

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059357.D
 Acq On : 28 Jun 2018 13:41
 Operator : VA/AP
 Sample : VF0628SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Manual Integrations
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apatel
 6/29/2018 11:27:16 AM

Quant Time: Jun 29 04:42:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	267845	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	414902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	414946	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	257050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	157895	45.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.26%	
35) Dibromofluoromethane	4.30	113	138629	45.73	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.46%	
50) Toluene-d8	7.72	98	351443	46.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.51	95	199172	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	52245	21.35	ug/l	88
3) Chloromethane	1.08	50	33202	20.20	ug/l	100
4) Vinyl Chloride	1.15	62	33739	20.85	ug/l	95
5) Bromomethane	1.34	94	24796	25.08	ug/l	94
6) Chloroethane	1.43	64	19300	23.68	ug/l #	86
7) Trichlorofluoromethane	1.49	101	71578m	22.37	ug/l	
8) Diethyl Ether	1.70	74	15670	19.10	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41229	22.07	ug/l	96
10) Methyl Iodide	1.97	142	73379	21.54	ug/l	94
11) Tert butyl alcohol	2.69	59	21597	93.75	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	33571	21.26	ug/l	95
13) Acrolein	2.09	56	12633	103.69	ug/l	82
14) Allyl chloride	2.19	41	62019	20.92	ug/l	97
15) Acrylonitrile	3.07	53	39896	98.34	ug/l	95
16) Acetone	2.34	43	96517	105.79	ug/l	95
17) Carbon Disulfide	1.87	76	75104	20.22	ug/l	95
18) Methyl Acetate	2.45	43	27950	17.13	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	121987	20.71	ug/l	100
20) Methylene Chloride	2.27	84	38930m	14.87	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35517	21.08	ug/l	93
22) Diisopropyl ether	2.92	45	139875	21.31	ug/l	99
23) Vinyl Acetate	3.34	43	436982	104.53	ug/l	100
24) 1,1-Dichloroethane	3.00	63	87733	21.56	ug/l	98
25) 2-Butanone	4.51	43	114792	108.10	ug/l	99
26) 2,2-Dichloropropane	3.76	77	66290	23.62	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	55160	21.57	ug/l	96
28) Bromochloromethane	3.89	49	37827	21.81	ug/l	95
29) Tetrahydrofuran	4.26	42	47548	101.57	ug/l	96
30) Chloroform	4.04	83	121959	20.70	ug/l	95
31) Cyclohexane	3.86	56	54210	20.33	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	95935	22.25	ug/l	96
36) 1,1-Dichloropropene	4.46	75	74539	20.57	ug/l	98
37) Ethyl Acetate	4.30	43	49513	20.48	ug/l	85
38) Carbon Tetrachloride	4.17	117	101909m	22.28	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	68632	21.37	ug/l	92
40) Benzene	4.81	78	163709	20.37	ug/l	98
41) Methacrylonitrile	4.93	41	22036	17.82	ug/l	94
42) 1,2-Dichloroethane	5.12	62	95431	20.32	ug/l	99
43) Isopropyl Acetate	7.11	43	60859	20.16	ug/l #	99
44) Trichloroethene	5.68	130	57920	21.01	ug/l	98
45) 1,2-Dichloropropane	6.40	63	48529	21.14	ug/l	99
46) Dibromomethane	6.26	93	40685	20.42	ug/l	88
47) Bromodichloromethane	6.55	83	97845	20.28	ug/l	100
48) Methyl methacrylate	6.88	41	36961	18.27	ug/l	92
49) 1,4-Dioxane	6.87	88	4208	362.65	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	220363	98.52	ug/l	99
52) Toluene	7.78	92	124287	20.67	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	91486	20.81	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	94963	19.88	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	48734	20.87	ug/l	91
56) Ethyl methacrylate	8.76	69	55678	19.25	ug/l	93
57) 1,3-Dichloropropane	9.01	76	84726	21.16	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	23365	107.71	ug/l	100
59) 2-Hexanone	9.63	43	194189	105.82	ug/l	96
60) Dibromochloromethane	8.87	129	74392	20.64	ug/l	95
61) 1,2-Dibromoethane	9.13	107	56769	20.05	ug/l	100
64) Tetrachloroethene	8.31	164	57021	21.19	ug/l	90
65) Chlorobenzene	9.94	112	157559	20.49	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	69647	20.94	ug/l	92
67) Ethyl Benzene	10.04	91	292421	22.42	ug/l	99
68) m/p-Xylenes	10.27	106	211466	45.55	ug/l	99
69) o-Xylene	10.83	106	114067	21.97	ug/l	99
70) Styrene	10.90	104	173347	21.91	ug/l	99
71) Bromoform	10.89	173	44834	19.67	ug/l	98
73) Isopropylbenzene	11.23	105	336458	22.47	ug/l	97
74) N-amyl acetate	11.46	43	110462	20.33	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	76371	20.19	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	58427	20.48	ug/l	95
77) Bromobenzene	11.60	156	84317	20.29	ug/l	84
78) n-propylbenzene	11.69	91	396973	22.07	ug/l	95
79) 2-Chlorotoluene	11.82	91	237134	21.58	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	288415	21.99	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	34529	20.34	ug/l	88
82) 4-Chlorotoluene	11.99	91	253845	21.57	ug/l	95
83) tert-Butylbenzene	12.22	119	298270	22.73	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	302824	21.92	ug/l	98
85) sec-Butylbenzene	12.39	105	389961	22.42	ug/l	96
86) p-Isopropyltoluene	12.54	119	329598	22.58	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	163591	21.20	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	156369	21.07	ug/l	99
89) n-Butylbenzene	12.92	91	352266	23.78	ug/l	97
90) Hexachloroethane	13.00	117	82864	22.78	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	160436	21.27	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15612	18.62	ug/l	78

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ClientSampleId :
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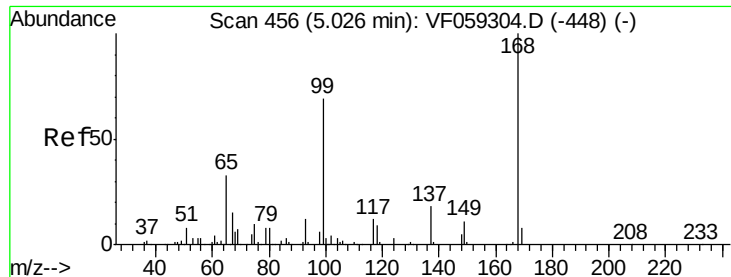
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	124683	22.36	ug/l	98
94) Hexachlorobutadiene	14.26	225	72784	23.36	ug/l	96
95) Naphthalene	14.53	128	238965	20.48	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	115304	21.82	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:168 Resp: 267845

Ion Ratio Lower Upper

168 100

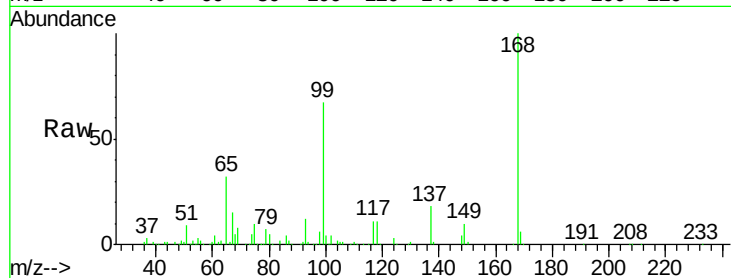
99 66.5 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

60000

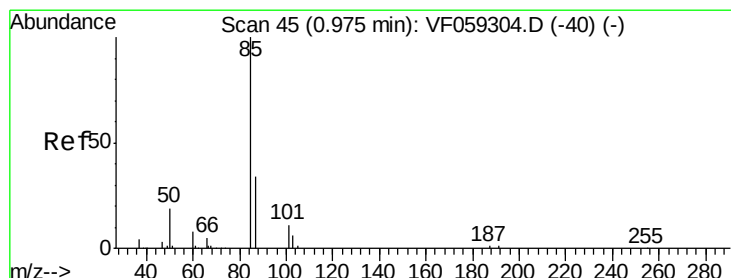
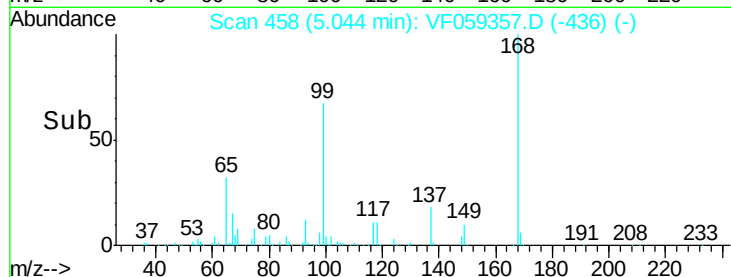
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.35 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059357.D

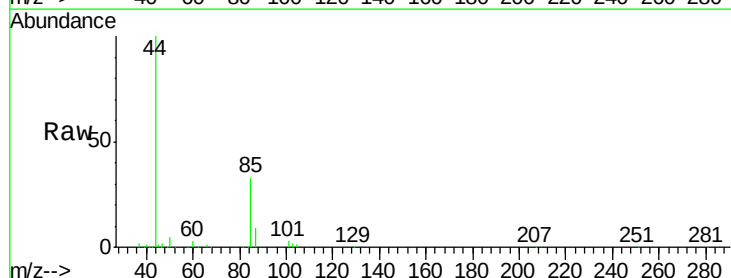
Acq: 28 Jun 2018 13:41

Tgt Ion: 85 Resp: 52245

Ion Ratio Lower Upper

85 100

87 27.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

15000

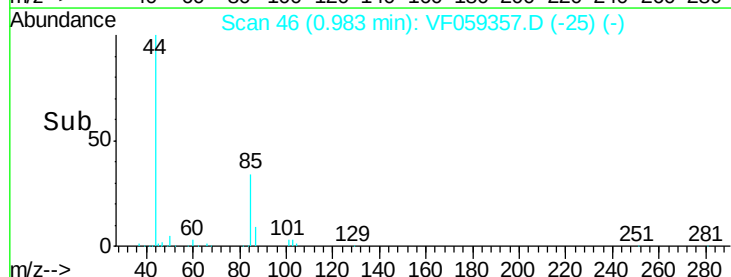
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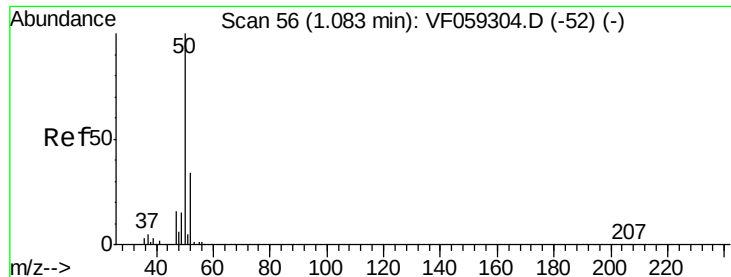
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.20 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

Tot Ion: 50 Resp: 33202

Ion Ratio Lower Upper

50 100

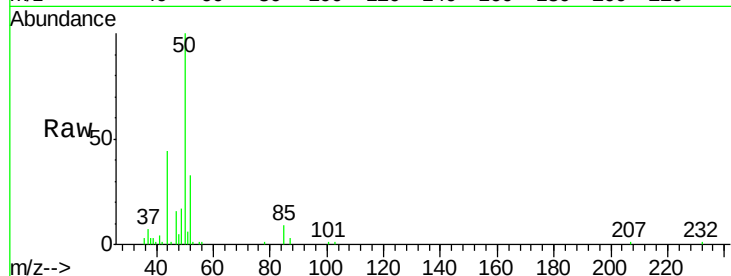
52 33.5 26.7 40.1

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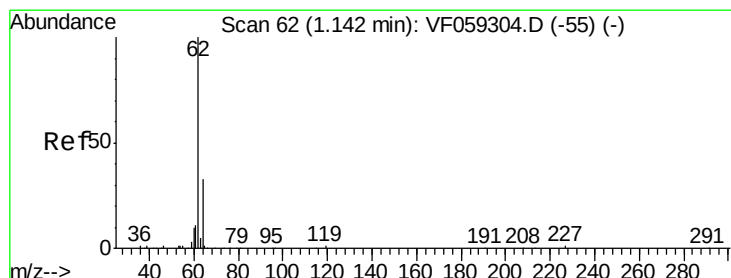
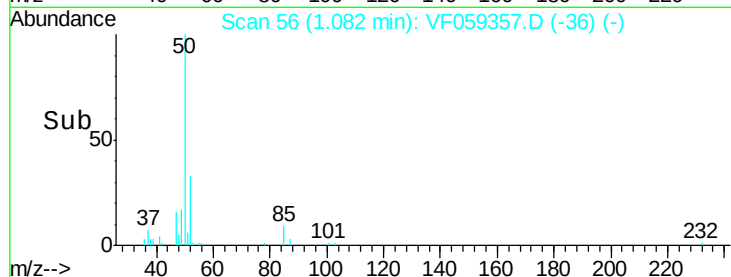
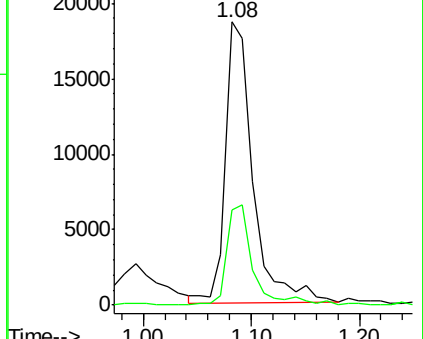
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.85 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059357.D

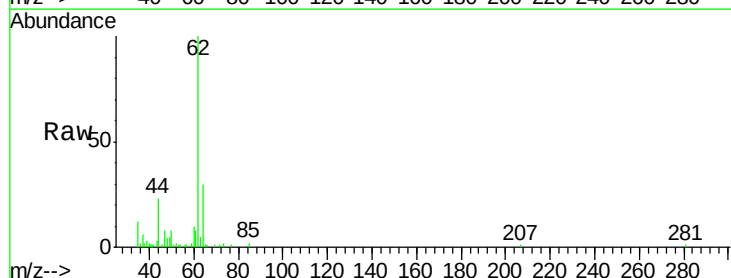
Acq: 28 Jun 2018 13:41

Tgt Ion: 62 Resp: 33739

Ion Ratio Lower Upper

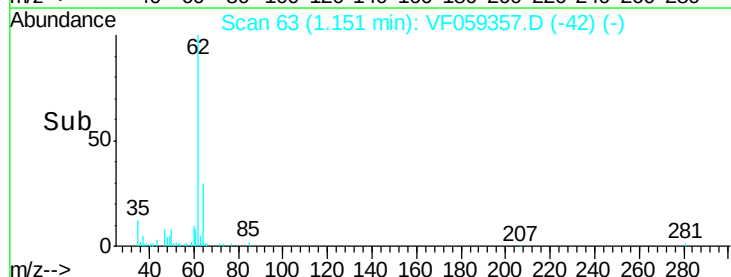
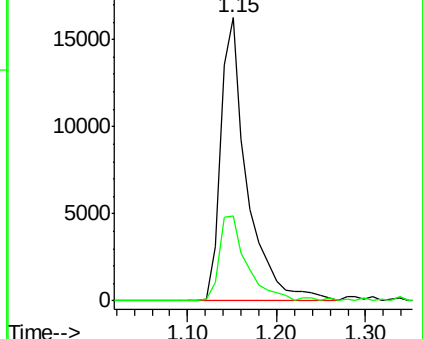
62 100

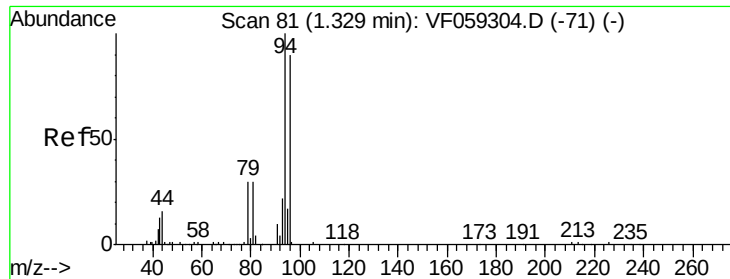
64 29.9 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 25.08 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

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ClientSampleId :

VF0628SBS01

Tot Ion: 94 Resp: 24796

Ion Ratio Lower Upper

94 100

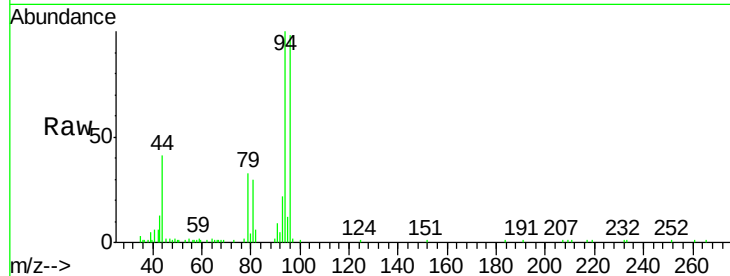
96 97.7 73.4 110.0

Manual Integrations

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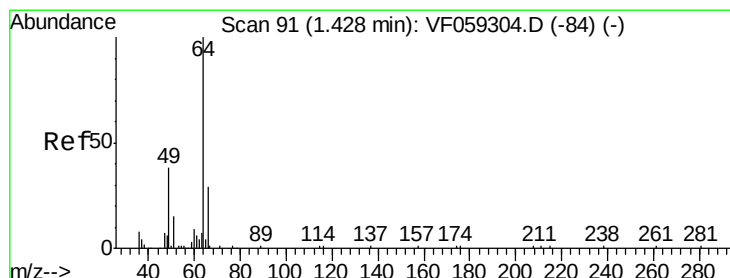
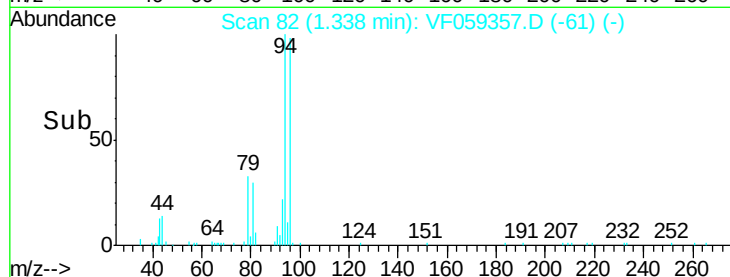
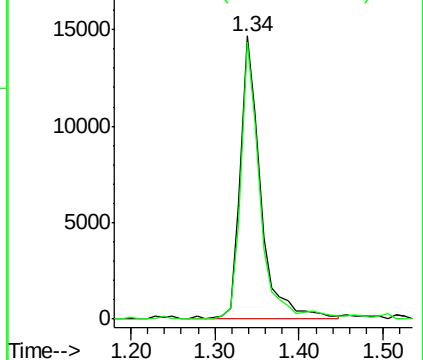
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.68 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059357.D

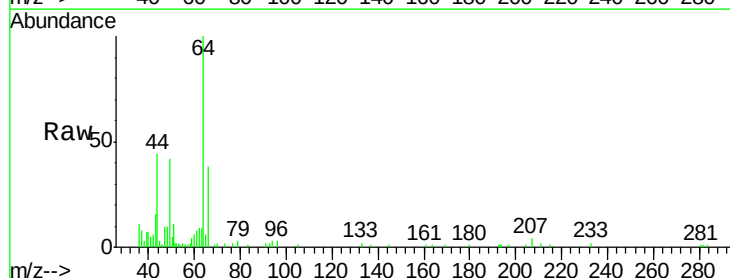
Acq: 28 Jun 2018 13:41

Tgt Ion: 64 Resp: 19300

Ion Ratio Lower Upper

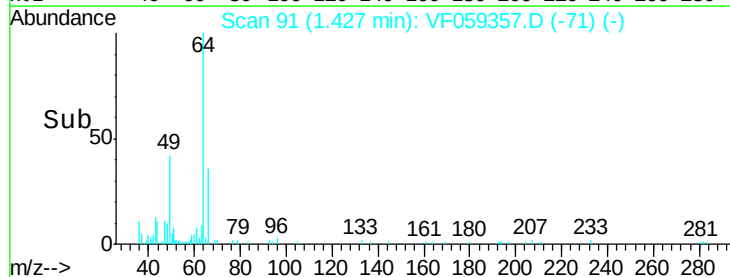
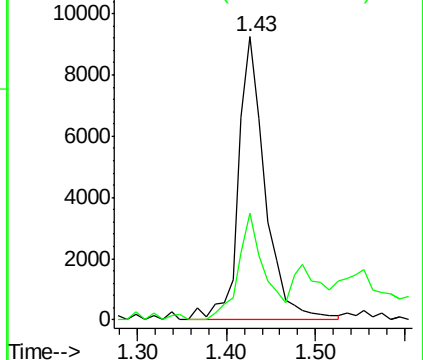
64 100

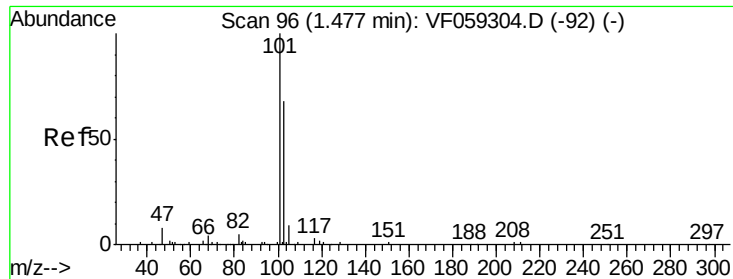
66 37.5 23.9 35.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

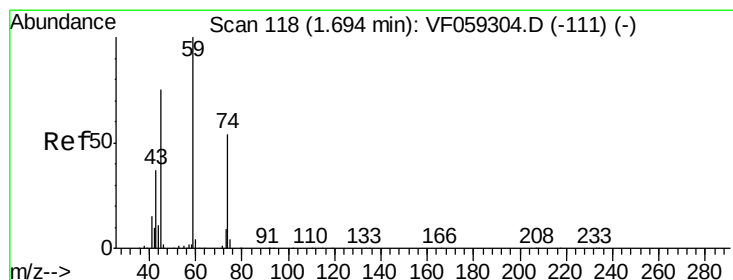
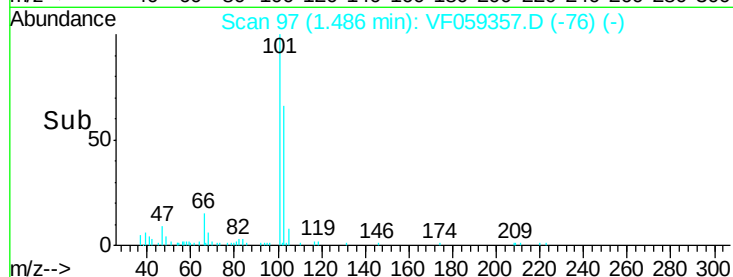
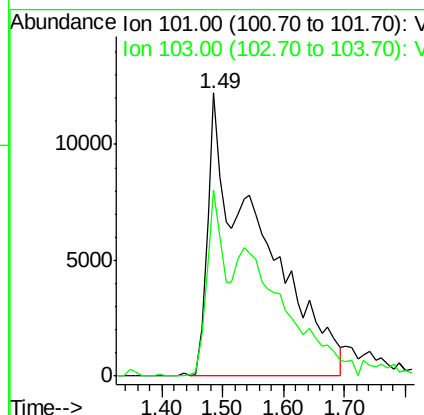
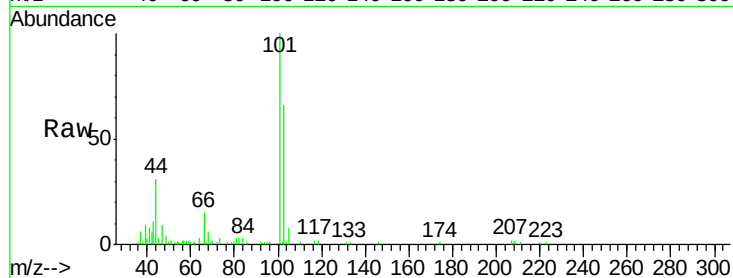
Trichlorofluoromethane
Concen: 22.37 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

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VF0628SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	54.2	81.2

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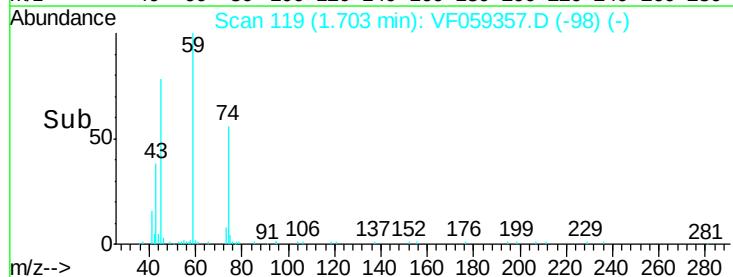
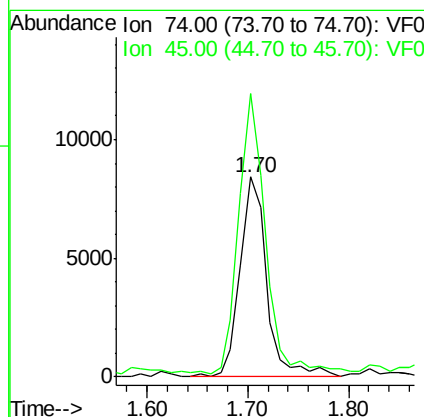
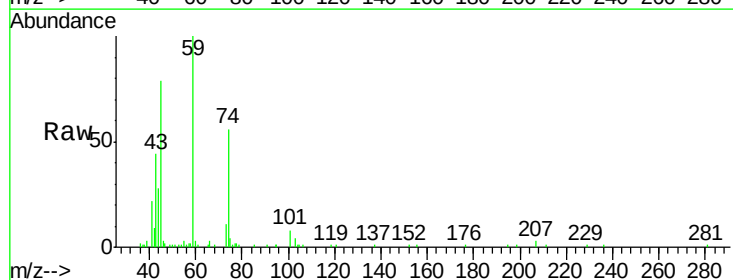
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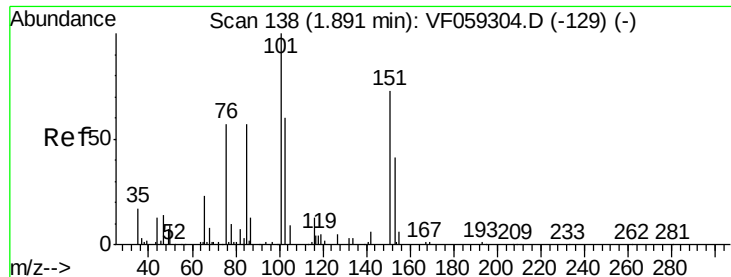


#8

Diethyl Ether
Concen: 19.10 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.7	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.07 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

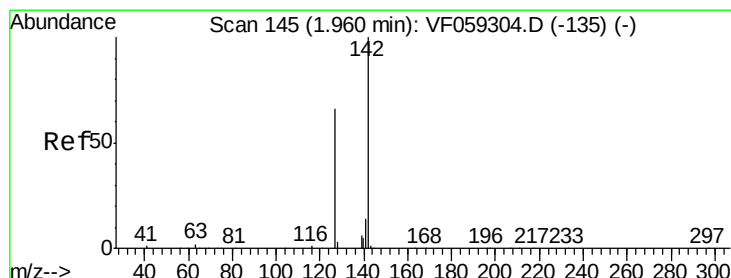
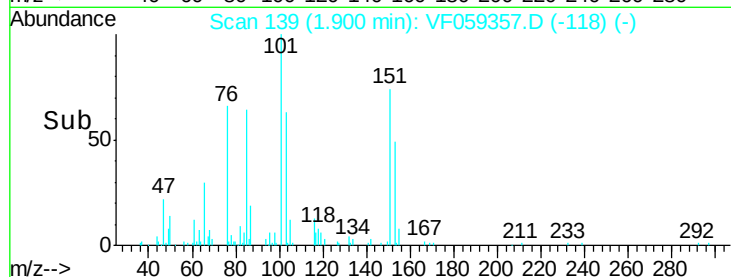
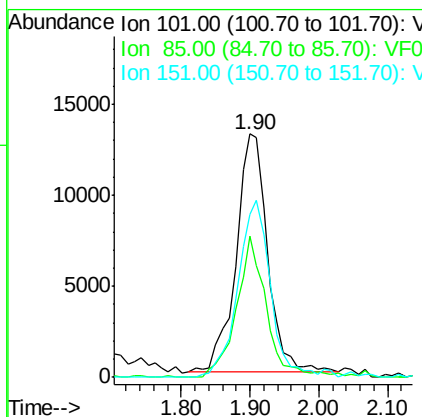
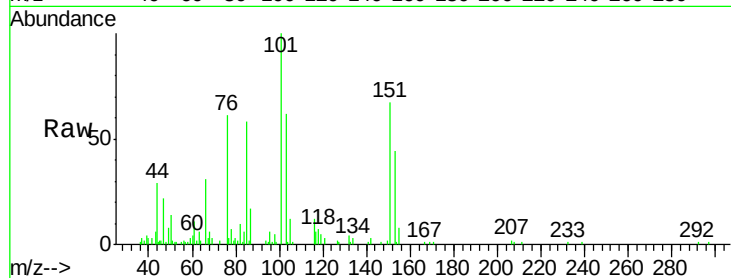
ClientSampleId :

VF0628SBS01

Tot Ion:	101	Resp:	41229
Ion Ratio	Lower	Upper	
101	100		
85	58.1	44.5	66.7
151	66.9	56.8	85.2

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#10

Methyl Iodide

Concen: 21.54 ug/l

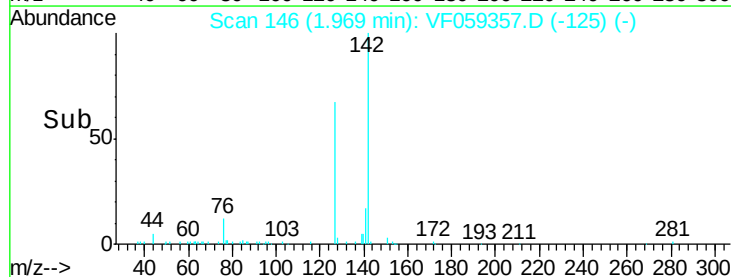
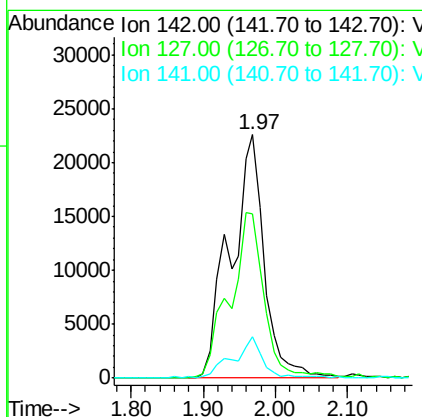
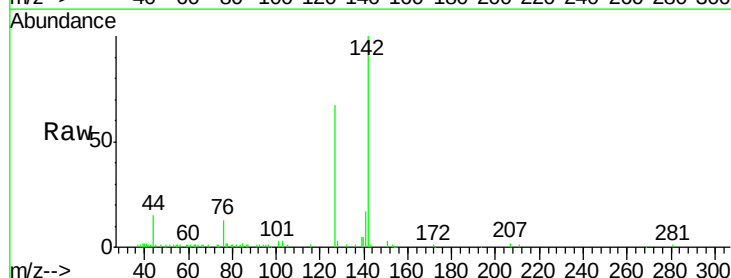
RT: 1.97 min Scan# 146

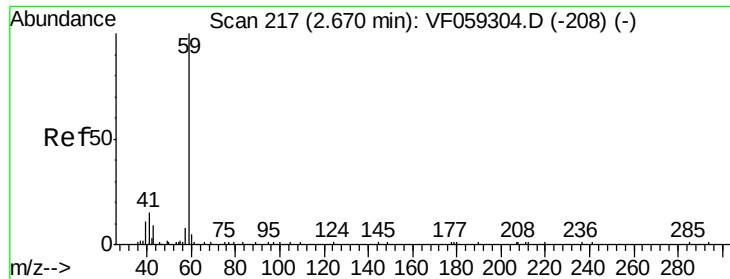
Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	142	Resp:	73379
Ion Ratio	Lower	Upper	
142	100		
127	70.2	52.5	78.7
141	16.9	11.5	17.3





