

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059356.D
 Acq On : 28 Jun 2018 13:14
 Operator : VA/AP
 Sample : VF0628SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Manual Integrations
 APPROVED

apatel
 6/29/2018 11:27:13 AM

Quant Time: Jun 29 04:40:42 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	270816	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	427378	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	422680	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	268113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	165364	47.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	4.29	113	148102	47.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	7.71	98	363961	47.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.52	95	206720	47.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	52193	21.09	ug/l	93
3) Chloromethane	1.09	50	33378	20.08	ug/l	95
4) Vinyl Chloride	1.15	62	34597	21.14	ug/l	99
5) Bromomethane	1.34	94	23386	22.96	ug/l	96
6) Chloroethane	1.43	64	14820	17.98	ug/l	97
7) Trichlorofluoromethane	1.48	101	73138m	22.60	ug/l	
8) Diethyl Ether	1.70	74	16135	19.45	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44374	23.50	ug/l	88
10) Methyl Iodide	1.96	142	71407	20.73	ug/l	89
11) Tert butyl alcohol	2.69	59	24496	105.16	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	36611	22.93	ug/l	92
13) Acrolein	2.09	56	13606	111.81	ug/l	98
14) Allyl chloride	2.19	41	69480	23.18	ug/l	90
15) Acrylonitrile	3.07	53	52847	128.83	ug/l	85
16) Acetone	2.34	43	105940	115.76	ug/l	97
17) Carbon Disulfide	1.87	76	78567	20.92	ug/l	96
18) Methyl Acetate	2.45	43	28760	17.45	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	123491	20.74	ug/l #	88
20) Methylene Chloride	2.28	84	41073m	15.89	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	38528	22.62	ug/l	90
22) Diisopropyl ether	2.93	45	138942	20.93	ug/l	96
23) Vinyl Acetate	3.33	43	468460	110.83	ug/l	99
24) 1,1-Dichloroethane	3.00	63	90180	21.92	ug/l	97
25) 2-Butanone	4.51	43	123802	115.49	ug/l	99
26) 2,2-Dichloropropane	3.76	77	69176	24.37	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	58847	22.76	ug/l	78
28) Bromochloromethane	3.89	49	42423	24.70	ug/l	88
29) Tetrahydrofuran	4.25	42	49683	105.27	ug/l	98
30) Chloroform	4.03	83	126481	21.23	ug/l	97
31) Cyclohexane	3.87	56	58704	21.78	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	95752	21.96	ug/l	95
36) 1,1-Dichloropropene	4.47	75	78537	21.04	ug/l	98
37) Ethyl Acetate	4.29	43	56037	22.65	ug/l #	83
38) Carbon Tetrachloride	4.17	117	99648	21.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	74421	22.49	ug/l	97
40) Benzene	4.80	78	165099	19.94	ug/l	95
41) Methacrylonitrile	4.92	41	23798	18.69	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	98679	20.40	ug/l	98
43) Isopropyl Acetate	7.11	43	60695	19.52	ug/l #	99
44) Trichloroethene	5.67	130	61226	21.56	ug/l	93
45) 1,2-Dichloropropane	6.40	63	50546	21.37	ug/l	92
46) Dibromomethane	6.25	93	42843	20.87	ug/l	94
47) Bromodichloromethane	6.55	83	99657	20.06	ug/l	92
48) Methyl methacrylate	6.87	41	38872	18.65	ug/l	98
49) 1,4-Dioxane	6.86	88	5311	454.36	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	237864	103.24	ug/l	100
52) Toluene	7.78	92	126413	20.41	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	95095	21.00	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	96476	19.61	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	51062	21.23	ug/l	95
56) Ethyl methacrylate	8.76	69	56548	18.98	ug/l	96
57) 1,3-Dichloropropane	9.00	76	85308	20.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	22358	100.06	ug/l	100
59) 2-Hexanone	9.63	43	197960	104.54	ug/l	97
60) Dibromochloromethane	8.86	129	75968	20.46	ug/l	89
61) 1,2-Dibromoethane	9.13	107	58673	20.12	ug/l	93
64) Tetrachloroethene	8.30	164	59453	21.69	ug/l	99
65) Chlorobenzene	9.94	112	164440	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	73408	21.67	ug/l	94
67) Ethyl Benzene	10.04	91	287198	21.61	ug/l	98
68) m/p-Xylenes	10.27	106	207704	43.92	ug/l	99
69) o-Xylene	10.83	106	112315	21.23	ug/l	98
70) Styrene	10.90	104	169823	21.08	ug/l	97
71) Bromoform	10.89	173	47852	20.61	ug/l	98
73) Isopropylbenzene	11.23	105	341709	21.88	ug/l	99
74) N-amyl acetate	11.47	43	115351	20.35	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79899	20.25	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	60528	20.34	ug/l	97
77) Bromobenzene	11.59	156	88719	20.47	ug/l	96
78) n-propylbenzene	11.69	91	413400	22.04	ug/l	99
79) 2-Chlorotoluene	11.81	91	244042	21.29	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	292558	21.38	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	37435	21.14	ug/l	90
82) 4-Chlorotoluene	11.99	91	267126	21.76	ug/l	91
83) tert-Butylbenzene	12.22	119	305991	22.36	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	308314	21.40	ug/l	96
85) sec-Butylbenzene	12.39	105	402219	22.17	ug/l	99
86) p-Isopropyltoluene	12.54	119	336984	22.14	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	173695	21.67	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	163291	21.10	ug/l	96
89) n-Butylbenzene	12.92	91	306248	19.82	ug/l	96
90) Hexachloroethane	12.99	117	62972	16.60	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	183569	23.33	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15276	17.47	ug/l	67

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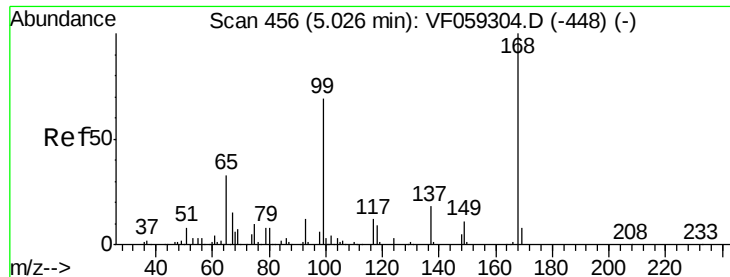
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	123429	21.22	ug/l	94
94) Hexachlorobutadiene	14.26	225	70856	21.81	ug/l	93
95) Naphthalene	14.53	128	236609	19.44	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	112978	20.50	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:168 Resp: 270816

Ion Ratio Lower Upper

168 100

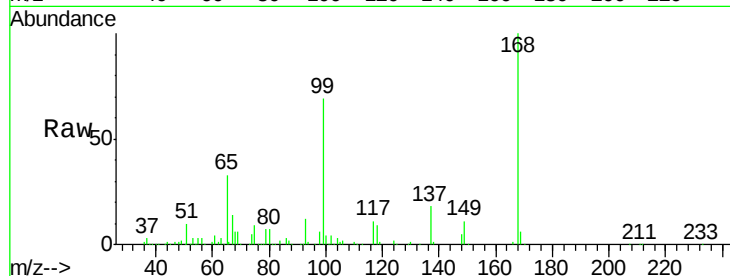
99 68.5 54.9 82.3

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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

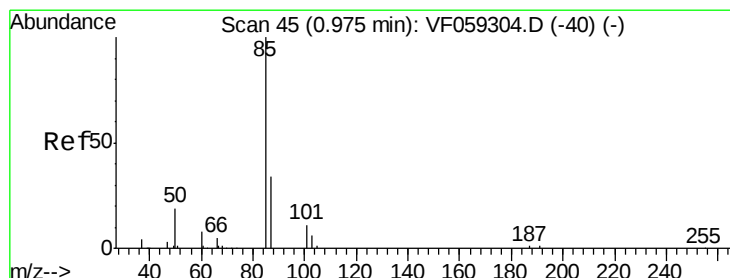
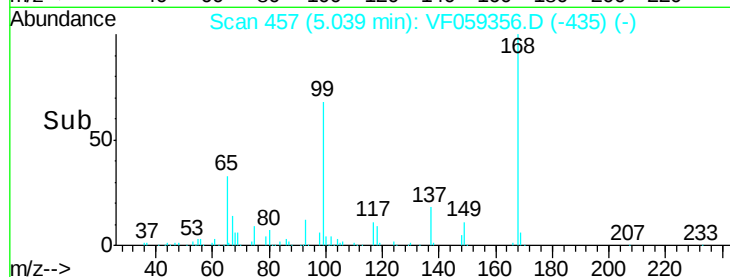
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.09 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059356.D

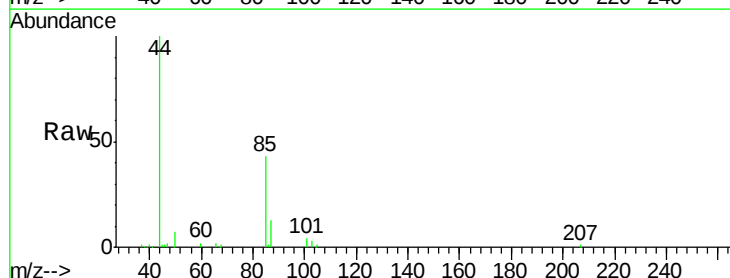
Acq: 28 Jun 2018 13:14

Tgt Ion: 85 Resp: 52193

Ion Ratio Lower Upper

85 100

87 30.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

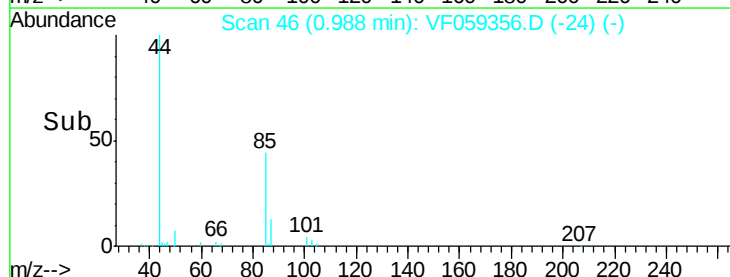
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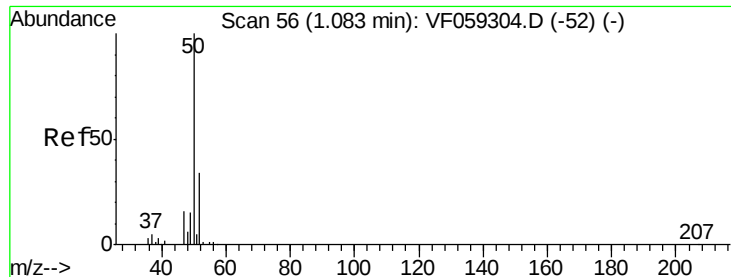
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5000

0

Time-->





#3

Chloromethane

Concen: 20.08 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 50 Resp: 33378

Ion Ratio Lower Upper

50 100

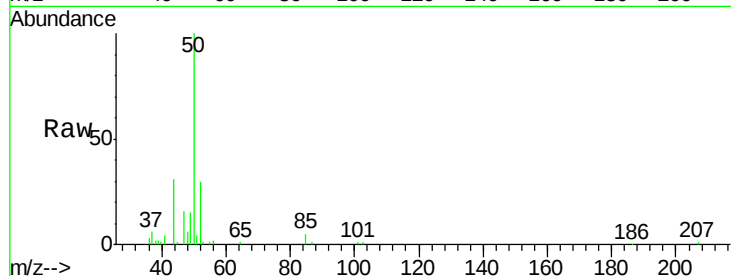
52 30.4 26.7 40.1

Manual Integrations

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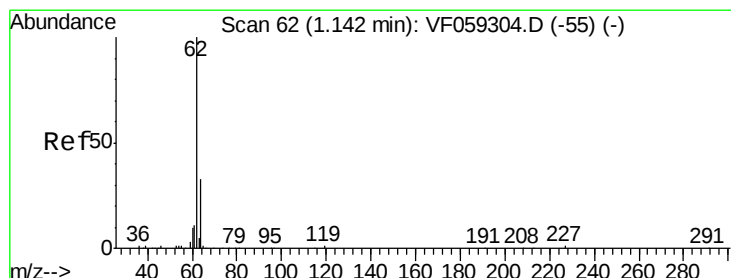
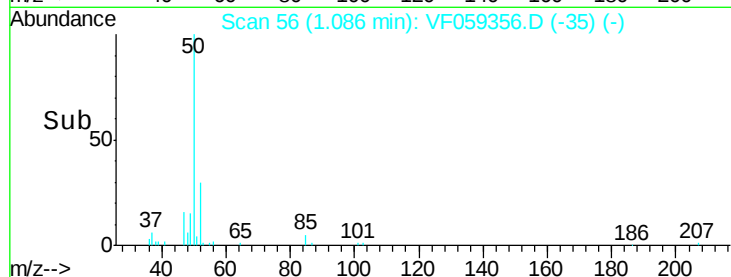
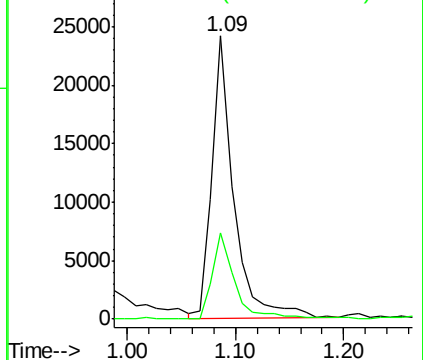
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.14 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059356.D

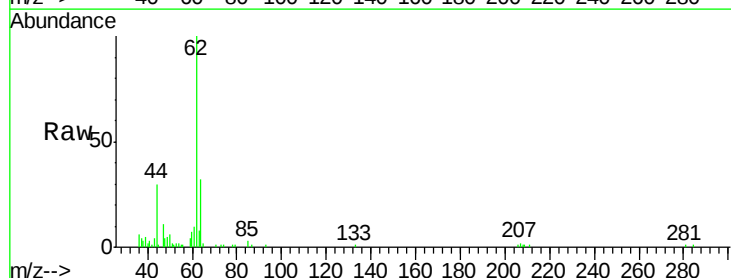
Acq: 28 Jun 2018 13:14

Tgt Ion: 62 Resp: 34597

Ion Ratio Lower Upper

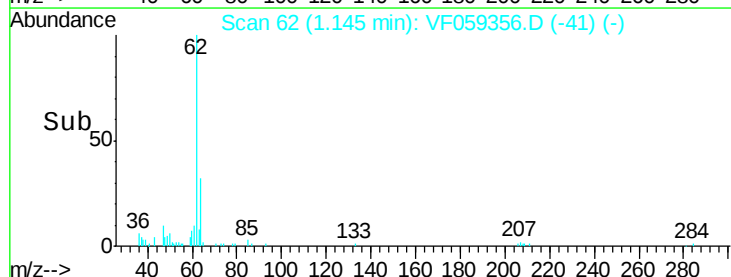
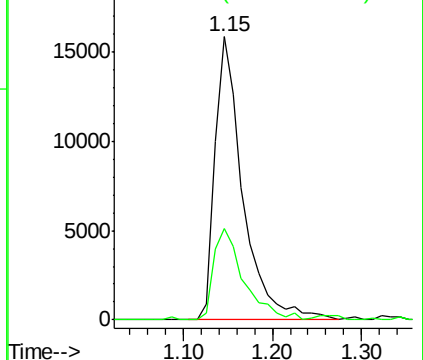
62 100

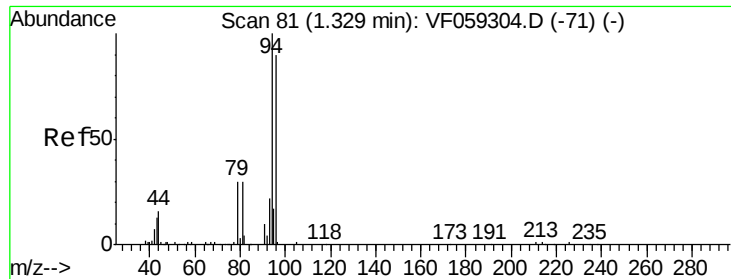
64 32.4 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.96 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tot Ion: 94 Resp: 23386

Ion Ratio Lower Upper

94 100

96 88.3 73.4 110.0

Instrument :

MSVOA_F

ClientSampleId :

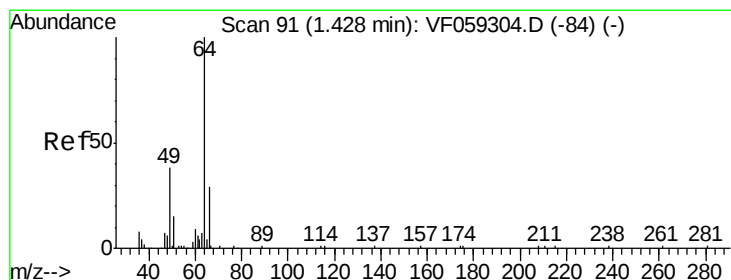
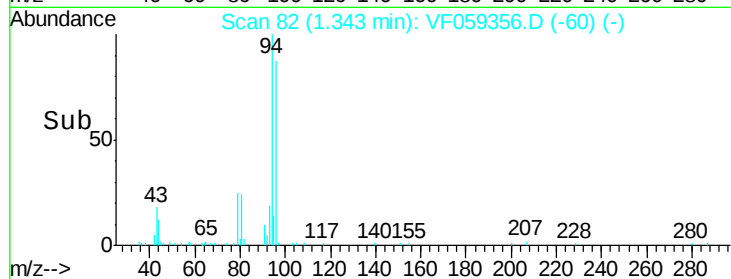
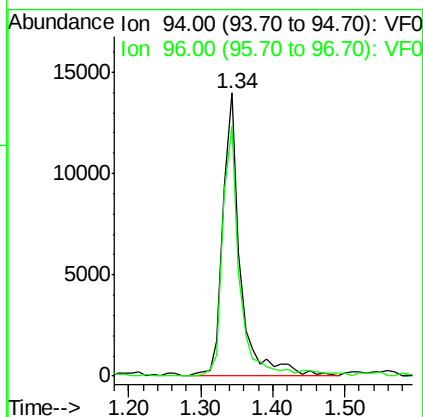
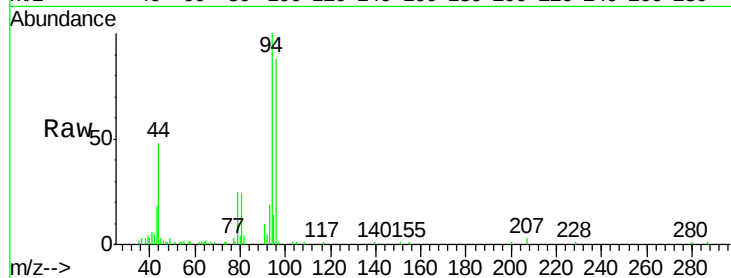
VF0628SBS01

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#6

Chloroethane

Concen: 17.98 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059356.D

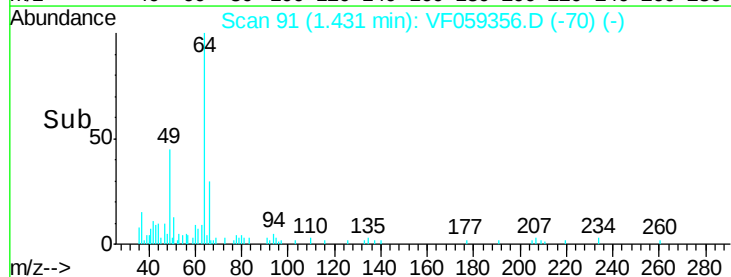
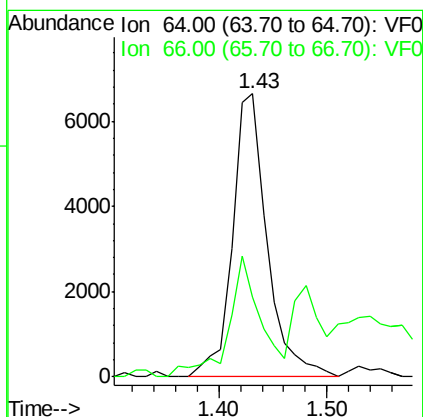
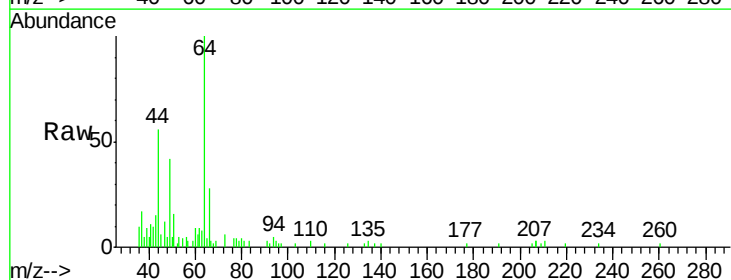
Acq: 28 Jun 2018 13:14

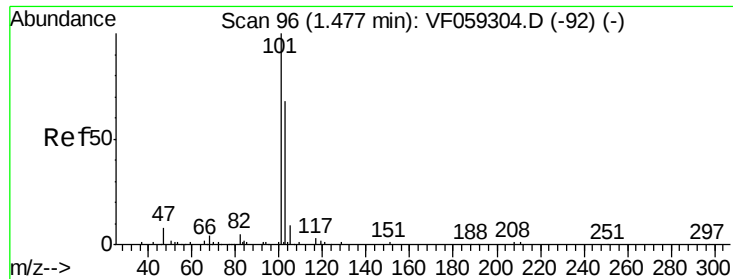
Tgt Ion: 64 Resp: 14820

Ion Ratio Lower Upper

64 100

66 28.2 23.9 35.9





#7

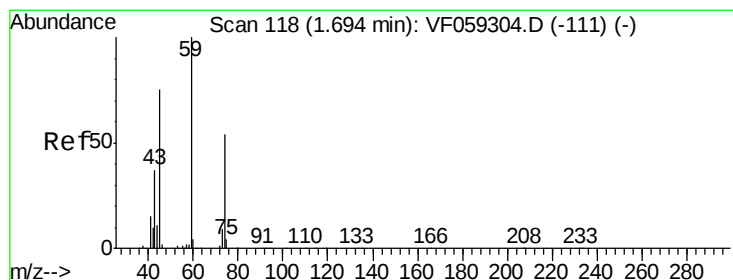
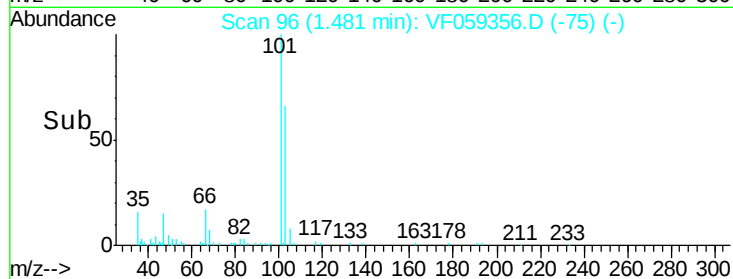
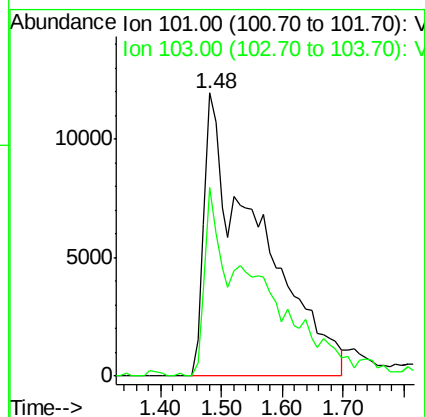
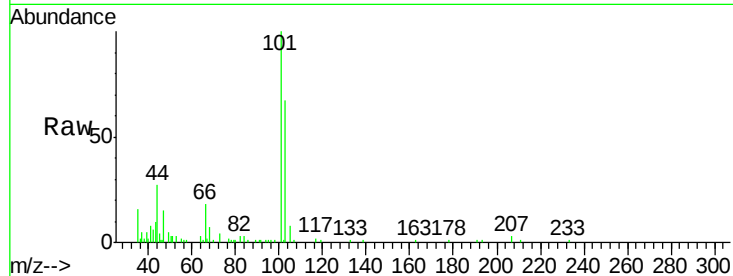
Trichlorofluoromethane
Concen: 22.60 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

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VF0628SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	54.2	81.2

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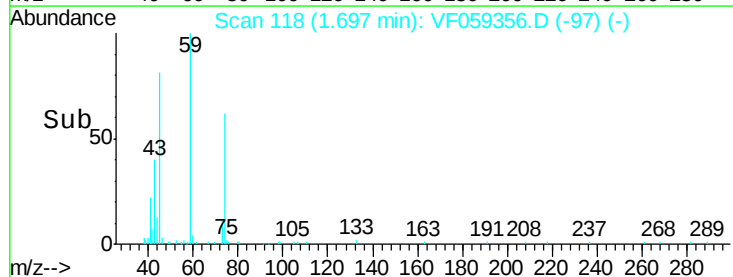
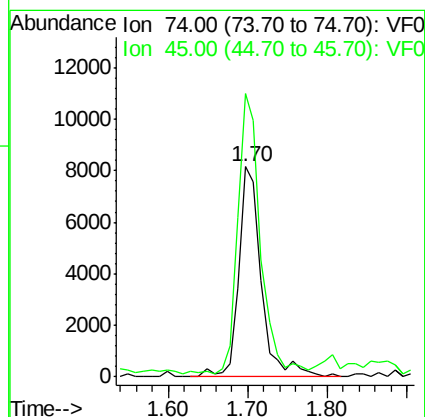
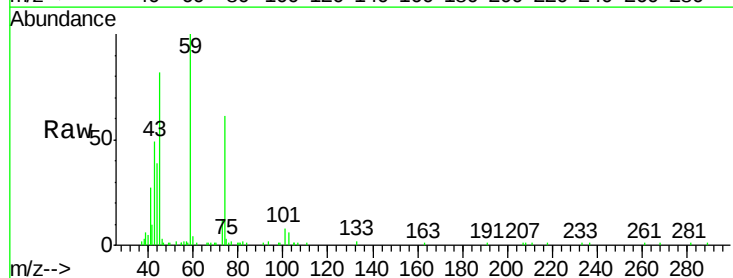
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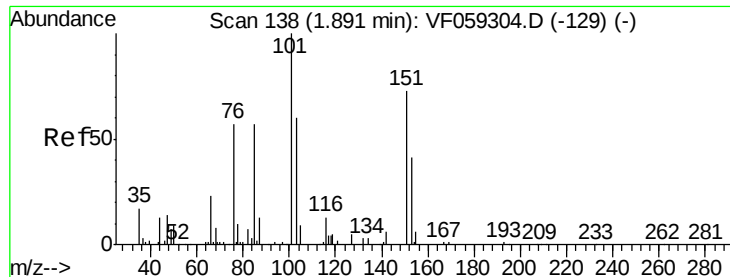


#8

Diethyl Ether
Concen: 19.45 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.7	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.50 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

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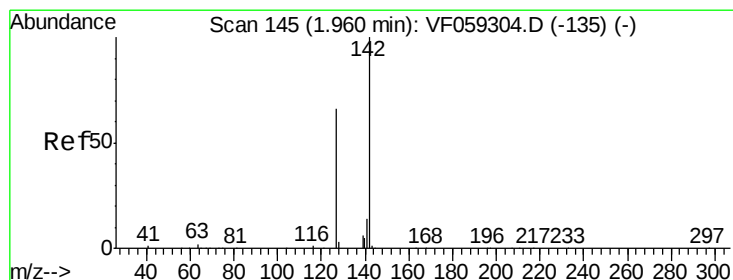
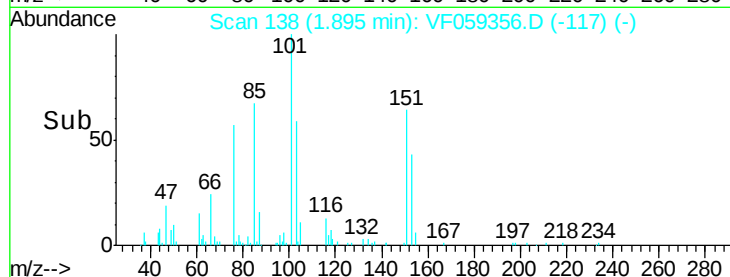
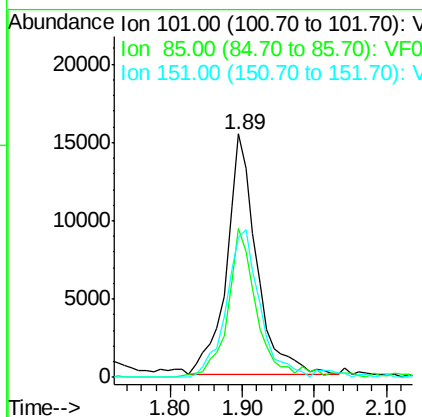
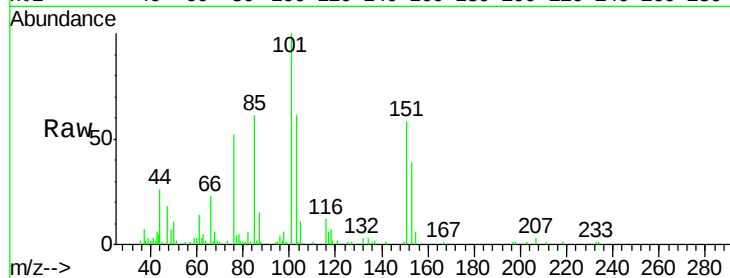
ClientSampleId :

VF0628SBS01

Tot Ion:	101	Resp:	44374
Ion Ratio	Lower	Upper	
101	100		
85	61.0	44.5	66.7
151	57.5	56.8	85.2

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#10

Methyl Iodide

Concen: 20.73 ug/l

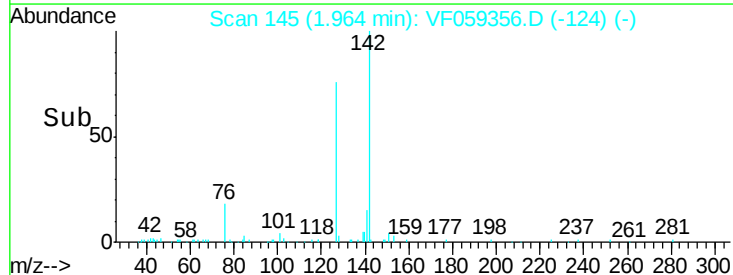
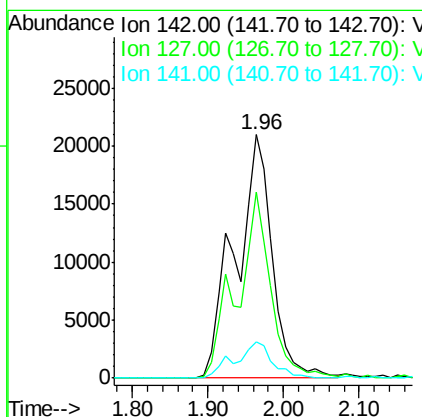
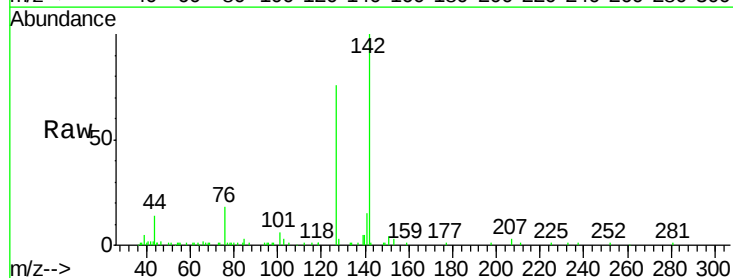
RT: 1.96 min Scan# 145

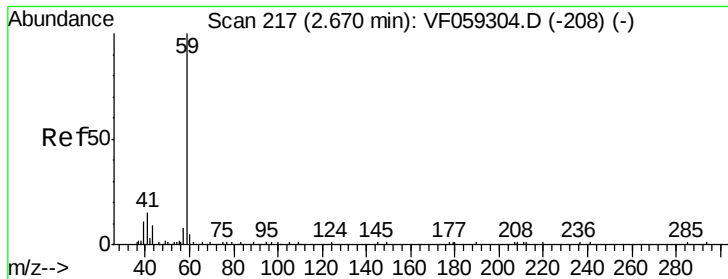
Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	142	Resp:	71407
Ion Ratio	Lower	Upper	
142	100		
127	76.4	52.5	78.7
141	15.1	11.5	17.3





