

Data File : VF058110.D
Acq On : 6 Jun 2018 16:45
Operator : JC/SY
Sample : VSTDIC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:38 PM

Quant Time: Jun 07 06:49:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	359983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	579615	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	557978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	333839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	43065	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
35) Dibromofluoromethane	4.29	113	38028	8.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.70%	
50) Toluene-d8	7.70	98	115654	9.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.16%	
62) 4-Bromofluorobenzene	11.51	95	63379	9.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	39820	9.160	ug/l	97
3) Chloromethane	1.08	50	31703	9.204	ug/l	90
4) Vinyl Chloride	1.15	62	27303	9.495	ug/l	92
5) Bromomethane	1.33	94	17009	10.446	ug/l	96
6) Chloroethane	1.42	64	12377	10.104	ug/l	91
7) Trichlorofluoromethane	1.48	101	42501m	9.730	ug/l	
8) Diethyl Ether	1.70	74	10676	10.036	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	30378	11.284	ug/l	94
10) Methyl Iodide	1.95	142	47846	9.996	ug/l	93
11) Tert butyl alcohol	2.67	59	13527	52.875	ug/l	98
12) 1,1-Dichloroethene	1.85	96	22311	9.525	ug/l	92
13) Acrolein	2.08	56	11472	68.934	ug/l	92
14) Allyl chloride	2.18	41	43430	9.698	ug/l	94
15) Acrylonitrile	3.07	53	25147	42.520	ug/l	91
16) Acetone	2.33	43	51384	52.449	ug/l	99
17) Carbon Disulfide	1.84	76	60702	9.030	ug/l	98
18) Methyl Acetate	2.45	43	16640	9.108	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	70257	9.577	ug/l	98
20) Methylene Chloride	2.28	84	26452	11.029	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	24698	9.767	ug/l	92
22) Diisopropyl ether	2.92	45	88606	10.107	ug/l	99
23) Vinyl Acetate	3.32	43	298690	46.502	ug/l	98
24) 1,1-Dichloroethane	3.00	63	55081	10.143	ug/l	99
25) 2-Butanone	4.51	43	82942	52.191	ug/l	99
26) 2,2-Dichloropropane	3.76	77	42569	11.092	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	38924	9.257	ug/l	94
28) Bromochloromethane	3.89	49	27921	11.638	ug/l #	96
29) Tetrahydrofuran	4.24	42	35774	48.768	ug/l	97
30) Chloroform	4.02	83	79368	9.743	ug/l	99
31) Cyclohexane	3.86	56	48638	9.517	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	58794	10.168	ug/l	91
36) 1,1-Dichloropropene	4.46	75	54578	9.310	ug/l	91
37) Ethyl Acetate	4.28	43	31874	9.221	ug/l	92
38) Carbon Tetrachloride	4.16	117	58674m	9.421	ug/l	

