

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059451.D
 Acq On : 6 Jul 2018 16:00
 Operator : VA/AP
 Sample : VF0706SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Manual Integrations
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 7/9/2018 12:22:19 PM

Quant Time: Jul 09 11:15:33 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	5.02	168	250158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	385658	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	392523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	238542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	155526	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
35) Dibromofluoromethane	4.27	113	141873	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
50) Toluene-d8	7.68	98	310758	44.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.08%	
62) 4-Bromofluorobenzene	11.49	95	191797	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	53018	23.20	ug/l	90
3) Chloromethane	1.07	50	29030	18.91	ug/l	97
4) Vinyl Chloride	1.14	62	32842	21.73	ug/l	93
5) Bromomethane	1.33	94	20758	21.80	ug/l	91
6) Chloroethane	1.42	64	16935	22.25	ug/l #	87
7) Trichlorofluoromethane	1.48	101	63110m	21.12	ug/l	
8) Diethyl Ether	1.70	74	16077	20.98	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	39162	22.45	ug/l	86
10) Methyl Iodide	1.95	142	71198	22.38	ug/l	99
11) Tert butyl alcohol	2.67	59	23244m	108.03	ug/l	
12) 1,1-Dichloroethene	1.84	96	34985	23.72	ug/l	87
13) Acrolein	2.08	56	9005	74.17	ug/l	90
14) Allyl chloride	2.17	41	62436	22.55	ug/l	88
15) Acrylonitrile	3.06	53	39233	103.54	ug/l	95
16) Acetone	2.33	43	102583	121.86	ug/l	99
17) Carbon Disulfide	1.86	76	70688	20.38	ug/l	99
18) Methyl Acetate	2.43	43	36953	24.74	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	124707	22.67	ug/l	97
20) Methylene Chloride	2.27	84	43896m	19.75	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	35483	22.55	ug/l	93
22) Diisopropyl ether	2.91	45	143934	23.48	ug/l	96
23) Vinyl Acetate	3.31	43	471016	120.64	ug/l	99
24) 1,1-Dichloroethane	2.99	63	92278	24.28	ug/l	98
25) 2-Butanone	4.50	43	119383	120.68	ug/l	100
26) 2,2-Dichloropropane	3.74	77	61621	23.50	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	50129	20.99	ug/l	97
28) Bromochloromethane	3.86	49	41235	26.23	ug/l	92
29) Tetrahydrofuran	4.24	42	47245	108.64	ug/l	98
30) Chloroform	4.01	83	131058	23.82	ug/l	98
31) Cyclohexane	3.84	56	50687	20.36	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	95688	23.76	ug/l	99
36) 1,1-Dichloropropene	4.44	75	74896	22.23	ug/l	97
37) Ethyl Acetate	4.26	43	56424	25.45	ug/l #	77
38) Carbon Tetrachloride	4.14	117	103010	24.23	ug/l	89

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.60	83	62780	21.03	ug/l #	88
40) Benzene	4.78	78	160456	21.48	ug/l	93
41) Methacrylonitrile	4.90	41	27607	24.02	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	99300	22.75	ug/l	95
43) Isopropyl Acetate	7.09	43	58252	20.76	ug/l	92
44) Trichloroethene	5.65	130	55780	21.77	ug/l	97
45) 1,2-Dichloropropane	6.38	63	46409	21.75	ug/l	92
46) Dibromomethane	6.23	93	41459	22.38	ug/l	94
47) Bromodichloromethane	6.53	83	103636	23.11	ug/l	94
48) Methyl methacrylate	6.85	41	38340	20.38	ug/l	97
49) 1,4-Dioxane	6.84	88	4623	436.71	ug/l #	65
51) 4-Methyl-2-Pentanone	8.38	43	231719	111.46	ug/l	97
52) Toluene	7.76	92	117627	21.04	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	94094	23.02	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	96454	21.73	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	47525	21.90	ug/l	92
56) Ethyl methacrylate	8.73	69	53900	20.05	ug/l	89
57) 1,3-Dichloropropane	8.98	76	78981	21.22	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	23712	117.60	ug/l	100
59) 2-Hexanone	9.61	43	196732	116.97	ug/l	97
60) Dibromochloromethane	8.84	129	78088	23.31	ug/l	93
61) 1,2-Dibromoethane	9.11	107	56713	21.55	ug/l	98
64) Tetrachloroethene	8.28	164	57377	22.54	ug/l	95
65) Chlorobenzene	9.92	112	156142	21.47	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	71825	22.83	ug/l	88
67) Ethyl Benzene	10.02	91	277280	22.47	ug/l	94
68) m/p-Xylenes	10.24	106	197585	44.99	ug/l	86
69) o-Xylene	10.81	106	107086	21.80	ug/l	96
70) Styrene	10.88	104	165463	22.11	ug/l	98
71) Bromoform	10.87	173	48531	22.51	ug/l	99
73) Isopropylbenzene	11.21	105	330721	23.80	ug/l	98
74) N-amyl acetate	11.44	43	112402	22.29	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	76860	21.90	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	60430	22.83	ug/l	94
77) Bromobenzene	11.58	156	88525	22.96	ug/l	82
78) n-propylbenzene	11.67	91	378416	22.67	ug/l	97
79) 2-Chlorotoluene	11.80	91	227156	22.28	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	283696	23.30	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	34898	22.15	ug/l	97
82) 4-Chlorotoluene	11.98	91	252073	23.08	ug/l	93
83) tert-Butylbenzene	12.20	119	294728	24.21	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	296347	23.11	ug/l	98
85) sec-Butylbenzene	12.37	105	365765	22.66	ug/l	98
86) p-Isopropyltoluene	12.53	119	318336	23.50	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	163856	23.28	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	157721	22.91	ug/l	95
89) n-Butylbenzene	12.90	91	333626	24.27	ug/l	98
90) Hexachloroethane	12.98	117	80223	23.77	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	164989	23.57	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17611	22.64	ug/l	66

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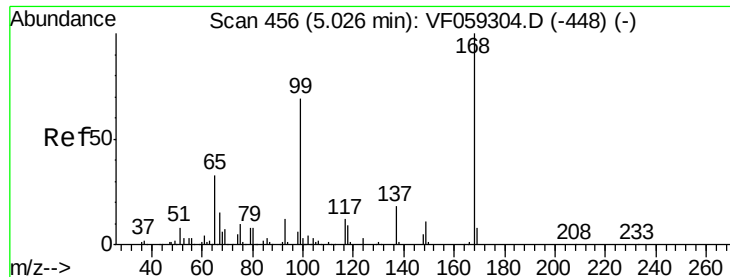
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	123872	23.93	ug/l	98
94) Hexachlorobutadiene	14.24	225	70267	24.31	ug/l	93
95) Naphthalene	14.51	128	259714	23.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	124153	25.32	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion:168 Resp: 250158

Ion Ratio Lower Upper

168 100

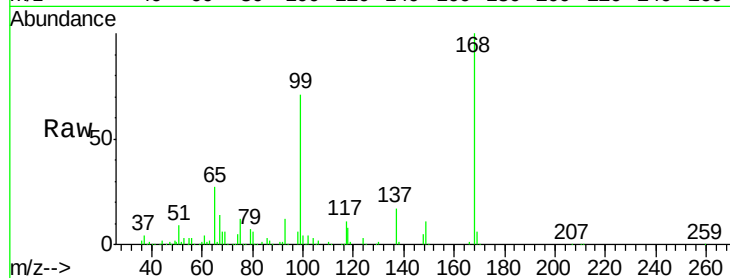
99 70.5 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

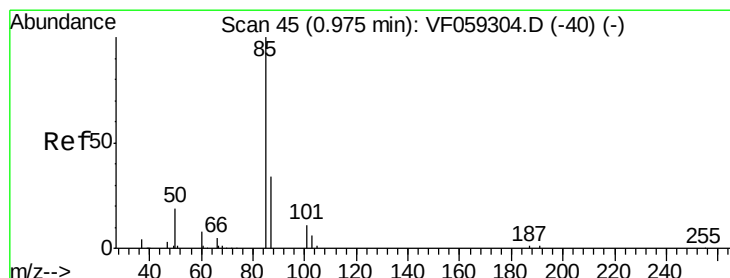
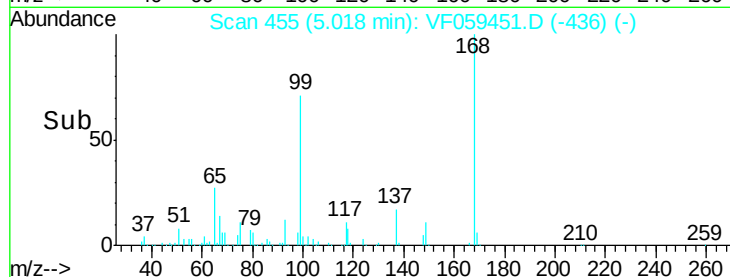
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.20 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059451.D

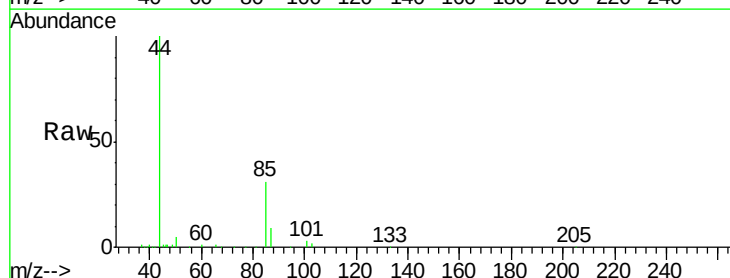
Acq: 6 Jul 2018 16:00

Tgt Ion: 85 Resp: 53018

Ion Ratio Lower Upper

85 100

87 28.4 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

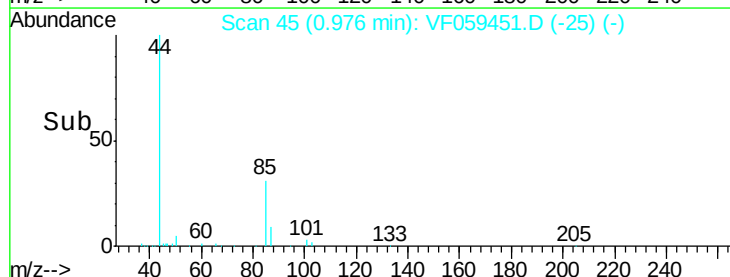
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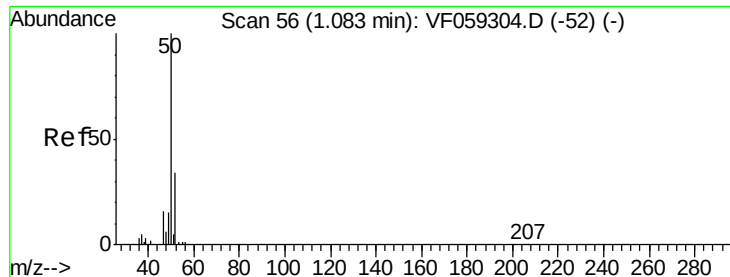
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.91 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 50 Resp: 29030

Ion Ratio Lower Upper

50 100

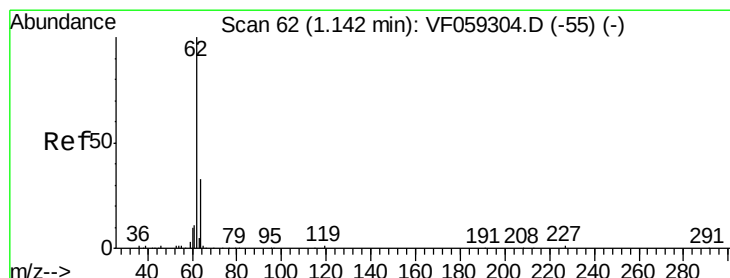
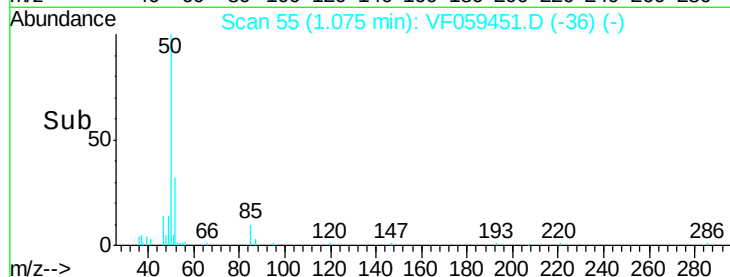
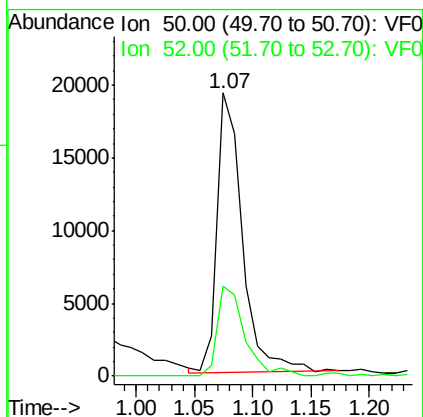
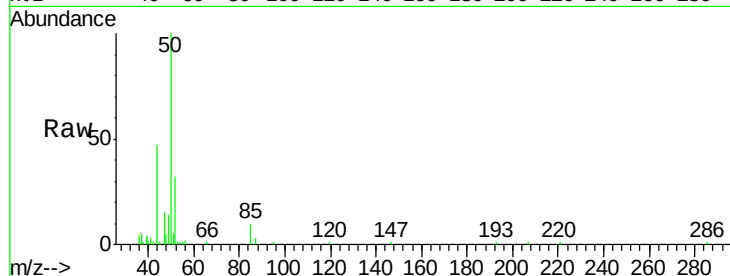
52 31.7 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.73 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059451.D

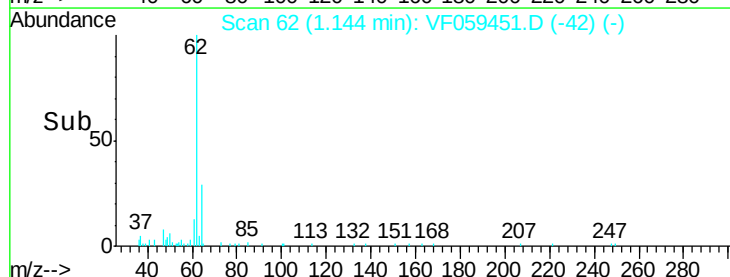
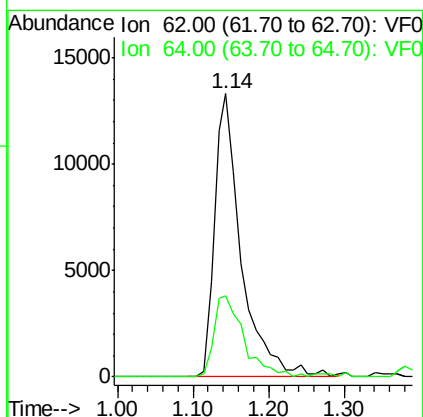
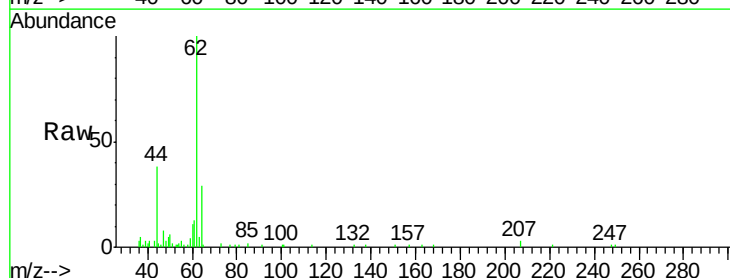
Acq: 6 Jul 2018 16:00

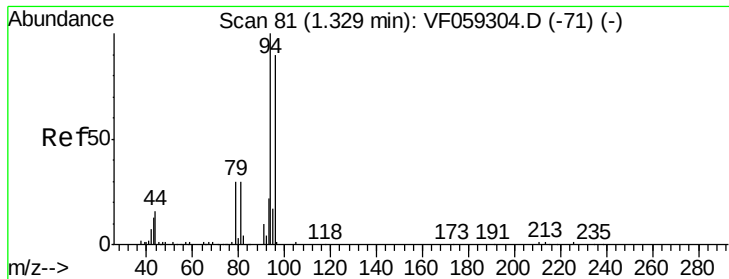
Tgt Ion: 62 Resp: 32842

Ion Ratio Lower Upper

62 100

64 28.8 26.3 39.5





#5

Bromomethane

Concen: 21.80 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 94 Resp: 20758

Ion Ratio Lower Upper

94 100

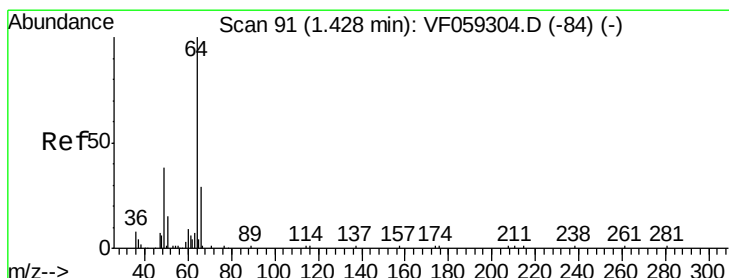
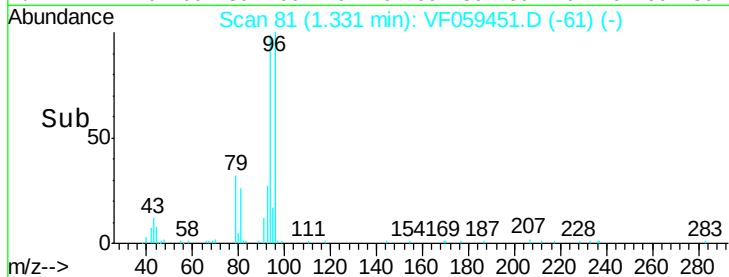
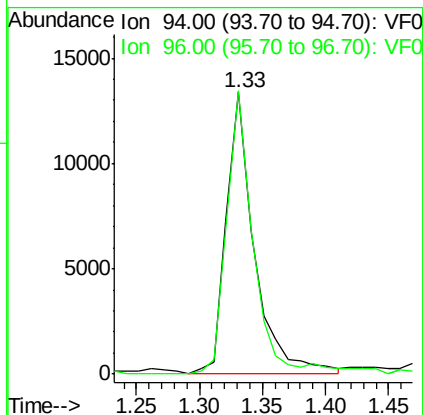
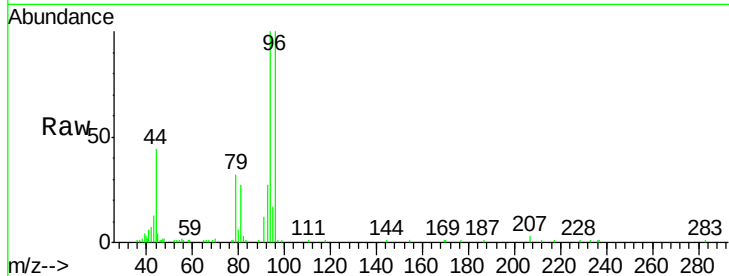
96 100.4 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 22.25 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059451.D

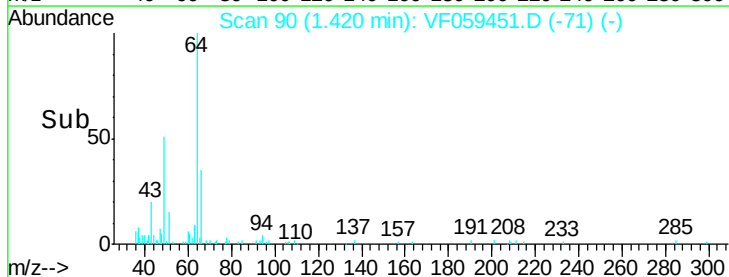
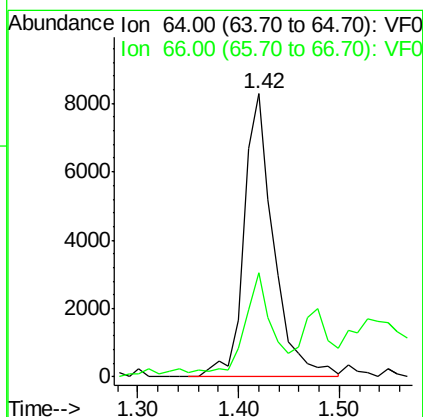
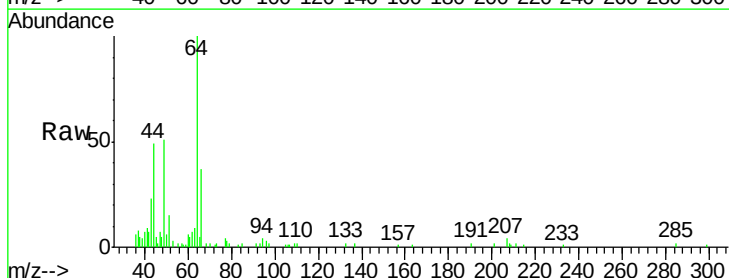
Acq: 6 Jul 2018 16:00

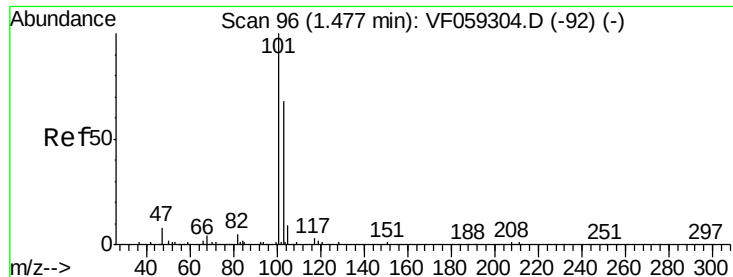
Tgt Ion: 64 Resp: 16935

Ion Ratio Lower Upper

64 100

66 36.7 23.9 35.9#





#7

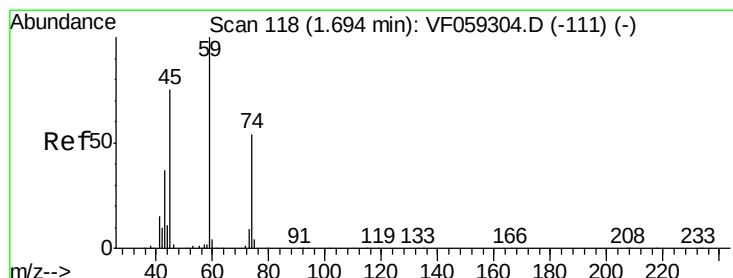
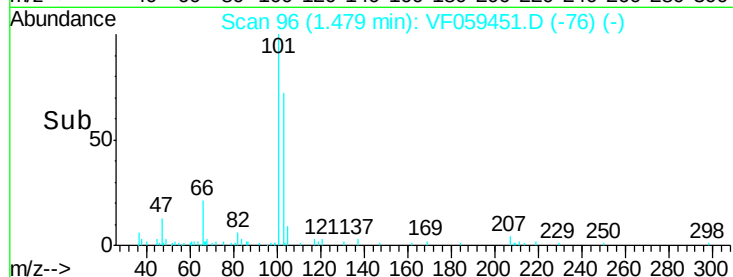
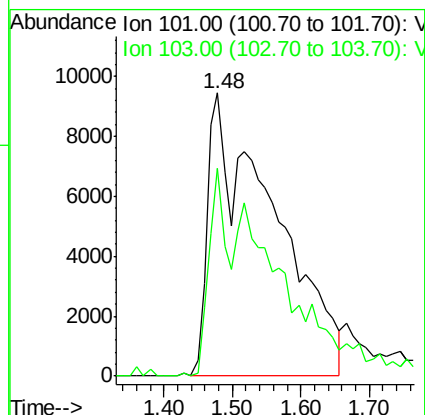
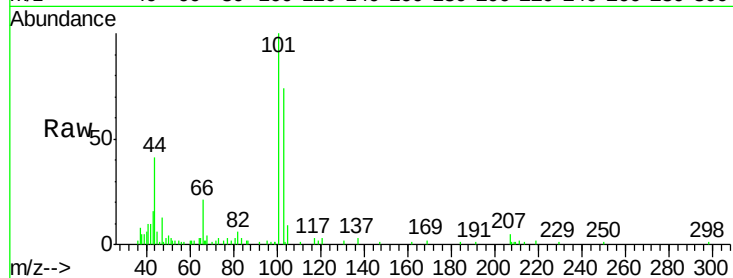
Trichlorofluoromethane
Concen: 21.12 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
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ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	73.6	54.2	81.2

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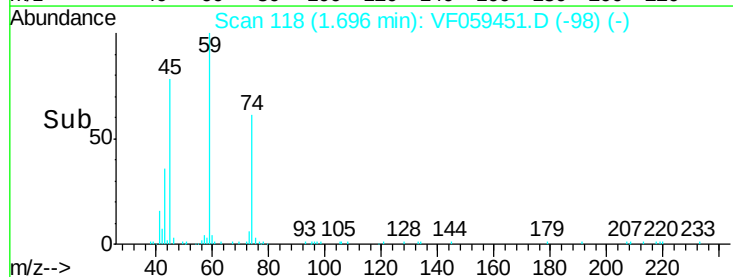
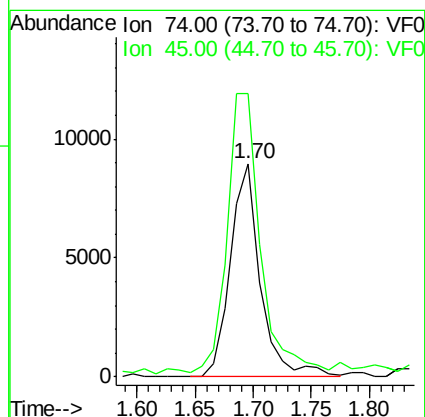
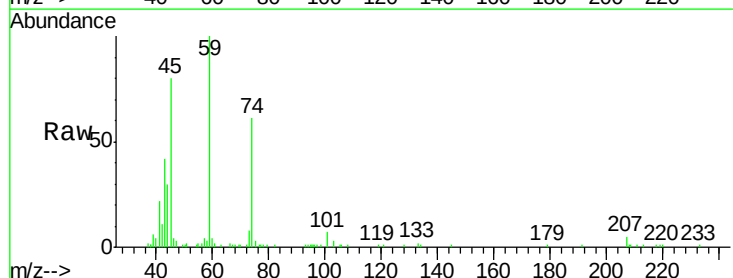
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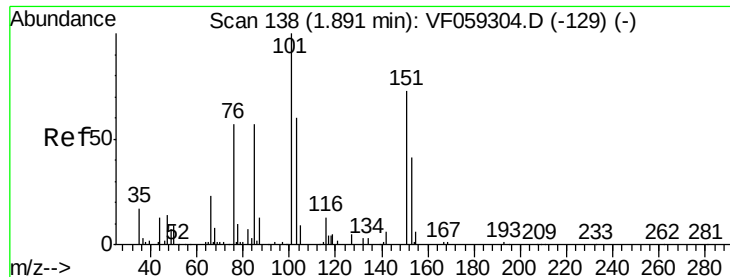


#8

Diethyl Ether
Concen: 20.98 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.5	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.45 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

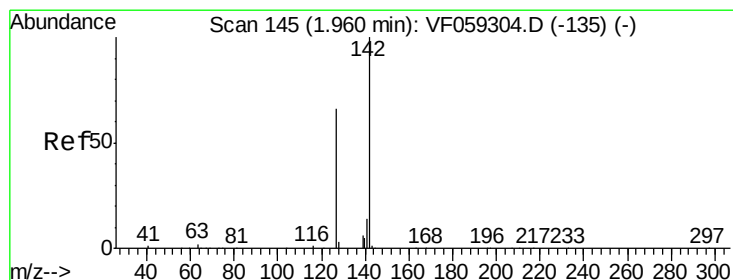
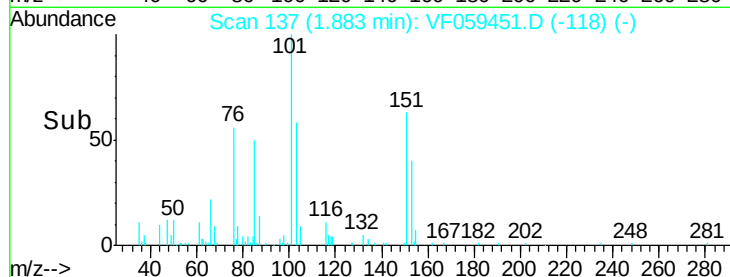
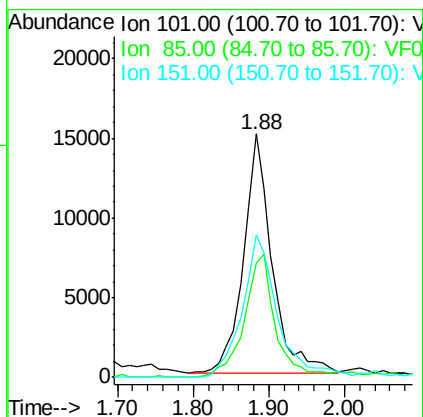
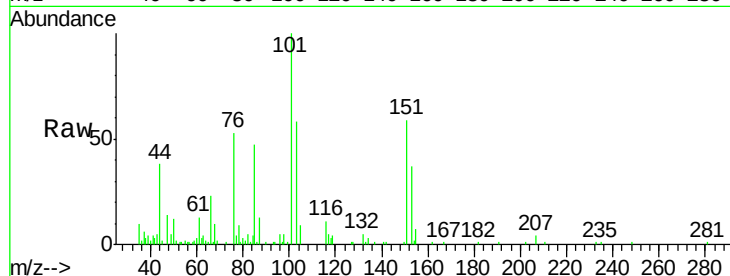
ClientSampleId :

VF0706SBS01

Tot Ion:	101	Resp:	39162
Ion Ratio	Lower	Upper	
101	100		
85	47.1	44.5	66.7
151	58.6	56.8	85.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.38 ug/l

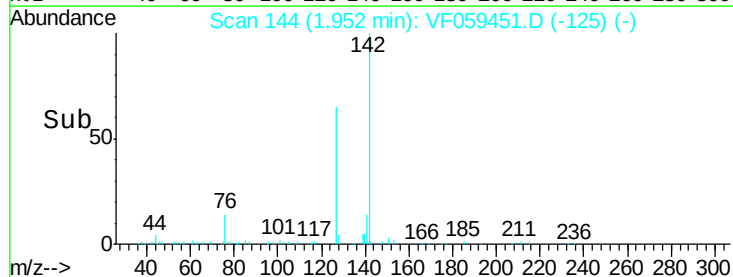
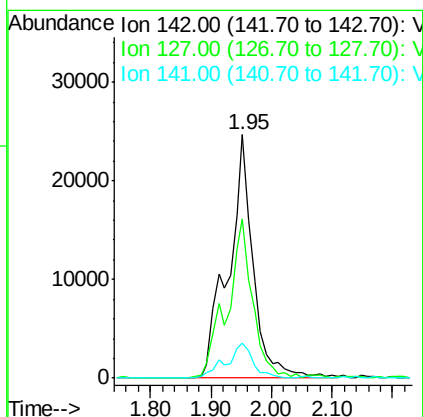
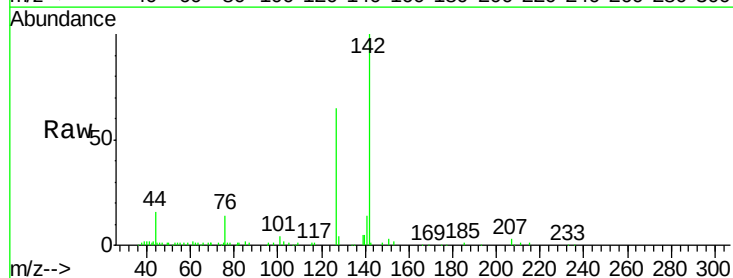
RT: 1.95 min Scan# 144

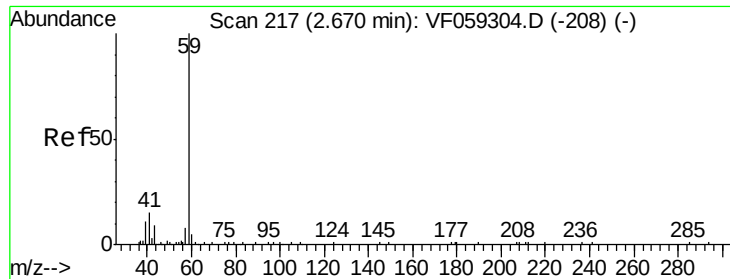
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	142	Resp:	71198
Ion Ratio	Lower	Upper	
142	100		
127	64.7	52.5	78.7
141	14.3	11.5	17.3





