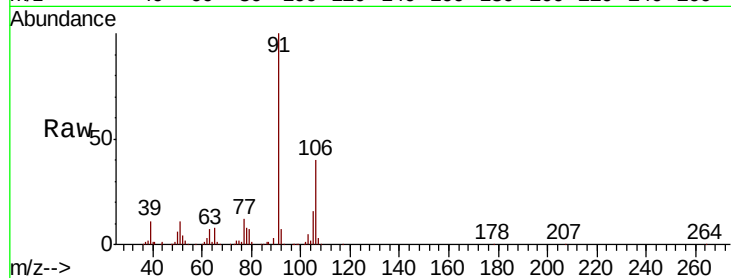
#69
o-Xylene
Concen: 24.42 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

Tot Ion:106 Resp: 70528
Ion Ratio Lower Upper
106 100
91 252.8 124.6 373.7

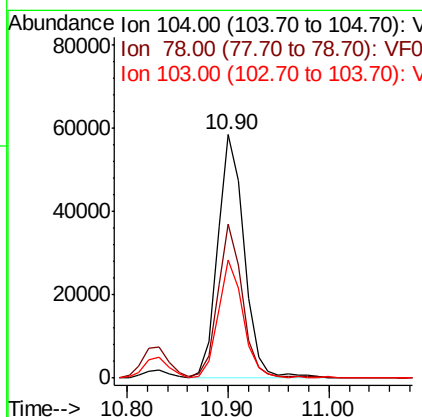
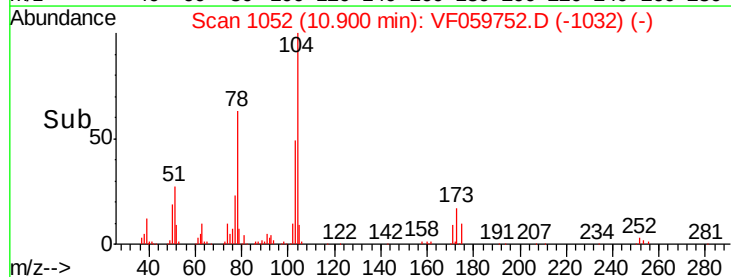
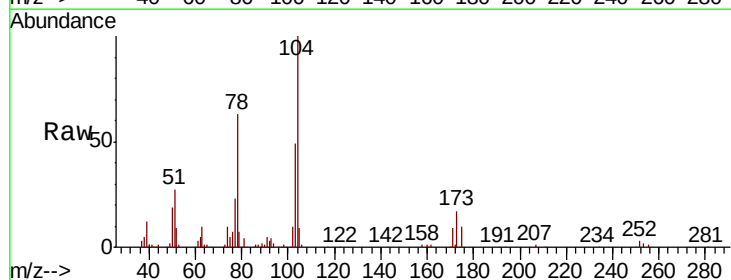
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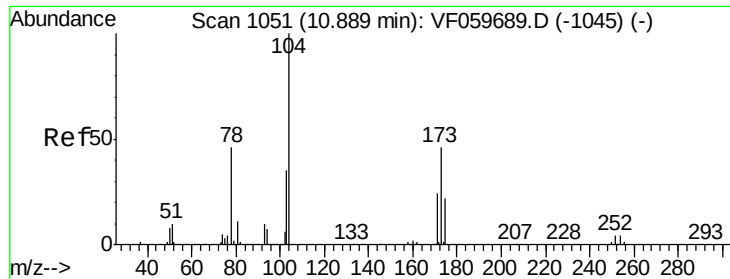
apatel
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#70
Styrene
Concen: 24.35 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion:104 Resp: 106538
Ion Ratio Lower Upper
104 100
78 63.1 45.3 67.9
103 48.6 36.6 54.8





#71

Bromoform

Concen: 23.70 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion:173 Resp: 32660

Ion Ratio Lower Upper

173 100

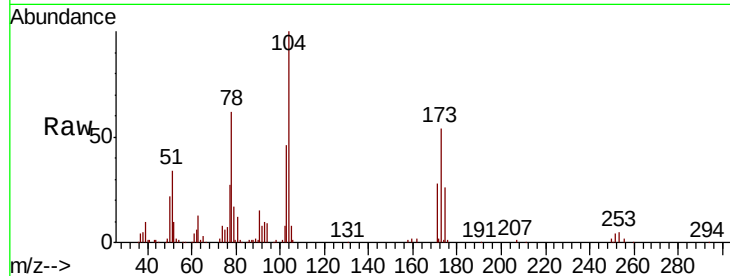
175 48.0 23.4 70.0

254 0.0 0.0 0.0

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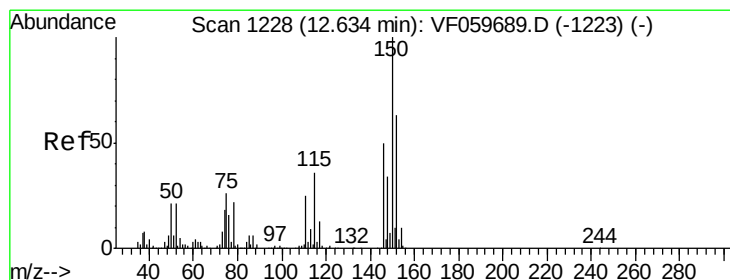
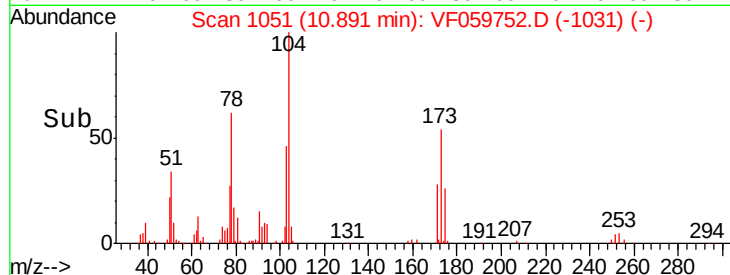
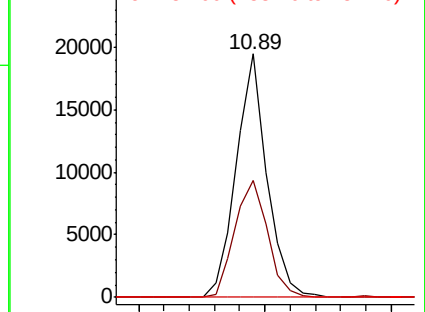


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

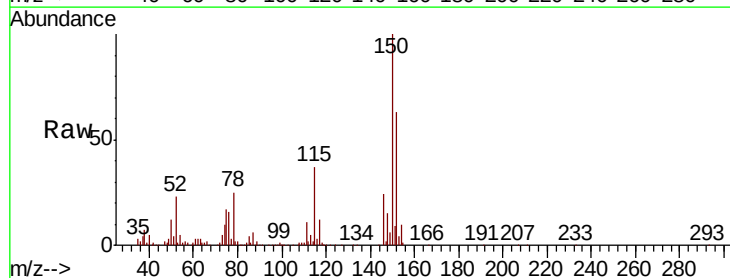
Tgt Ion:152 Resp: 154392

Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.6

150 158.3 0.0 316.2

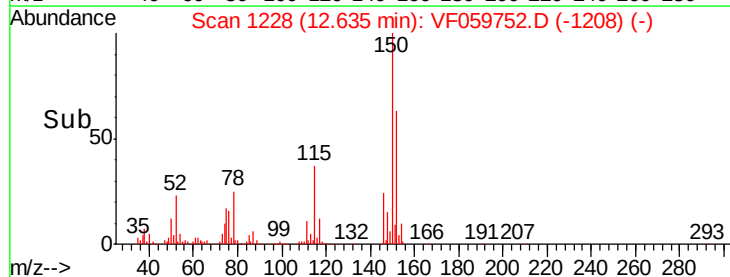
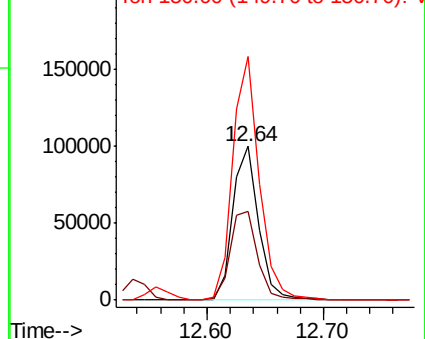


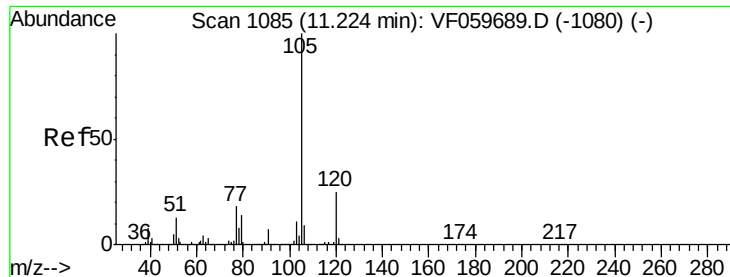
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.14 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 105 Resp: 224259