#11

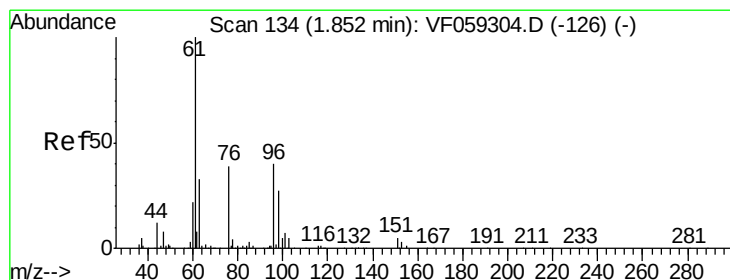
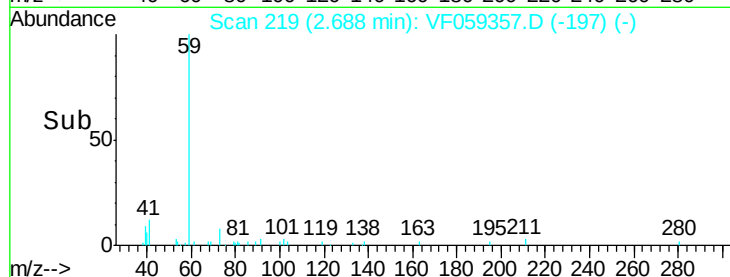
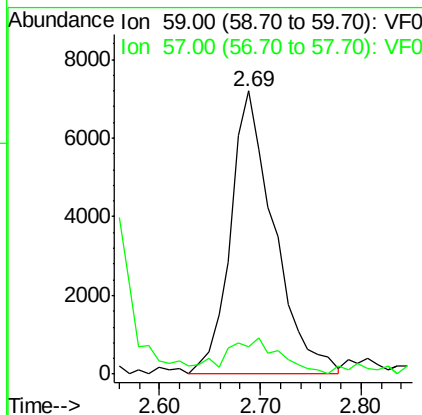
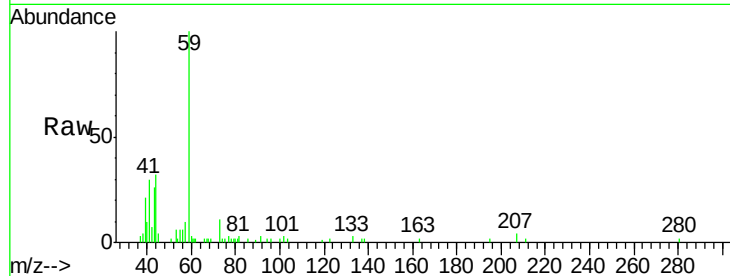
Tert butyl alcohol
Concen: 93.75 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

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

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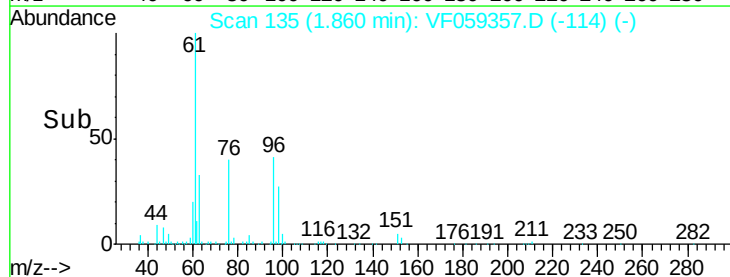
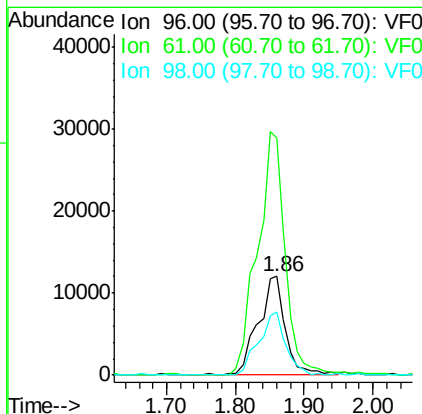
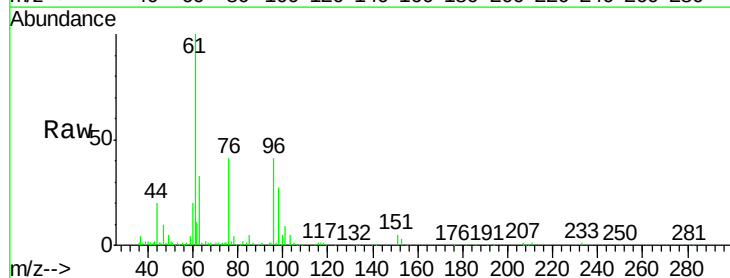
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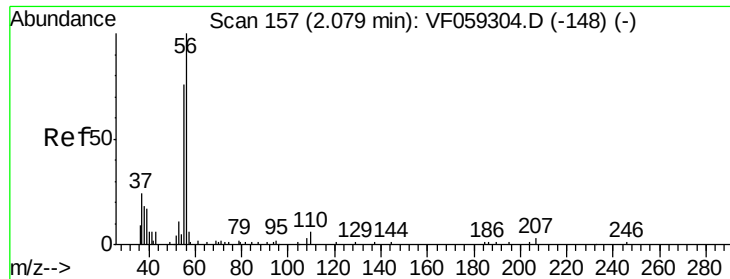


#12

1,1-Dichloroethene
Concen: 21.26 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	241.1	201.1	301.7
98	64.7	53.9	80.9





#13

Acrolein

Concen: 103.69 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tot Ion: 56 Resp: 12633

Ion Ratio Lower Upper

56 100

55 93.3 62.4 93.6

Instrument :

MSVOA_F

ClientSampleId :

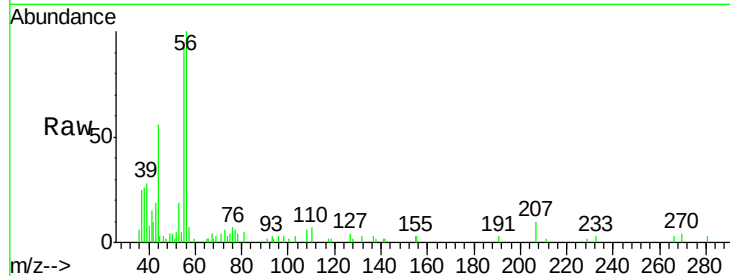
VF0628SBSD01

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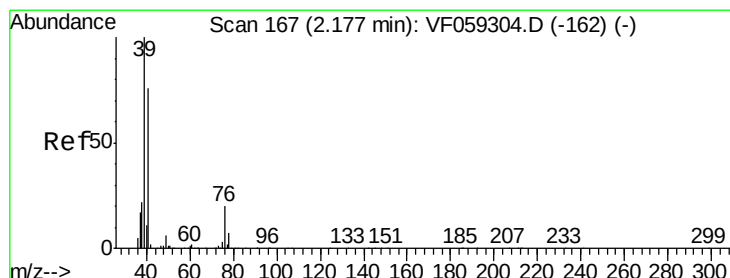
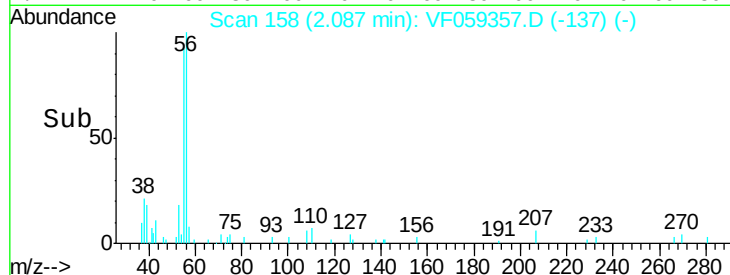
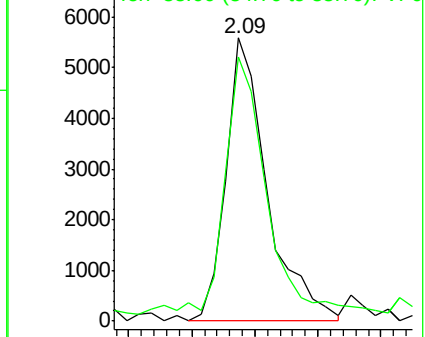
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.92 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

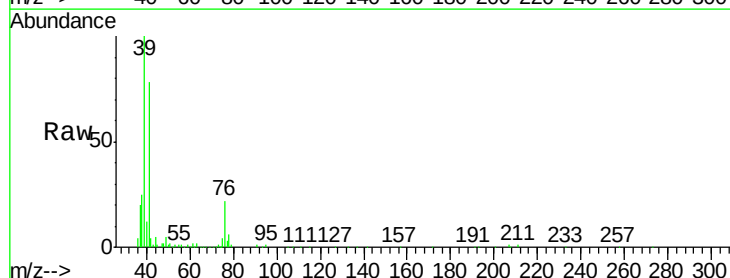
Tgt Ion: 41 Resp: 62019

Ion Ratio Lower Upper

41 100

39 128.3 105.6 158.4

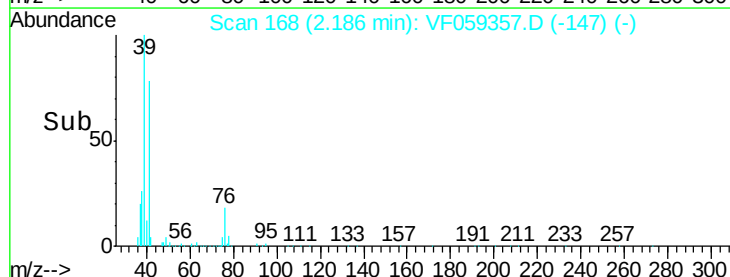
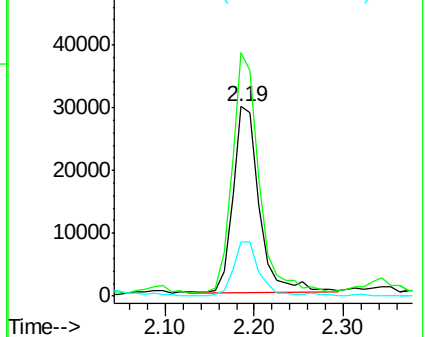
76 28.4 21.6 32.4

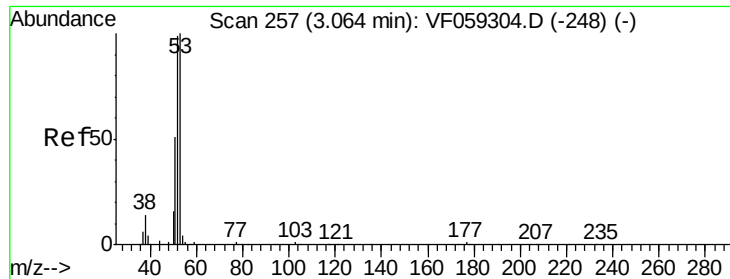


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 98.34 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

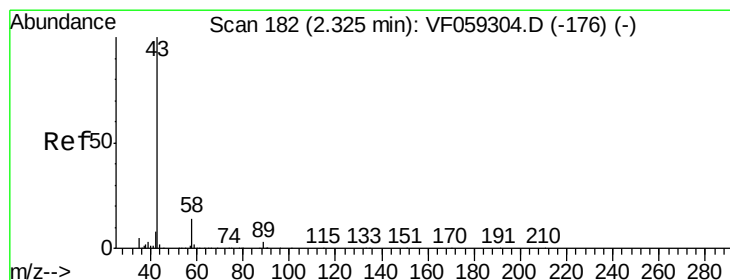
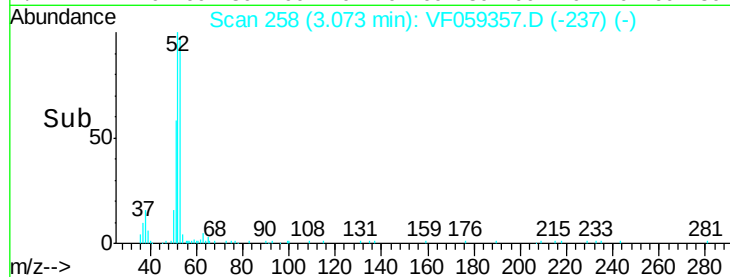
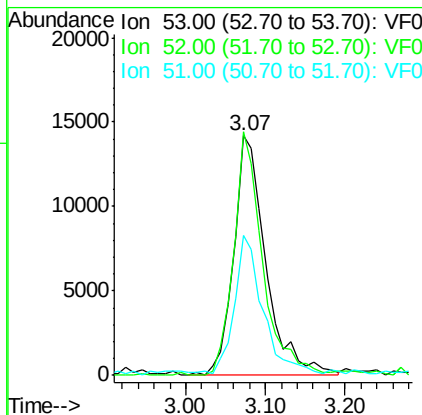
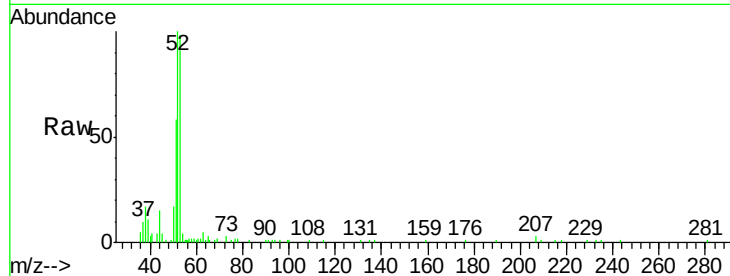
ClientSampleId :

VF0628SBS01

Tot Ion:	53	Resp:	39896
Ion	Ratio	Lower	Upper
53	100		
52	101.6	79.2	118.8
51	58.6	40.9	61.3

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#16

Acetone

Concen: 105.79 ug/l

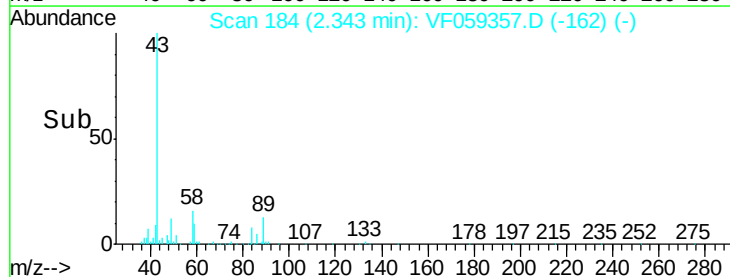
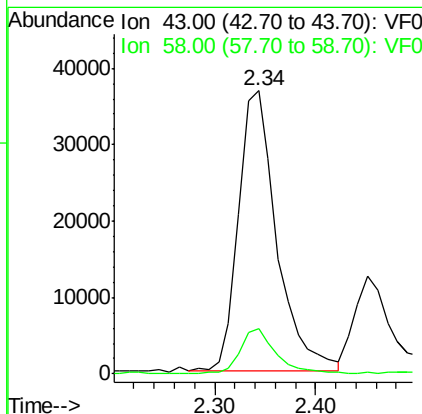
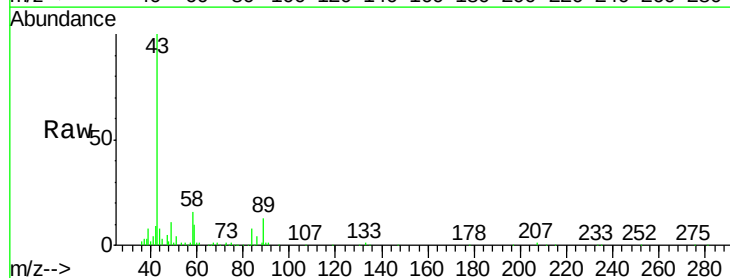
RT: 2.34 min Scan# 184

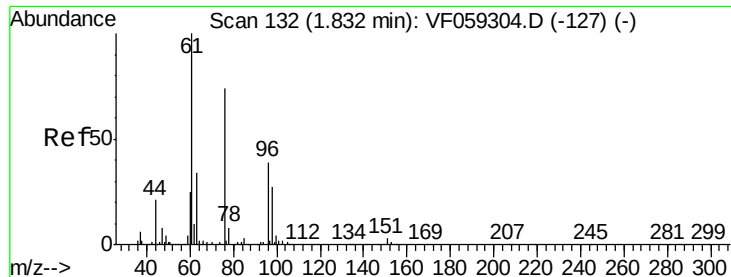
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	43	Resp:	96517
Ion	Ratio	Lower	Upper
43	100		
58	16.1	11.4	17.0





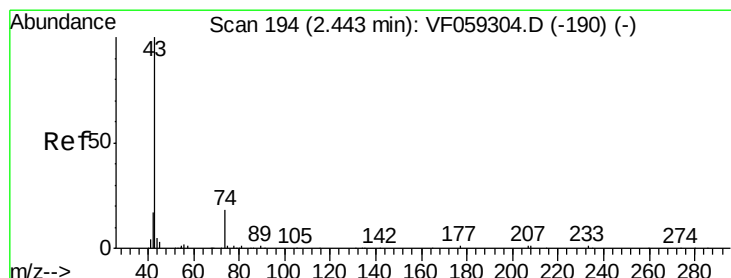
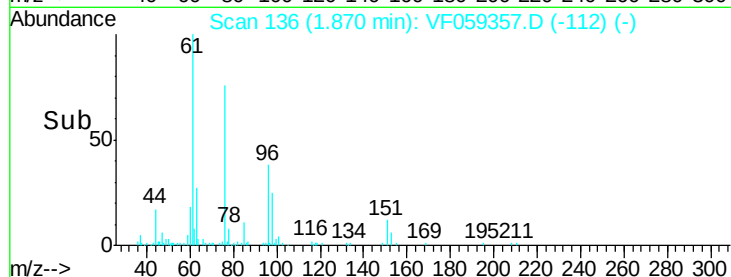
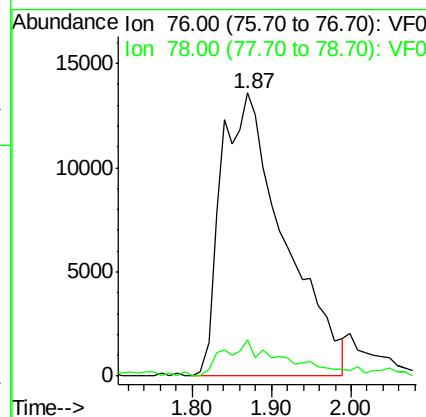
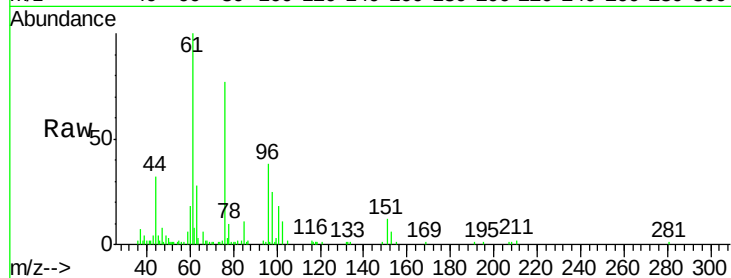
#17
Carbon Disulfide
Concen: 20.22 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.04 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.9	8.9	13.3

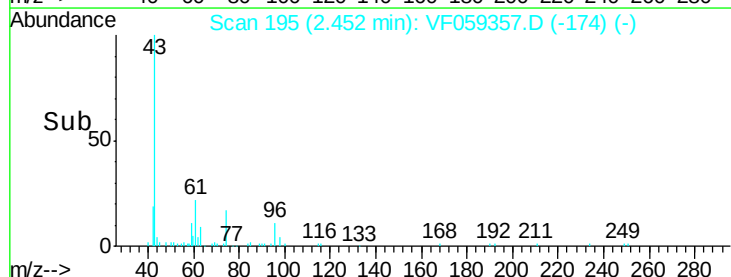
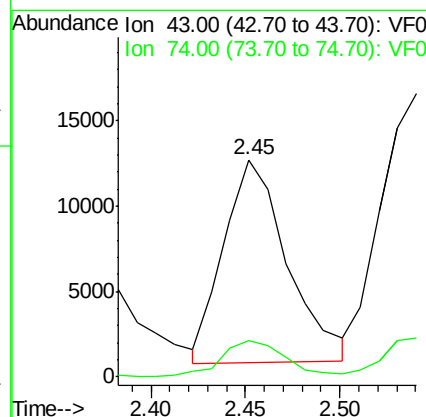
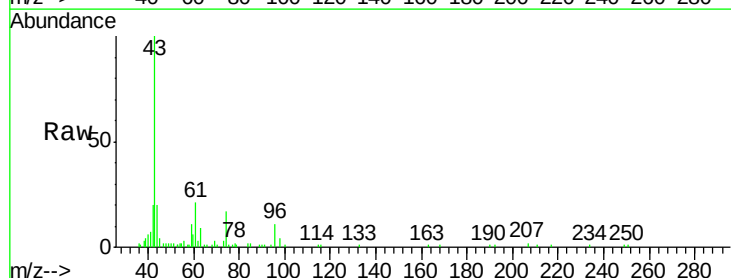
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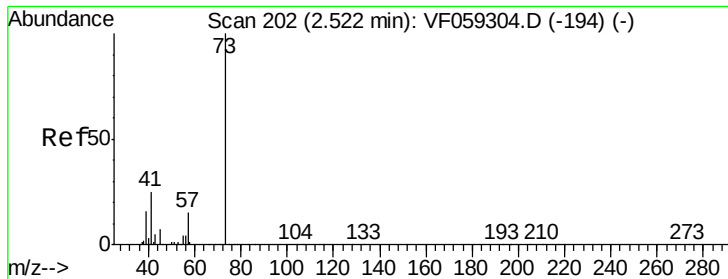
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#18
Methyl Acetate
Concen: 17.13 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.7	13.3	19.9





#19

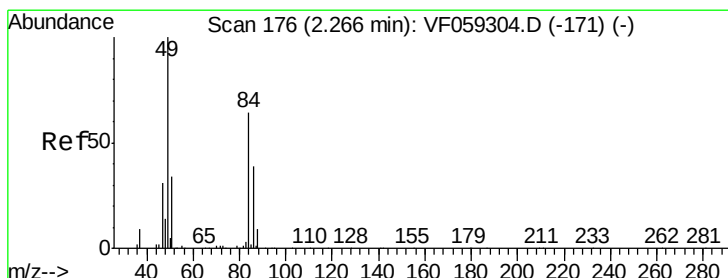
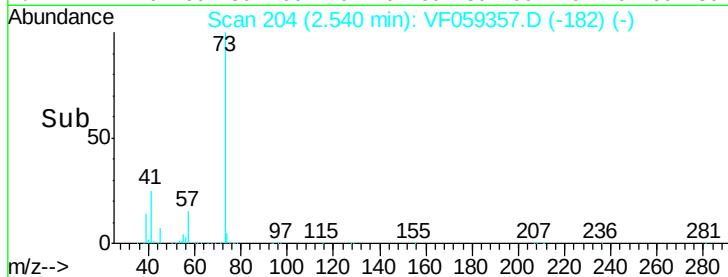
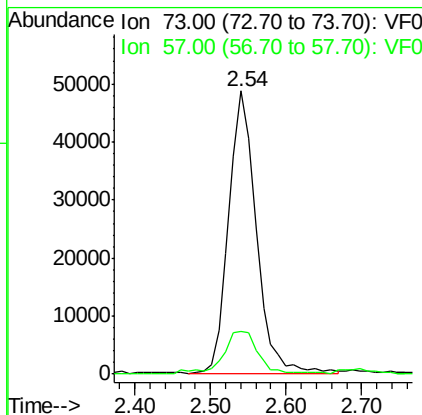
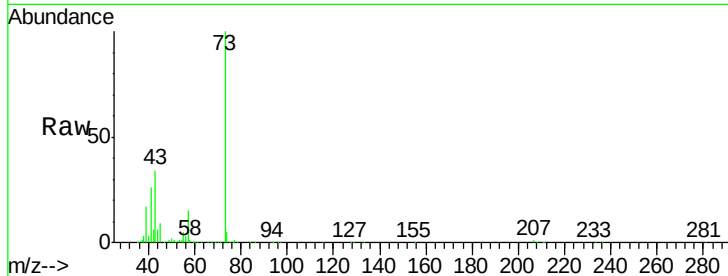
Methyl tert-butyl Ether
 Concen: 20.71 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.3	12.3	18.5

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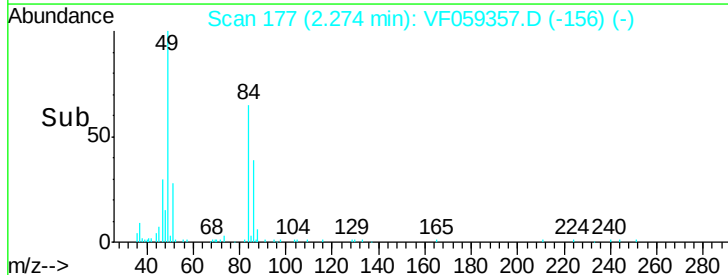
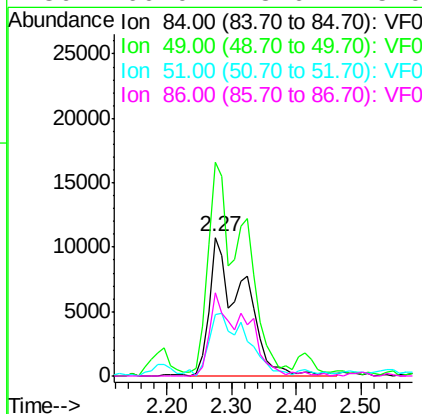
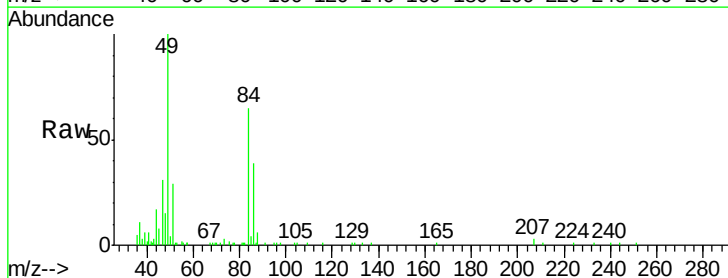
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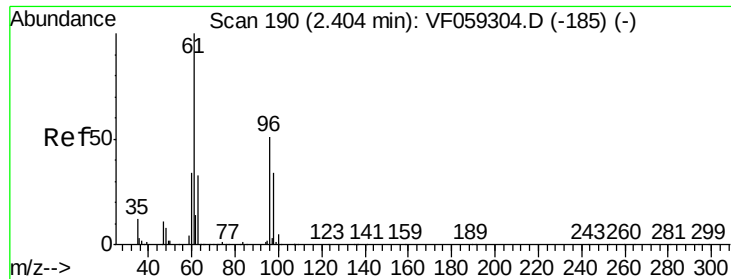


#20

Methylene Chloride
 Concen: 14.87 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.4	126.5	189.7
51	44.0	42.9	64.3
86	60.0	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 21.08 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

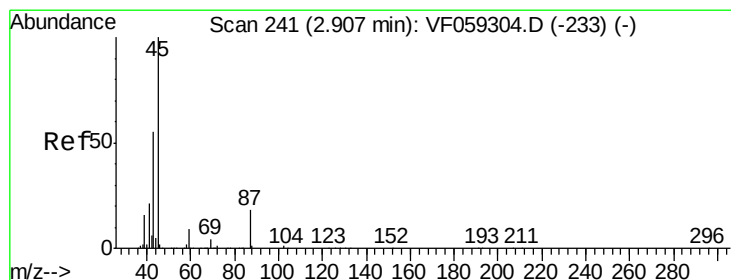
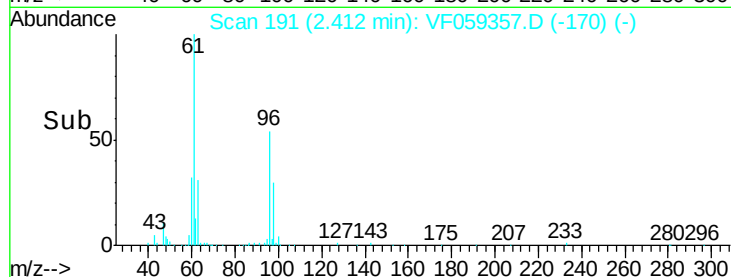
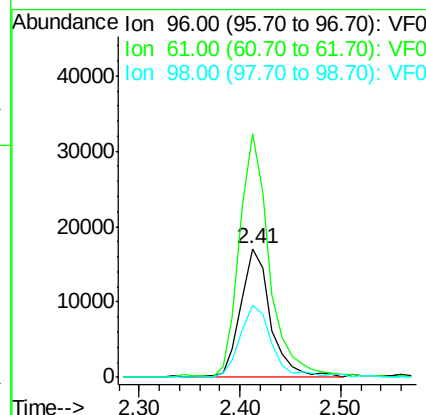
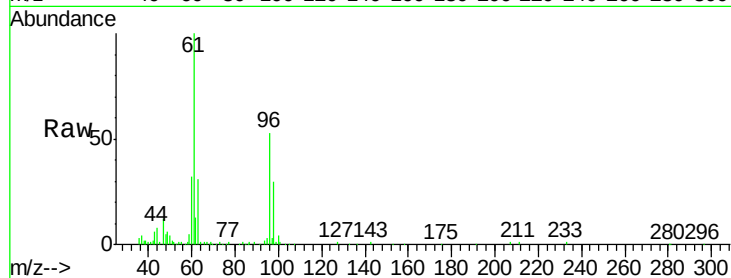
ClientSampleId :

VF0628SBS01

Tot Ion:	96	Resp:	35517
Ion Ratio	Lower	Upper	
96	100		
61	189.1	157.4	236.2
98	56.1	53.7	80.5

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#22

Diisopropyl ether

Concen: 21.31 ug/l

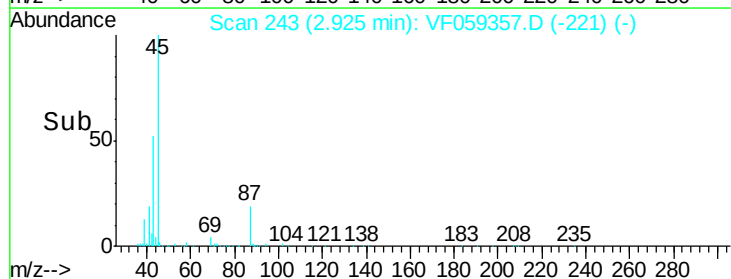
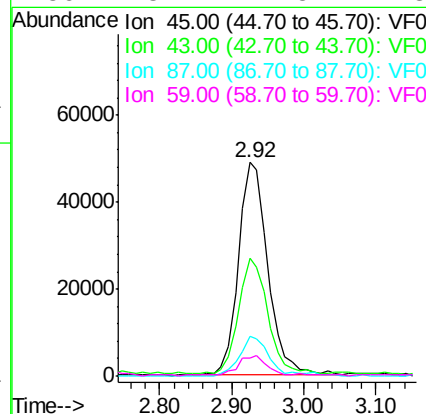
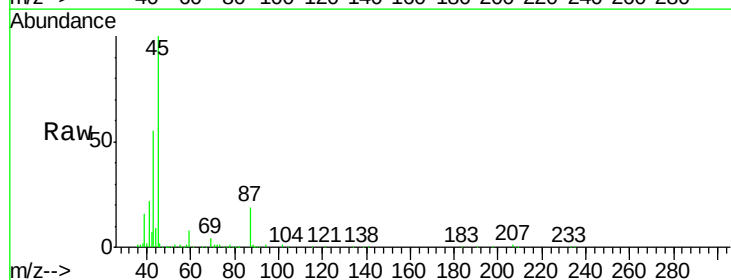
RT: 2.92 min Scan# 243

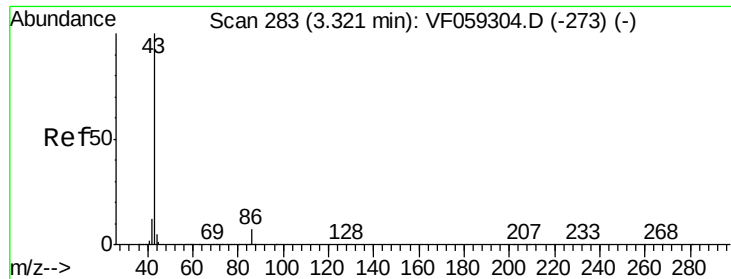
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	45	Resp:	139875
Ion Ratio	Lower	Upper	
45	100		
43	55.0	44.6	66.8
87	18.8	14.3	21.5
59	8.4	7.5	11.3





#23

Vinyl Acetate

Concen: 104.53 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 43 Resp: 436982