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	55272	9.125	ug/l	98
40) Benzene	4.80	78	125014	9.109	ug/l	98
41) Methacrylonitrile	4.92	41	15824	9.040	ug/l	94
42) 1,2-Dichloroethane	5.11	62	57045	9.679	ug/l	99
43) Isopropyl Acetate	7.11	43	44756	9.550	ug/l #	89
44) Trichloroethene	5.67	130	41443	9.695	ug/l	97
45) 1,2-Dichloropropane	6.40	63	37624	9.430	ug/l	96
46) Dibromomethane	6.25	93	27338	9.077	ug/l	94
47) Bromodichloromethane	6.54	83	63327	9.530	ug/l	95
48) Methyl methacrylate	6.87	41	27888	9.415	ug/l #	89
49) 1,4-Dioxane	6.86	88	3883	189.969	ug/l	90
51) 4-Methyl-2-Pentanone	8.40	43	164682	50.622	ug/l	97
52) Toluene	7.77	92	97149	9.969	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	62358	9.822	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	70178	9.621	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	33058	9.331	ug/l	97
56) Ethyl methacrylate	8.76	69	41576	9.279	ug/l	96
57) 1,3-Dichloropropane	9.00	76	55432	8.986	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.78	63	16536	53.382	ug/l	100
59) 2-Hexanone	9.63	43	127760	50.154	ug/l	96
60) Dibromochloromethane	8.86	129	46590	9.248	ug/l	96
61) 1,2-Dibromoethane	9.13	107	36768	8.698	ug/l	88
64) Tetrachloroethene	8.30	164	41825	9.930	ug/l	97
65) Chlorobenzene	9.94	112	111901	9.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	45588	10.316	ug/l	92
67) Ethyl Benzene	10.04	91	205401	10.337	ug/l	100
68) m/p-Xylenes	10.26	106	165174	22.421	ug/l	85
69) o-Xylene	10.83	106	79998	9.970	ug/l	92
70) Styrene	10.90	104	122342	10.169	ug/l	95
71) Bromoform	10.88	173	29165	9.596	ug/l #	93
73) Isopropylbenzene	11.23	105	243875	10.287	ug/l	99
74) N-amyl acetate	11.47	43	83901	9.490	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	55270	9.733	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	42085	10.156	ug/l	86
77) Bromobenzene	11.59	156	59082	10.001	ug/l	92
78) n-propylbenzene	11.68	91	295396	10.428	ug/l	93
79) 2-Chlorotoluene	11.81	91	170677	10.199	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	204537	10.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	25183	9.595	ug/l	97
82) 4-Chlorotoluene	11.99	91	180233	10.212	ug/l	95
83) tert-Butylbenzene	12.21	119	200073	10.178	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	212608	10.428	ug/l	92
85) sec-Butylbenzene	12.38	105	272894	10.249	ug/l	93
86) p-Isopropyltoluene	12.54	119	224174	10.099	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	115428	10.598	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	105630	10.102	ug/l	97
89) n-Butylbenzene	12.91	91	240956	10.415	ug/l	93
90) Hexachloroethane	12.99	117	52773	9.858	ug/l	78
91) 1,2-Dichlorobenzene	13.02	146	109840	10.389	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10265	9.477	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	76883	10.368	ug/l	90
94) Hexachlorobutadiene	14.26	225	43459	10.152	ug/l	97
95) Naphthalene	14.52	128	148335	9.371	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	62947	9.010	ug/l	97