Ion Ratio Lower Upper

105 100

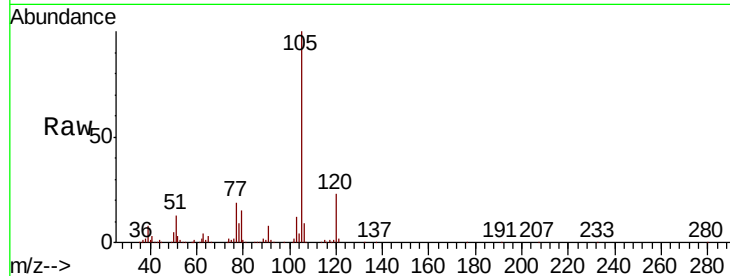
120 22.6 12.4 37.4

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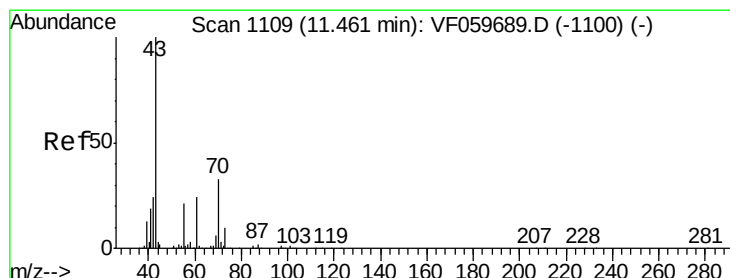
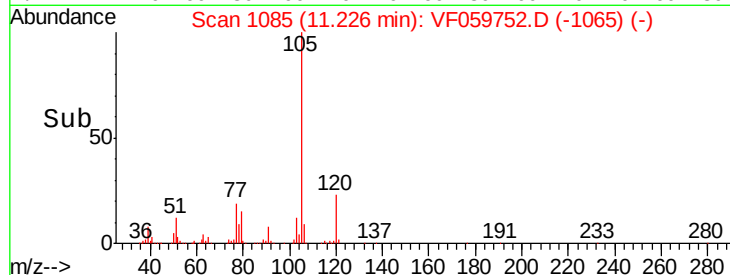
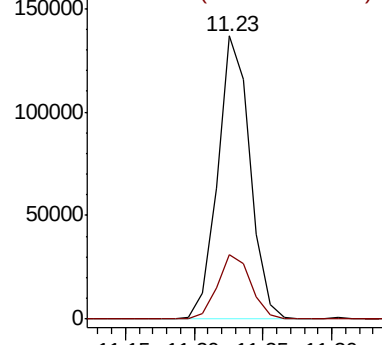
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.57 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion: 43 Resp: 47461

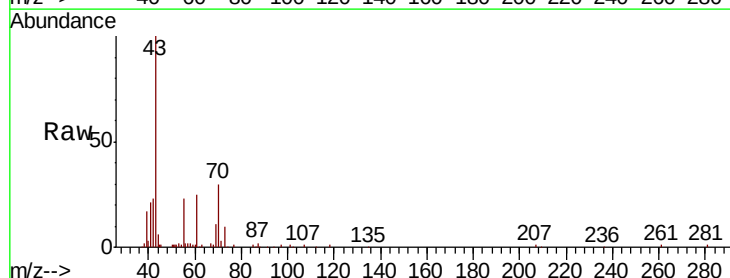
Ion Ratio Lower Upper

43 100

70 30.1 26.3 39.5

55 22.7 16.6 25.0

61 25.3 19.1 28.7

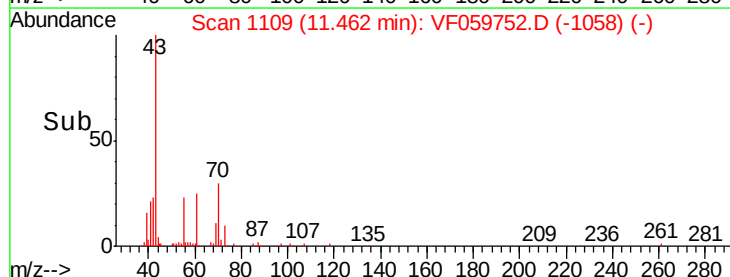
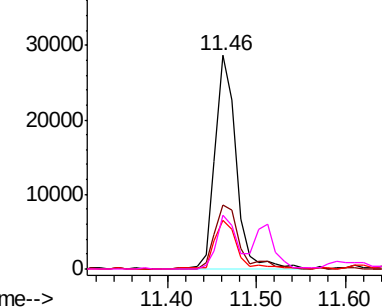


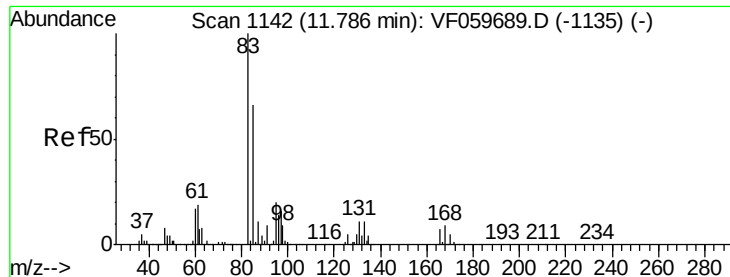
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.35 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

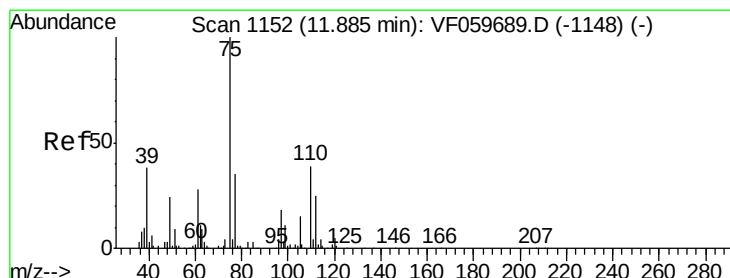
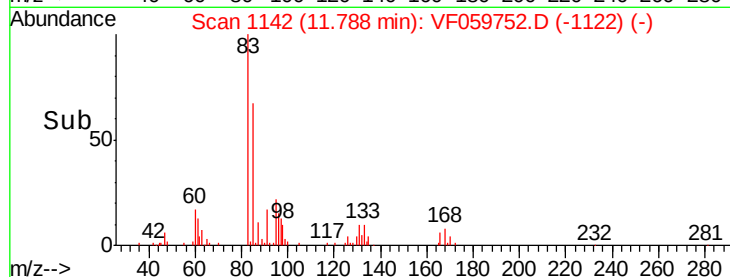
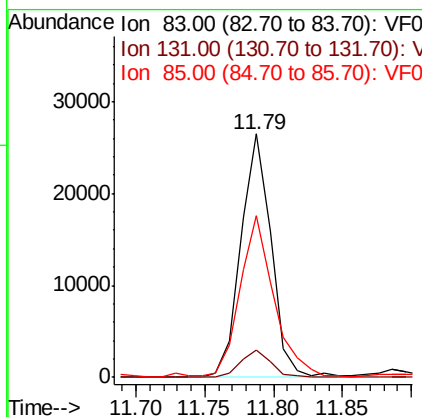
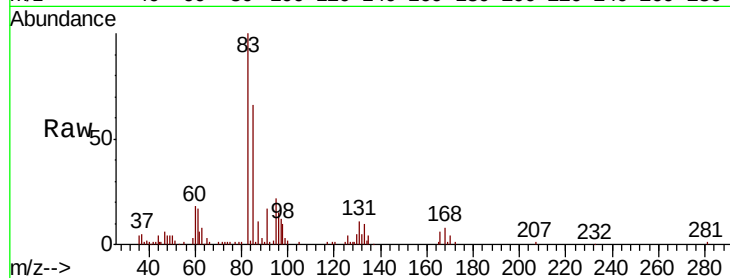
ClientSampleId :

VF0801SBSD01

Tot Ion:	83	Resp:	40712
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.3
85	66.3	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 20.15 ug/l m