#11

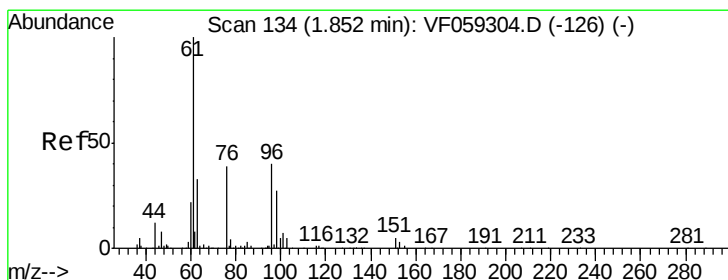
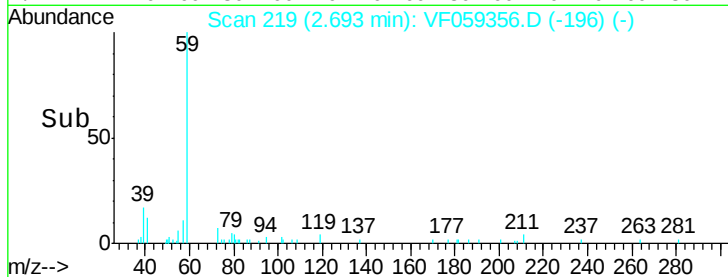
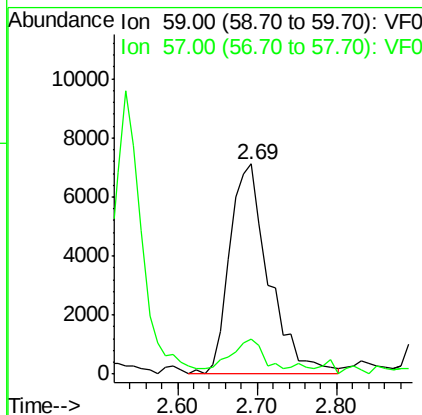
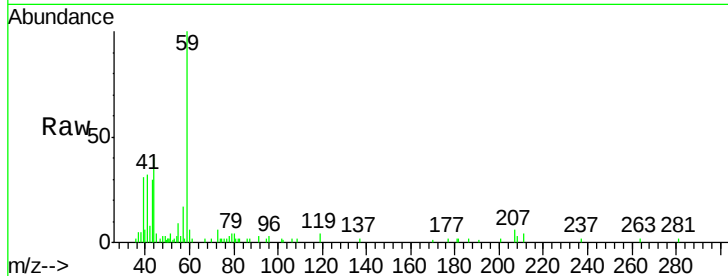
Tert butyl alcohol
 Concen: 105.16 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.02 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.6	11.0	16.4#

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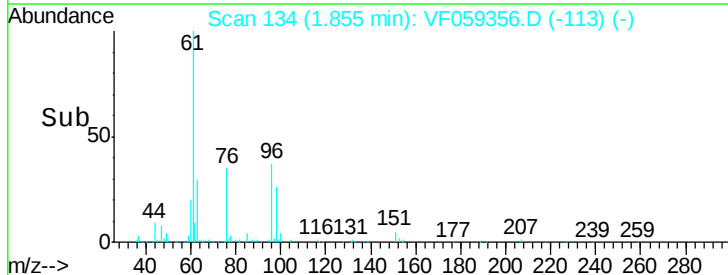
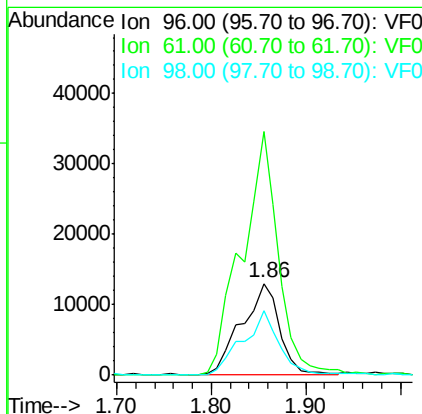
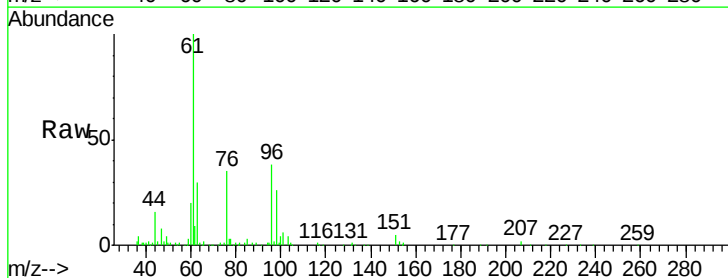
apatel
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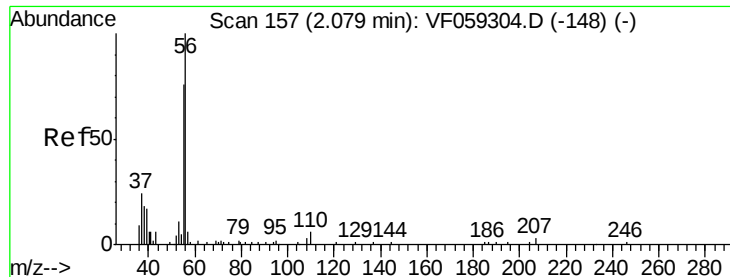


#12

1,1-Dichloroethene
 Concen: 22.93 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	266.5	201.1	301.7
98	70.2	53.9	80.9





#13

Acrolein

Concen: 111.81 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 56 Resp: 13606

Ion Ratio Lower Upper

56 100

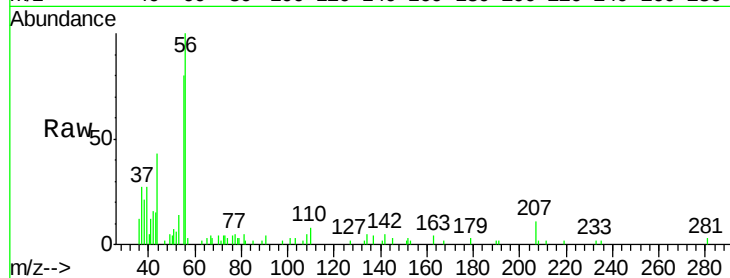
55 80.0 62.4 93.6

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

6000

5000

4000

3000

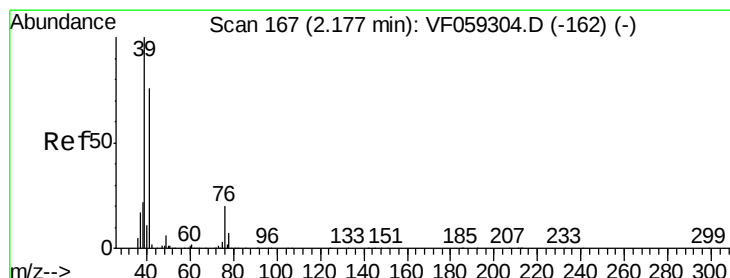
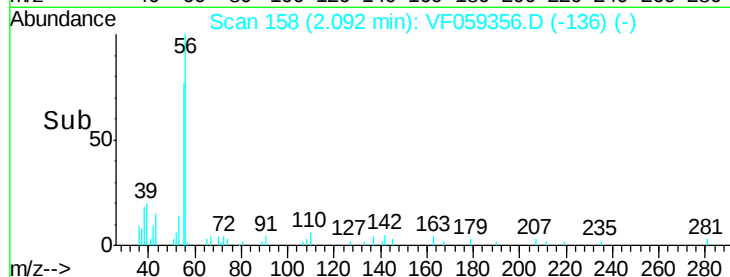
2000

1000

0

2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 23.18 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

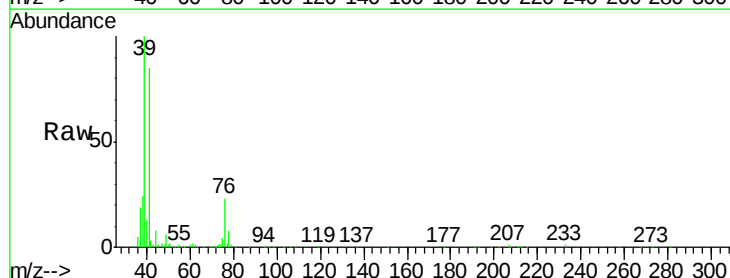
Tgt Ion: 41 Resp: 69480

Ion Ratio Lower Upper

41 100

39 118.3 105.6 158.4

76 27.7 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

50000

40000

30000

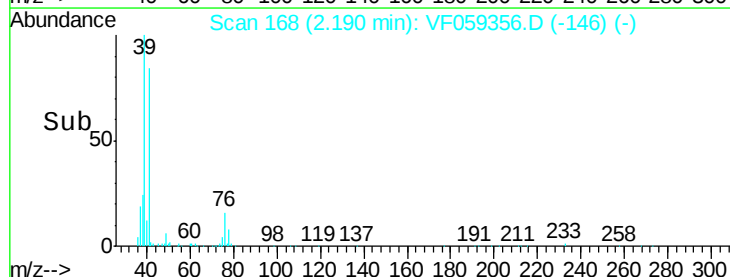
20000

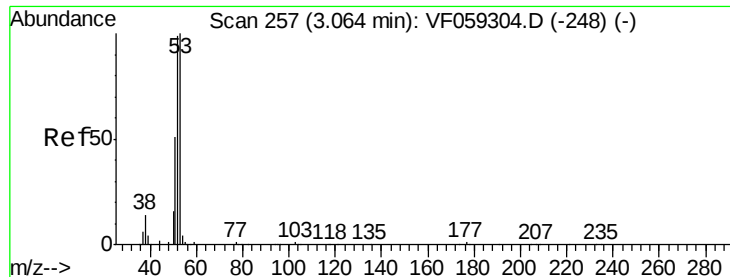
10000

0

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 128.83 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

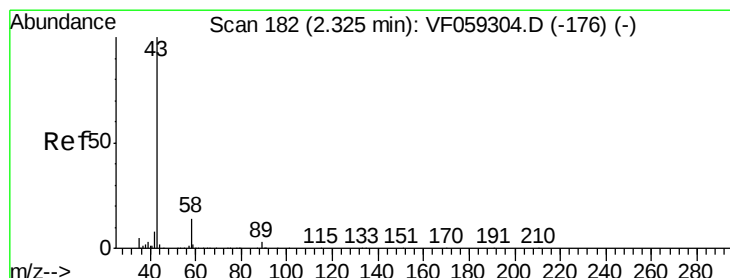
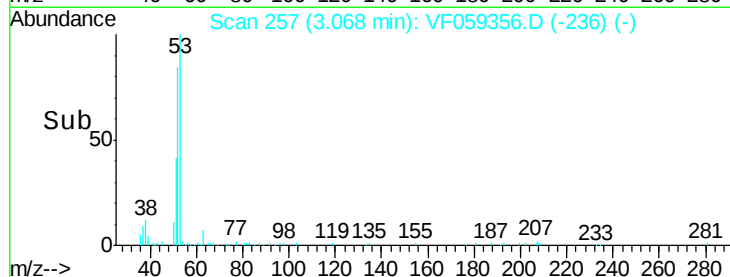
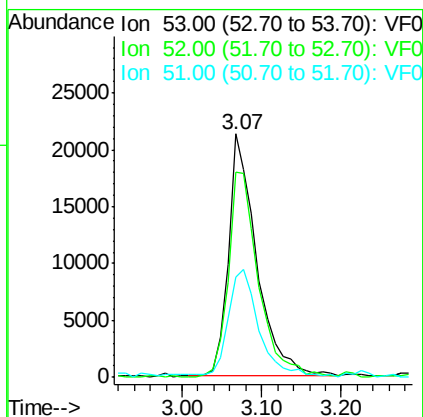
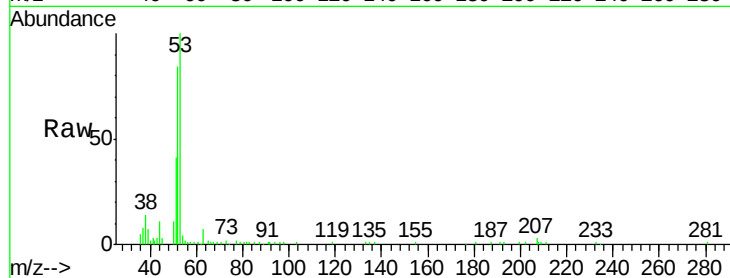
ClientSampleId :

VF0628SBS01

Tot Ion:	53	Resp:	52847
Ion	Ratio	Lower	Upper
53	100		
52	84.0	79.2	118.8
51	41.2	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 115.76 ug/l

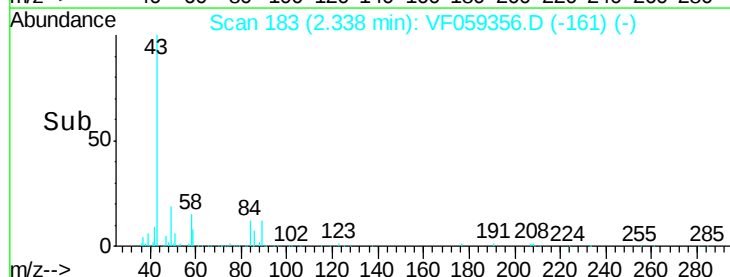
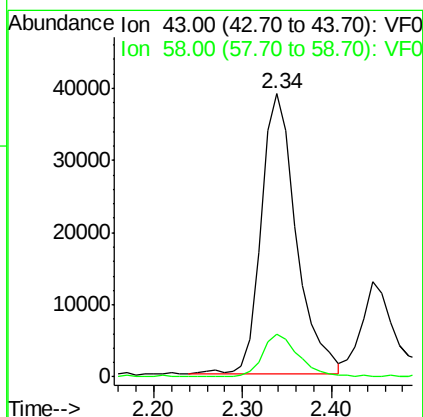
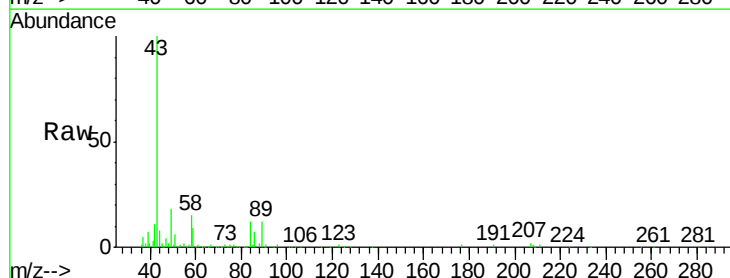
RT: 2.34 min Scan# 183

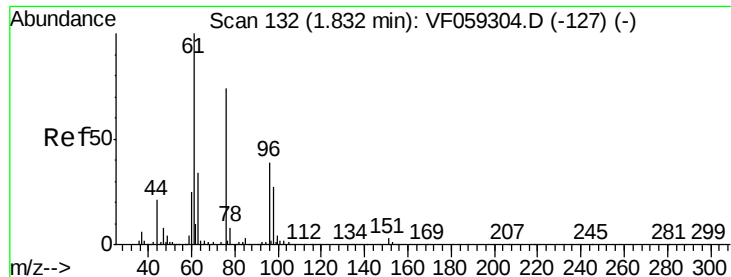
Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	43	Resp:	105940
Ion	Ratio	Lower	Upper
43	100		
58	15.2	11.4	17.0





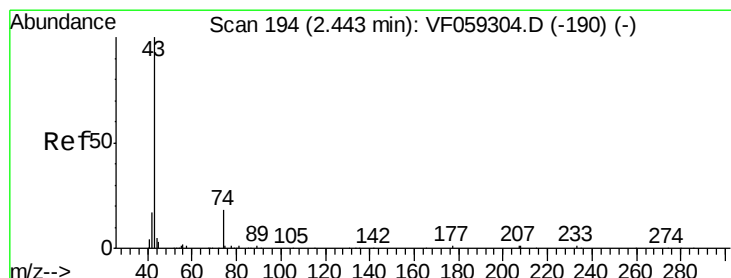
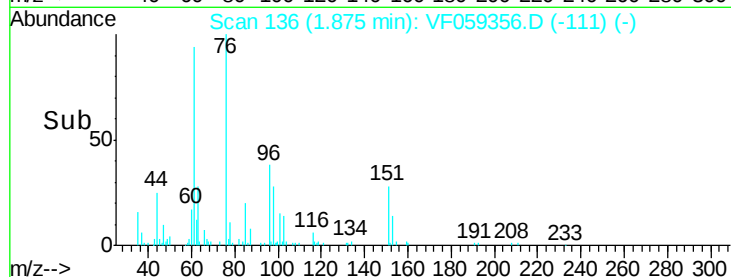
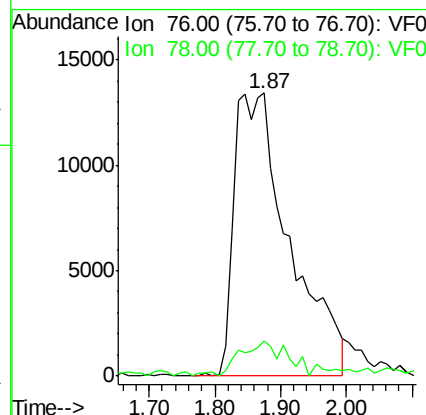
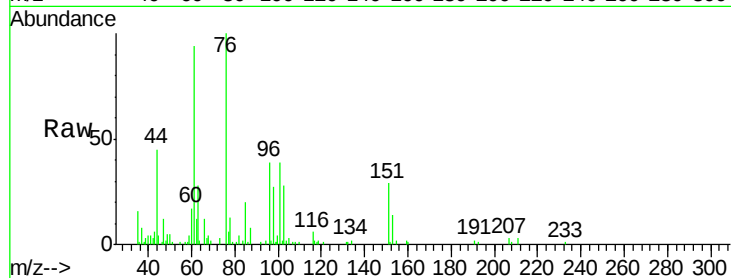
#17
Carbon Disulfide
Concen: 20.92 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.04 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.5	8.9	13.3

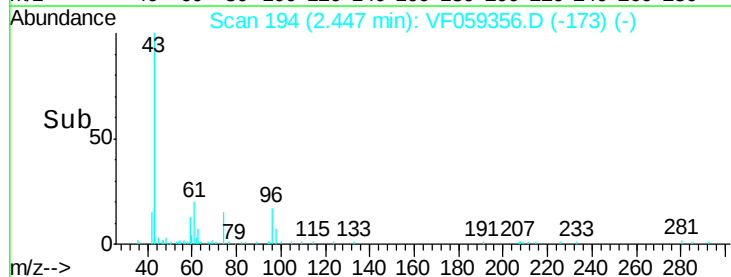
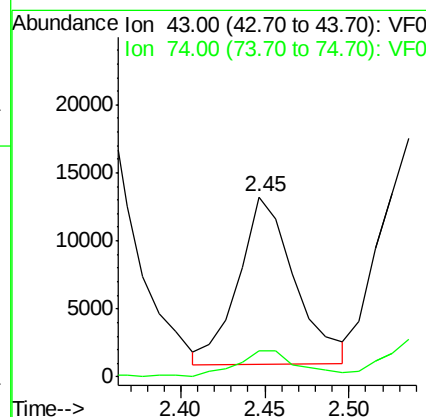
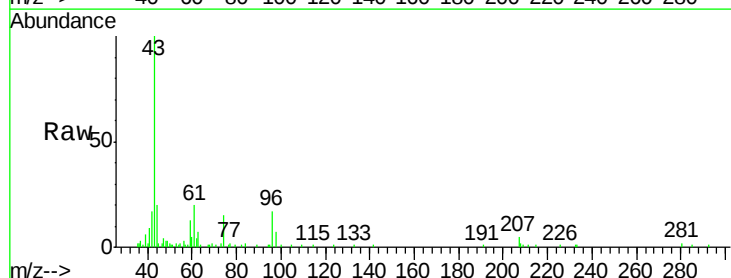
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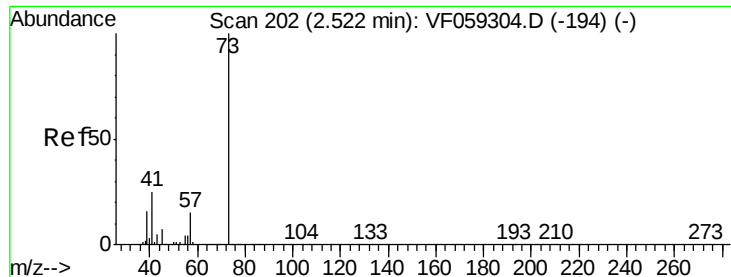
apatel
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#18
Methyl Acetate
Concen: 17.45 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	13.3	19.9





#19

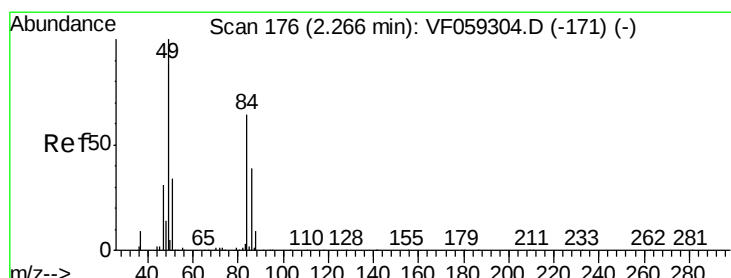
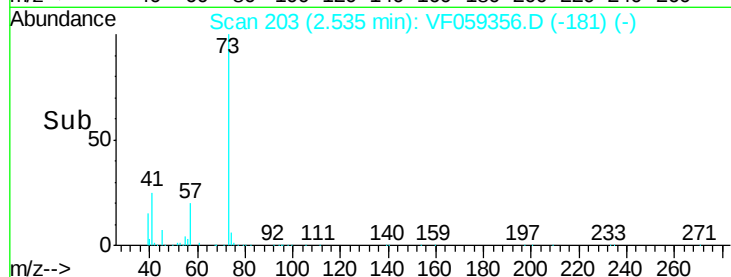
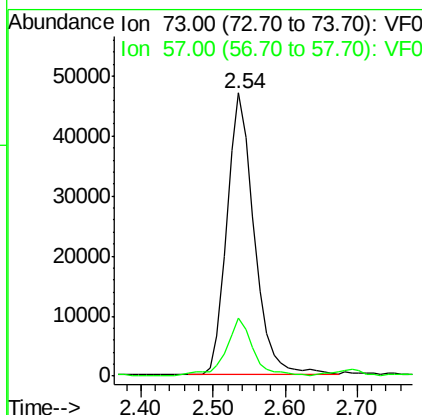
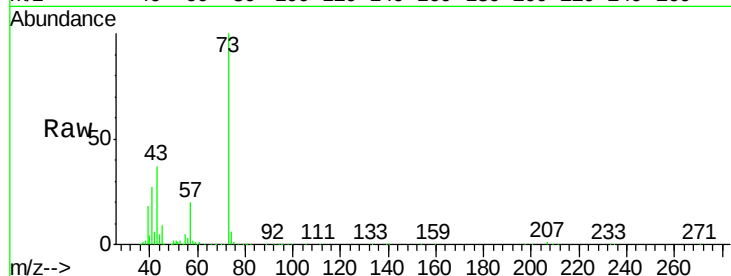
Methyl tert-butyl Ether
Concen: 20.74 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleID :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	12.3	18.5#

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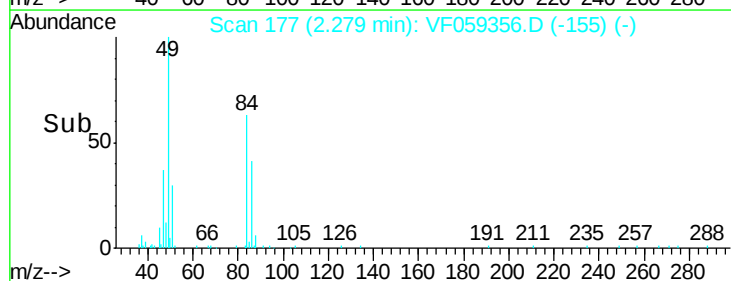
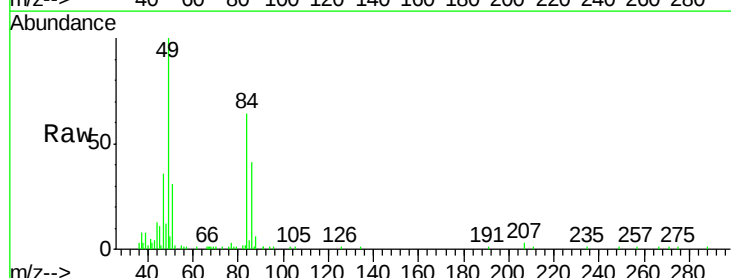
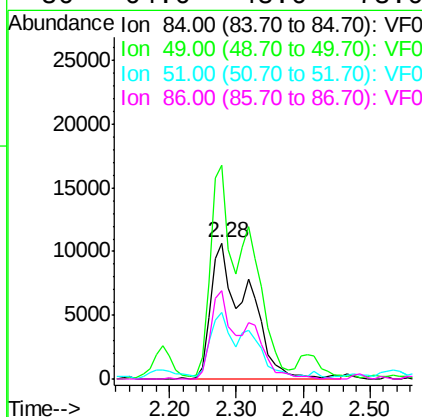
apatel
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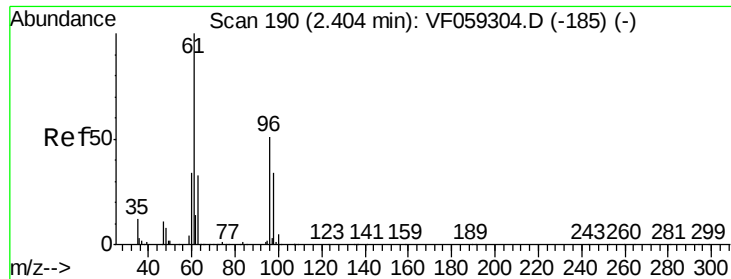


#20

Methylene Chloride
Concen: 15.89 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.9	126.5	189.7
51	49.0	42.9	64.3
86	64.6	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 22.62 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

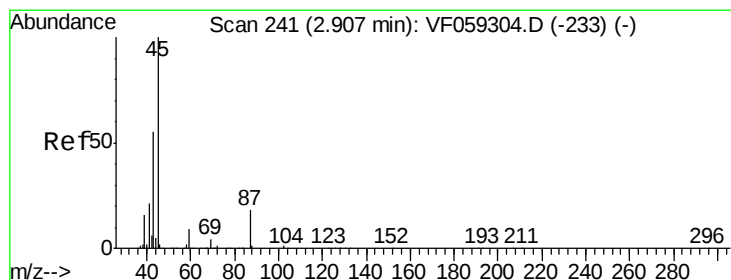
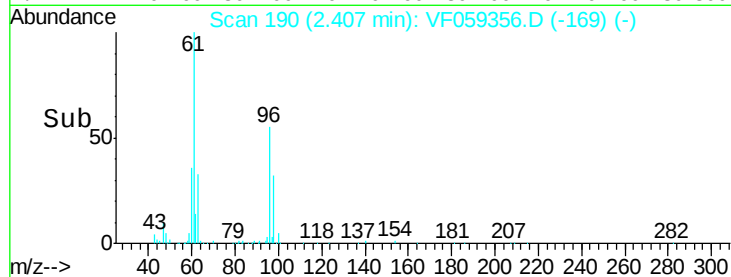
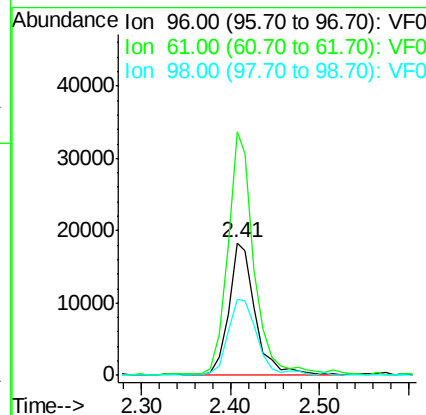
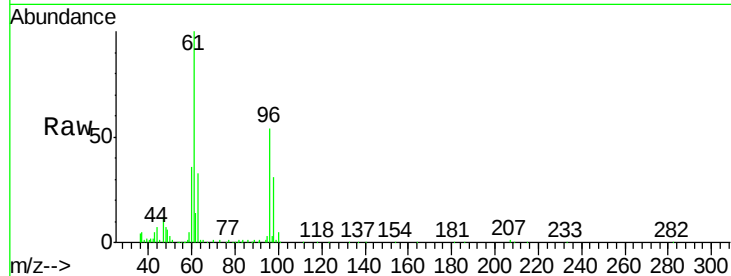
ClientSampleId :

VF0628SBS01

Tot Ion:	96	Resp:	38528
Ion	Ratio	Lower	Upper
96	100		
61	183.8	157.4	236.2
98	57.3	53.7	80.5

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#22

Diisopropyl ether

Concen: 20.93 ug/l

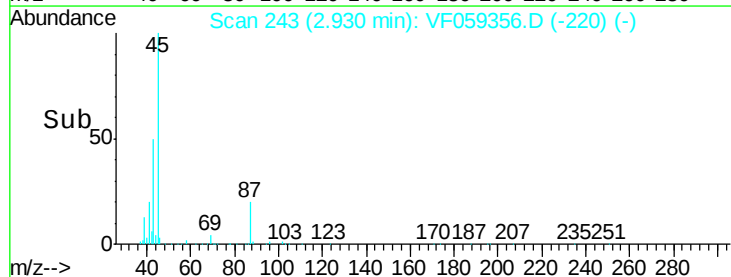
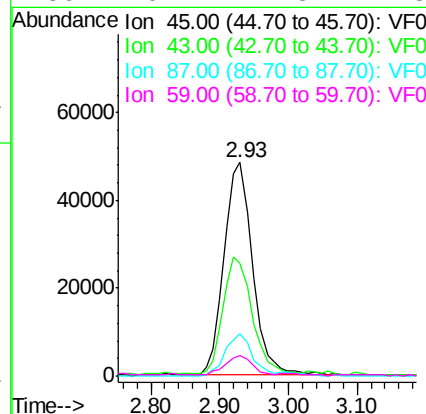
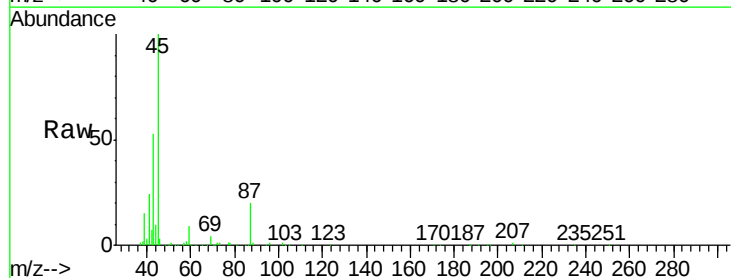
RT: 2.93 min Scan# 243

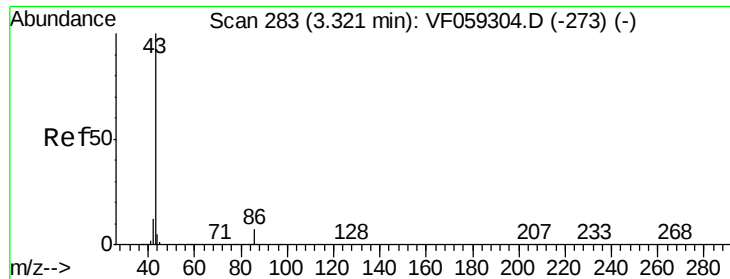
Delta R.T. 0.02 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	45	Resp:	138942
Ion	Ratio	Lower	Upper
45	100		
43	52.6	44.6	66.8
87	20.0	14.3	21.5
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 110.83 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 43 Resp: 468460