Ion Ratio Lower Upper

43 100

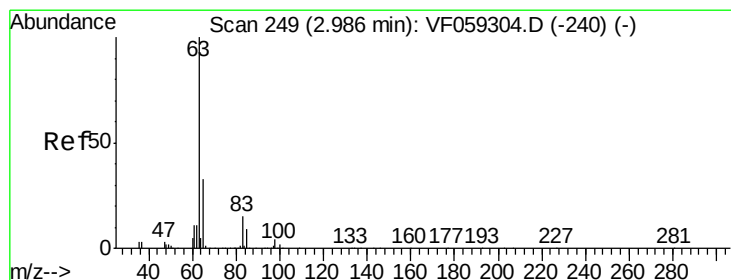
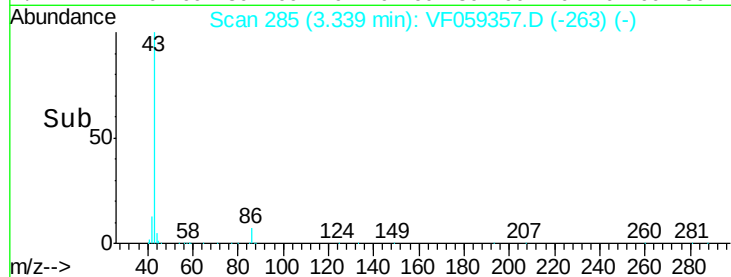
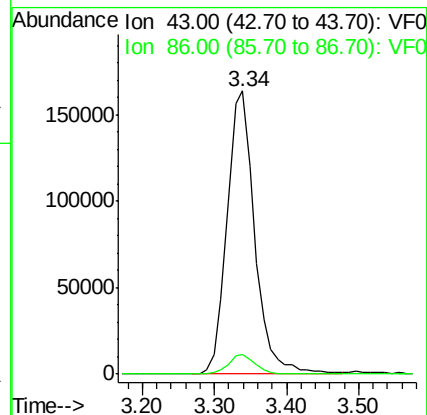
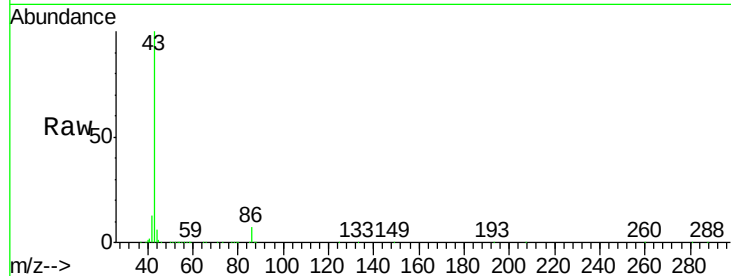
86 7.1 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 21.56 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

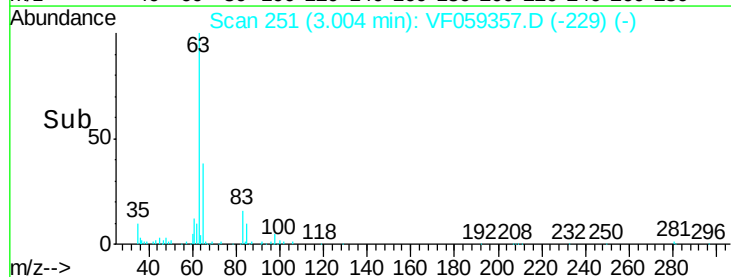
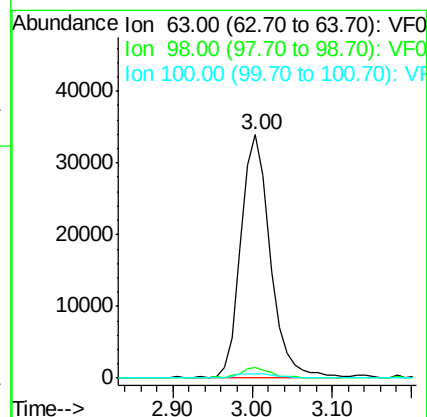
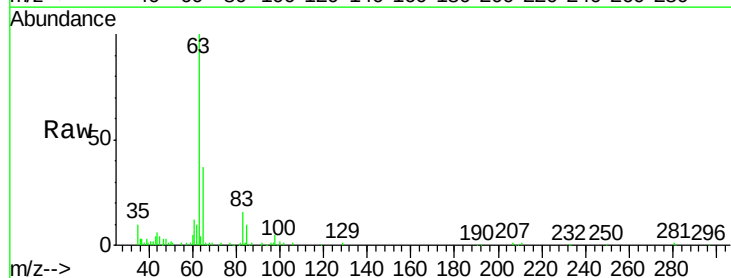
Tgt Ion: 63 Resp: 87733

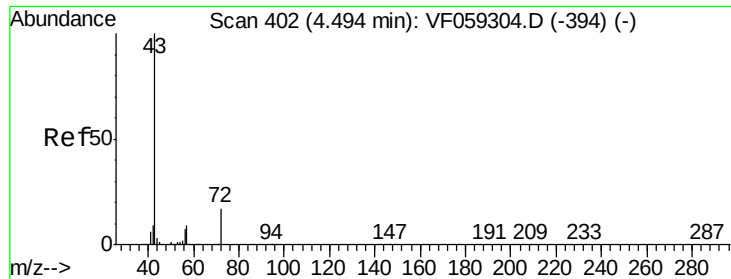
Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

100 1.7 1.3 3.9





#25

2-Butanone

Concen: 108.10 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tot Ion: 43 Resp: 114792

Ion Ratio Lower Upper

43 100

72 18.3 14.4 21.6

Instrument :

MSVOA_F

ClientSampleId :

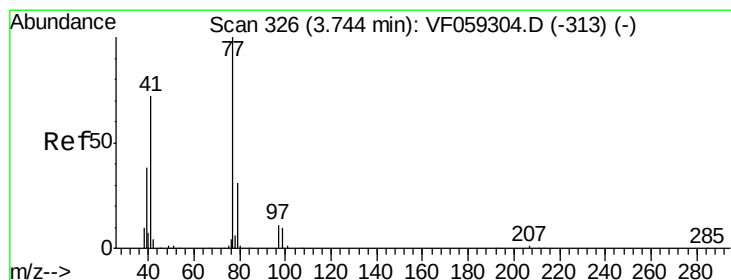
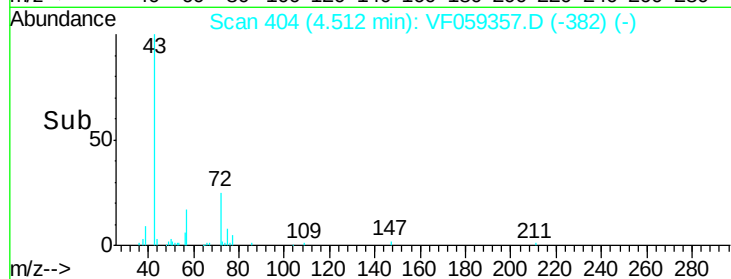
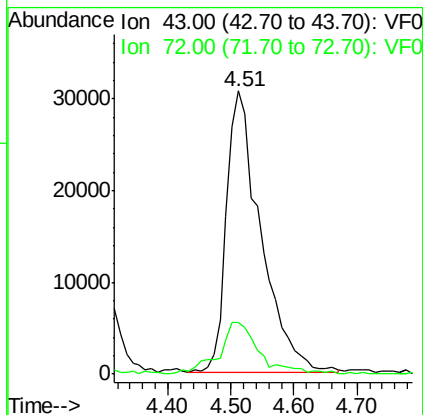
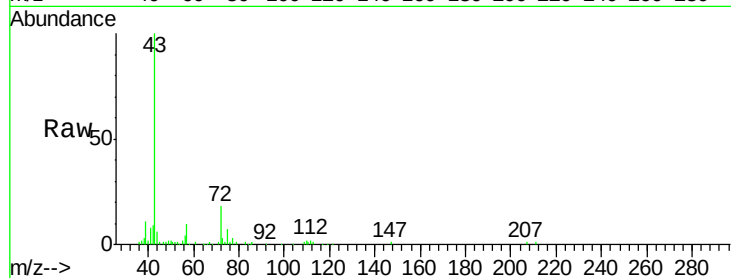
VF0628SBS01

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#26

2,2-Dichloropropane

Concen: 23.62 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.02 min

Lab File: VF059357.D

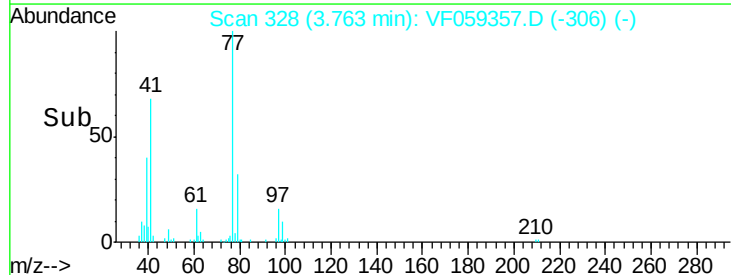
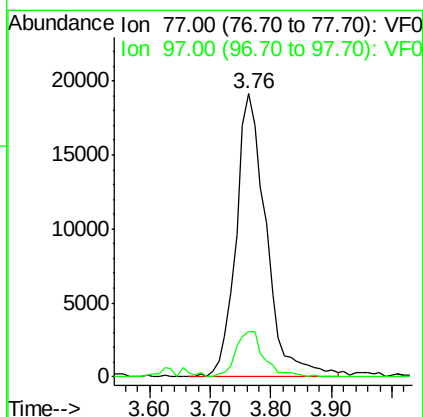
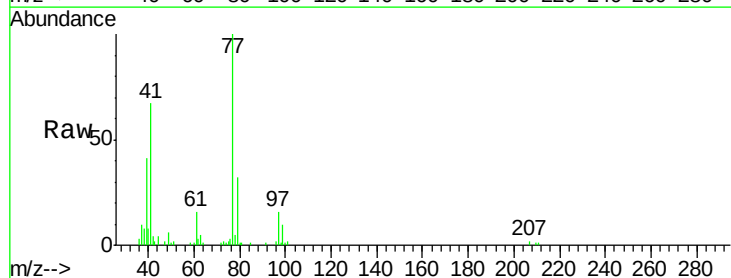
Acq: 28 Jun 2018 13:41

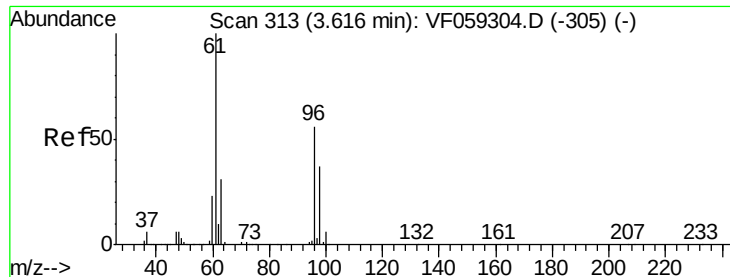
Tgt Ion: 77 Resp: 66290

Ion Ratio Lower Upper

77 100

97 15.8 8.0 23.8





#27

cis-1,2-Dichloroethene

Concen: 21.57 ug/l

RT: 3.63 min Scan# 315

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

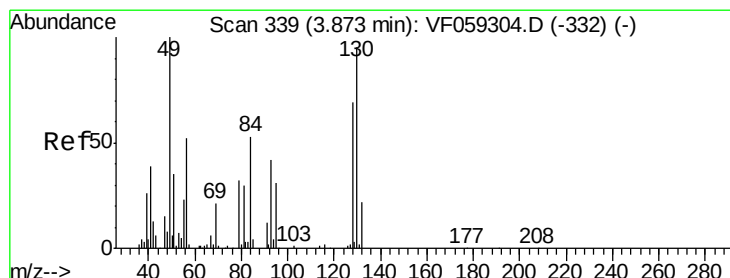
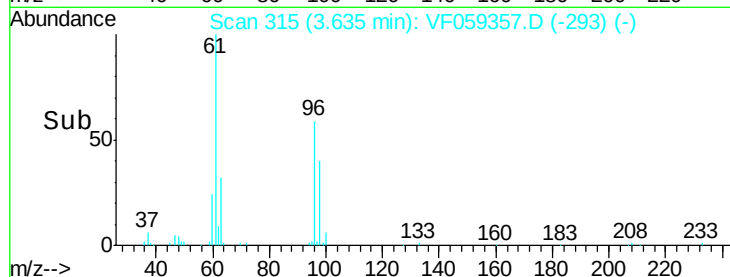
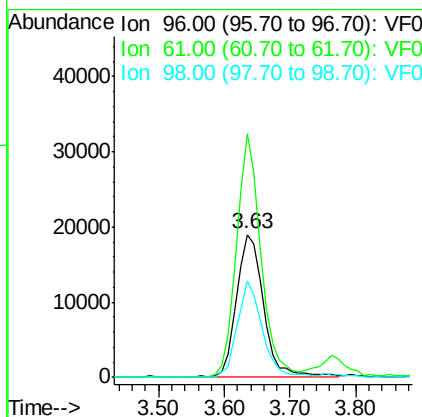
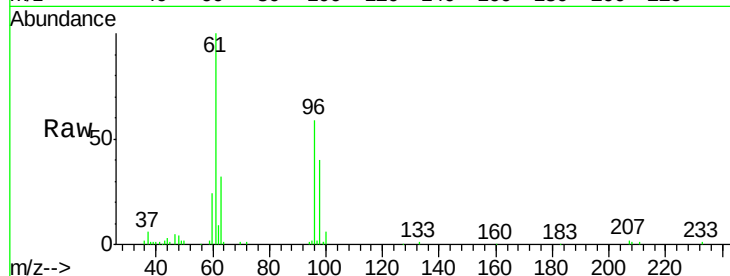
ClientSampleId :

VF0628SBS01

Tot Ion:	96	Resp:	55160
Ion	Ratio	Lower	Upper
96	100		
61	170.7	0.0	355.4
98	67.5	0.0	131.0

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#28

Bromochloromethane

Concen: 21.81 ug/l

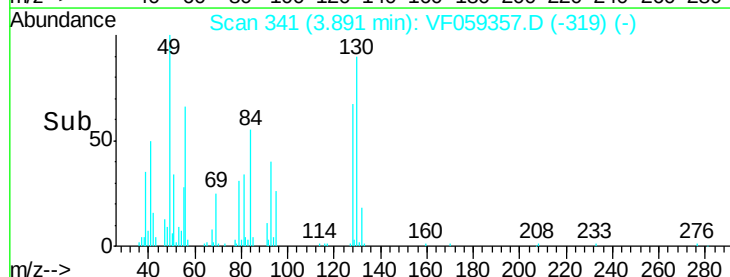
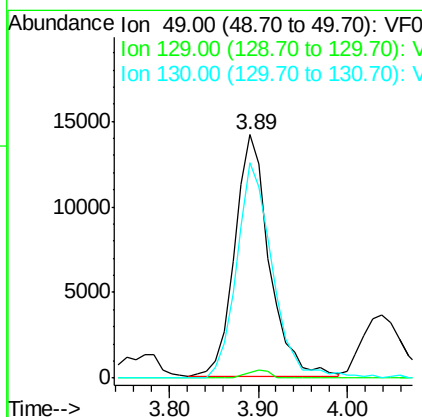
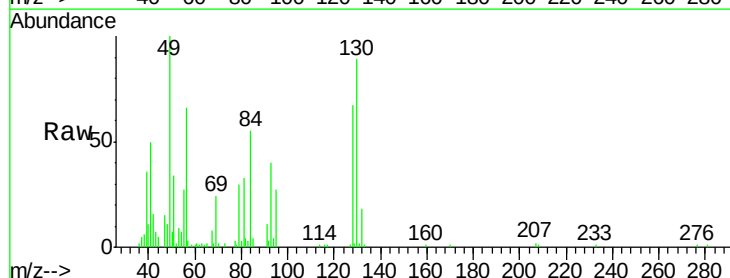
RT: 3.89 min Scan# 341

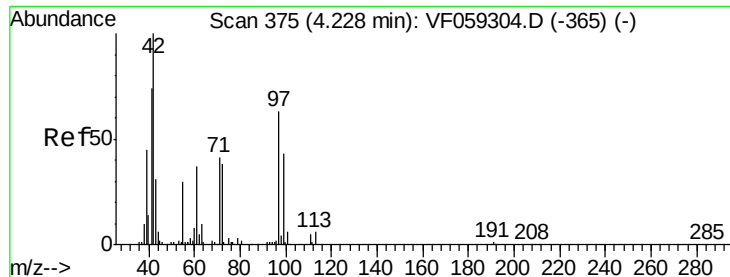
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	49	Resp:	37827
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	6.4
130	88.7	75.1	112.7





#29

Tetrahydrofuran

Concen: 101.57 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

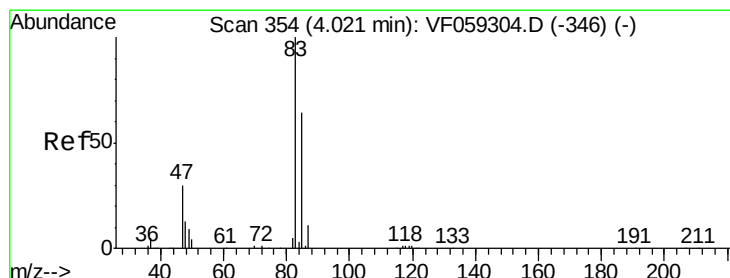
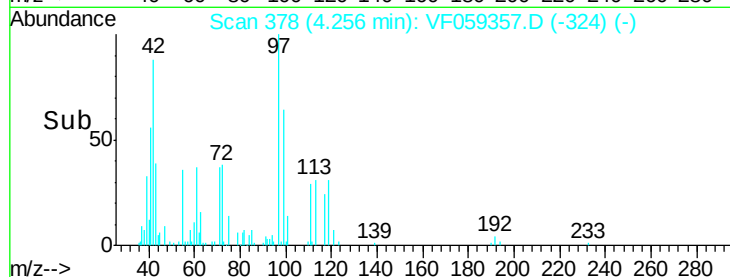
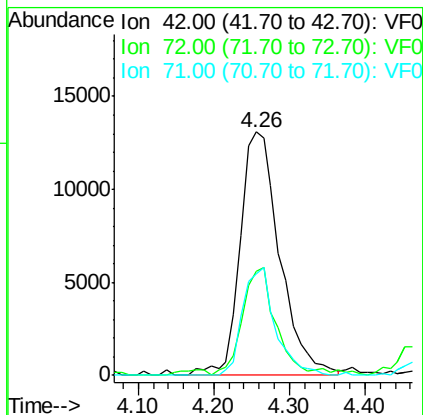
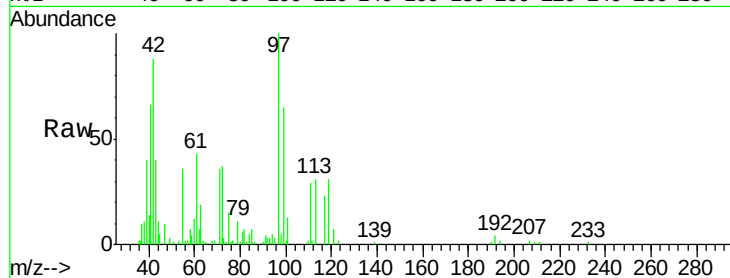
ClientSampleId :

VF0628SBS01

Tot Ion:	42	Resp:	47548
Ion Ratio		Lower	Upper
42	100		
72	38.6	30.5	45.7
71	36.5	32.5	48.7

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#30

Chloroform

Concen: 20.70 ug/l

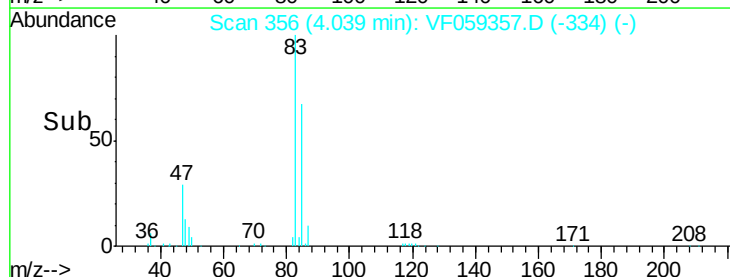
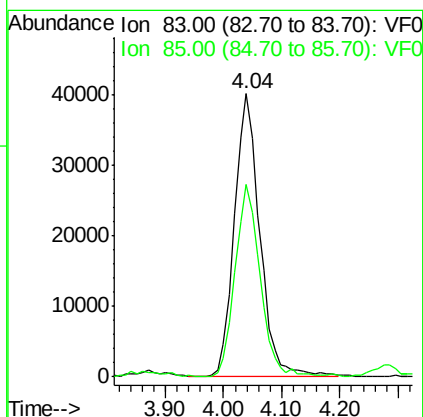
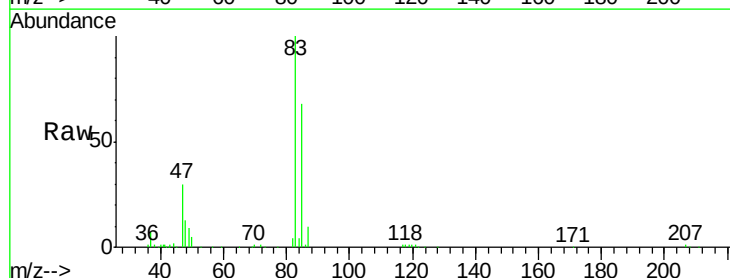
RT: 4.04 min Scan# 356

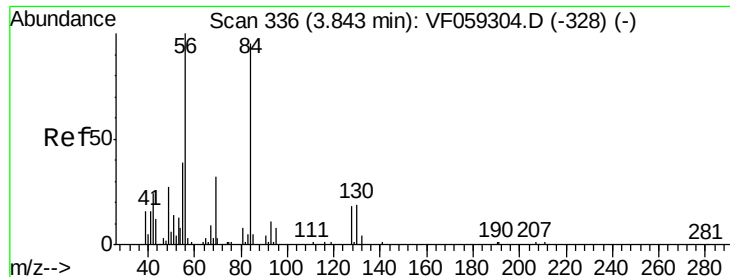
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	83	Resp:	121959
Ion Ratio		Lower	Upper
83	100		
85	68.0	51.3	76.9





#31

Cyclohexane

Concen: 20.33 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

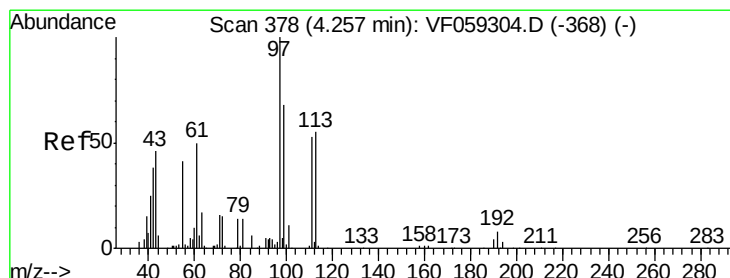
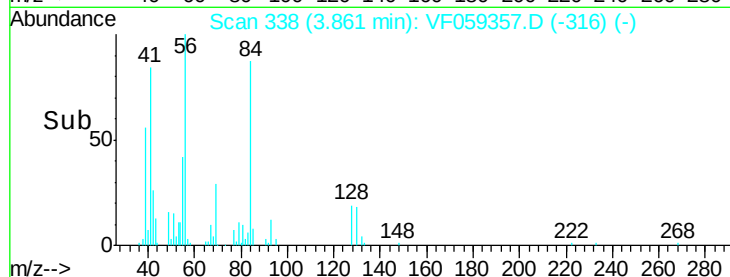
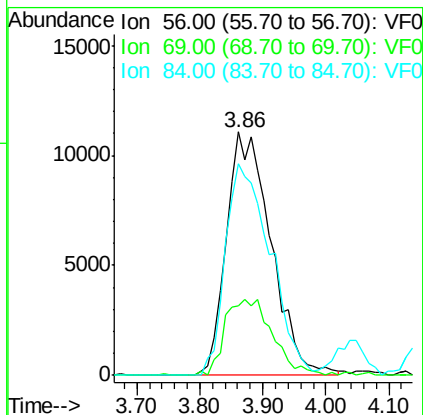
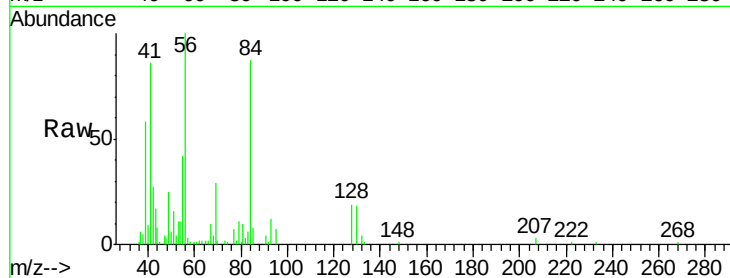
ClientSampleId :

VF0628SBS01

Tot Ion:	56	Resp:	54210
Ion Ratio	Lower	Upper	
56	100		
69	28.7	25.8	38.8
84	86.8	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 22.25 ug/l

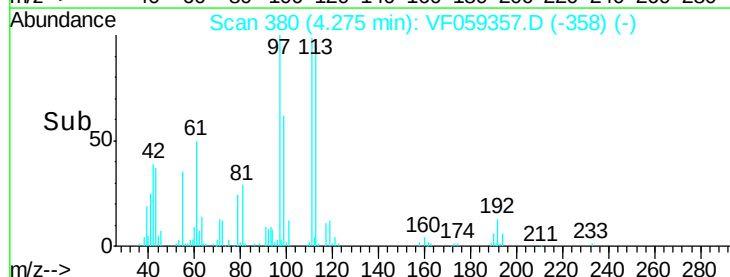
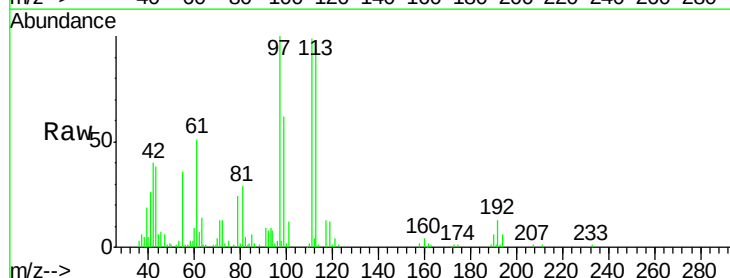
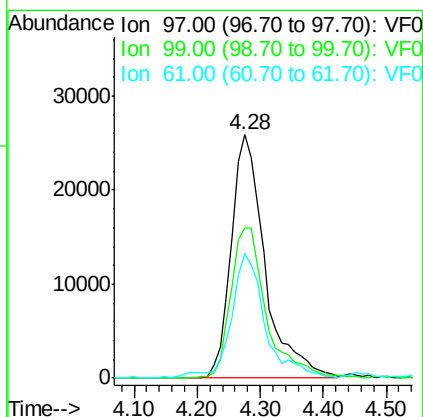
RT: 4.28 min Scan# 380

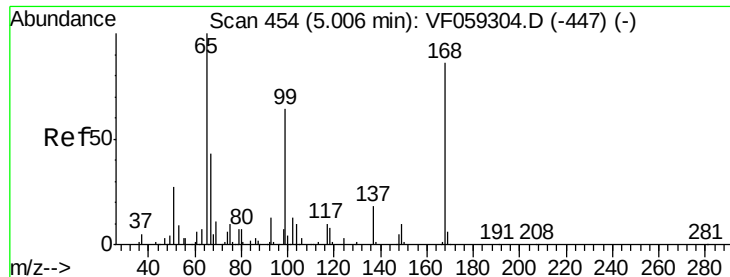
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	97	Resp:	95935
Ion Ratio	Lower	Upper	
97	100		
99	61.9	54.1	81.1
61	50.9	41.2	61.8





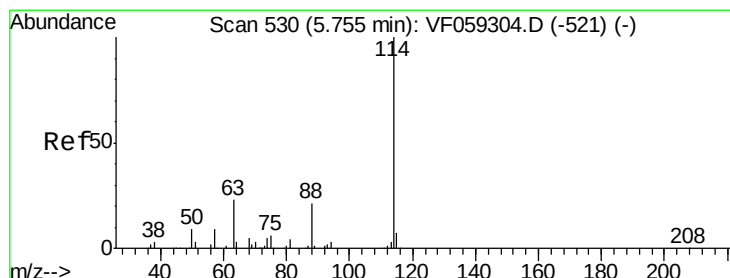
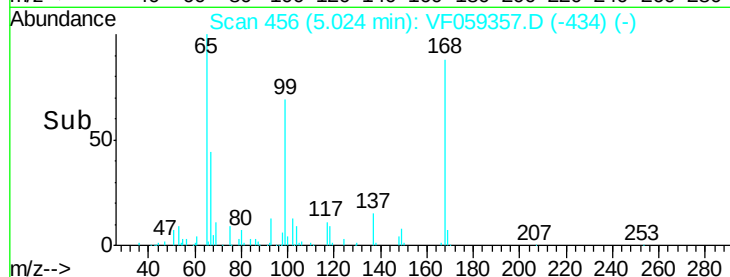
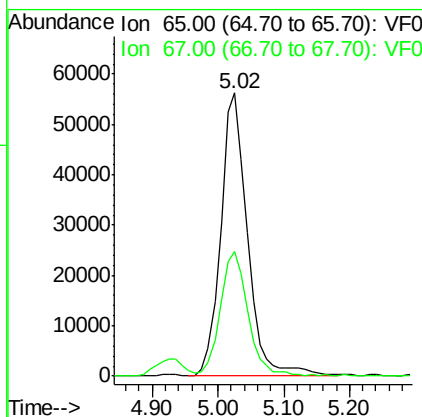
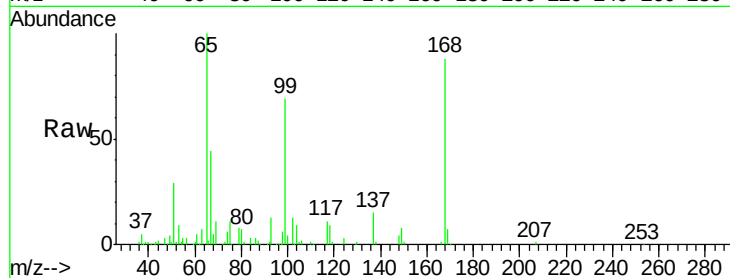
#33
 1,2-Dichloroethane-d4
 Concen: 45.63 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157895		
67	44.1	0.0	96.8	

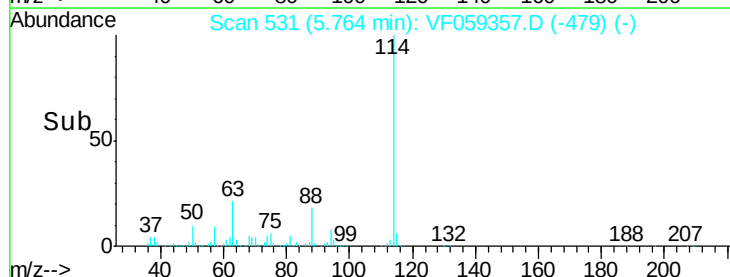
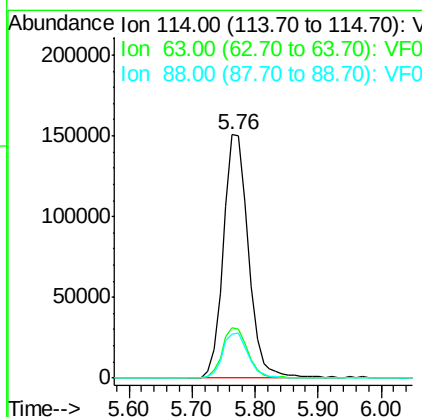
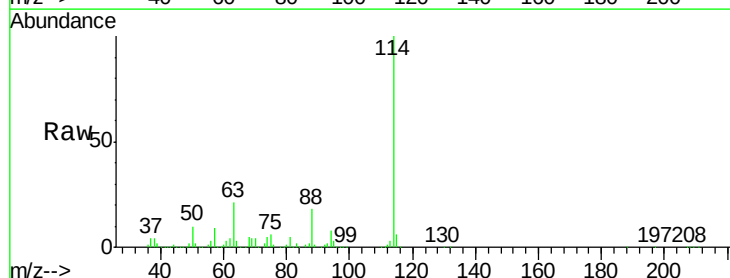
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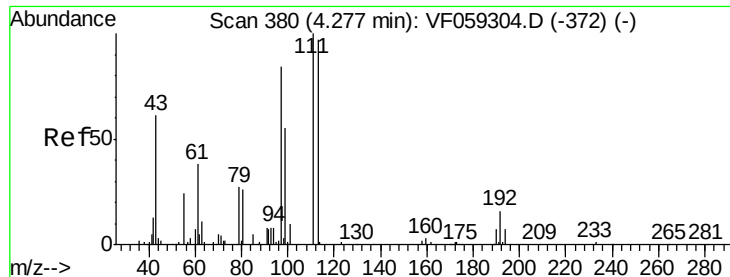
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414902		
63	20.9	0.0	45.8	
88	18.1	0.0	41.2	