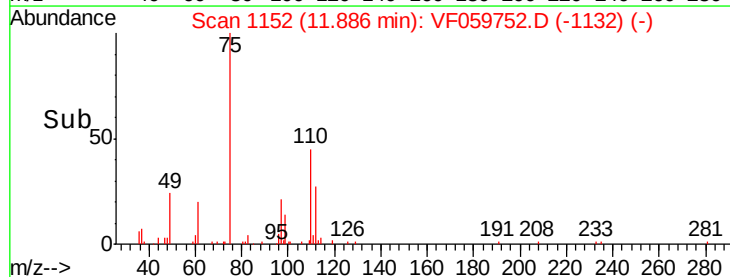
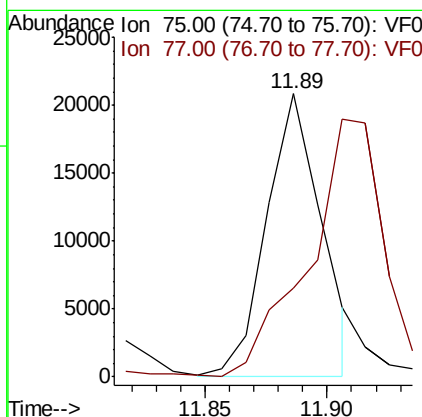
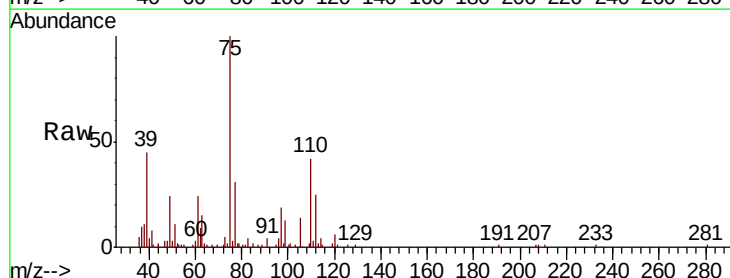
RT: 11.89 min Scan# 1152

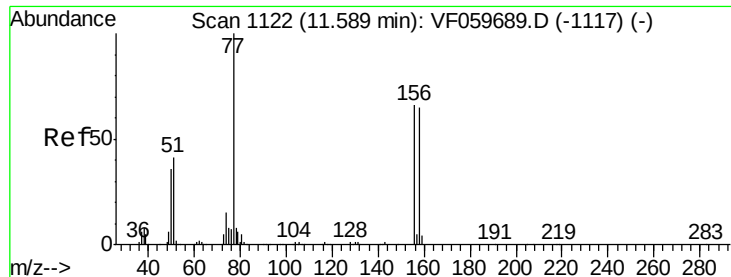
Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	75	Resp:	32670
Ion Ratio	Lower	Upper	
75	100		
77	31.3	18.0	54.0





#77

Bromobenzene

Concen: 28.77 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

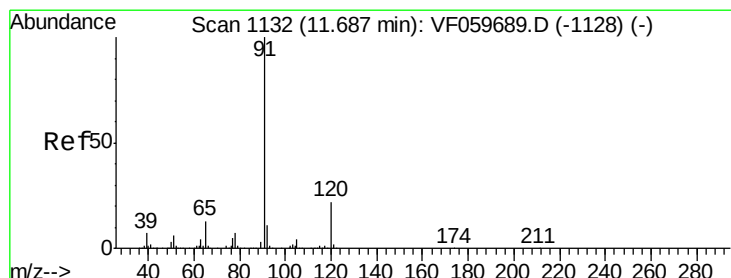
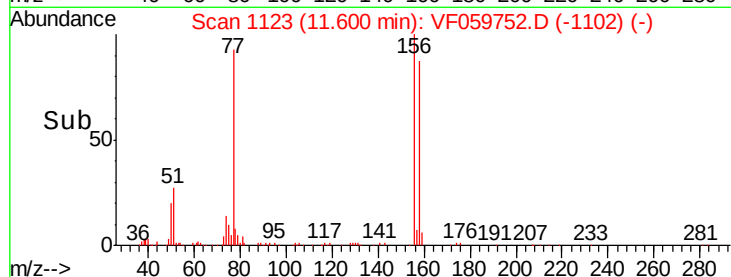
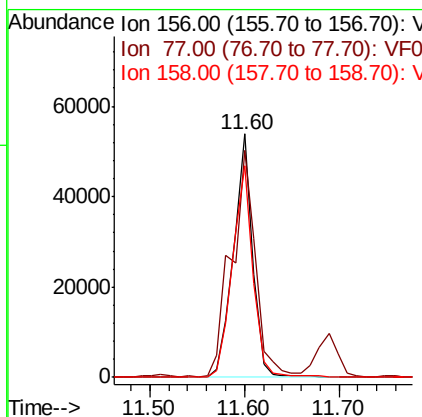
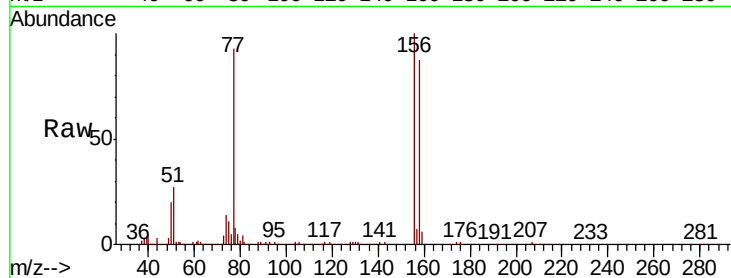
ClientSampleId :

VF0801SBSD01

Tot Ion:	156	Resp:	76097
Ion Ratio	Lower	Upper	
156	100		
77	93.1	75.2	225.6
158	86.7	49.1	147.3

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#78

n-propylbenzene

Concen: 23.55 ug/l

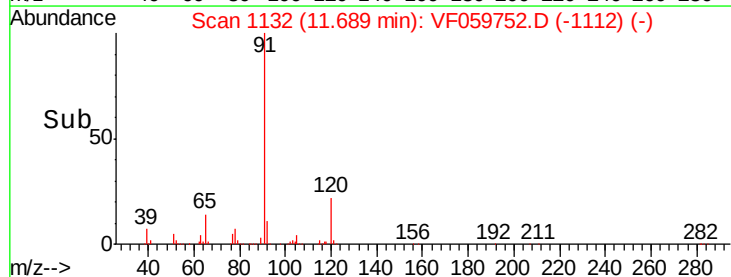
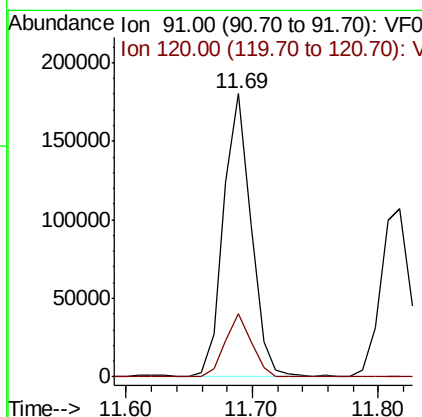
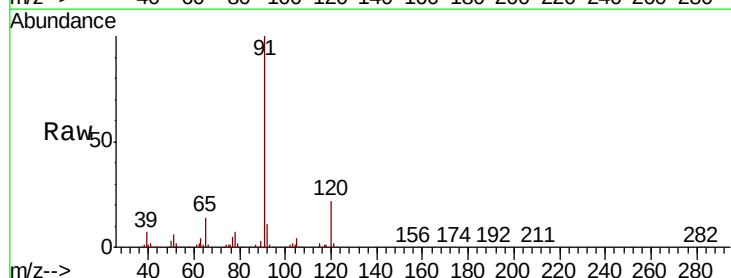
RT: 11.69 min Scan# 1132

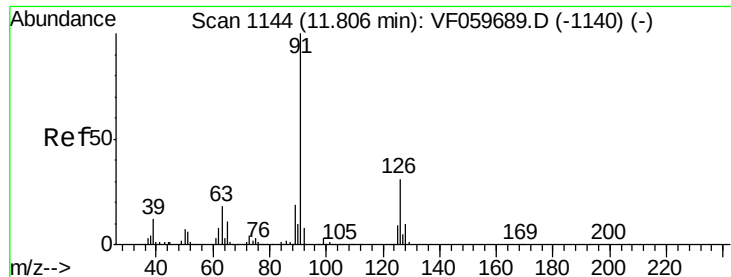
Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Tgt Ion:	91	Resp:	272045
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.0	33.0