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

Data File : VF058110.D

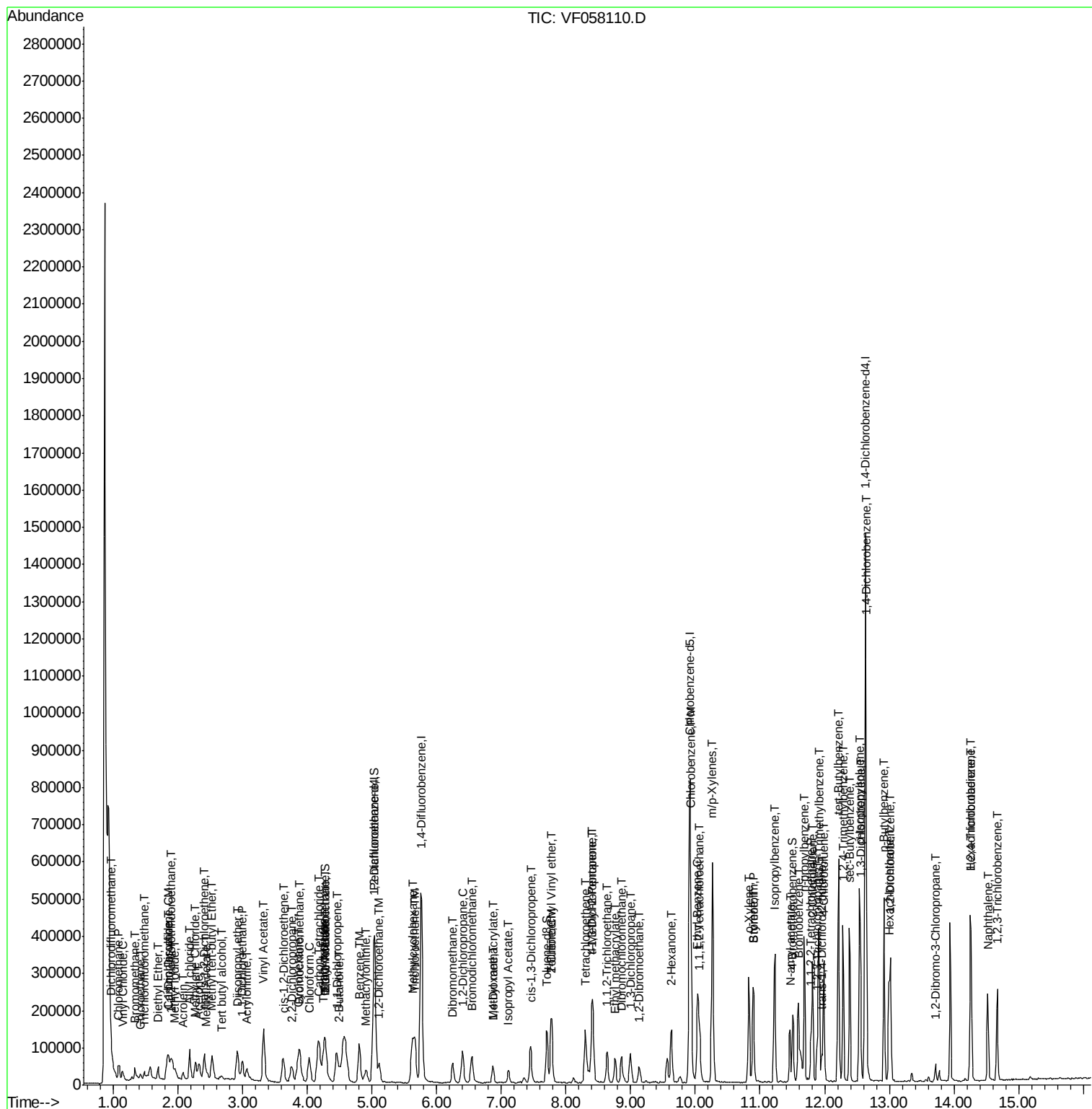
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Acq On       : 6 Jun 2018 16:45
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Sample       : VSTDIC010
Misc         : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial     : 4 Sample Multiplier: 1
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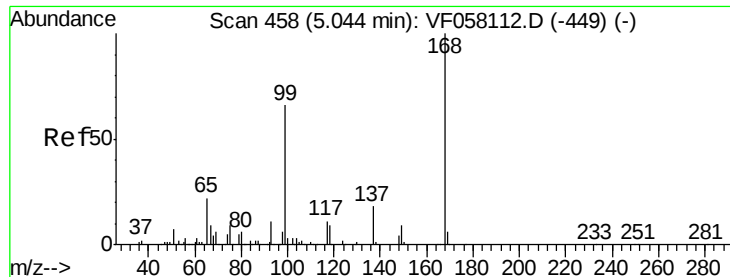
Instrument :
MSVOA_F
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Manual Integrations

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Quant Time: Jun 07 06:49:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 168 Resp: 359983

Ion Ratio Lower Upper

168 100

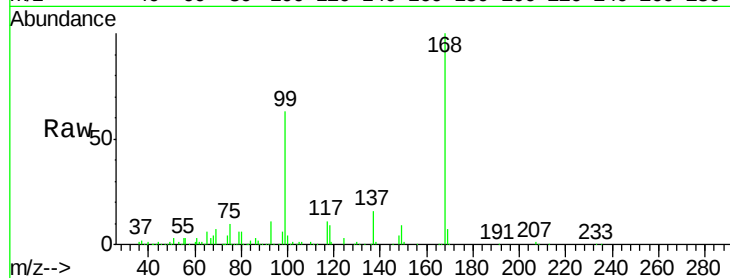
99 62.7 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