#11

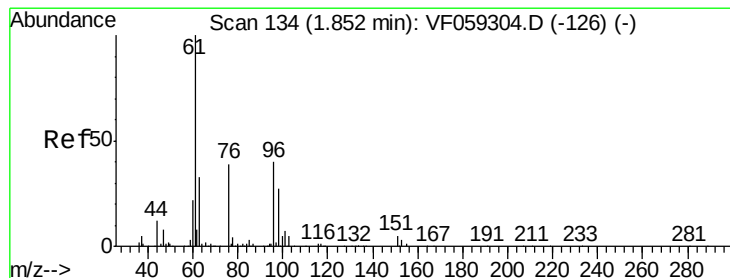
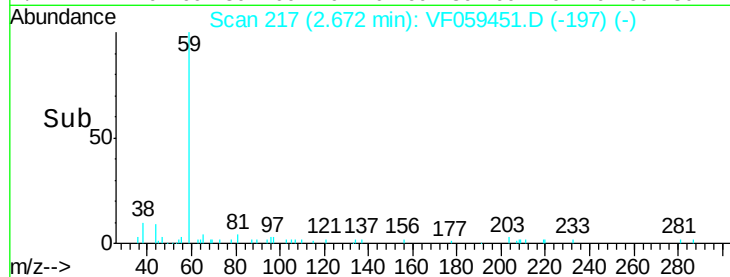
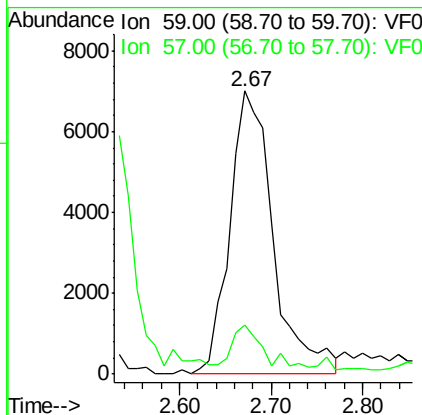
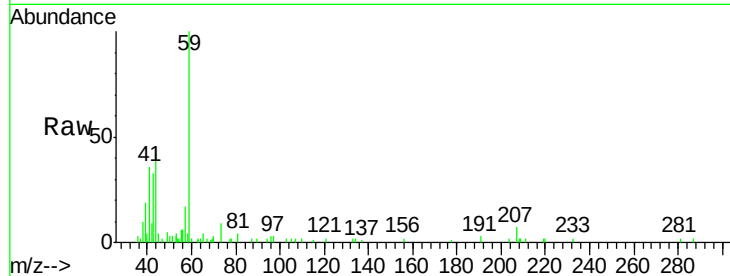
Tert butyl alcohol
Concen: 108.03 ug/l m
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.2	11.0	16.4#

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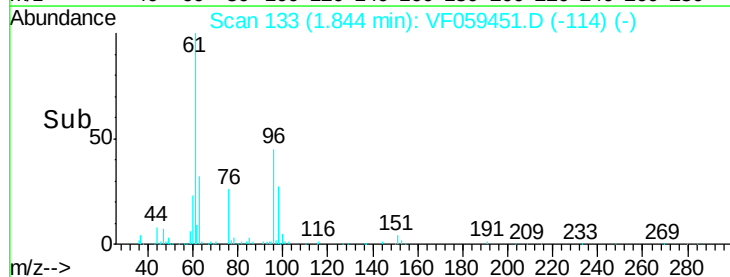
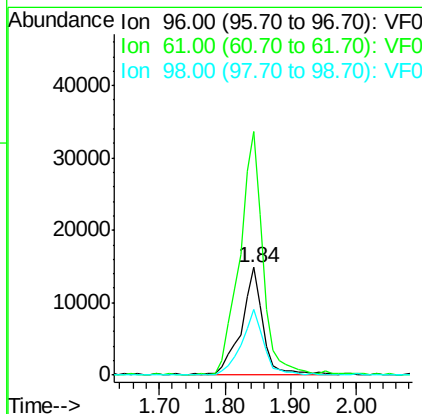
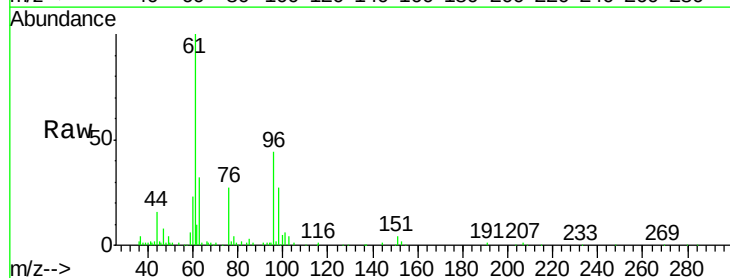
apatel
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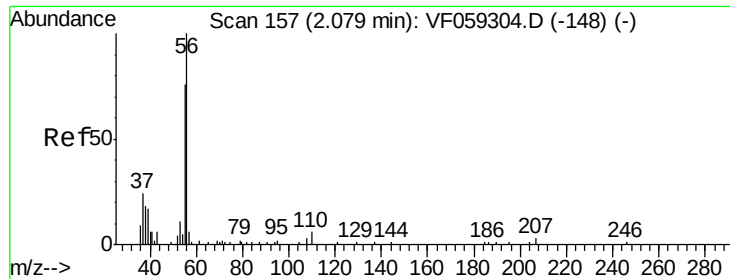


#12

1,1-Dichloroethene
Concen: 23.72 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	226.2	201.1	301.7
98	61.2	53.9	80.9





#13

Acrolein

Concen: 74.17 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 56 Resp: 9005

Ion Ratio Lower Upper

56 100

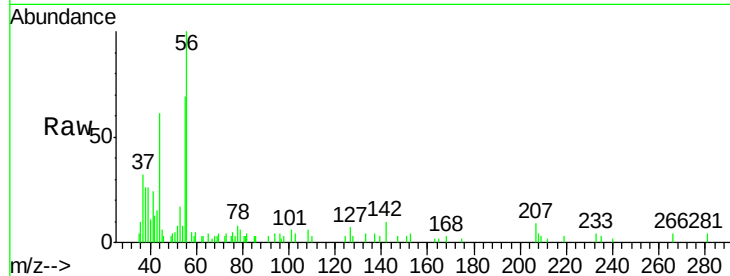
55 69.3 62.4 93.6

Manual Integrations

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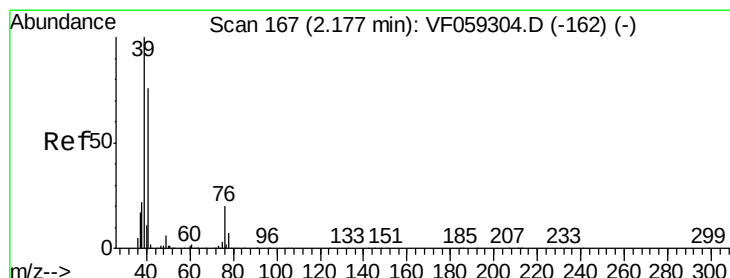
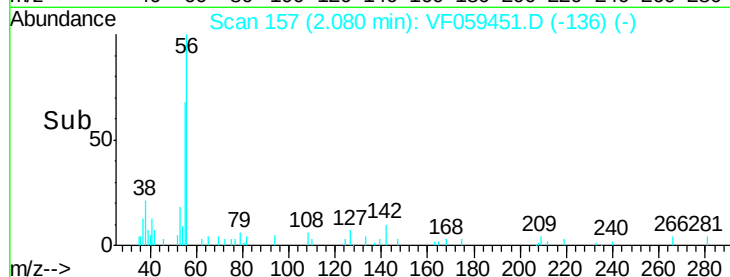


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

Time-->



#14

Allyl chloride

Concen: 22.55 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

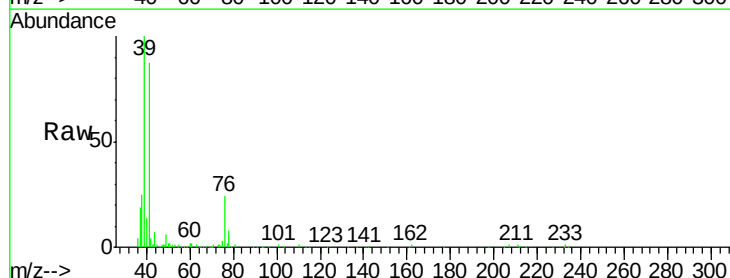
Tgt Ion: 41 Resp: 62436

Ion Ratio Lower Upper

41 100

39 114.8 105.6 158.4

76 27.9 21.6 32.4



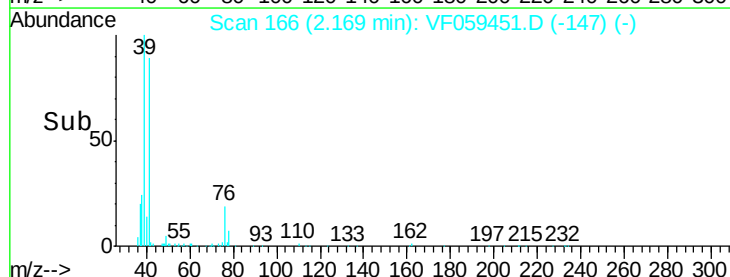
Abundance Ion 41.00 (40.70 to 41.70): VF0

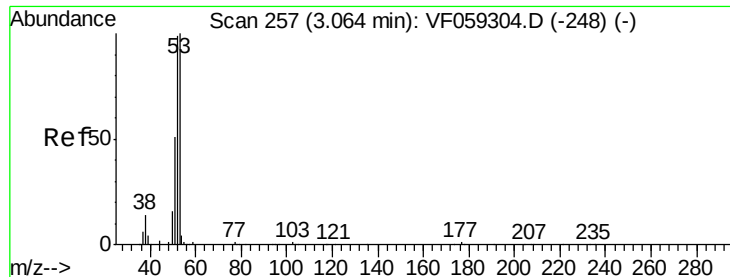
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.17

Time-->





#15

Acrylonitrile

Concen: 103.54 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

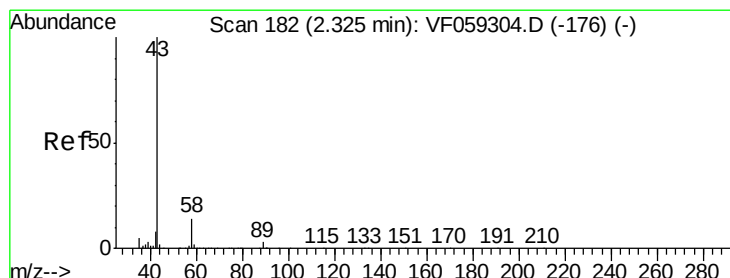
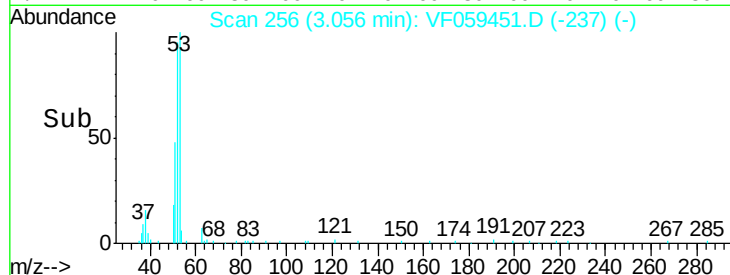
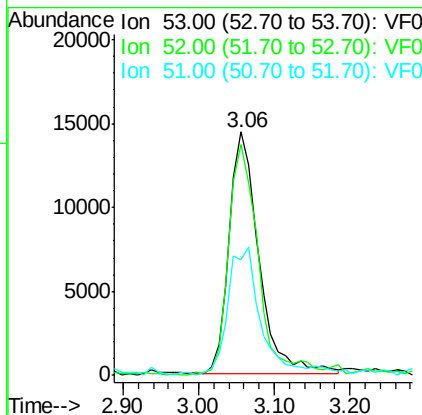
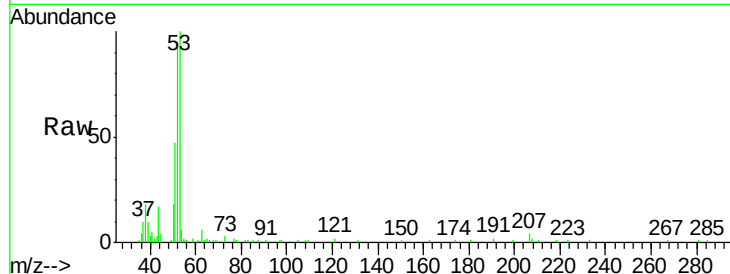
ClientSampleId :

VF0706SBS01

Tot Ion:	53	Resp:	39233
Ion	Ratio	Lower	Upper
53	100		
52	94.6	79.2	118.8
51	47.3	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 121.86 ug/l

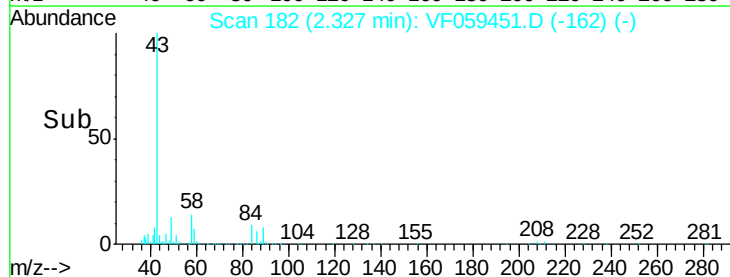
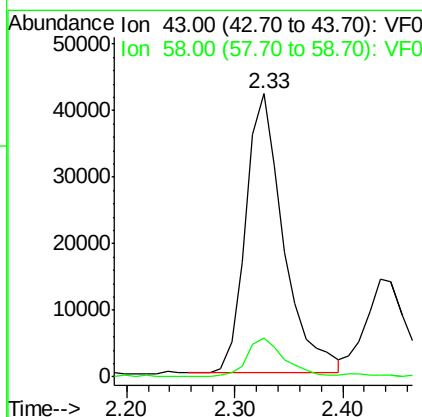
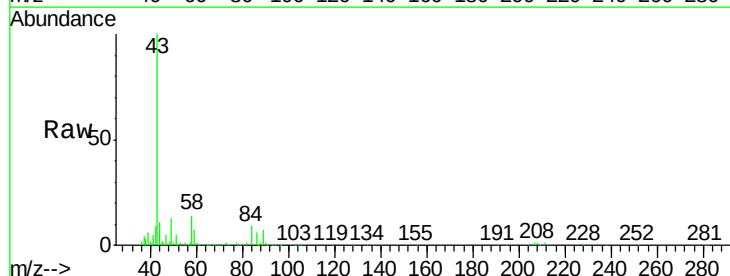
RT: 2.33 min Scan# 182

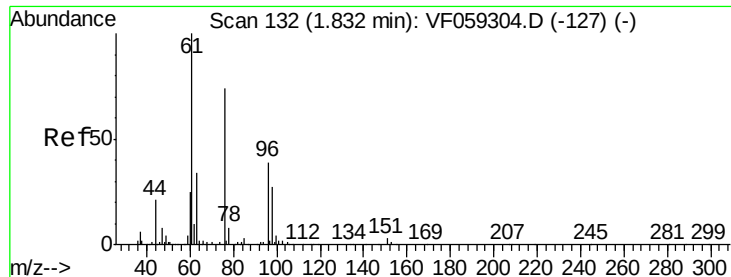
Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	43	Resp:	102583
Ion	Ratio	Lower	Upper
43	100		
58	13.7	11.4	17.0





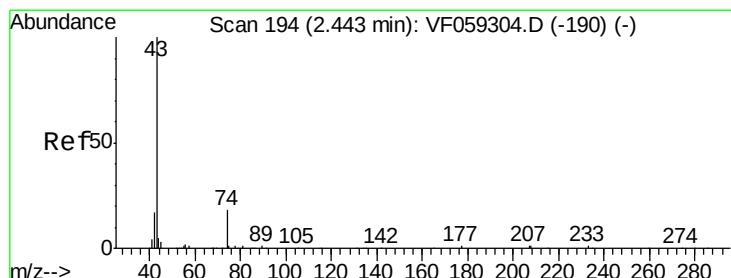
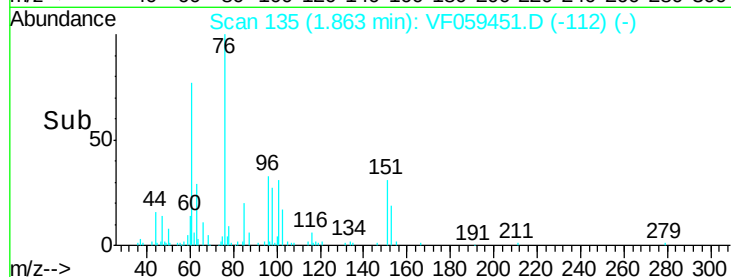
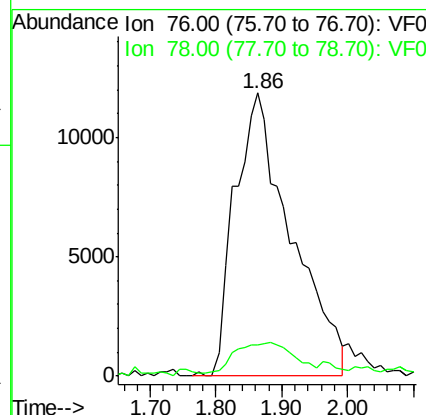
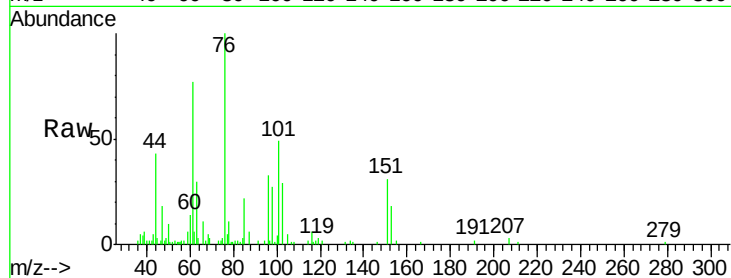
#17
Carbon Disulfide
Concen: 20.38 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.9	8.9	13.3

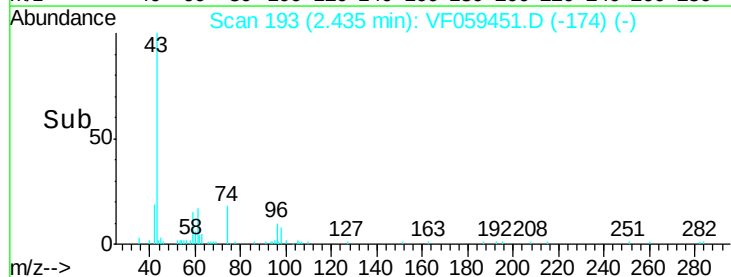
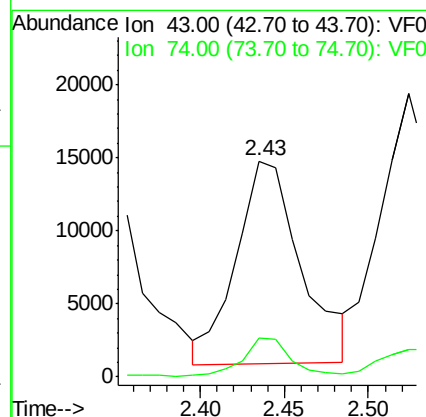
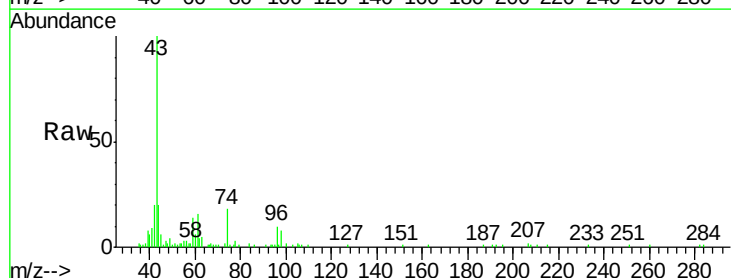
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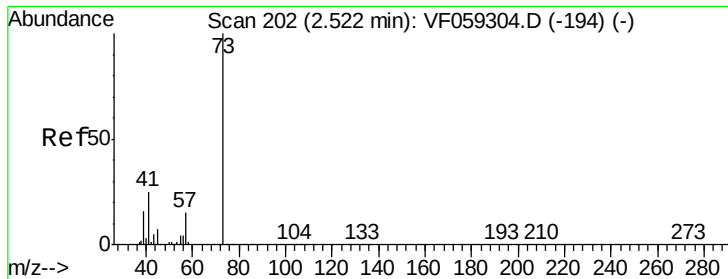
apatel
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#18
Methyl Acetate
Concen: 24.74 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.7	13.3	19.9





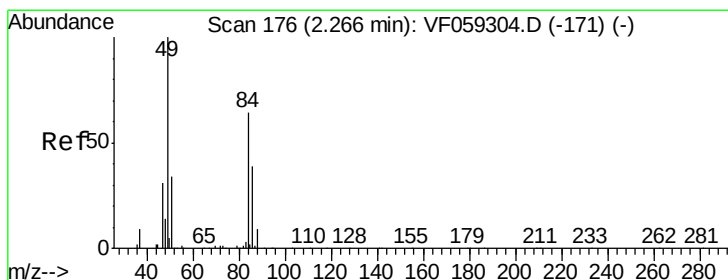
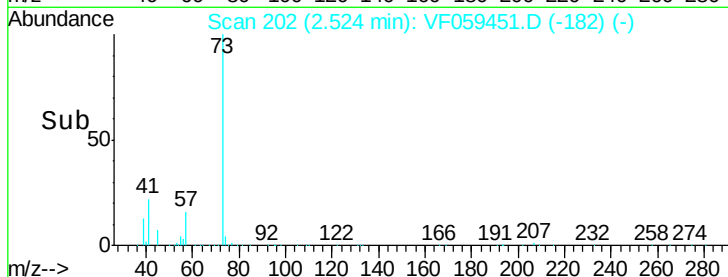
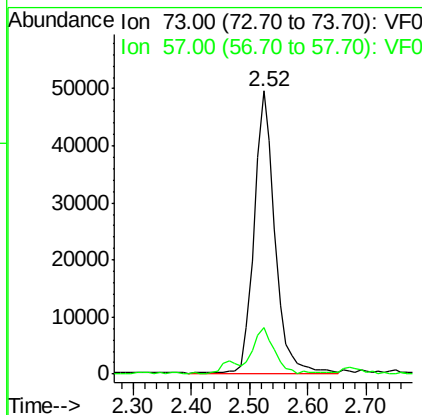
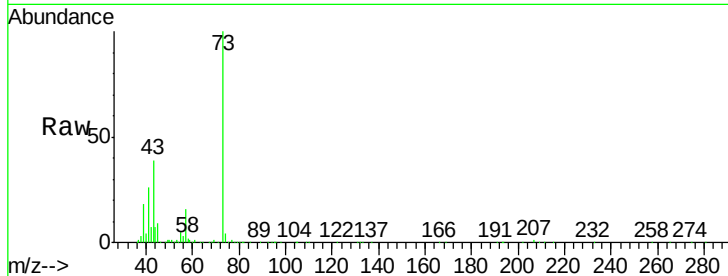
#19
Methyl tert-butyl Ether
Concen: 22.67 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	12.3	18.5

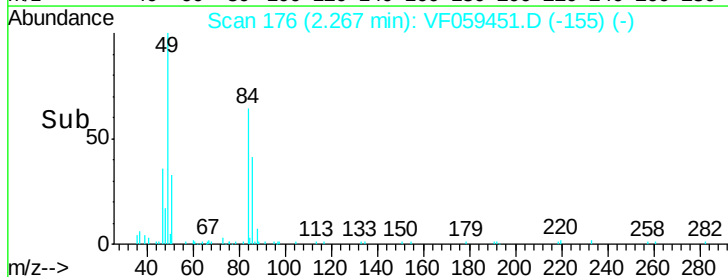
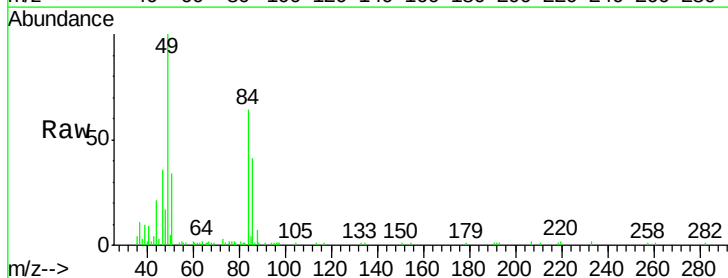
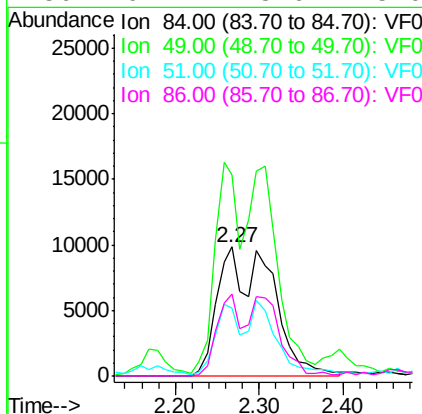
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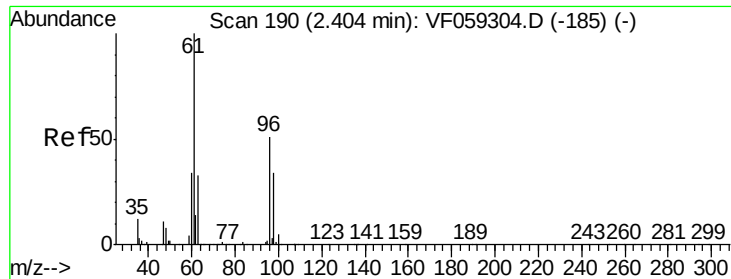
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#20
Methylene Chloride
Concen: 19.75 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.9	126.5	189.7
51	52.3	42.9	64.3
86	64.1	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 22.55 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

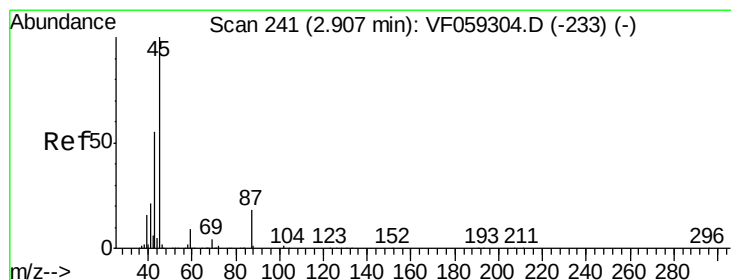
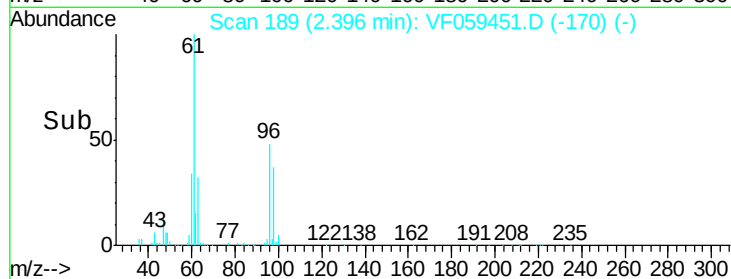
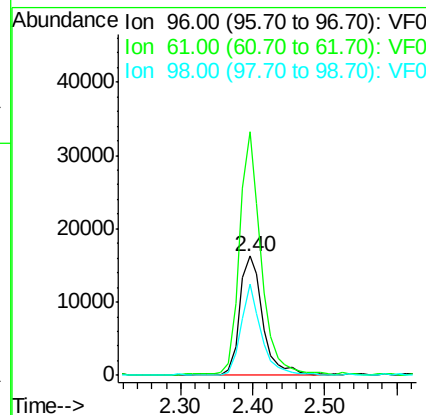
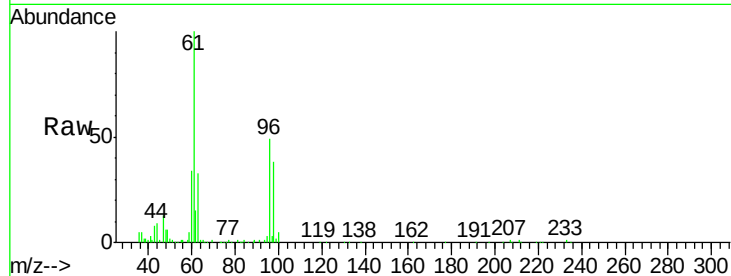
ClientSampleId :

VF0706SBS01

Tot Ion:	96	Resp:	35483
Ion	Ratio	Lower	Upper
96	100		
61	204.8	157.4	236.2
98	77.1	53.7	80.5

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#22

Diisopropyl ether

Concen: 23.48 ug/l

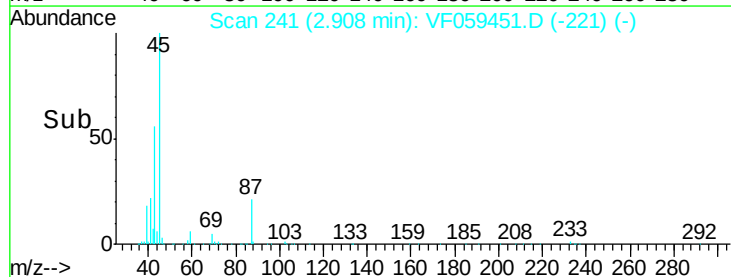
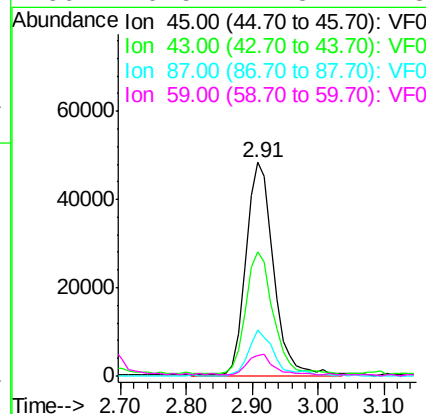
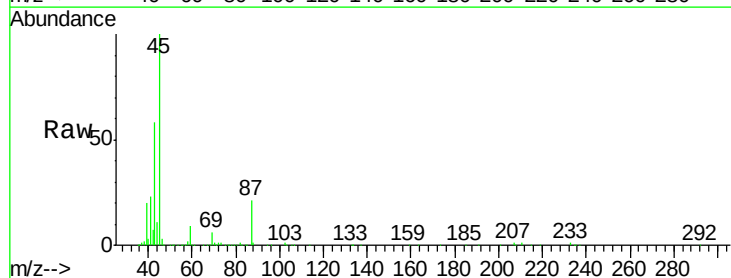
RT: 2.91 min Scan# 241

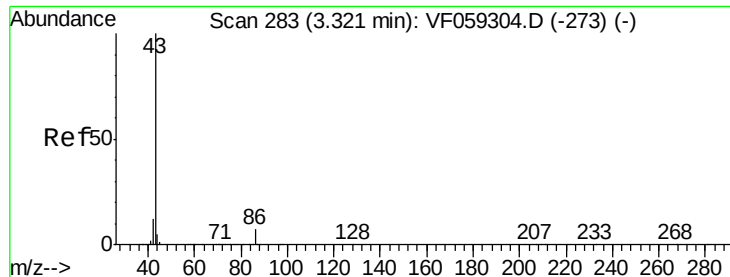
Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	45	Resp:	143934
Ion	Ratio	Lower	Upper
45	100		
43	58.3	44.6	66.8
87	21.3	14.3	21.5
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 120.64 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 43 Resp: 471016

Ion Ratio Lower Upper

43 100

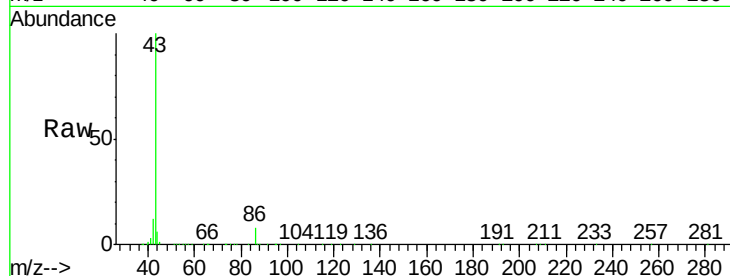
86 7.6 5.8 8.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