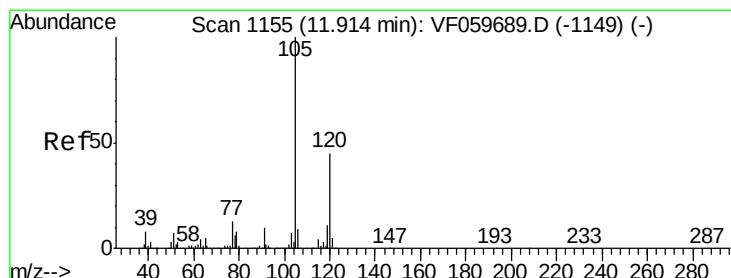
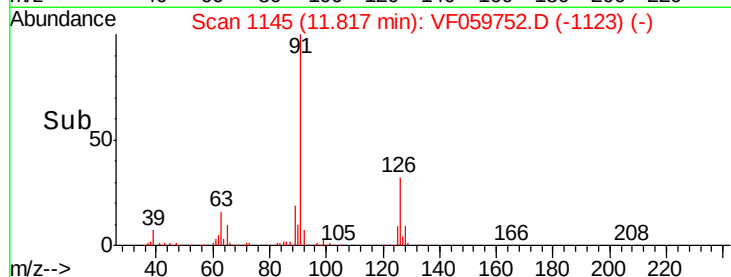
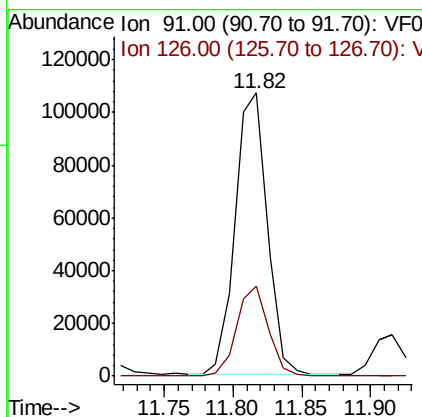
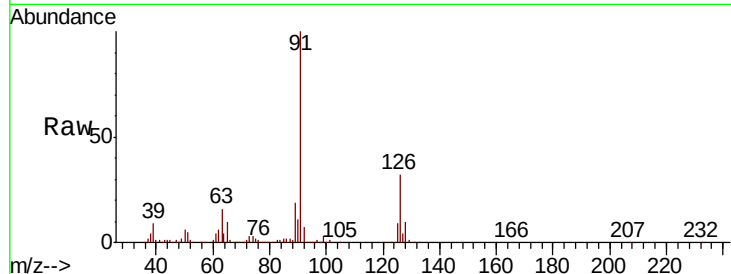
#79
 2-Chlorotoluene
 Concen: 24.41 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion: 91 Resp: 174184
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.4 46.2

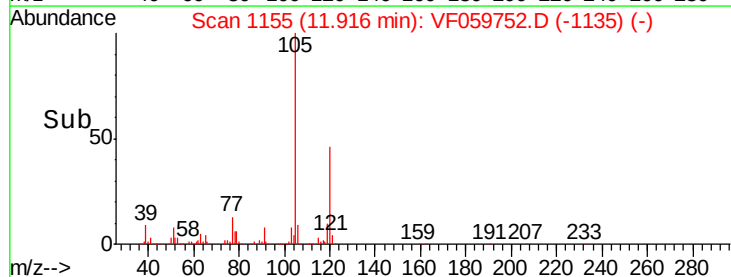
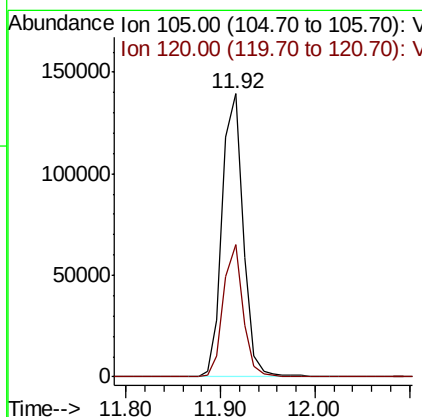
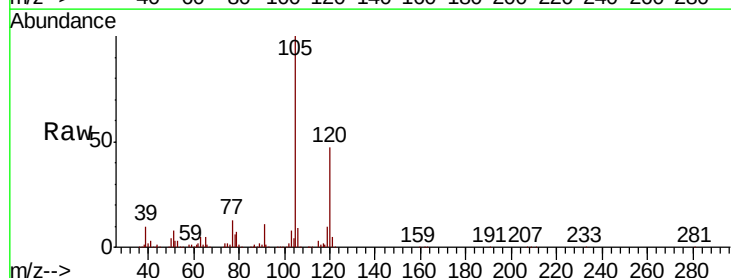
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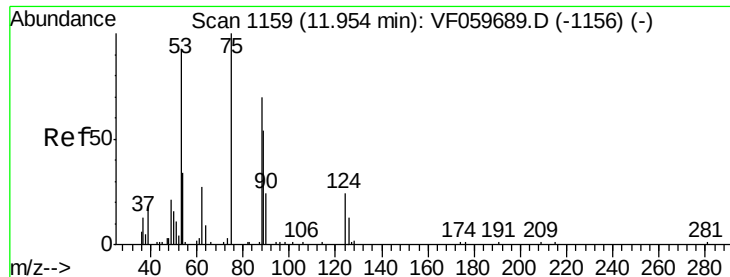
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.34 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion: 105 Resp: 215617
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.21 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion: 75 Resp: 13569

Ion Ratio Lower Upper

75 100

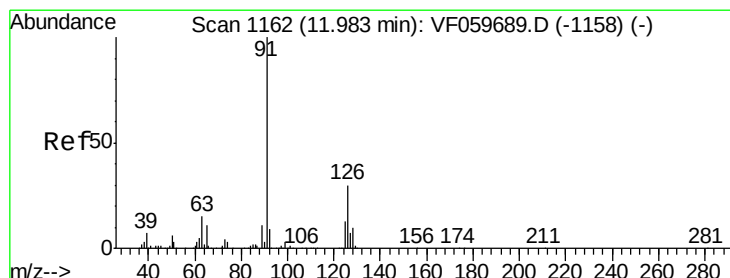
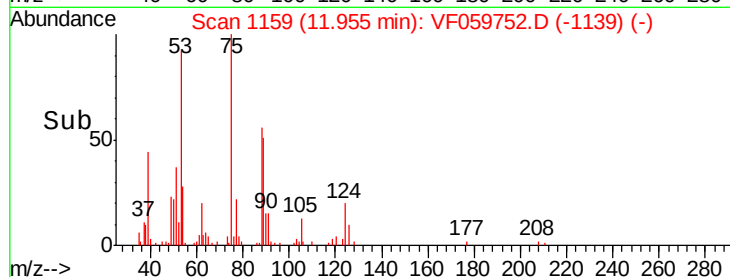
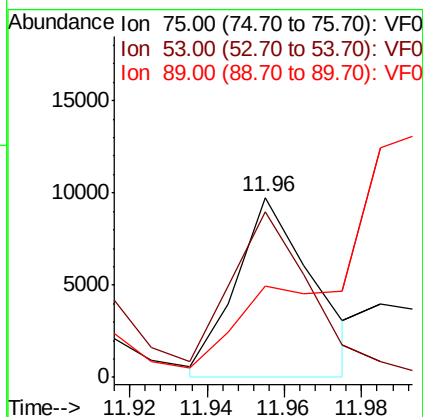
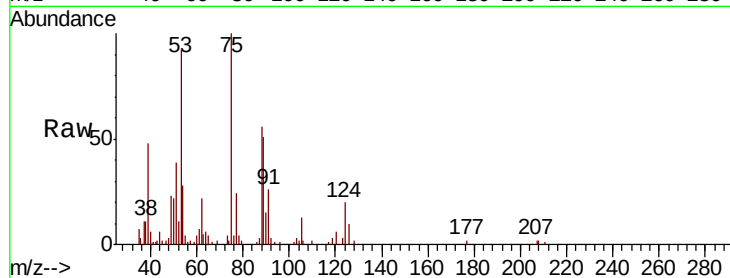
53 91.9 78.3 117.5

89 50.7 45.4 68.2

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#82

4-Chlorotoluene

Concen: 23.34 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059752.D

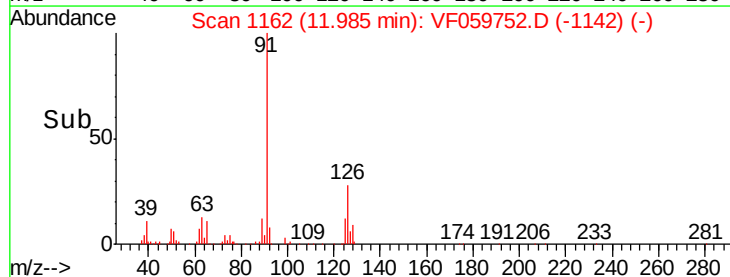
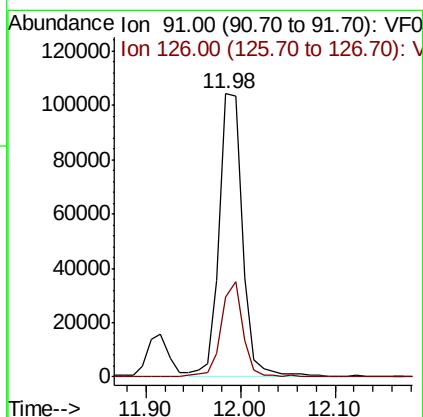
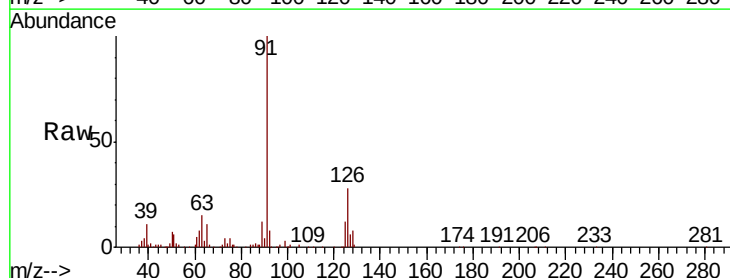
Acq: 1 Aug 2018 13:48