Ion Ratio Lower Upper

43 100

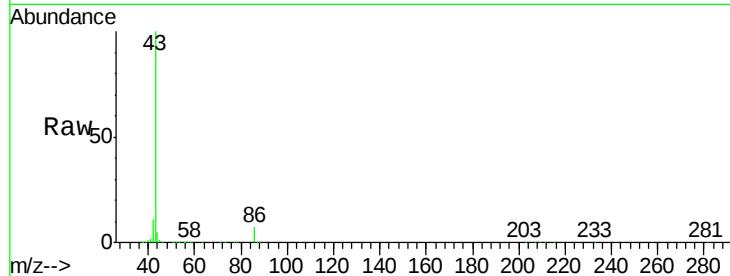
86 6.9 5.8 8.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

200000

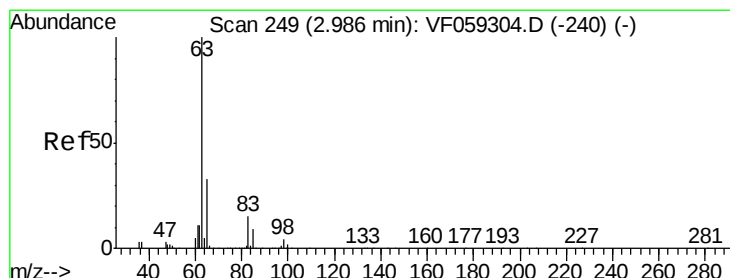
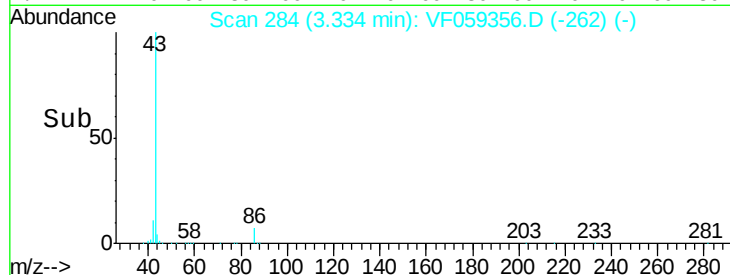
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.92 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

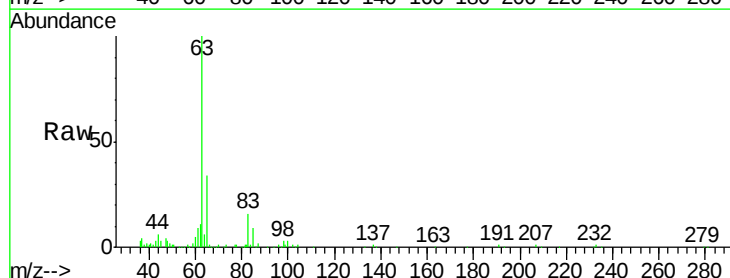
Tgt Ion: 63 Resp: 90180

Ion Ratio Lower Upper

63 100

98 2.8 2.0 6.0

100 3.4 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

40000

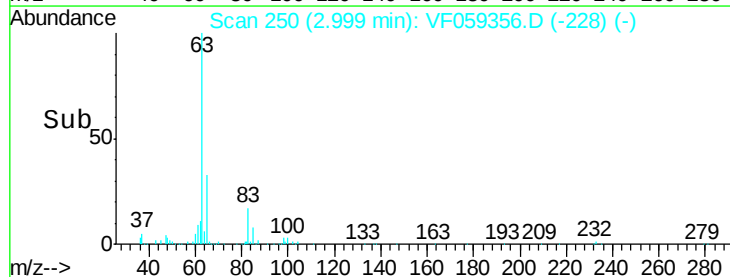
30000

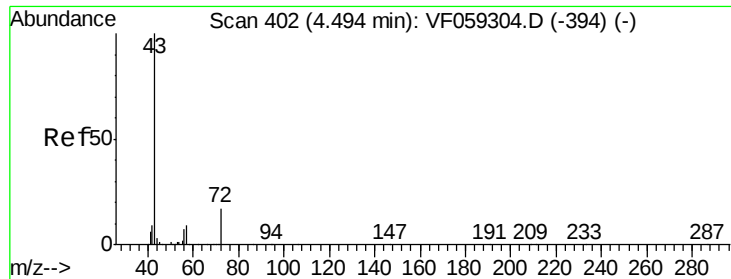
20000

10000

0

Time-->





#25

2-Butanone

Concen: 115.49 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tot Ion: 43 Resp: 123802

Ion Ratio Lower Upper

43 100

72 17.5 14.4 21.6

Instrument :

MSVOA_F

ClientSampleId :

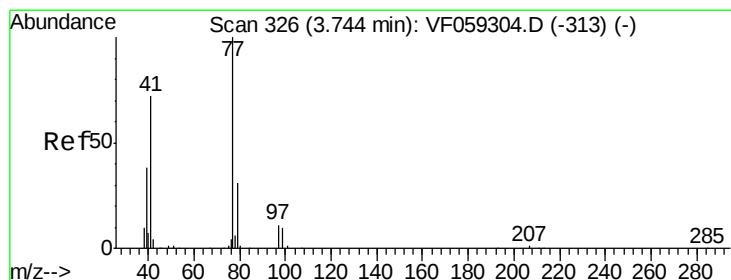
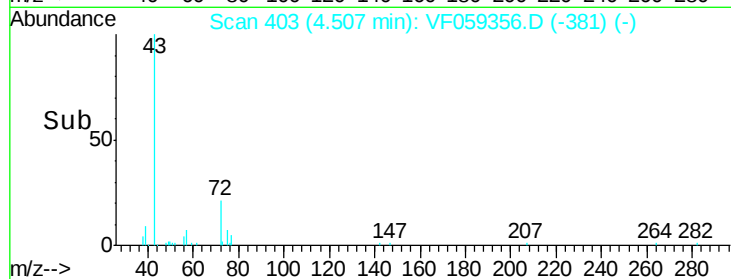
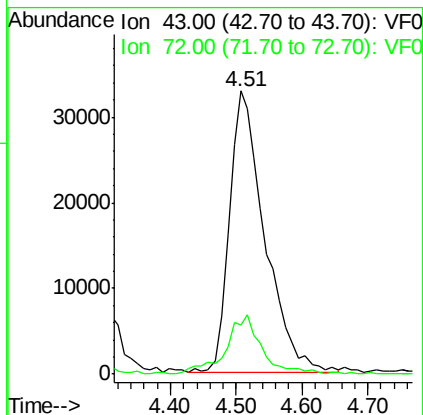
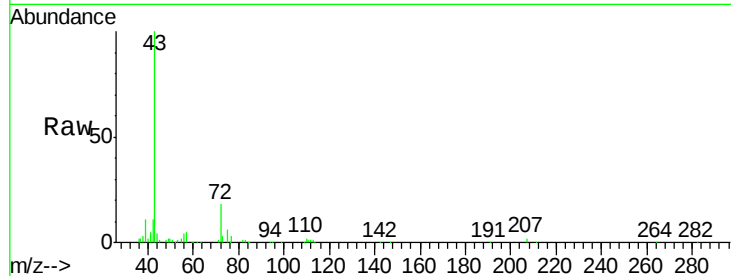
VF0628SBS01

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#26

2,2-Dichloropropane

Concen: 24.37 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059356.D

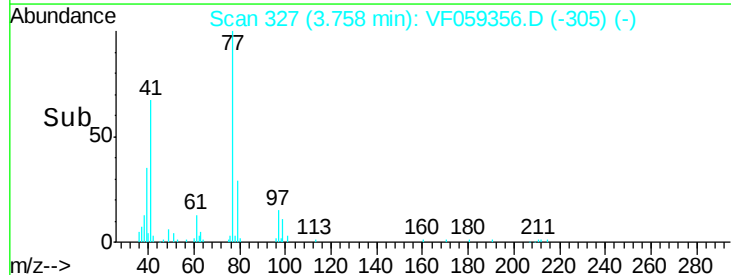
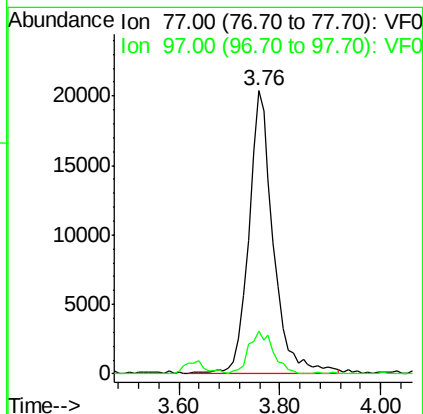
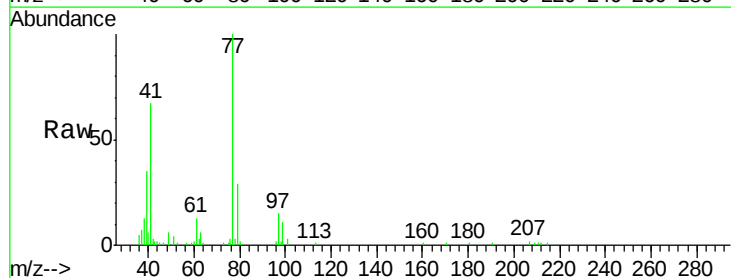
Acq: 28 Jun 2018 13:14

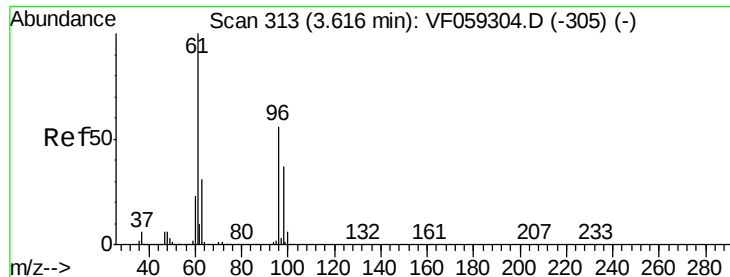
Tgt Ion: 77 Resp: 69176

Ion Ratio Lower Upper

77 100

97 15.2 8.0 23.8





#27

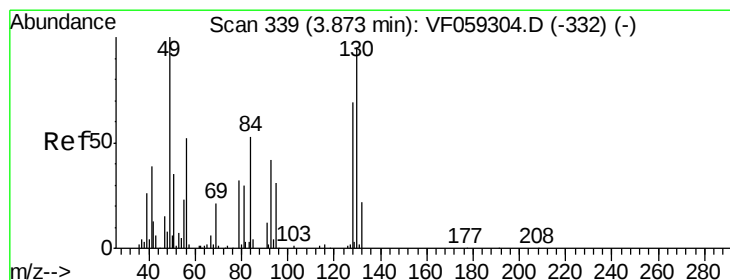
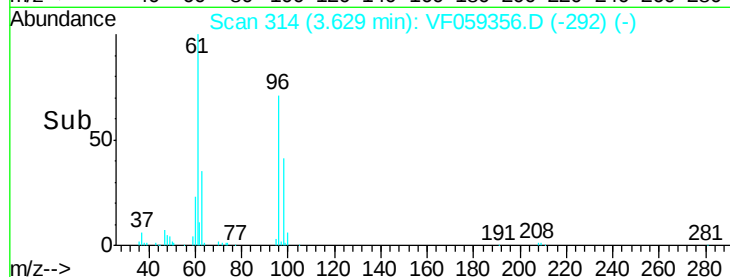
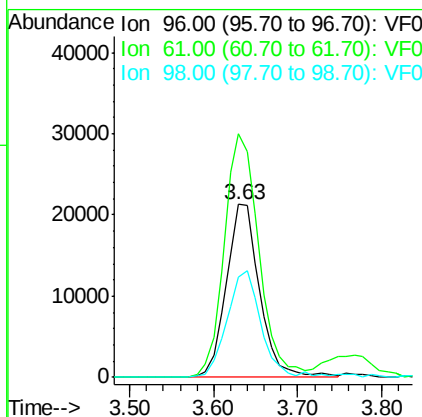
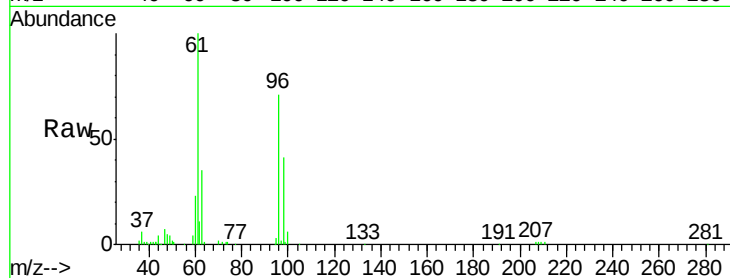
cis-1,2-Dichloroethene
Concen: 22.76 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58847		
61	140.9	0.0	355.4	
98	58.1	0.0	131.0	

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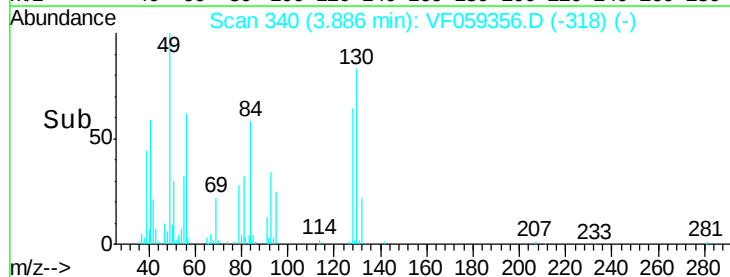
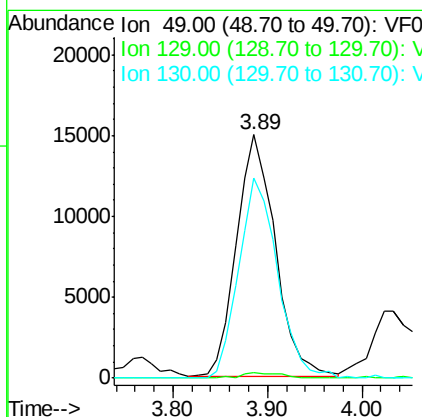
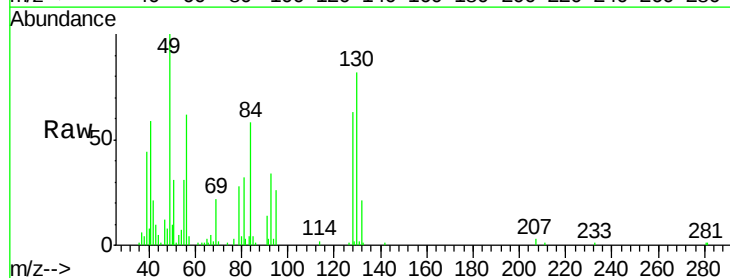
apatel
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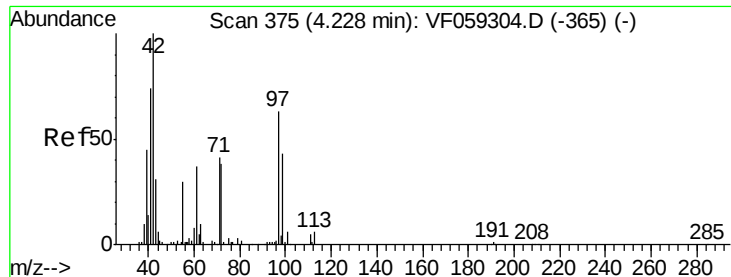


#28

Bromochloromethane
Concen: 24.70 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42423		
129	2.2	0.0	6.4	
130	82.3	75.1	112.7	





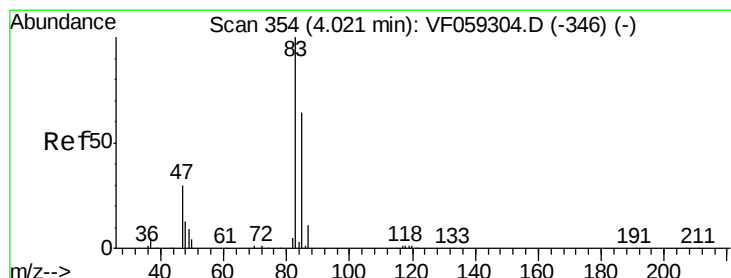
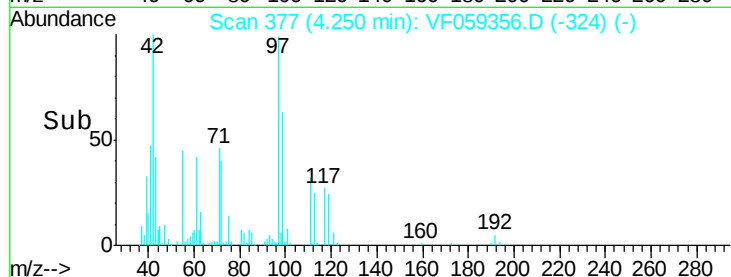
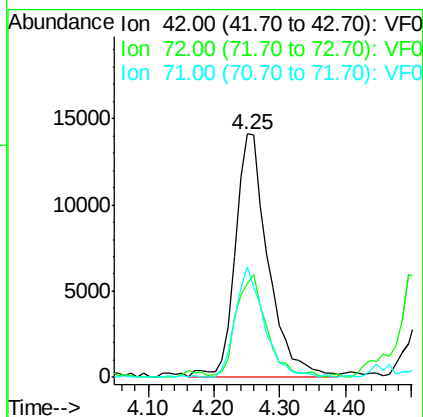
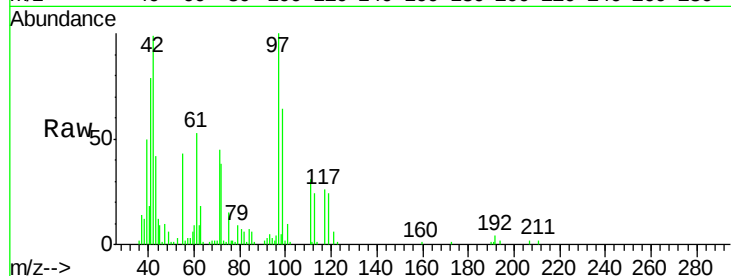
#29
Tetrahydrofuran
Concen: 105.27 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	30.5	45.7
71	39.3	32.5	48.7

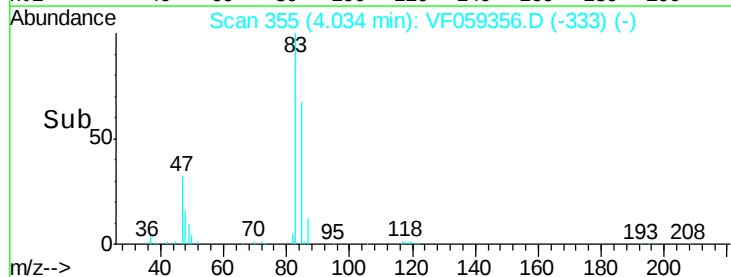
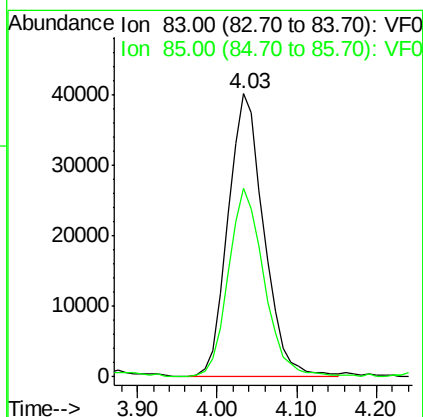
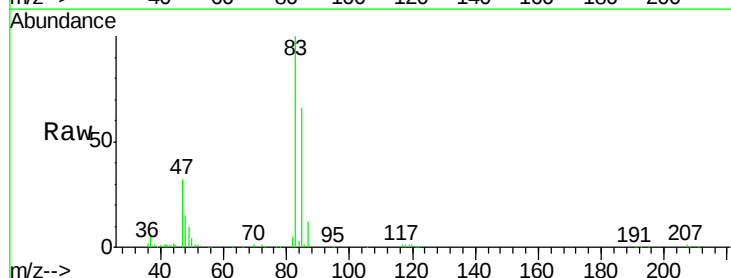
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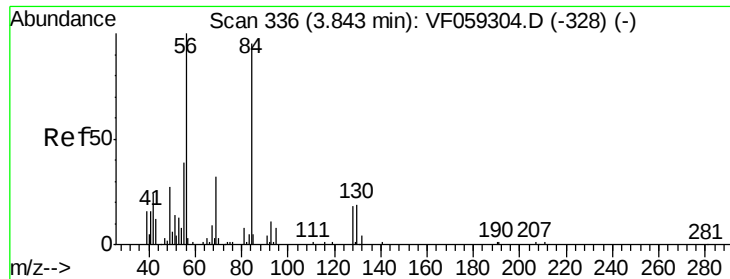
apatel
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#30
Chloroform
Concen: 21.23 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9





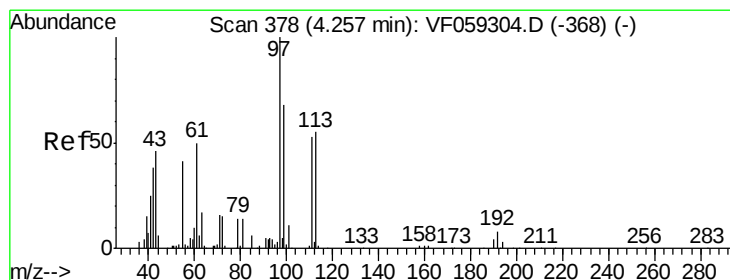
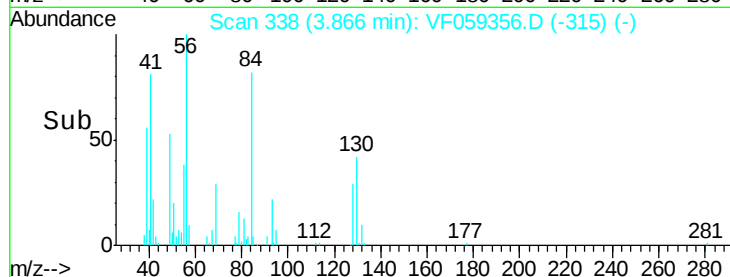
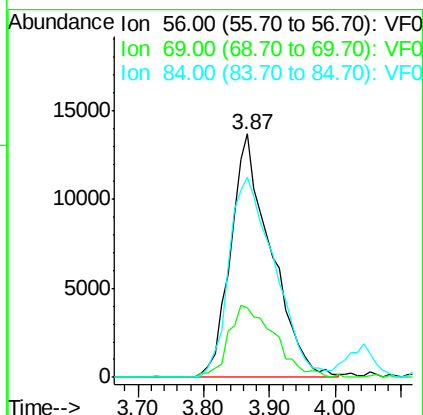
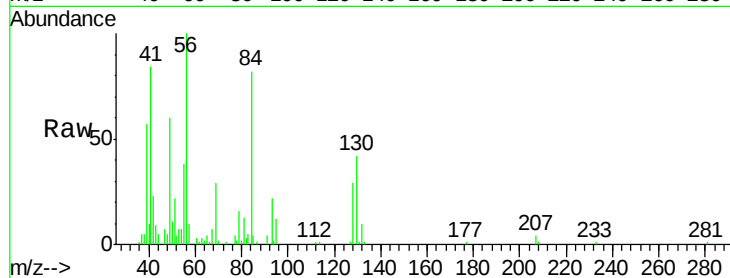
#31
Cvclohexane
Concen: 21.78 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	25.8	38.8
84	82.1	75.6	113.4

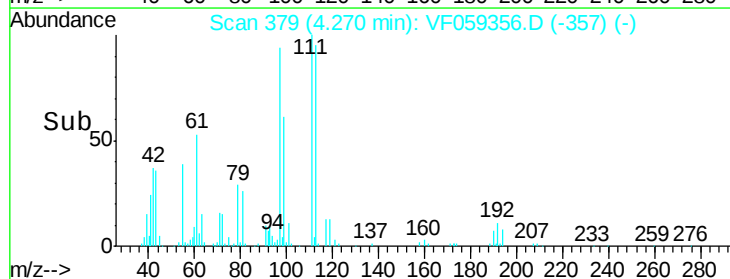
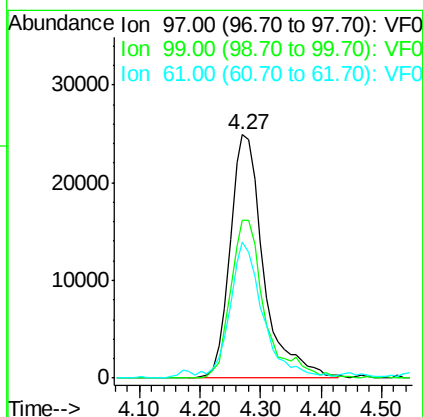
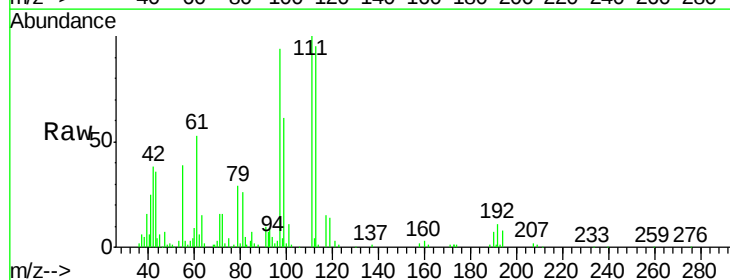
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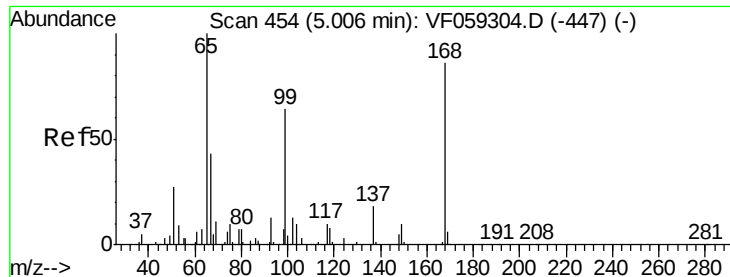
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#32
1,1,1-Trichloroethane
Concen: 21.96 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	54.1	81.1
61	55.8	41.2	61.8





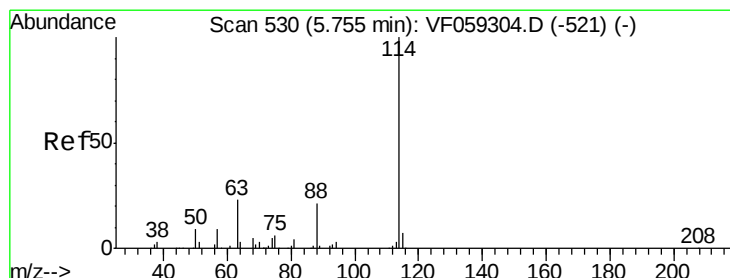
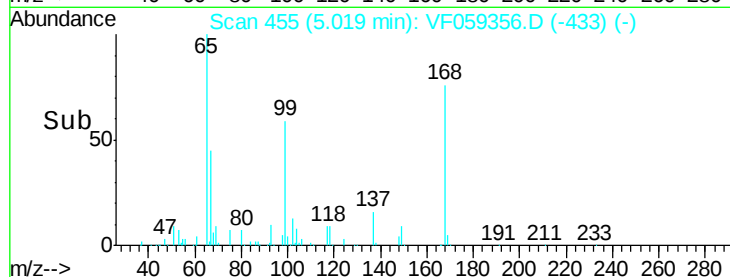
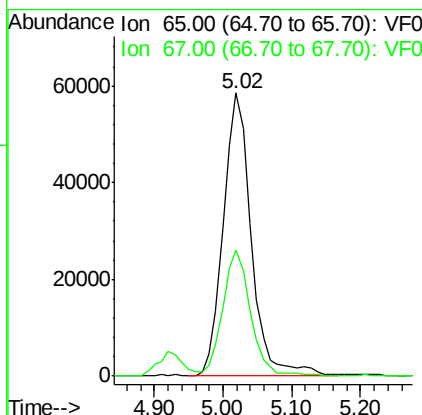
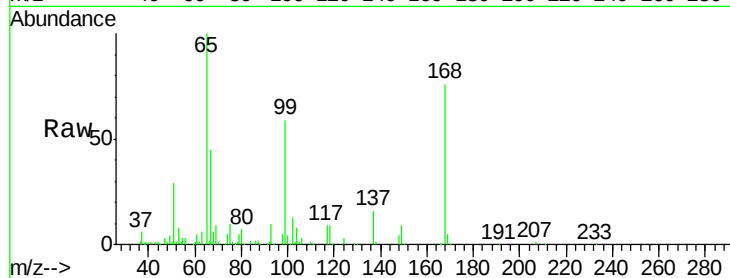
#33
 1,2-Dichloroethane-d4
 Concen: 47.26 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165364		
67	44.7	0.0	96.8	

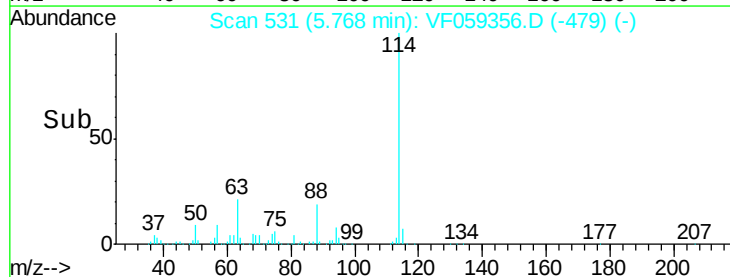
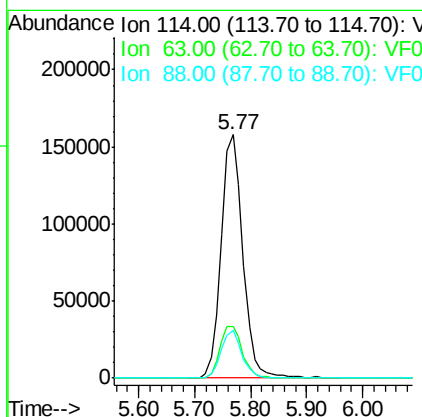
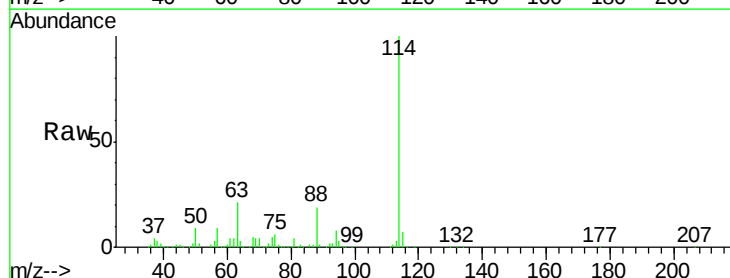
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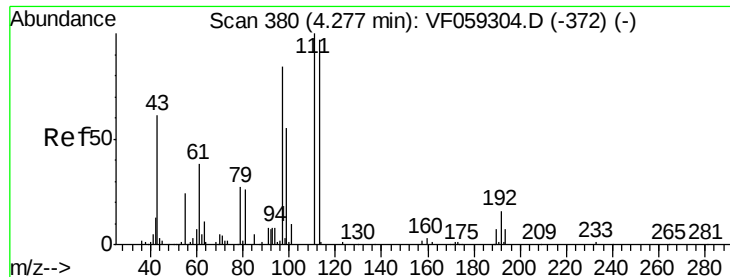
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	427378		
63	21.4	0.0	45.8	
88	19.4	0.0	41.2	