200000

150000

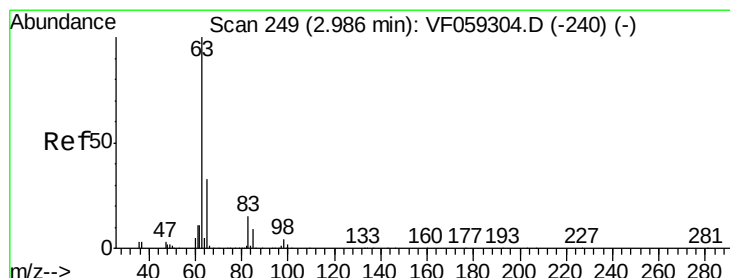
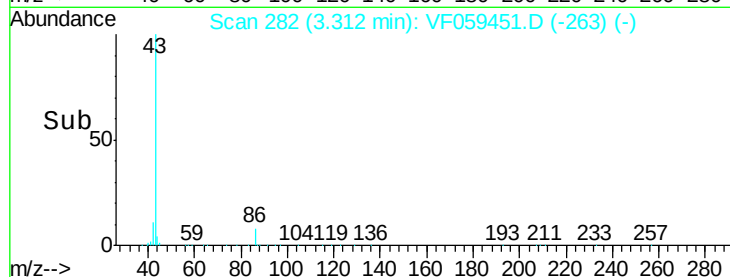
100000

50000

0

Time-->

3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 24.28 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

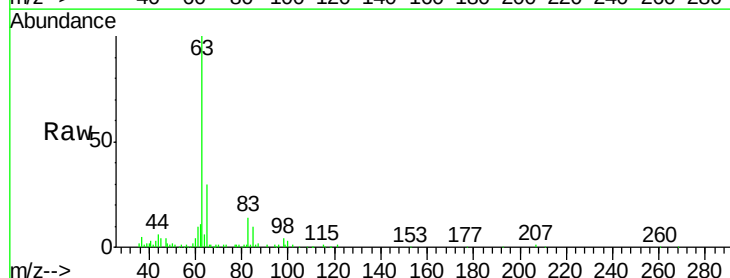
Tgt Ion: 63 Resp: 92278

Ion Ratio Lower Upper

63 100

98 4.7 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

2.99

40000

30000

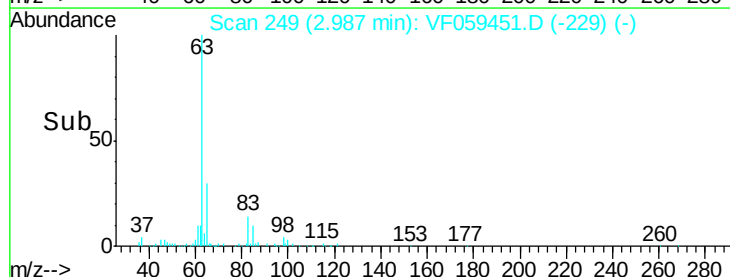
20000

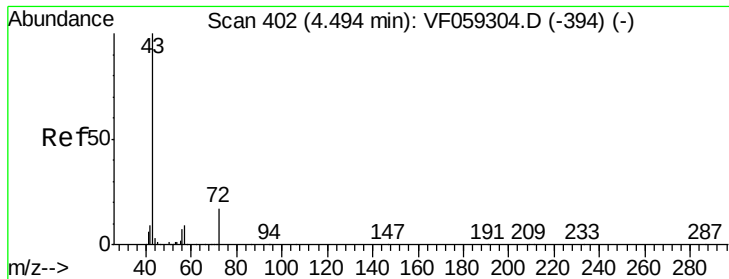
10000

0

Time-->

2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 120.68 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 43 Resp: 119383

Ion Ratio Lower Upper

43 100

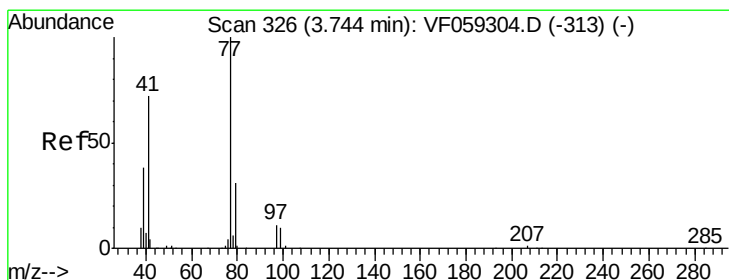
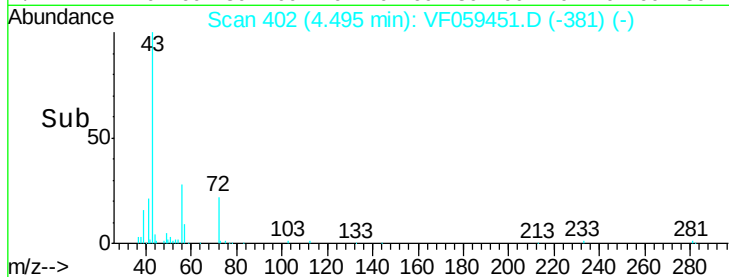
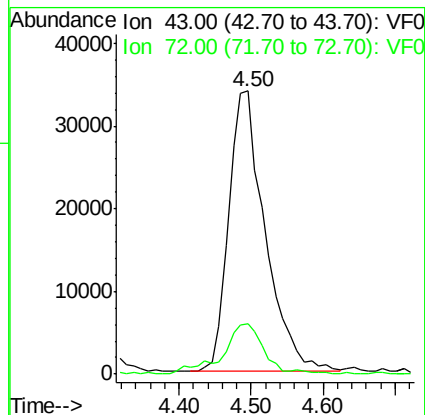
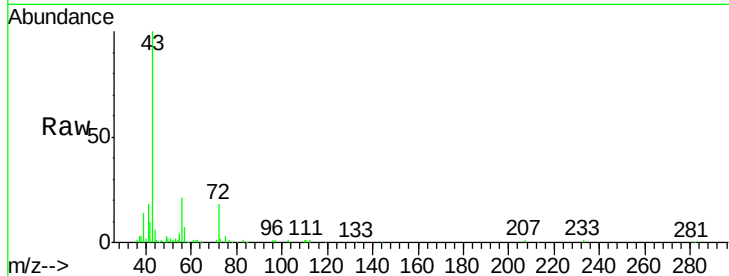
72 18.0 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.50 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059451.D

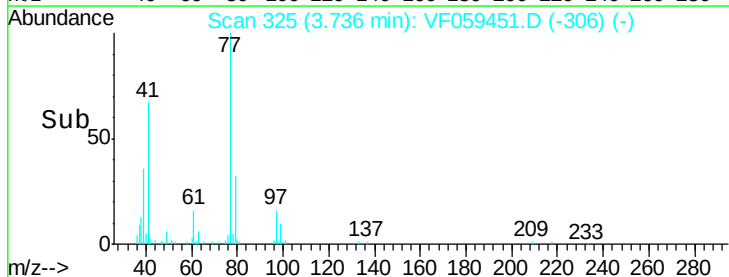
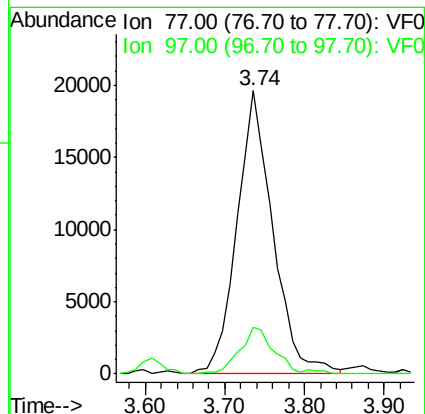
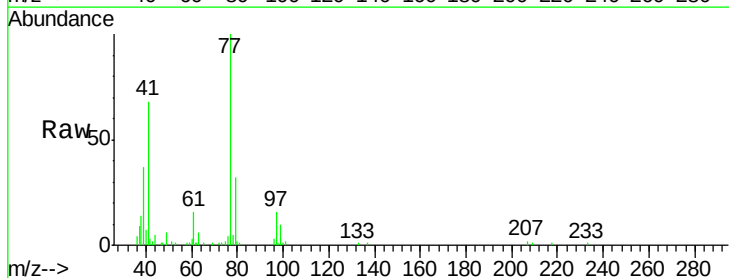
Acq: 6 Jul 2018 16:00

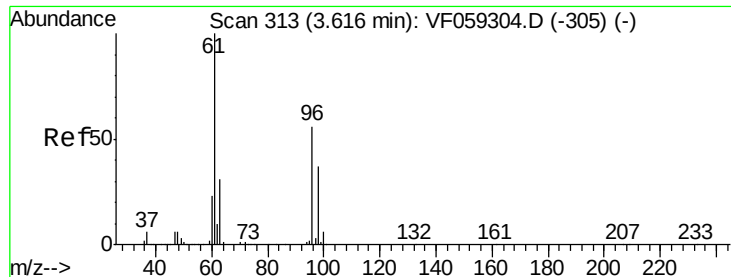
Tgt Ion: 77 Resp: 61621

Ion Ratio Lower Upper

77 100

97 16.4 8.0 23.8





#27

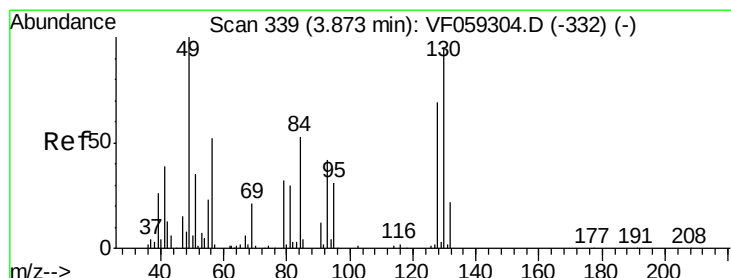
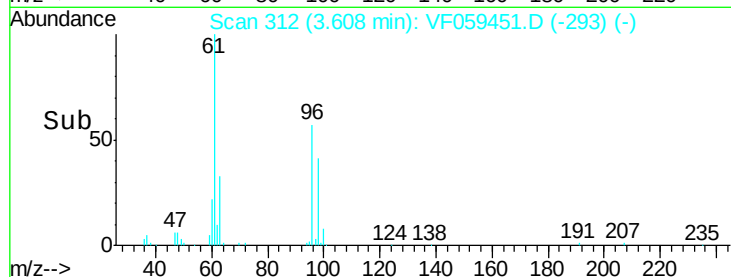
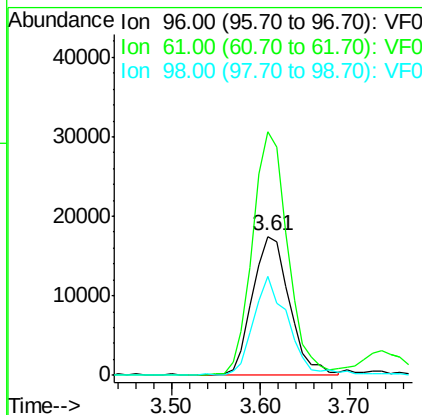
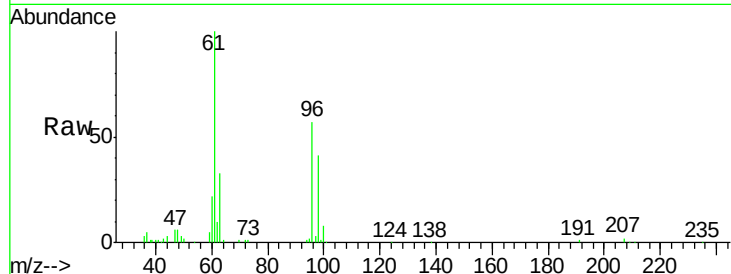
cis-1,2-Dichloroethene
Concen: 20.99 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.2	0.0	355.4
98	71.6	0.0	131.0

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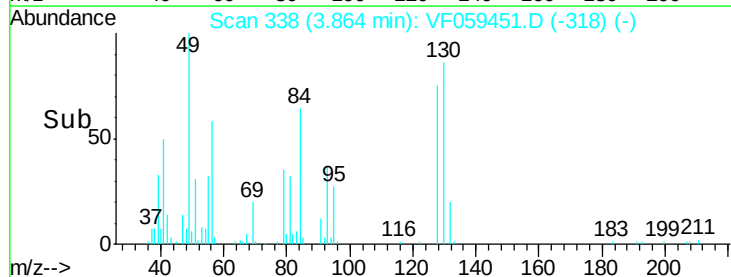
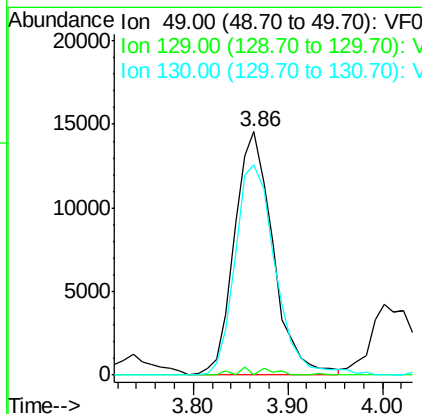
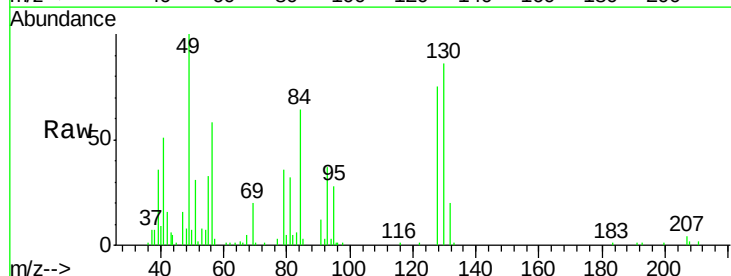
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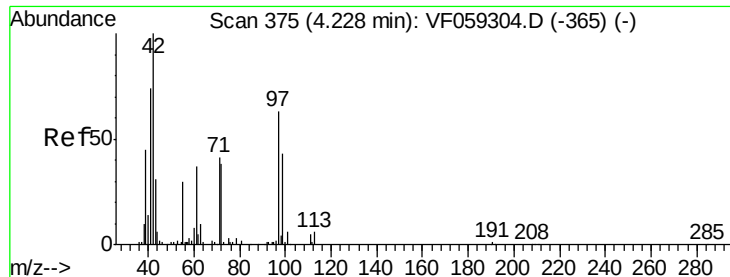


#28

Bromochloromethane
Concen: 26.23 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	86.2	75.1	112.7





#29

Tetrahydrofuran

Concen: 108.64 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

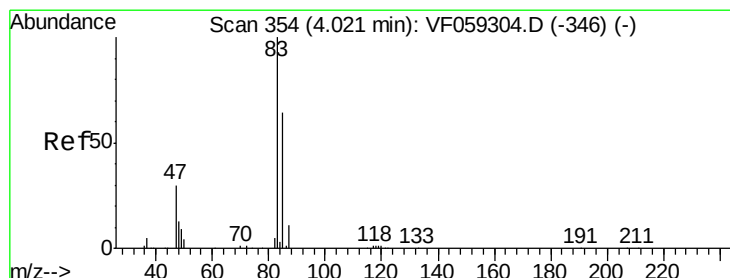
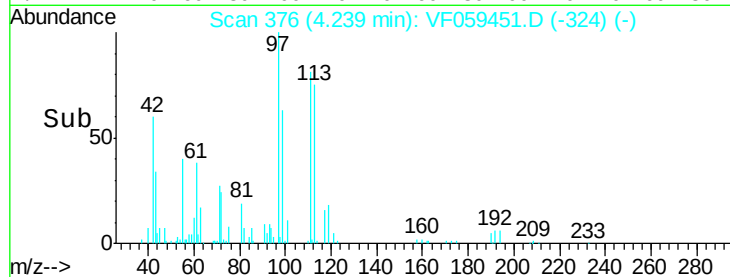
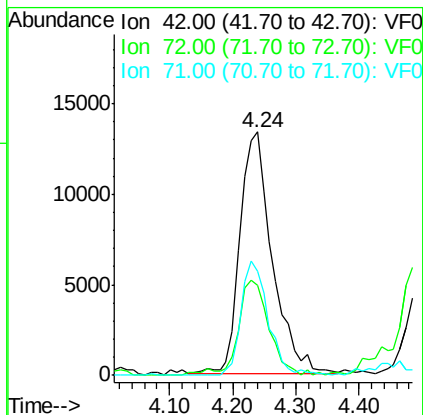
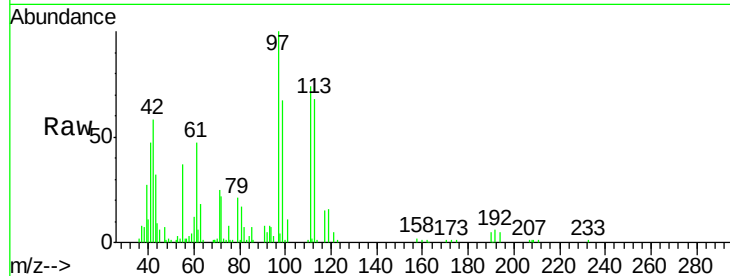
ClientSampleId :

VF0706SBS01

Tot Ion:	42	Resp:	47245
Ion Ratio		Lower	Upper
42	100		
72	36.1	30.5	45.7
71	40.1	32.5	48.7

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#30

Chloroform

Concen: 23.82 ug/l

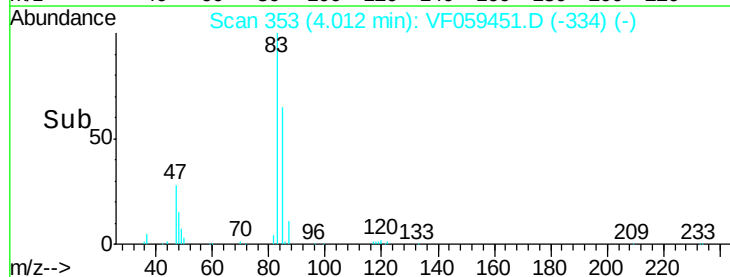
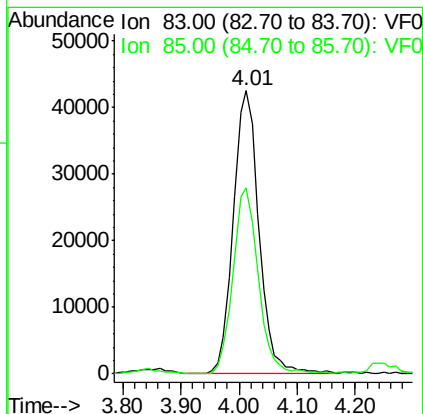
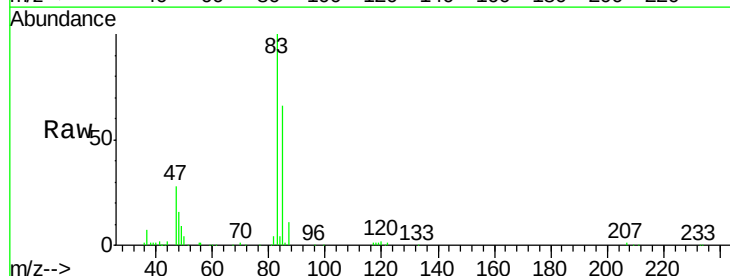
RT: 4.01 min Scan# 353

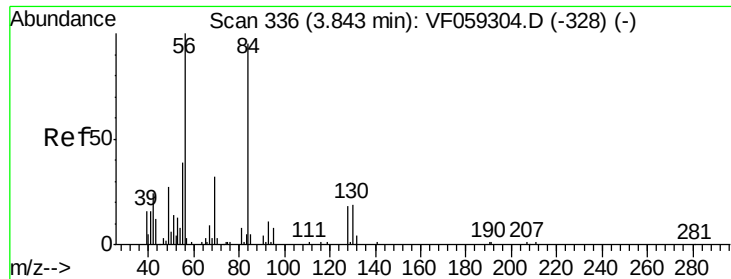
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	83	Resp:	131058
Ion Ratio		Lower	Upper
83	100		
85	65.9	51.3	76.9





#31

Cyclohexane

Concen: 20.36 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

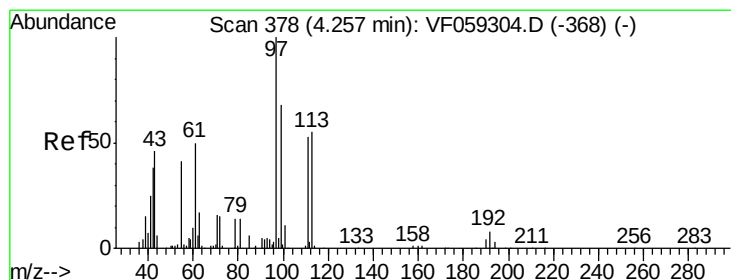
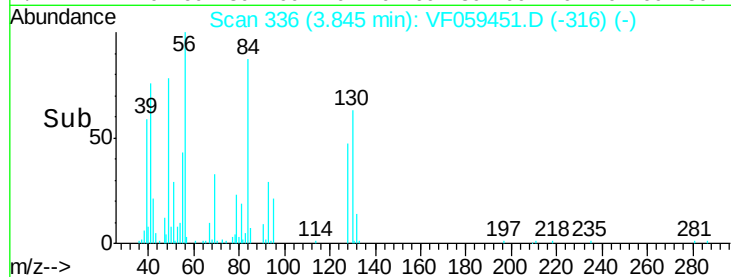
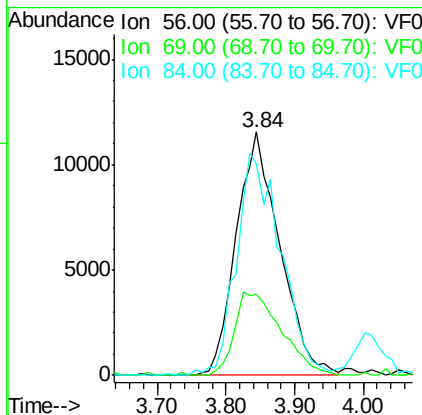
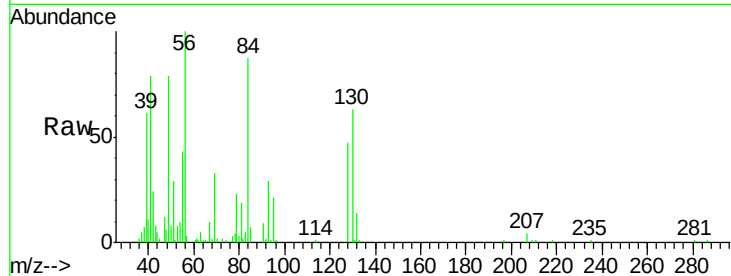
ClientSampleId :

VF0706SBS01

Tot Ion:	56	Resp:	50687
Ion Ratio	Lower	Upper	
56	100		
69	33.4	25.8	38.8
84	86.7	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 23.76 ug/l

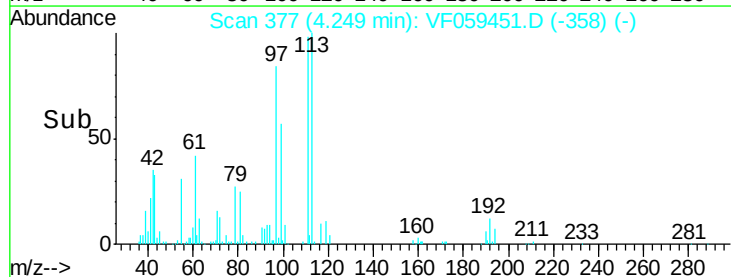
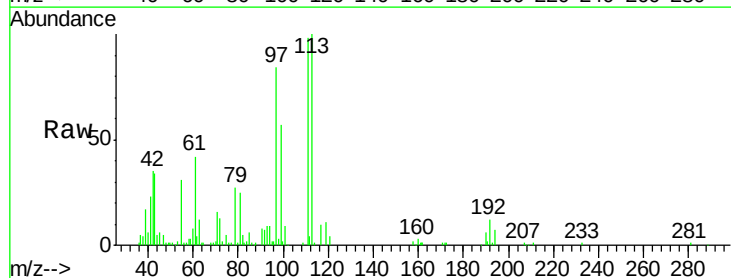
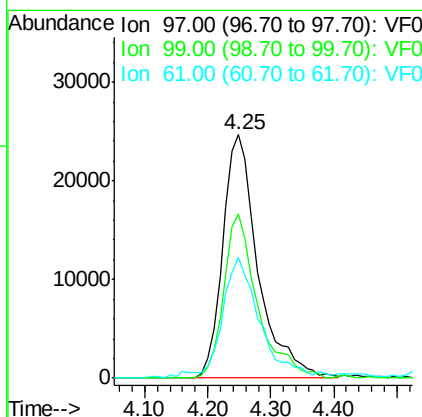
RT: 4.25 min Scan# 377

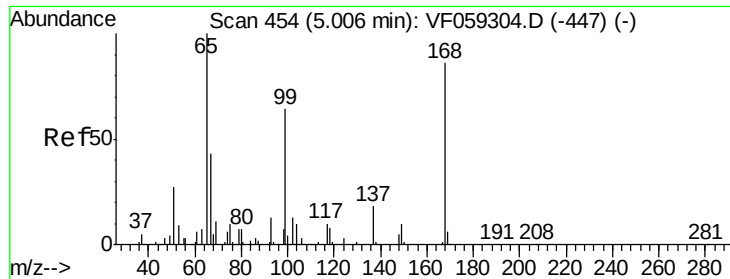
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	97	Resp:	95688
Ion Ratio	Lower	Upper	
97	100		
99	67.2	54.1	81.1
61	49.8	41.2	61.8





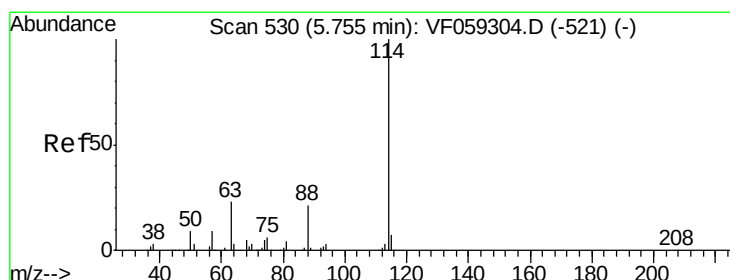
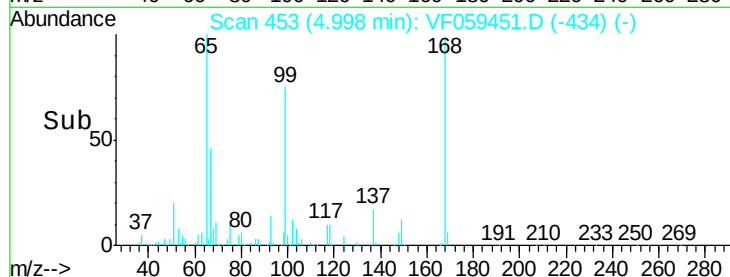
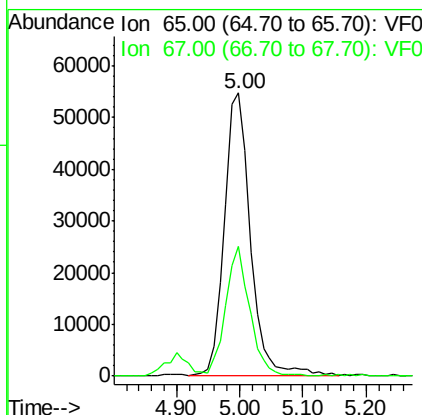
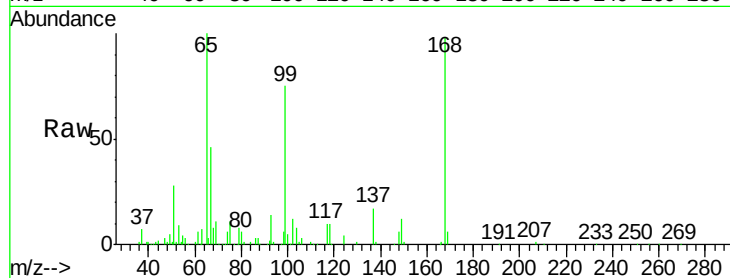
#33
 1,2-Dichloroethane-d4
 Concen: 48.12 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	46.0	0.0	96.8	

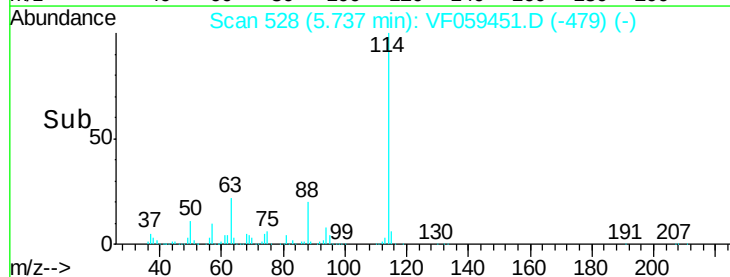
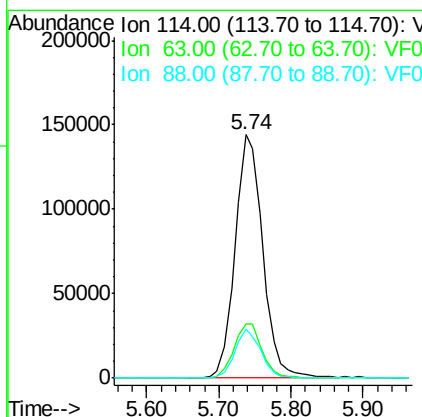
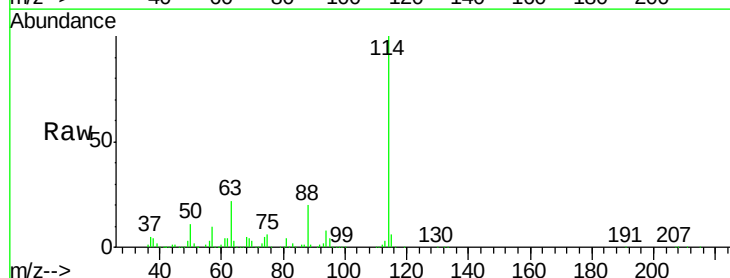
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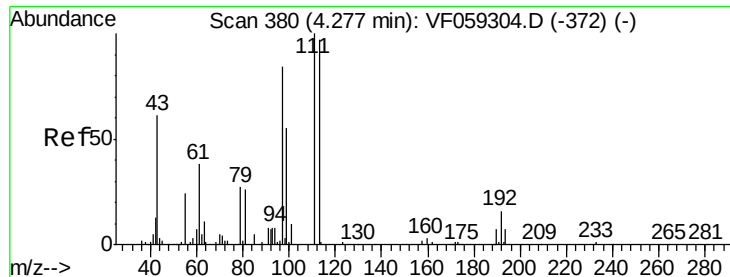
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	45.8	
88	20.2	0.0	41.2	





#35

Dibromofluoromethane

Concen: 50.35 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

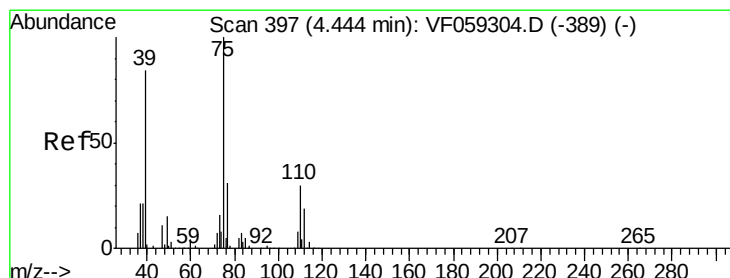
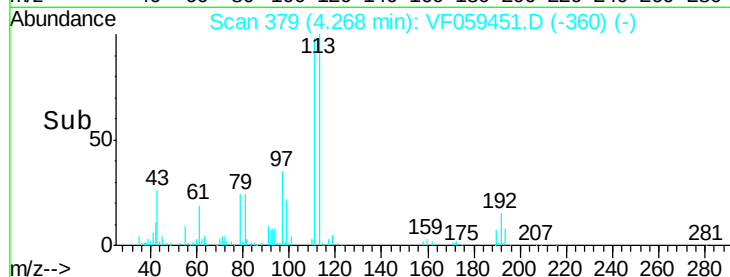
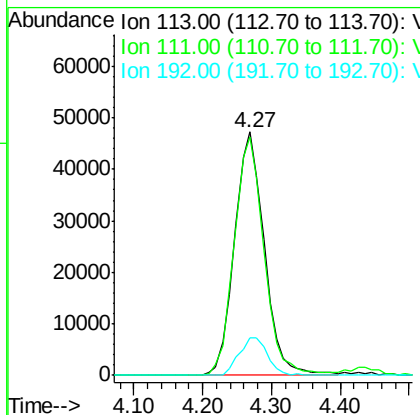
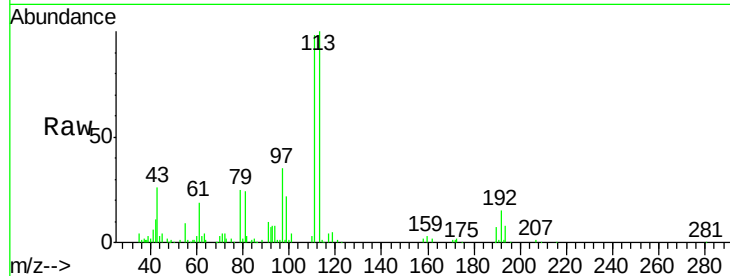
ClientSampleId :