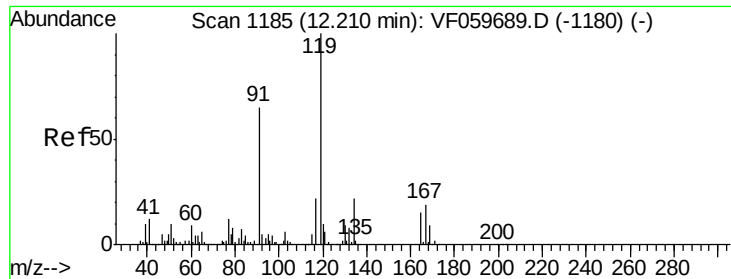
Tgt Ion: 91 Resp: 177840

Ion Ratio Lower Upper

91 100

126 28.0 15.2 45.6





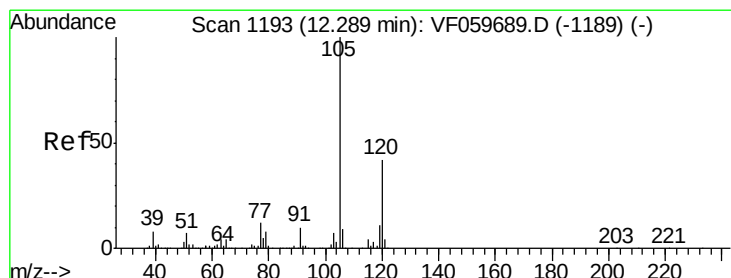
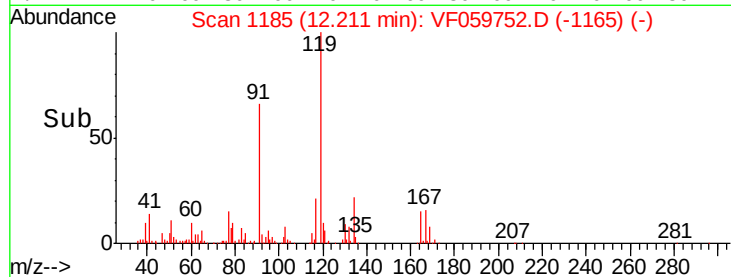
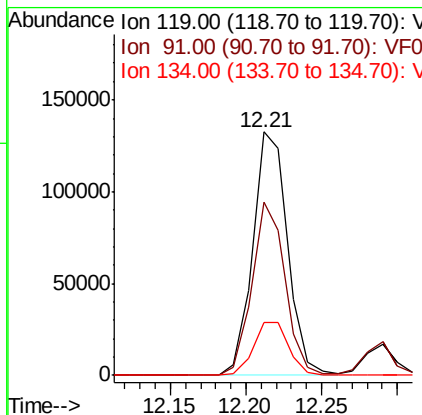
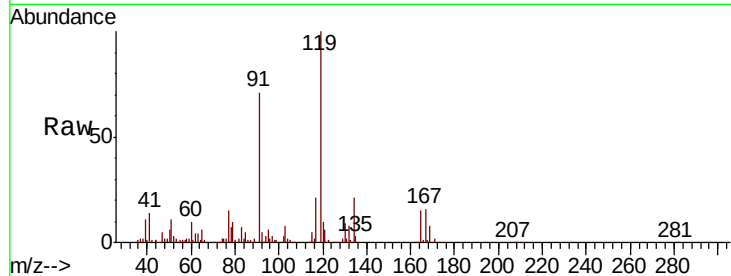
#83
 tert-Butylbenzene
 Concen: 23.40 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	212800		
91	71.1	32.8	98.4	
134	21.5	10.9	32.7	

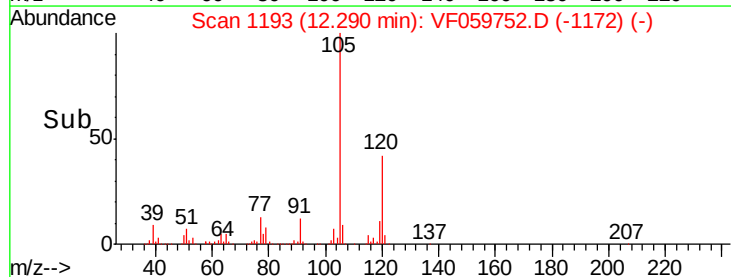
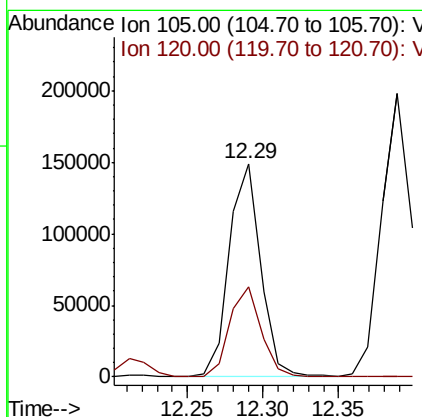
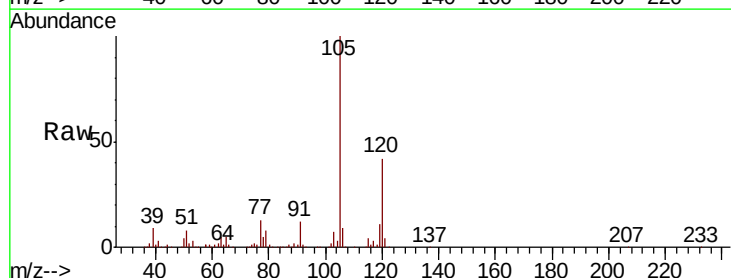
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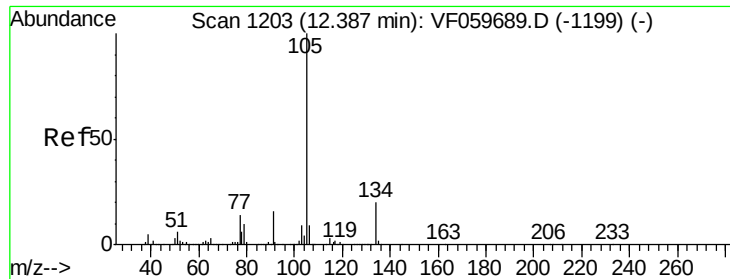
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.11 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215688		
120	42.3	21.1	63.3	





#85

sec-Butylbenzene

Concen: 24.37 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD01

Tot Ion:105 Resp: 280725

Ion Ratio Lower Upper

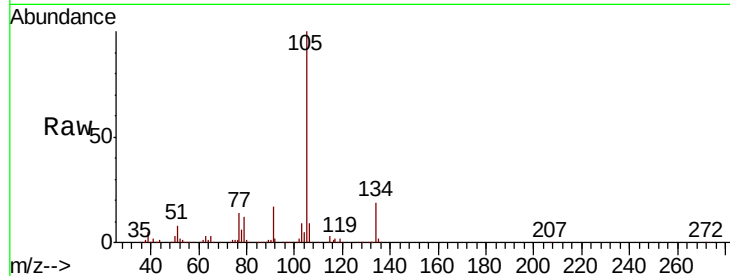
105 100

134 18.8 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

50000

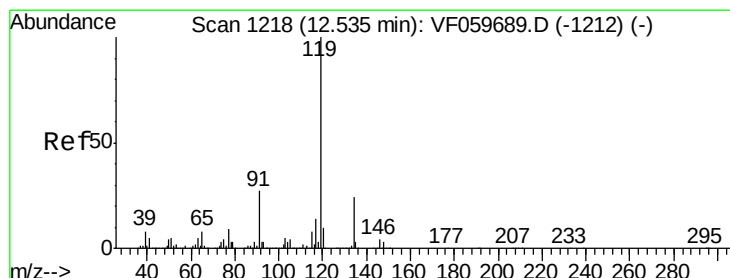
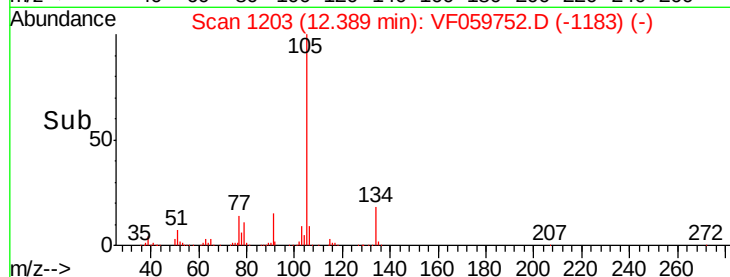
0