#35

Dibromofluoromethane

Concen: 45.73 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

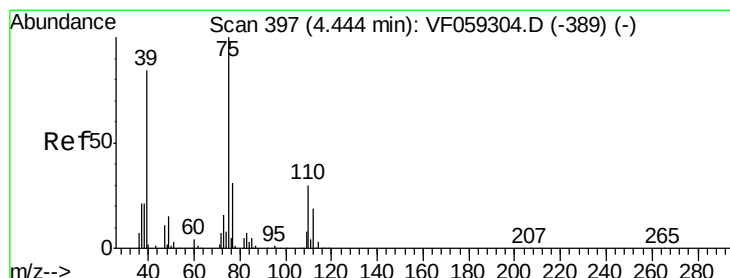
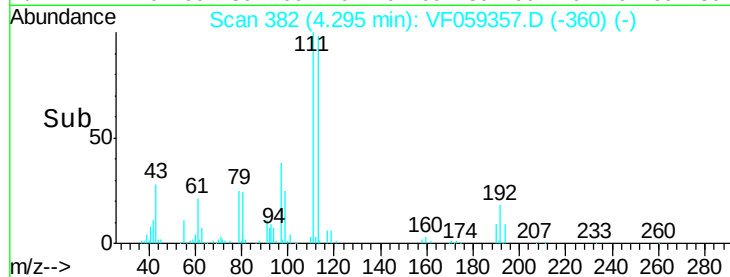
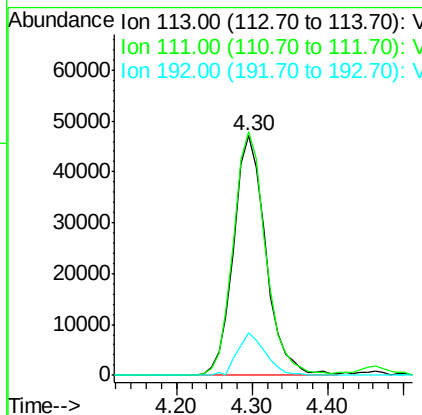
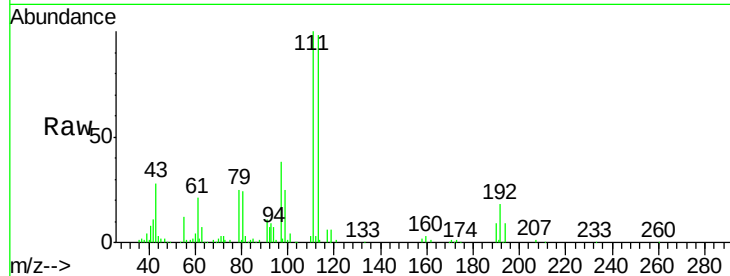
ClientSampleId :

VF0628SBSD01

Tot Ion:	113	Resp:	138629
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.1	123.1
192	18.0	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 20.57 ug/l

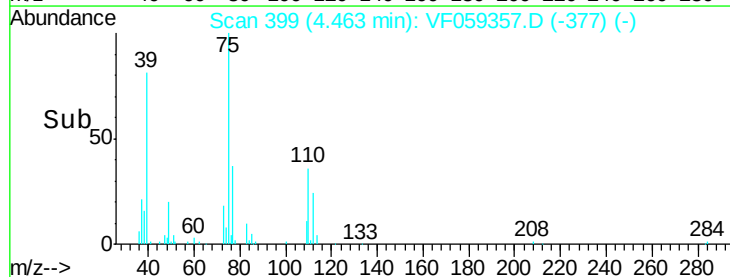
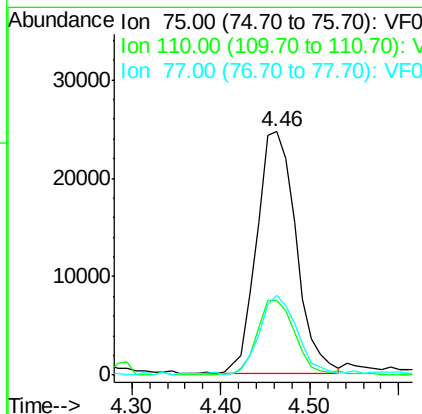
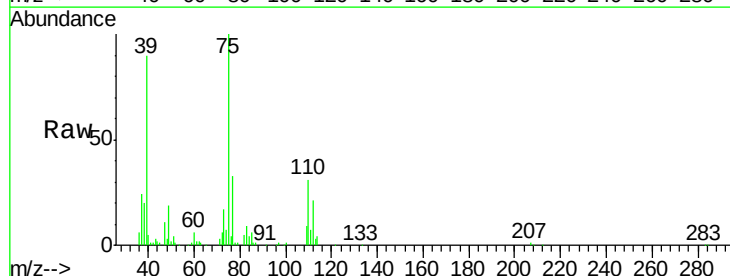
RT: 4.46 min Scan# 399

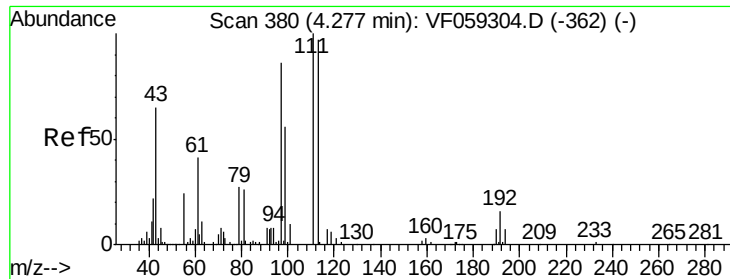
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	75	Resp:	74539
Ion Ratio	Lower	Upper	
75	100		
110	30.6	14.8	44.4
77	33.0	25.2	37.8





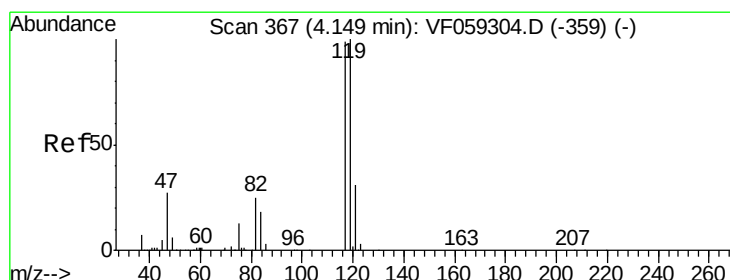
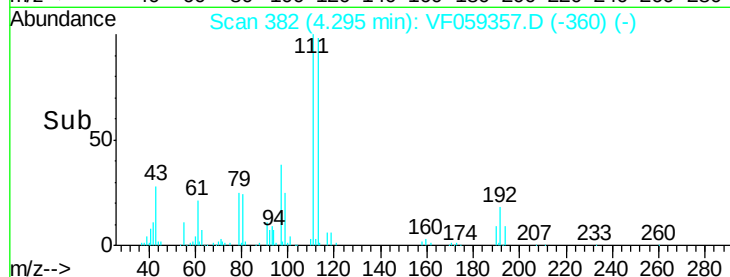
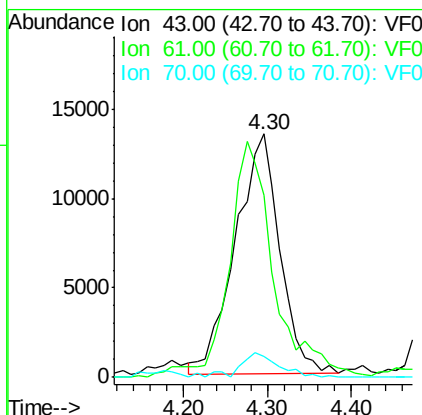
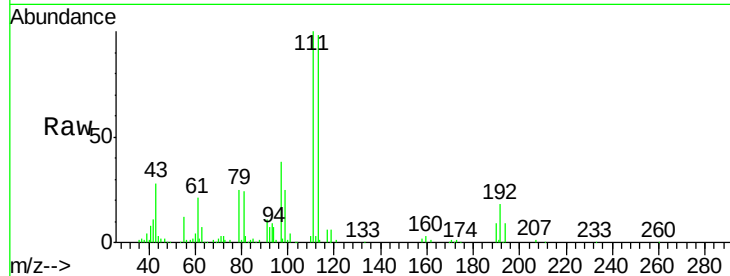
#37
Ethyl Acetate
Concen: 20.48 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	75.0	50.1	75.1			
70	8.7	6.2	9.4			

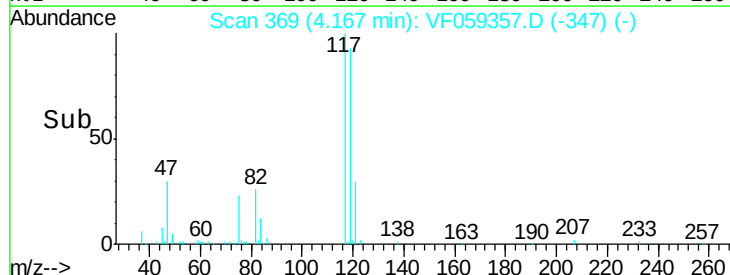
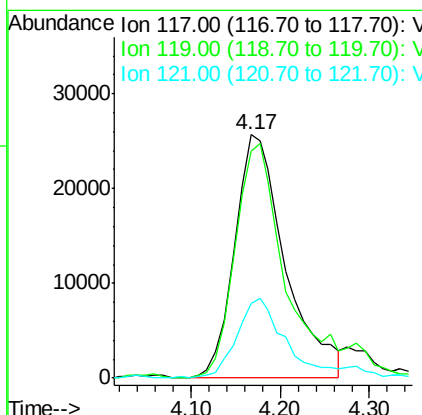
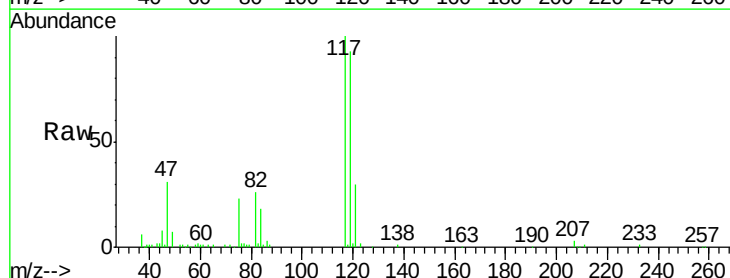
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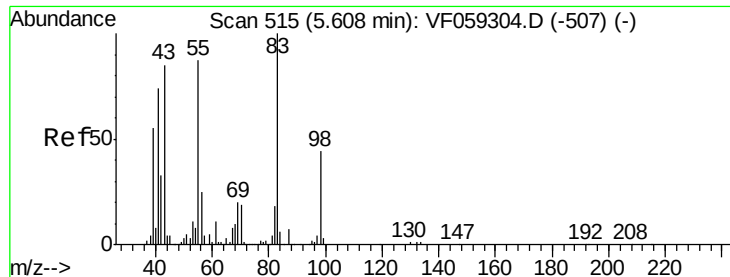
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#38
Carbon Tetrachloride
Concen: 22.28 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	93.0	81.0	121.4			
121	30.5	24.7	37.1			





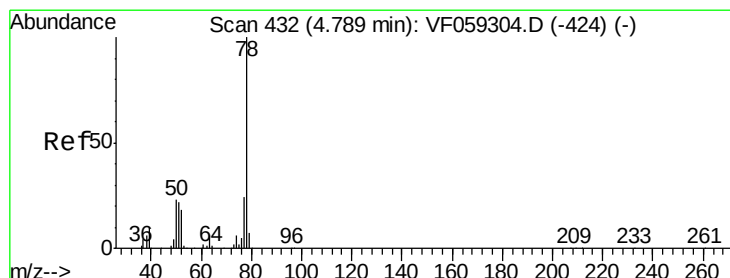
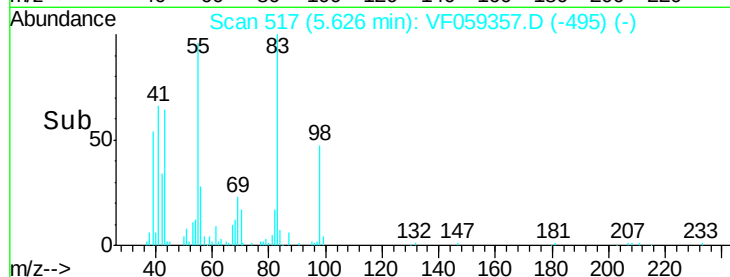
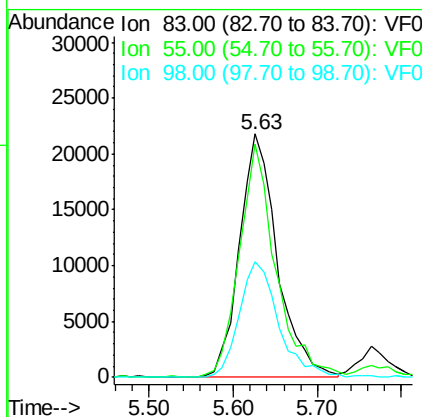
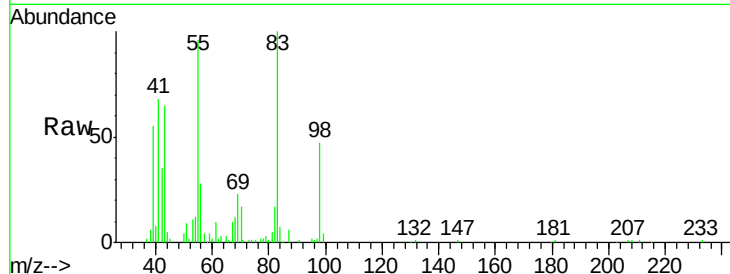
#39
Methylvlcyclohexane
Concen: 21.37 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.6	69.2	103.8
98	47.3	35.0	52.6

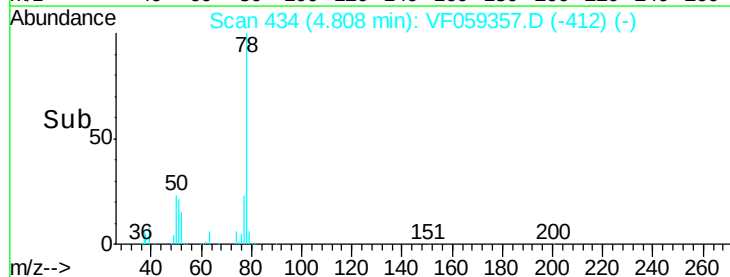
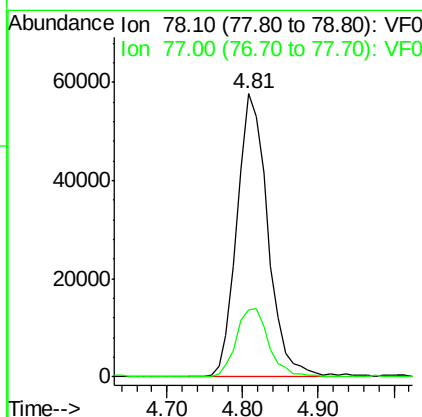
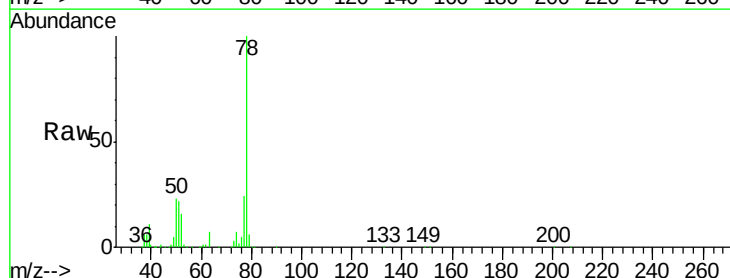
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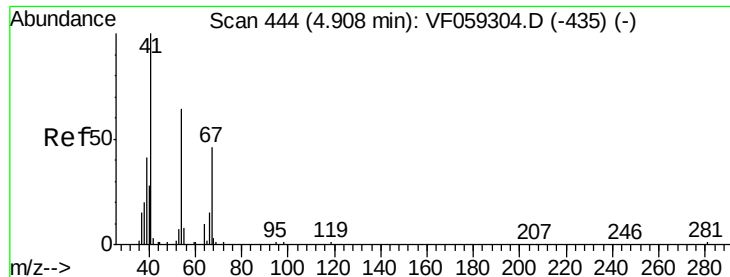
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#40
Benzene
Concen: 20.37 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





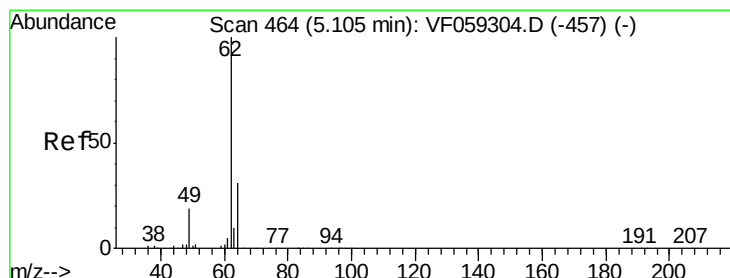
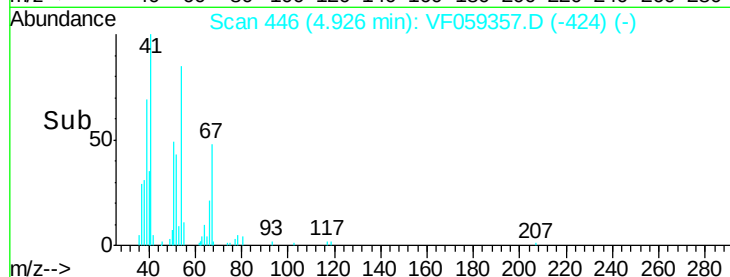
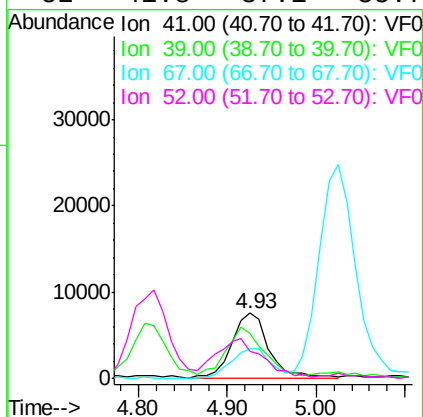
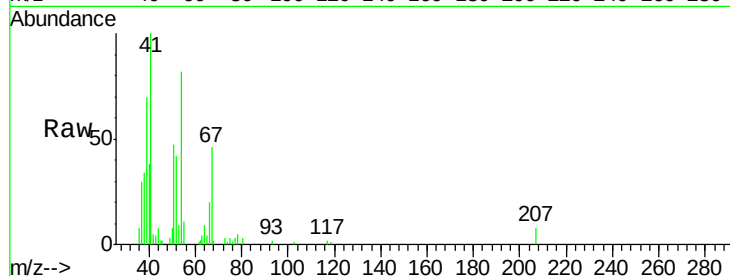
#41
Methacrylonitrile
Concen: 17.82 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	41	Resp	22036
Ion	Ratio	Lower	Upper
41	100		
39	70.0	50.0	75.0
67	45.8	37.0	55.6
52	41.8	37.1	55.7

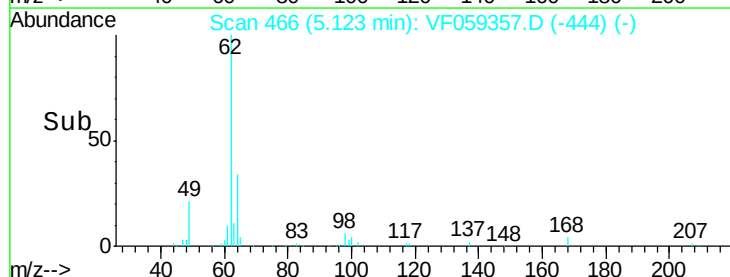
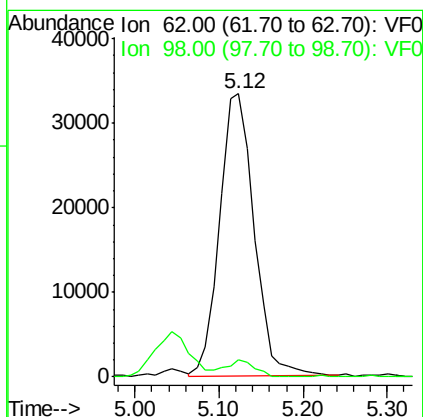
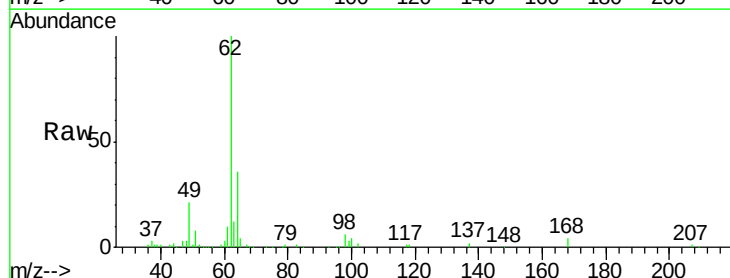
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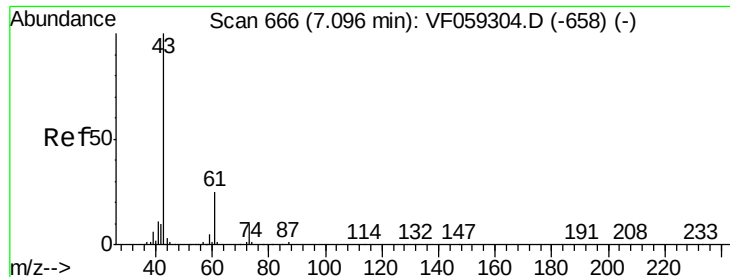
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#42
1,2-Dichloroethane
Concen: 20.32 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	62	Resp	95431
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.4





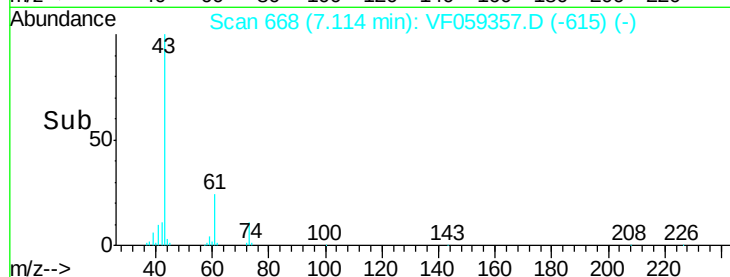
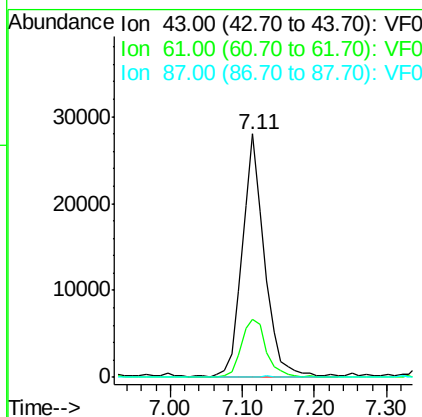
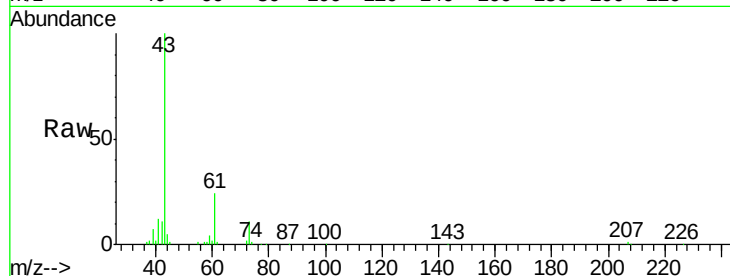
#43
Isopropyl Acetate
Concen: 20.16 ug/l
RT: 7.11 min Scan# 668
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.7	29.5
87	0.4	0.5	0.7#

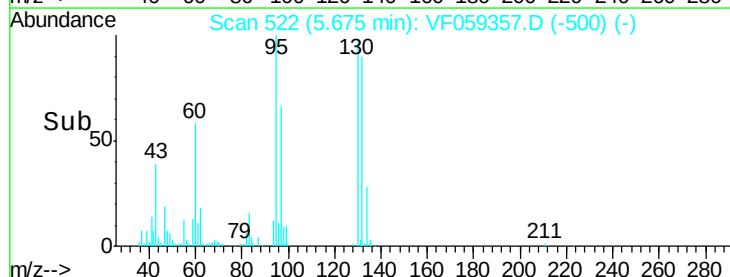
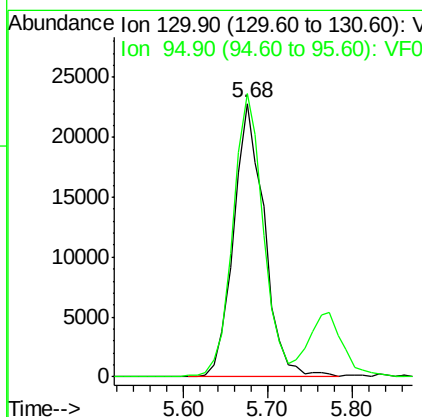
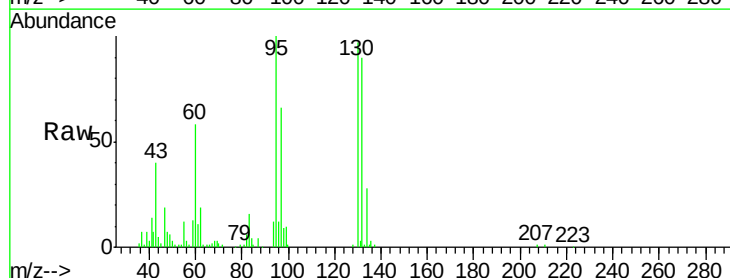
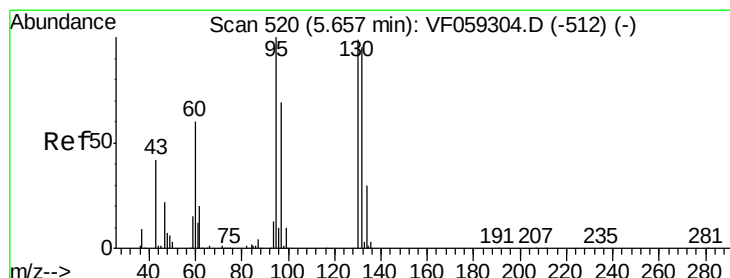
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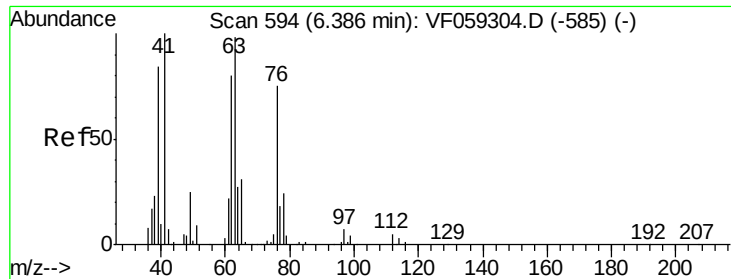
apatel
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#44
Trichloroethene
Concen: 21.01 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	202.4





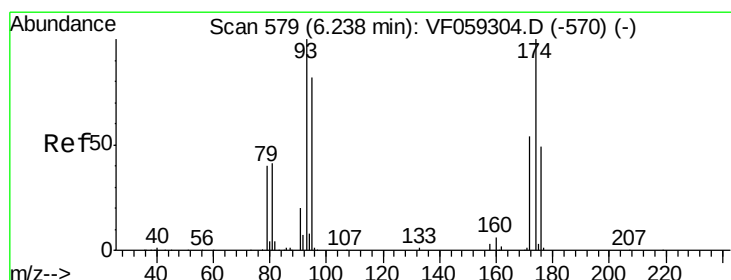
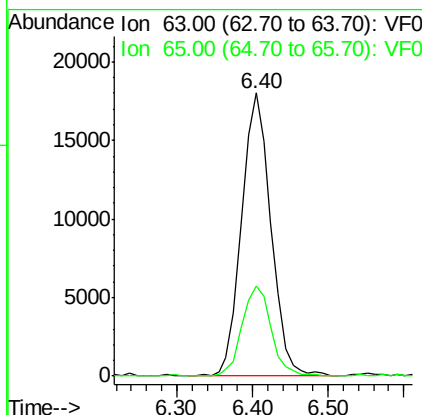
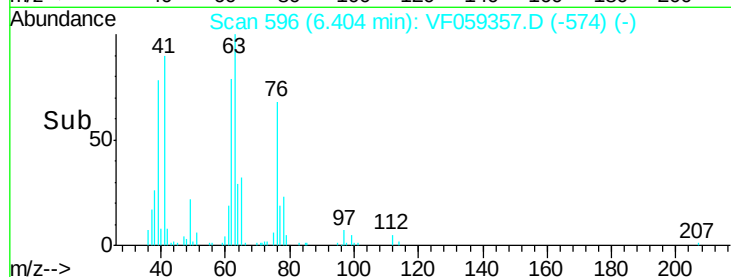
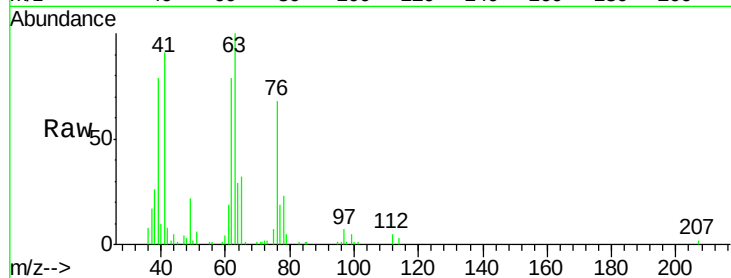
#45
 1,2-Dichloropropane
 Concen: 21.14 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion: 63 Resp: 48529
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.3 37.9

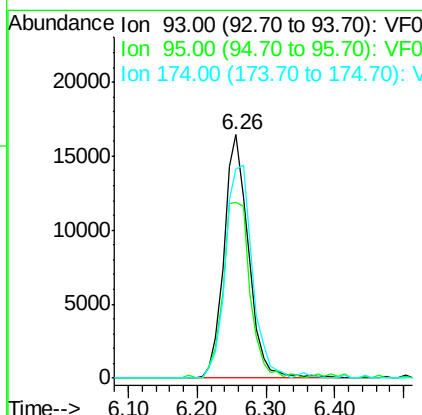
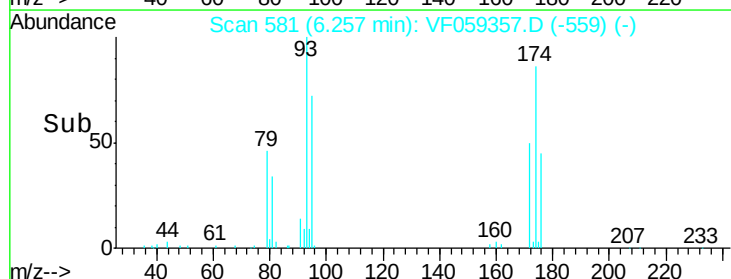
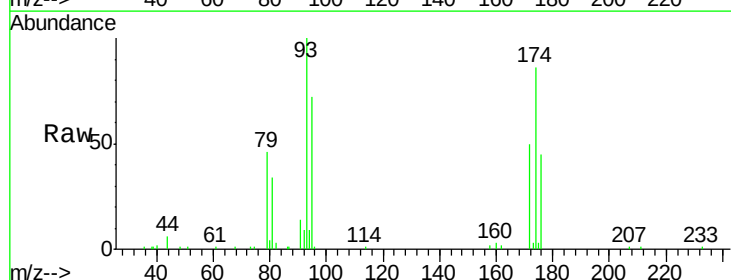
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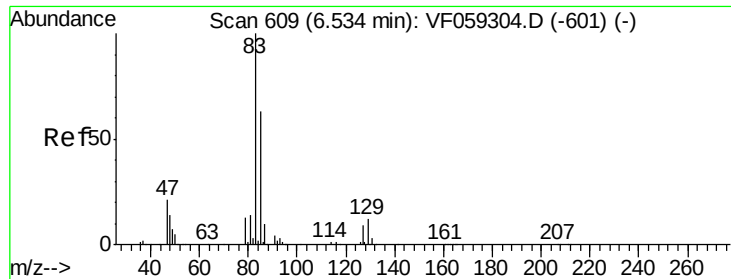
apatel
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#46
 Dibromomethane
 Concen: 20.42 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion: 93 Resp: 40685
 Ion Ratio Lower Upper
 93 100
 95 73.3 65.6 98.4
 174 85.7 80.0 120.0