VF0706SBS01

Tot Ion:	113	Resp:	141873
Ion Ratio	Lower	Upper	
113	100		
111	98.1	82.1	123.1
192	15.3	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 22.23 ug/l

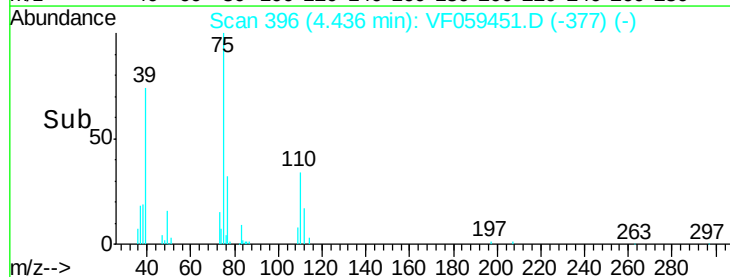
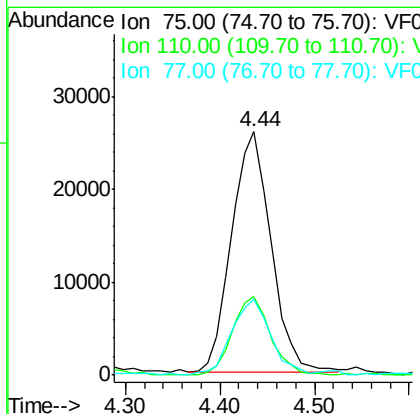
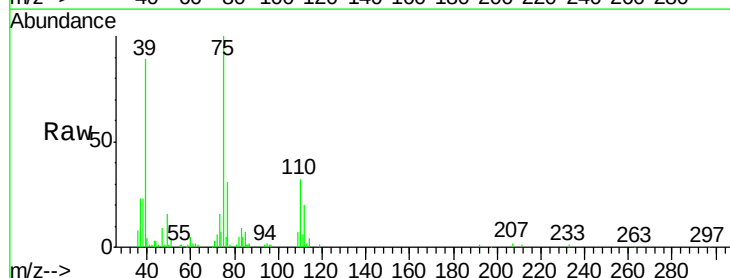
RT: 4.44 min Scan# 396

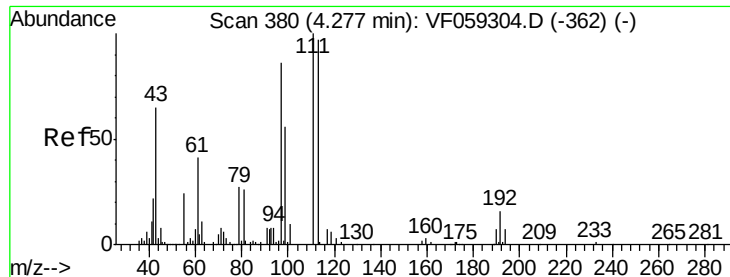
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	75	Resp:	74896
Ion Ratio	Lower	Upper	
75	100		
110	32.1	14.8	44.4
77	31.1	25.2	37.8





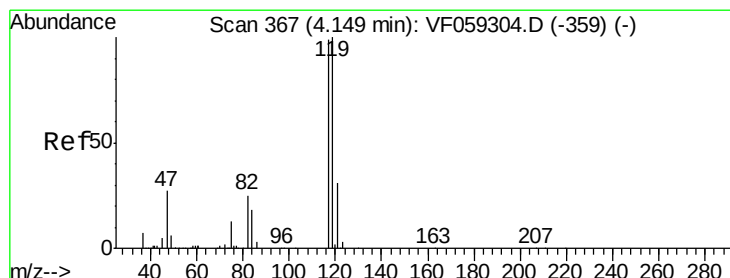
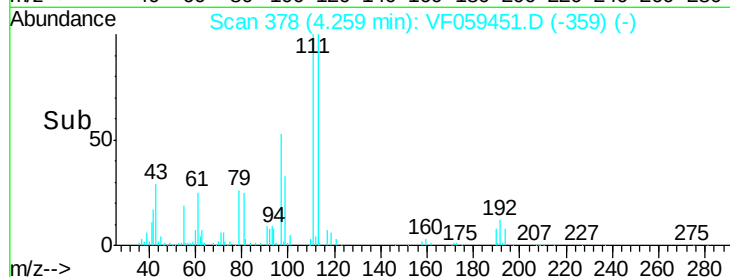
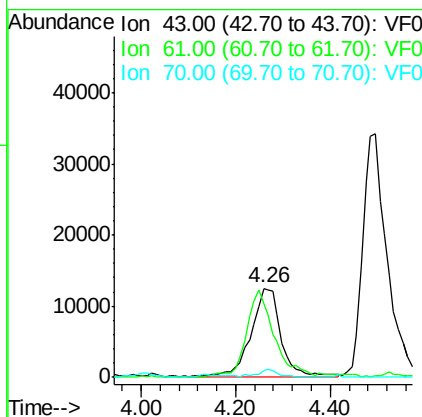
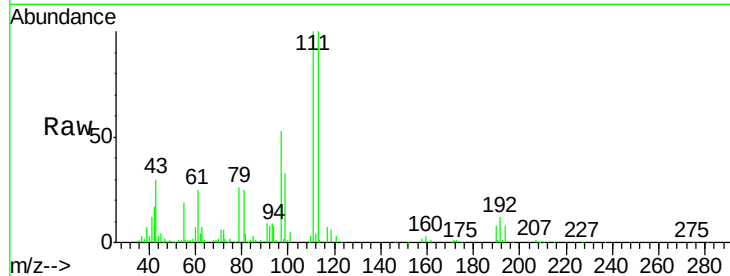
#37
Ethyl Acetate
Concen: 25.45 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp: 56424	100	82.8	8.2			
		50.1	6.2			
			9.4			

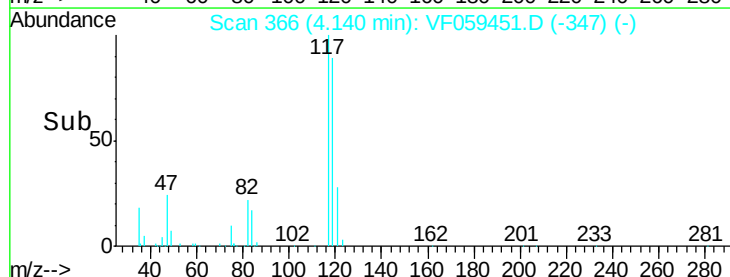
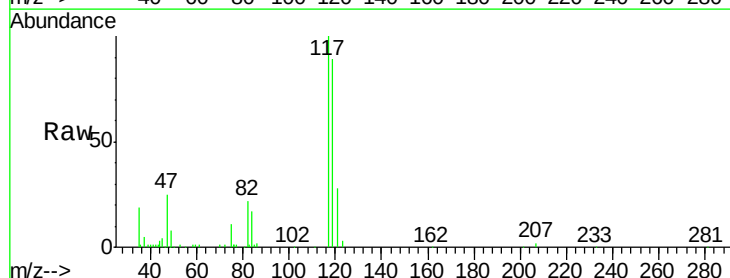
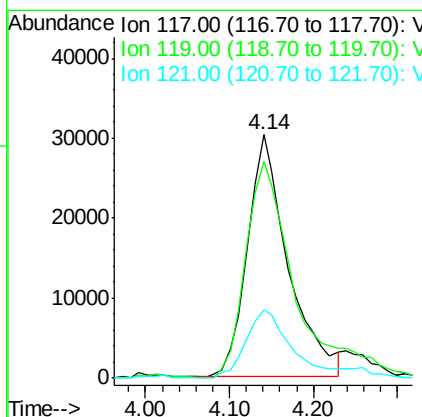
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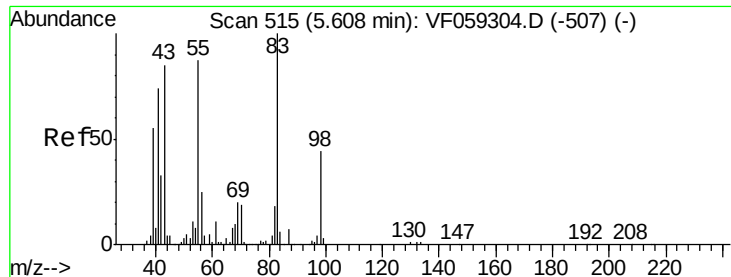
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#38
Carbon Tetrachloride
Concen: 24.23 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp: 103010	100	88.9	27.9			
		81.0	24.7			
			37.1			





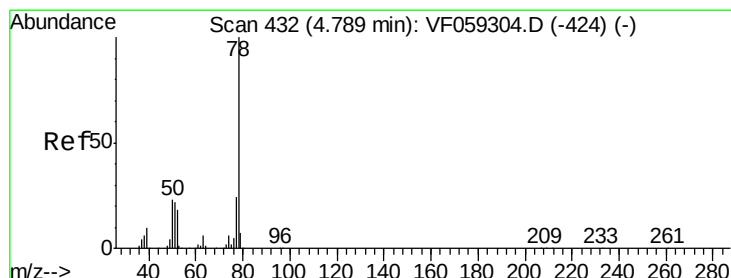
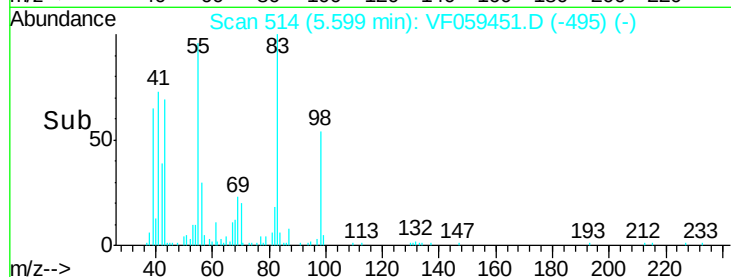
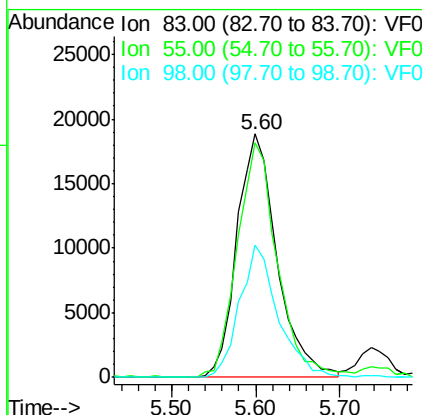
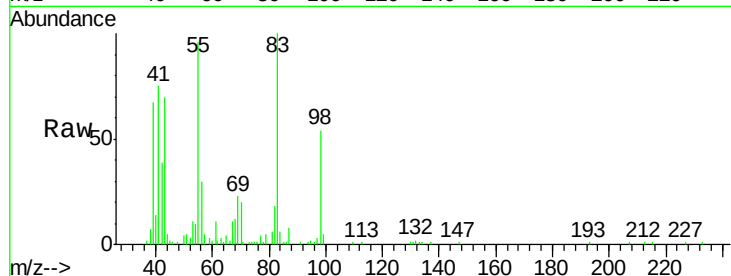
#39
Methylvlcyclohexane
Concen: 21.03 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.4	69.2	103.8
98	54.1	35.0	52.6

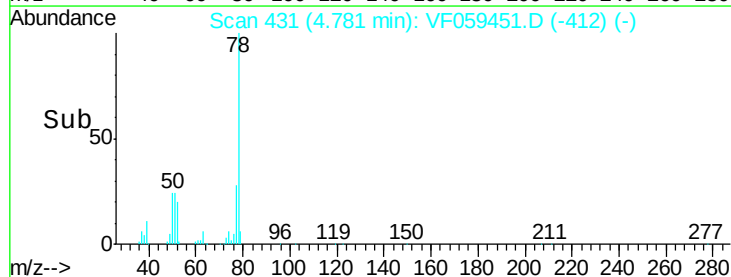
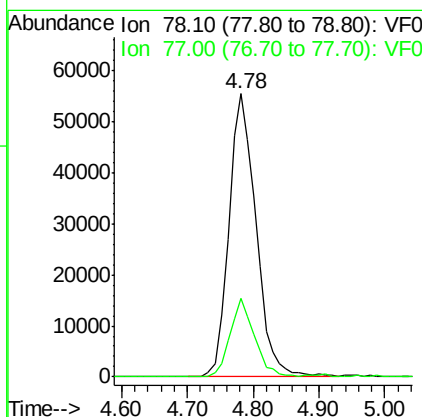
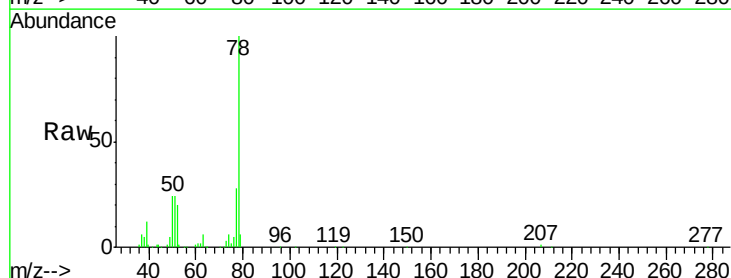
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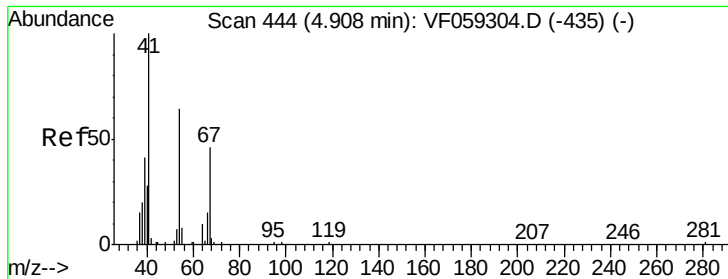
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#40
Benzene
Concen: 21.48 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.8	19.6	29.4





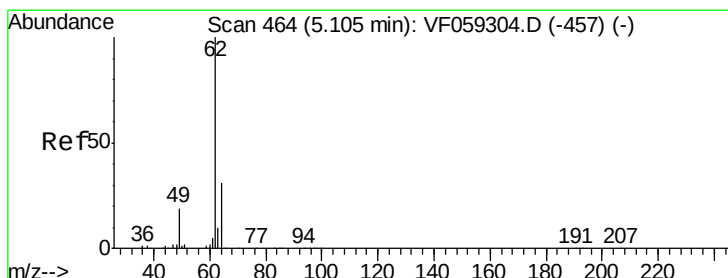
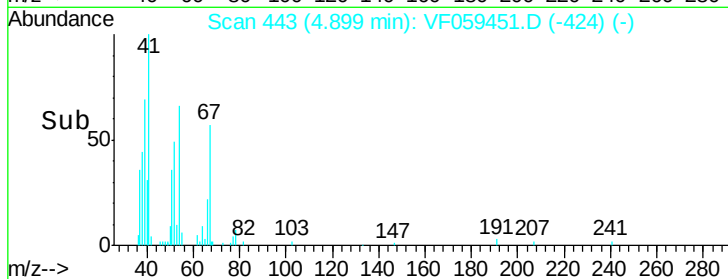
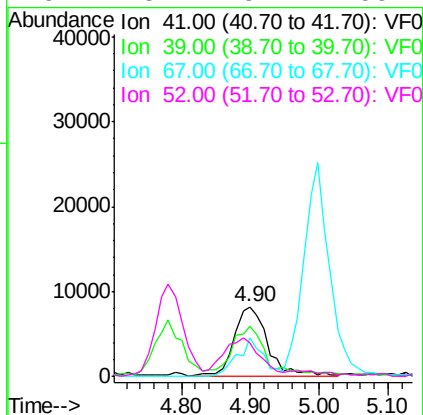
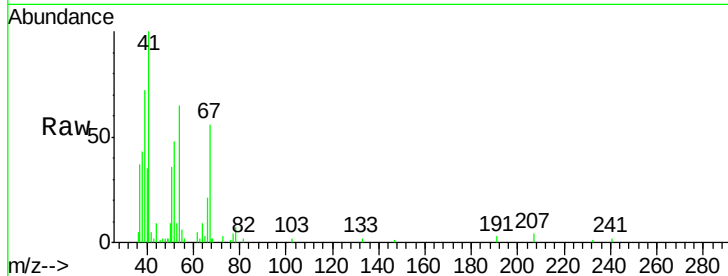
#41
Methacrylonitrile
Concen: 24.02 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion:	41	Resp:	27607
Ion Ratio	Lower	Upper	
41	100		
39	71.7	50.0	75.0
67	56.2	37.0	55.6#
52	48.1	37.1	55.7

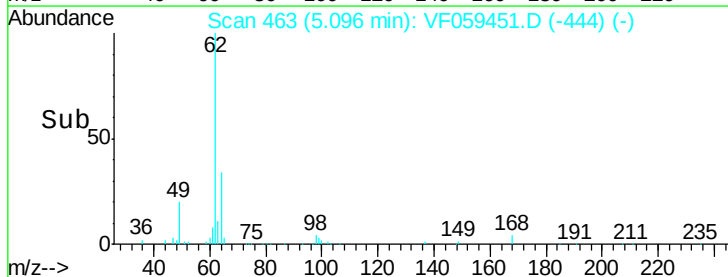
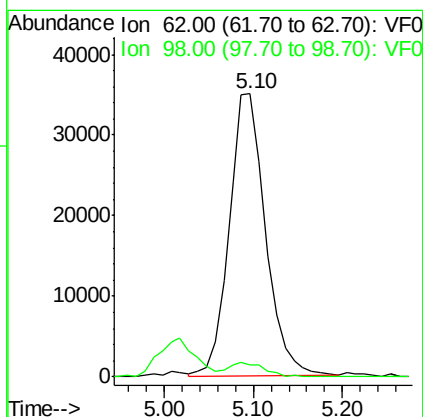
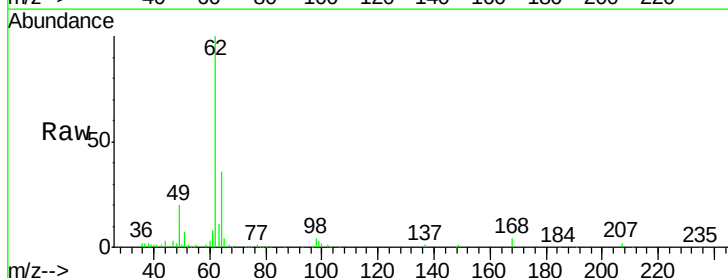
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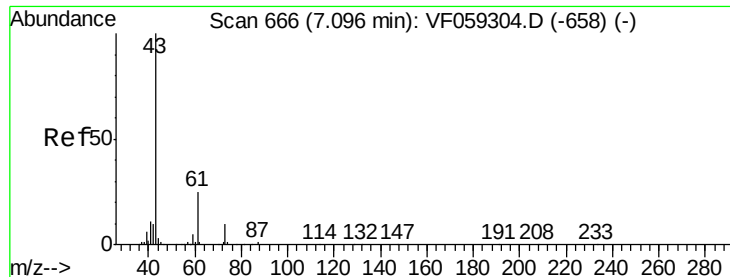
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#42
1,2-Dichloroethane
Concen: 22.75 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion:	62	Resp:	99300
Ion Ratio	Lower	Upper	
62	100		
98	4.1	0.0	11.4





#43

Isopropyl Acetate

Concen: 20.76 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059451.D

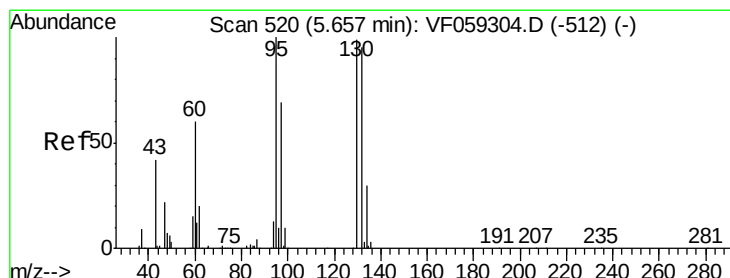
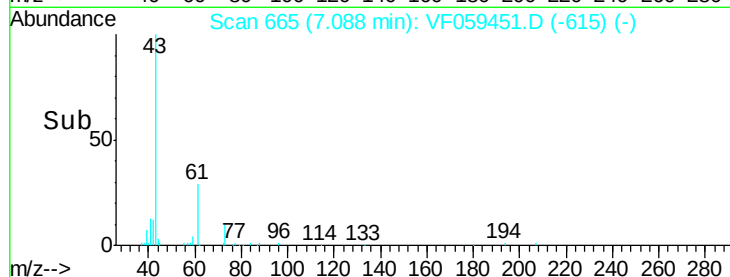
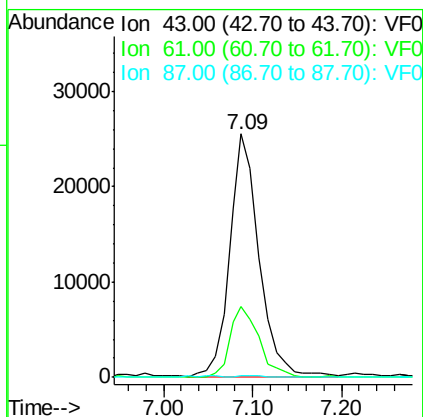
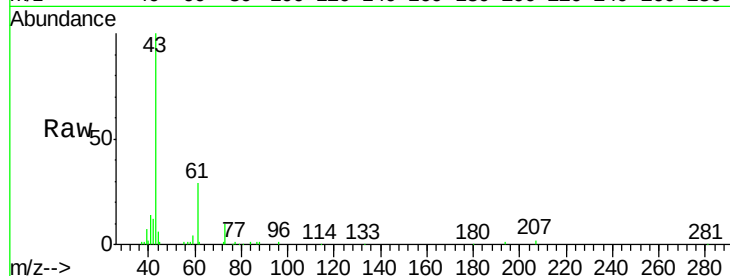
Acq: 6 Jul 2018 16:00

Tot Ion:	43	Resp:	58252
Ion	Ratio	Lower	Upper
43	100		
61	28.9	19.7	29.5
87	0.6	0.5	0.7

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

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#44

Trichloroethene

Concen: 21.77 ug/l

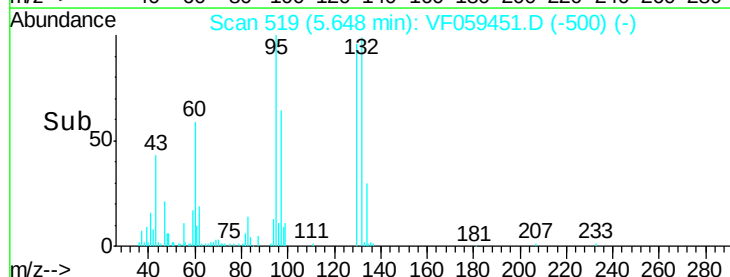
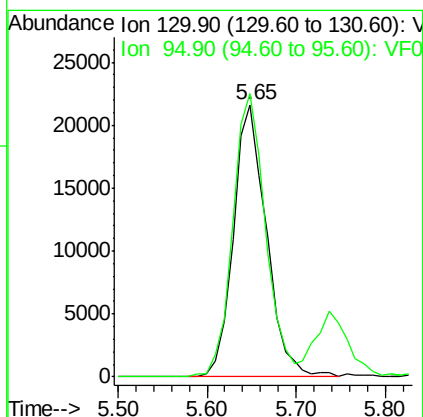
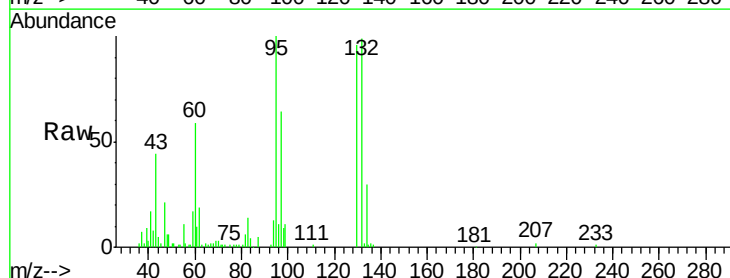
RT: 5.65 min Scan# 519

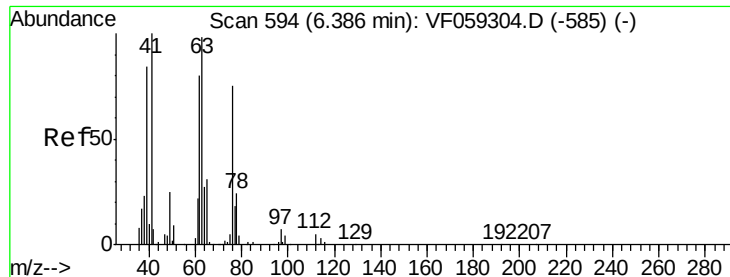
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	130	Resp:	55780
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.75 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 63 Resp: 46409

Ion Ratio Lower Upper

63 100

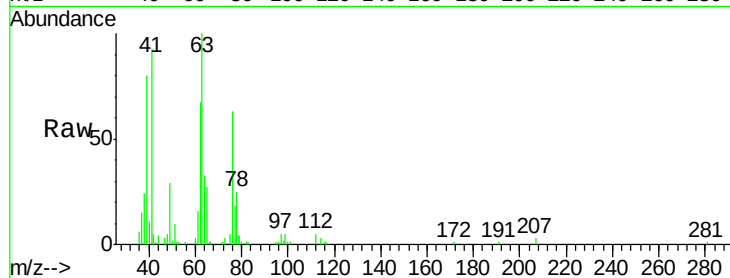
65 27.2 25.3 37.9

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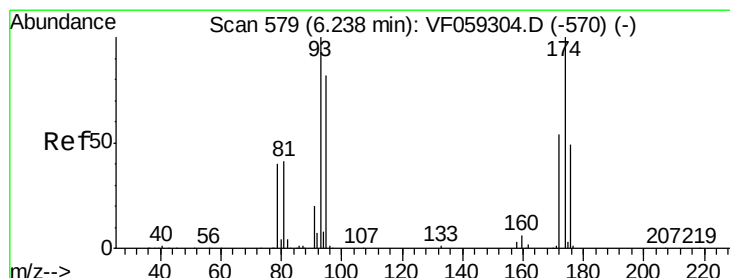
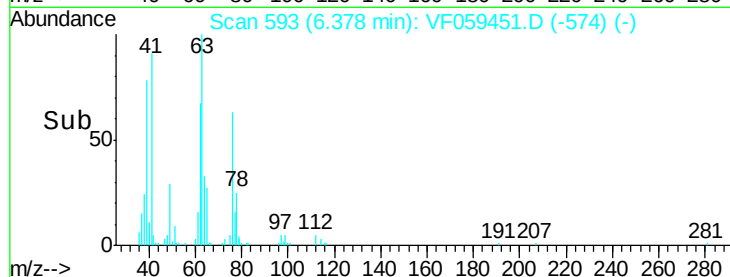
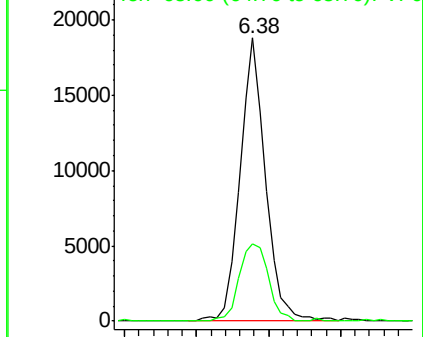
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.38 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

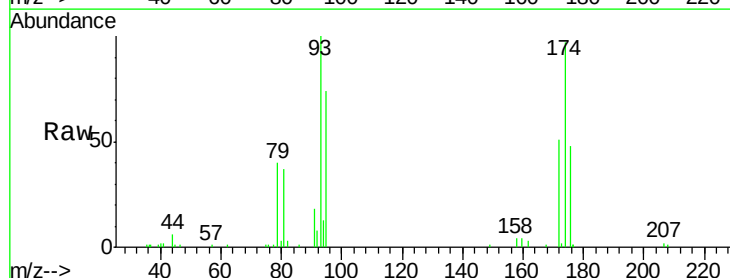
Tgt Ion: 93 Resp: 41459

Ion Ratio Lower Upper

93 100

95 74.1 65.6 98.4

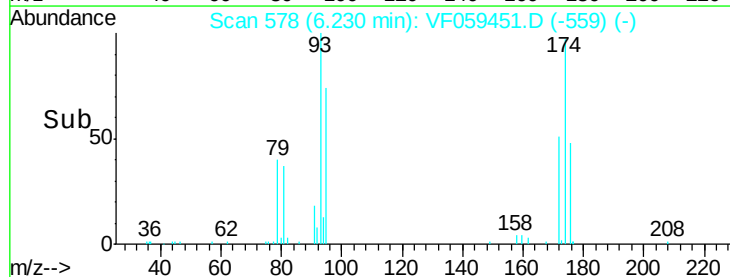
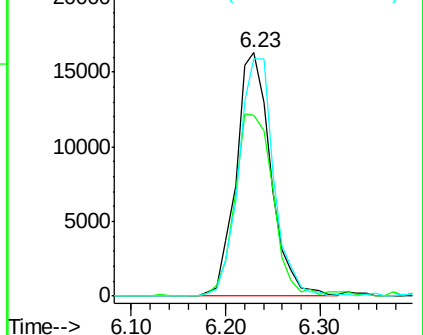
174 97.2 80.0 120.0

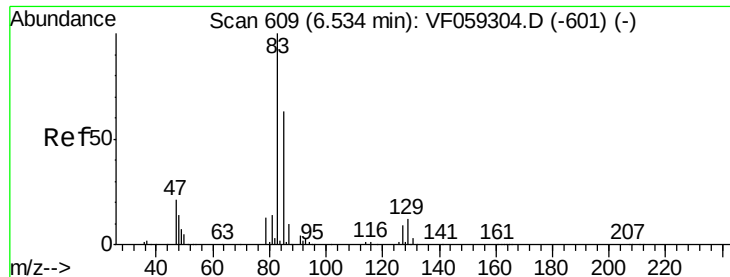


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.11 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

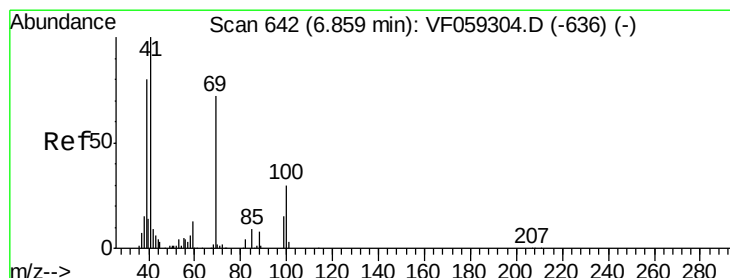
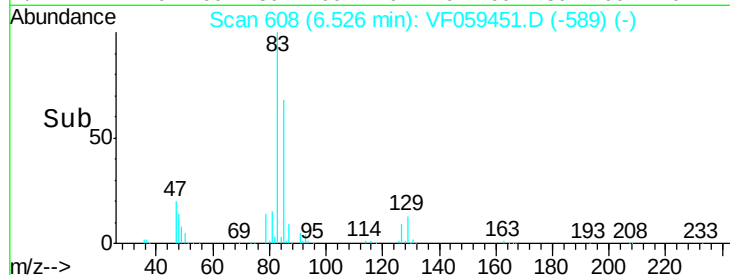
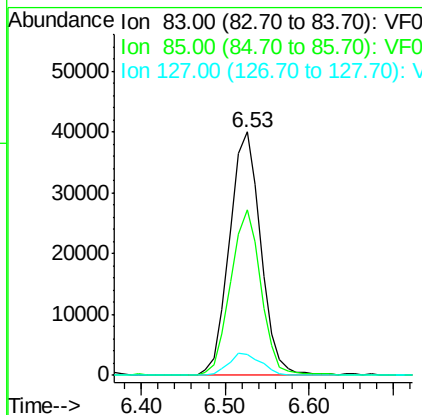
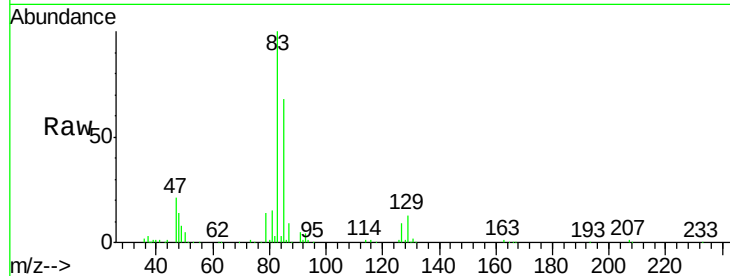
ClientSampleId :