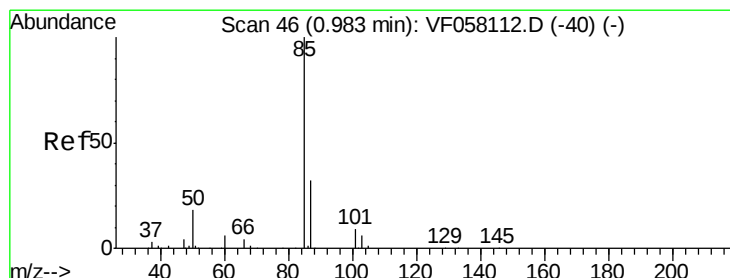
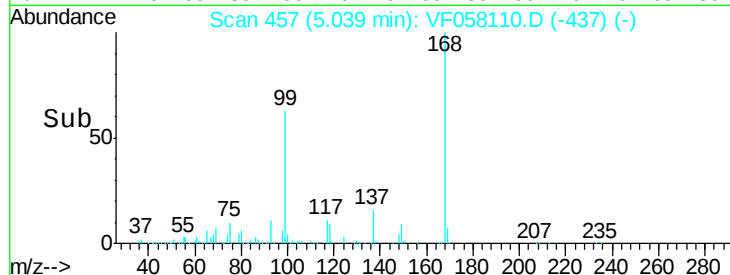
5.04

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.160 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF058110.D

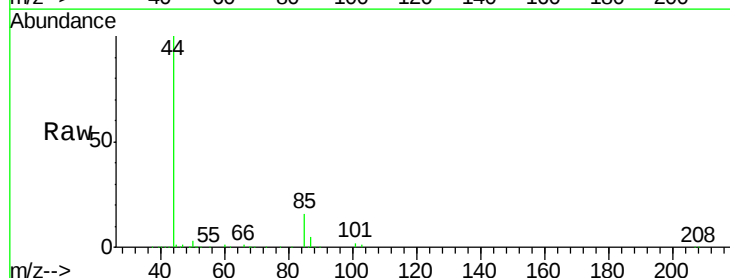
Acq: 6 Jun 2018 16:45

Tgt Ion: 85 Resp: 39820

Ion Ratio Lower Upper

85 100

87 30.9 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

12000

10000

8000

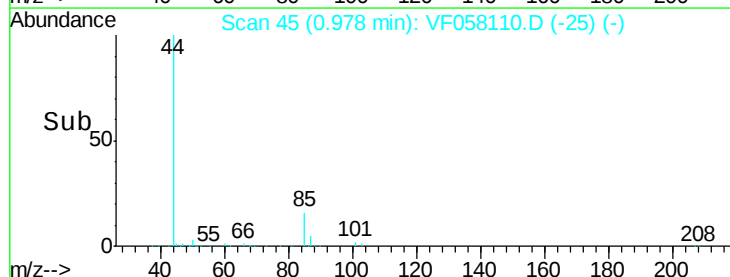
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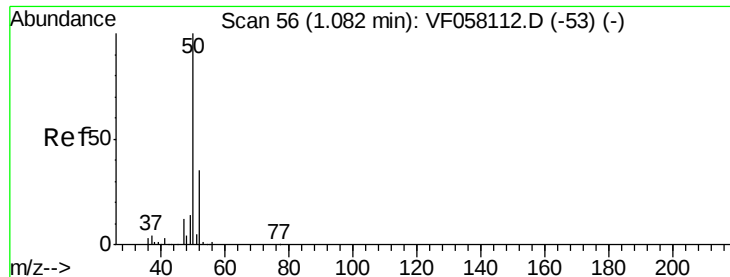
4000