#47

Bromodichloromethane

Concen: 20.28 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

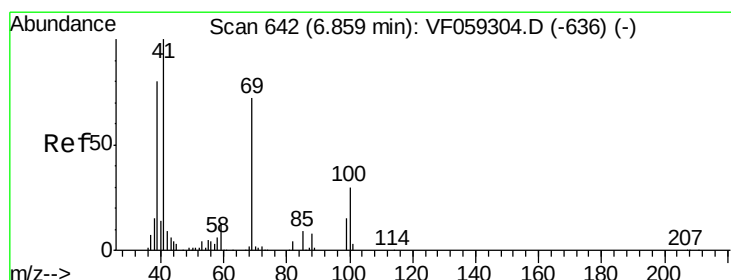
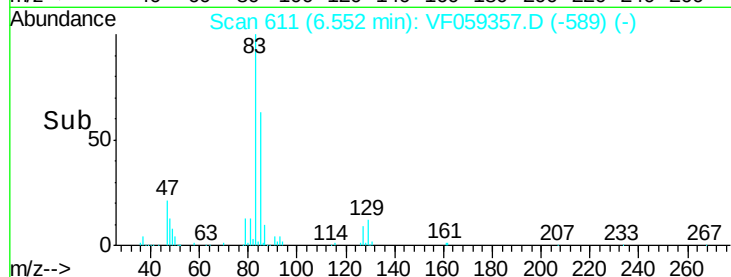
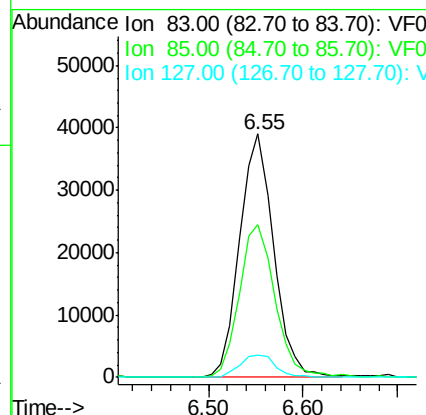
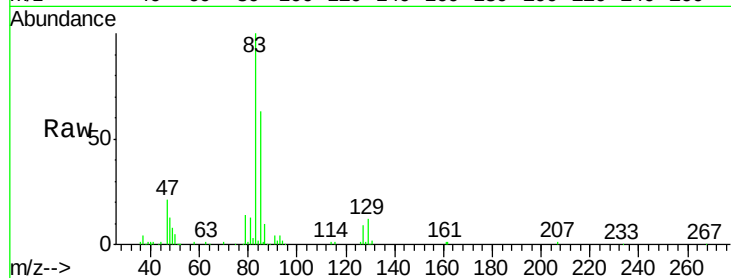
ClientSampleId :

VF0628SBS01

Tot Ion:	83	Resp:	97845
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.2	75.2
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.27 ug/l

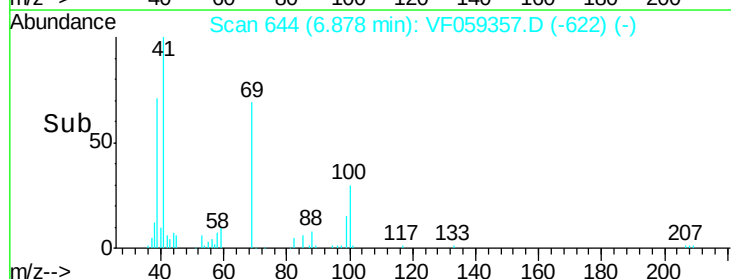
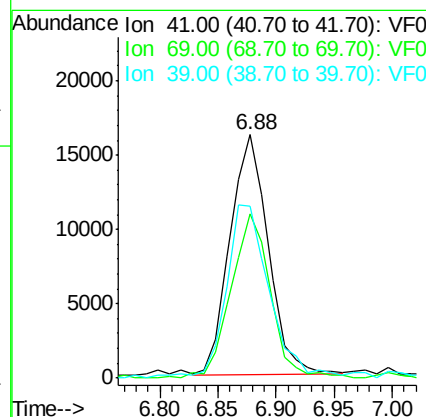
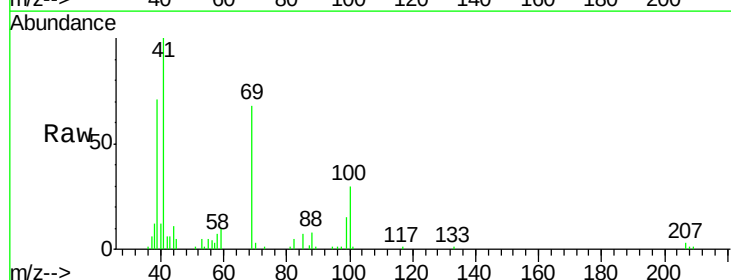
RT: 6.88 min Scan# 644

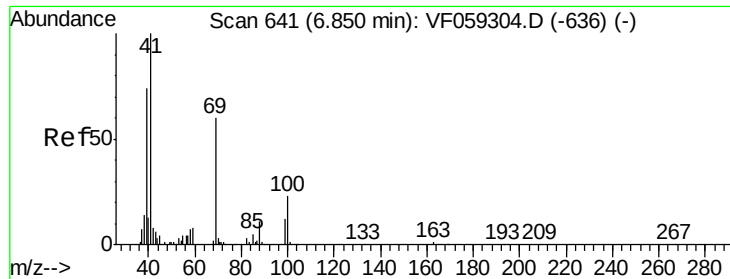
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	41	Resp:	36961
Ion	Ratio	Lower	Upper
41	100		
69	67.7	57.3	85.9
39	70.6	64.4	96.6





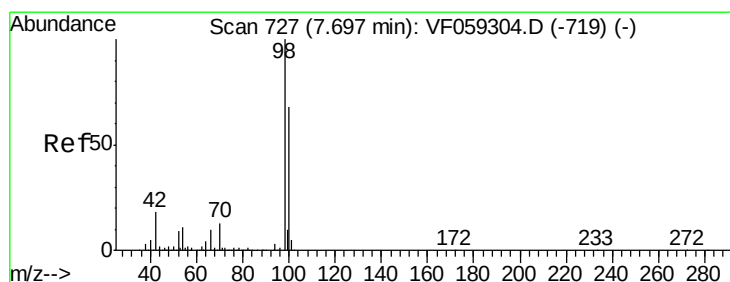
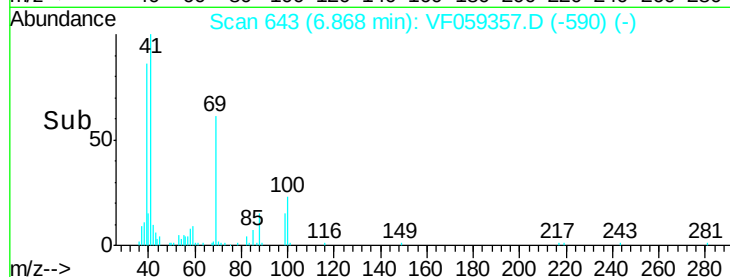
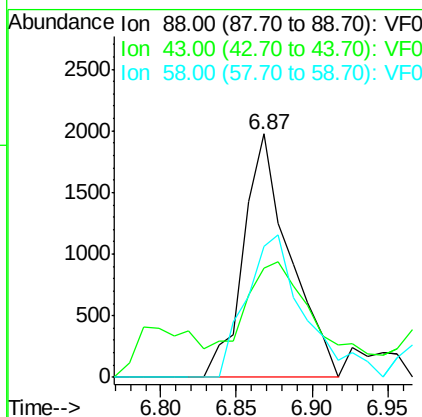
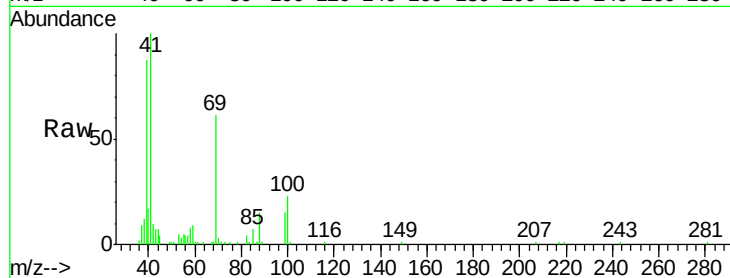
#49
1,4-Dioxane
Concen: 362.65 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.7	50.6	75.8#
58	53.8	46.6	69.8

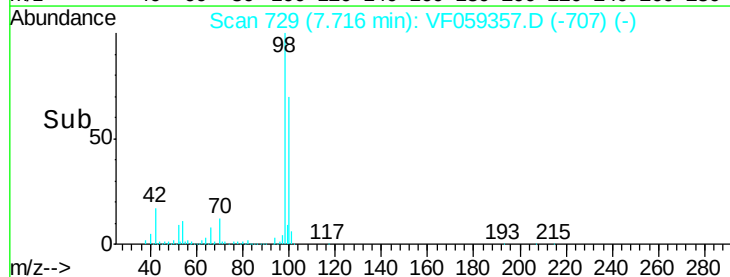
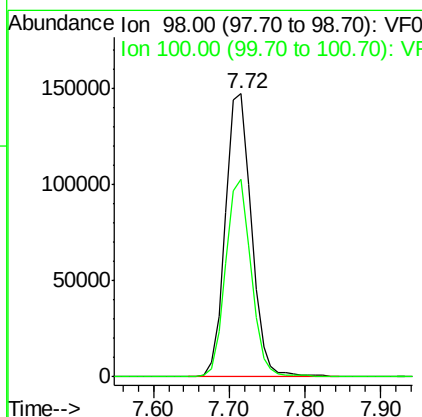
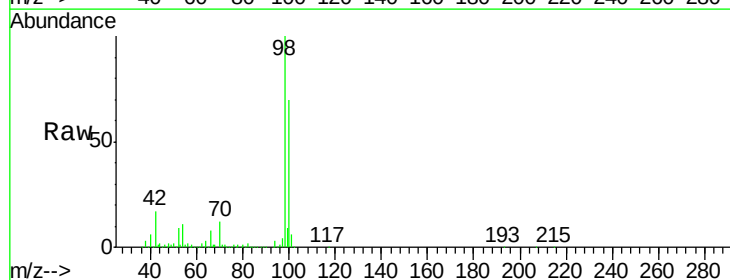
Manual Integrations
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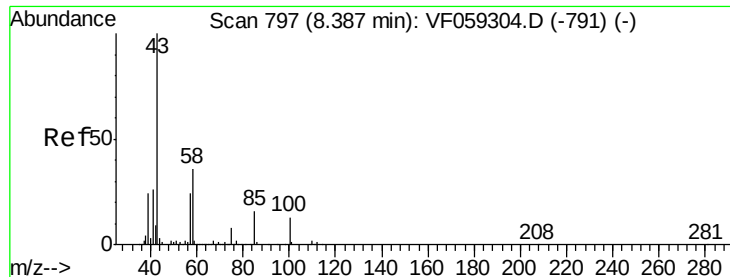
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#50
Toluene-d8
Concen: 46.82 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 98.52 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 43 Resp: 220363

Ion Ratio Lower Upper

43 100

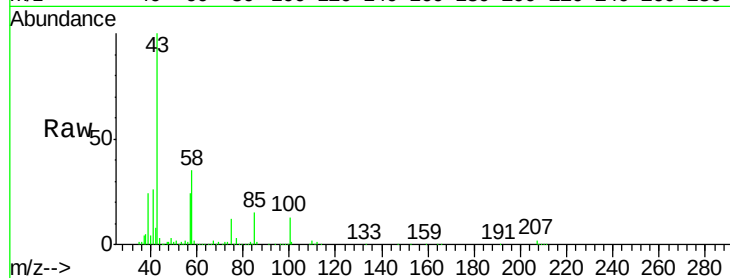
58 35.0 28.4 42.6

Manual Integrations

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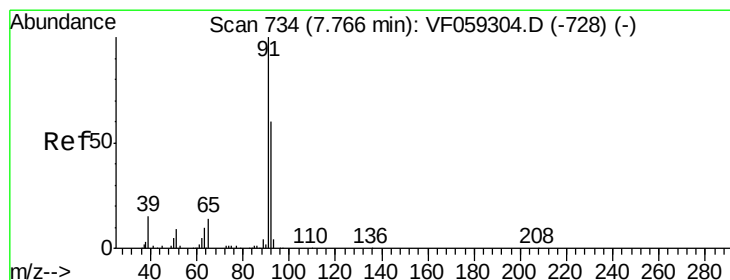
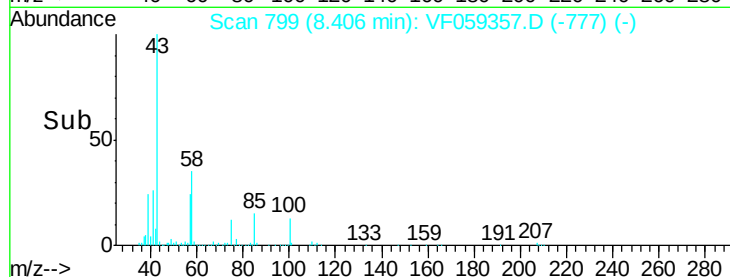
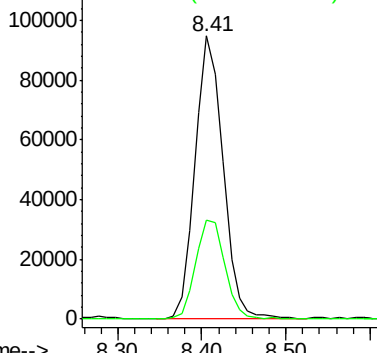
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.67 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF059357.D

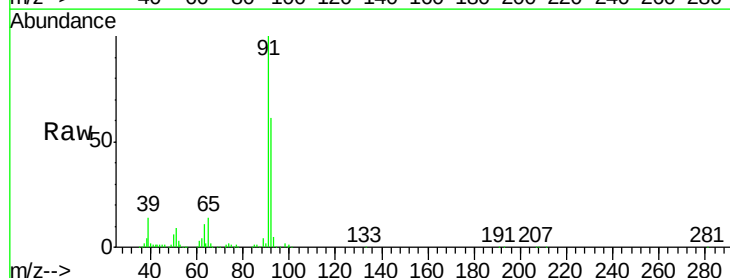
Acq: 28 Jun 2018 13:41

Tgt Ion: 92 Resp: 124287

Ion Ratio Lower Upper

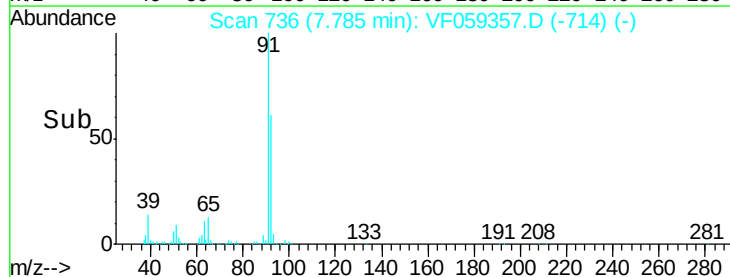
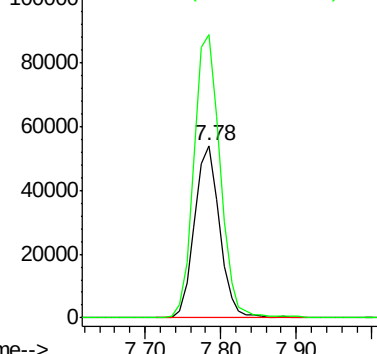
92 100

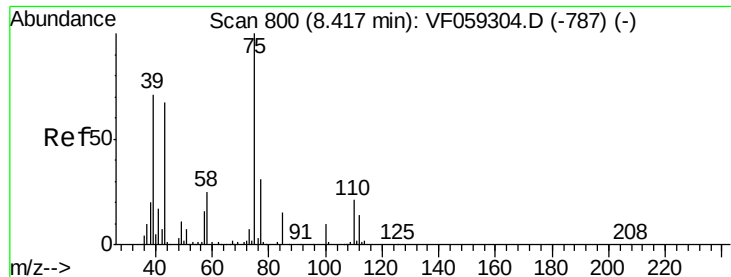
91 164.5 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.81 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 75 Resp: 91486

Ion Ratio Lower Upper

75 100

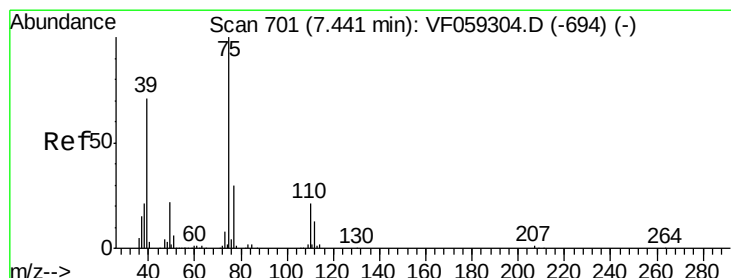
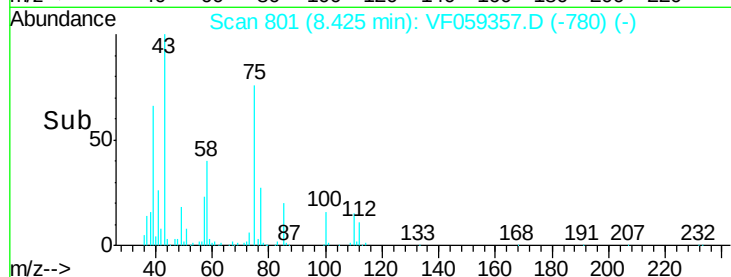
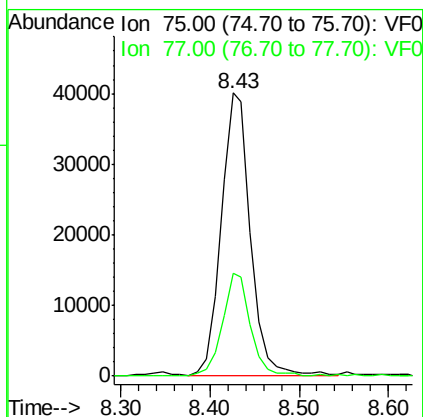
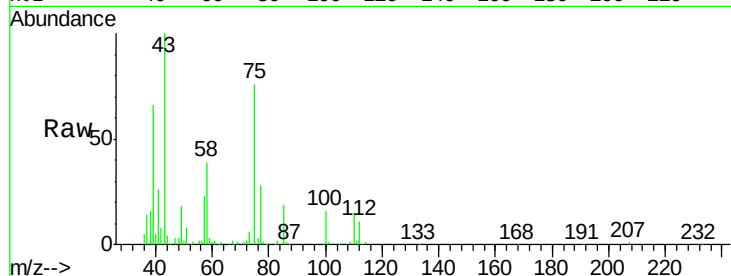
77 36.6 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 19.88 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

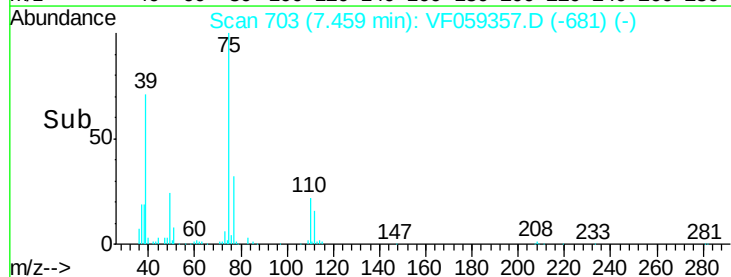
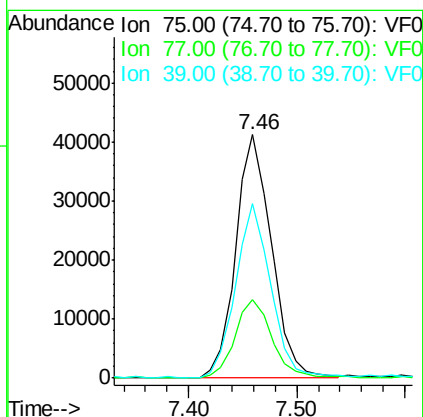
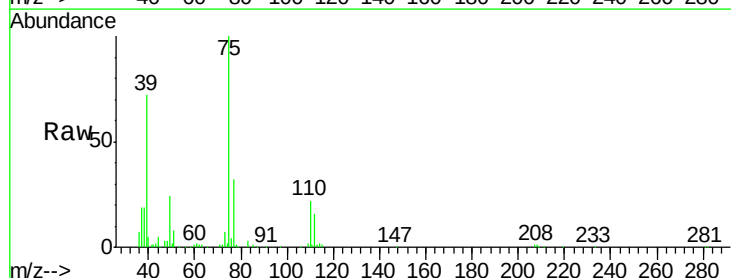
Tgt Ion: 75 Resp: 94963

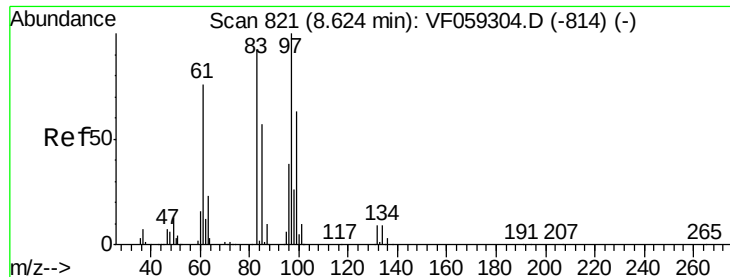
Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

39 71.8 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 20.87 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

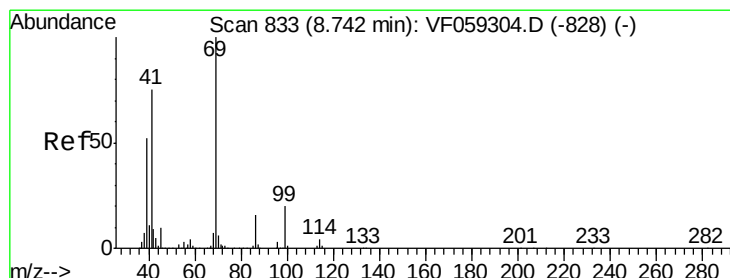
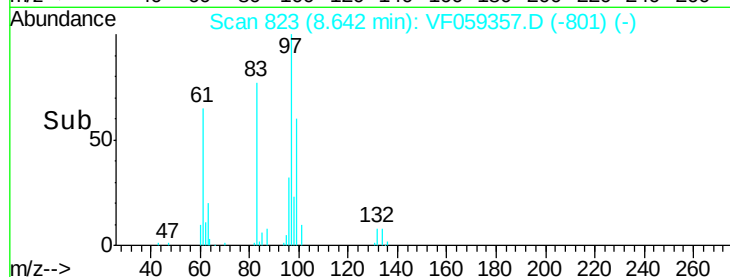
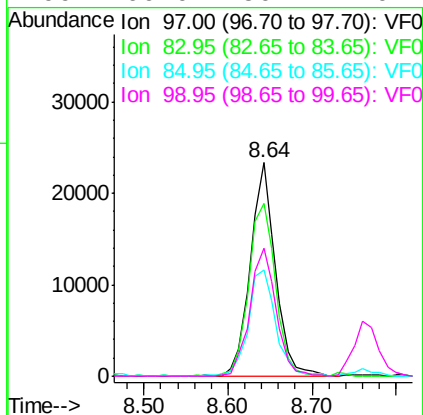
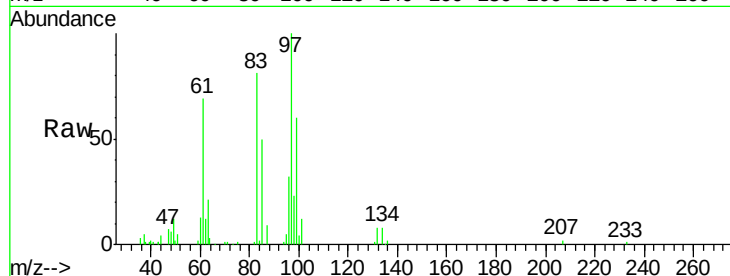
ClientSampleId :

VF0628SBS01

Tot Ion:	97	Resp:	48734
Ion	Ratio	Lower	Upper
97	100		
83	80.7	73.8	110.8
85	49.9	45.5	68.3
99	60.0	50.7	76.1

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#56

Ethyl methacrylate

Concen: 19.25 ug/l

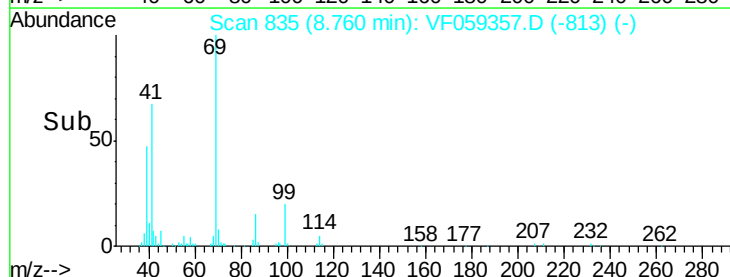
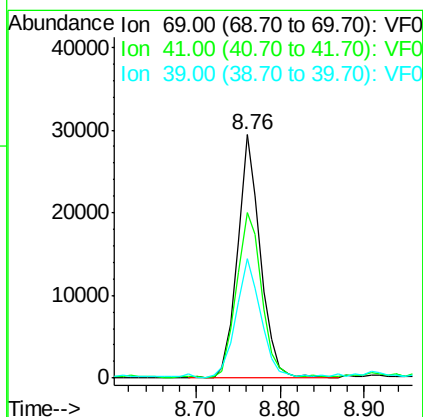
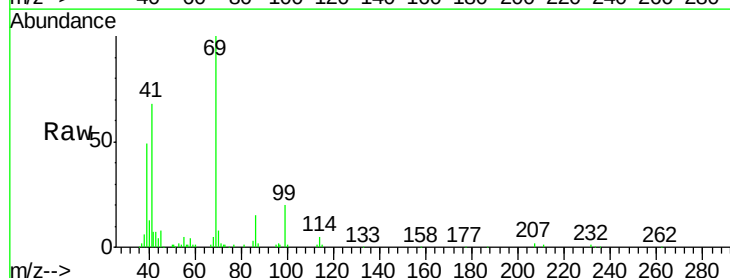
RT: 8.76 min Scan# 835

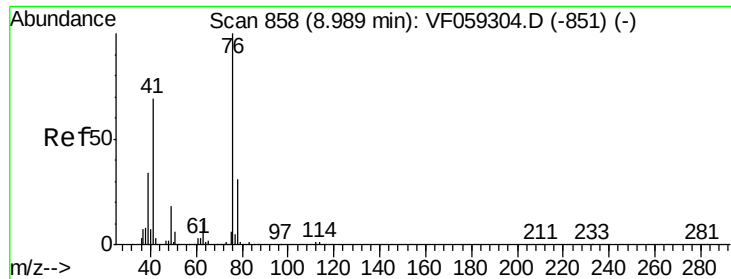
Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	69	Resp:	55678
Ion	Ratio	Lower	Upper
69	100		
41	68.1	60.3	90.5
39	48.9	42.2	63.4





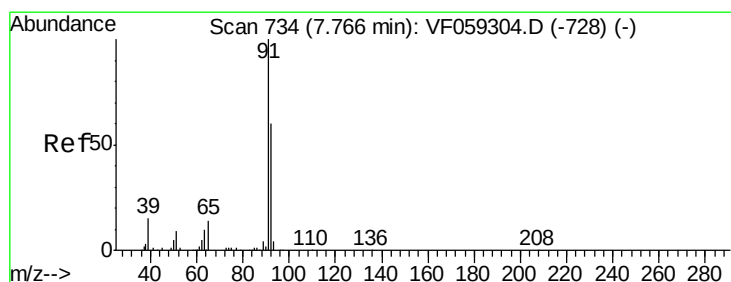
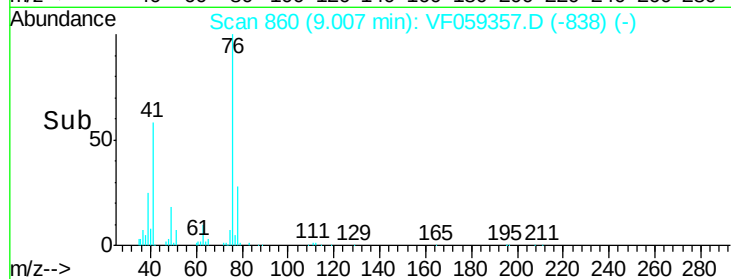
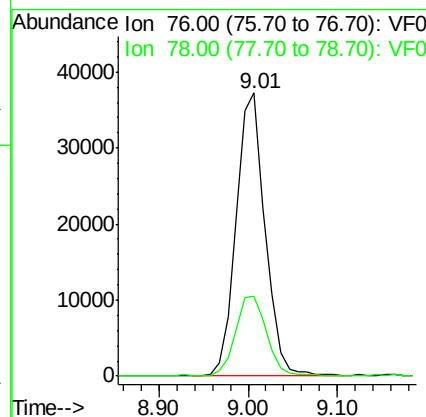
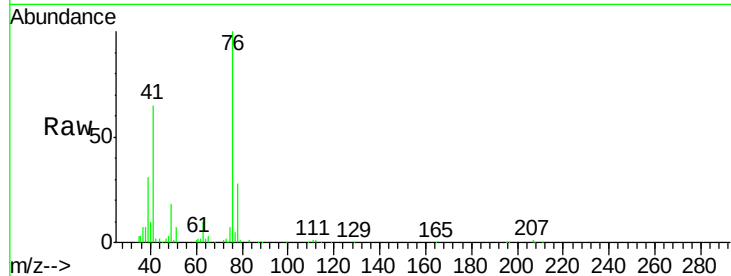
#57
 1,3-Dichloropropane
 Concen: 21.16 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.3	24.9	37.3

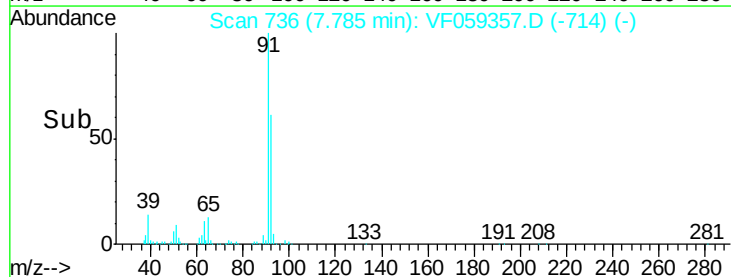
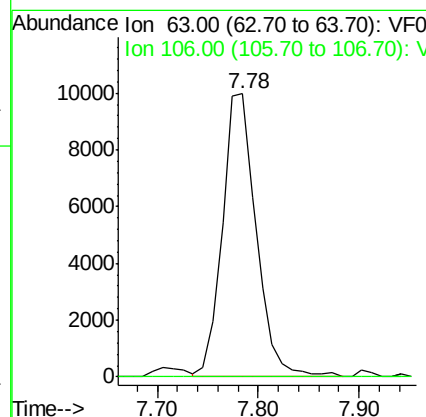
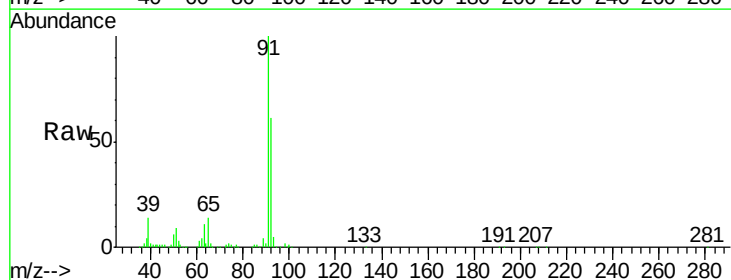
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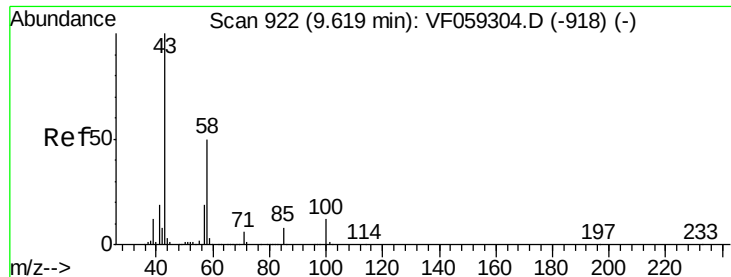
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.71 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