VF0706SBS01

Tot Ion:	83	Resp:	103636
Ion	Ratio	Lower	Upper
83	100		
85	68.1	50.2	75.2
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.38 ug/l

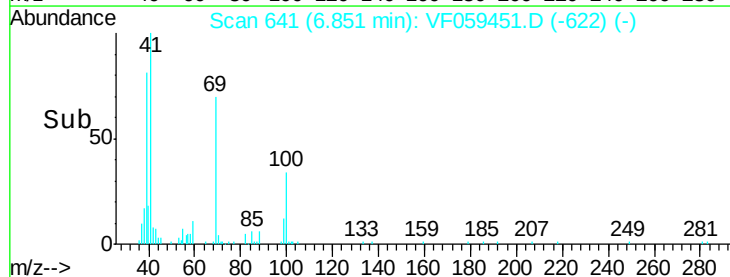
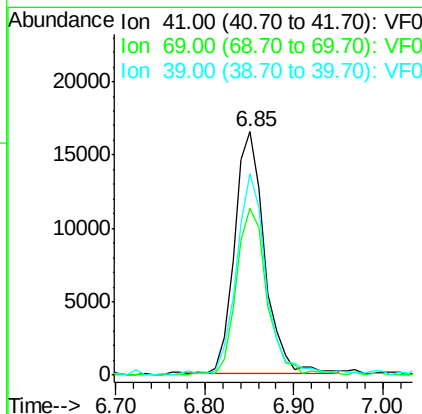
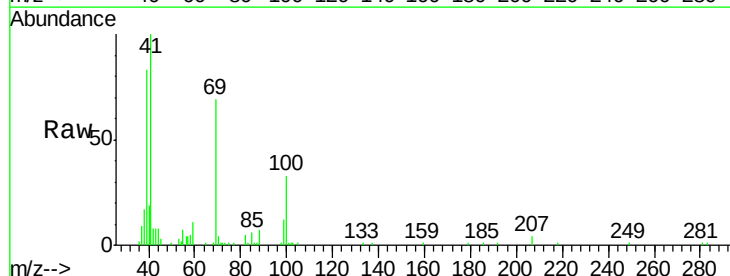
RT: 6.85 min Scan# 641

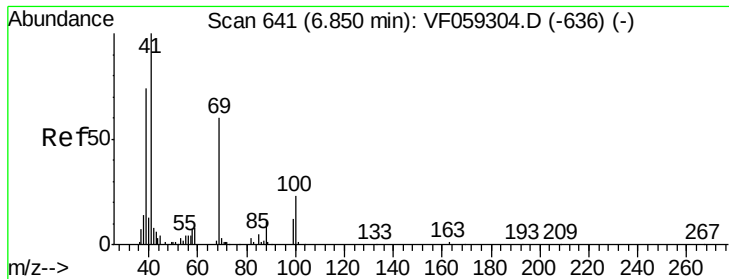
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	41	Resp:	38340
Ion	Ratio	Lower	Upper
41	100		
69	68.5	57.3	85.9
39	82.6	64.4	96.6





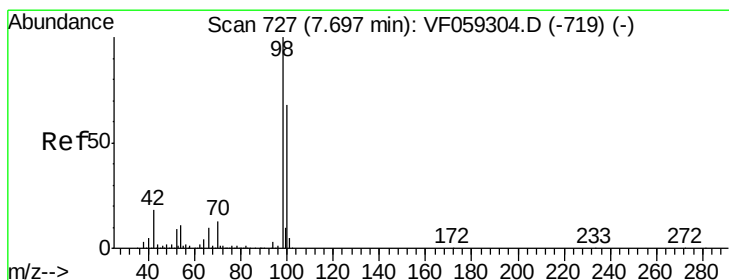
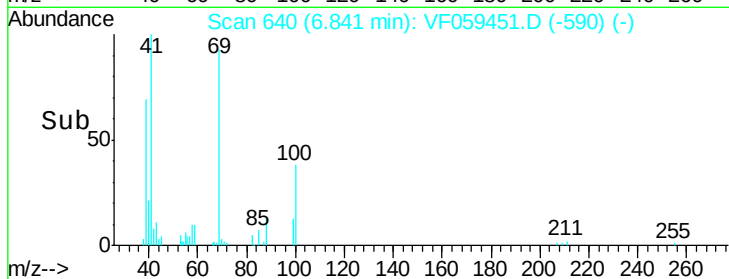
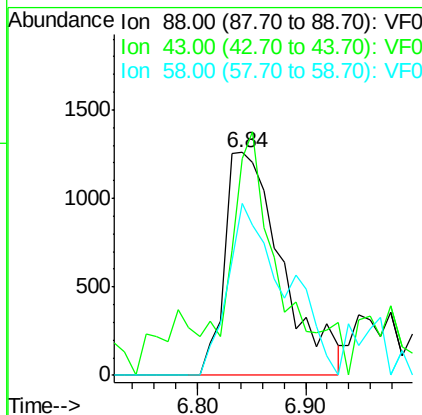
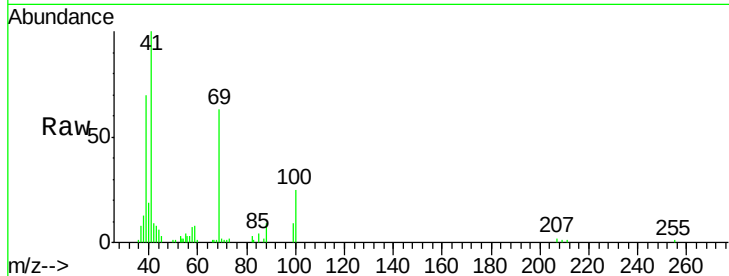
#49
1,4-Dioxane
Concen: 436.71 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	97.2	50.6	75.8#
58	77.4	46.6	69.8#

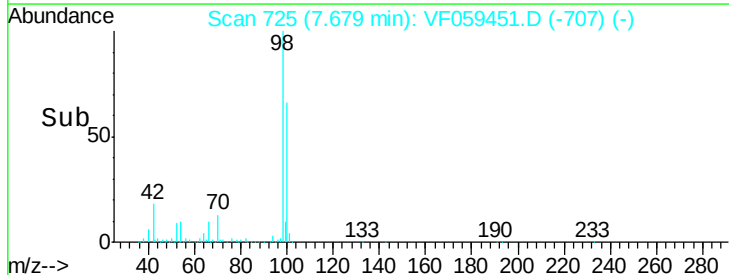
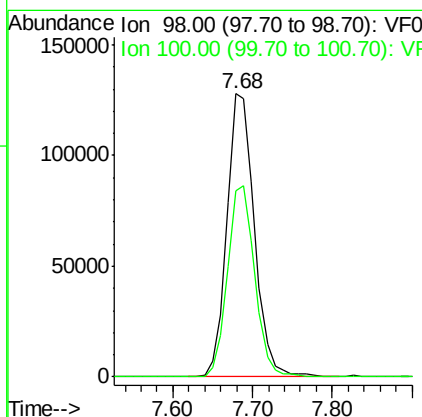
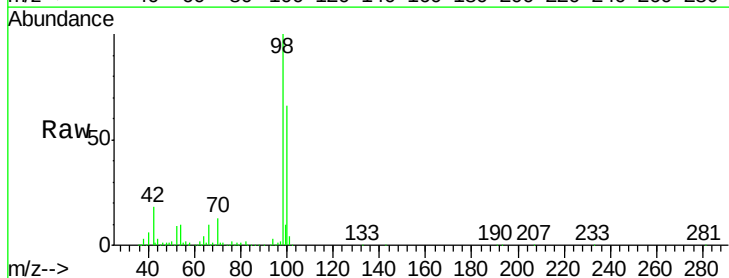
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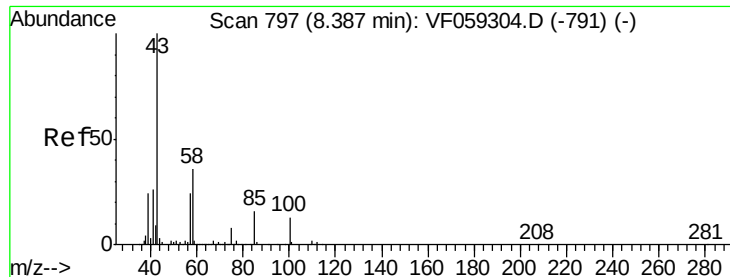
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#50
Toluene-d8
Concen: 44.54 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 111.46 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 43 Resp: 231719

Ion Ratio Lower Upper

43 100

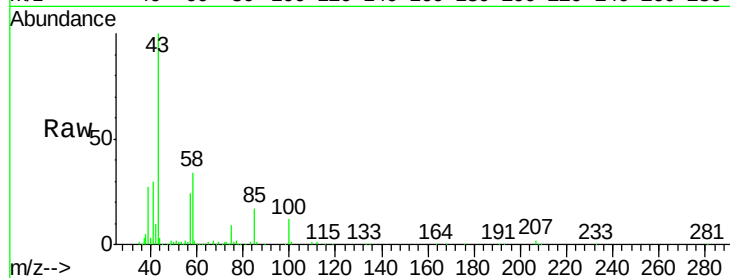
58 33.6 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

100000

80000

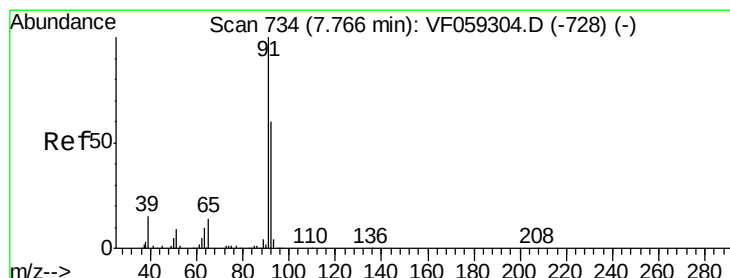
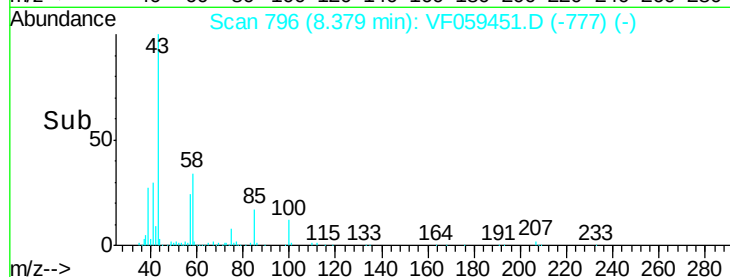
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50



#52

Toluene

Concen: 21.04 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059451.D

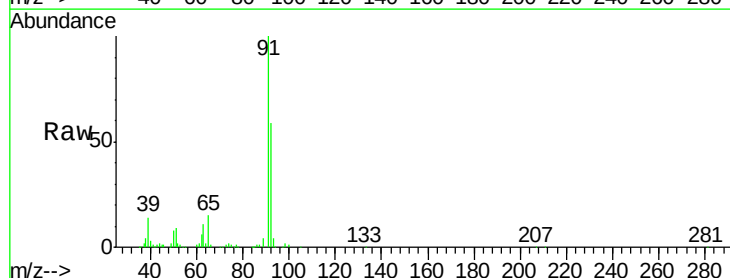
Acq: 6 Jul 2018 16:00

Tgt Ion: 92 Resp: 117627

Ion Ratio Lower Upper

92 100

91 168.5 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

100000

80000

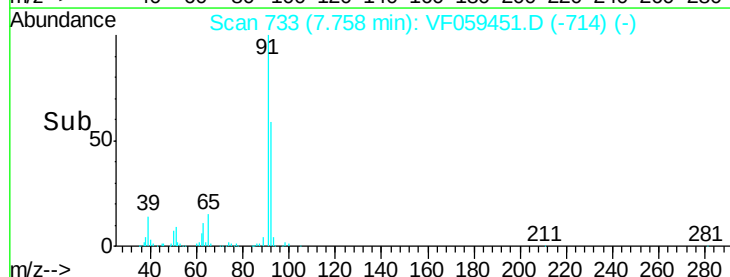
60000

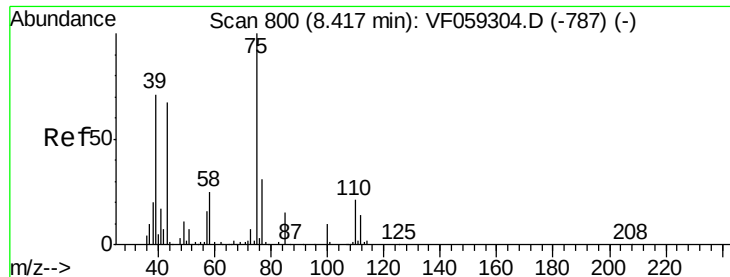
40000

20000

0

Time--> 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 23.02 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 75 Resp: 94094

Ion Ratio Lower Upper

75 100

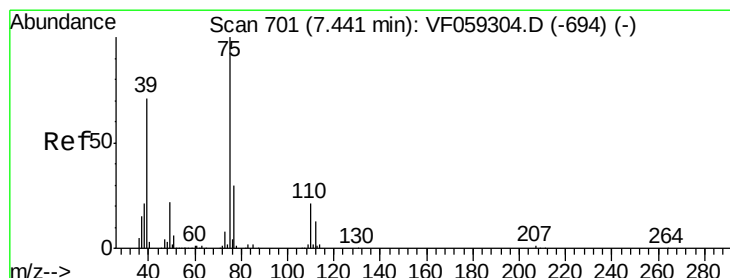
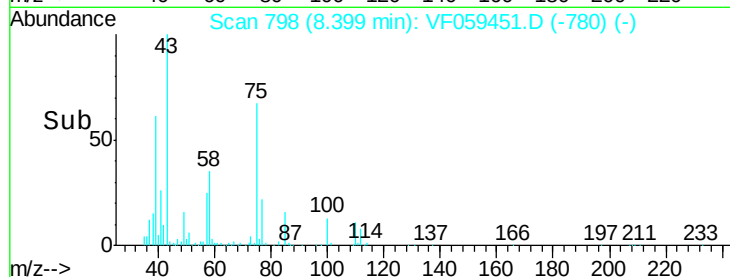
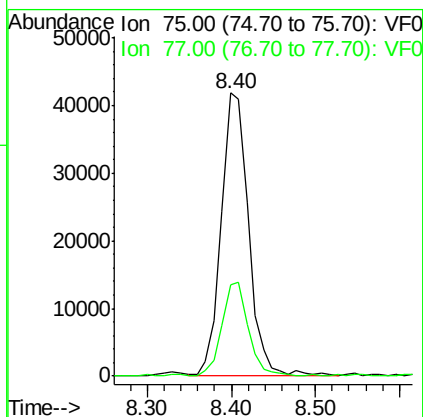
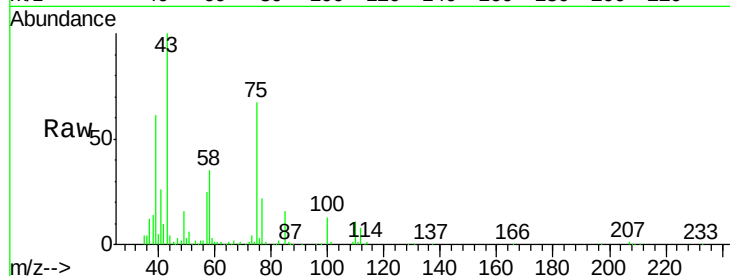
77 32.5 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.73 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

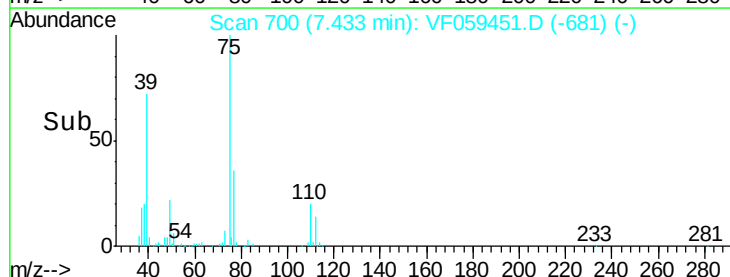
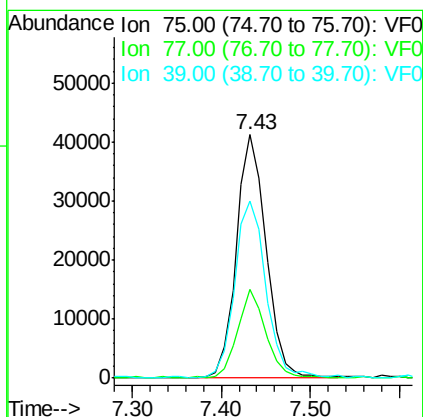
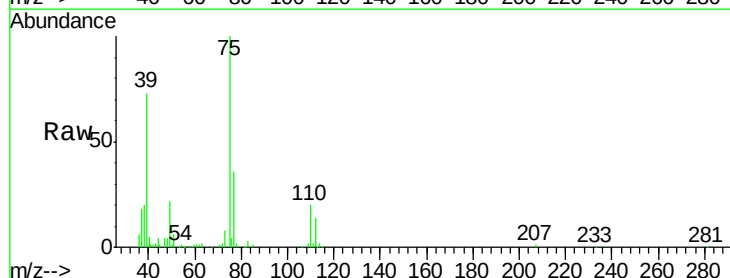
Tgt Ion: 75 Resp: 96454

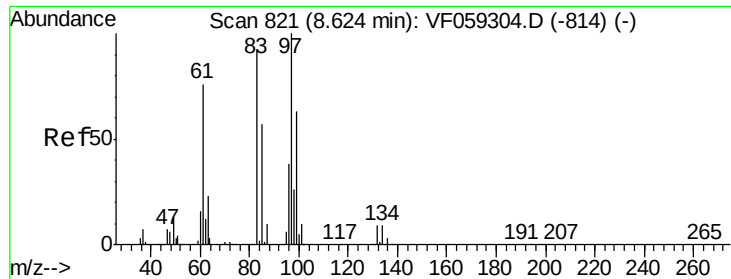
Ion Ratio Lower Upper

75 100

77 36.3 24.3 36.5

39 72.5 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.90 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

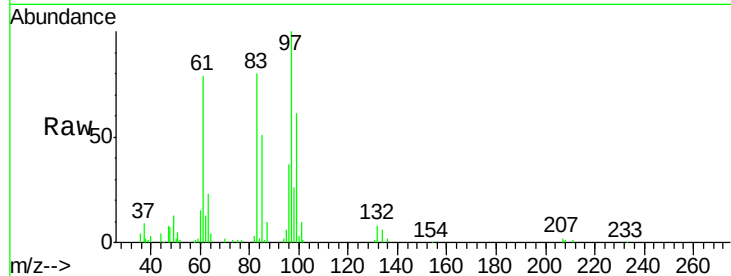
VF0706SBS01

Tot Ion:	97	Resp:	47525
Ion	Ratio	Lower	Upper
97	100		
83	80.1	73.8	110.8
85	51.1	45.5	68.3
99	61.4	50.7	76.1

Manual Integrations
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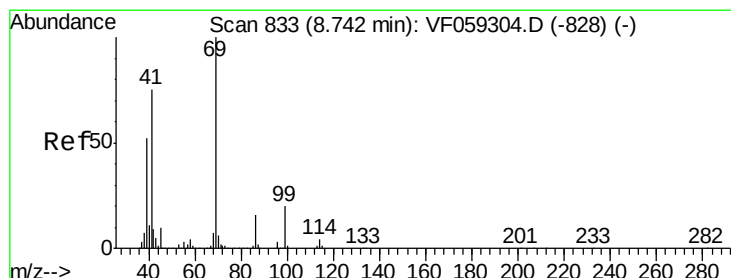
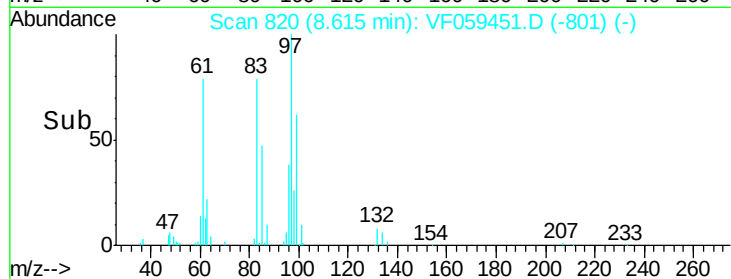
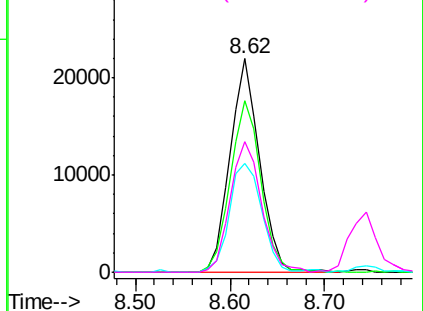


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.05 ug/l

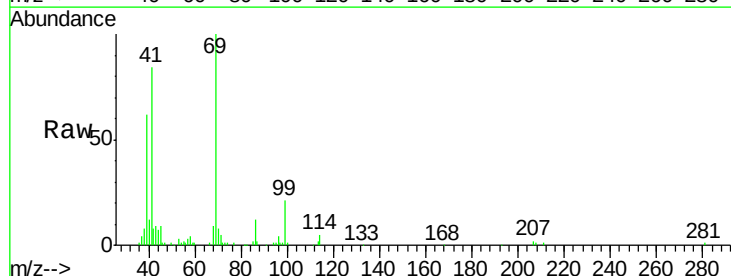
RT: 8.73 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

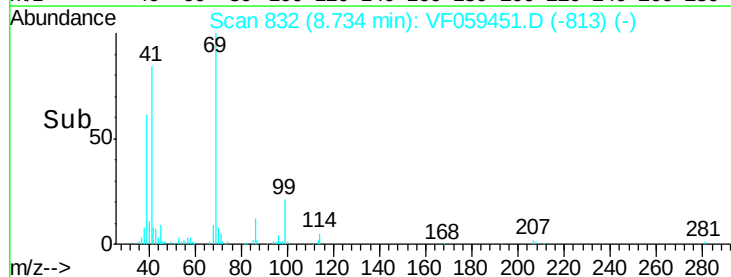
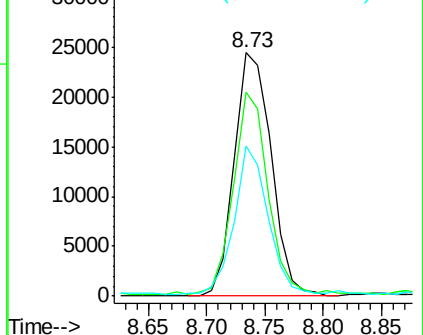
Tgt Ion:	69	Resp:	53900
Ion	Ratio	Lower	Upper
69	100		
41	83.6	60.3	90.5
39	61.5	42.2	63.4

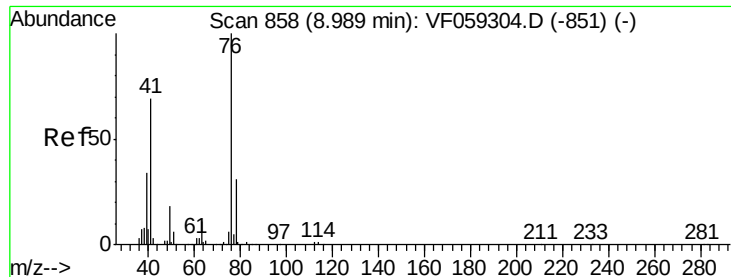


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.22 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 76 Resp: 78981

Ion Ratio Lower Upper

76 100

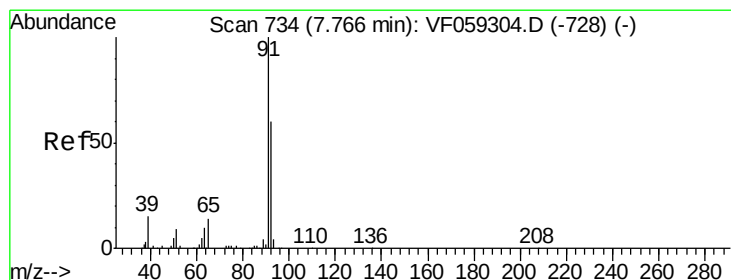
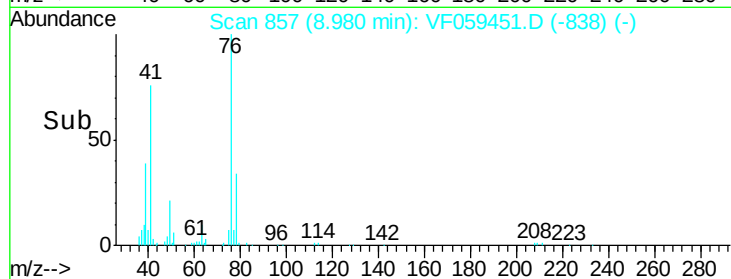
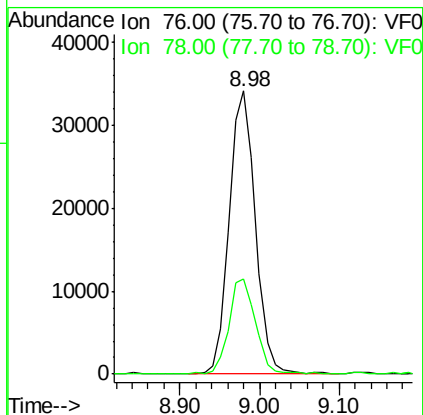
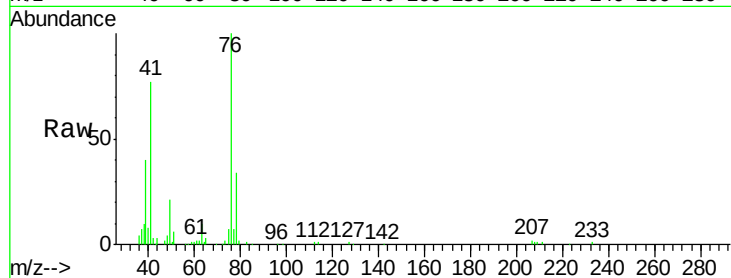
78 33.9 24.9 37.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 117.60 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059451.D

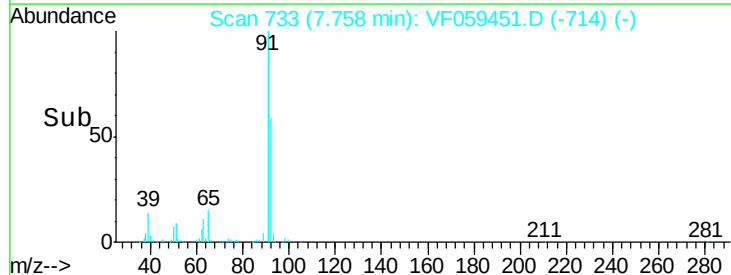
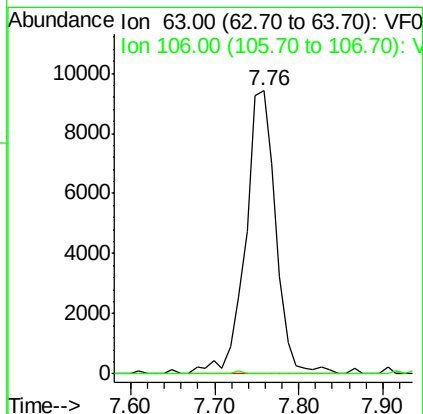
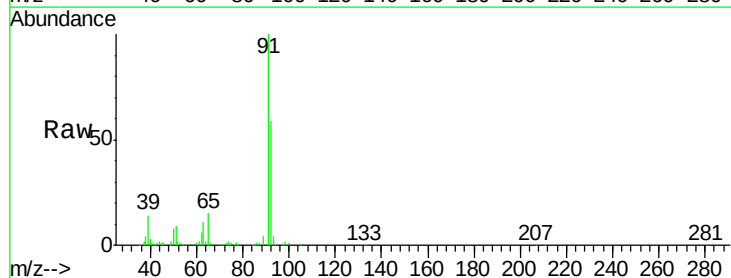
Acq: 6 Jul 2018 16:00

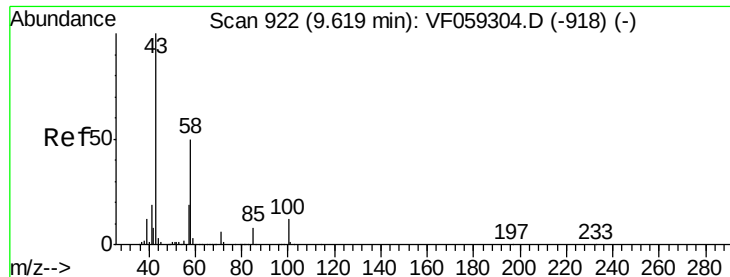
Tgt Ion: 63 Resp: 23712

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





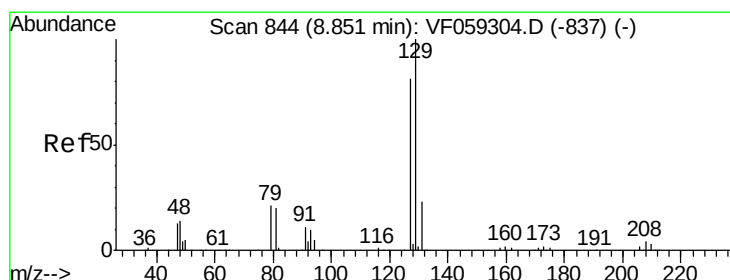
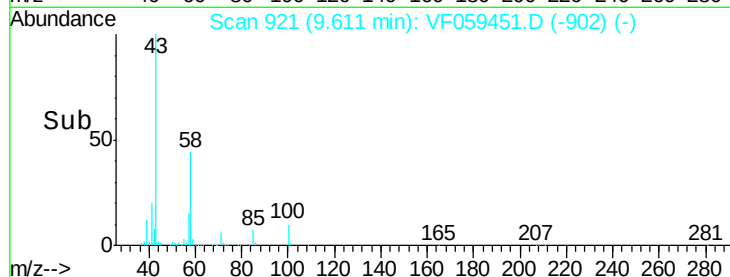
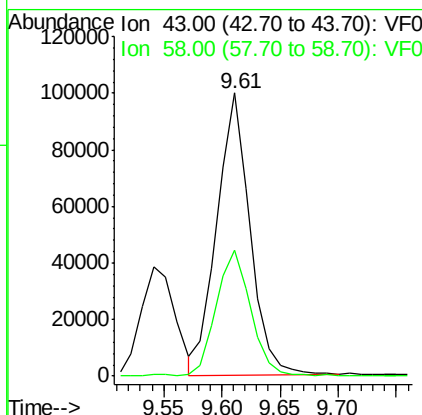
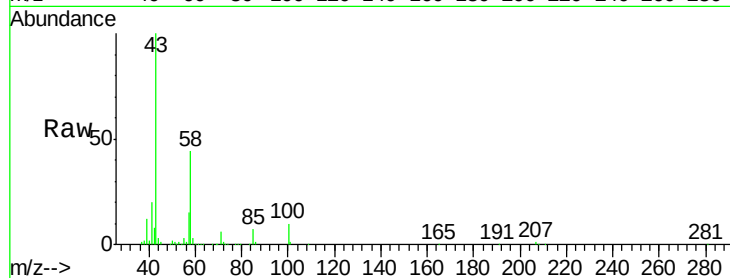
#59
2-Hexanone
Concen: 116.97 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion: 43 Resp: 196732
Ion Ratio Lower Upper
43 100
58 44.3 23.3 69.9