#35

Dibromofluoromethane

Concen: 47.43 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

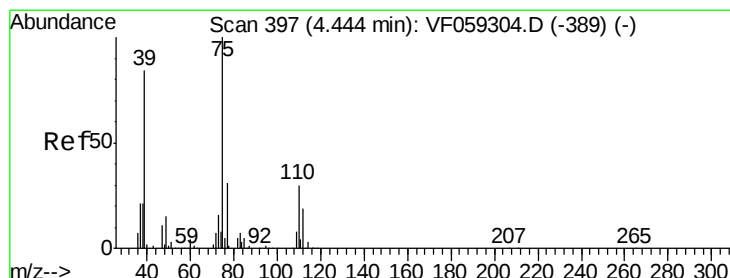
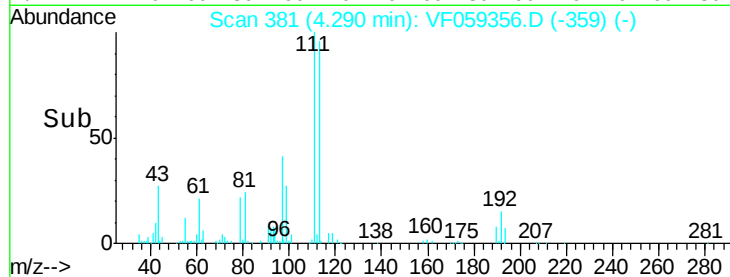
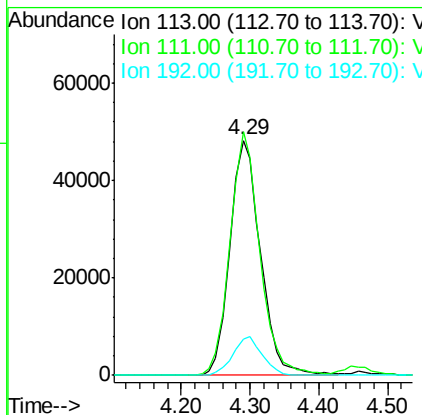
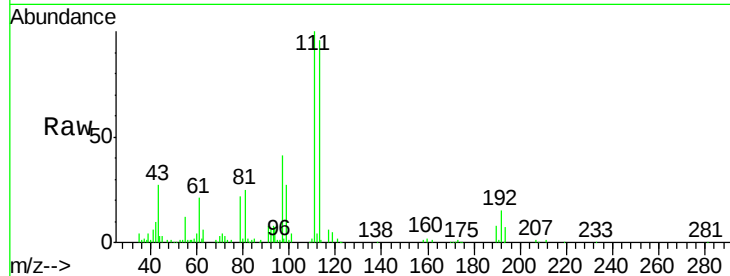
ClientSampleId :

VF0628SBS01

Tot Ion:	113	Resp:	148102
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.1	123.1
192	15.2	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 21.04 ug/l

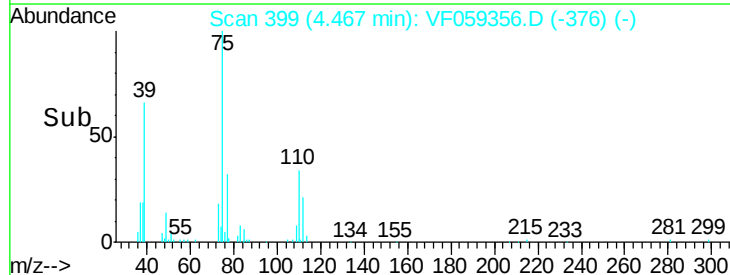
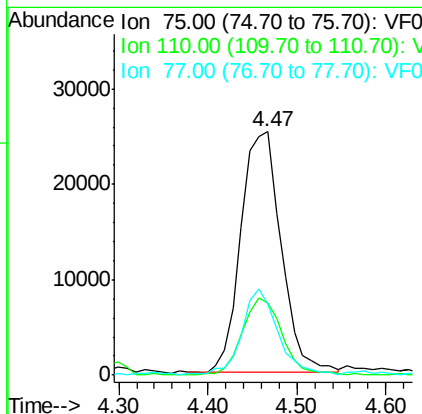
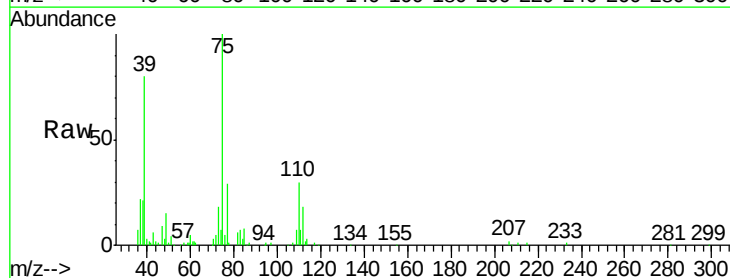
RT: 4.47 min Scan# 399

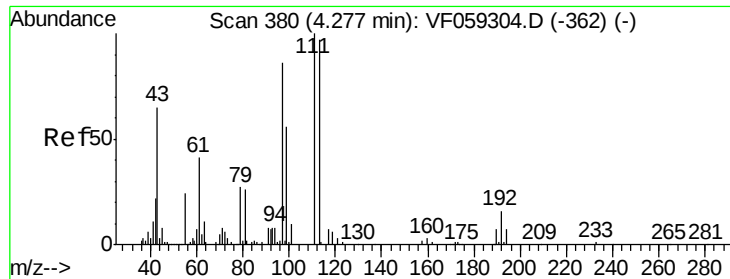
Delta R.T. 0.02 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	75	Resp:	78537
Ion Ratio	Lower	Upper	
75	100		
110	29.8	14.8	44.4
77	29.2	25.2	37.8





#37

Ethyl Acetate

Concen: 22.65 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

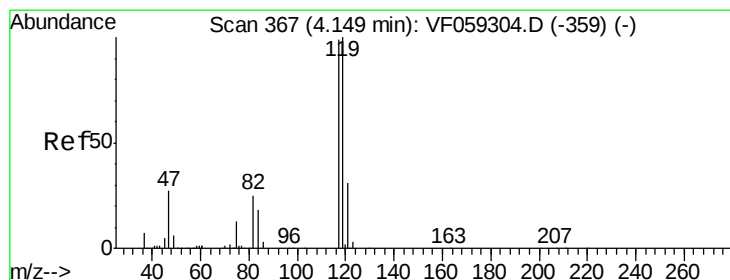
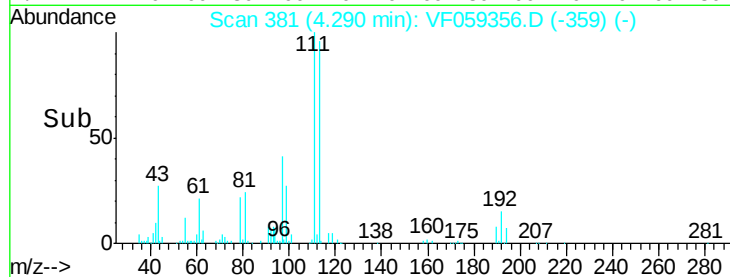
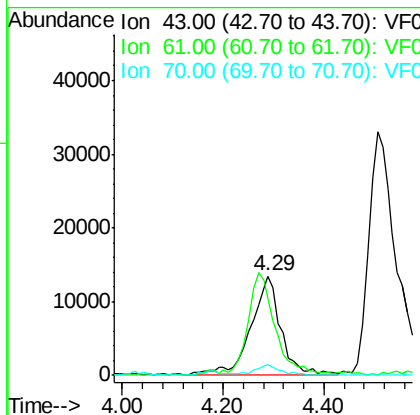
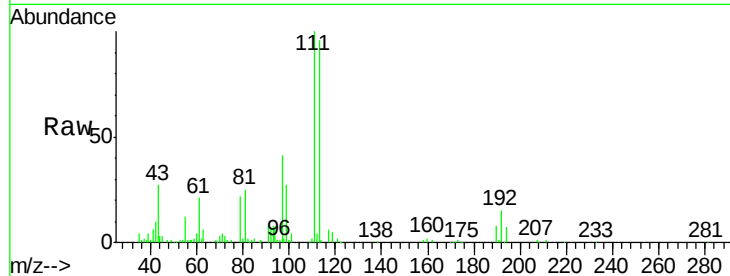
ClientSampleId :

VF0628SBS01

Tot Ion:	43	Resp:	56037
Ion	Ratio	Lower	Upper
43	100		
61	77.0	50.1	75.1#
70	10.2	6.2	9.4#

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#38

Carbon Tetrachloride

Concen: 21.15 ug/l

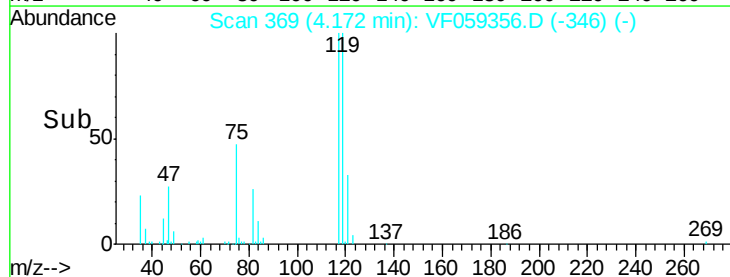
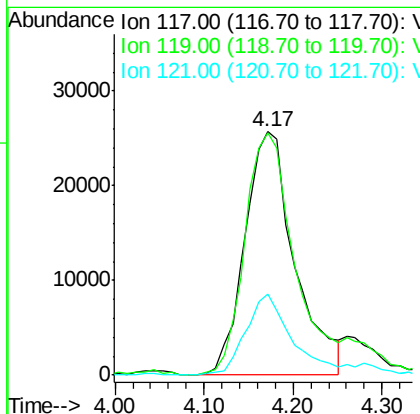
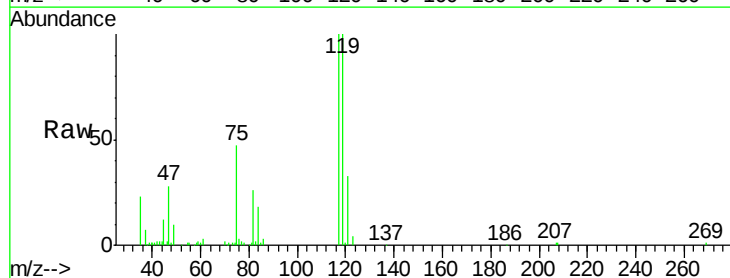
RT: 4.17 min Scan# 369

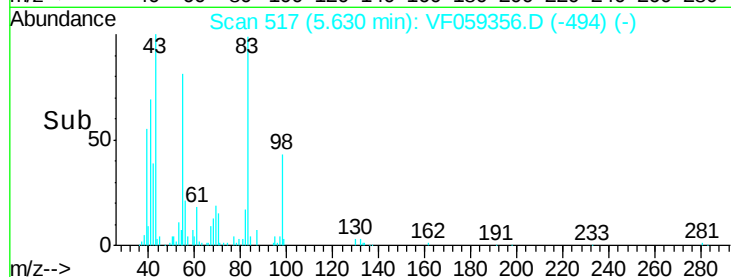
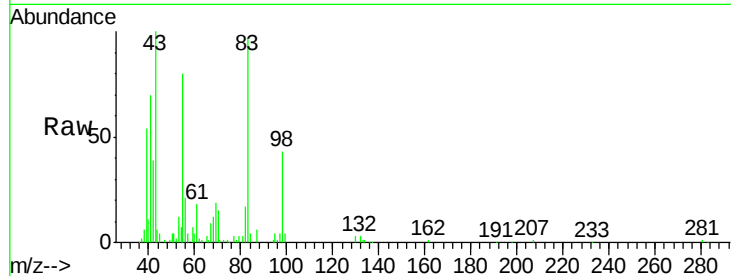
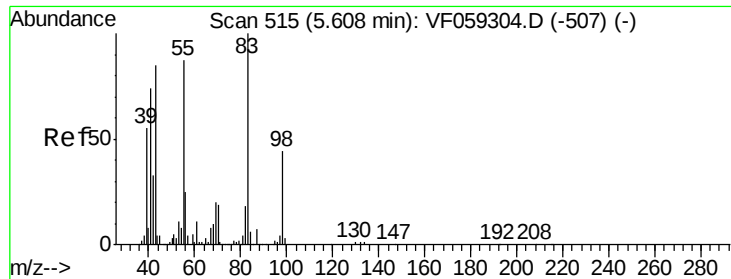
Delta R.T. 0.02 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	117	Resp:	99648
Ion	Ratio	Lower	Upper
117	100		
119	99.7	81.0	121.4
121	33.2	24.7	37.1





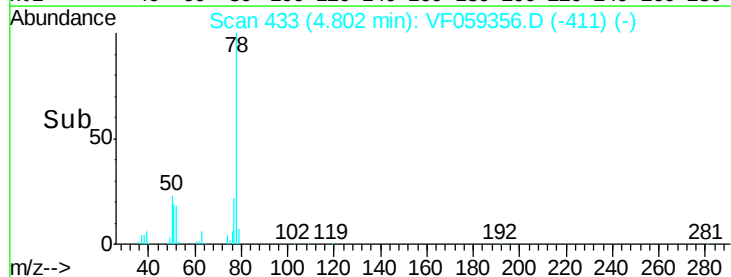
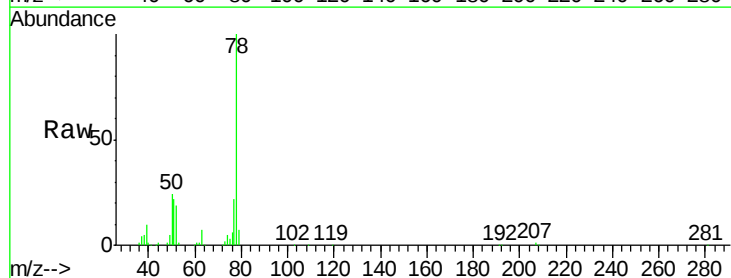
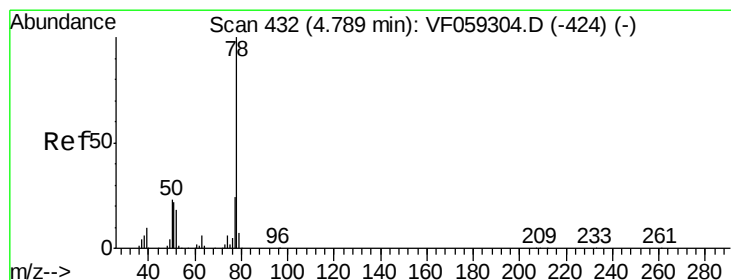
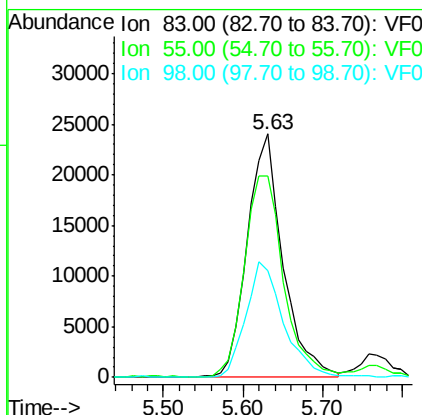
#39
Methylcyclohexane
Concen: 22.49 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	69.2	103.8
98	43.8	35.0	52.6

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

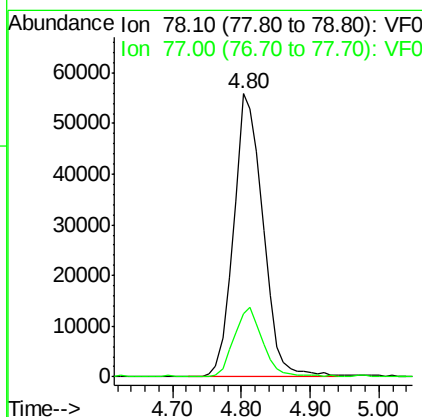
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#40
Benzene
Concen: 19.94 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.6	29.4





#41

Methacrylonitrile

Concen: 18.69 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 41 Resp: 23798

Ion Ratio Lower Upper

41 100

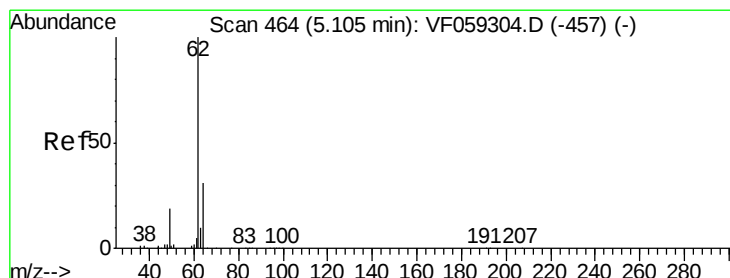
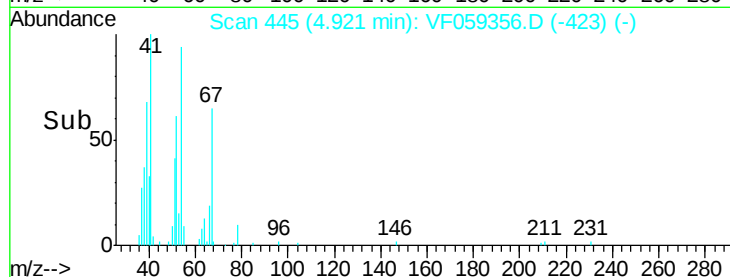
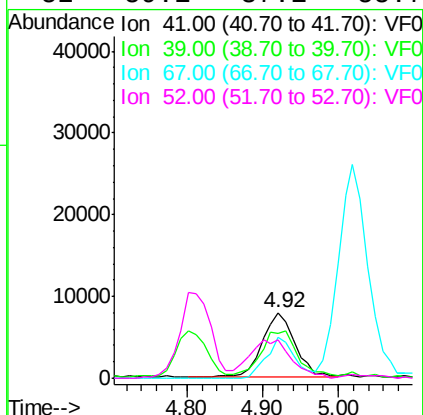
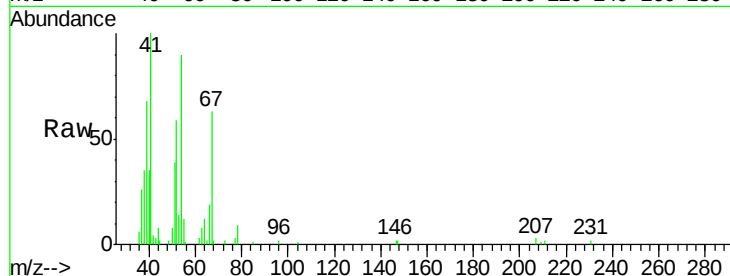
39 68.4 50.0 75.0

67 62.8 37.0 55.6#

52 59.1 37.1 55.7#

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#42

1,2-Dichloroethane

Concen: 20.40 ug/l

RT: 5.12 min Scan# 465

Delta R.T. 0.01 min

Lab File: VF059356.D

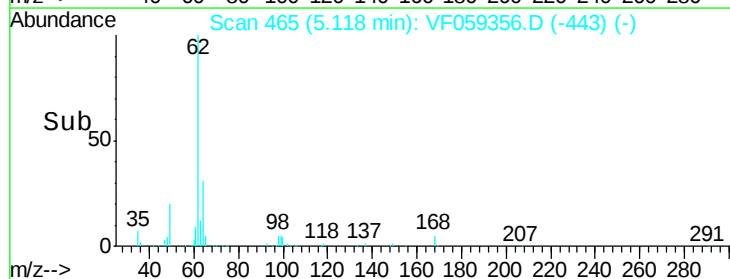
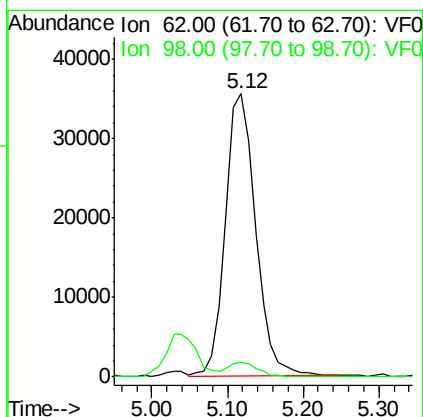
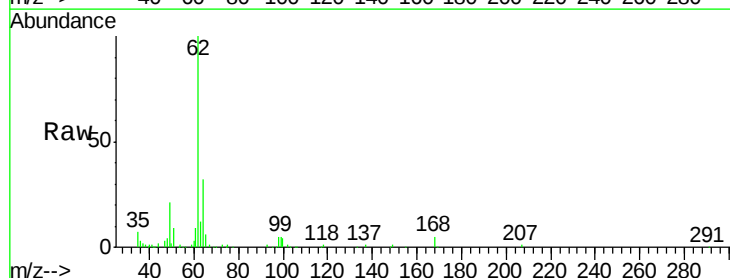
Acq: 28 Jun 2018 13:14

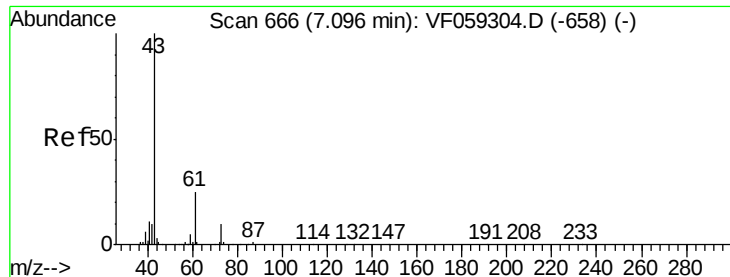
Tgt Ion: 62 Resp: 98679

Ion Ratio Lower Upper

62 100

98 5.2 0.0 11.4





#43

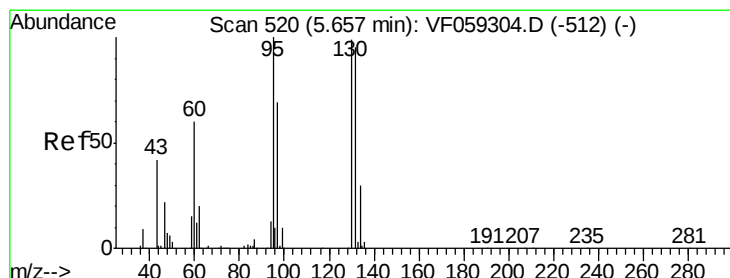
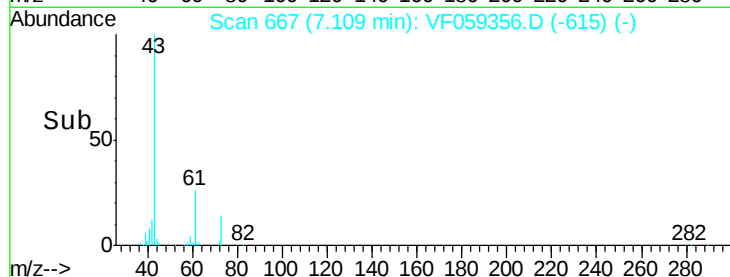
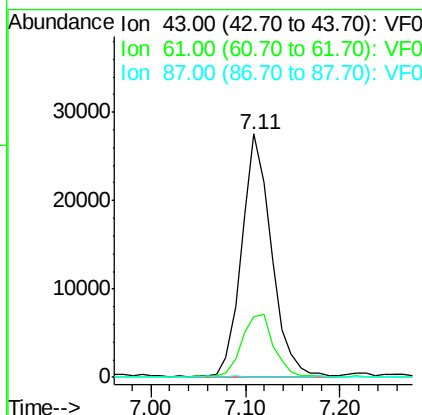
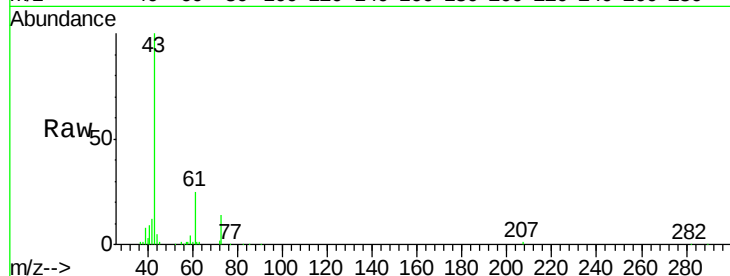
Isopropyl Acetate
 Concen: 19.52 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	19.7	29.5
87	0.0	0.5	0.7#

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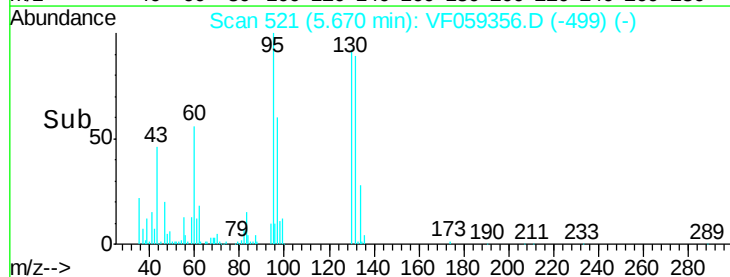
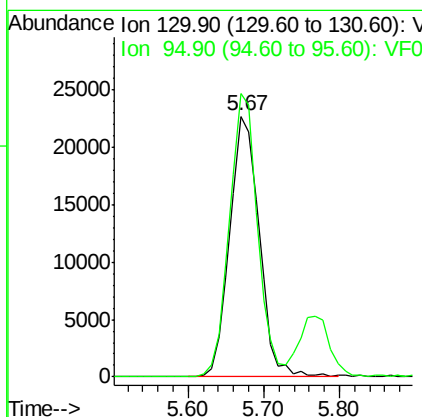
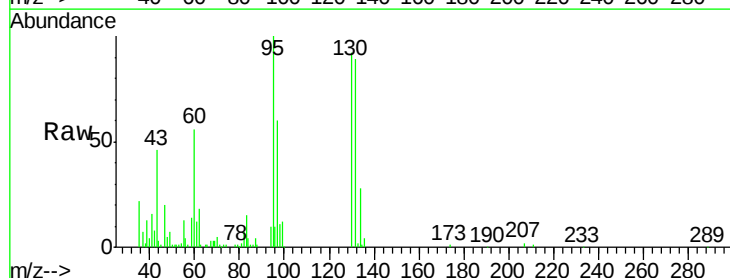
apatel
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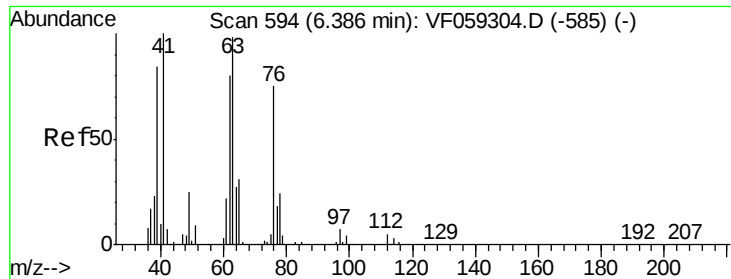


#44

Trichloroethene
 Concen: 21.56 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.37 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 63 Resp: 50546

Ion Ratio Lower Upper

63 100

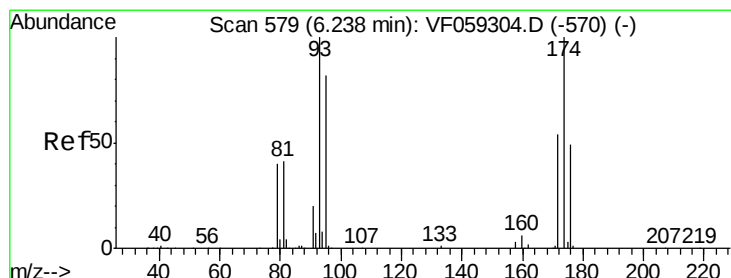
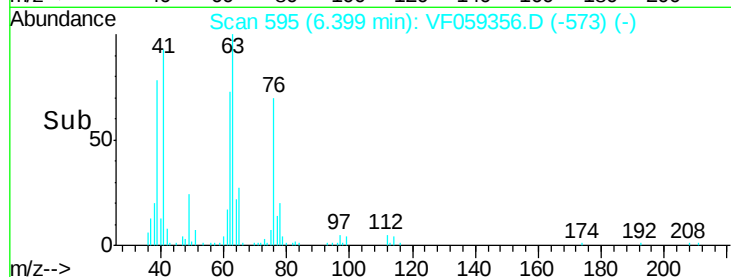
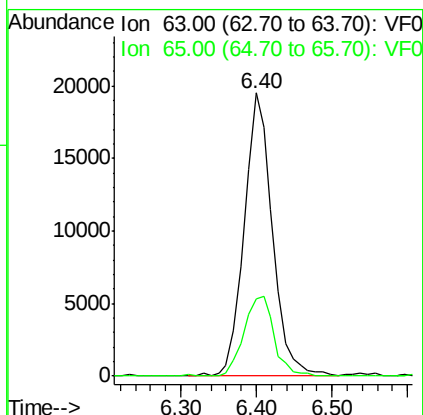
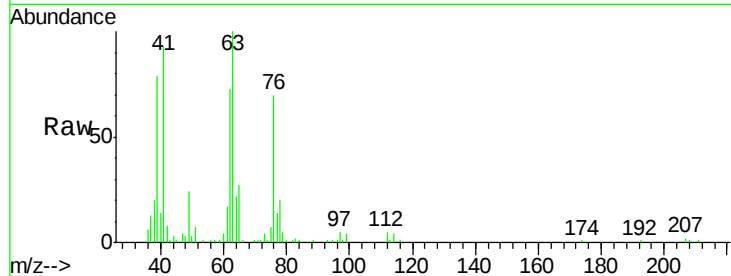
65 27.2 25.3 37.9

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#46

Dibromomethane

Concen: 20.87 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

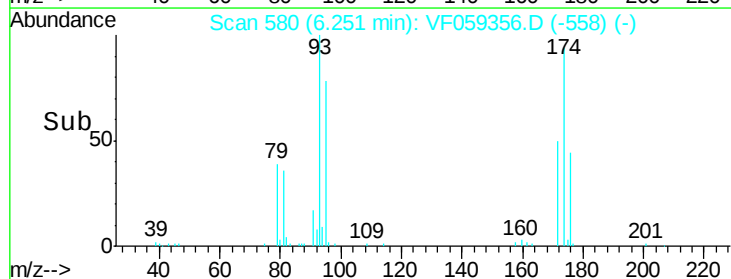
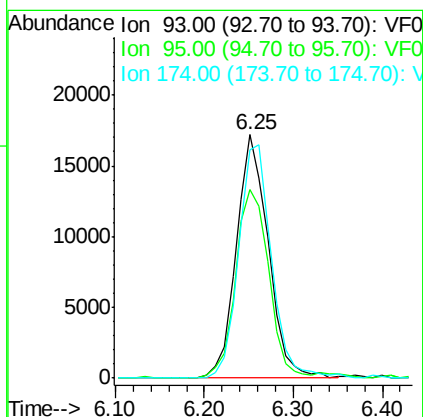
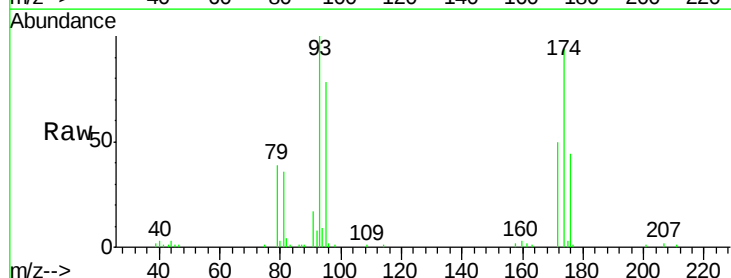
Tgt Ion: 93 Resp: 42843