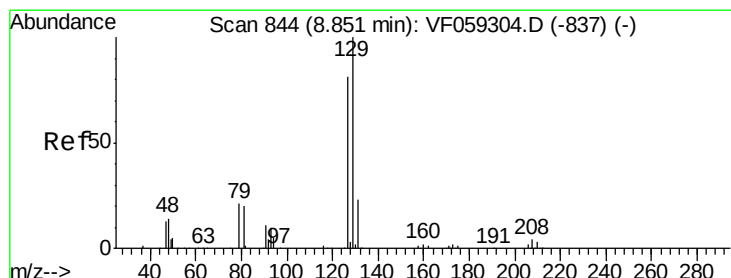
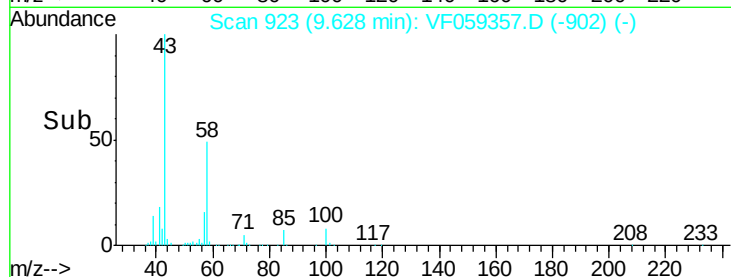
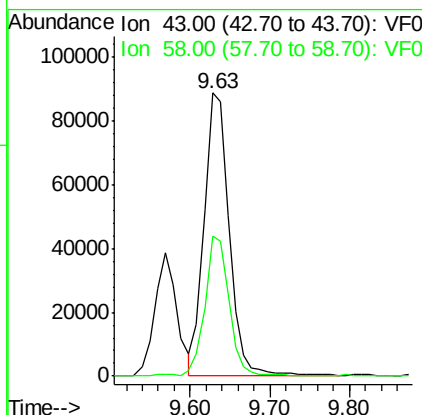
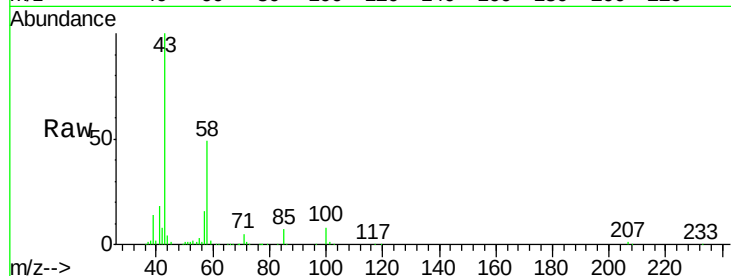
#59
2-Hexanone
Concen: 105.82 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	23.3	69.9

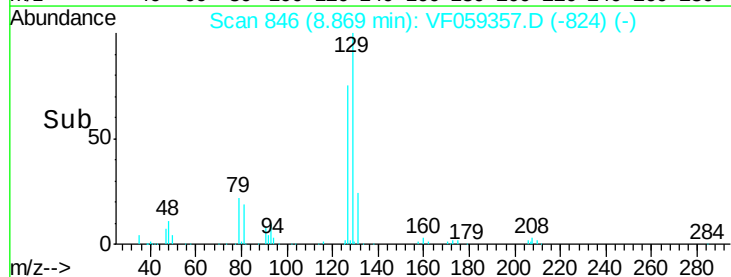
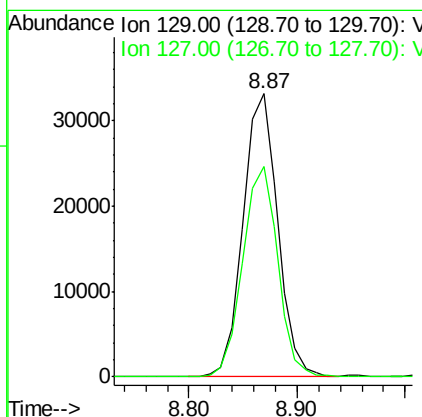
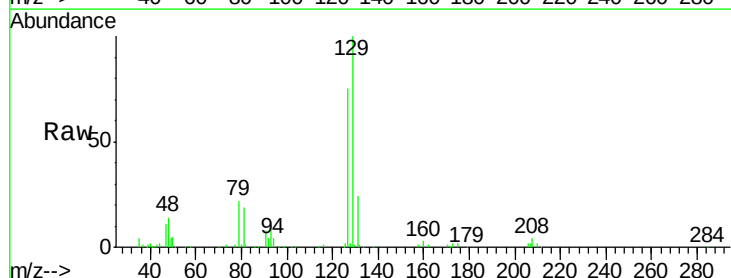
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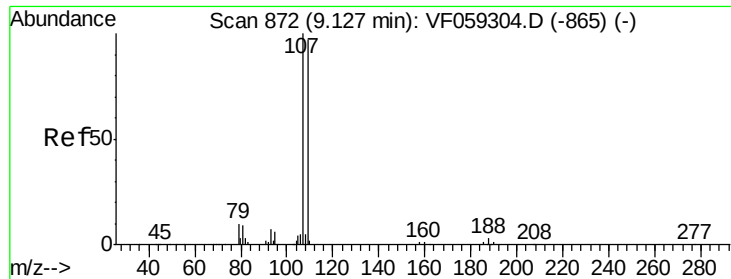
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#60
Dibromochloromethane
Concen: 20.64 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	40.7	122.1





#61

1,2-Dibromoethane

Concen: 20.05 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:107 Resp: 56769

Ion Ratio Lower Upper

107 100

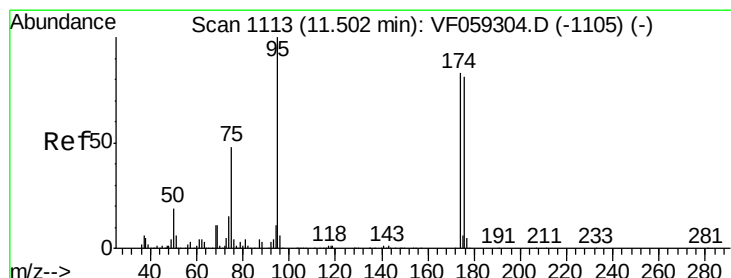
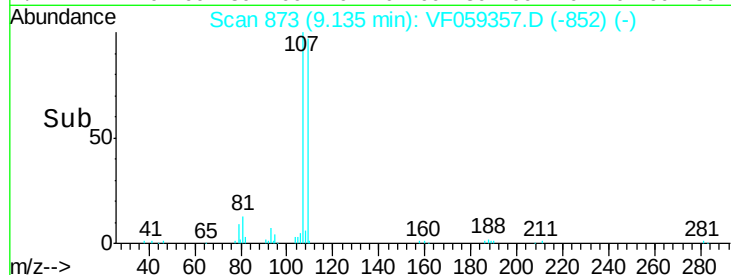
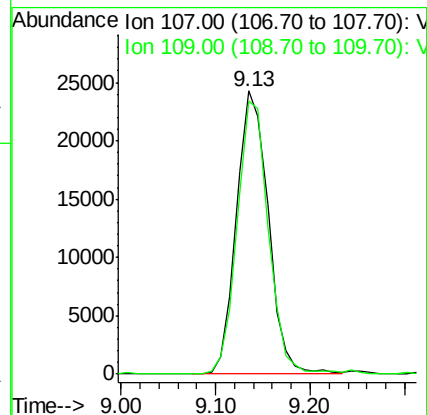
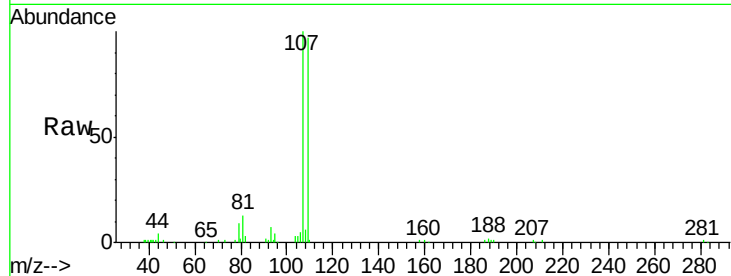
109 96.6 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 47.04 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

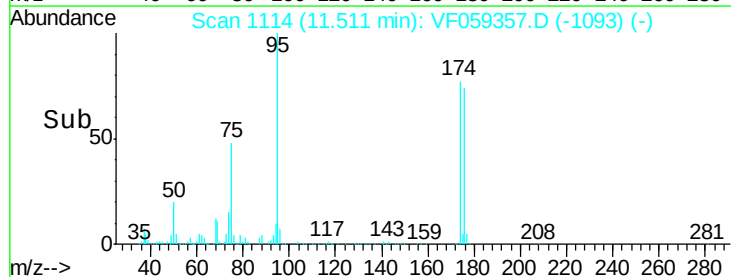
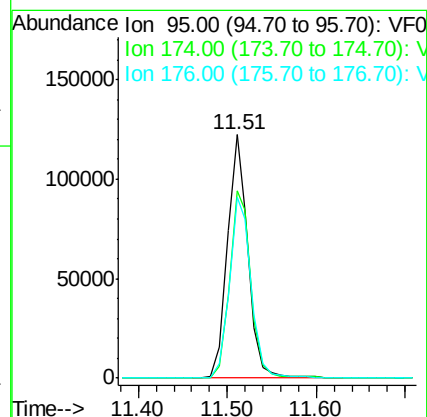
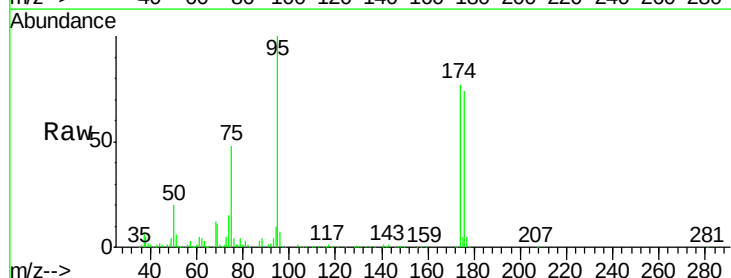
Tgt Ion: 95 Resp: 199172

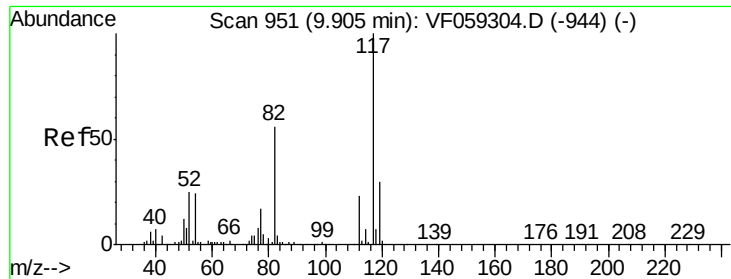
Ion Ratio Lower Upper

95 100

174 76.9 0.0 165.2

176 74.1 0.0 161.0





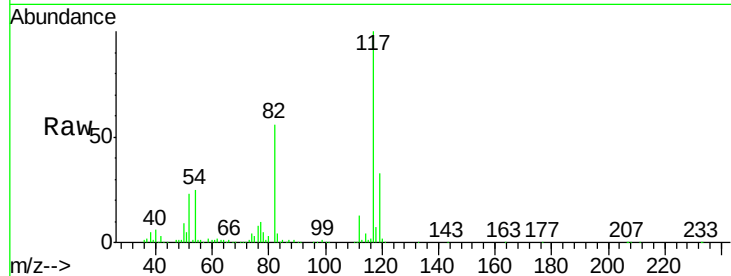
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	66.8
119	33.2	24.1	36.1

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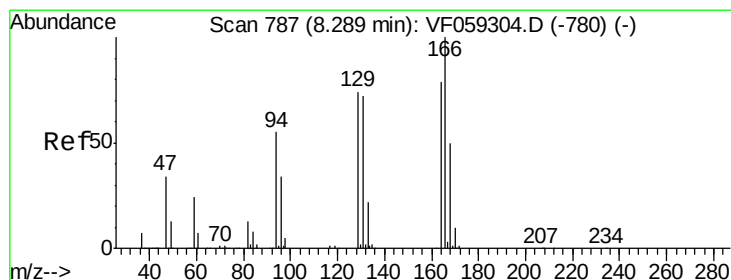
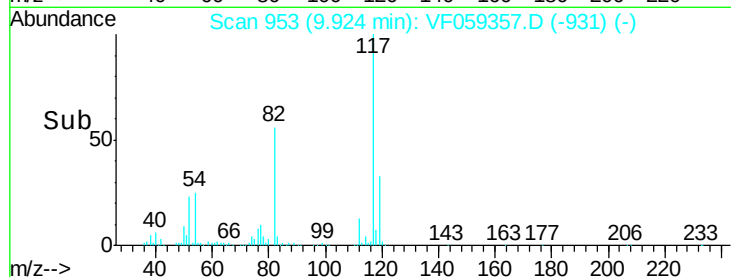
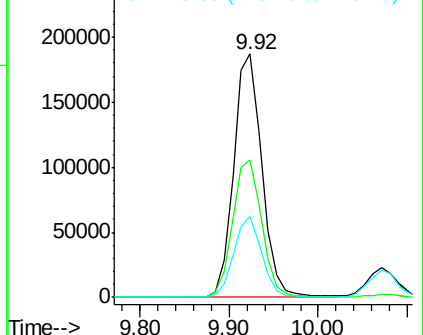


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.19 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.1	101.1	151.7
129	104.6	75.0	112.4
131	99.6	73.3	109.9

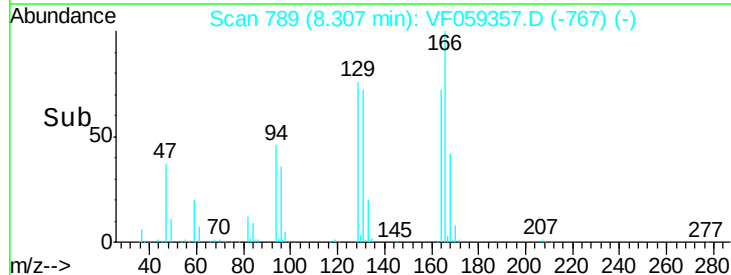
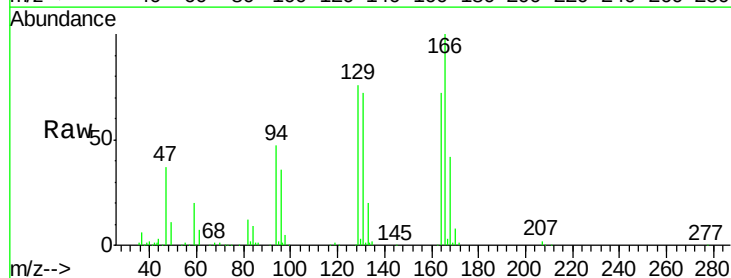
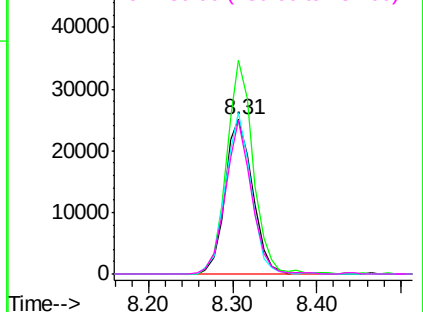
Abundance

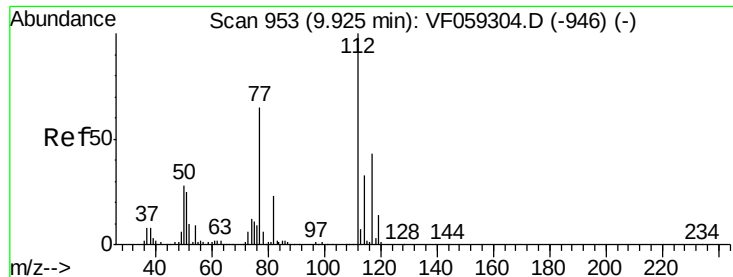
Ion 163.85 (163.55 to 164.55): V

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





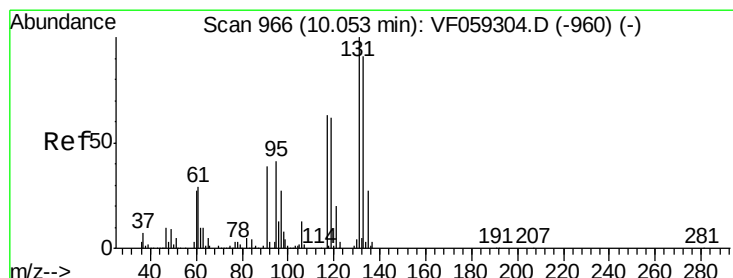
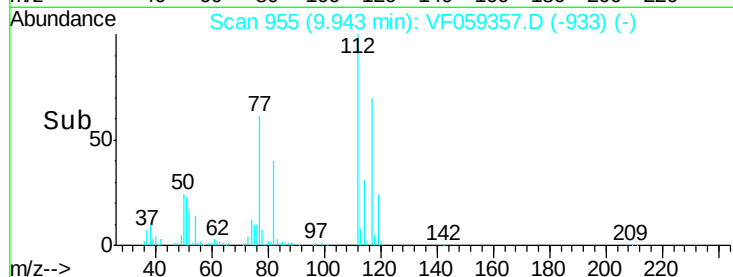
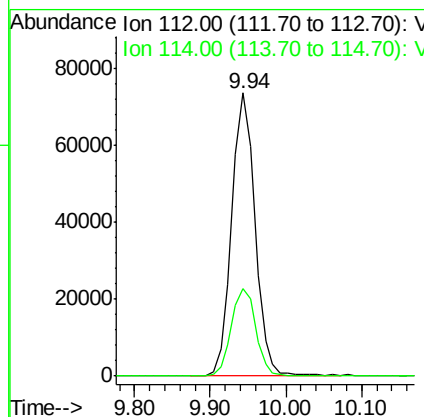
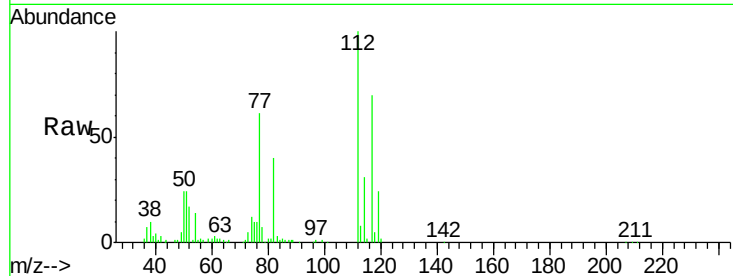
#65
Chlorobenzene
Concen: 20.49 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.5	39.7

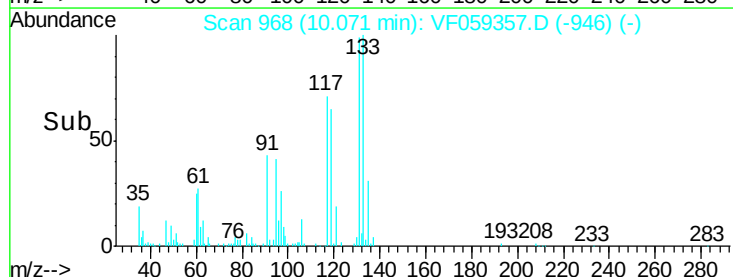
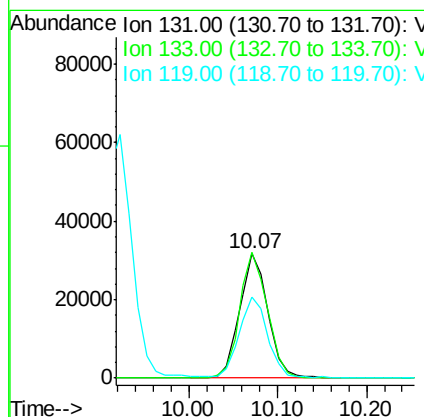
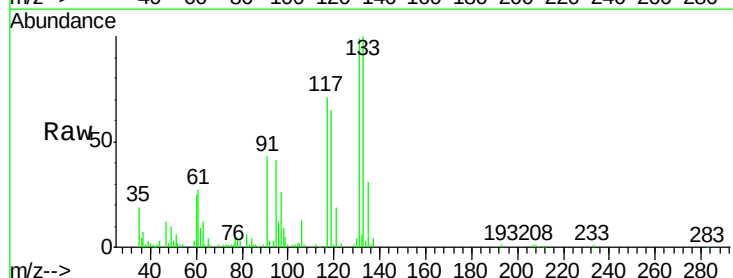
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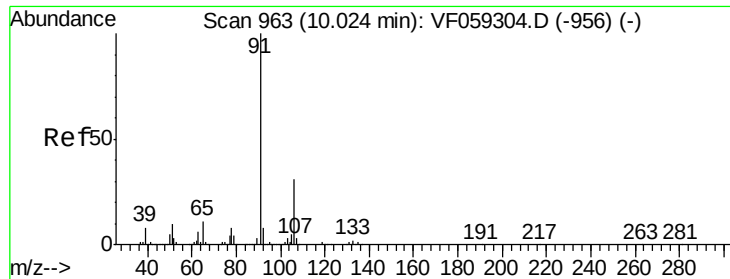
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.94 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.3	45.3	135.9
119	65.4	31.3	93.9





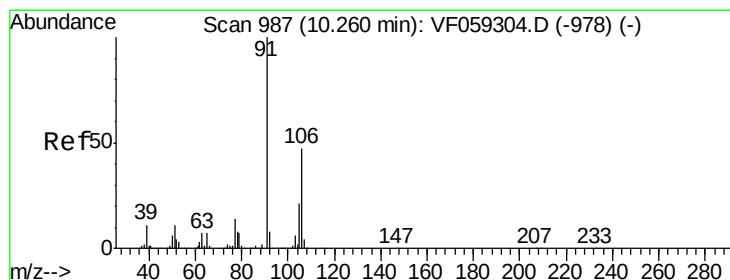
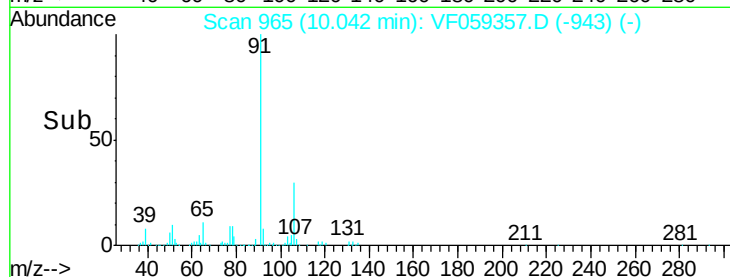
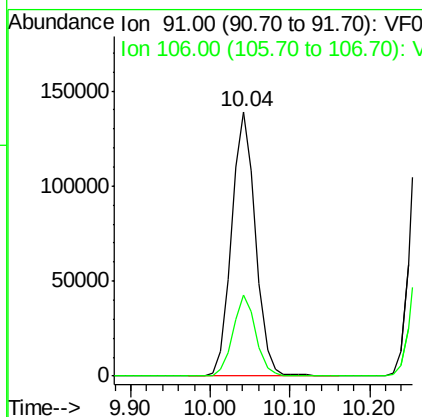
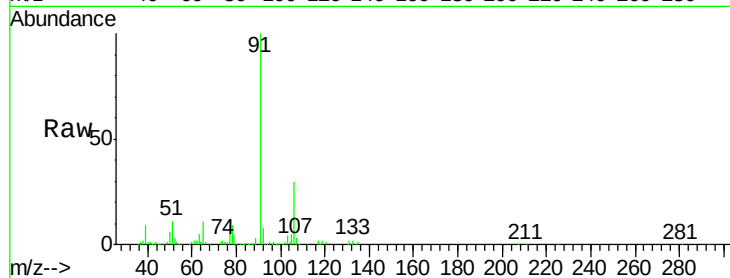
#67
Ethyl Benzene
Concen: 22.42 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		292421		
106	30.5		24.8	37.2	

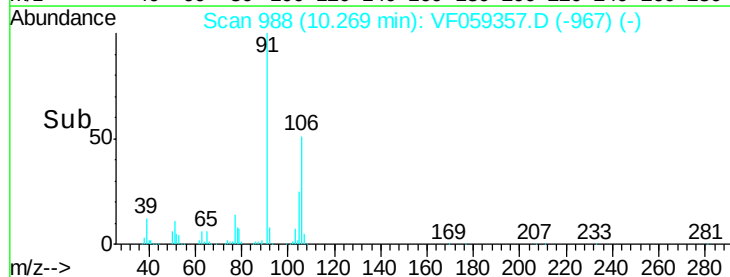
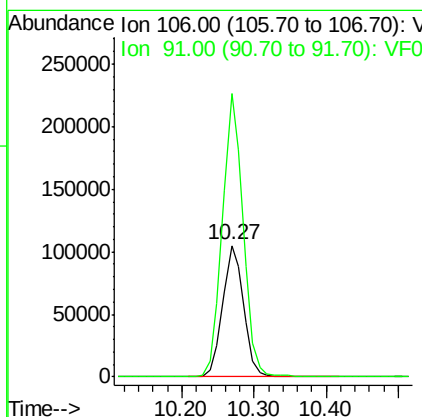
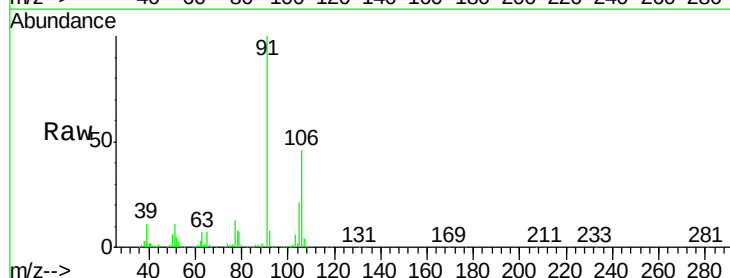
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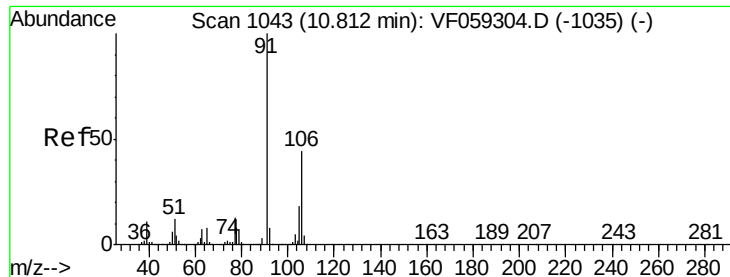
apatel
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#68
m/p-Xylenes
Concen: 45.55 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		211466		
91	215.7		170.8	256.2	





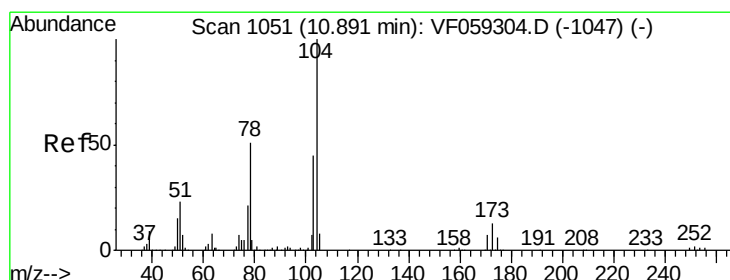
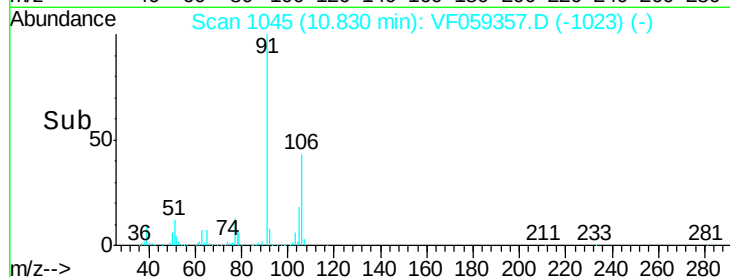
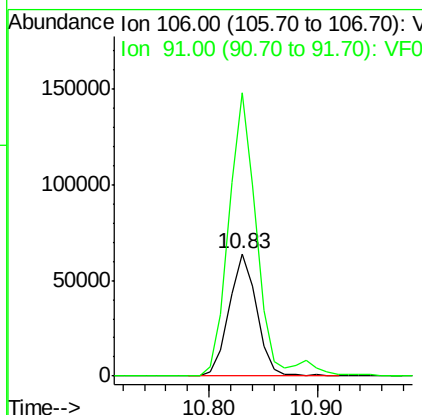
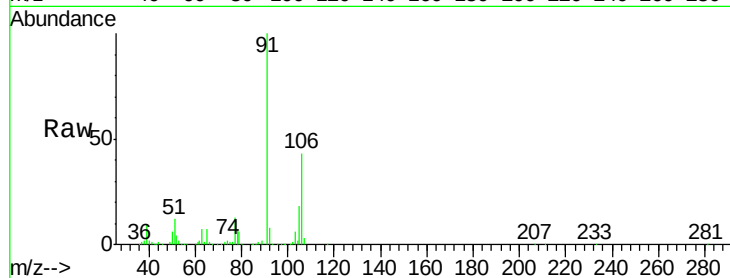
#69
o-Xylene
Concen: 21.97 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion:106 Resp: 114067
Ion Ratio Lower Upper
106 100
91 231.2 114.6 343.6

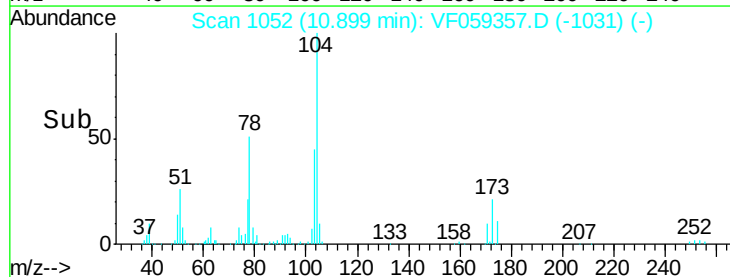
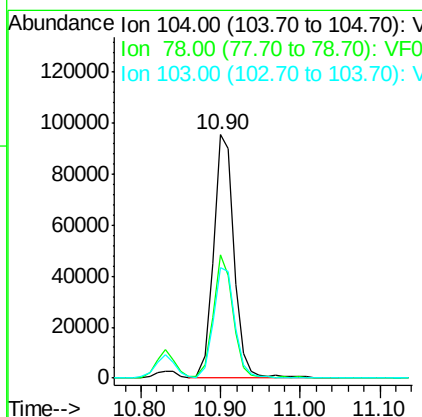
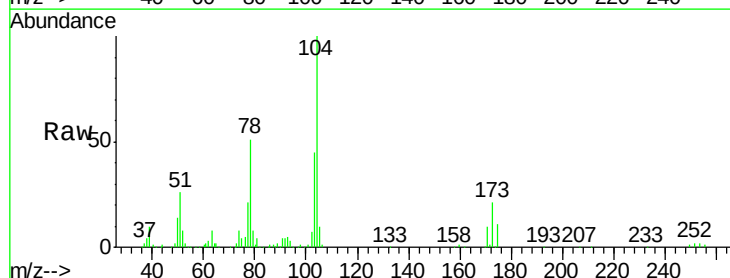
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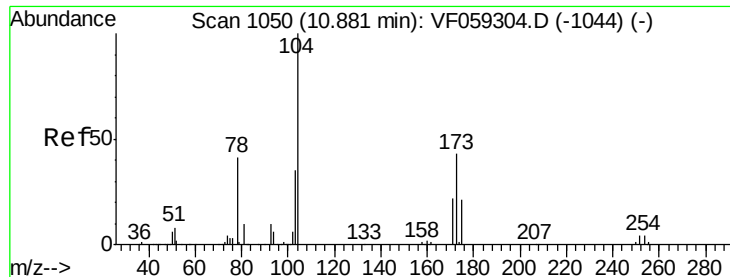
apatel
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#70
Styrene
Concen: 21.91 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion:104 Resp: 173347
Ion Ratio Lower Upper
104 100
78 50.8 40.9 61.3
103 45.1 36.5 54.7





#71

Bromoform

Concen: 19.67 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:173 Resp: 44834