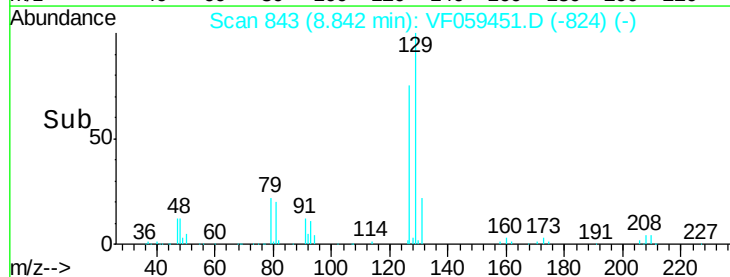
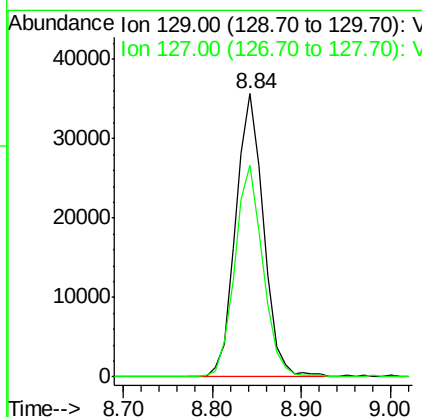
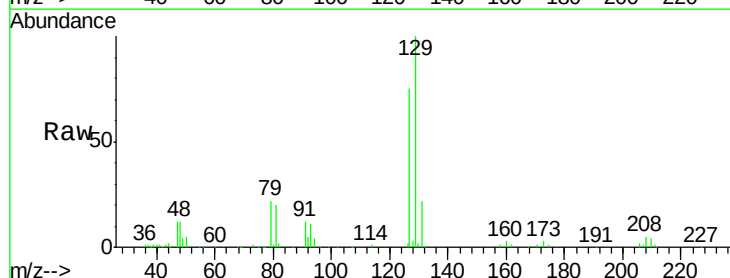
Manual Integrations
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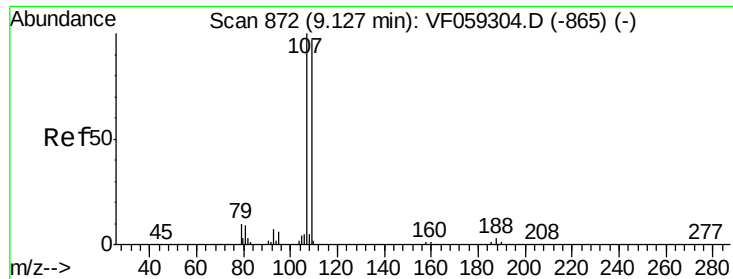
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#60
Dibromochloromethane
Concen: 23.31 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion:129 Resp: 78088
Ion Ratio Lower Upper
129 100
127 74.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 21.55 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion:107 Resp: 56713

Ion Ratio Lower Upper

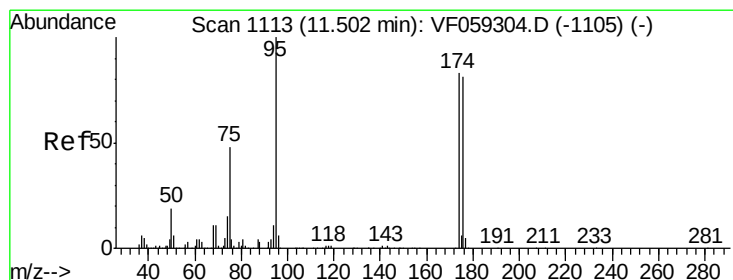
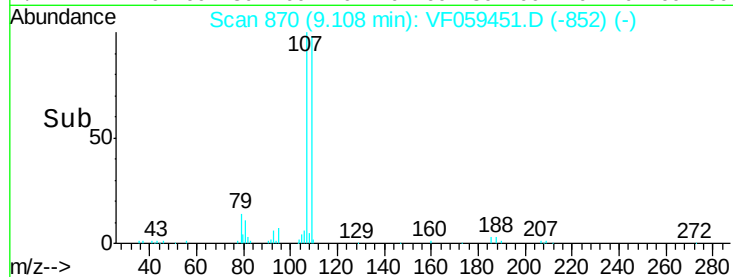
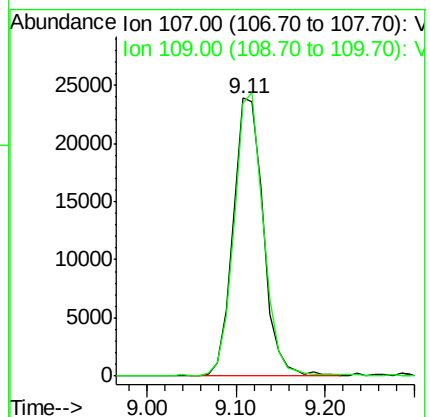
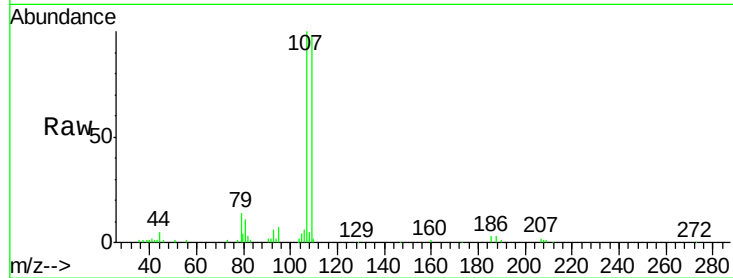
107 100

109 98.2 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 48.73 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

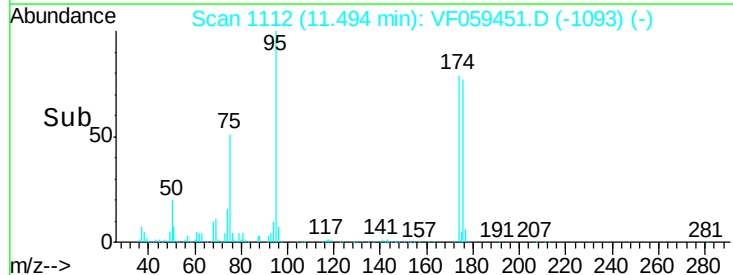
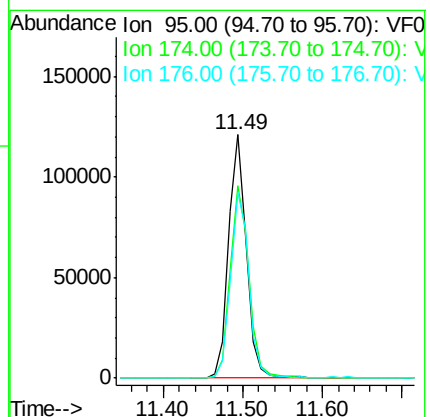
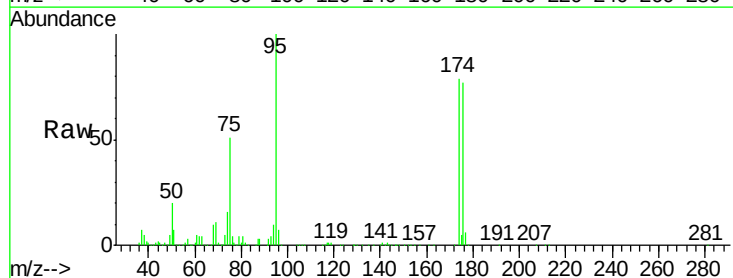
Tgt Ion: 95 Resp: 191797

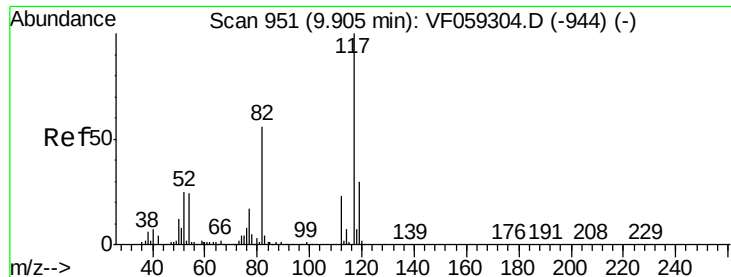
Ion Ratio Lower Upper

95 100

174 78.8 0.0 165.2

176 76.5 0.0 161.0





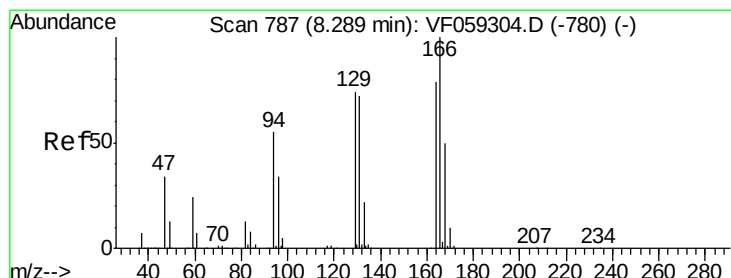
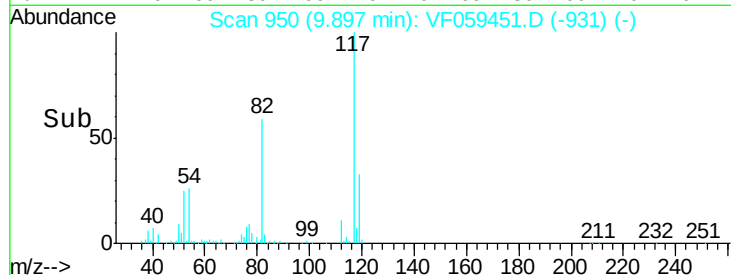
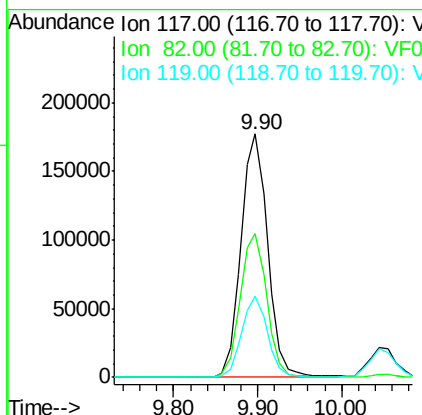
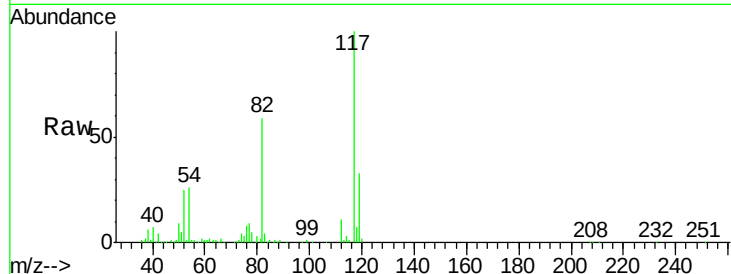
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	392523		
82	59.1		44.6	66.8
119	33.4		24.1	36.1

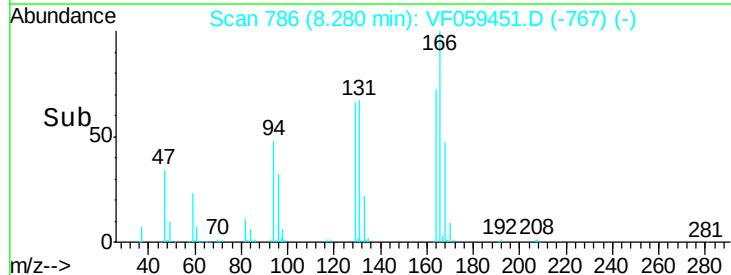
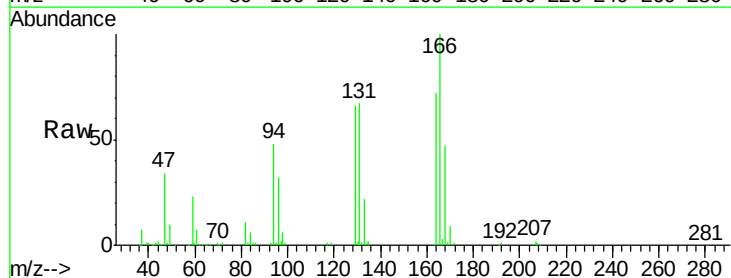
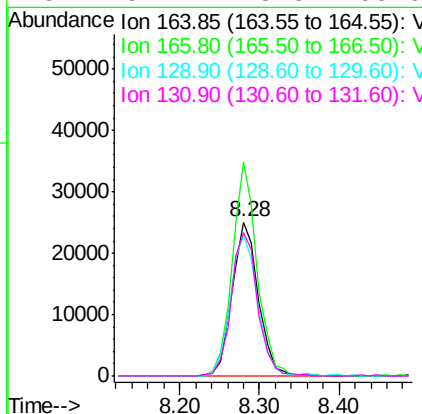
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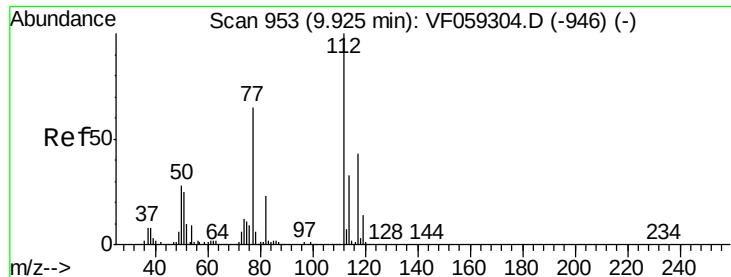
apatel
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#64
Tetrachloroethene
Concen: 22.54 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57377		
166	138.6		101.1	151.7
129	91.7		75.0	112.4
131	92.7		73.3	109.9





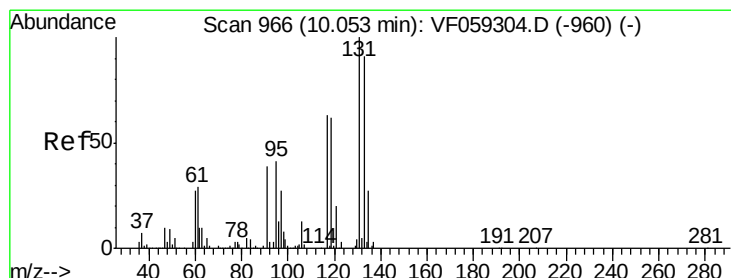
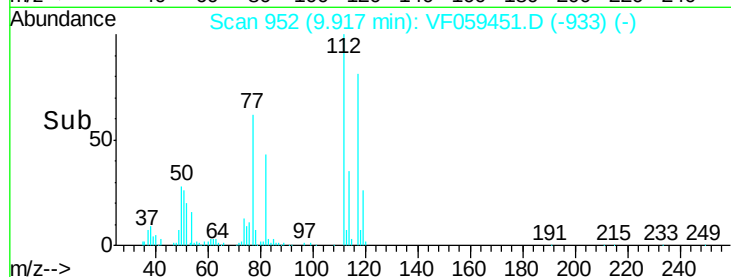
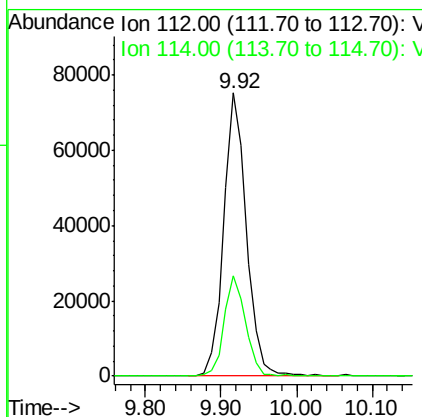
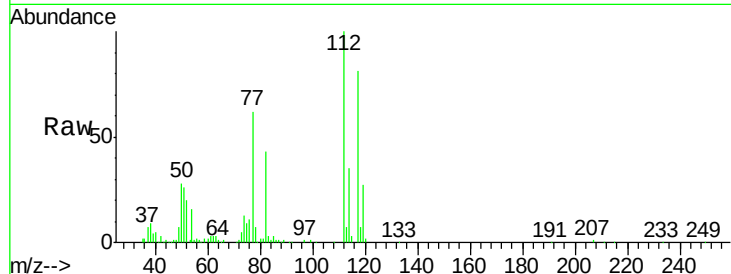
#65
Chlorobenzene
Concen: 21.47 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.5	26.5	39.7

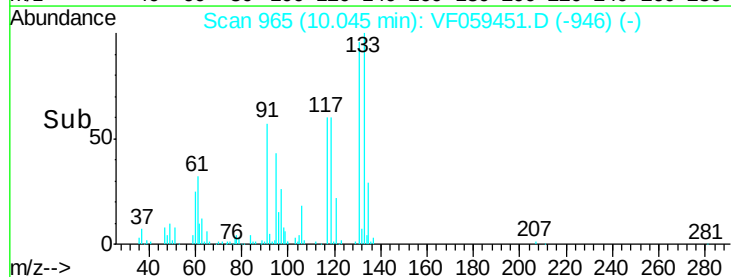
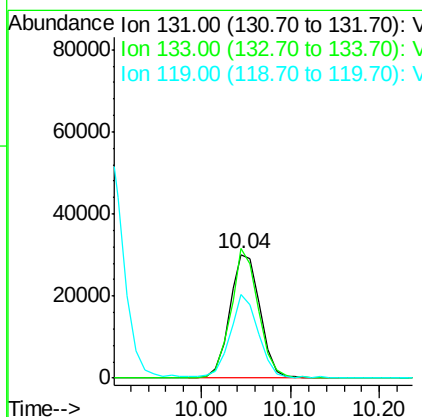
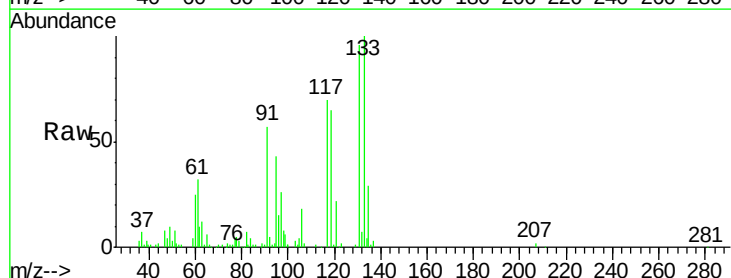
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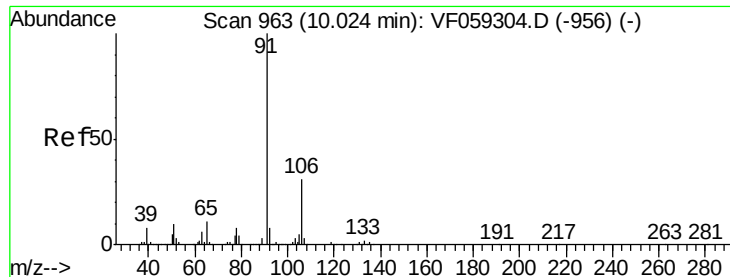
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.83 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	104.6	45.3	135.9
119	67.8	31.3	93.9





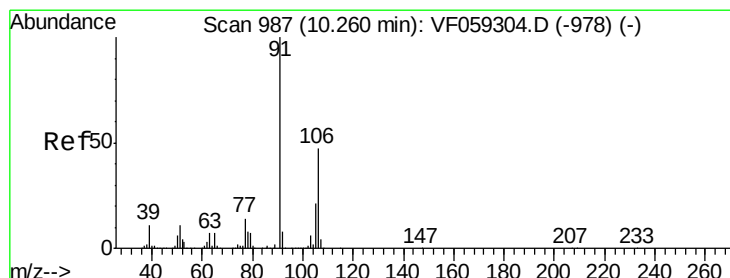
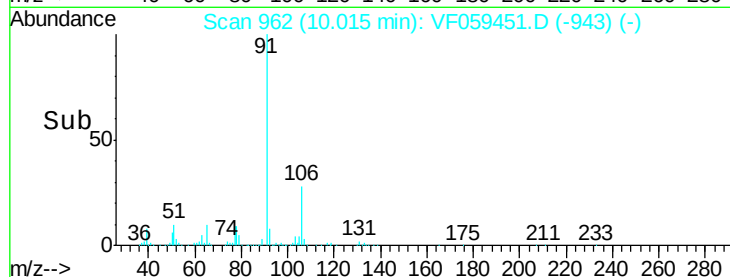
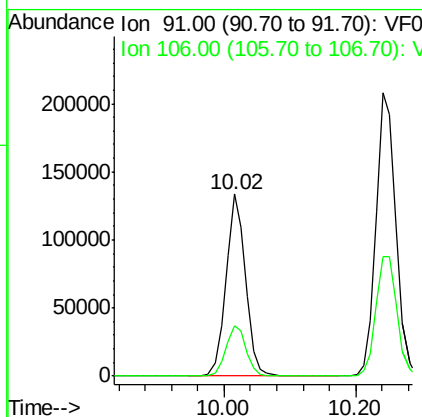
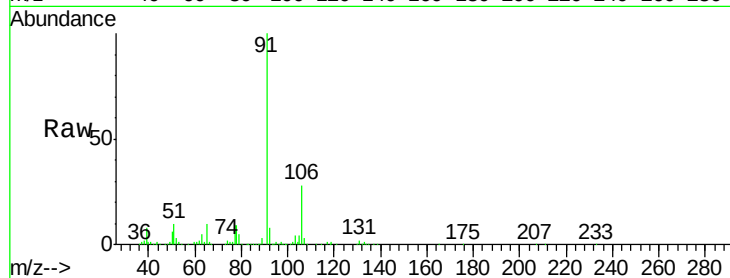
#67
Ethyl Benzene
Concen: 22.47 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion: 91 Resp: 277280
Ion Ratio Lower Upper
91 100
106 27.9 24.8 37.2

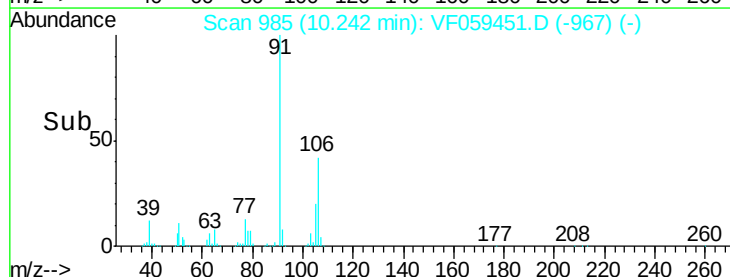
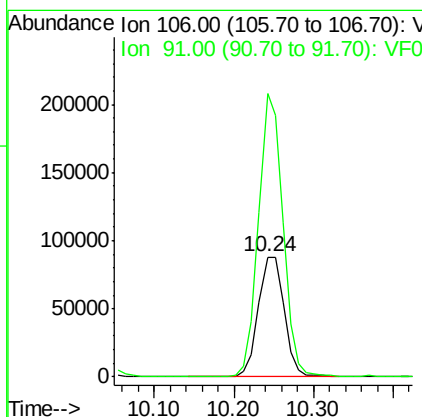
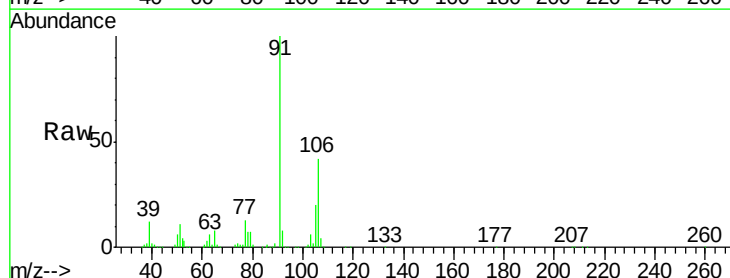
Manual Integrations
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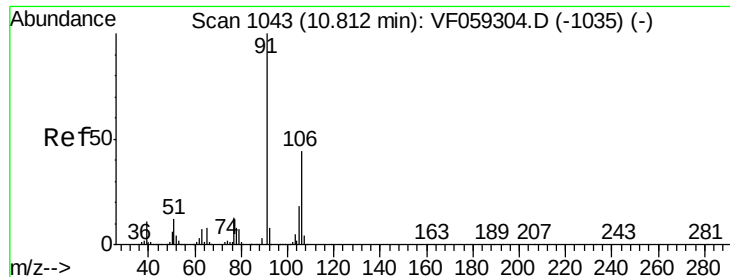
apatel
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#68
m/p-Xylenes
Concen: 44.99 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion: 106 Resp: 197585
Ion Ratio Lower Upper
106 100
91 235.8 170.8 256.2





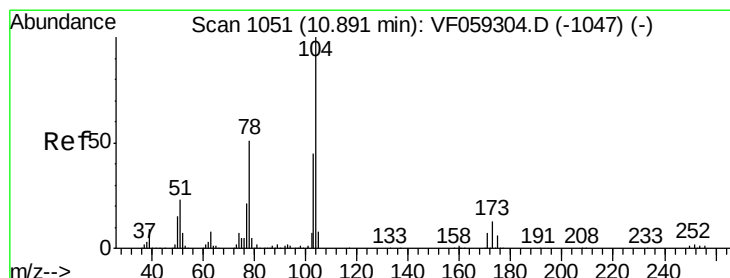
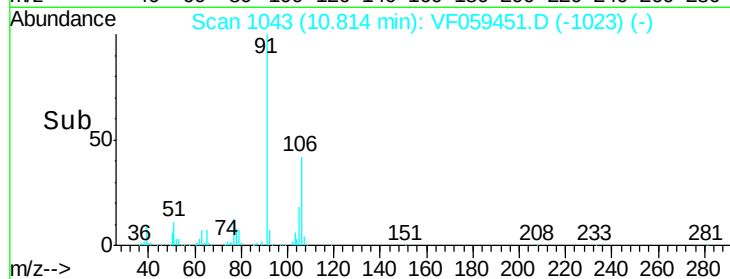
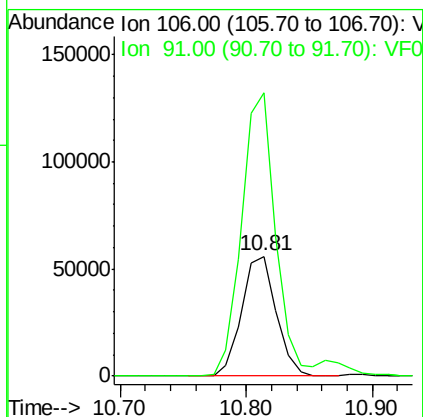
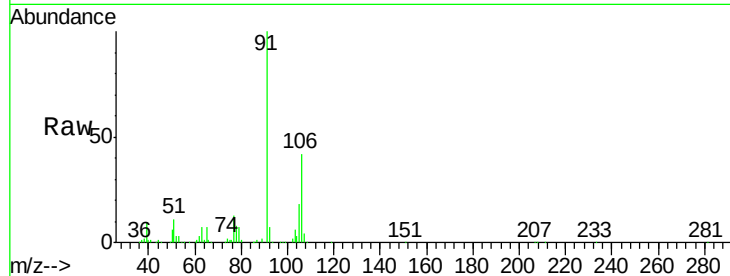
#69
o-Xylene
Concen: 21.80 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampled :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.6	114.6	343.6

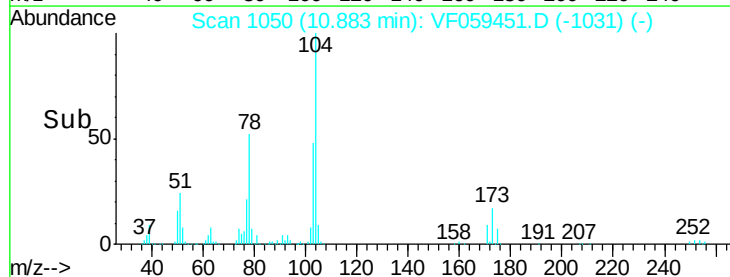
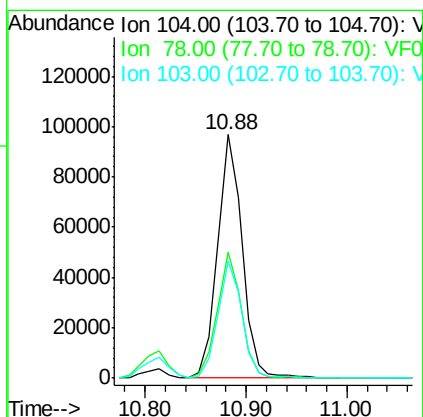
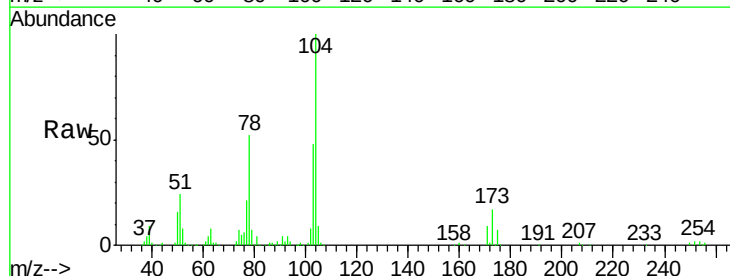
Manual Integrations
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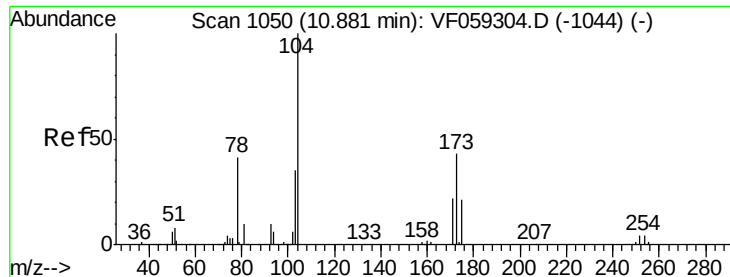
apatel
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#70
Styrene
Concen: 22.11 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	40.9	61.3
103	47.8	36.5	54.7





#71

Bromoform

Concen: 22.51 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

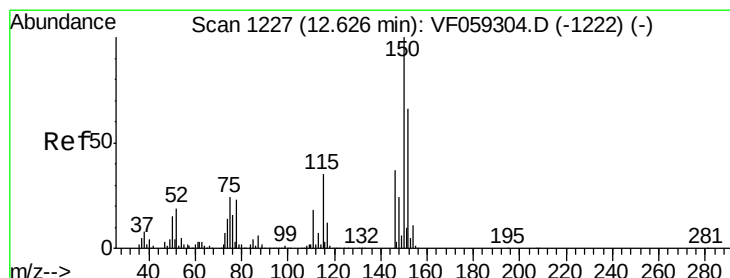
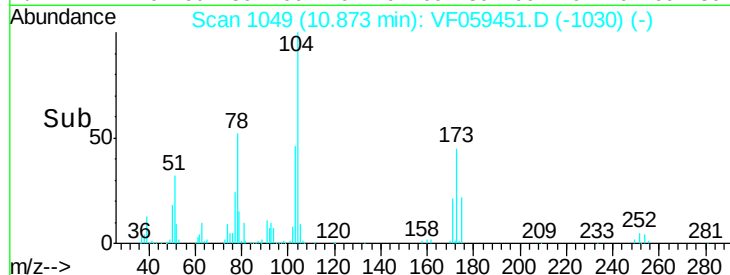
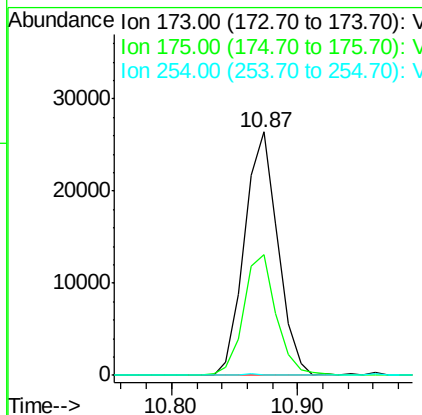
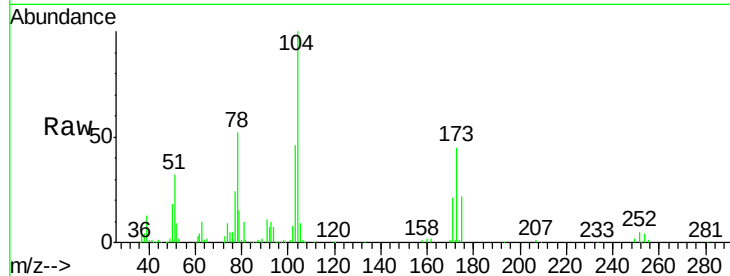
ClientSampleId :