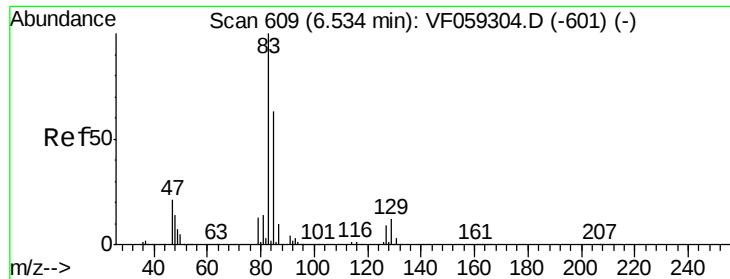
Ion Ratio Lower Upper

93 100

95 77.7 65.6 98.4

174 93.6 80.0 120.0





#47

Bromodichloromethane

Concen: 20.06 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

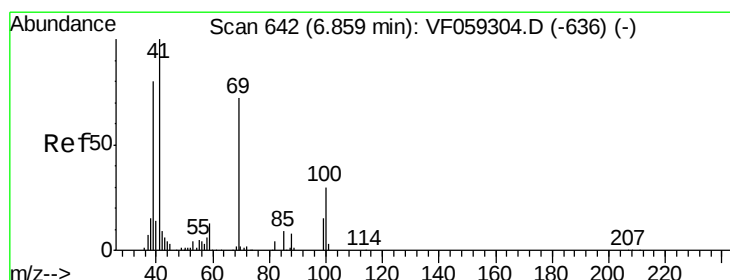
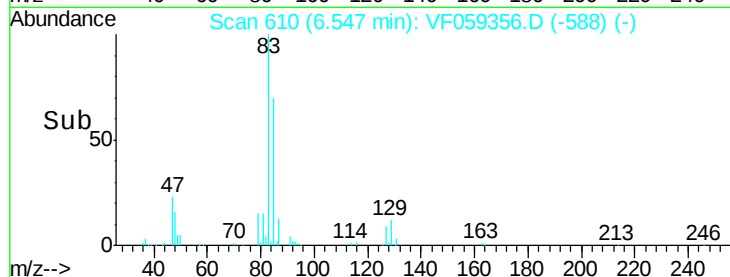
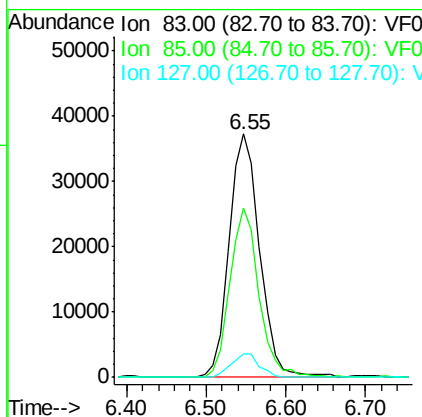
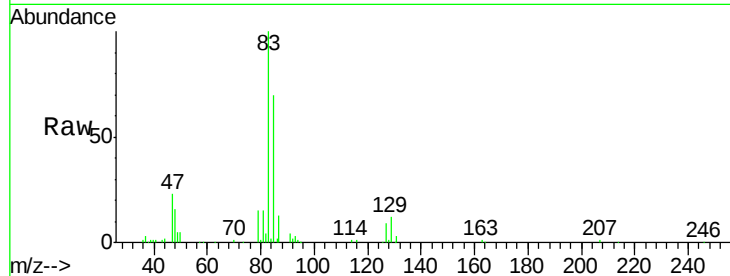
ClientSampleId :

VF0628SBS01

Tot Ion:	83	Resp:	99657
Ion Ratio	Lower	Upper	
83	100		
85	69.5	50.2	75.2
127	9.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 18.65 ug/l

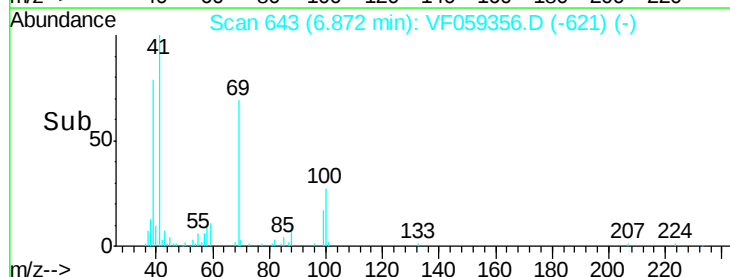
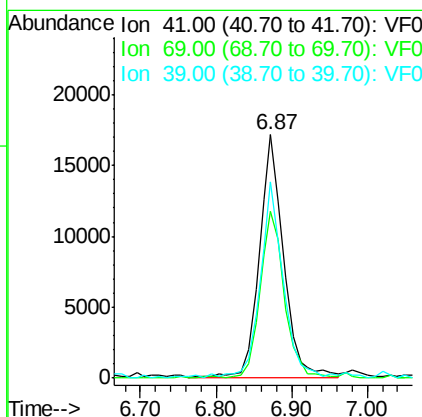
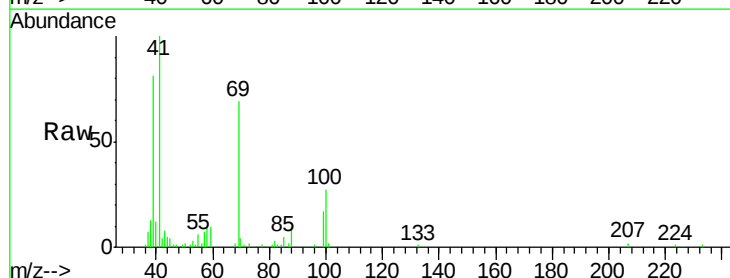
RT: 6.87 min Scan# 643

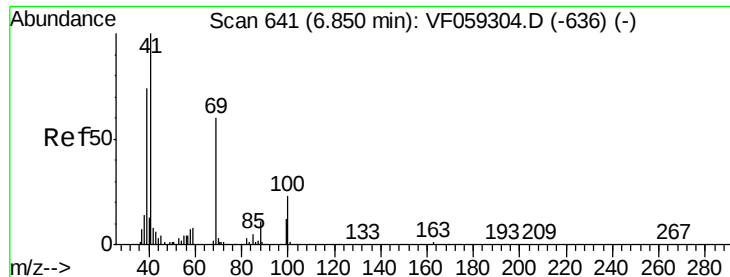
Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	41	Resp:	38872
Ion Ratio	Lower	Upper	
41	100		
69	68.7	57.3	85.9
39	80.7	64.4	96.6





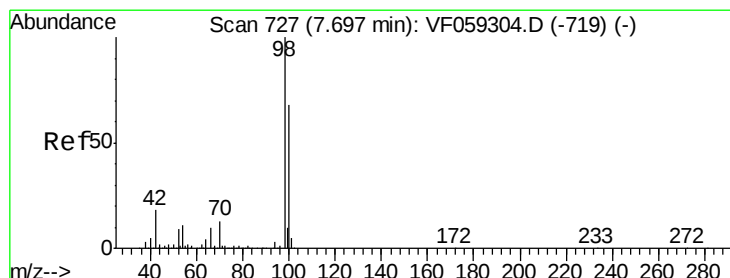
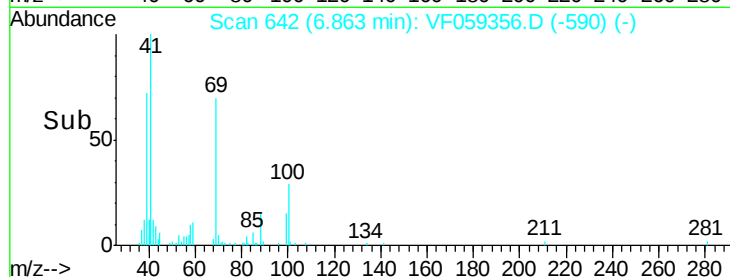
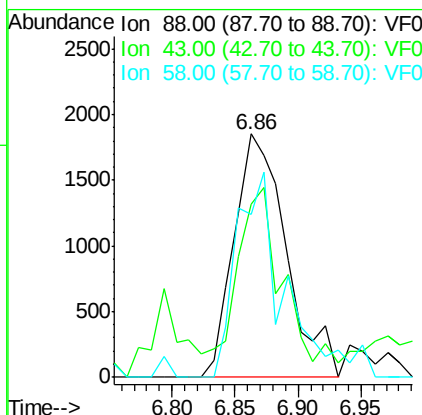
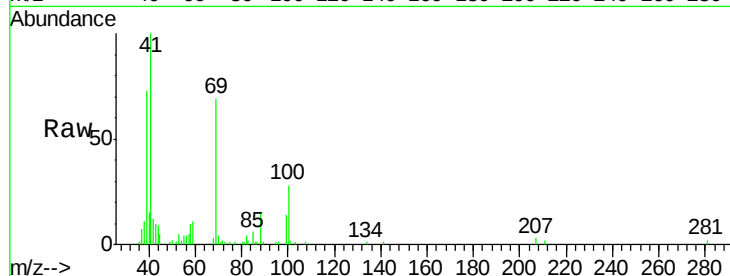
#49
1,4-Dioxane
Concen: 454.36 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.1	50.6	75.8
58	66.7	46.6	69.8

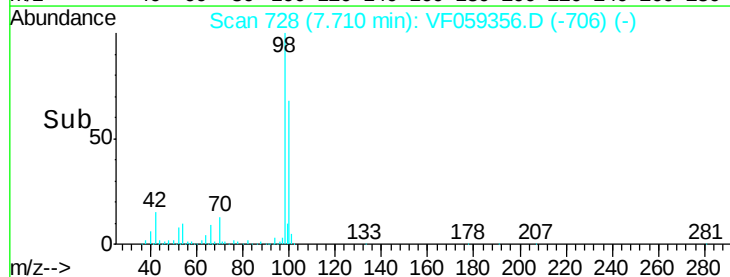
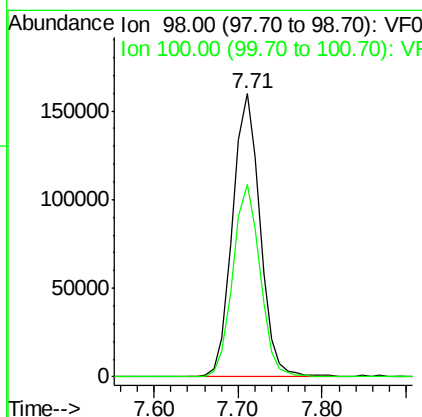
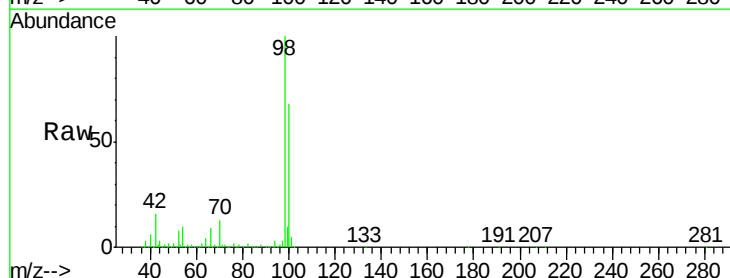
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#50
Toluene-d8
Concen: 47.07 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 103.24 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 43 Resp: 237864

Ion Ratio Lower Upper

43 100

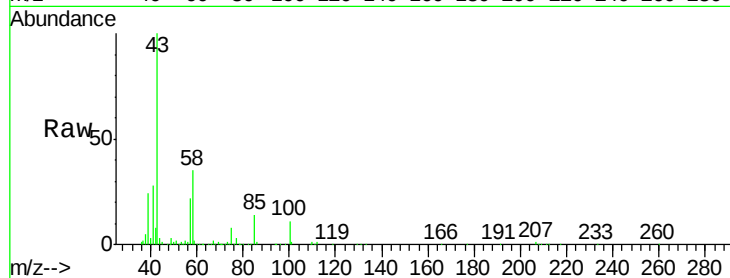
58 35.3 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

120000

100000

80000

60000

40000

20000

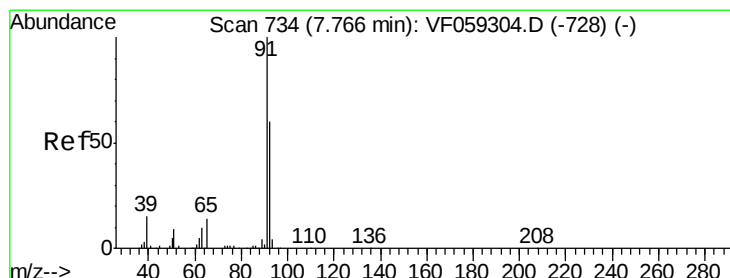
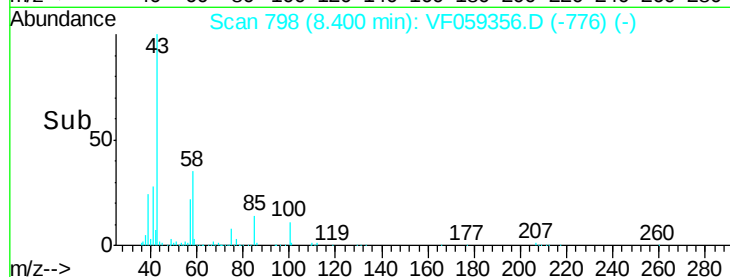
0

8.30

8.40

8.50

Time-->



#52

Toluene

Concen: 20.41 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059356.D

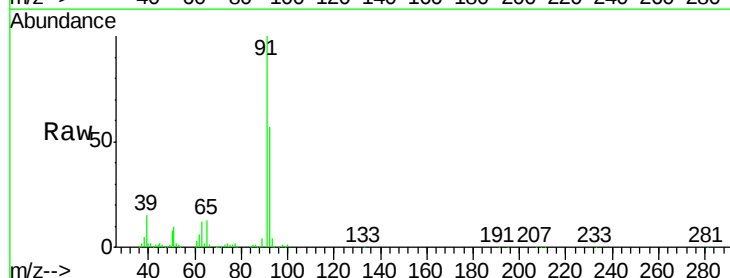
Acq: 28 Jun 2018 13:14

Tgt Ion: 92 Resp: 126413

Ion Ratio Lower Upper

92 100

91 175.3 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

100000

80000

60000

40000

20000

0

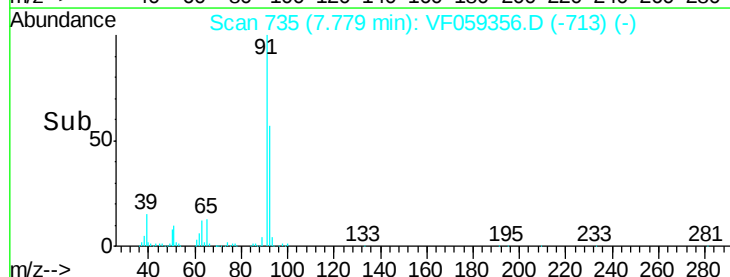
7.60

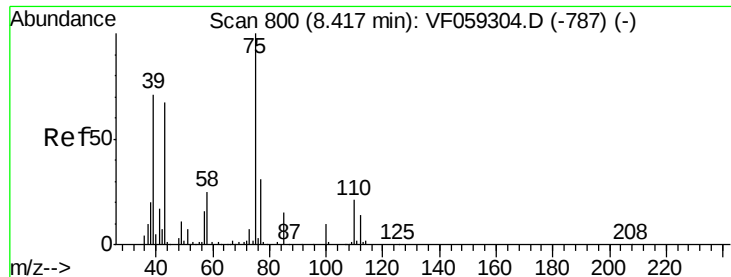
7.70

7.80

7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.00 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tot Ion: 75 Resp: 95095

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

Instrument :

MSVOA_F

ClientSampleId :

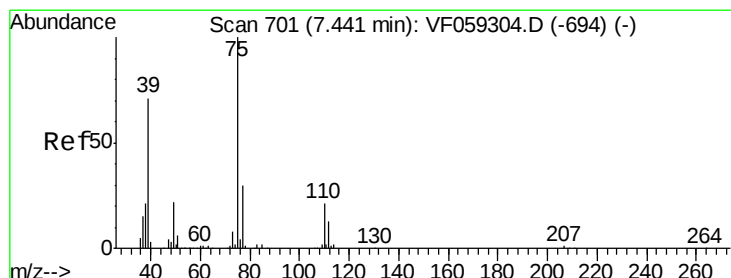
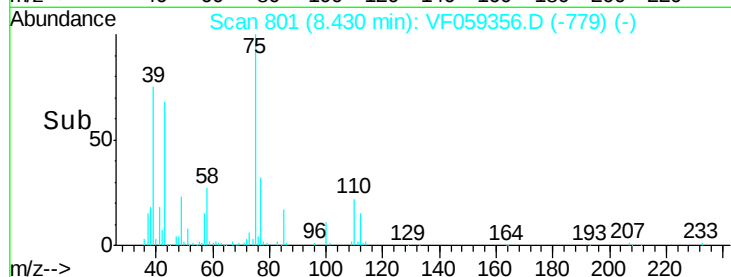
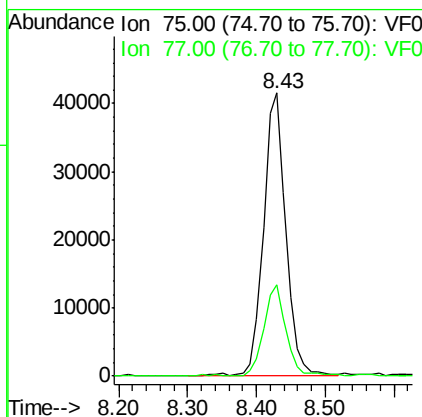
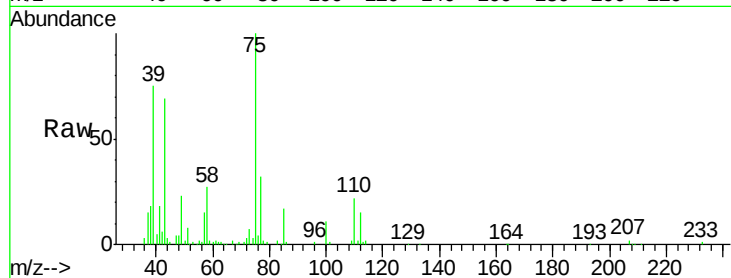
VF0628SBS01

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#54

cis-1,3-Dichloropropene

Concen: 19.61 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

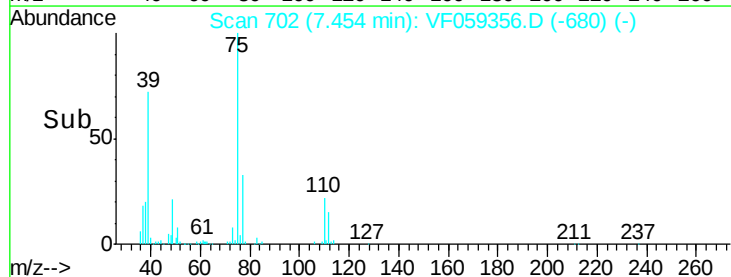
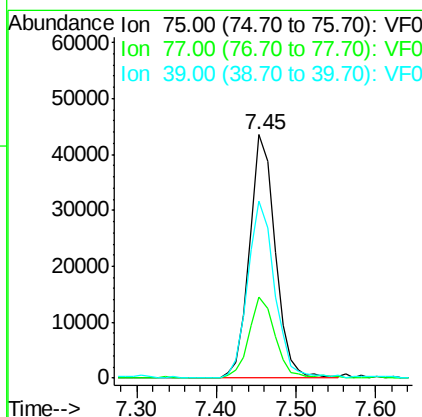
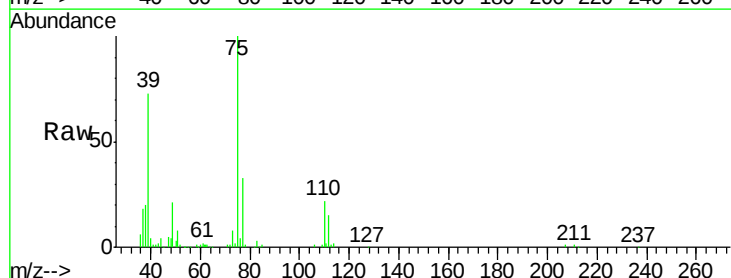
Tgt Ion: 75 Resp: 96476

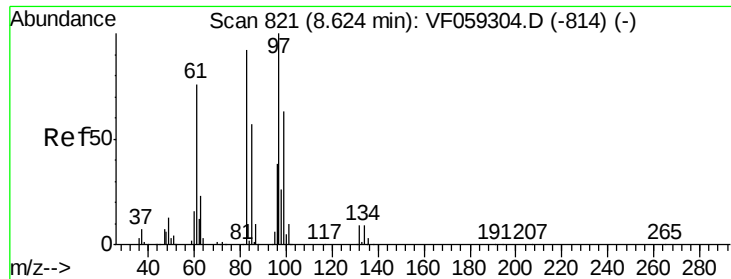
Ion Ratio Lower Upper

75 100

77 33.3 24.3 36.5

39 72.7 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.23 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

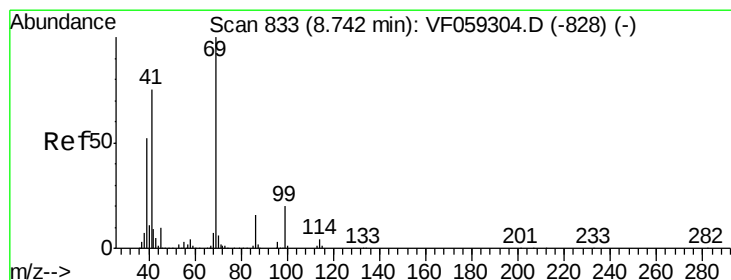
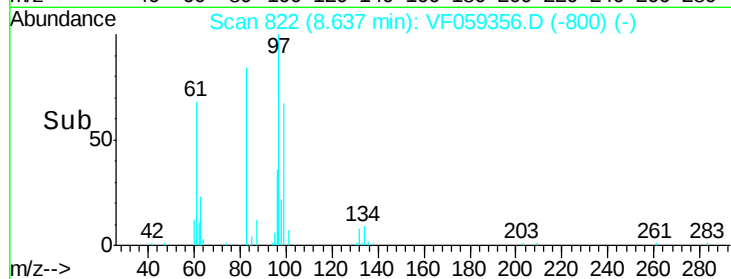
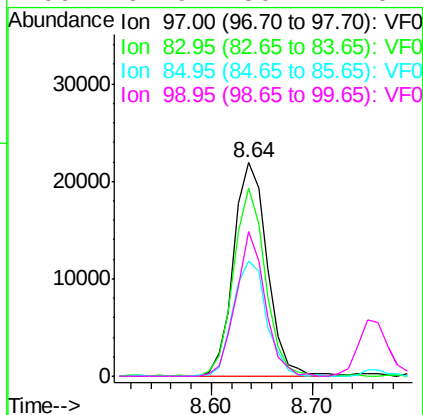
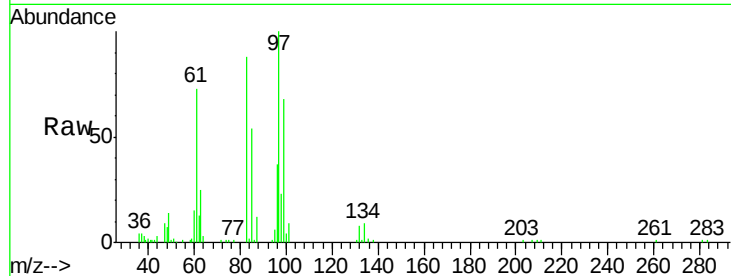
ClientSampleId :

VF0628SBS01

Tot Ion:	97	Resp:	51062
Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.8	110.8
85	53.9	45.5	68.3
99	67.9	50.7	76.1

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#56

Ethyl methacrylate

Concen: 18.98 ug/l

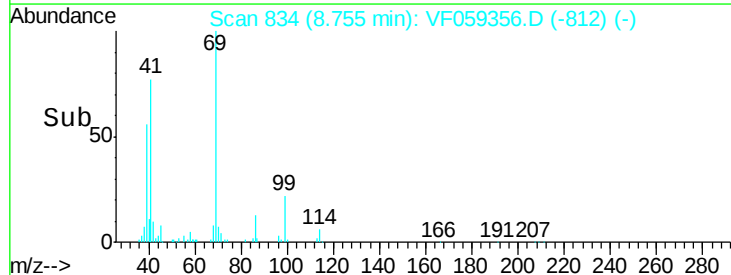
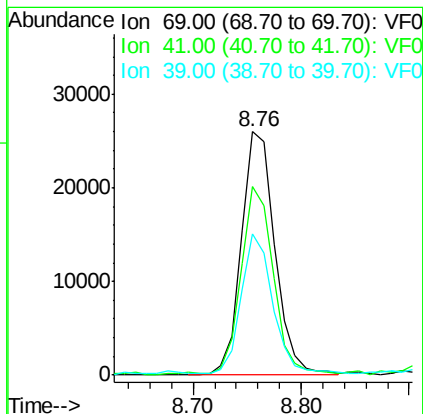
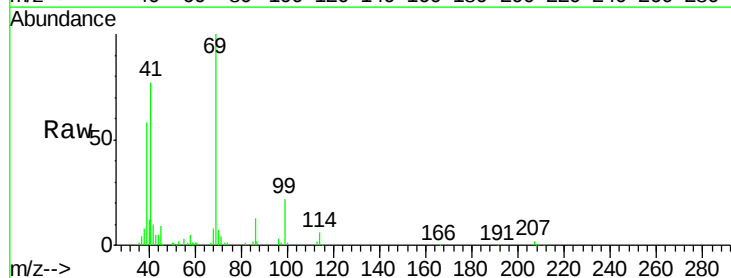
RT: 8.76 min Scan# 834

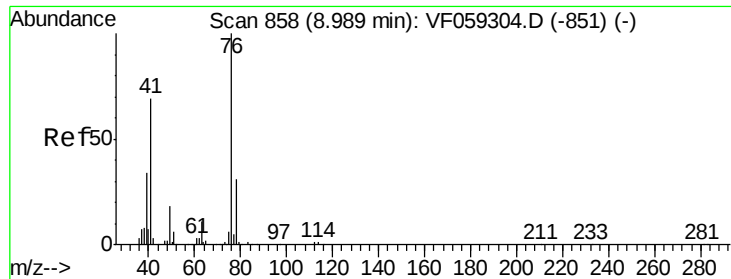
Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	69	Resp:	56548
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.3	90.5
39	58.0	42.2	63.4





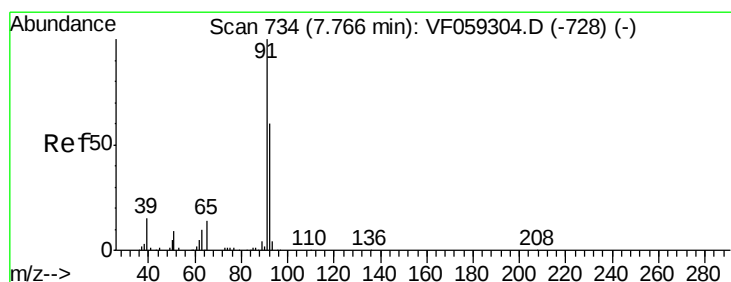
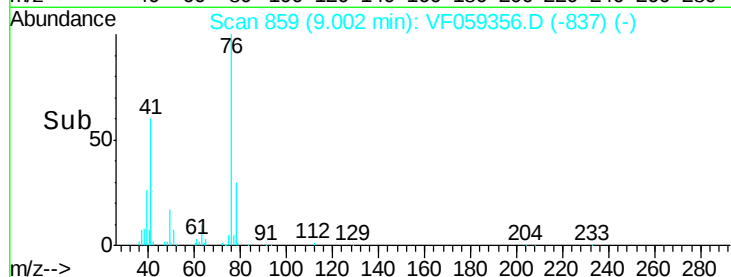
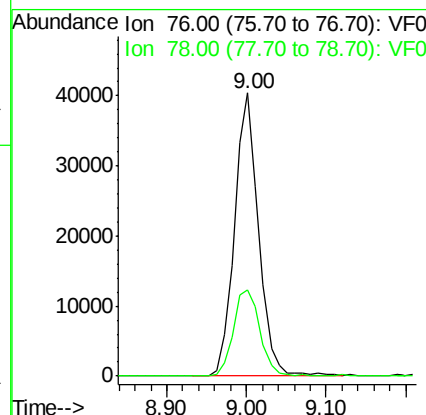
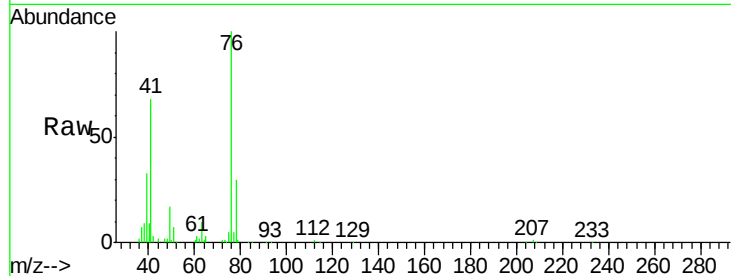
#57
 1,3-Dichloropropane
 Concen: 20.68 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.4	24.9	37.3

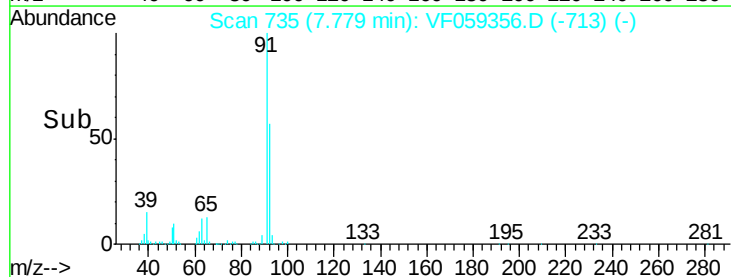
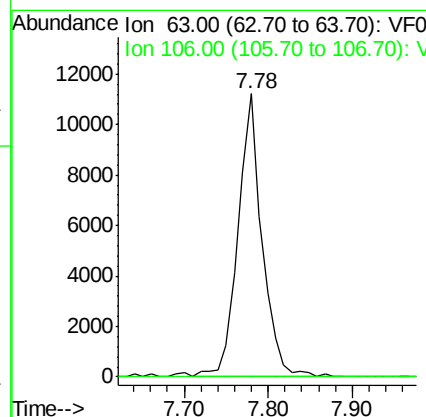
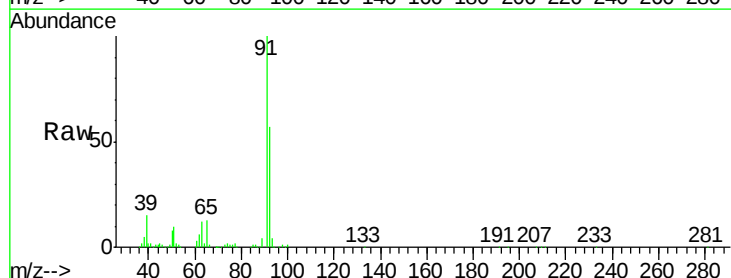
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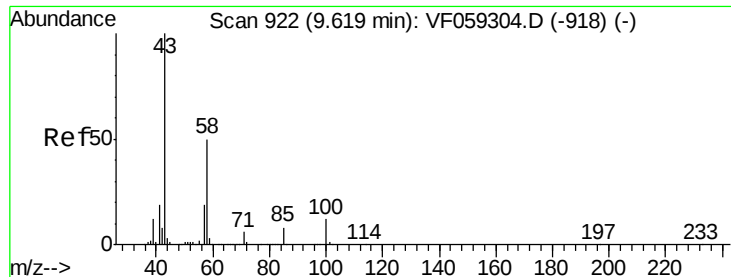
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.06 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





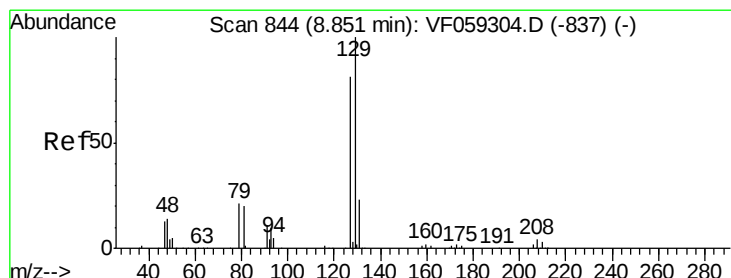
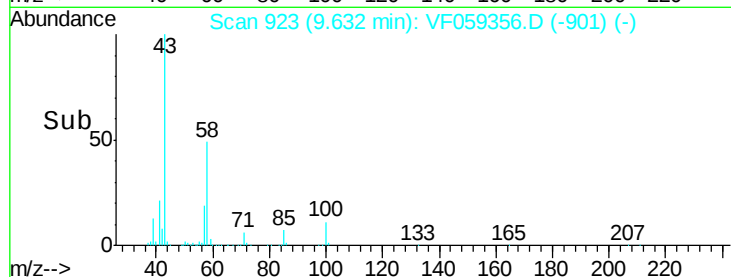
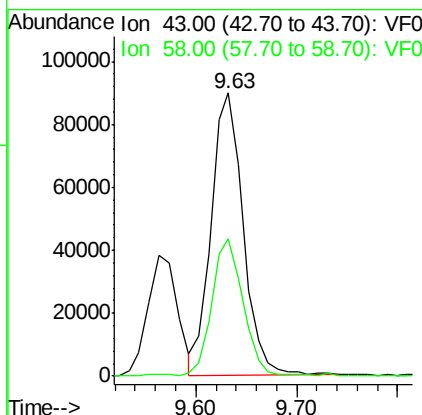
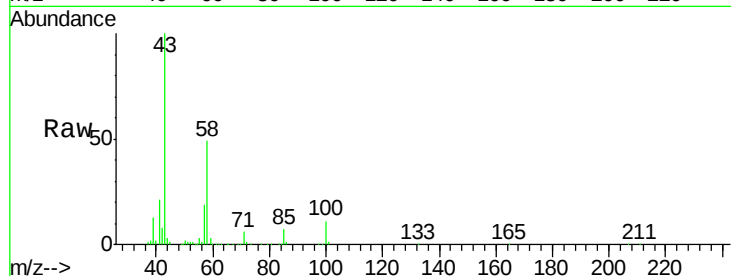
#59
2-Hexanone
Concen: 104.54 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	23.3	69.9