2000

0

Time-->





#3

Chloromethane

Concen: 9.204 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 31703

Ion Ratio Lower Upper

50 100

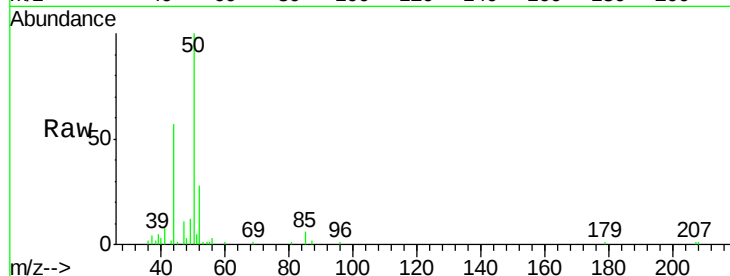
52 28.2 27.3 40.9

Manual Integrations

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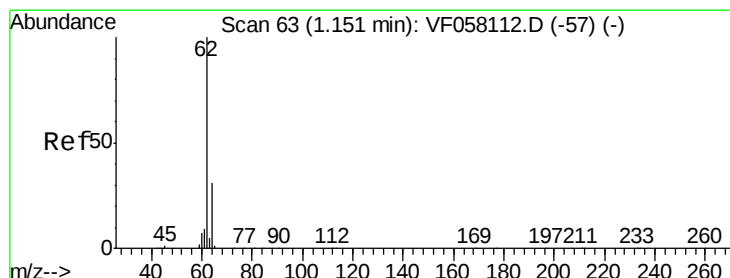
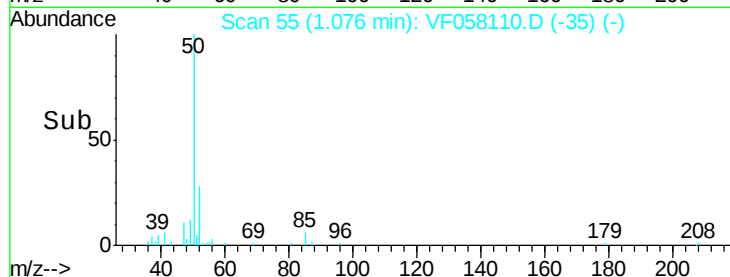
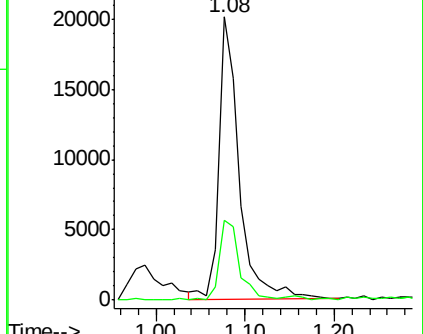
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 9.495 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF058110.D

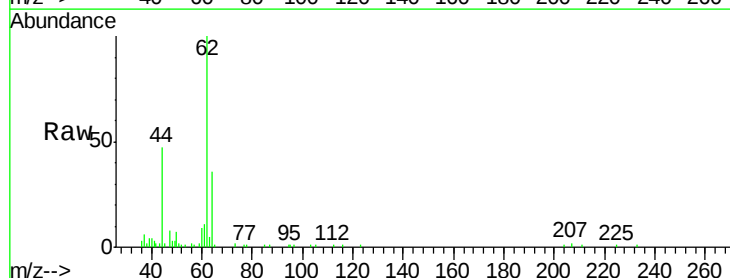
Acq: 6 Jun 2018 16:45

Tgt Ion: 62 Resp: 27303

Ion Ratio Lower Upper

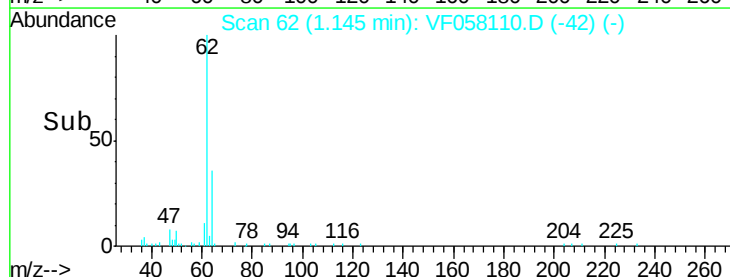
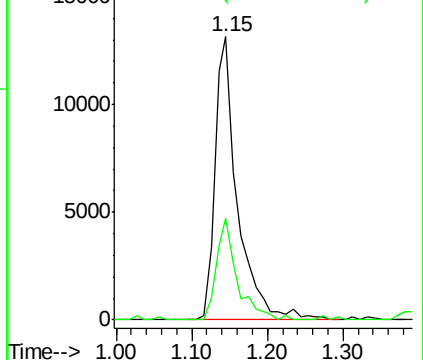
62 100

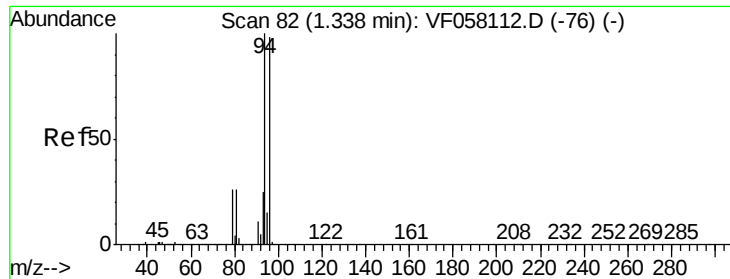
64 35.7 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 10.446 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 17009