Ion Ratio Lower Upper

173 100

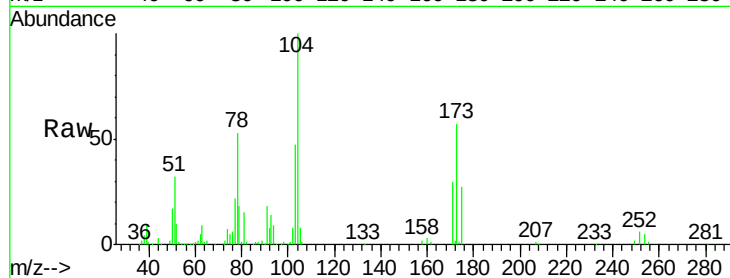
175 48.1 24.8 74.3

254 0.0 0.0 0.0

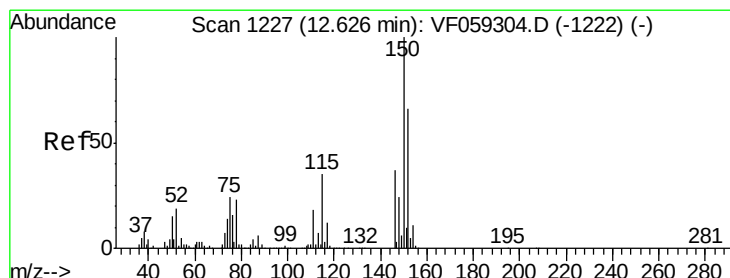
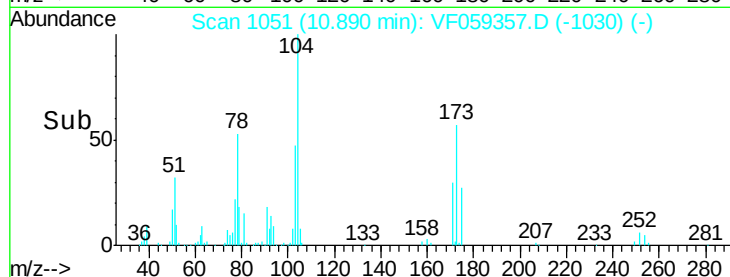
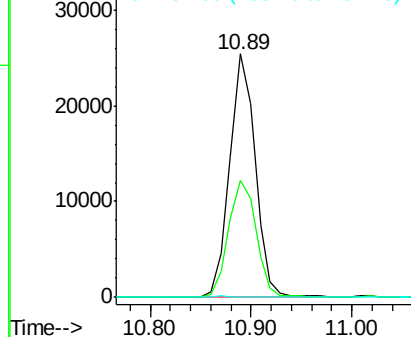
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

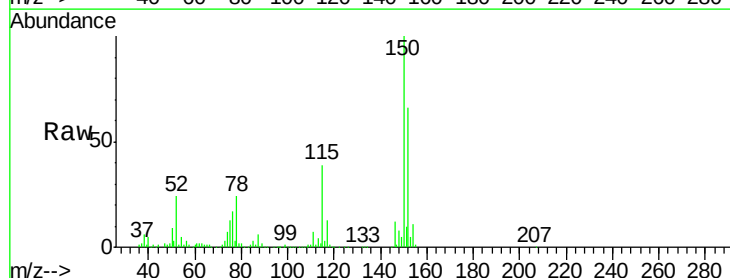
Tgt Ion:152 Resp: 257050

Ion Ratio Lower Upper

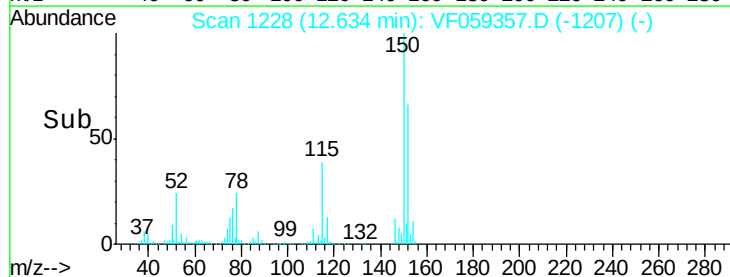
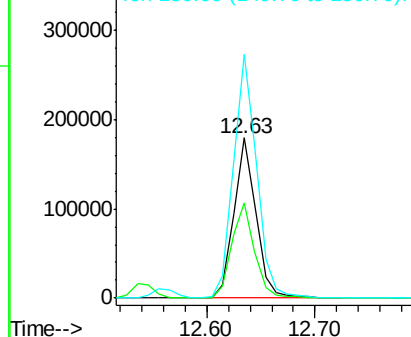
152 100

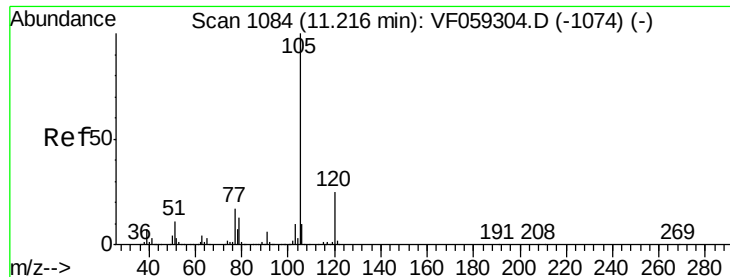
115 59.2 27.1 81.3

150 151.9 0.0 305.2



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





#73

Isopropylbenzene

Concen: 22.47 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 105 Resp: 336458

Ion Ratio Lower Upper

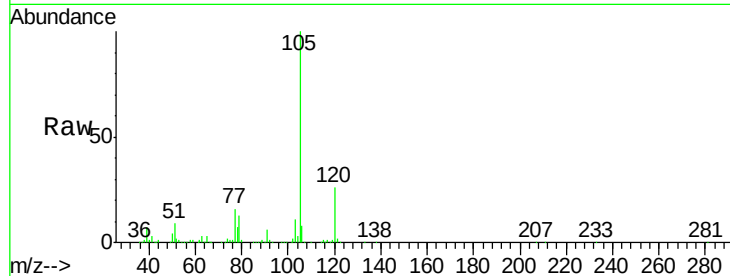
105 100

120 25.9 12.3 36.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

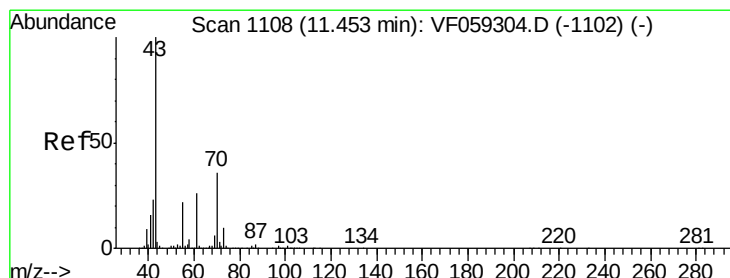
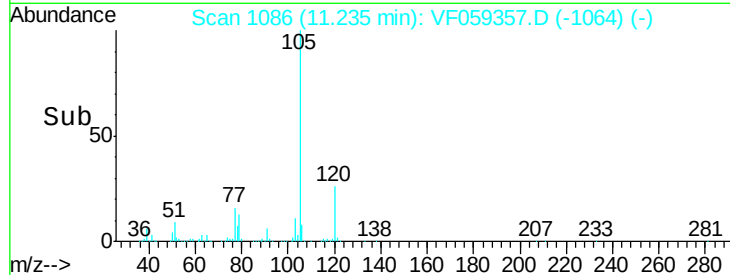
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 20.33 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion: 43 Resp: 110462

Ion Ratio Lower Upper

43 100

70 31.1 28.8 43.2

55 18.4 17.4 26.0

61 23.9 21.1 31.7

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

100000

80000

60000

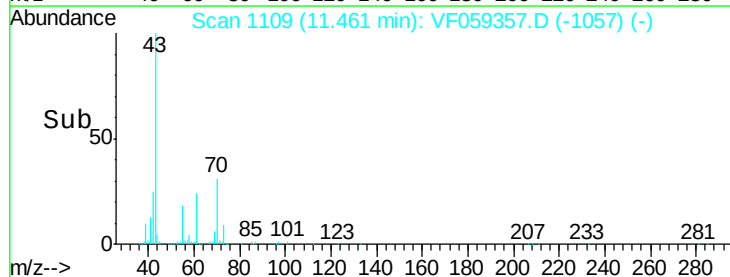
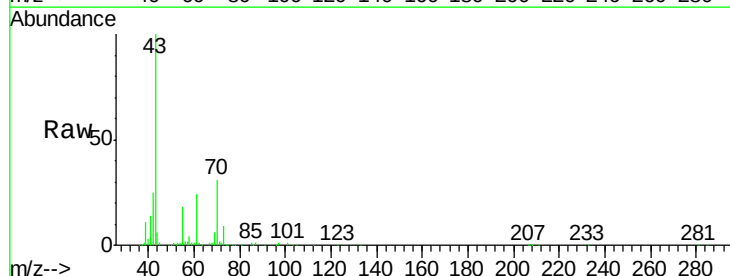
40000

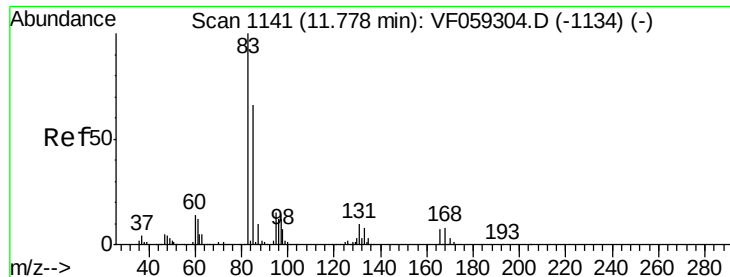
20000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.19 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

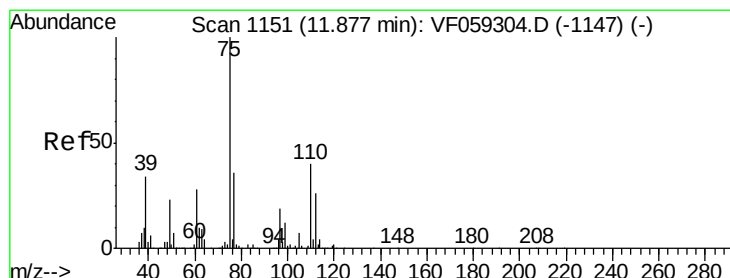
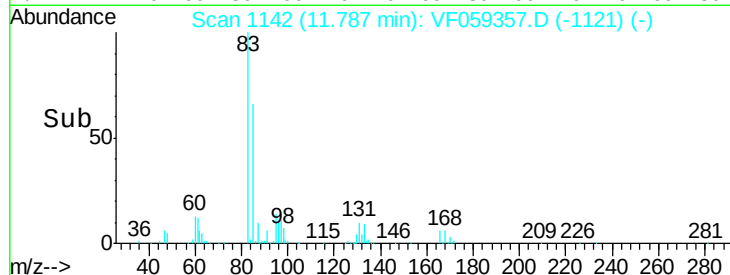
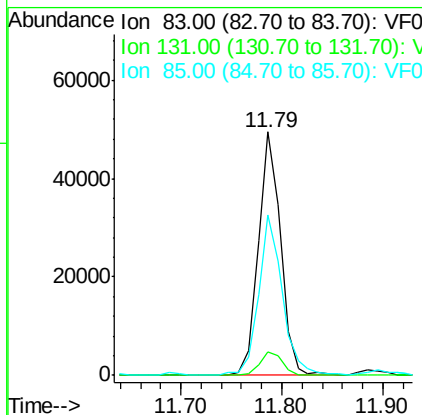
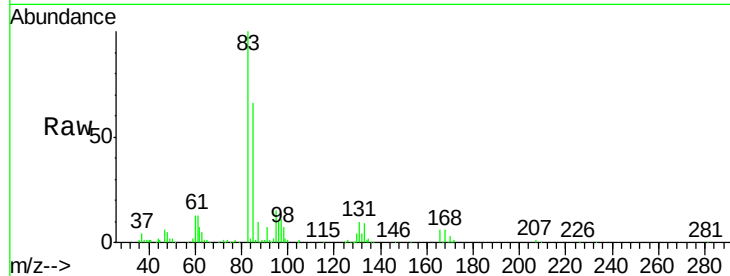
ClientSampleId :

VF0628SBS01

Tot Ion:	83	Resp:	76371
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	65.9	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 20.48 ug/l

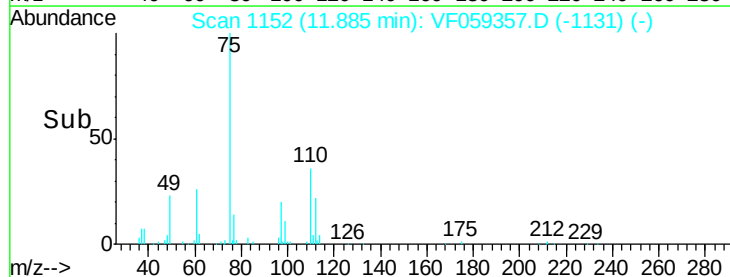
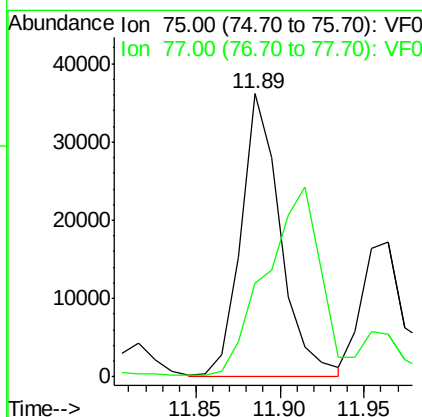
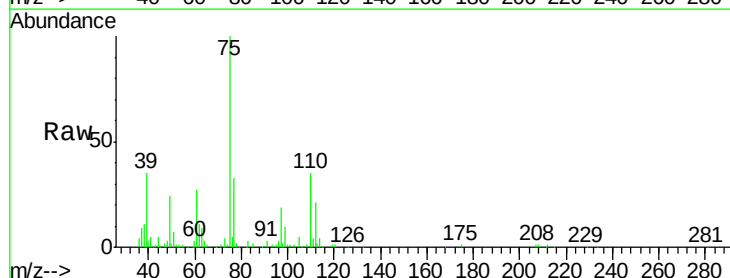
RT: 11.89 min Scan# 1152

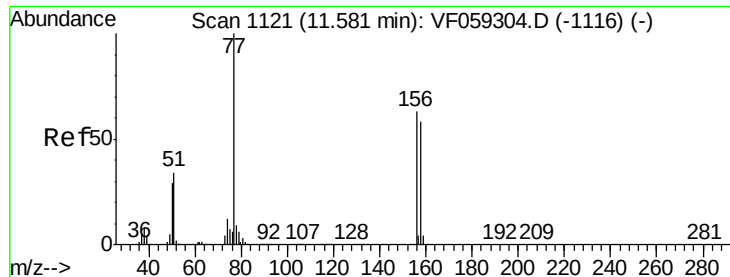
Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion:	75	Resp:	58427
Ion Ratio	Lower	Upper	
75	100		
77	33.2	18.0	54.0





#77

Bromobenzene

Concen: 20.29 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

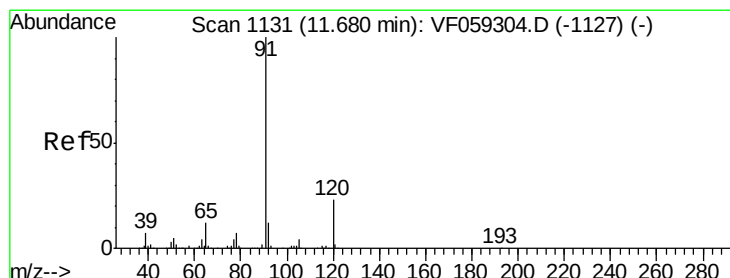
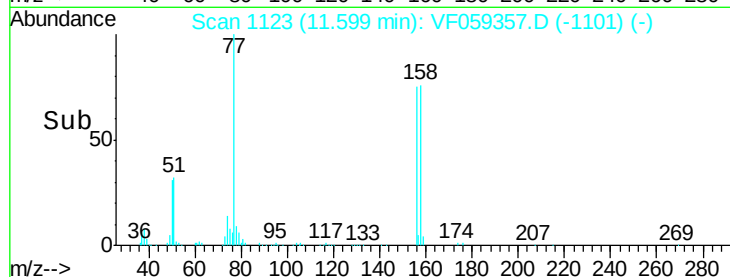
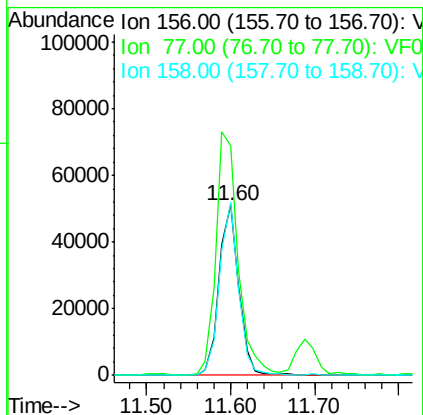
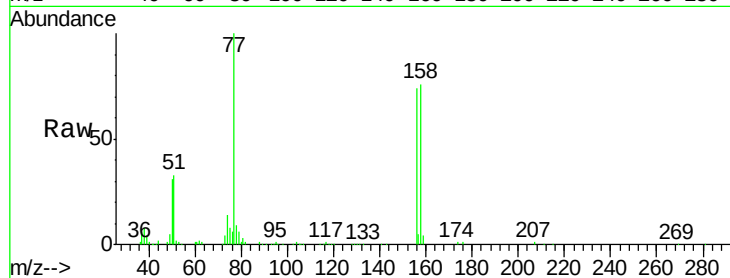
ClientSampleId :

VF0628SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	134.3	79.7	238.9	
158	101.8	46.2	138.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 22.07 ug/l

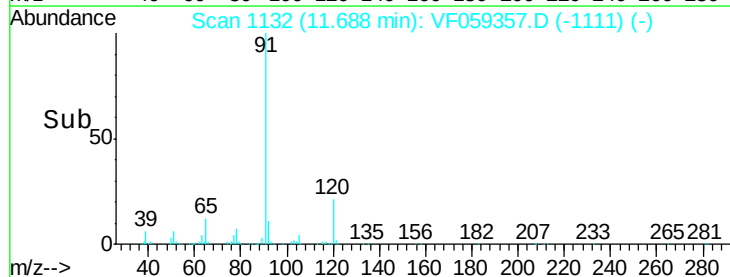
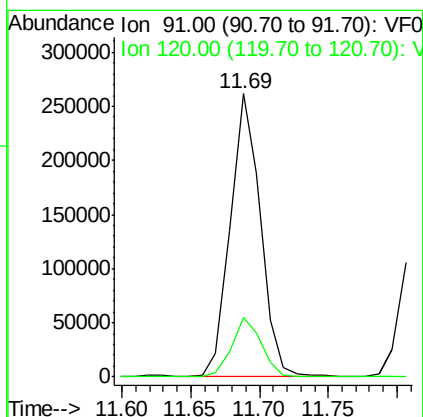
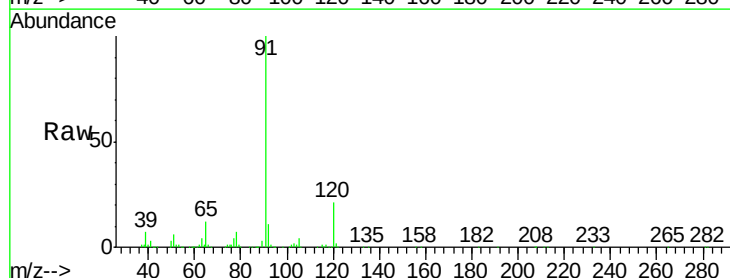
RT: 11.69 min Scan# 1132

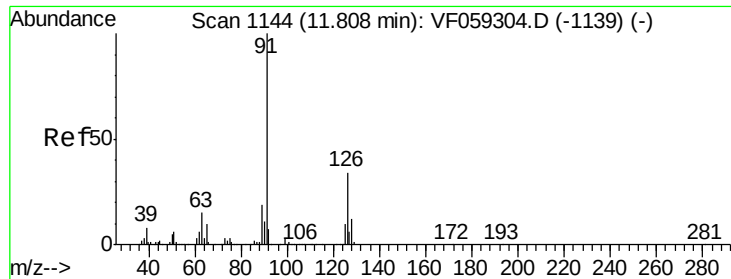
Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.8	11.7	35.0	





#79

2-Chlorotoluene

Concen: 21.58 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 91 Resp: 237134

Ion Ratio Lower Upper

91 100

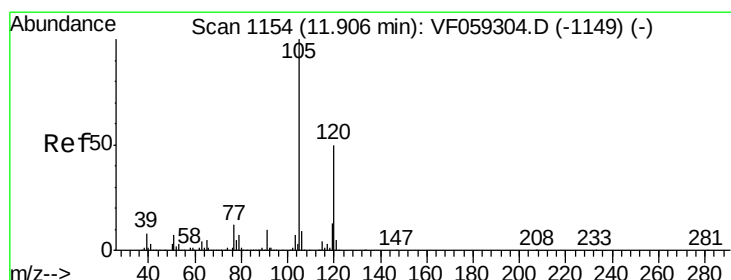
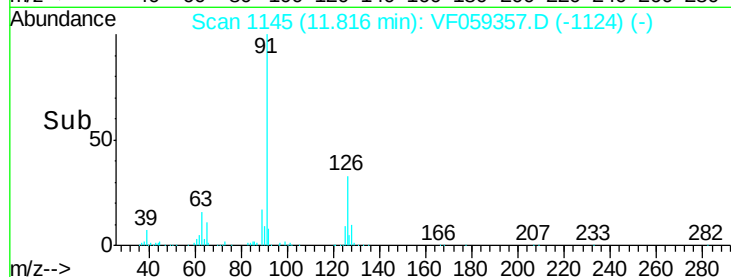
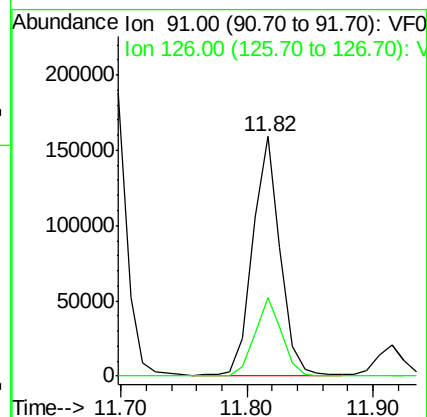
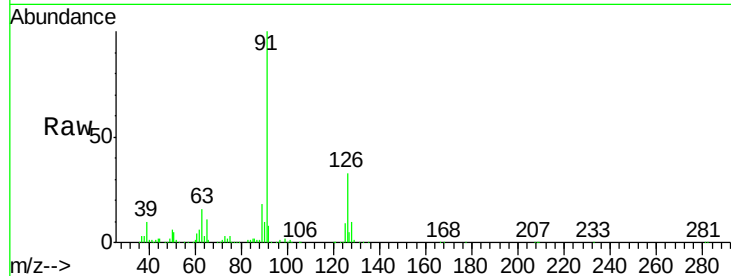
126 32.7 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.99 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059357.D

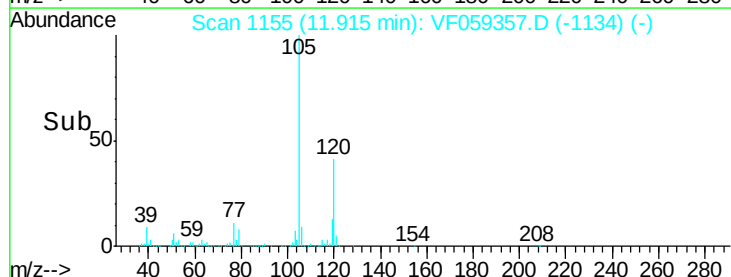
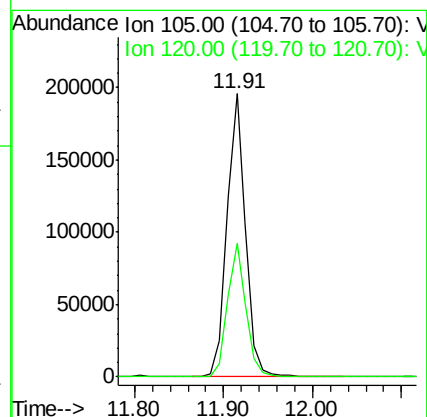
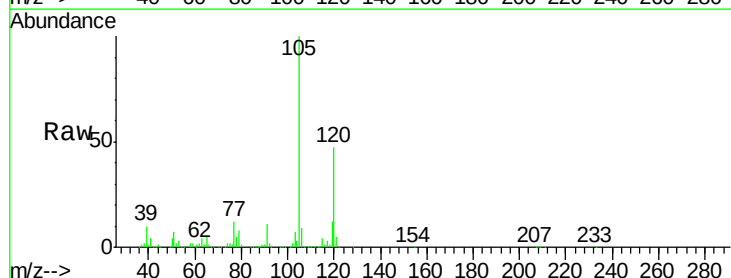
Acq: 28 Jun 2018 13:41

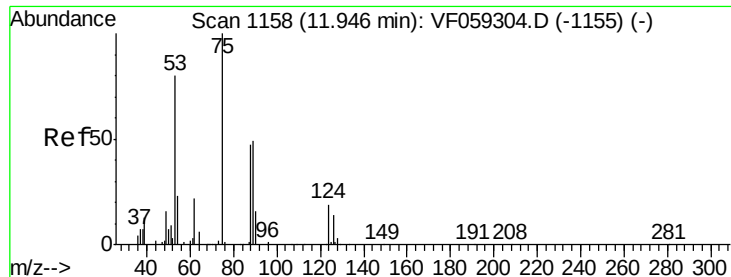
Tgt Ion: 105 Resp: 288415

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.7





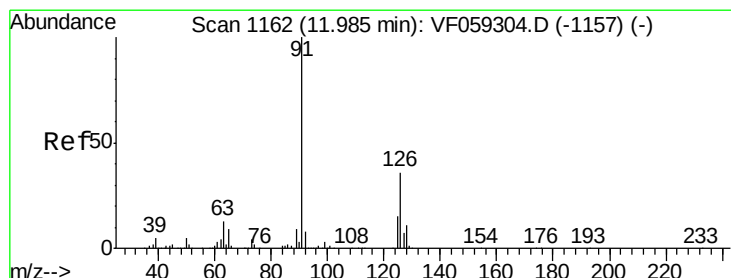
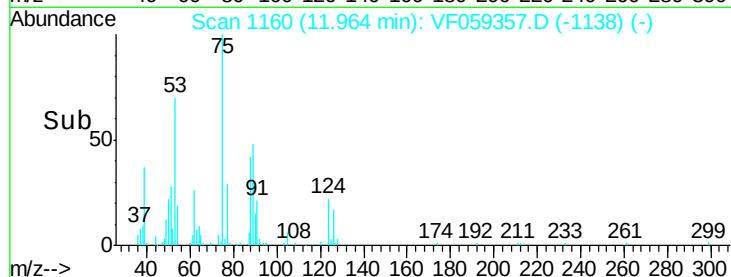
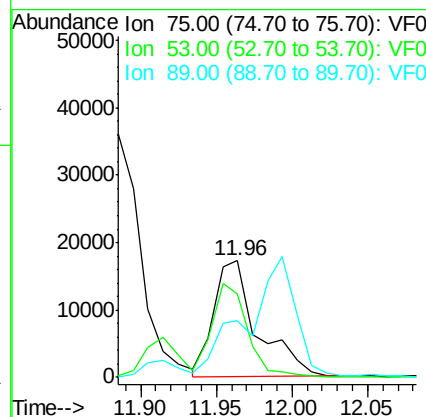
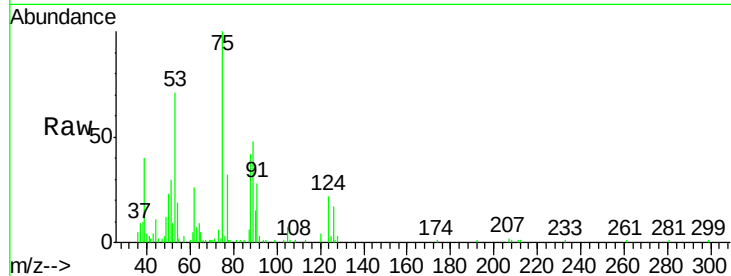
#81
trans-1,4-Dichloro-2-butene
Concen: 20.34 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	71.5	68.8	103.2
89	48.3	42.0	63.0

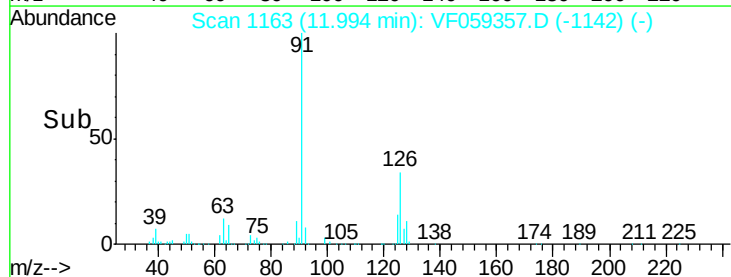
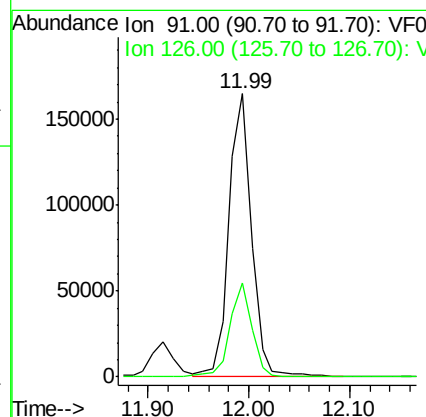
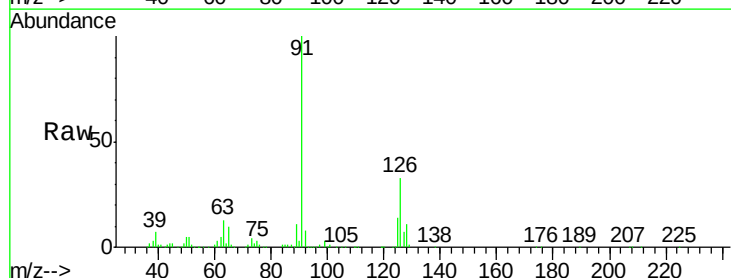
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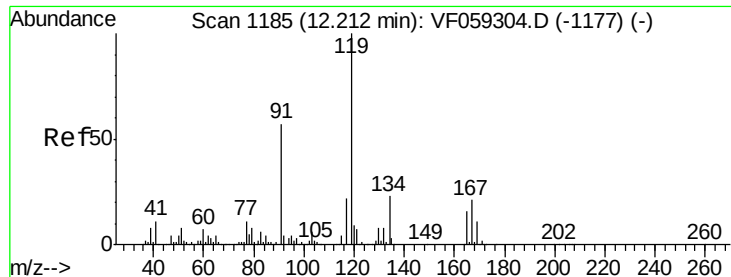
apatel
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#82
4-Chlorotoluene
Concen: 21.57 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	18.2	54.6





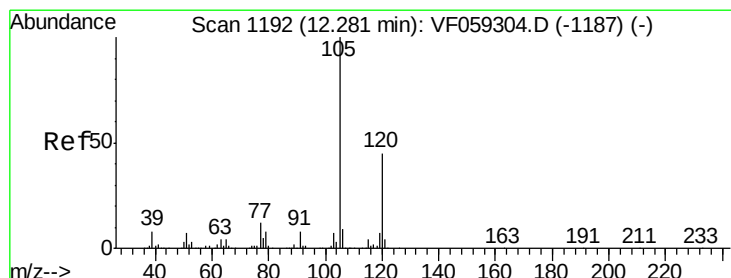
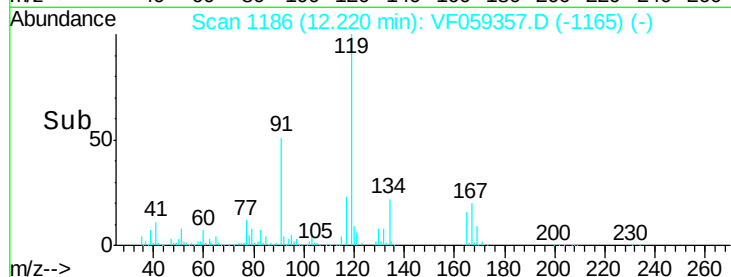
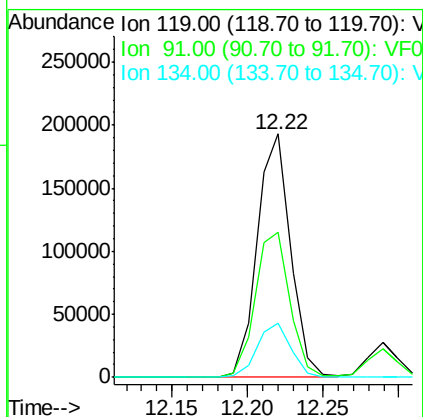
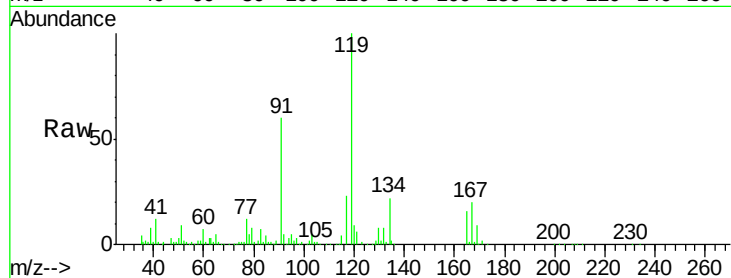
#83
 tert-Butylbenzene
 Concen: 22.73 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298270		
91	59.5		28.4	85.2
134	22.1		11.7	35.1