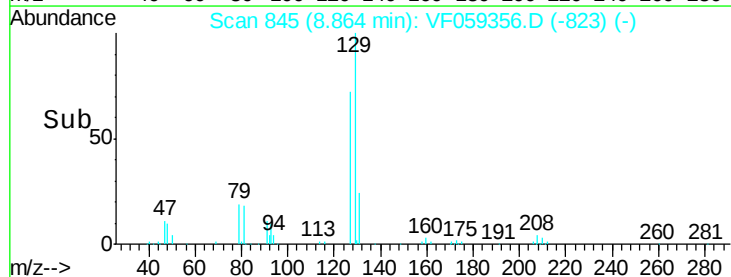
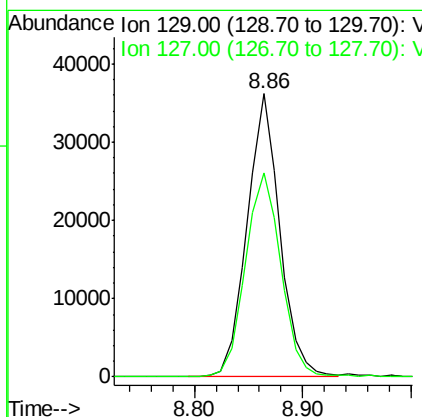
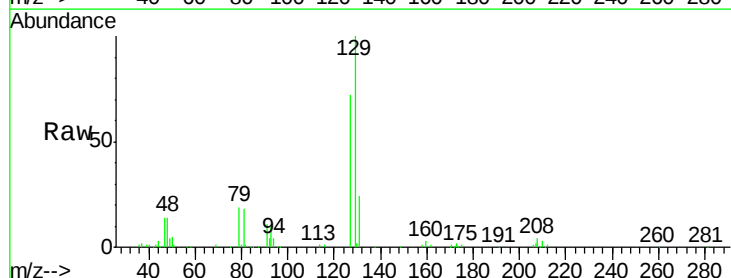
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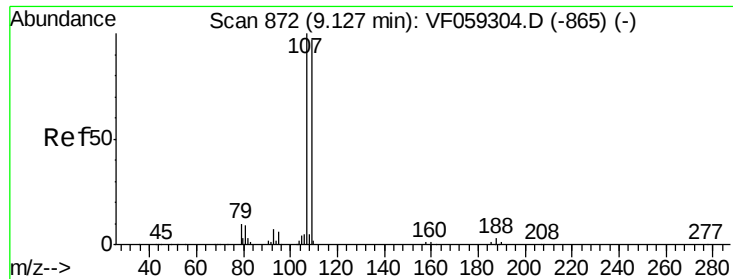
apatel
6/29/2018 11:27:13 AM



#60
Dibromochloromethane
Concen: 20.46 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.9	40.7	122.1





#61

1,2-Dibromoethane

Concen: 20.12 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:107 Resp: 58673

Ion Ratio Lower Upper

107 100

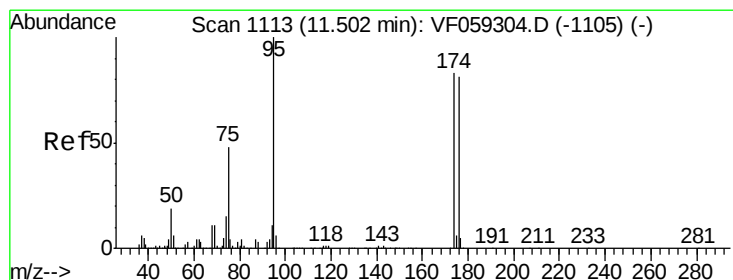
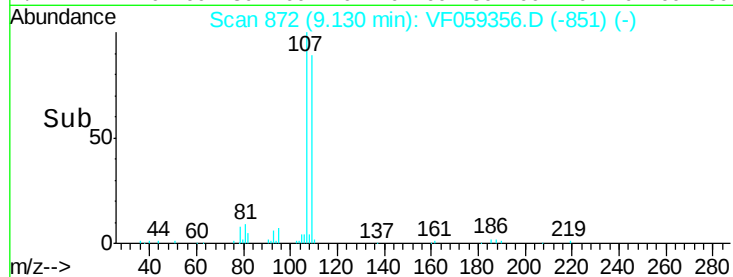
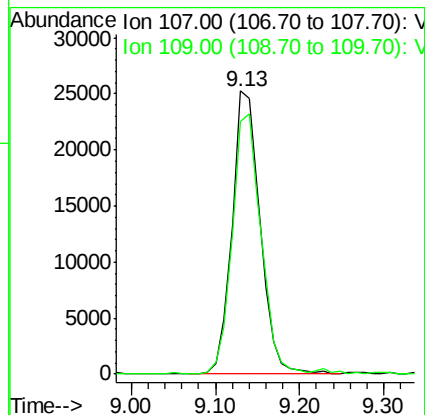
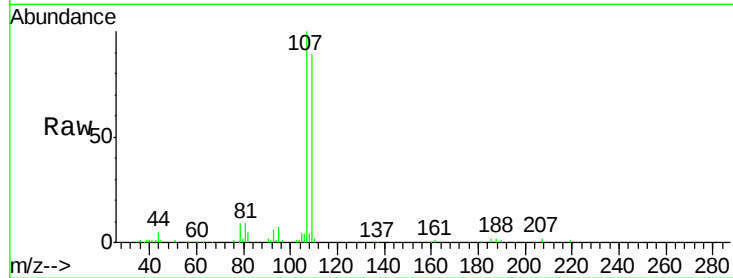
109 89.3 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 47.40 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

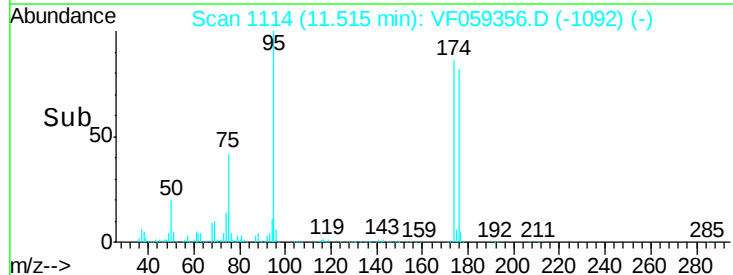
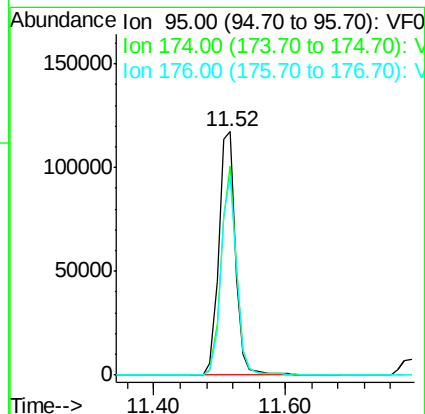
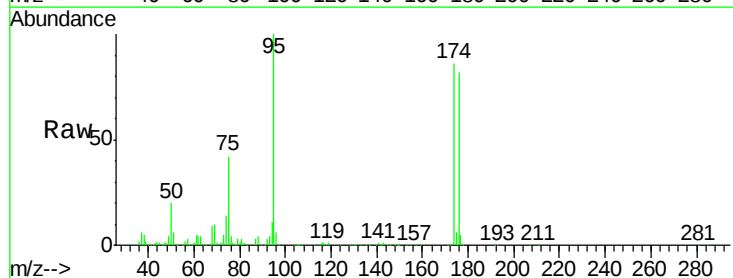
Tgt Ion: 95 Resp: 206720

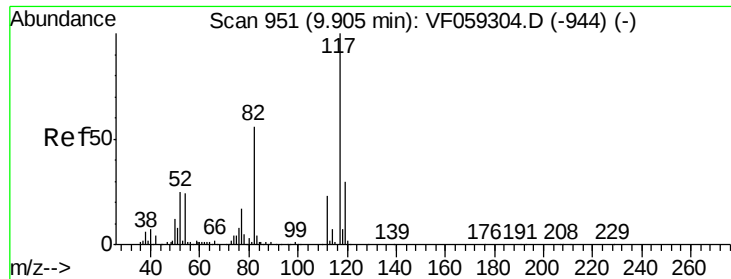
Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.2

176 81.7 0.0 161.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

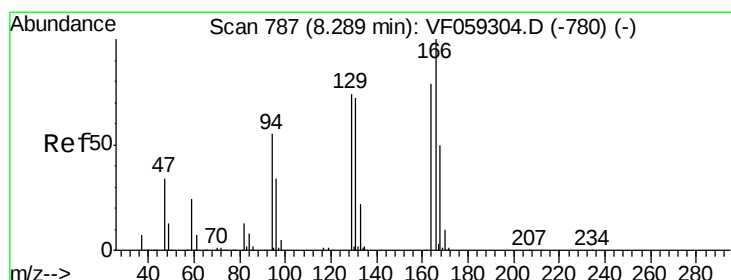
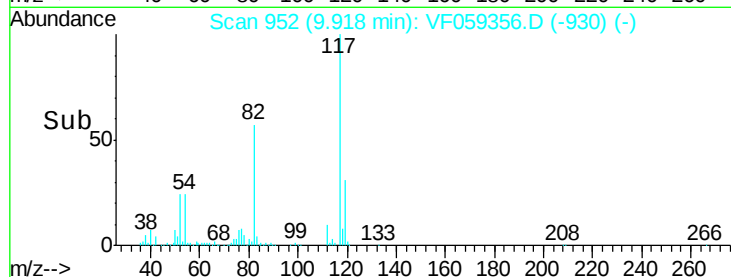
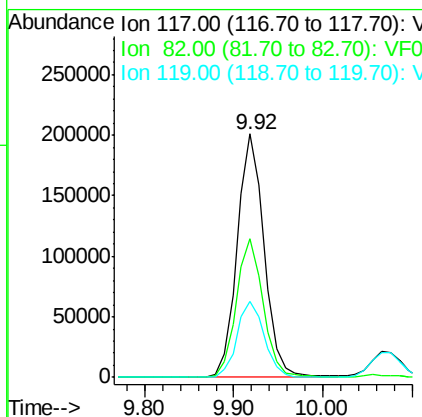
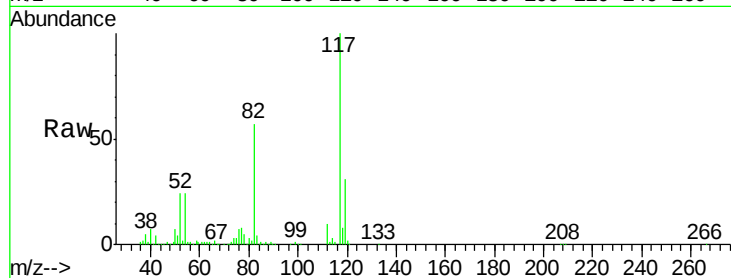
ClientSampleID :

VF0628SBS01

Tot Ion:	117	Resp:	422680
Ion Ratio	Lower	Upper	
117	100		
82	56.8	44.6	66.8
119	31.1	24.1	36.1

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#64

Tetrachloroethene

Concen: 21.69 ug/l

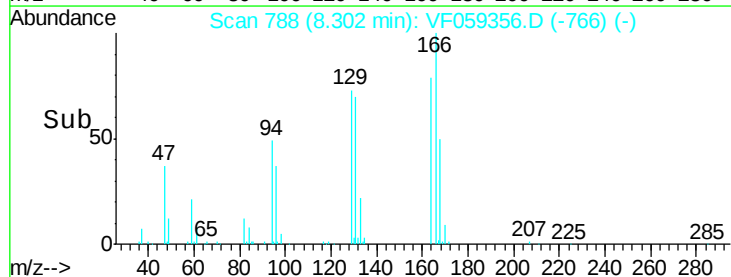
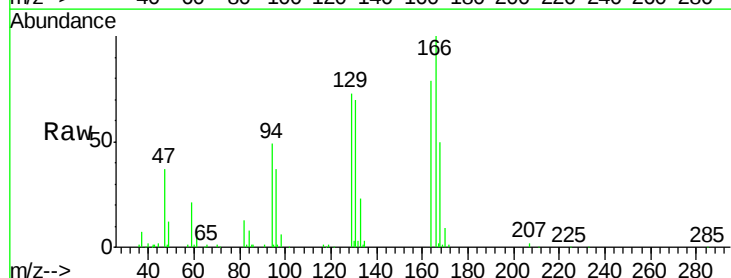
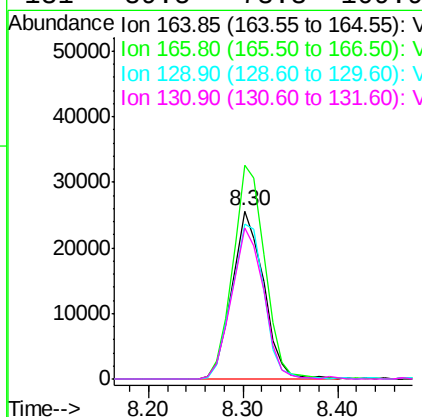
RT: 8.30 min Scan# 788

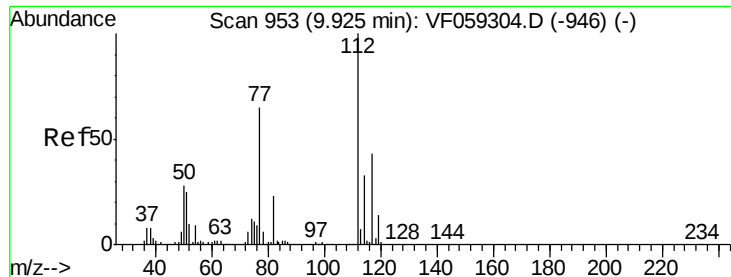
Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	164	Resp:	59453
Ion Ratio	Lower	Upper	
164	100		
166	127.0	101.1	151.7
129	92.5	75.0	112.4
131	89.5	73.3	109.9





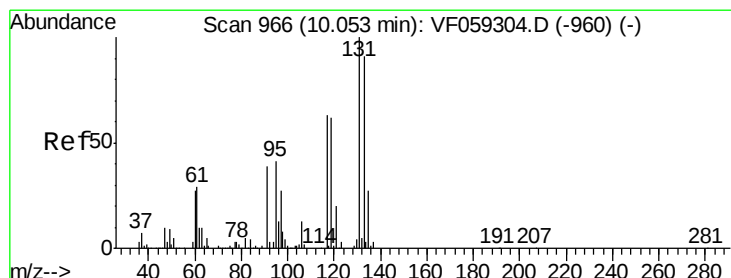
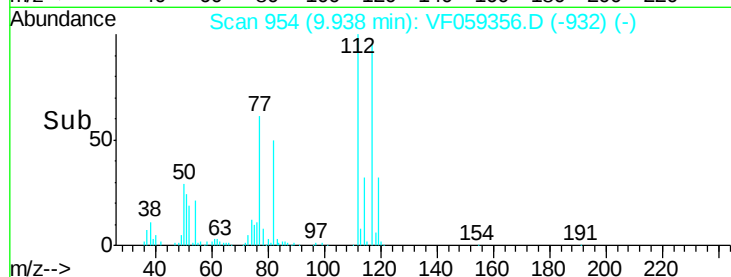
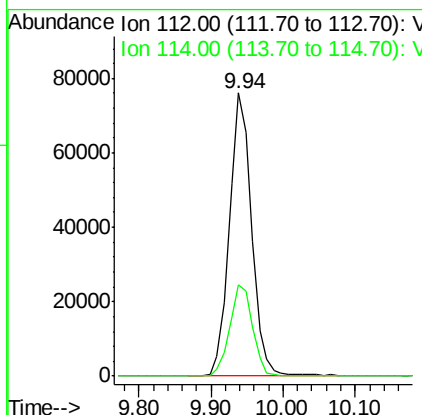
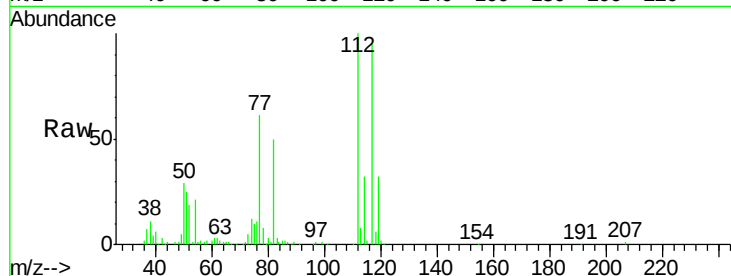
#65
Chlorobenzene
Concen: 21.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

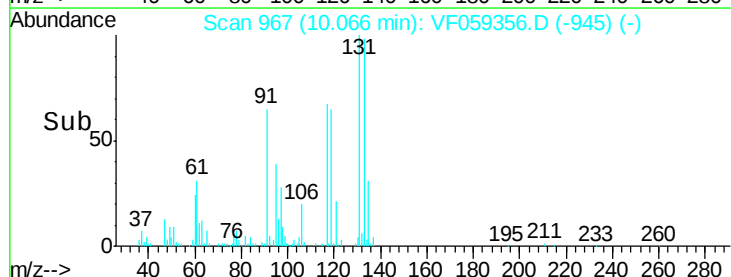
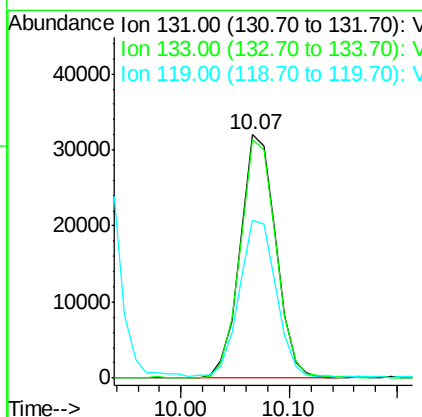
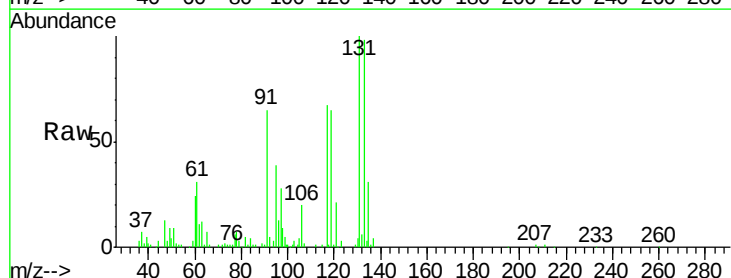
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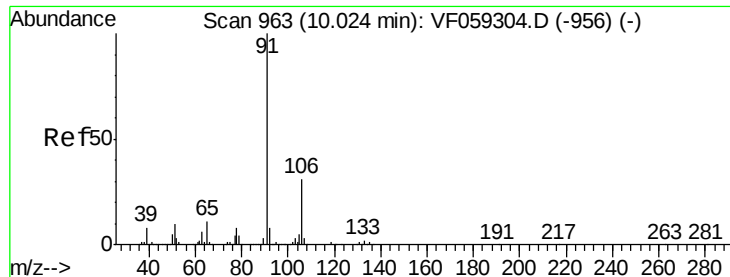
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.67 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.2	45.3	135.9
119	64.6	31.3	93.9





#67

Ethyl Benzene

Concen: 21.61 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 91 Resp: 287198

Ion Ratio Lower Upper

91 100

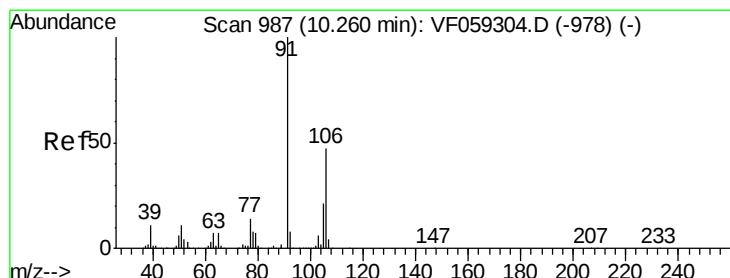
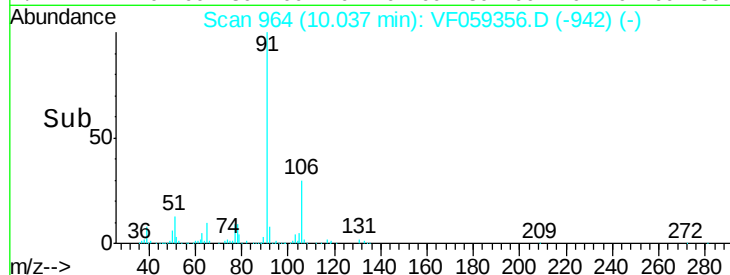
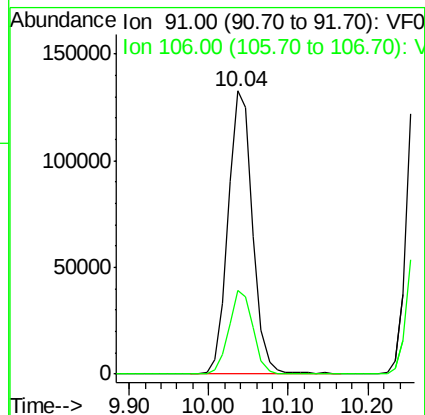
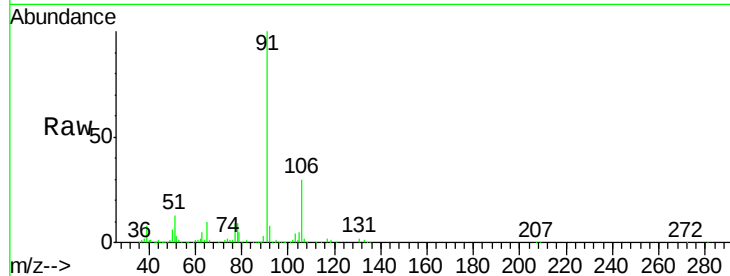
106 29.7 24.8 37.2

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#68

m/p-Xylenes

Concen: 43.92 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059356.D

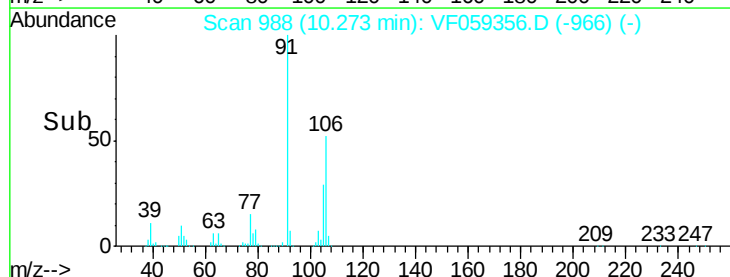
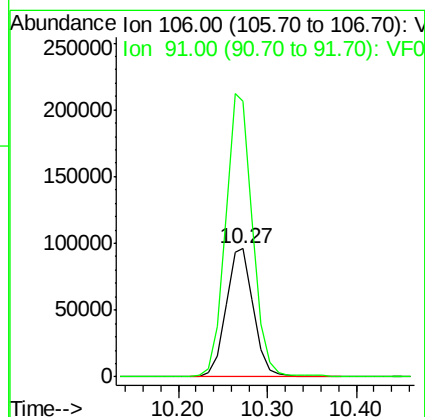
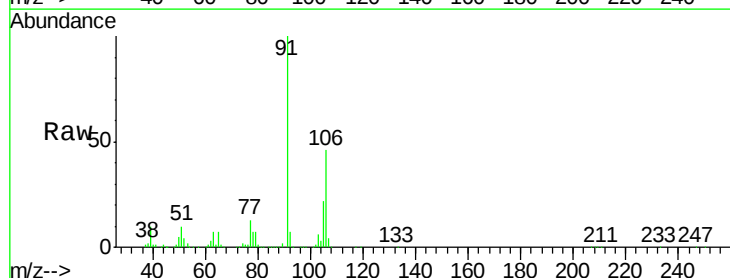
Acq: 28 Jun 2018 13:14

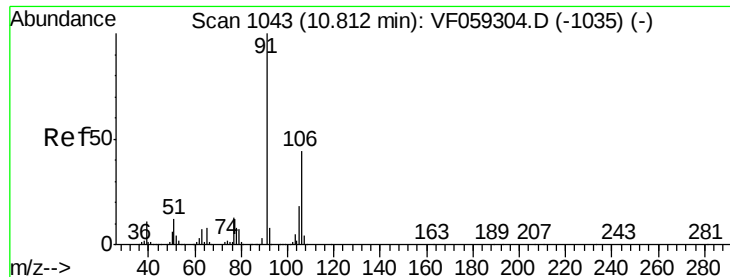
Tgt Ion: 106 Resp: 207704

Ion Ratio Lower Upper

106 100

91 215.1 170.8 256.2





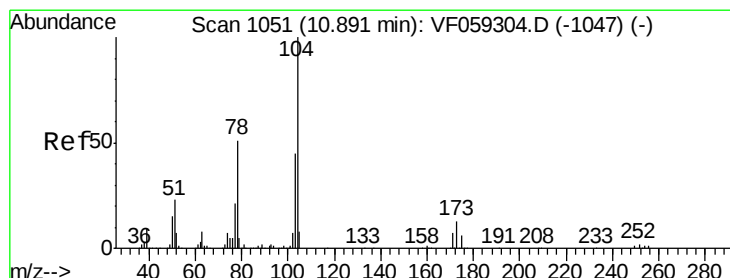
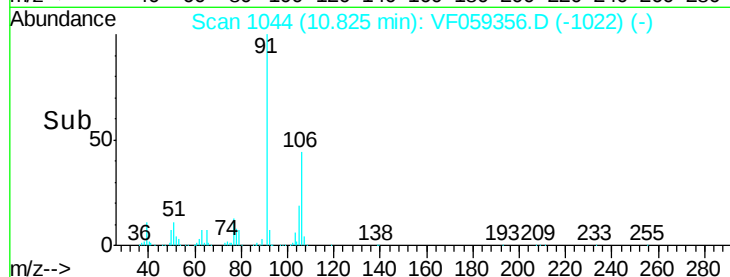
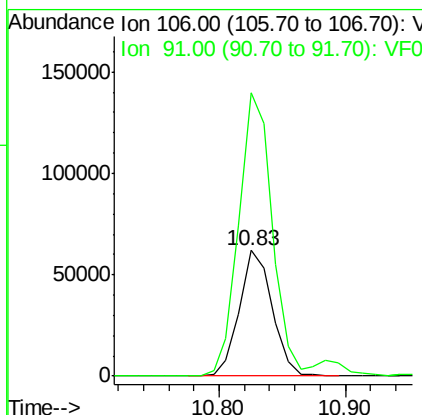
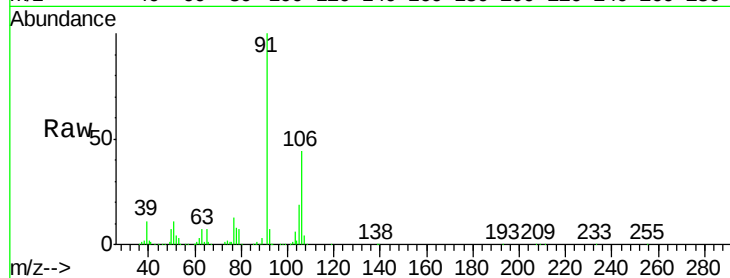
#69
o-Xylene
Concen: 21.23 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	112315		
91	91	225.8	114.6	343.6	

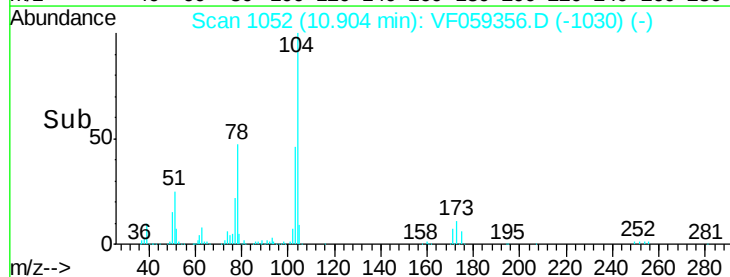
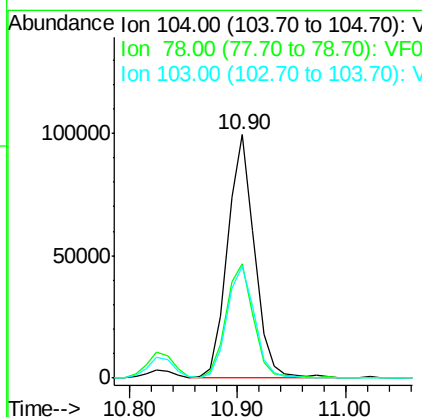
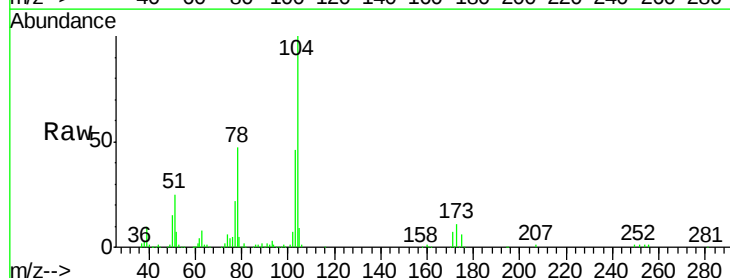
Manual Integrations
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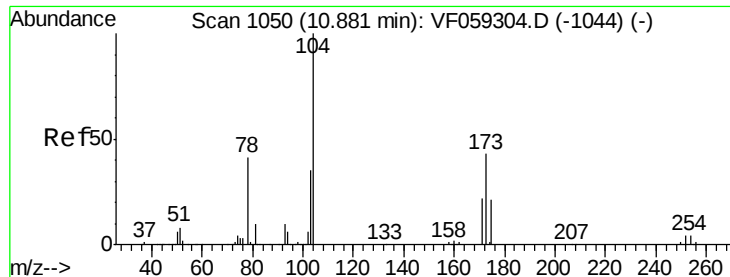
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#70
Styrene
Concen: 21.08 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	169823		
78	78	47.2	40.9	61.3	
103	103	46.0	36.5	54.7	





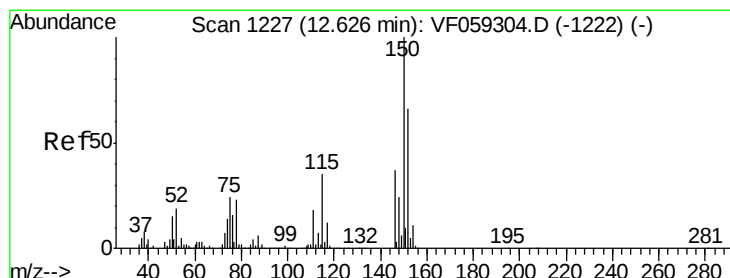
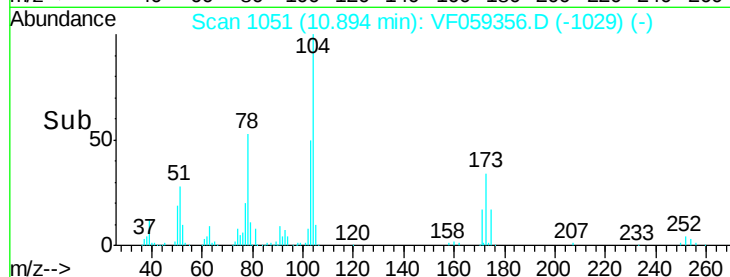
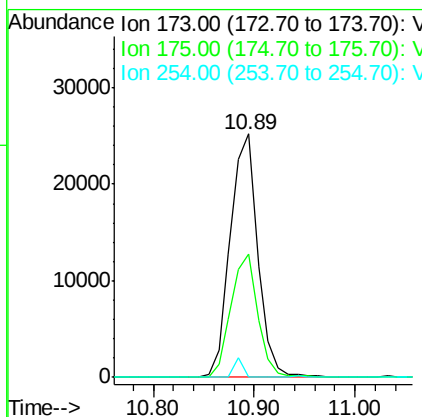
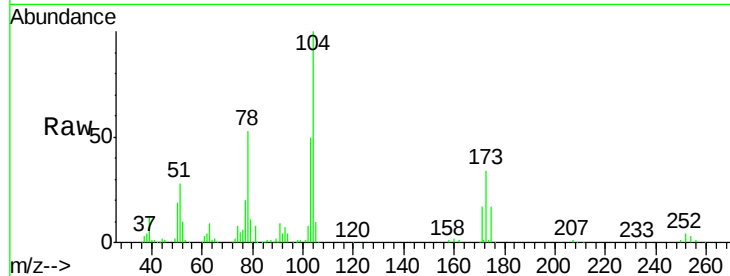
#71
Bromoform
Concen: 20.61 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	50.7	24.8	74.3		
254	0.0	0.0	0.0		