12.30

12.40

12.50

Time-->



#86

p-Isopropyltoluene

Concen: 23.27 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059752.D

Acq: 1 Aug 2018 13:48

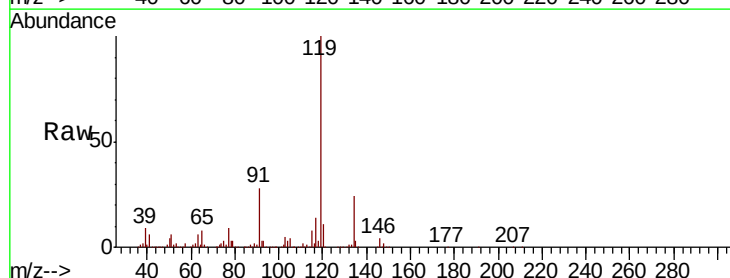
Tgt Ion:119 Resp: 236882

Ion Ratio Lower Upper

119 100

134 23.6 12.2 36.6

91 28.4 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

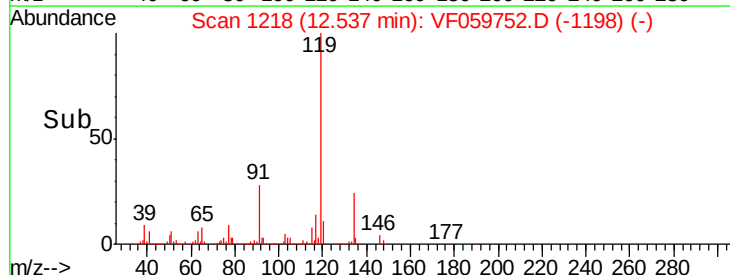
50000

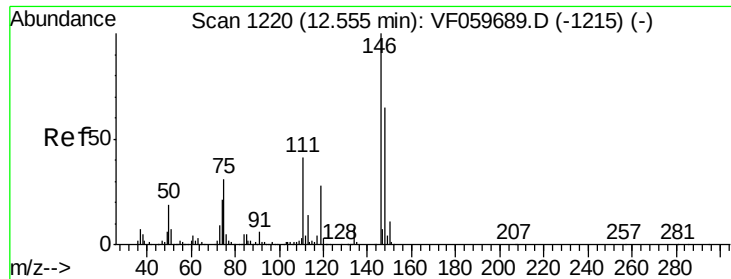
0

12.50

12.60

Time-->





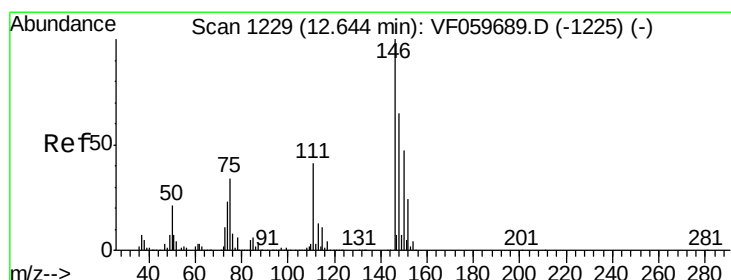
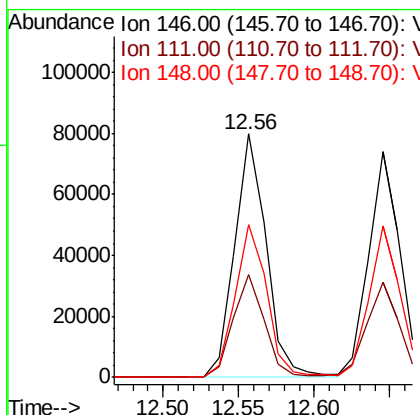
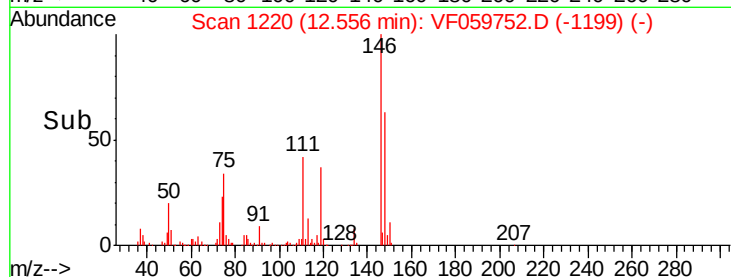
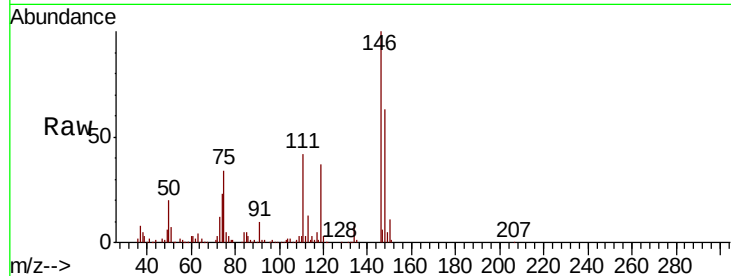
#87
 1,3-Dichlorobenzene
 Concen: 23.74 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	62.8	32.3	96.8

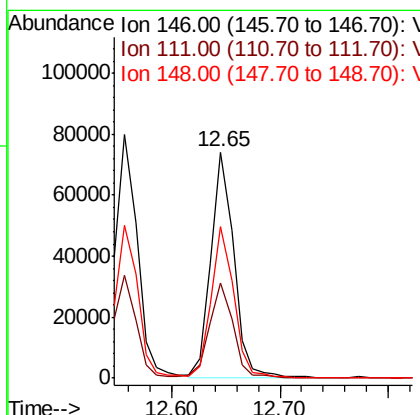
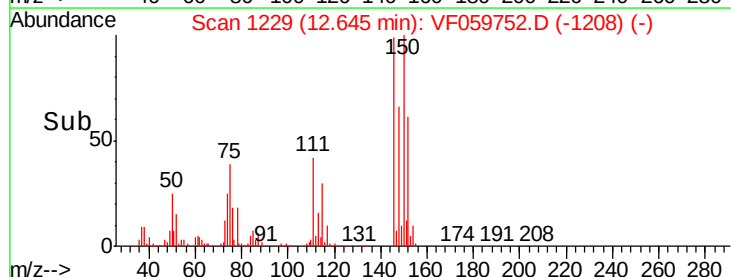
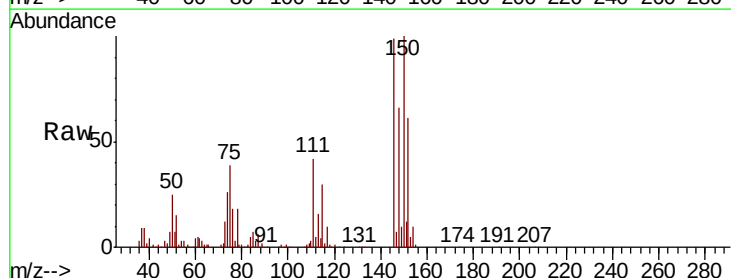
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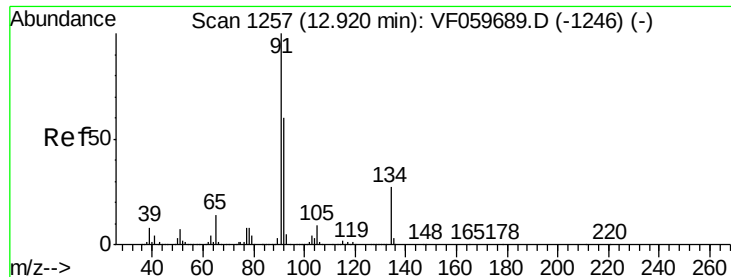
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#88
 1,4-Dichlorobenzene
 Concen: 22.88 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	66.9	32.3	96.9





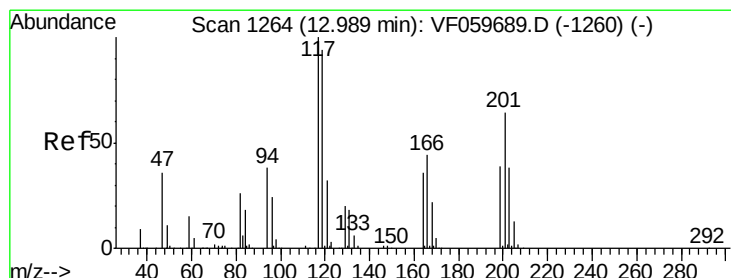
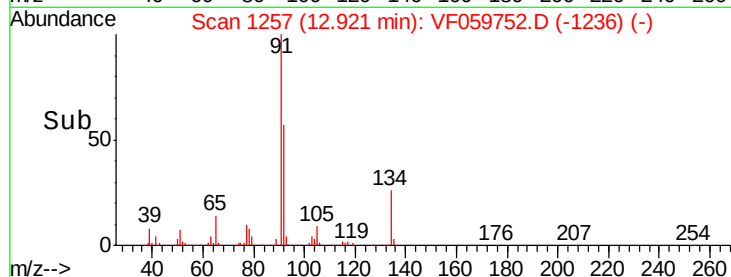
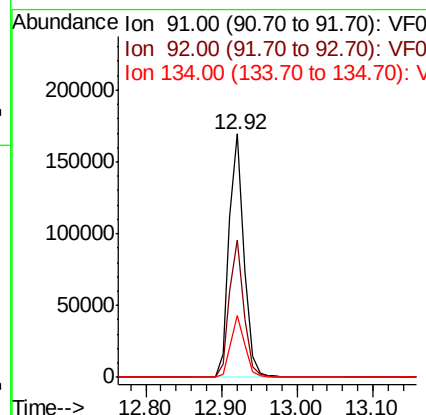
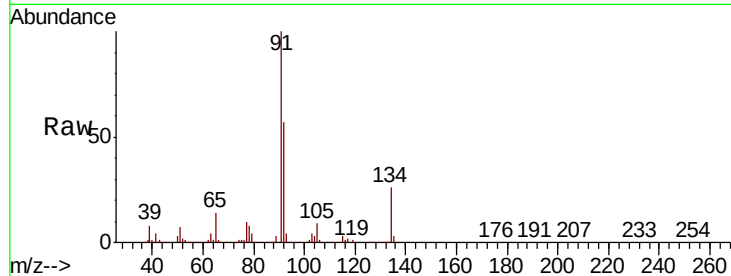
#89
n-Butylbenzene
Concen: 24.25 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	232976		
92	56.6		30.1	90.3
134	25.6		13.7	41.0