Ion Ratio Lower Upper

94 100

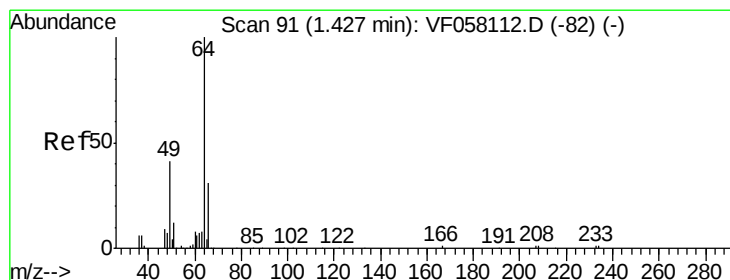
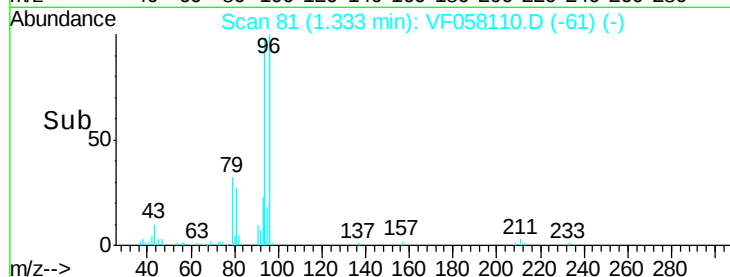
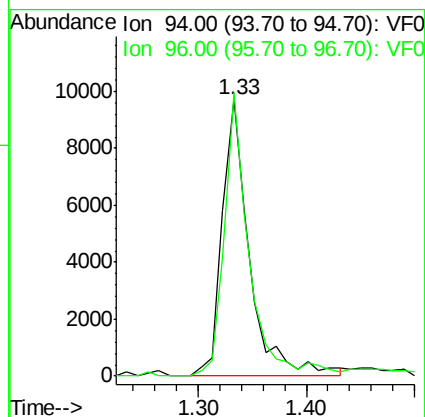
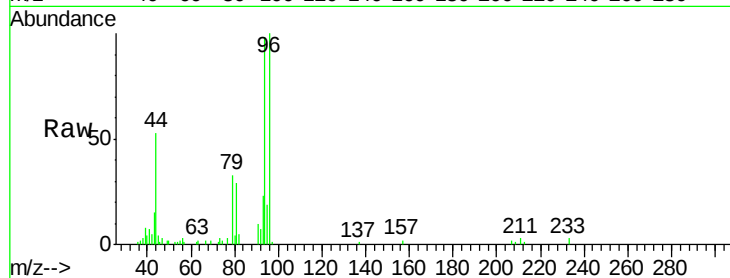
96 102.3 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 10.104 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF058110.D

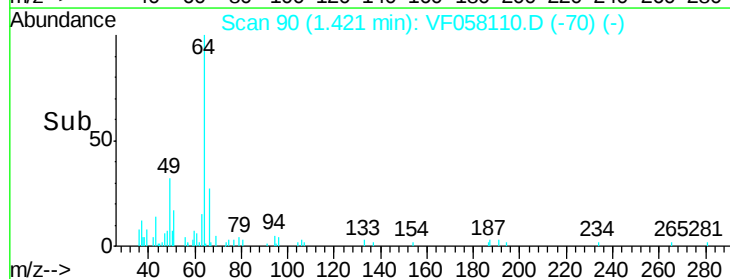
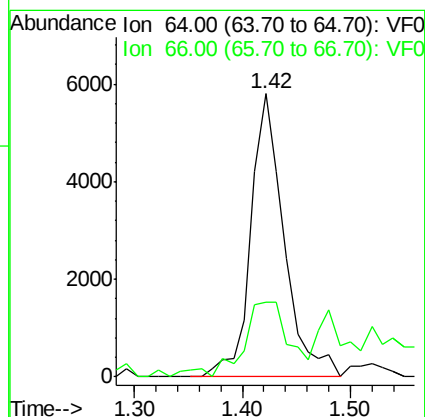
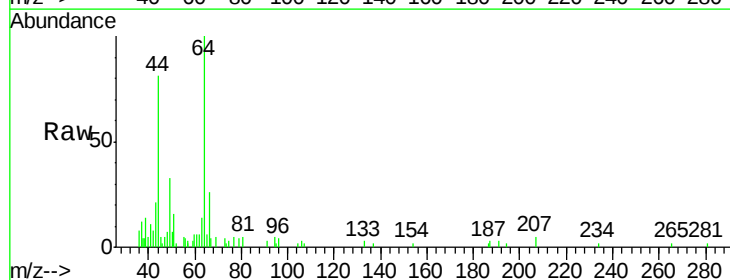
Acq: 6 Jun 2018 16:45