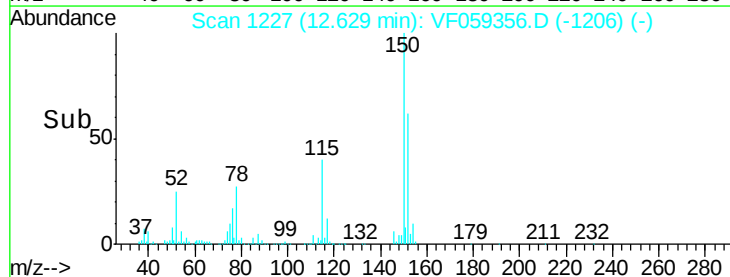
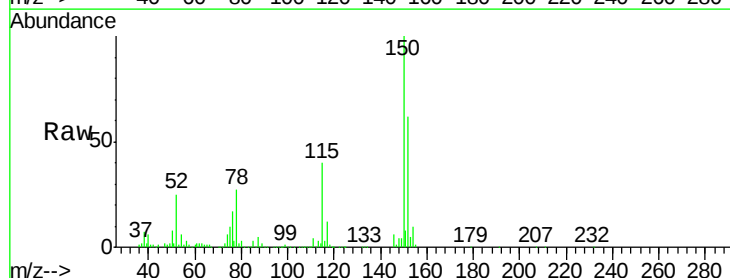
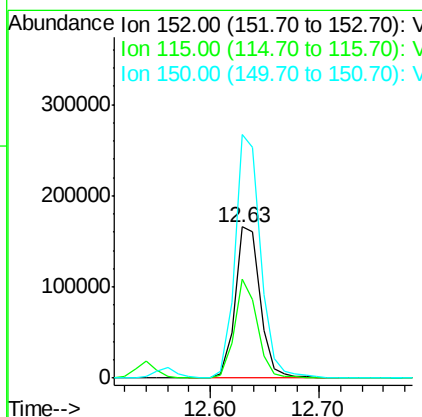
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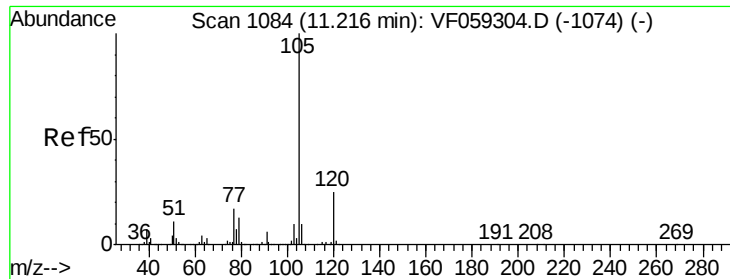
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	65.0	27.1	81.3		
150	160.9	0.0	305.2		





#73

Isopropylbenzene

Concen: 21.88 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 105 Resp: 341709

Ion Ratio Lower Upper

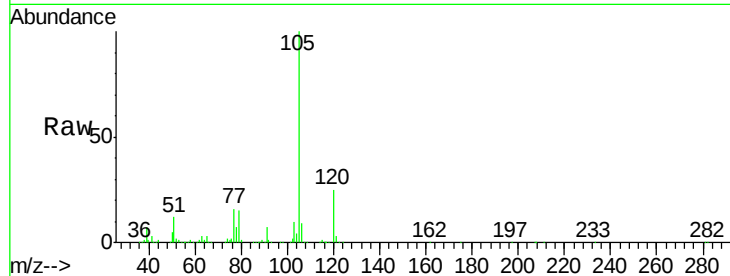
105 100

120 25.1 12.3 36.8

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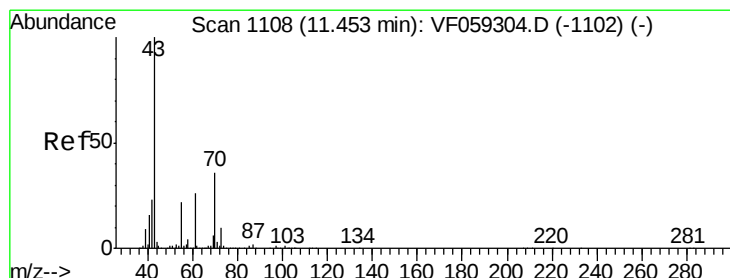
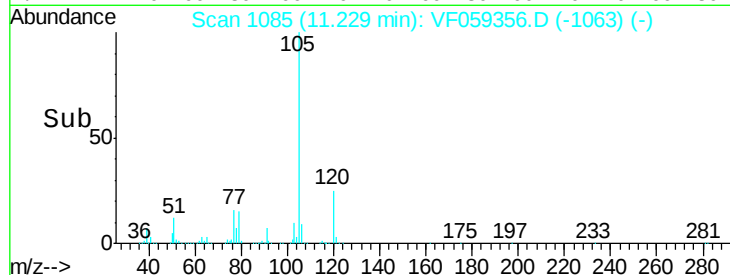
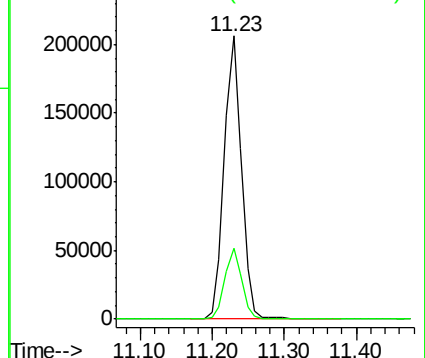
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.35 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion: 43 Resp: 115351

Ion Ratio Lower Upper

43 100

70 36.7 28.8 43.2

55 18.6 17.4 26.0

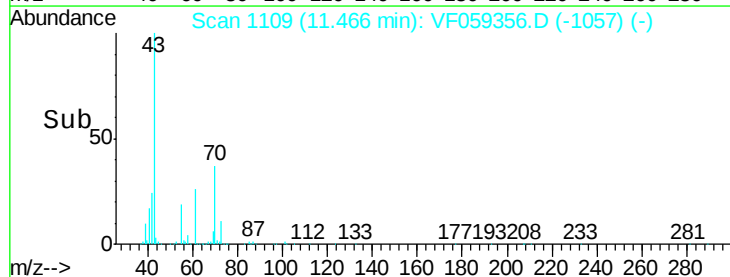
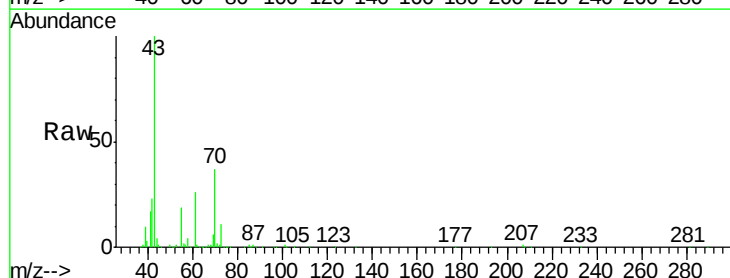
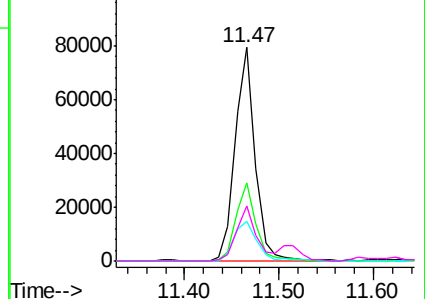
61 25.6 21.1 31.7

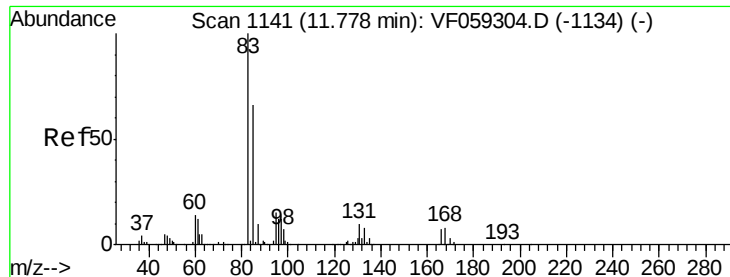
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.25 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

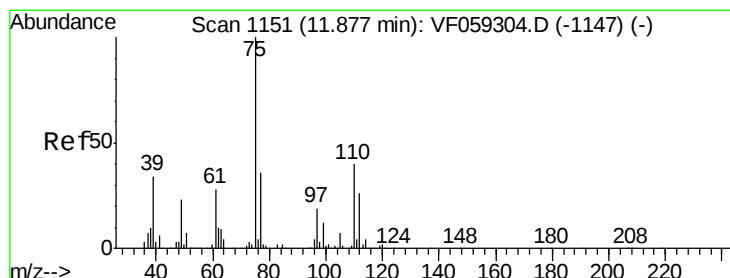
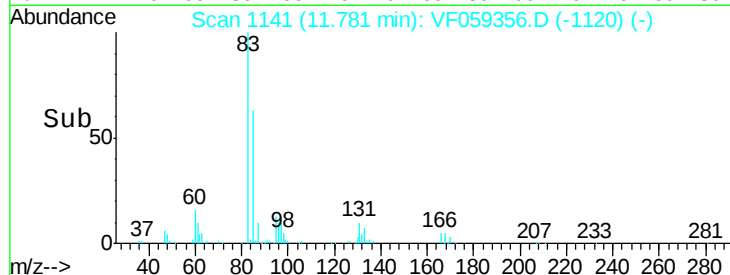
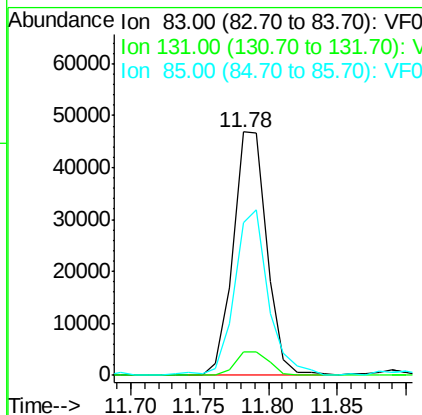
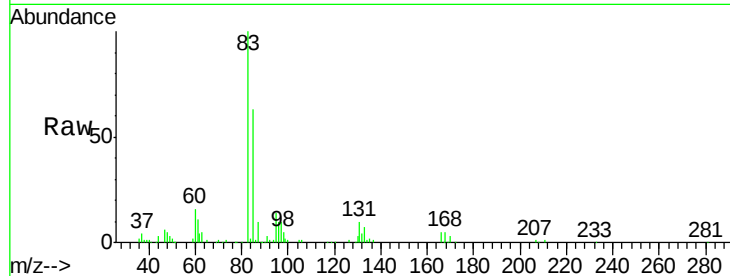
ClientSampleId :

VF0628SBS01

Tot Ion:	83	Resp:	79899
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	62.9	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 20.34 ug/l

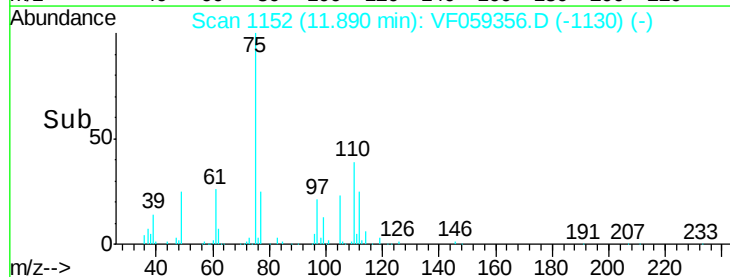
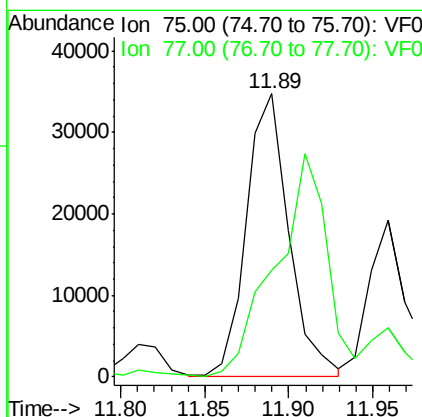
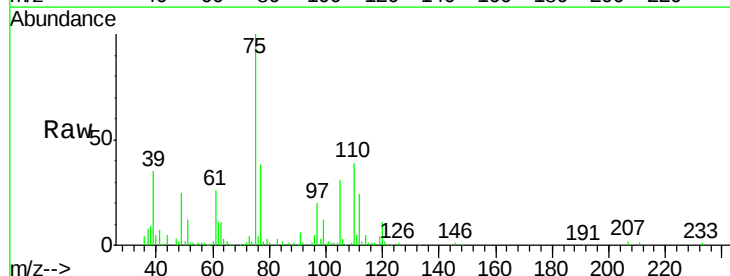
RT: 11.89 min Scan# 1152

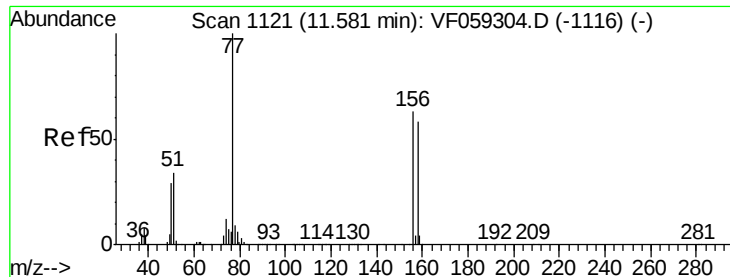
Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	75	Resp:	60528
Ion Ratio	Lower	Upper	
75	100		
77	37.6	18.0	54.0





#77

Bromobenzene

Concen: 20.47 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion:156 Resp: 88719

Ion Ratio Lower Upper

156 100

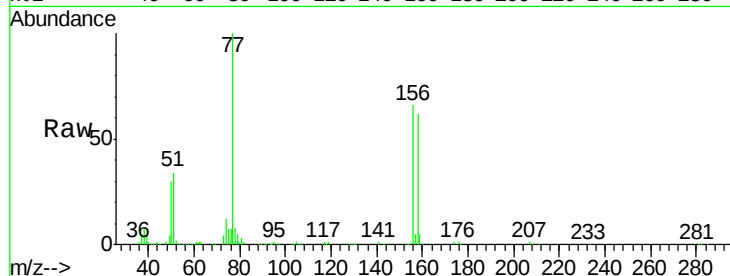
77 152.5 79.7 238.9

158 94.6 46.2 138.6

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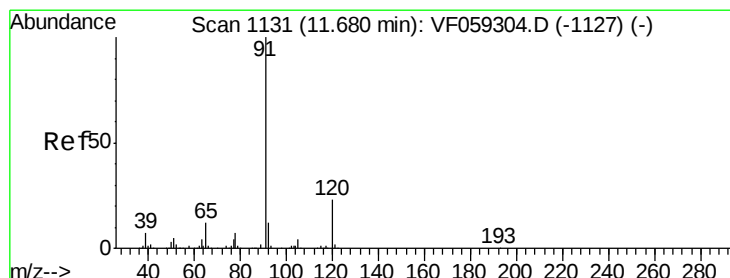
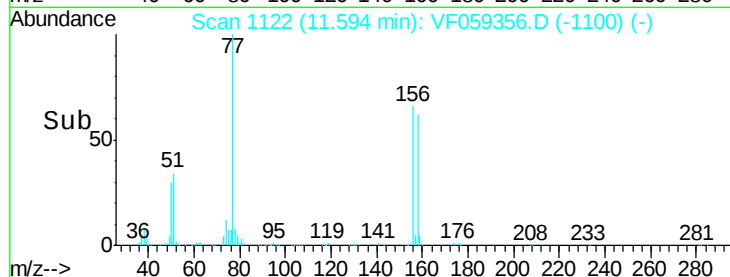
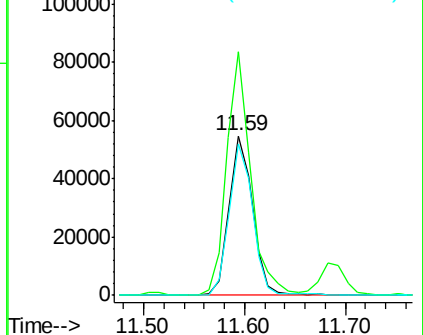
6/29/2018 11:27:13 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.04 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059356.D

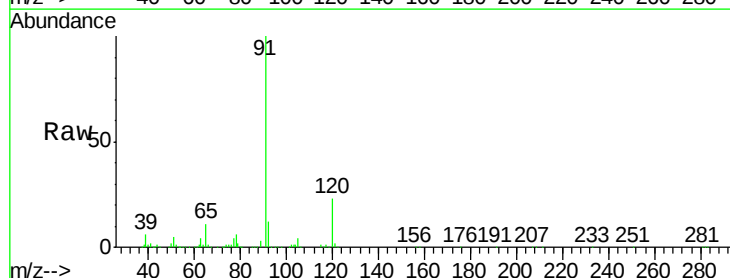
Acq: 28 Jun 2018 13:14

Tgt Ion: 91 Resp: 413400

Ion Ratio Lower Upper

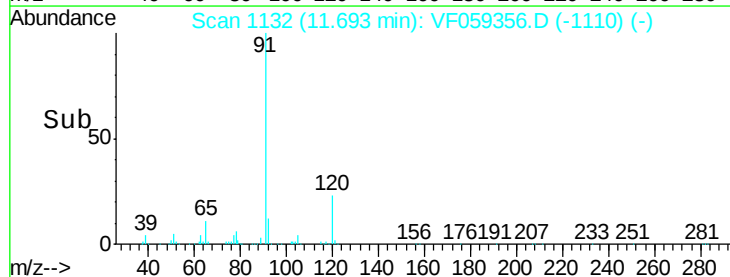
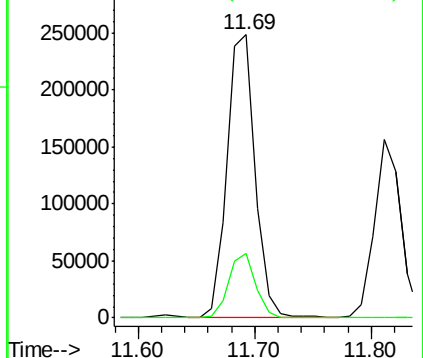
91 100

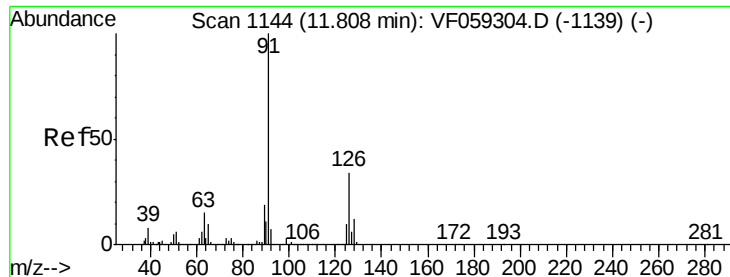
120 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 91 Resp: 244042

Ion Ratio Lower Upper

91 100

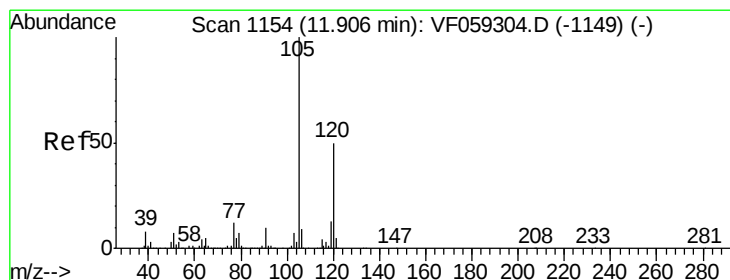
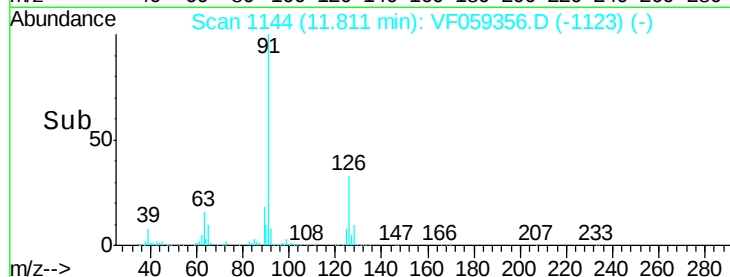
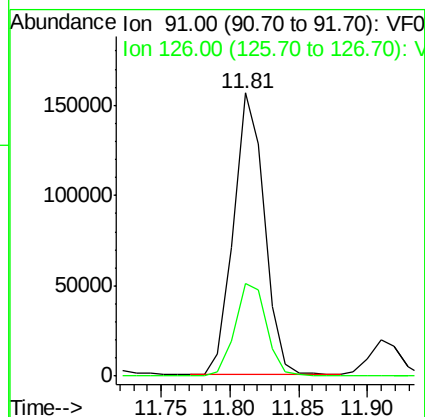
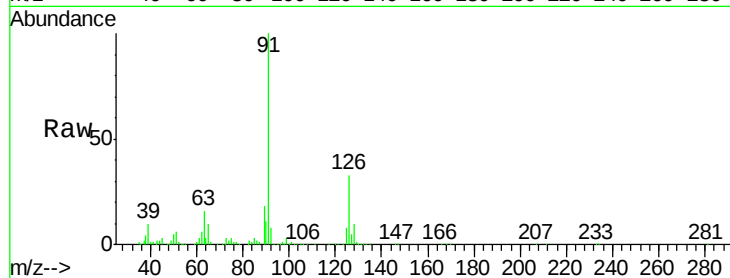
126 32.9 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.38 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059356.D

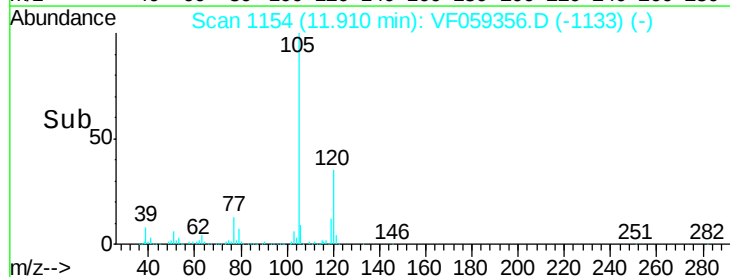
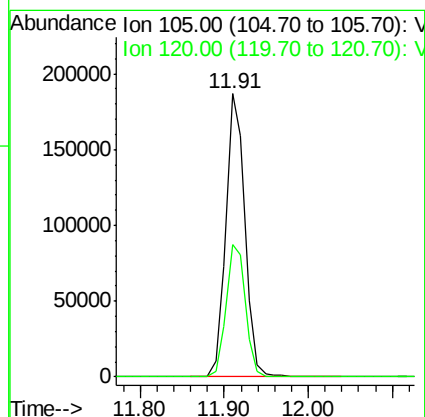
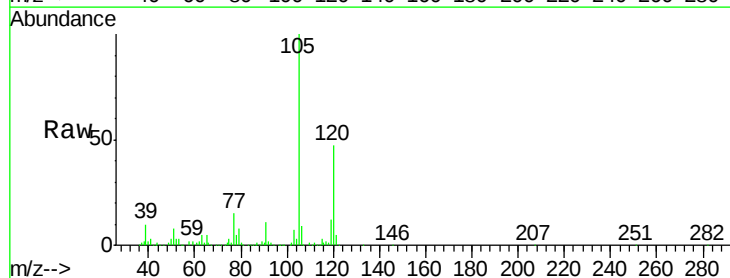
Acq: 28 Jun 2018 13:14

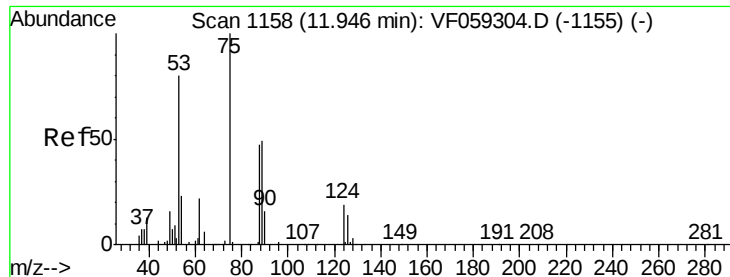
Tgt Ion: 105 Resp: 292558

Ion Ratio Lower Upper

105 100

120 46.8 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.14 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

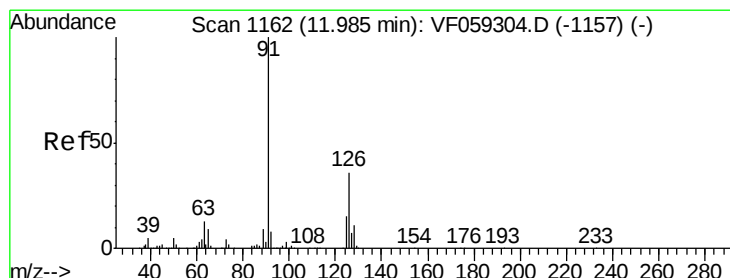
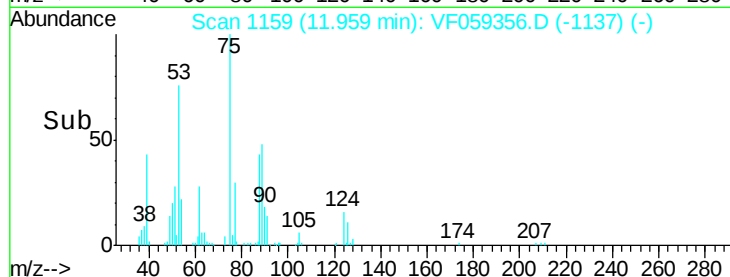
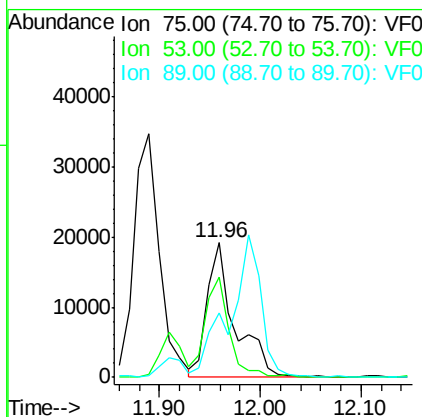
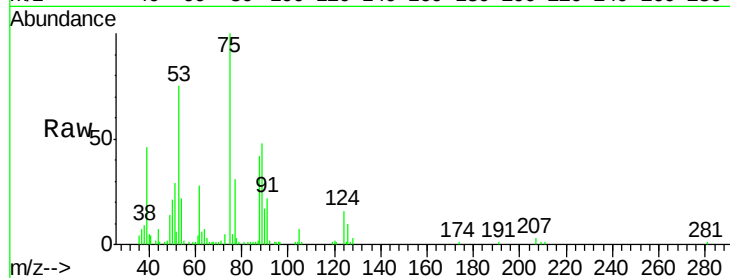
ClientSampleId :

VF0628SBS01

Tot Ion:	75	Resp:	37435
Ion Ratio	Lower	Upper	
75	100		
53	74.5	68.8	103.2
89	47.5	42.0	63.0

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#82

4-Chlorotoluene

Concen: 21.76 ug/l

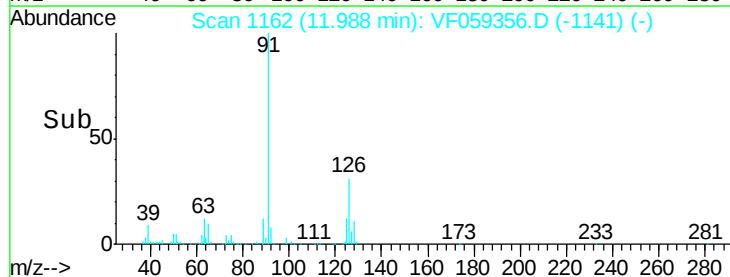
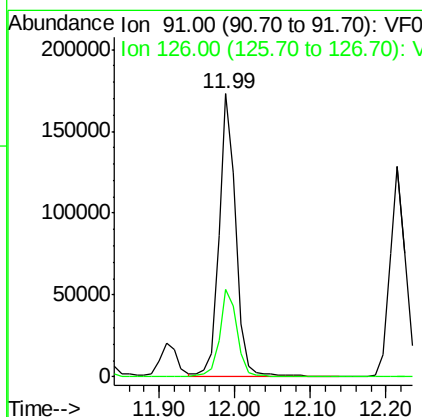
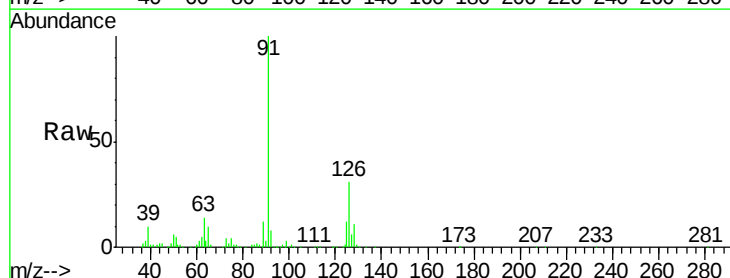
RT: 11.99 min Scan# 1162

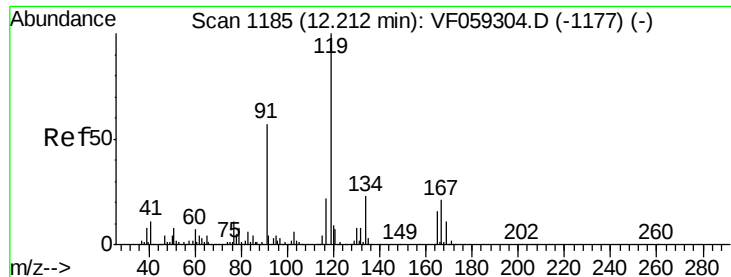
Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion:	91	Resp:	267126
Ion Ratio	Lower	Upper	
91	100		
126	30.8	18.2	54.6





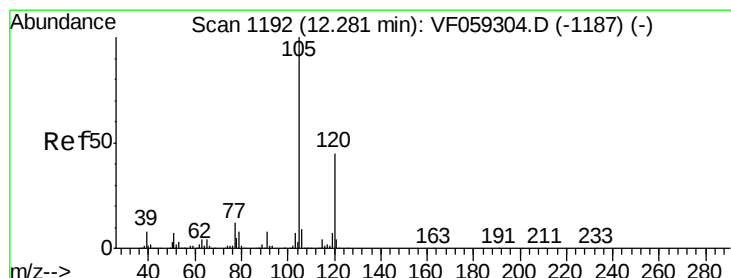
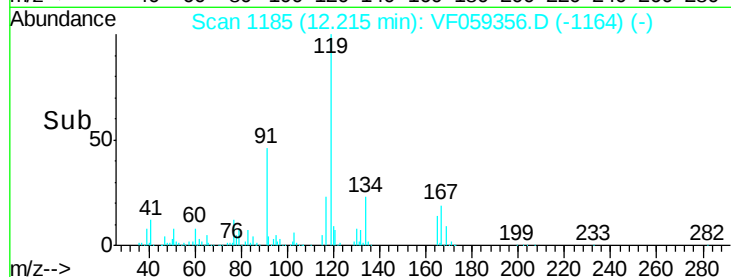
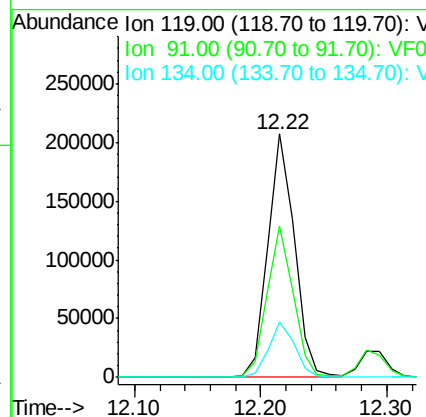
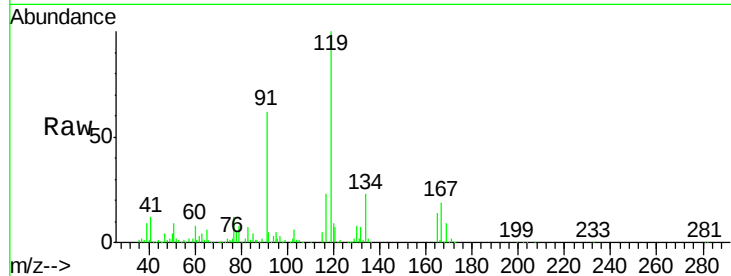
#83
 tert-Butylbenzene
 Concen: 22.36 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	28.4	85.2
134	22.9	11.7	35.1