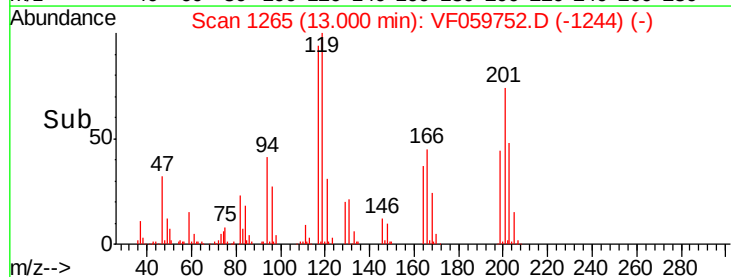
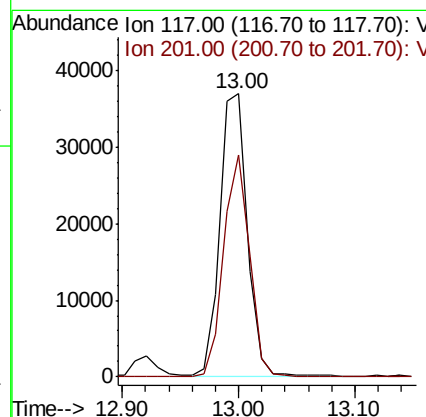
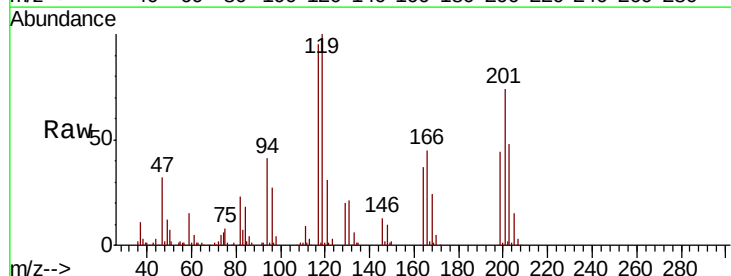
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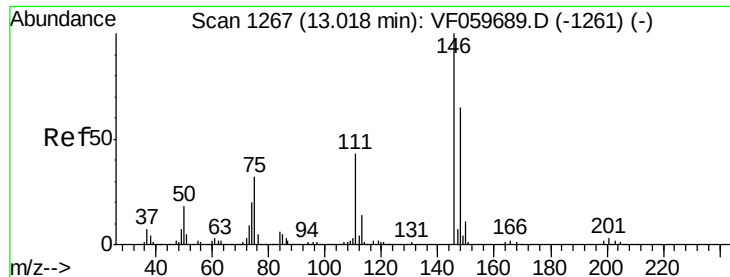
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#90
Hexachloroethane
Concen: 23.72 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60614		
201	78.2		31.9	95.5





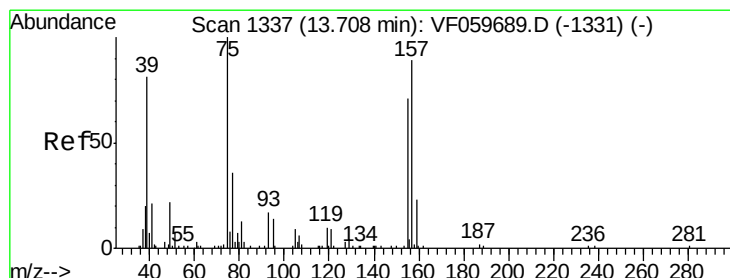
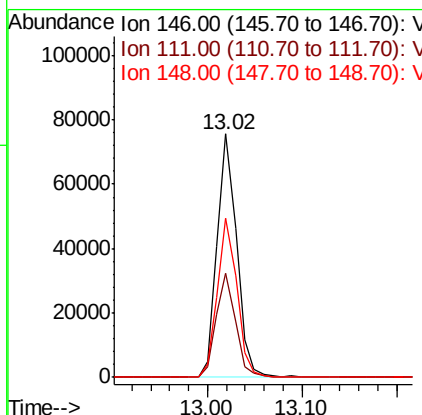
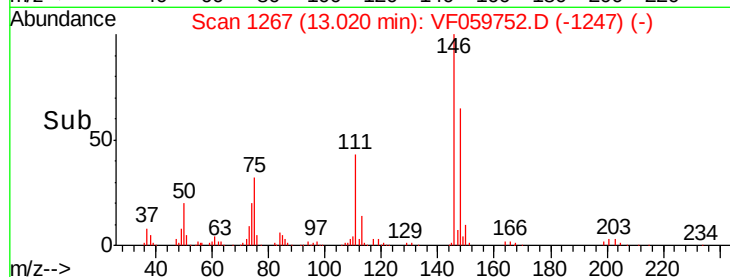
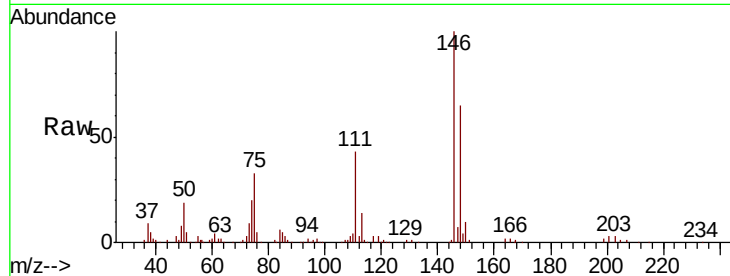
#91
 1,2-Dichlorobenzene
 Concen: 23.53 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	65.0
148	65.3	32.3	96.9

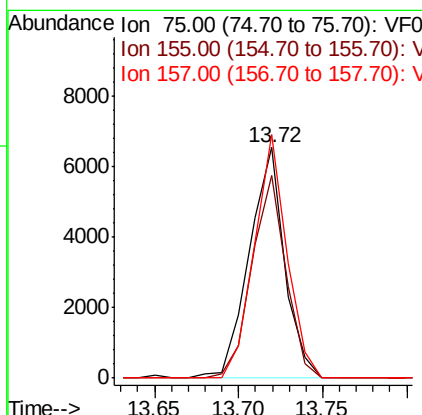
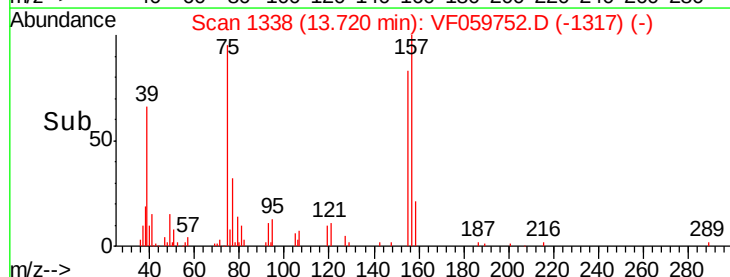
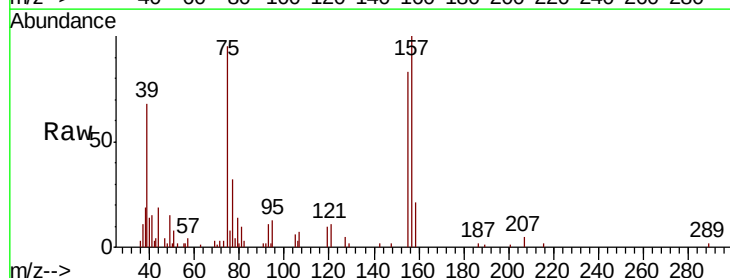
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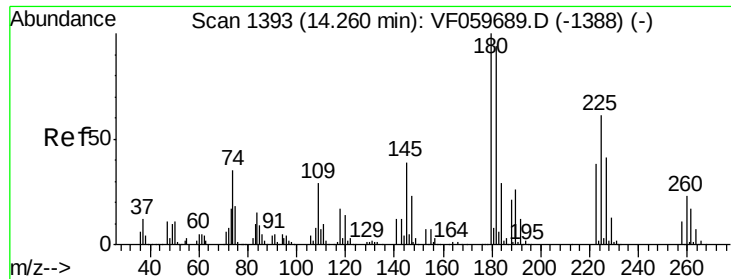
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.36 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059752.D
 Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	35.4	106.2
157	105.6	44.4	133.2