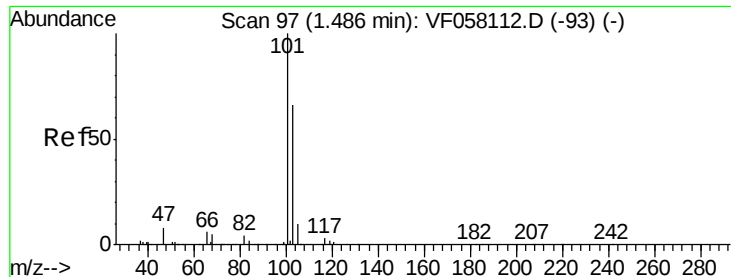
Tgt Ion: 64 Resp: 12377

Ion Ratio Lower Upper

64 100

66 26.3 24.9 37.3





#7

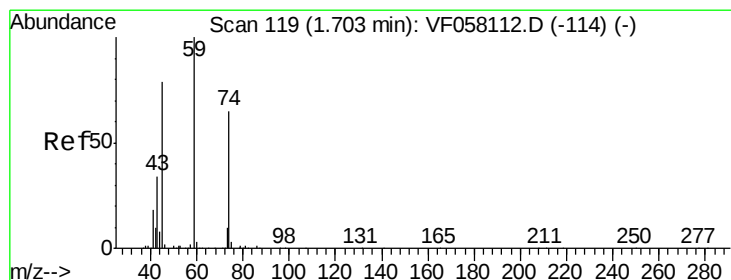
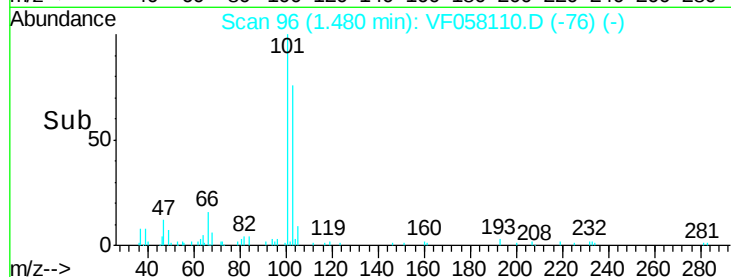
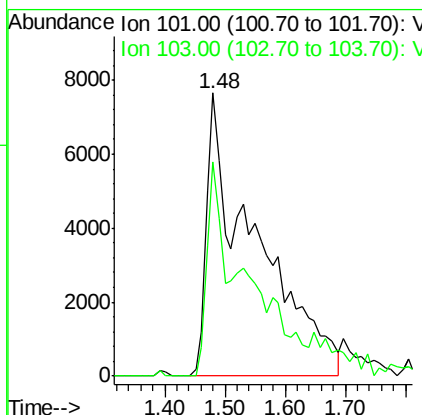
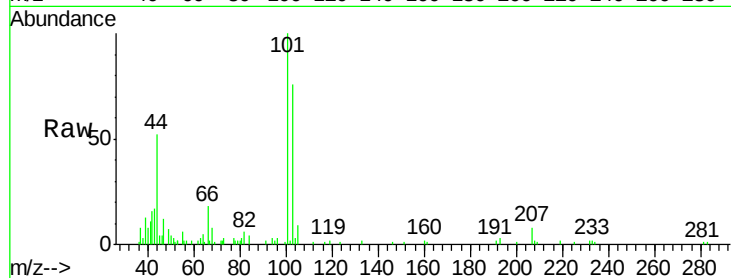
Trichlorofluoromethane
Concen: 9.730 ug/l
RT: 1.48 min Scan# 96
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	75.8	53.4	80.2