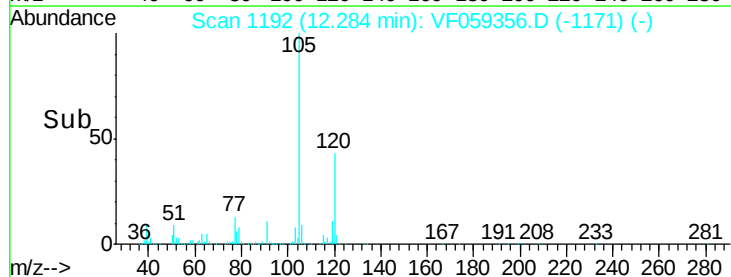
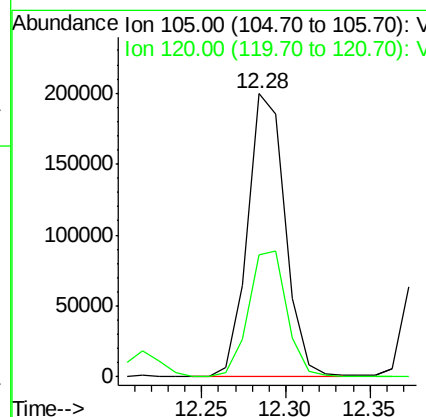
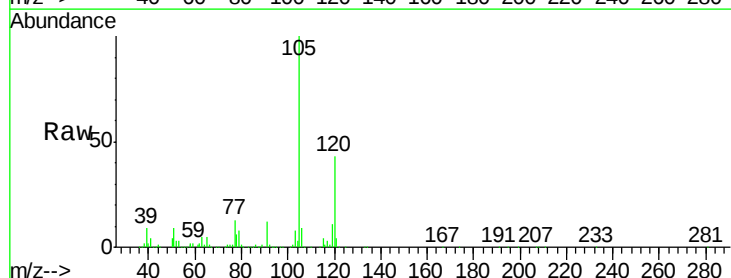
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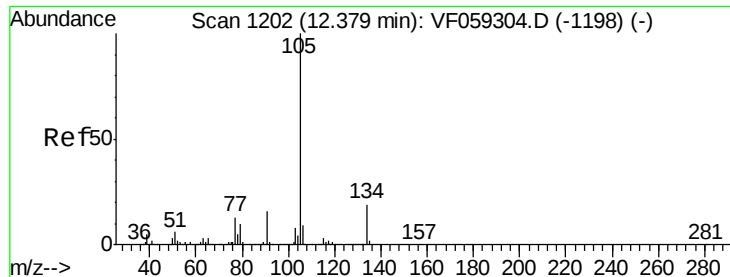
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.40 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.8	68.4





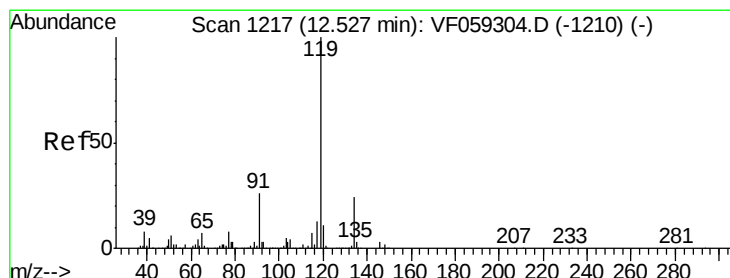
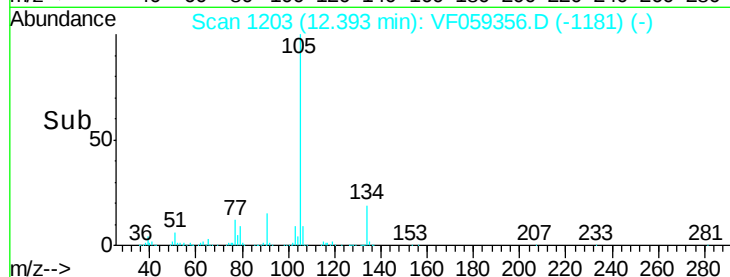
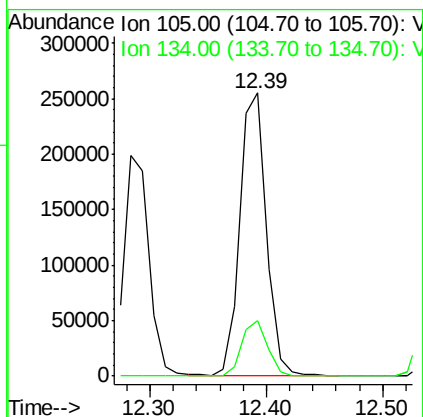
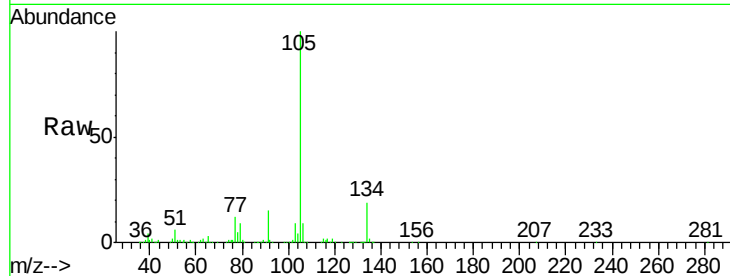
#85
 sec-Butylbenzene
 Concen: 22.17 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.4	28.3

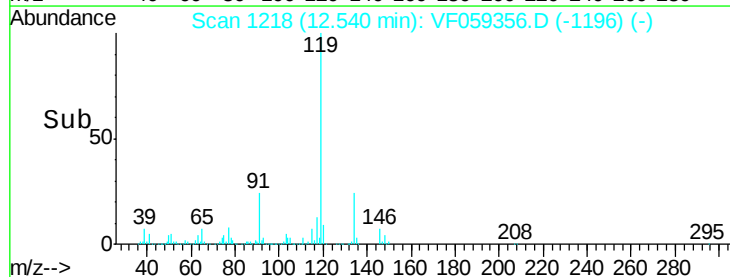
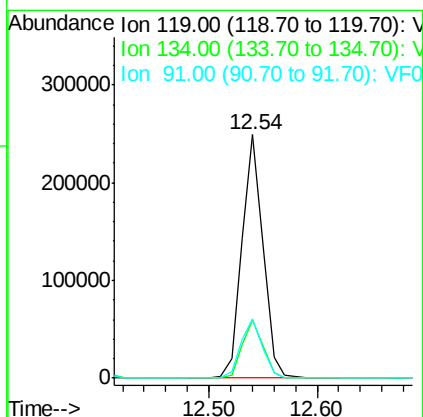
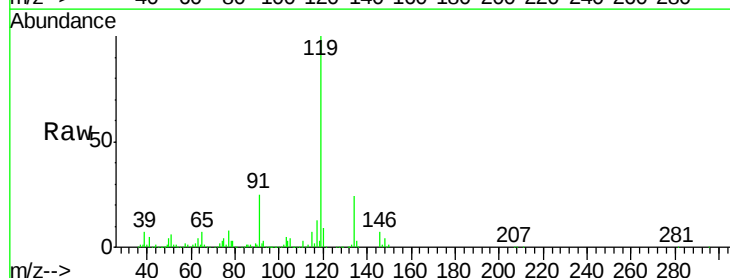
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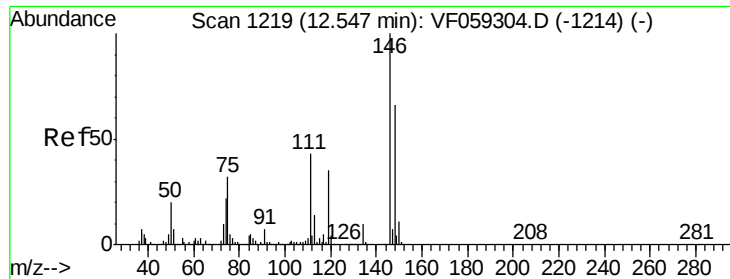
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#86
 p-Isopropyltoluene
 Concen: 22.14 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.7	12.2	36.4
91	24.5	12.9	38.6





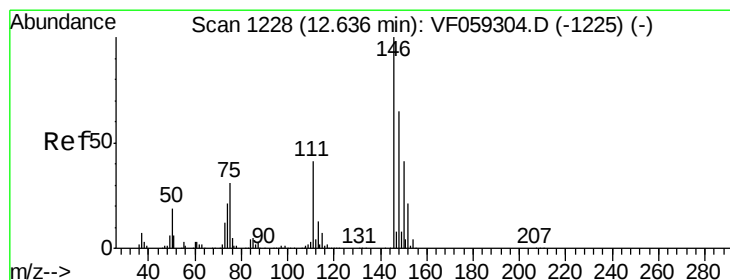
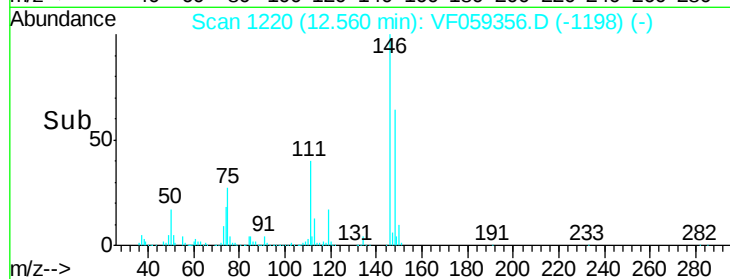
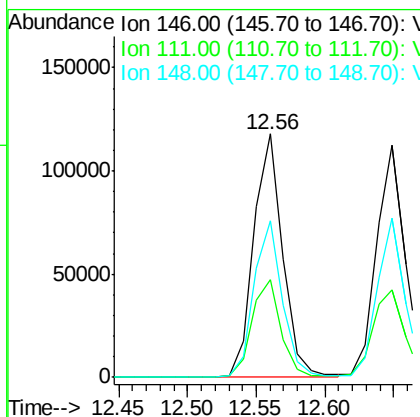
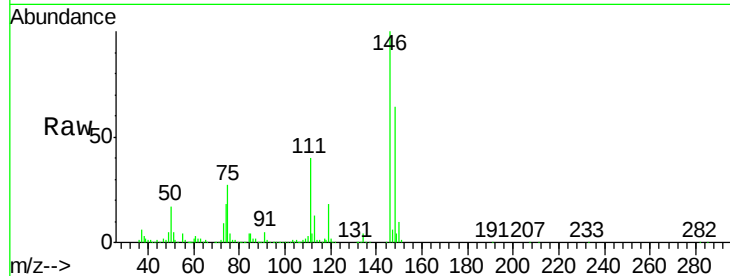
#87
 1,3-Dichlorobenzene
 Concen: 21.67 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.4	64.2
148	64.3	32.8	98.4

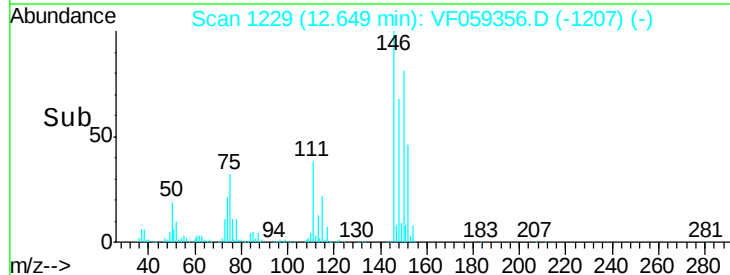
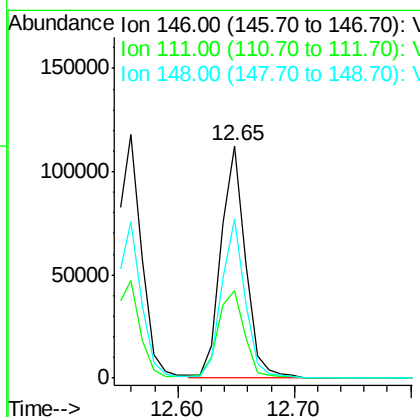
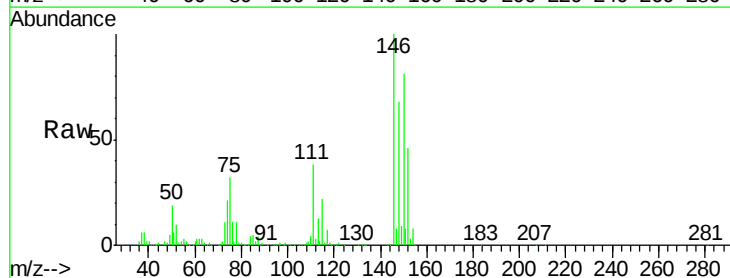
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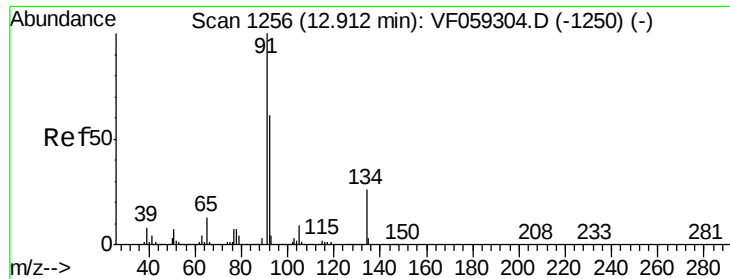
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#88
 1,4-Dichlorobenzene
 Concen: 21.10 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.7	62.1
148	68.1	32.8	98.3





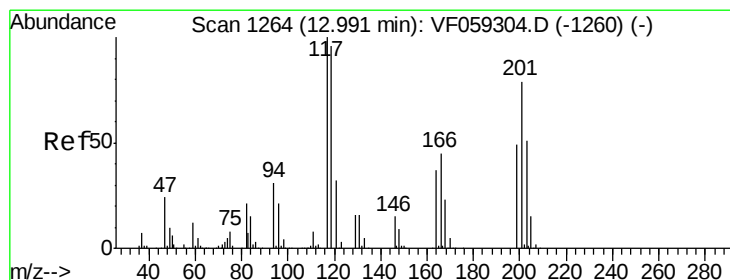
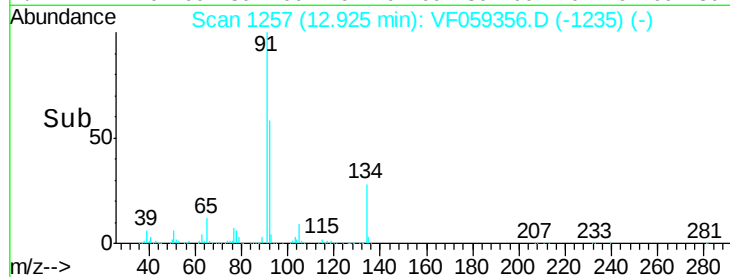
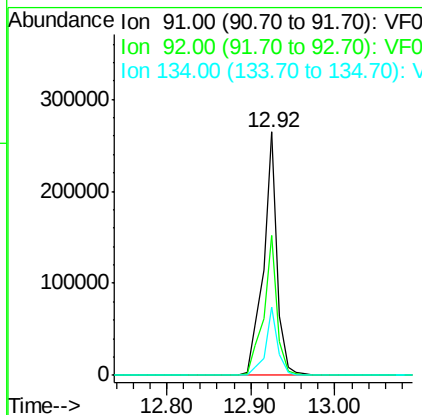
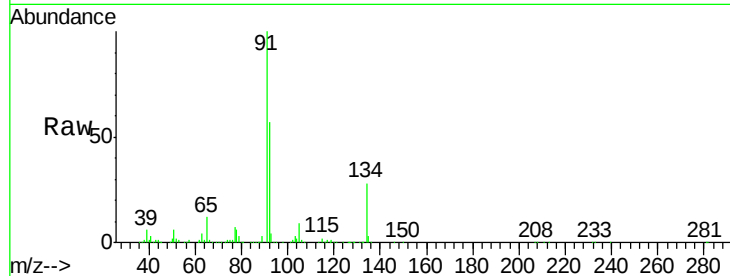
#89
n-Butylbenzene
Concen: 19.82 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	306248		
92	57.5	30.3	91.0	
134	27.9	12.9	38.7	

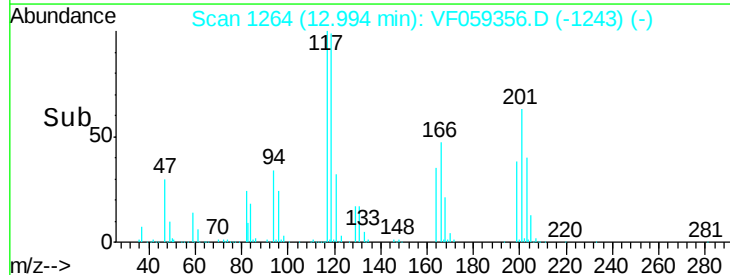
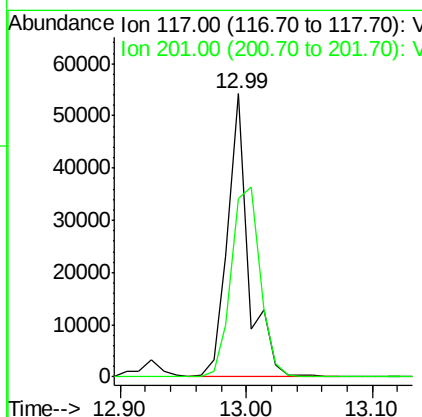
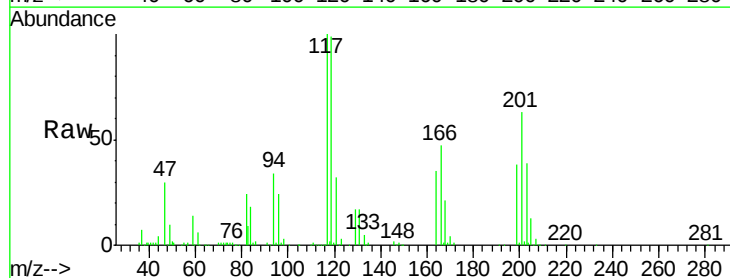
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#90
Hexachloroethane
Concen: 16.60 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62972		
201	63.1	39.5	118.5	





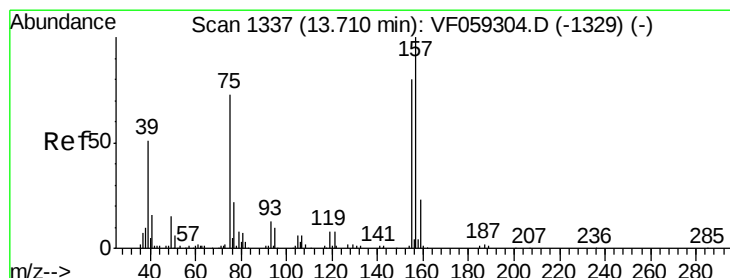
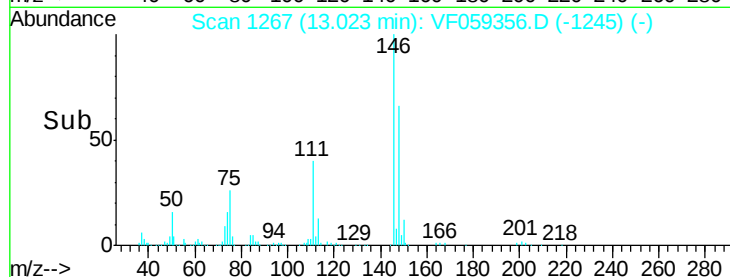
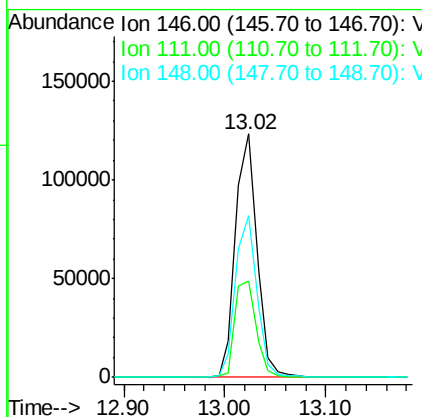
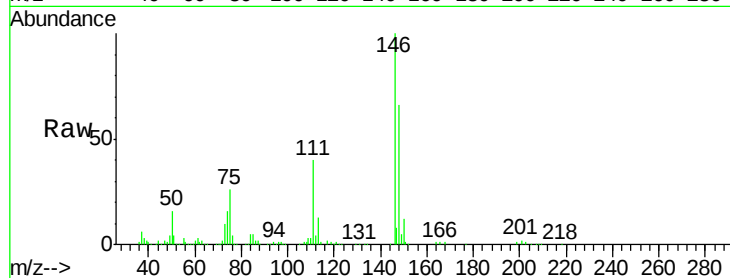
#91
 1,2-Dichlorobenzene
 Concen: 23.33 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	22.7	68.0
148	66.2	33.5	100.4

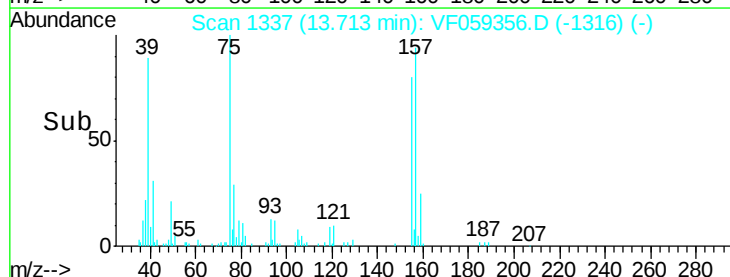
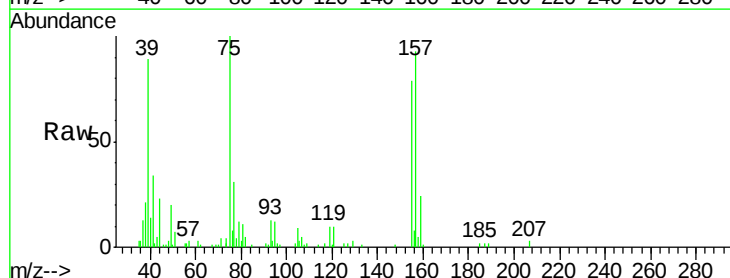
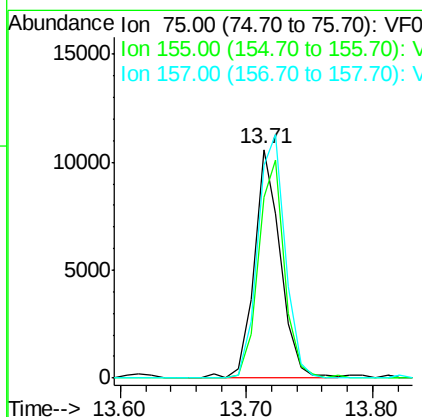
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.47 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	54.6	163.8
157	93.0	68.7	205.9





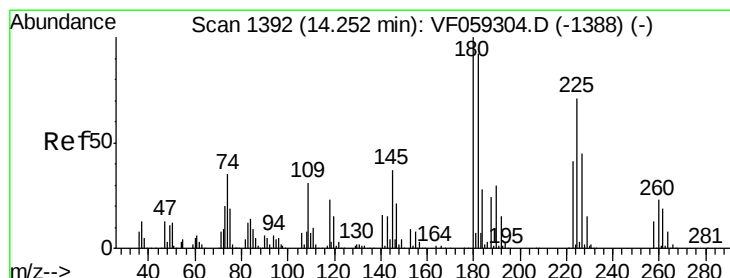
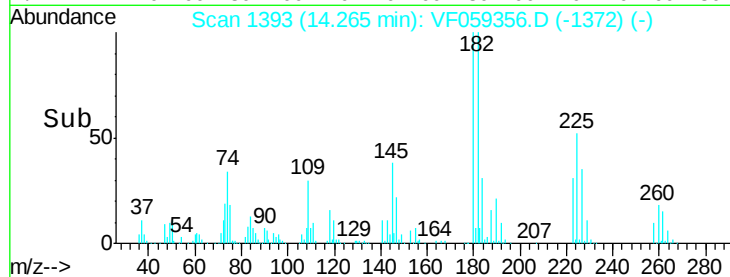
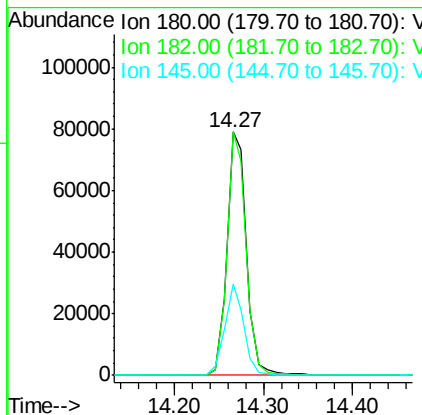
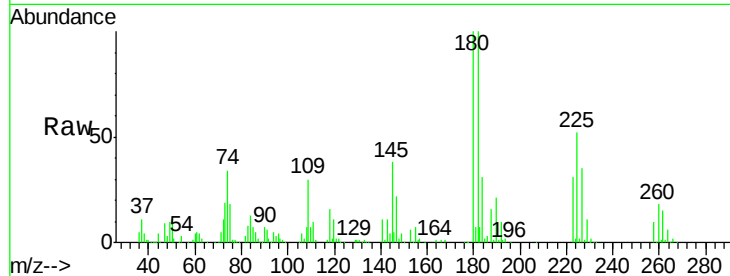
#93
 1,2,4-Trichlorobenzene
 Concen: 21.22 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123429		
182	100.0	48.1	144.3	
145	37.7	15.3	45.8	

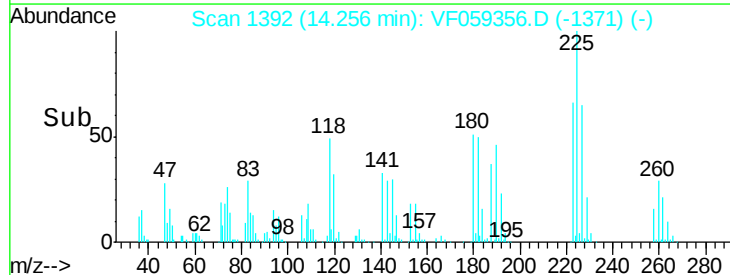
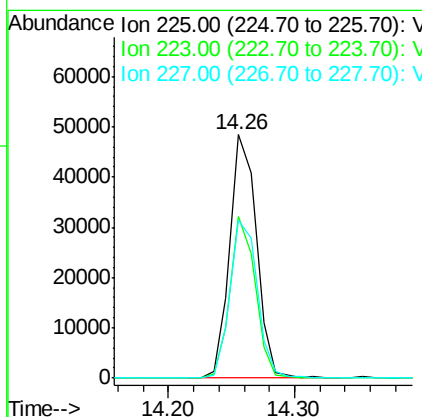
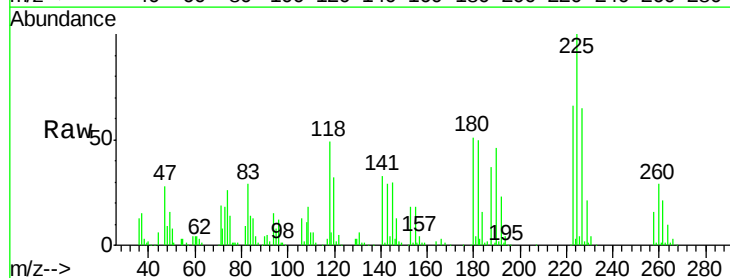
Manual Integrations
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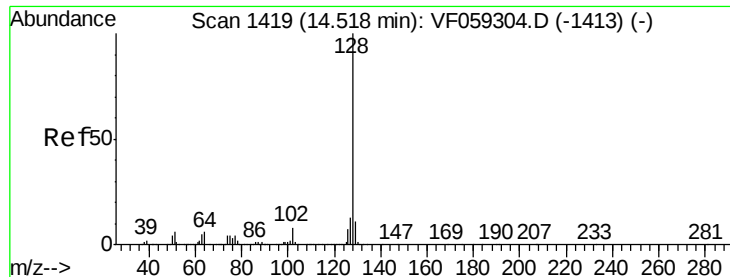
apatel
 6/29/2018 11:27:13 AM



#94
 Hexachlorobutadiene
 Concen: 21.81 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70856		
223	66.2	28.9	86.8	
227	64.8	31.3	93.8	





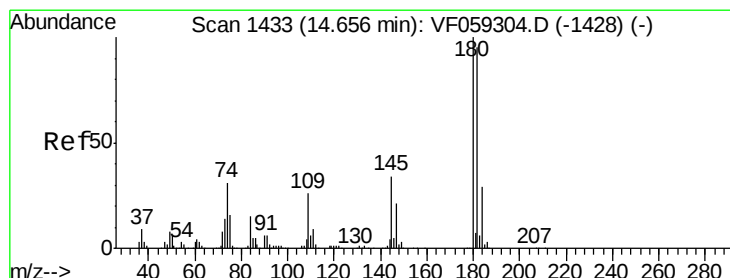
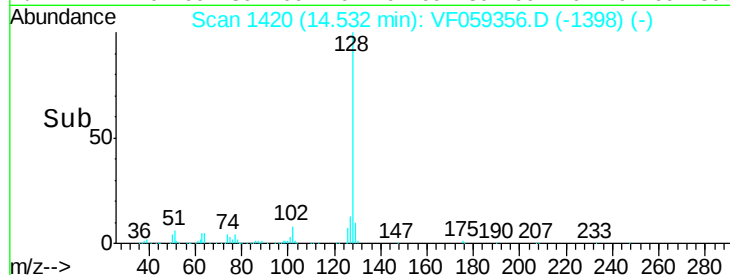
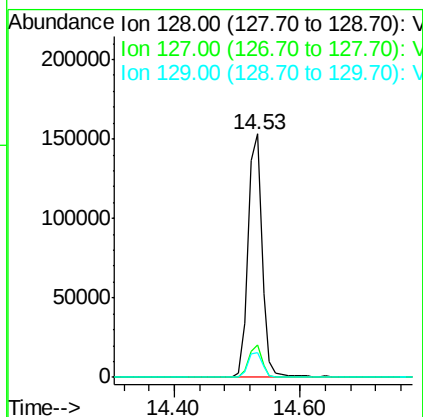
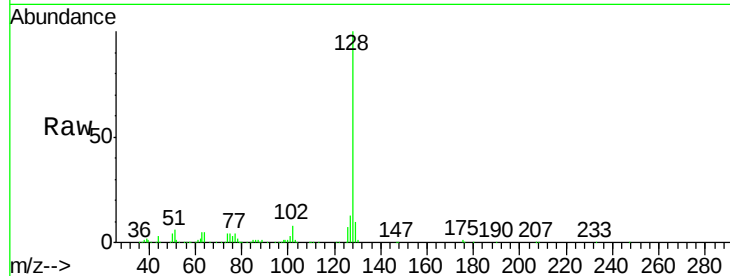
#95
Naphthalene
Concen: 19.44 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	236609		
127	13.3	10.1	15.1	
129	10.2	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.50 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112978		
182	96.9	47.5	142.5	
145	29.0	17.0	50.9	