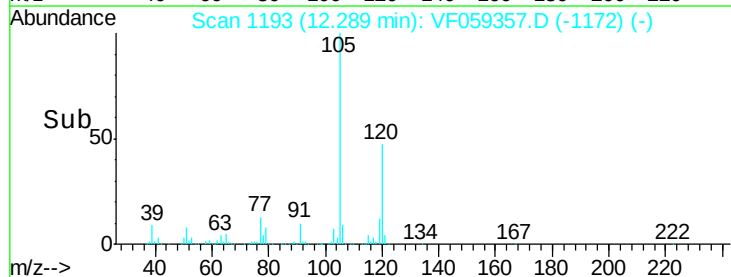
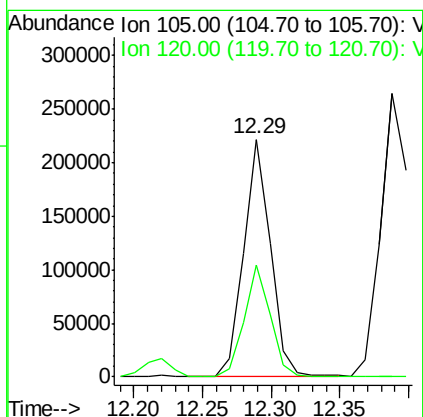
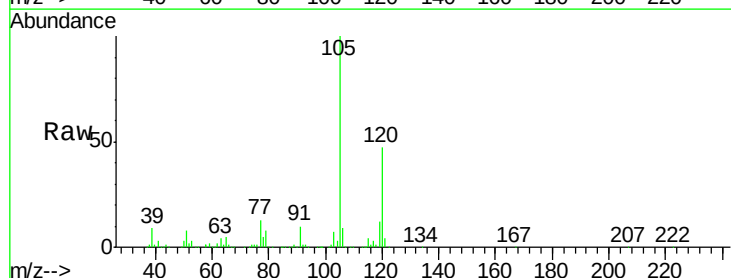
Manual Integrations
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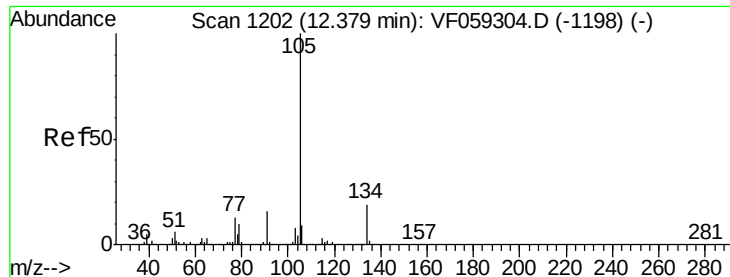
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.92 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302824		
120	46.8		22.8	68.4





#85

sec-Butylbenzene

Concen: 22.42 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:105 Resp: 389961

Ion Ratio Lower Upper

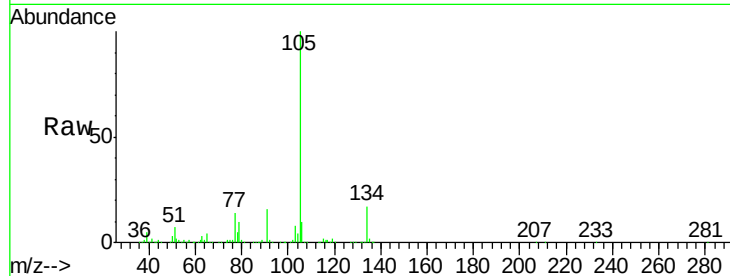
105 100

134 17.2 9.4 28.3

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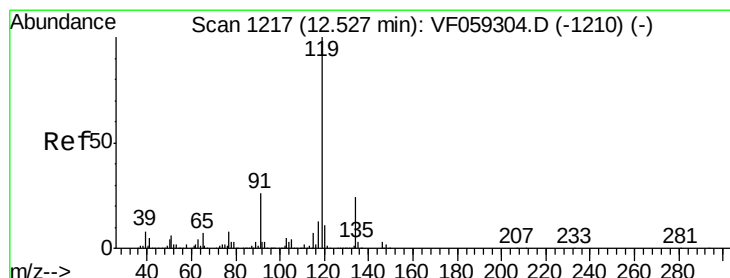
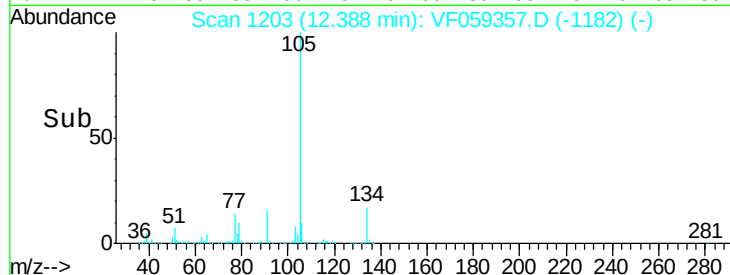
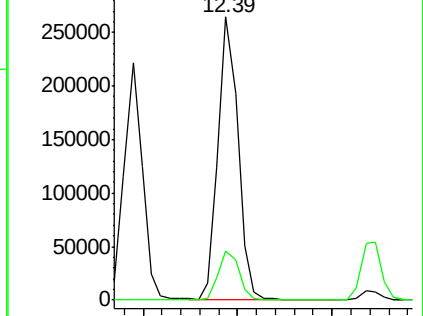
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.58 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

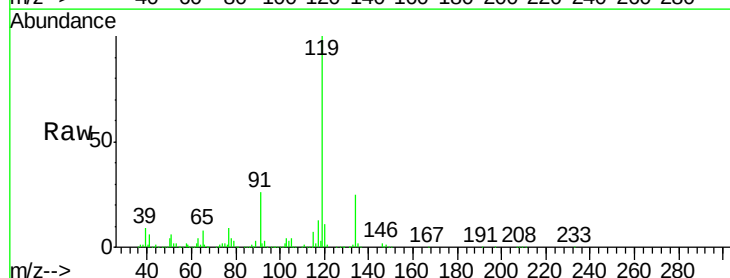
Tgt Ion:119 Resp: 329598

Ion Ratio Lower Upper

119 100

134 25.1 12.2 36.4

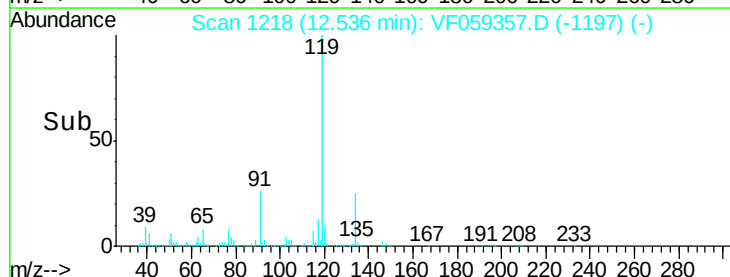
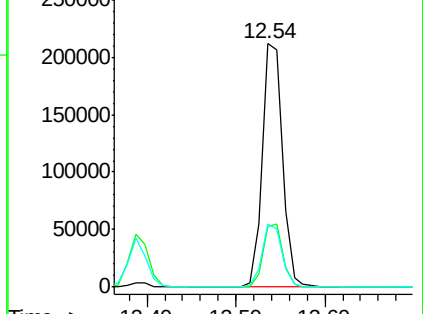
91 25.9 12.9 38.6

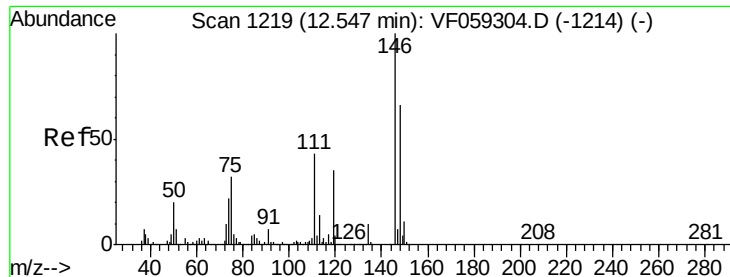


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





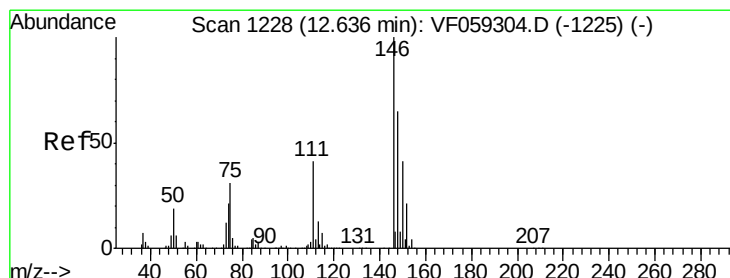
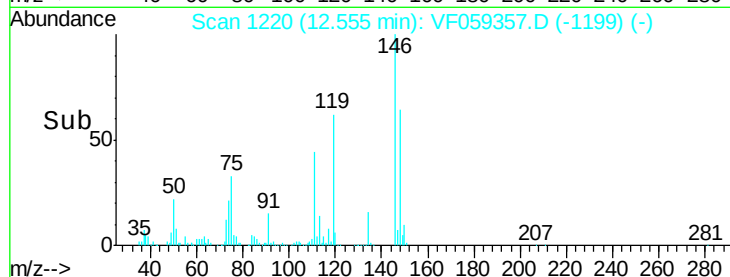
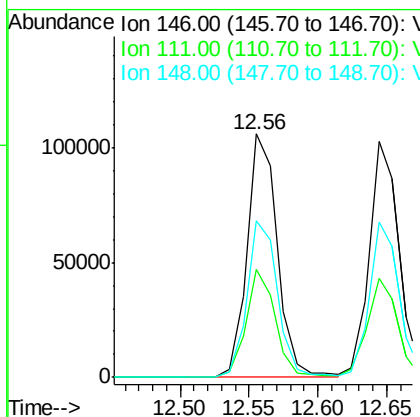
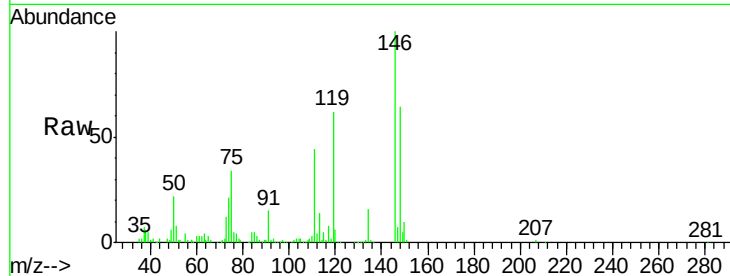
#87
 1,3-Dichlorobenzene
 Concen: 21.20 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.4	64.2
148	64.4	32.8	98.4

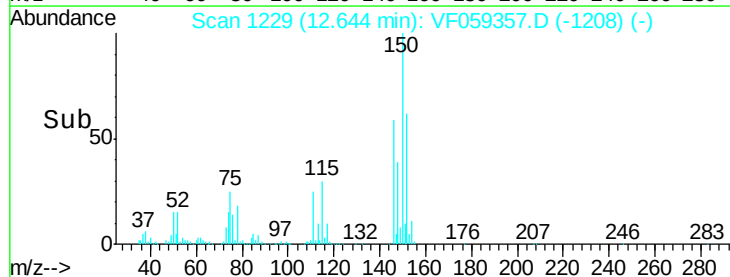
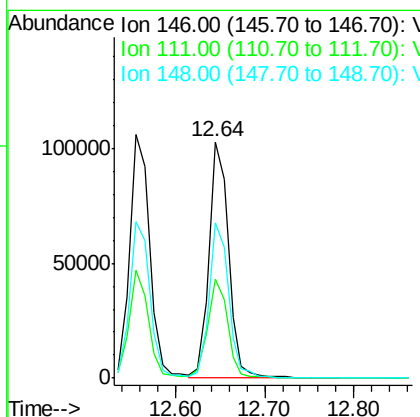
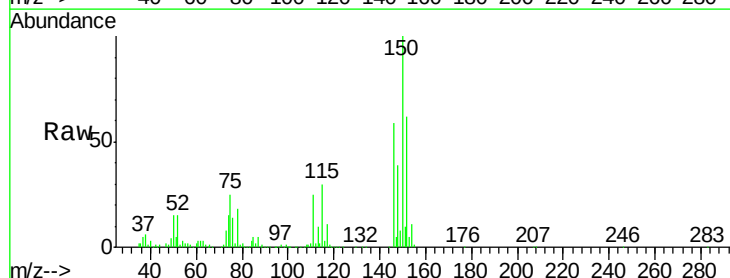
Manual Integrations
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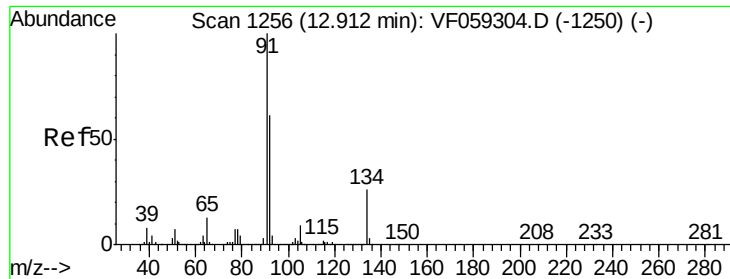
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#88
 1,4-Dichlorobenzene
 Concen: 21.07 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	65.9	32.8	98.3





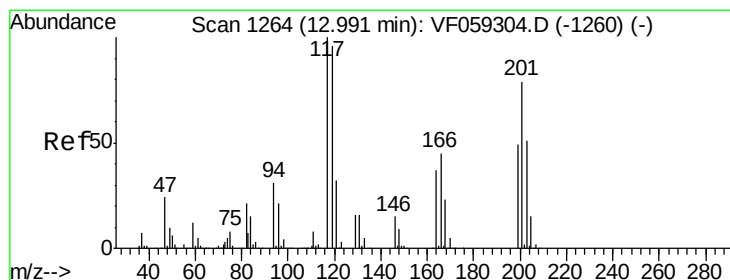
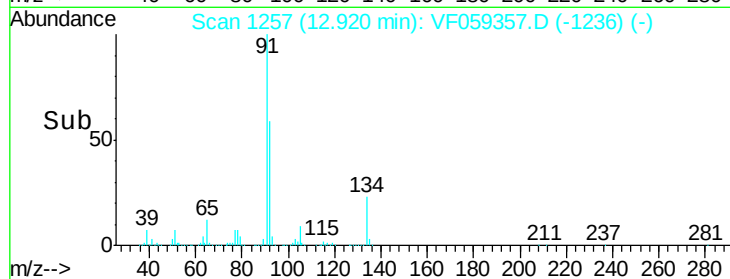
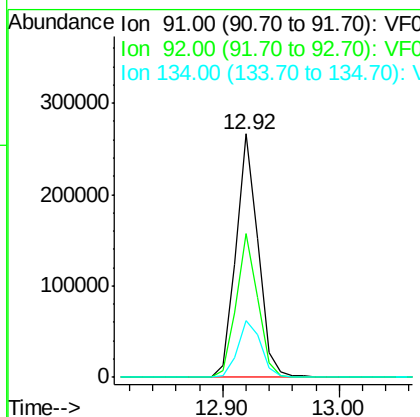
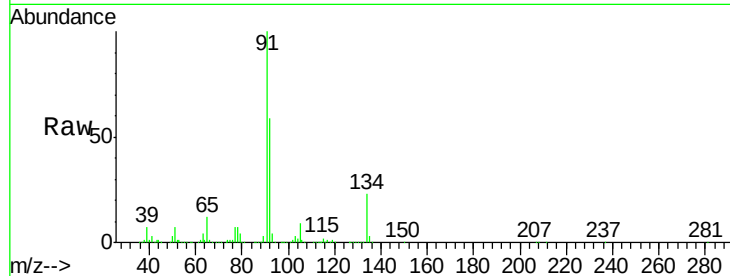
#89
n-Butylbenzene
Concen: 23.78 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.9	30.3	91.0
134	23.1	12.9	38.7

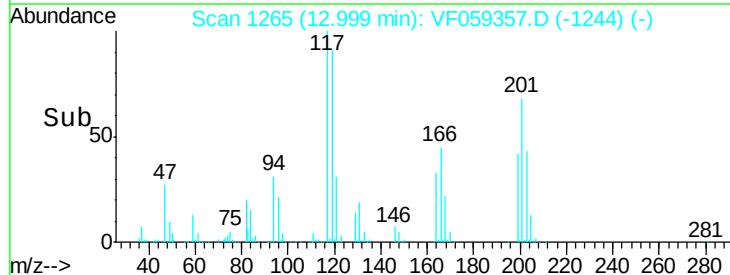
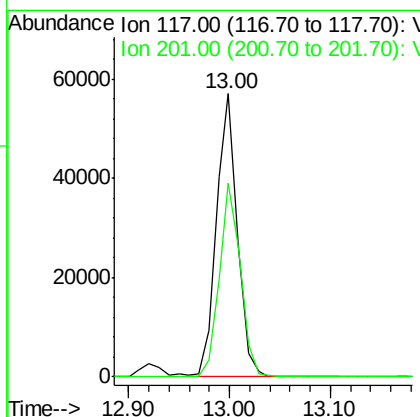
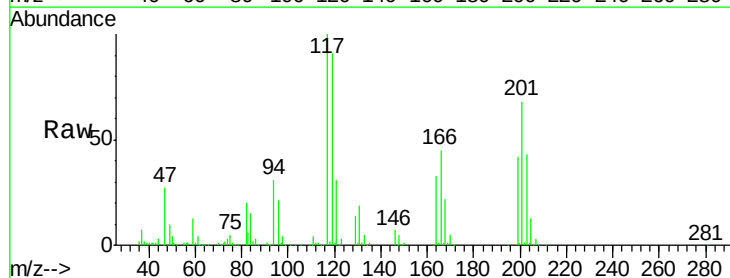
Manual Integrations
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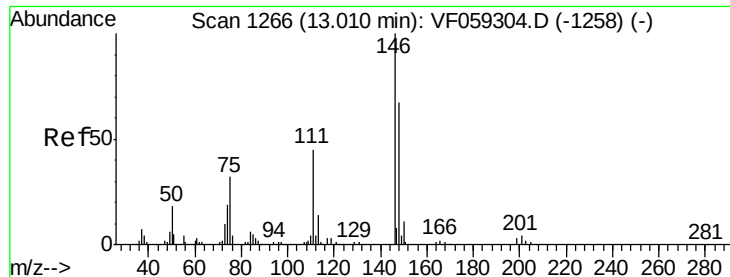
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#90
Hexachloroethane
Concen: 22.78 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	39.5	118.5





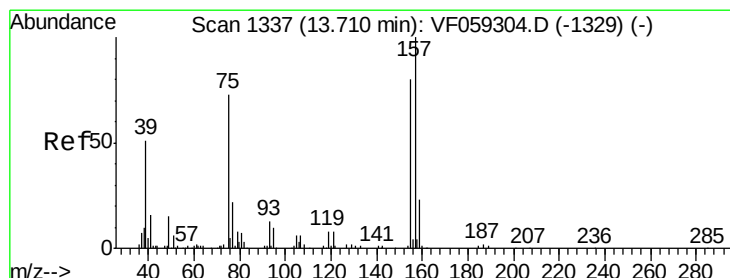
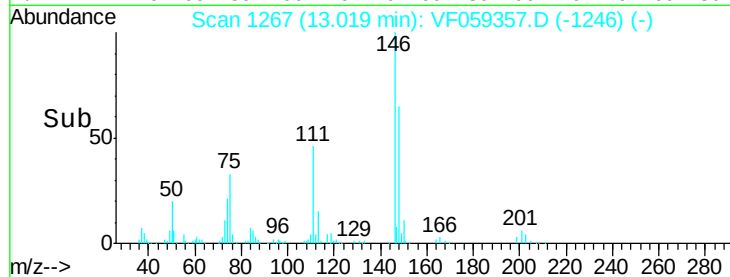
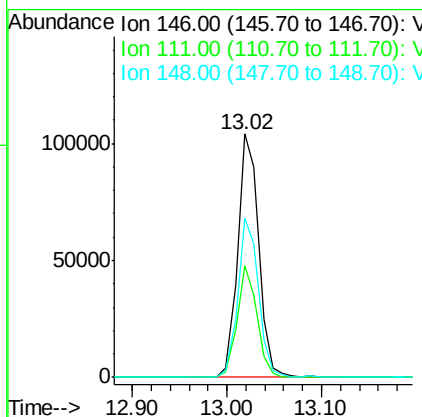
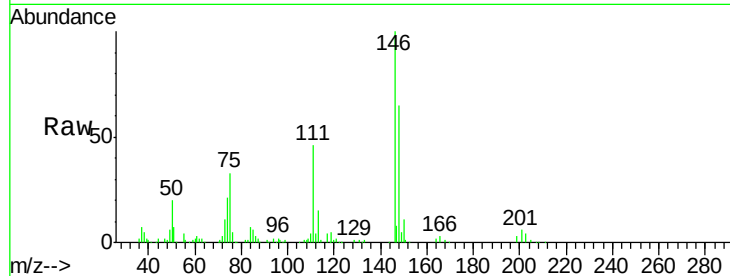
#91
 1,2-Dichlorobenzene
 Concen: 21.27 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.0
148	65.1	33.5	100.4

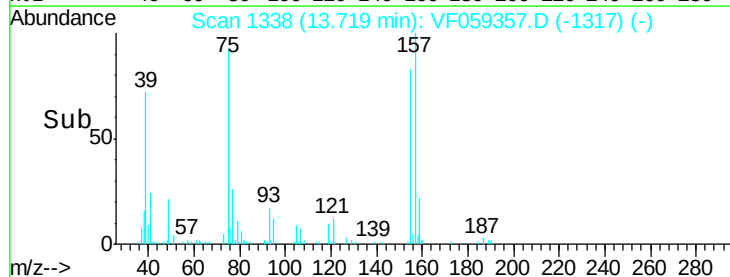
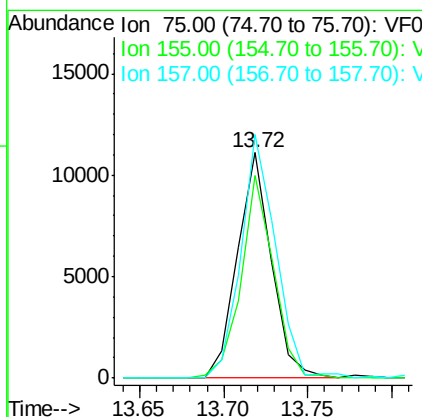
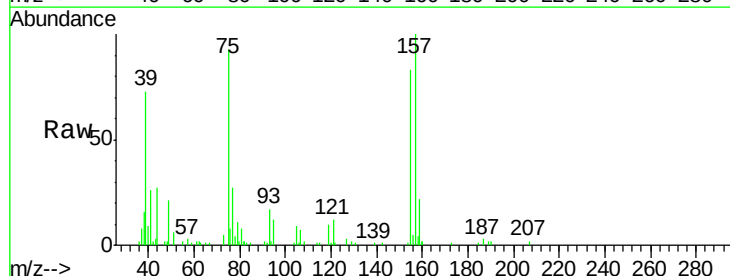
Manual Integrations
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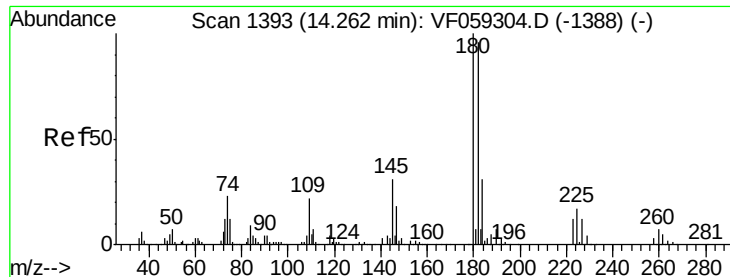
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.62 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	54.6	163.8
157	108.1	68.7	205.9





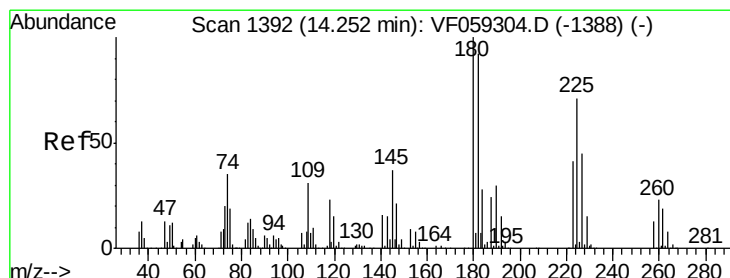
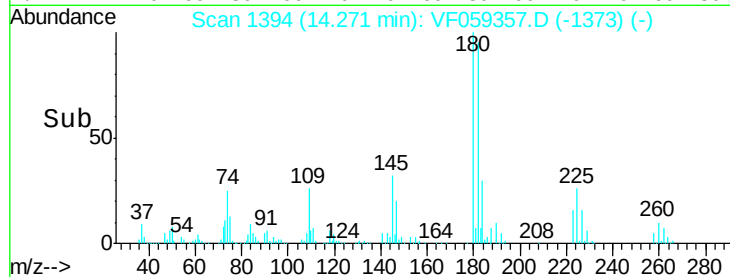
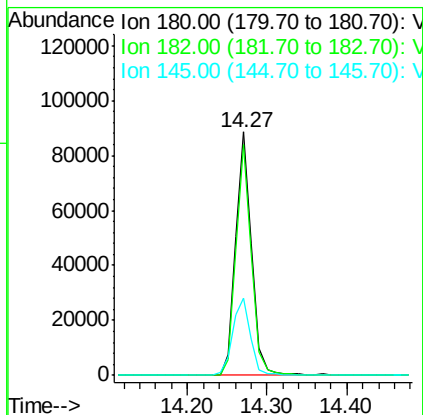
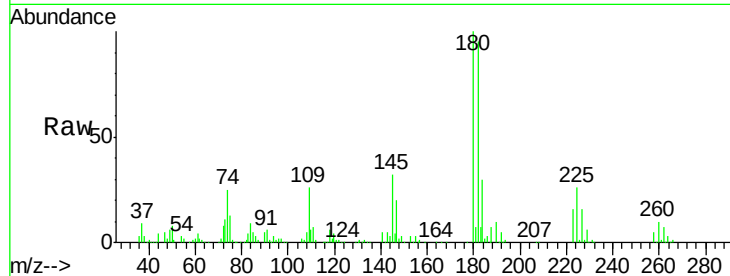
#93
 1,2,4-Trichlorobenzene
 Concen: 22.36 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124683		
182	94.6	48.1	144.3	
145	31.7	15.3	45.8	

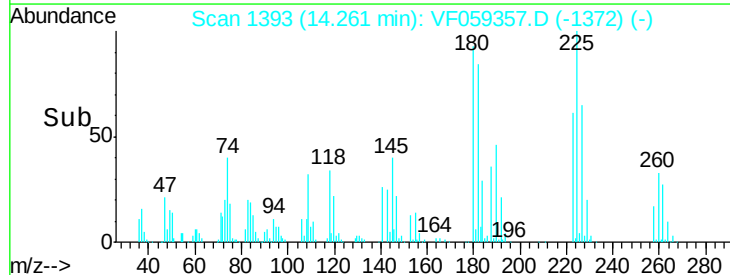
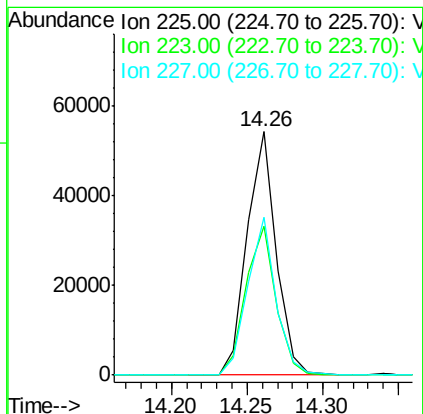
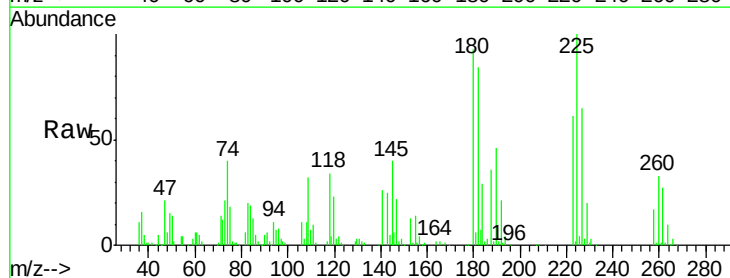
Manual Integrations
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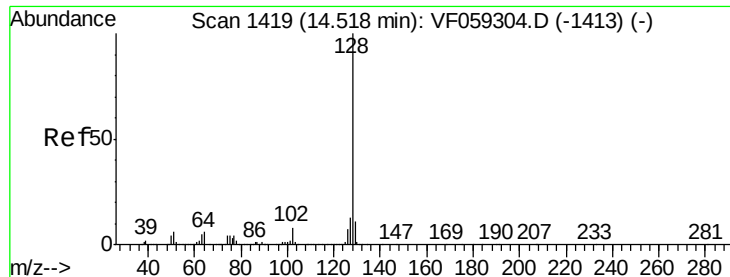
apatel
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#94
 Hexachlorobutadiene
 Concen: 23.36 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72784		
223	61.2	28.9	86.8	
227	65.0	31.3	93.8	





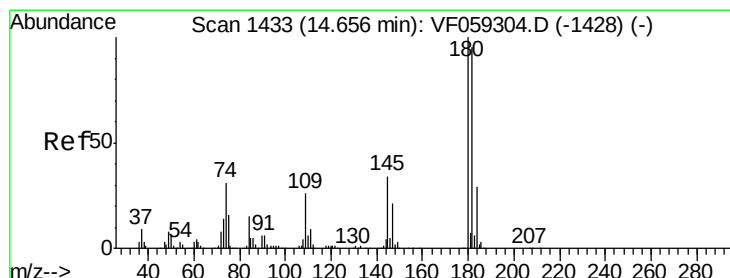
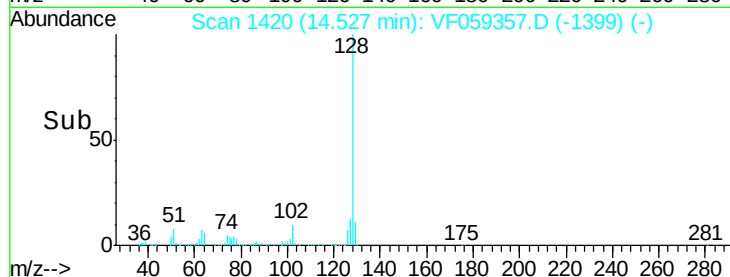
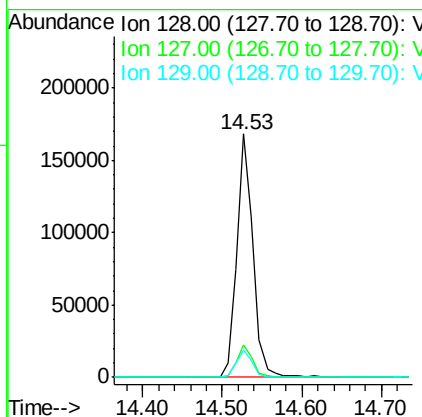
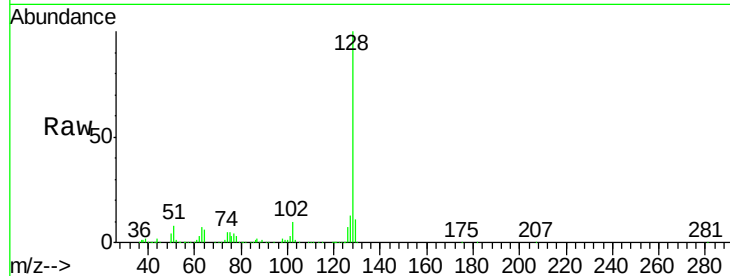
#95
Naphthalene
Concen: 20.48 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	238965		
127	13.1		10.1	15.1
129	11.4		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.82 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115304		
182	95.8		47.5	142.5
145	33.1		17.0	50.9