VF0706SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

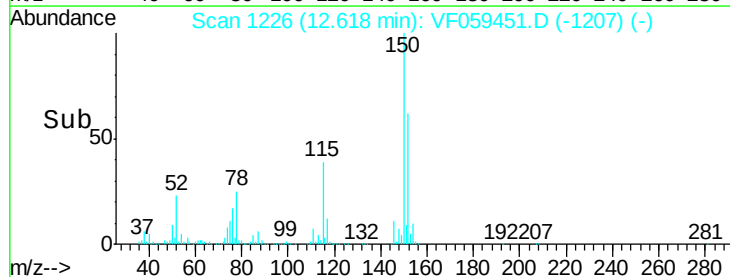
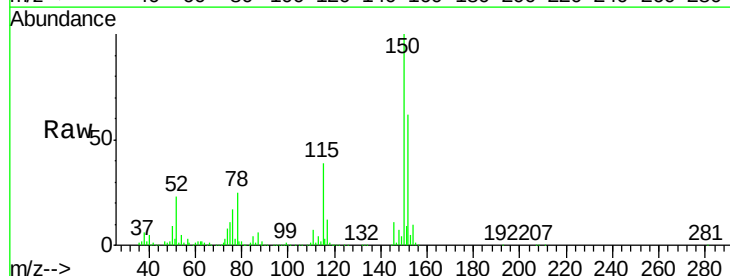
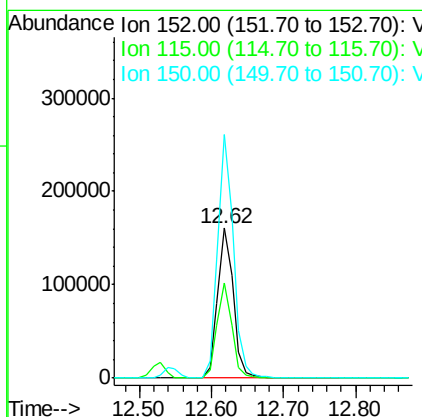
RT: 12.62 min Scan# 1226

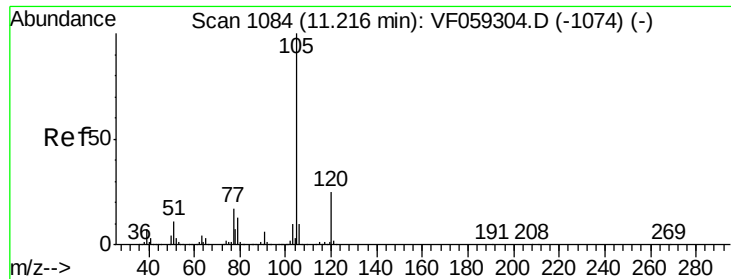
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	27.1	81.3
150	162.4	0.0	305.2





#73

Isopropylbenzene

Concen: 23.80 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion:105 Resp: 330721

Ion Ratio Lower Upper

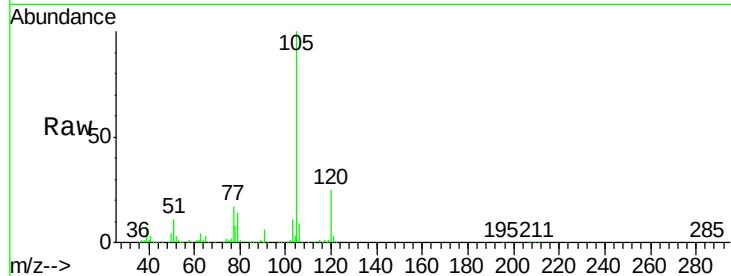
105 100

120 25.4 12.3 36.8

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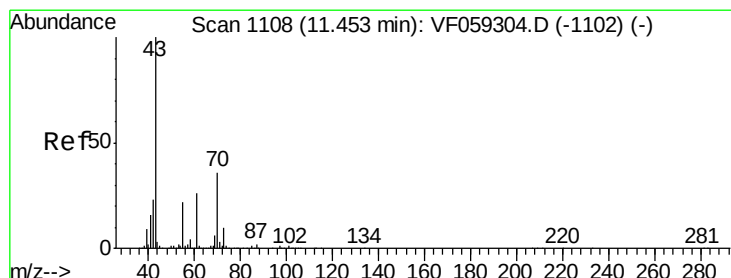
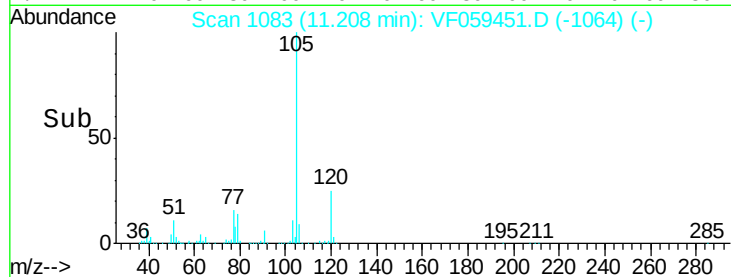
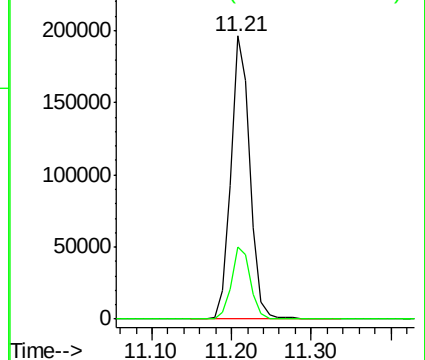
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.29 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion: 43 Resp: 112402

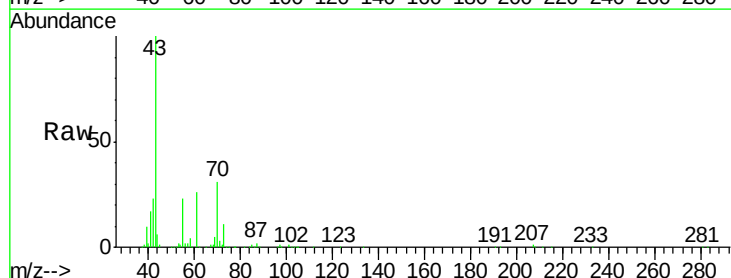
Ion Ratio Lower Upper

43 100

70 31.5 28.8 43.2

55 22.5 17.4 26.0

61 26.4 21.1 31.7

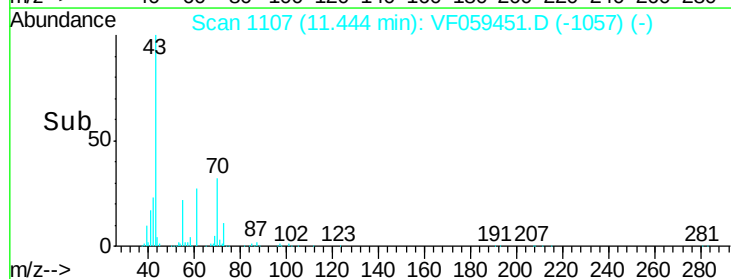
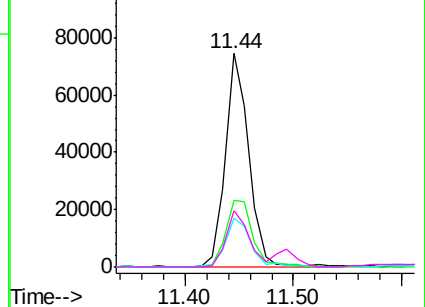


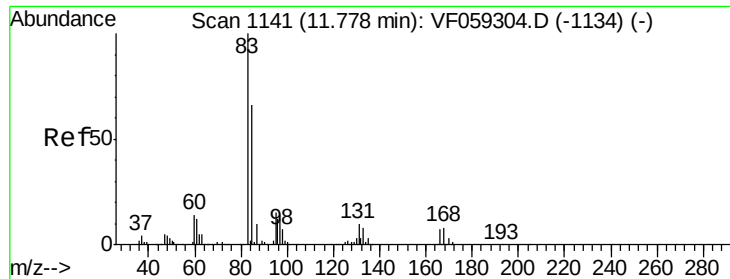
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.90 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

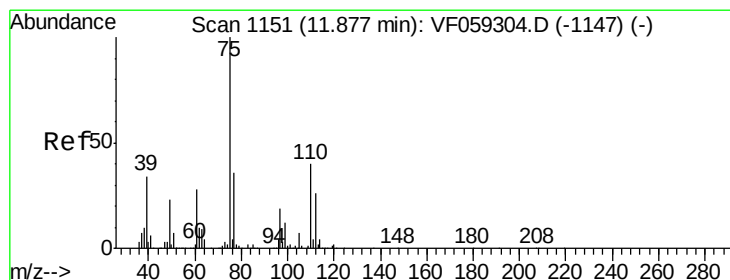
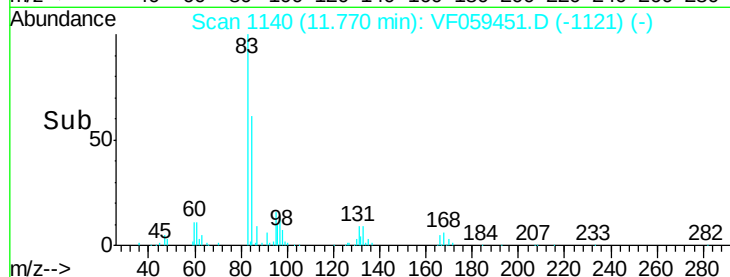
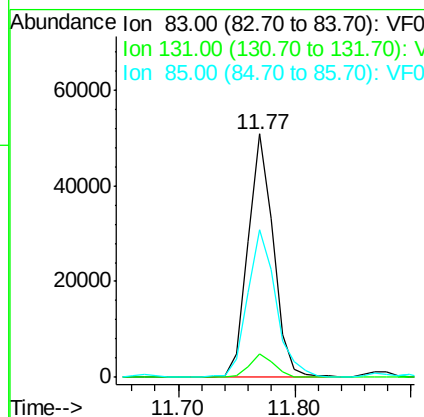
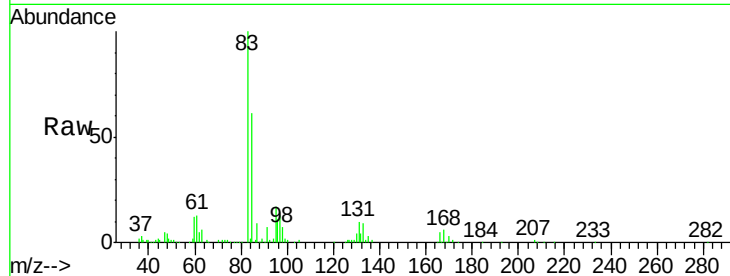
ClientSampleId :

VF0706SBS01

Tot Ion:	83	Resp:	76860
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	60.8	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.83 ug/l

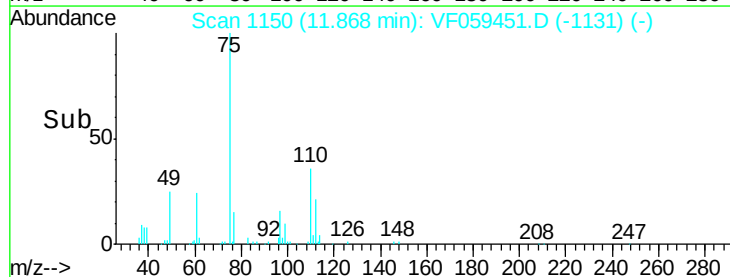
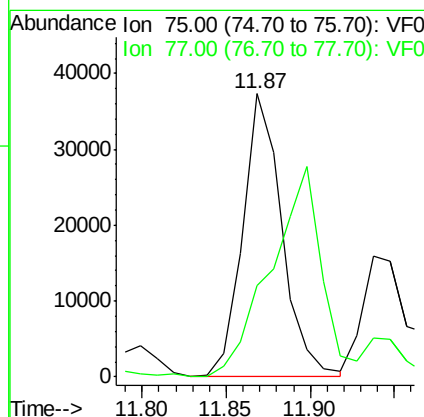
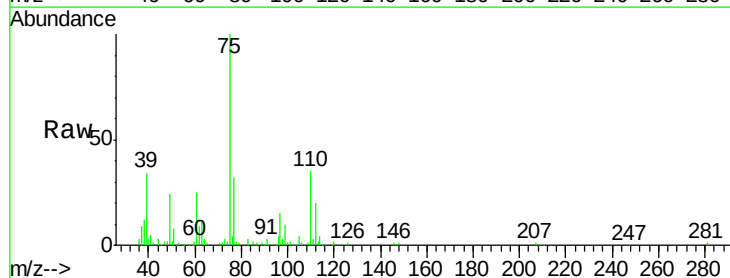
RT: 11.87 min Scan# 1150

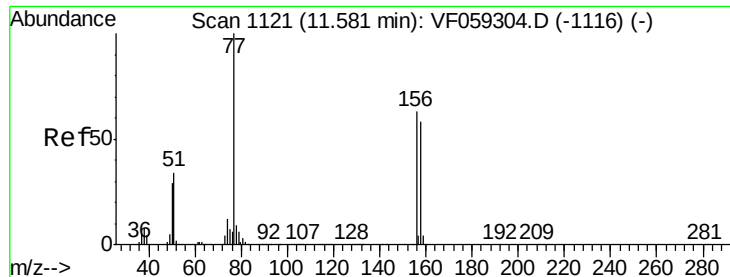
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	75	Resp:	60430
Ion	Ratio	Lower	Upper
75	100		
77	32.4	18.0	54.0





#77

Bromobenzene

Concen: 22.96 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

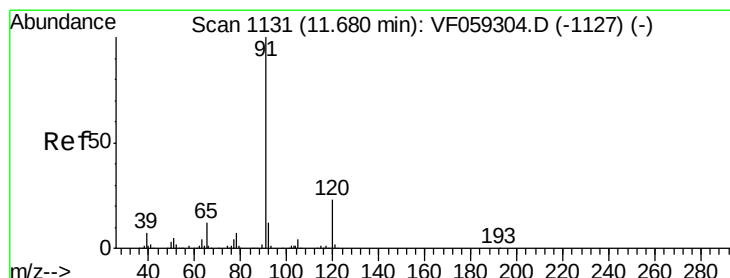
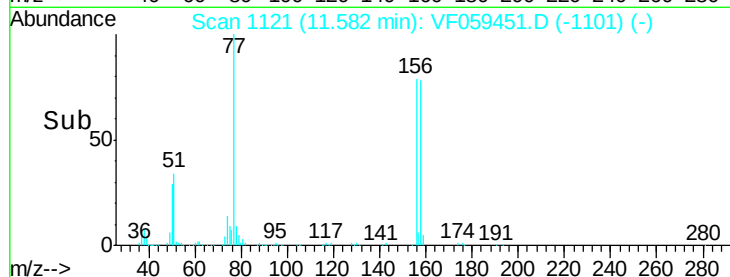
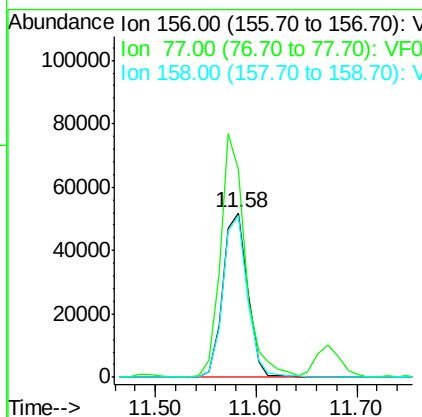
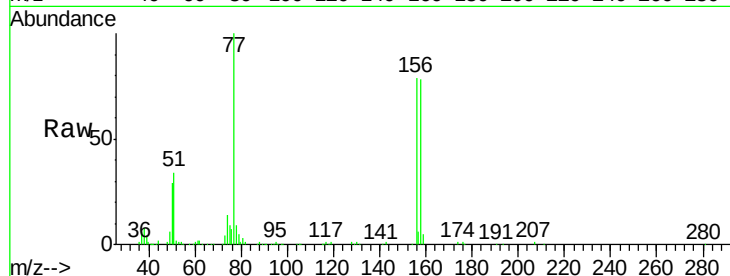
ClientSampleId :

VF0706SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	126.8	79.7	238.9
158	98.5	46.2	138.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.67 ug/l

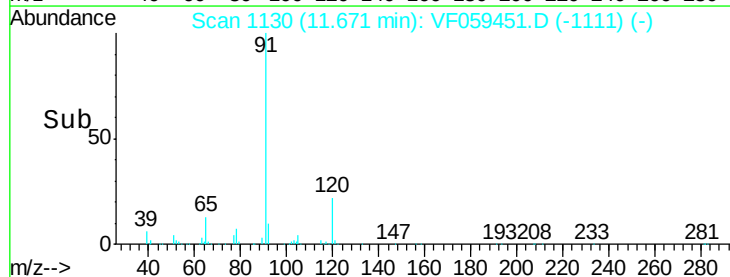
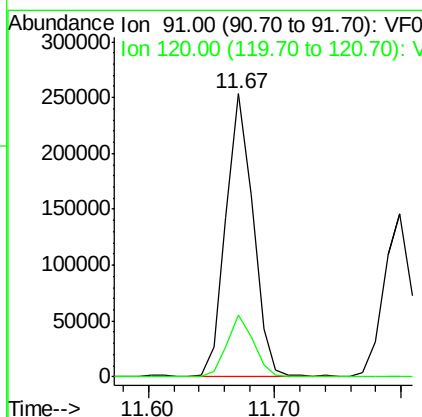
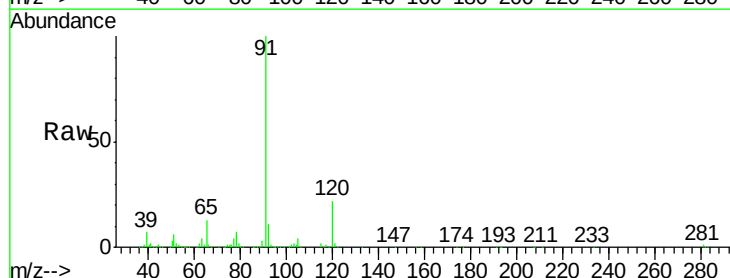
RT: 11.67 min Scan# 1130

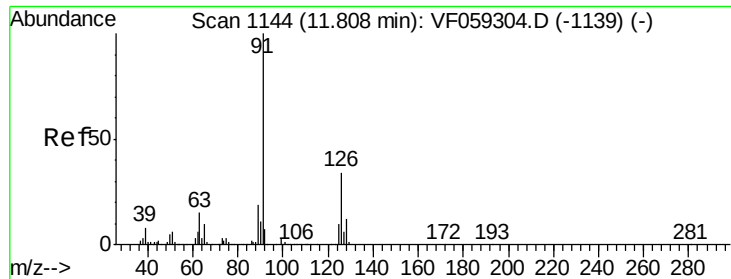
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 22.28 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 91 Resp: 227156

Ion Ratio Lower Upper

91 100

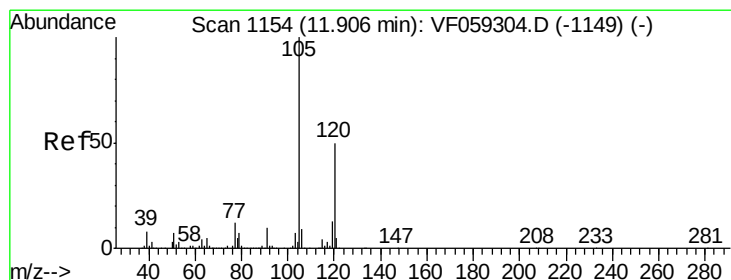
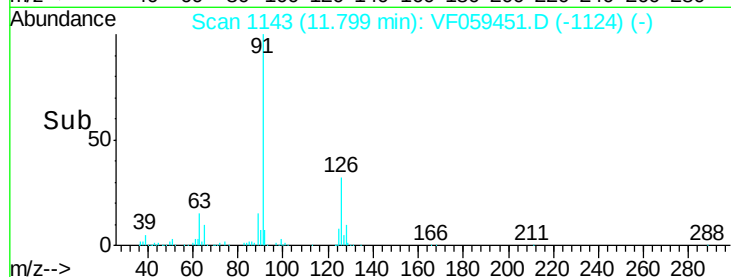
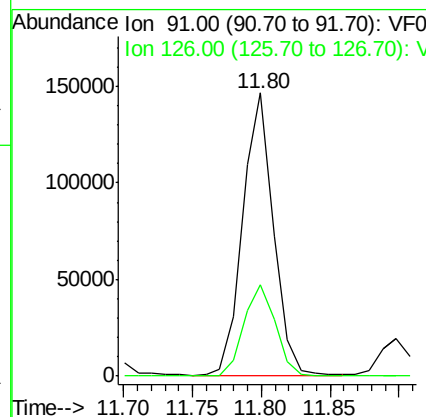
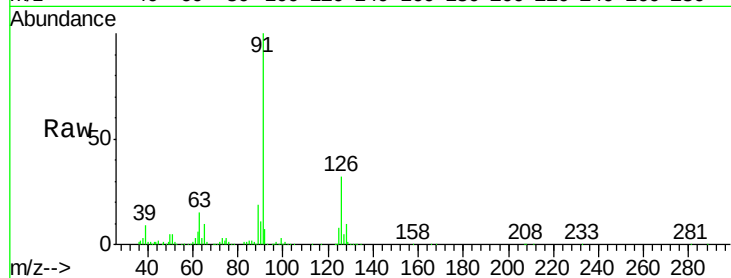
126 32.3 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.30 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059451.D

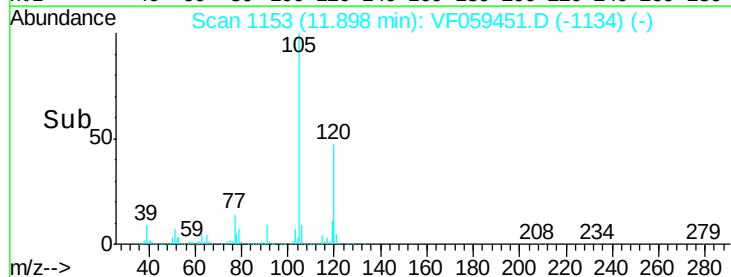
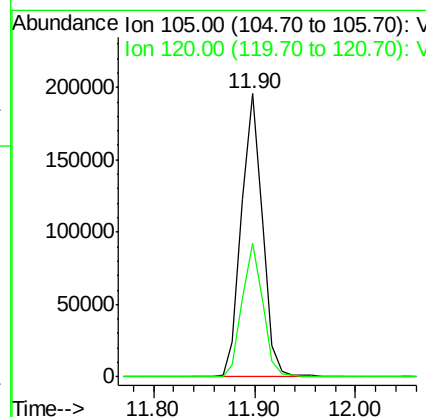
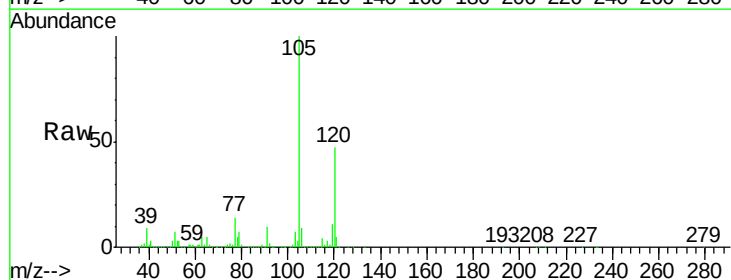
Acq: 6 Jul 2018 16:00

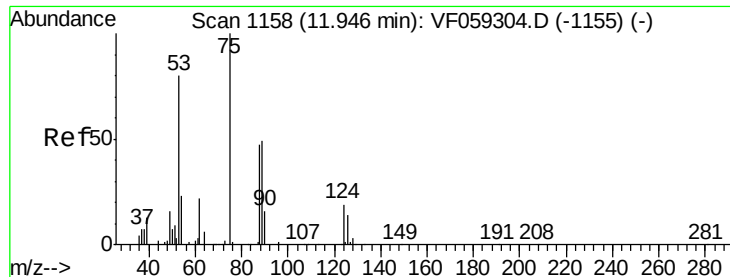
Tgt Ion: 105 Resp: 283696

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.7





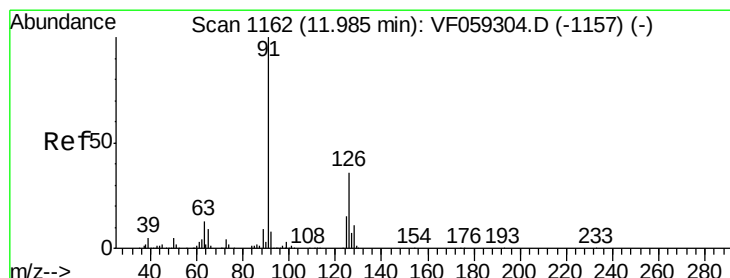
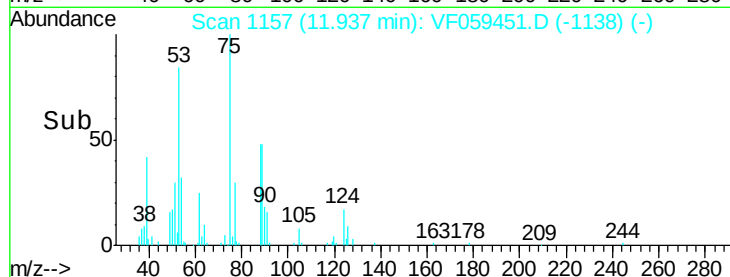
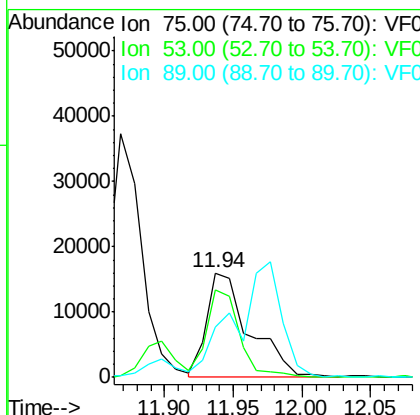
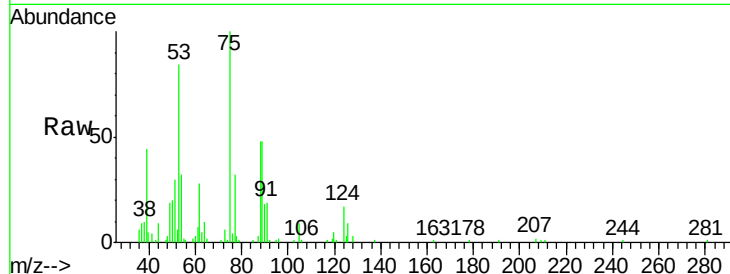
#81
trans-1,4-Dichloro-2-butene
Concen: 22.15 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.3	68.8	103.2
89	48.4	42.0	63.0

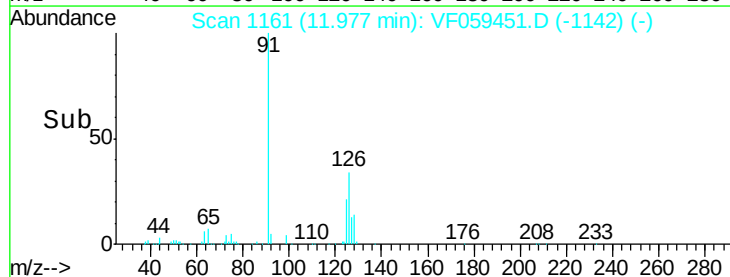
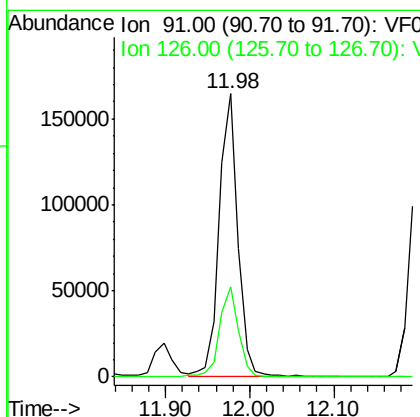
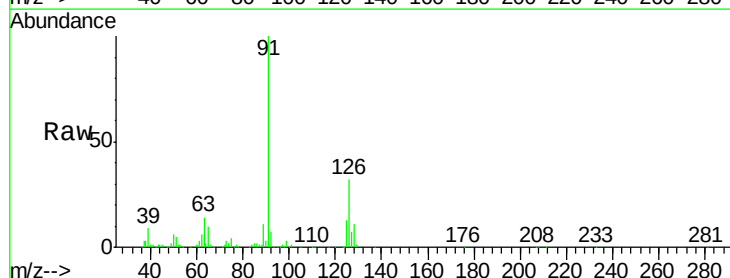
Manual Integrations
APPROVED

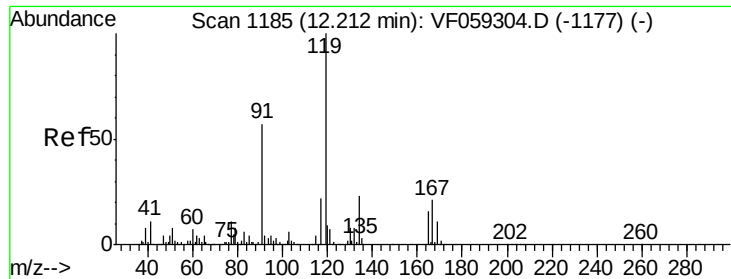
apatel
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#82
4-Chlorotoluene
Concen: 23.08 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	18.2	54.6





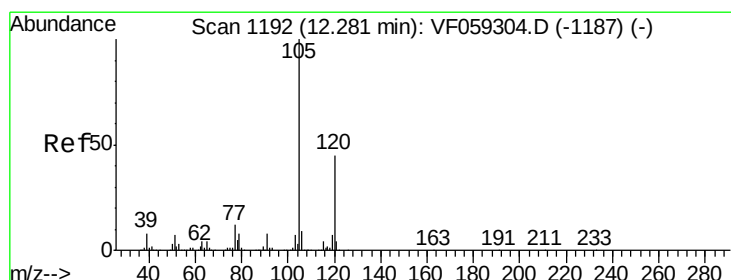
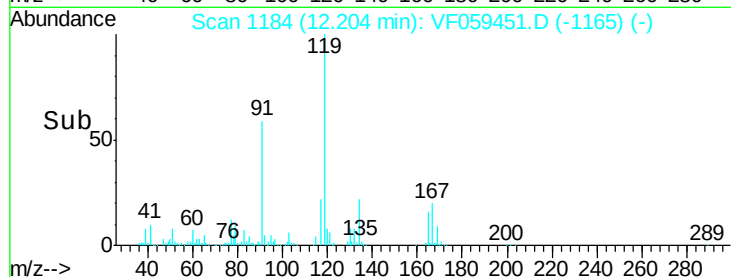
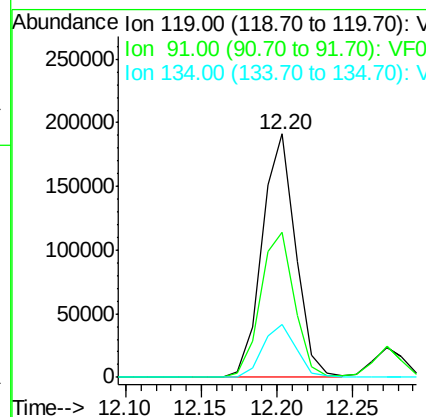
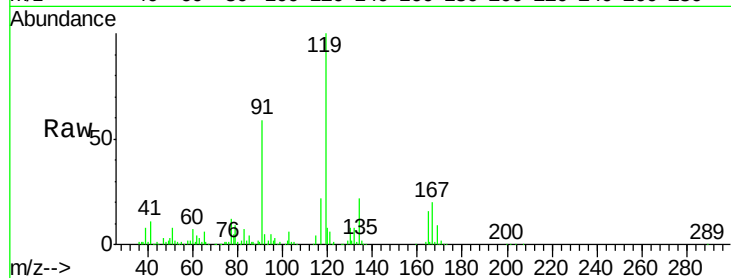
#83
 tert-Butylbenzene
 Concen: 24.21 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294728		
91	59.4		28.4	85.2
134	21.9		11.7	35.1