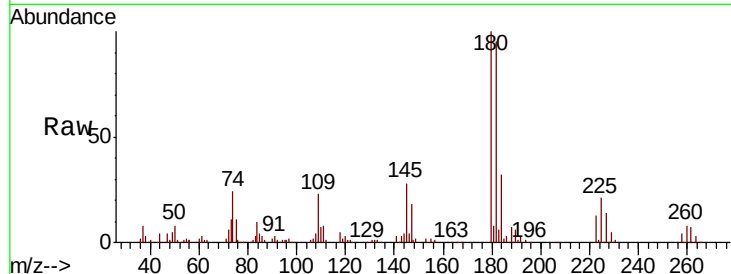
#93
1,2,4-Trichlorobenzene
Concen: 23.34 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD01

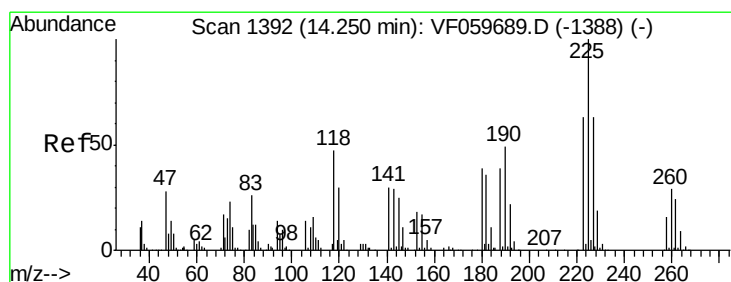
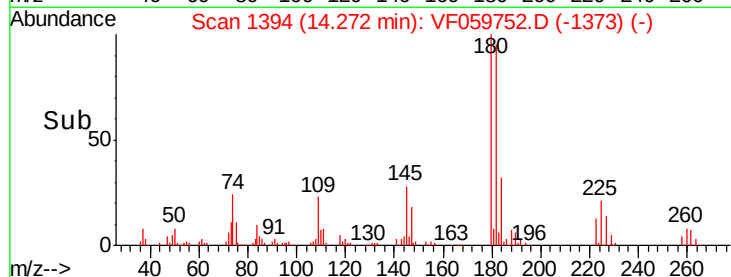
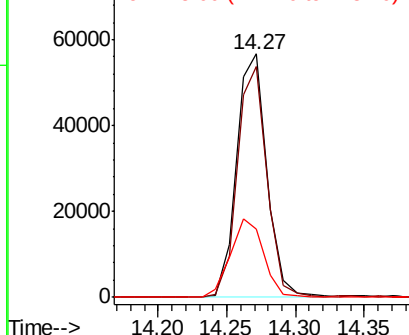
Tot Ion	Ratio	Resp	Lower	Upper
180	100	87073		
182	94.8	47.2	141.6	
145	28.2	19.3	57.9	

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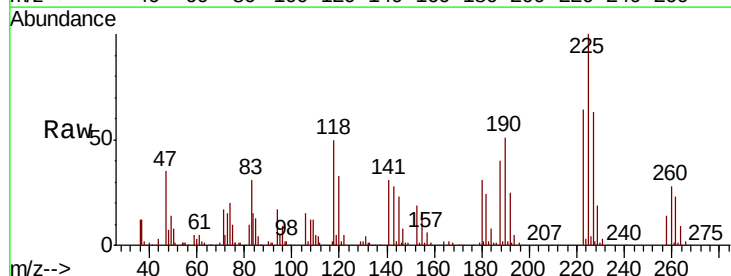


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

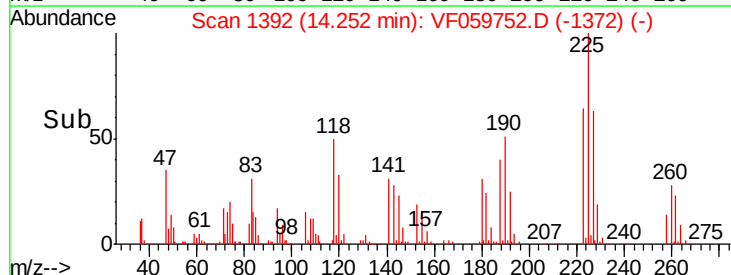
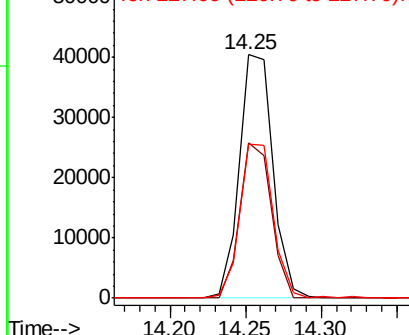


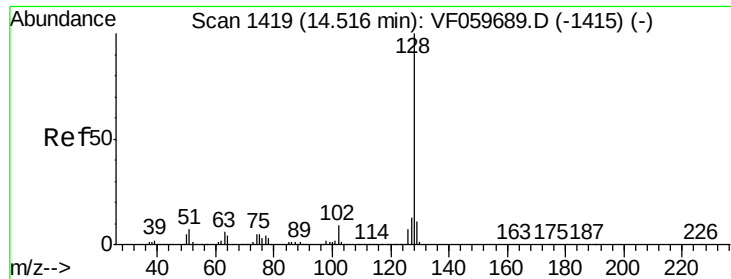
#94
Hexachlorobutadiene
Concen: 24.56 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62196		
223	64.0	31.4	94.2	
227	63.2	31.5	94.5	



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





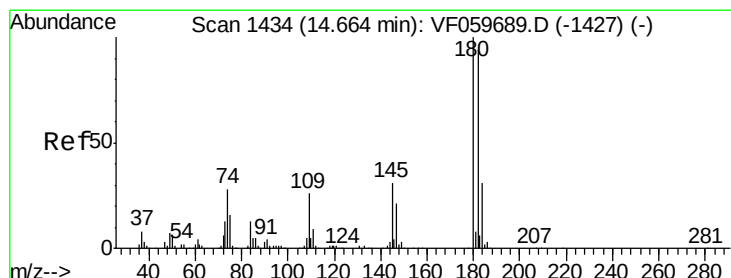
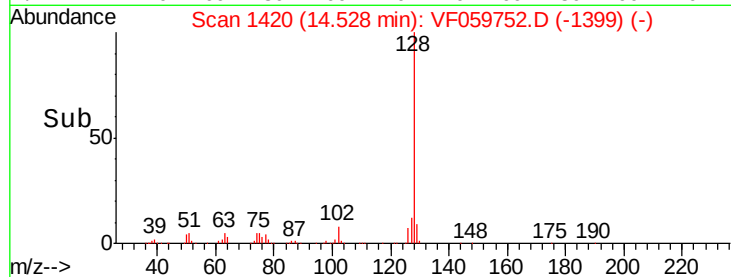
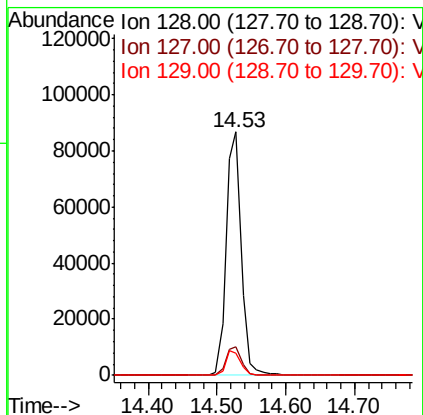
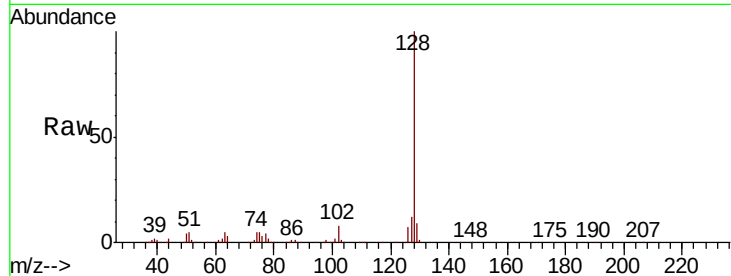
#95
Naphthalene
Concen: 19.82 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	131951		
127	11.6	10.0	15.0	
129	9.0	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/2/2018 10:25:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.70 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059752.D
Acq: 1 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79854		
182	102.5	47.2	141.6	
145	36.3	15.6	46.7	