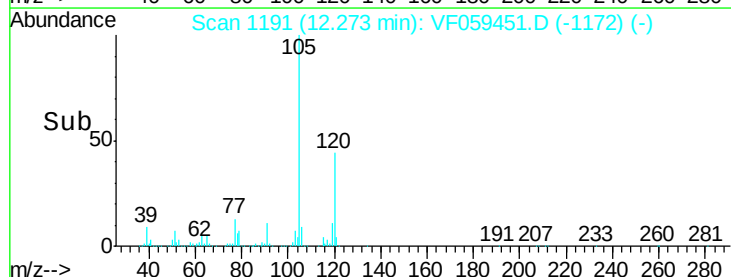
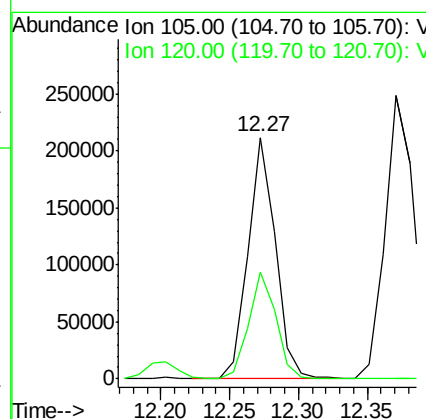
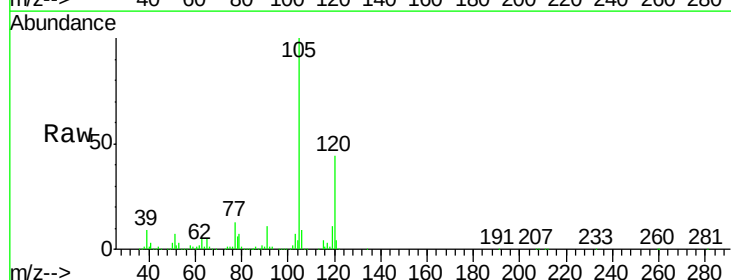
Manual Integrations
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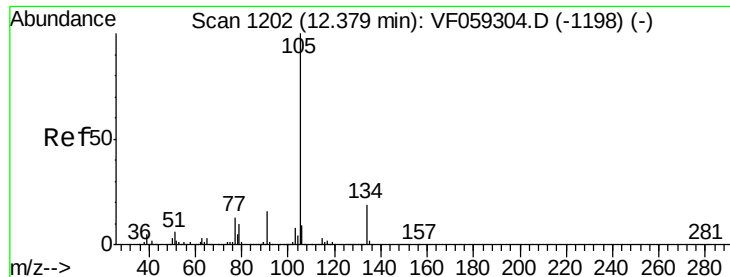
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.11 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	296347		
120	44.3		22.8	68.4





#85

sec-Butylbenzene

Concen: 22.66 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion:105 Resp: 365765

Ion Ratio Lower Upper

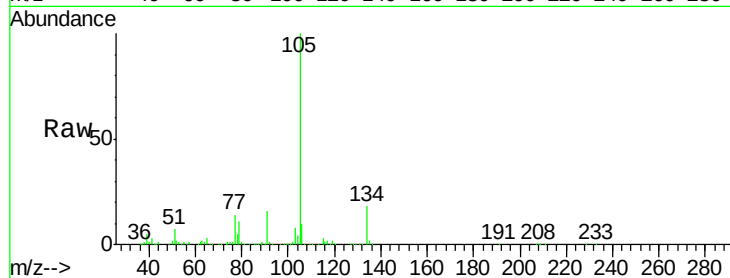
105 100

134 17.8 9.4 28.3

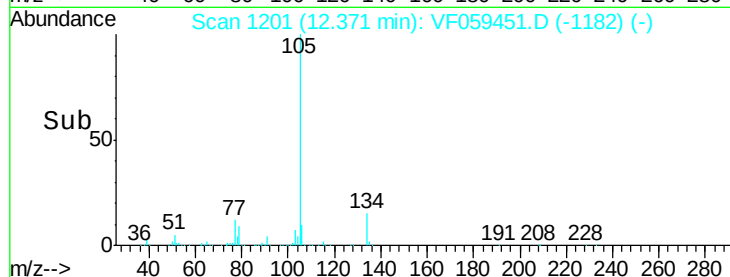
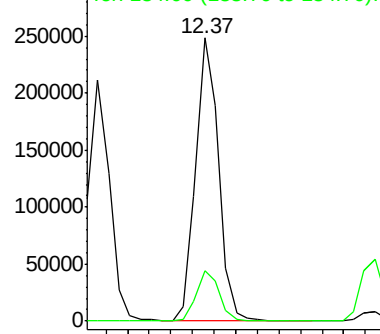
Manual Integrations
APPROVED

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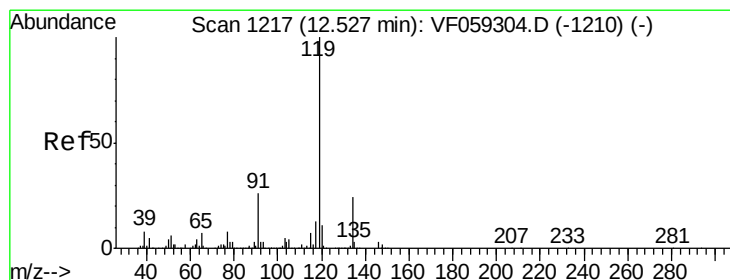
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 23.50 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

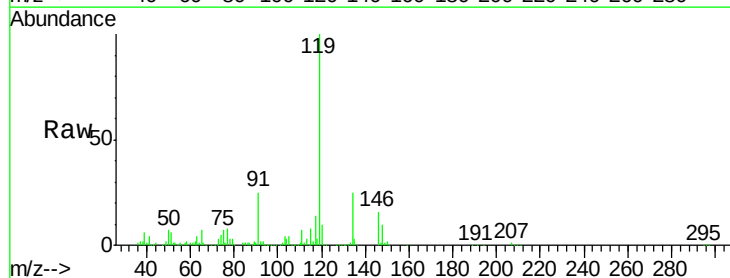
Tgt Ion:119 Resp: 318336

Ion Ratio Lower Upper

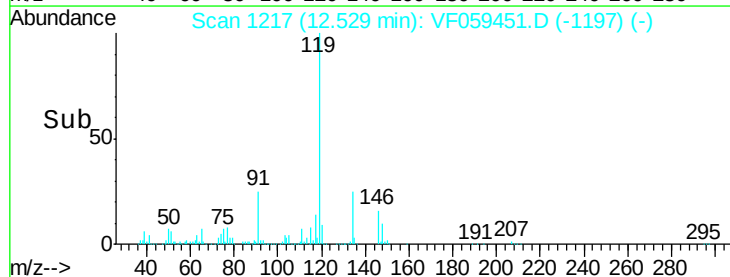
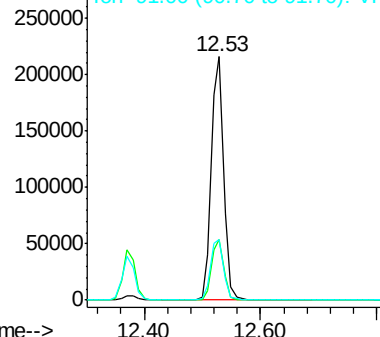
119 100

134 25.0 12.2 36.4

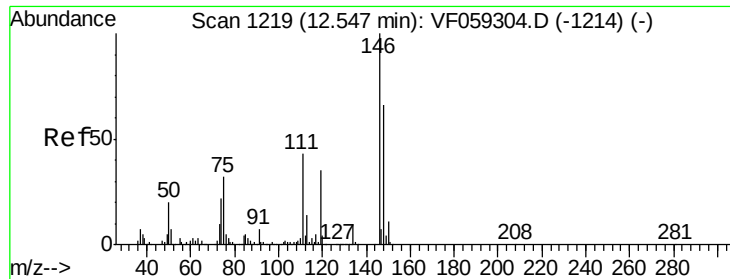
91 24.9 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



Time-->



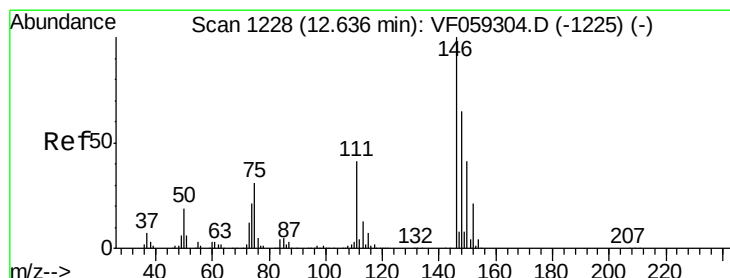
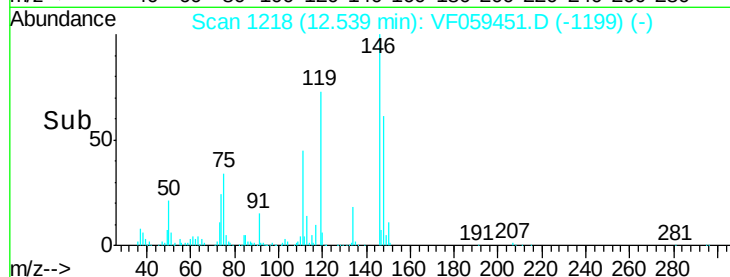
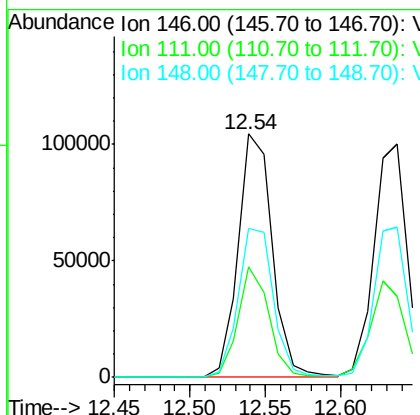
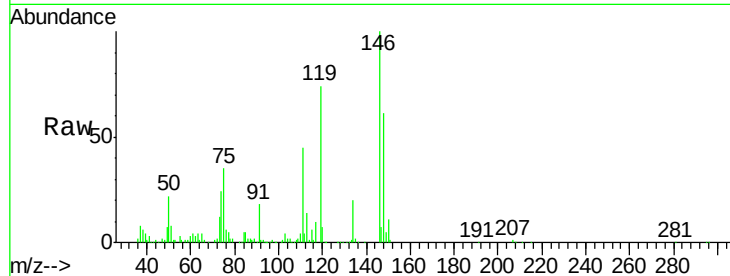
#87
 1,3-Dichlorobenzene
 Concen: 23.28 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.4	64.2
148	61.3	32.8	98.4

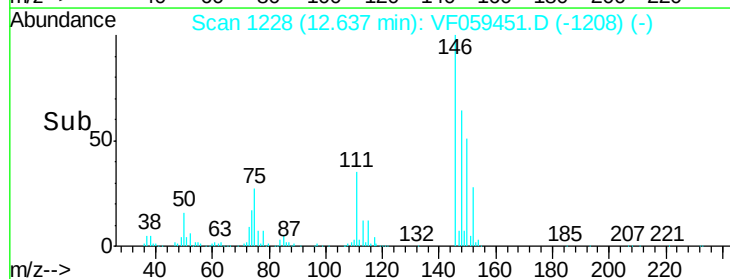
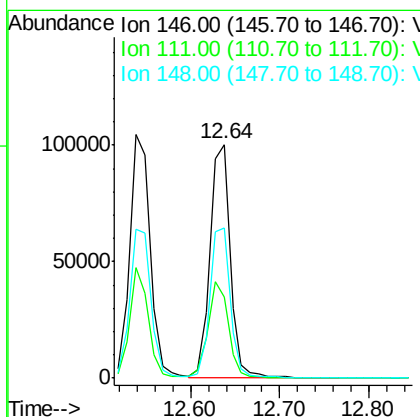
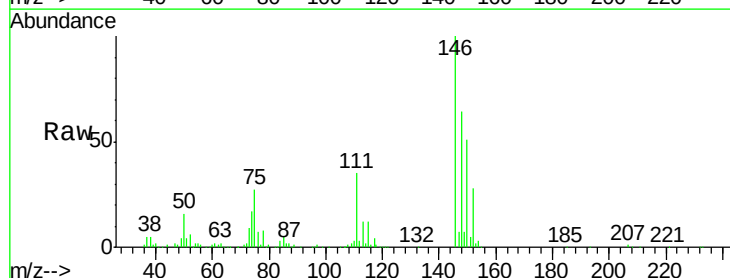
Manual Integrations
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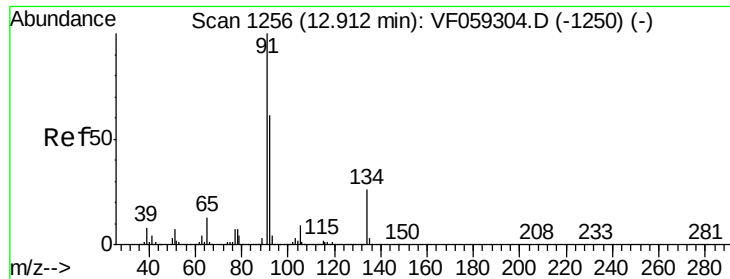
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.91 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	20.7	62.1
148	64.3	32.8	98.3





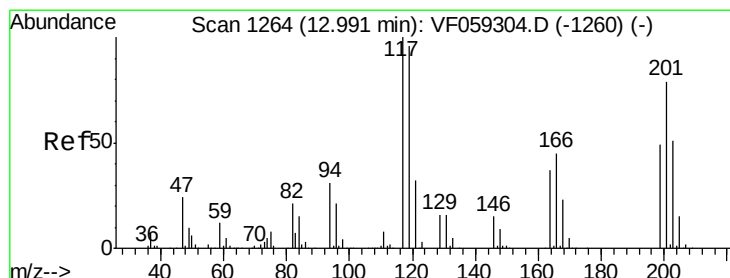
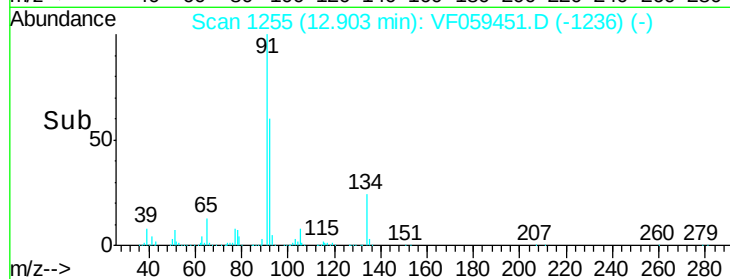
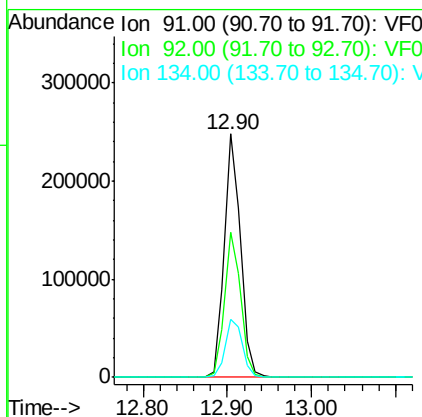
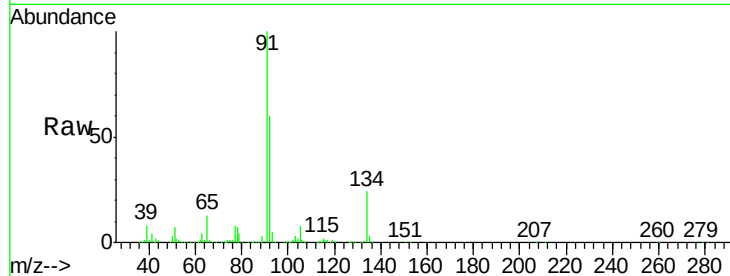
#89
n-Butylbenzene
Concen: 24.27 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	59.6	30.3	91.0	
134	23.9	12.9	38.7	

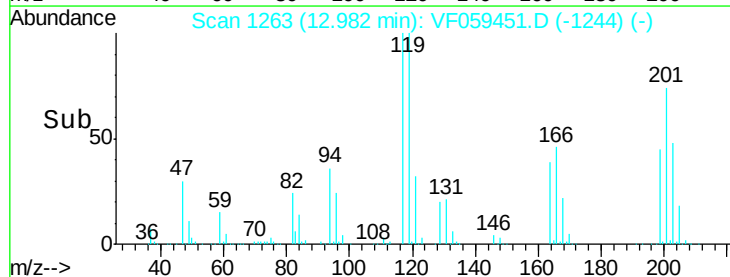
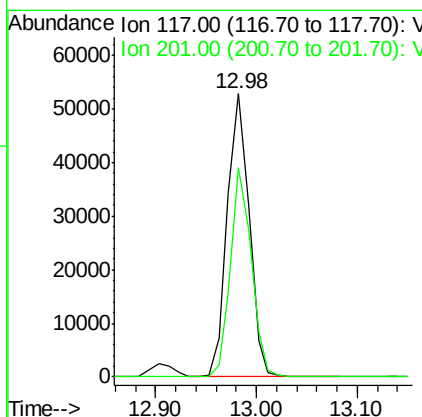
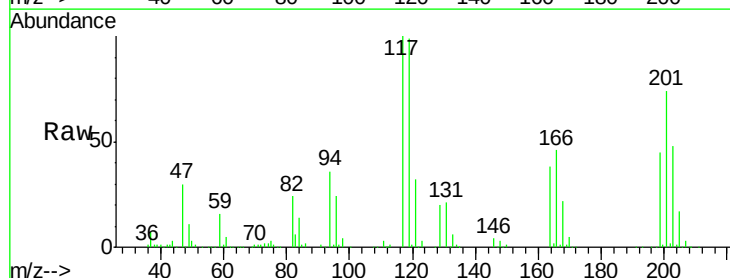
Manual Integrations
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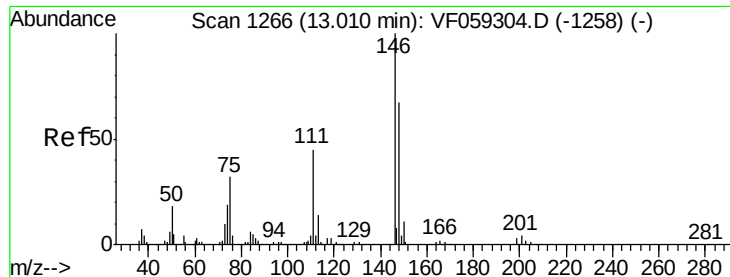
apatel
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#90
Hexachloroethane
Concen: 23.77 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.0	39.5	118.5	





#91

1,2-Dichlorobenzene

Concen: 23.57 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Instrument :

MSVOA_F

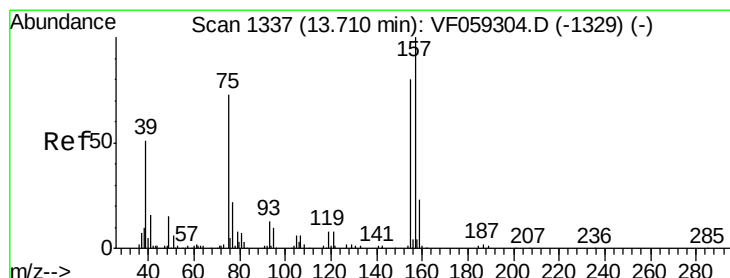
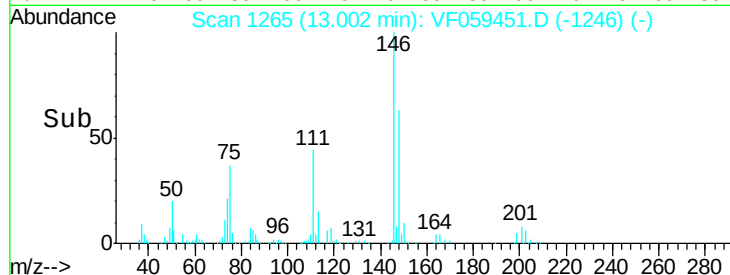
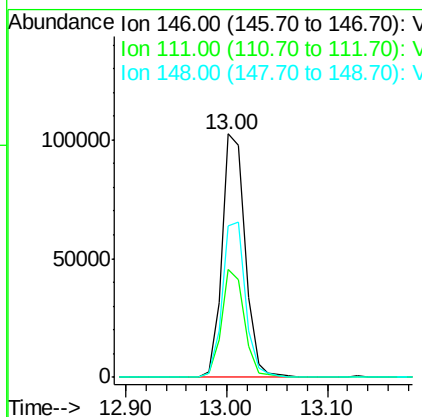
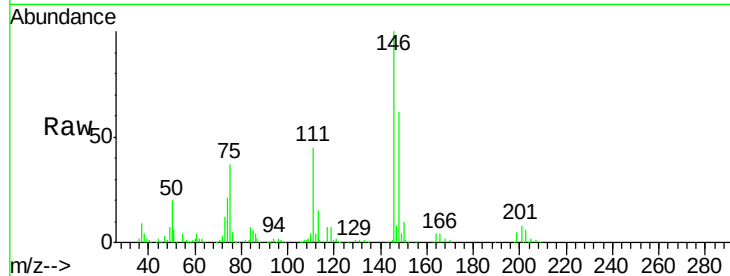
ClientSampleId :

VF0706SBS01

Tot Ion:	146	Resp:	164989
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.7	68.0
148	62.5	33.5	100.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.64 ug/l

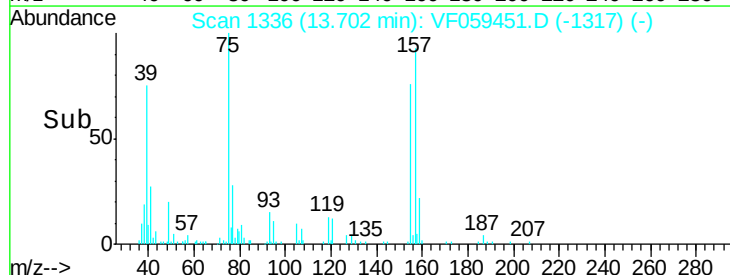
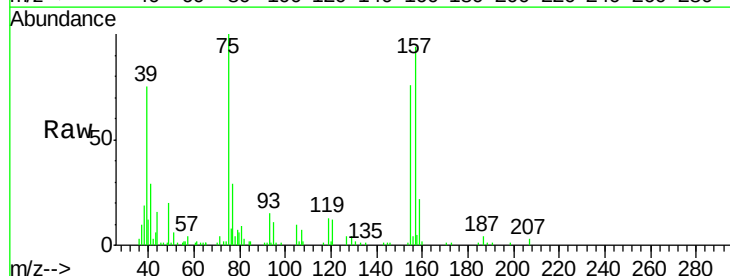
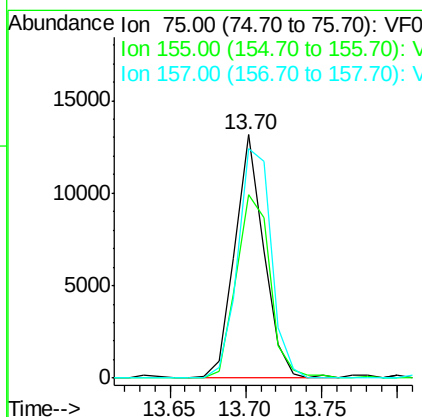
RT: 13.70 min Scan# 1336

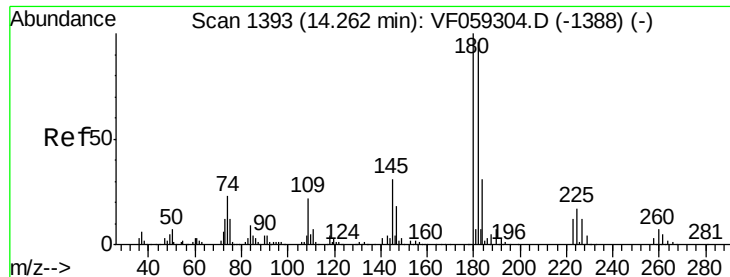
Delta R.T. -0.01 min

Lab File: VF059451.D

Acq: 6 Jul 2018 16:00

Tgt Ion:	75	Resp:	17611
Ion Ratio	Lower	Upper	
75	100		
155	75.6	54.6	163.8
157	94.1	68.7	205.9





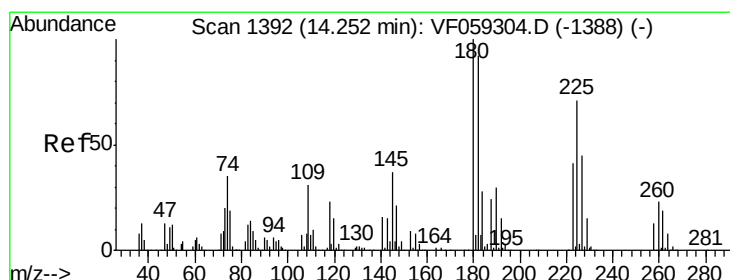
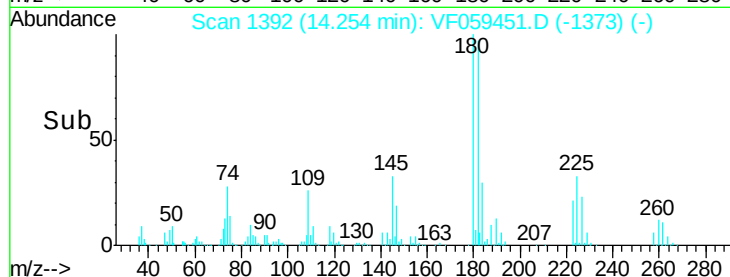
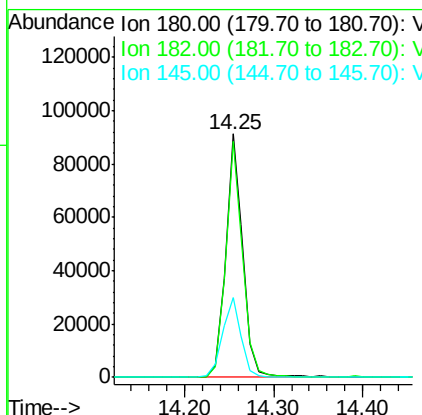
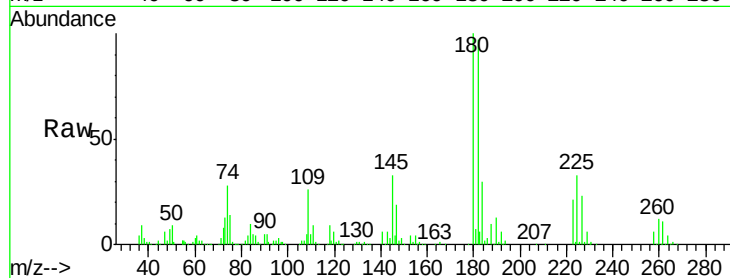
#93
 1,2,4-Trichlorobenzene
 Concen: 23.93 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123872		
182	96.8	48.1	144.3	
145	32.8	15.3	45.8	

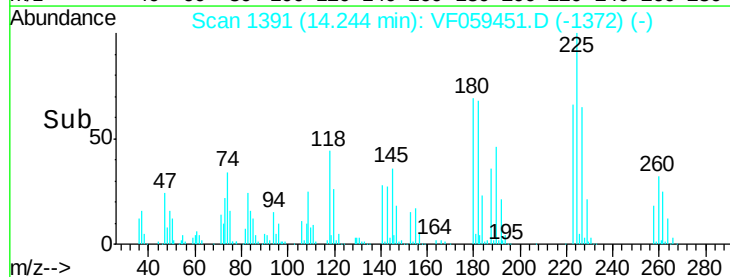
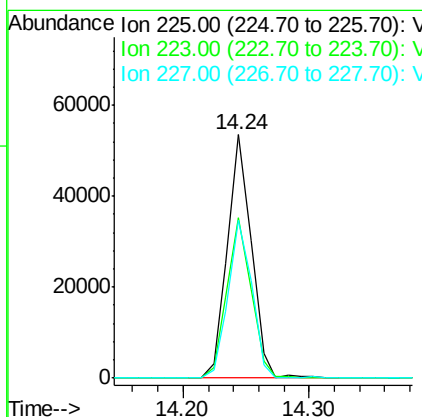
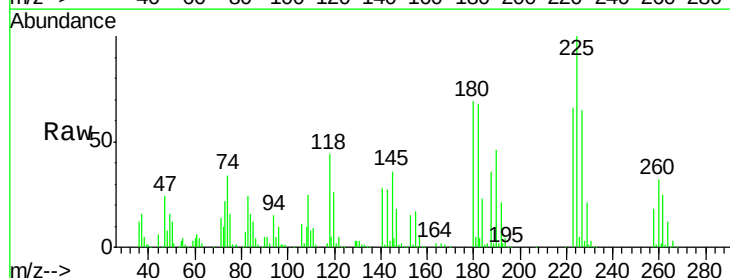
Manual Integrations
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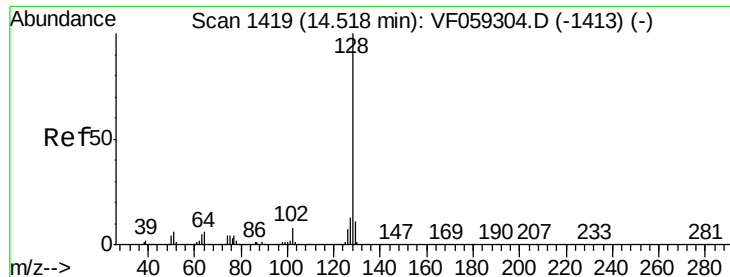
apatel
 7/9/2018 12:22:19 PM



#94
 Hexachlorobutadiene
 Concen: 24.31 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059451.D
 Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70267		
223	65.7	28.9	86.8	
227	64.8	31.3	93.8	





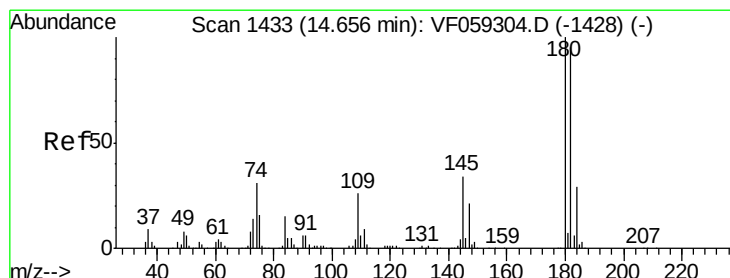
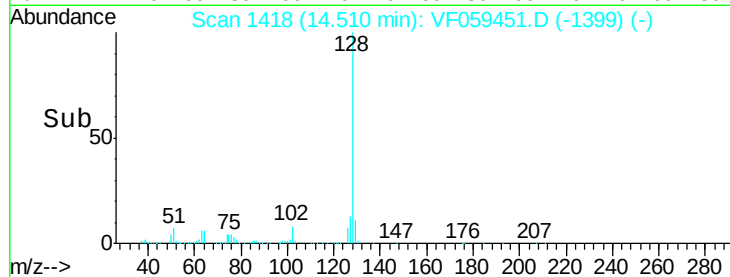
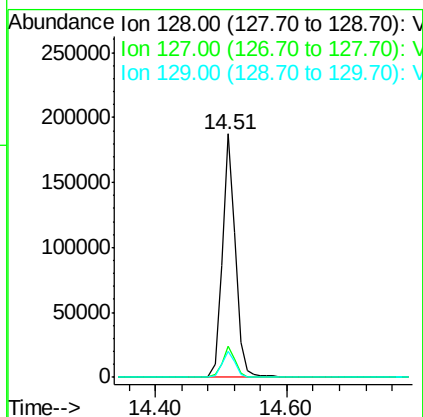
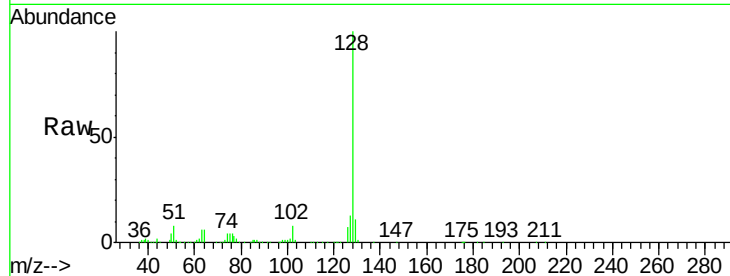
#95
Naphthalene
Concen: 23.98 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

apatel
7/9/2018 12:22:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 25.32 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VF059451.D
Acq: 6 Jul 2018 16:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	30.3	17.0	50.9