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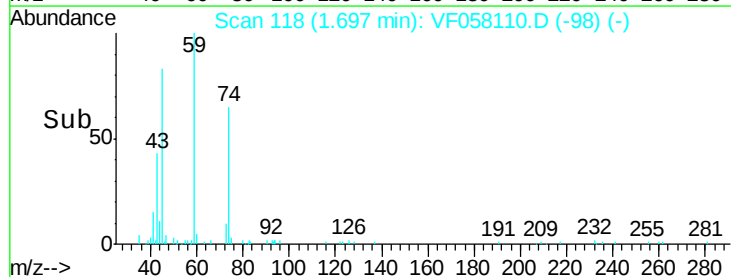
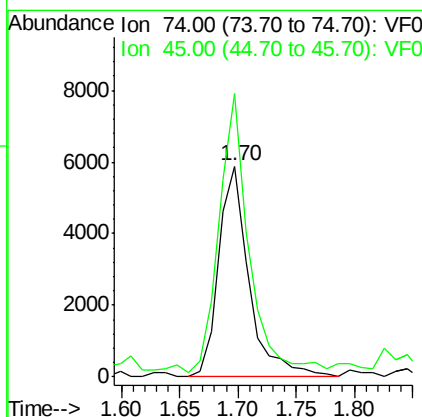
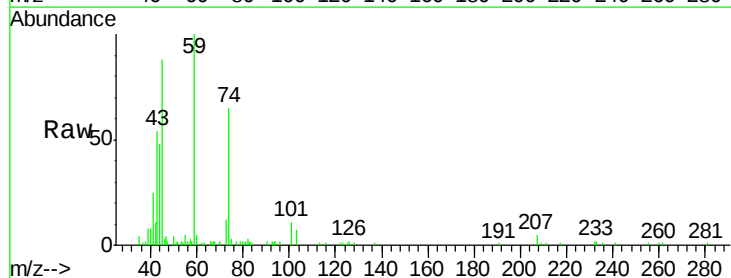
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#8

Diethyl Ether
Concen: 10.036 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.4	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.284 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

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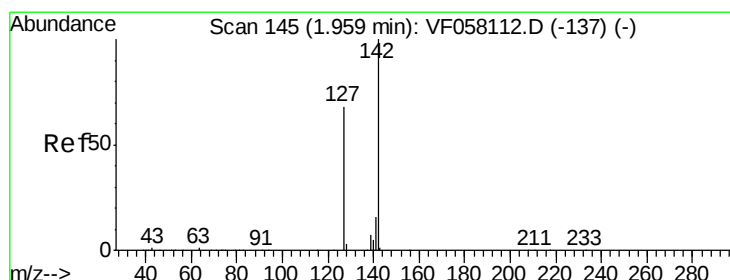
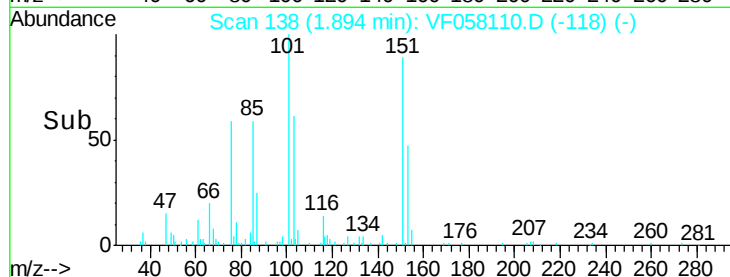
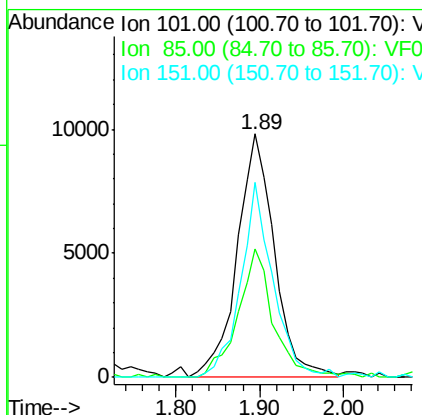
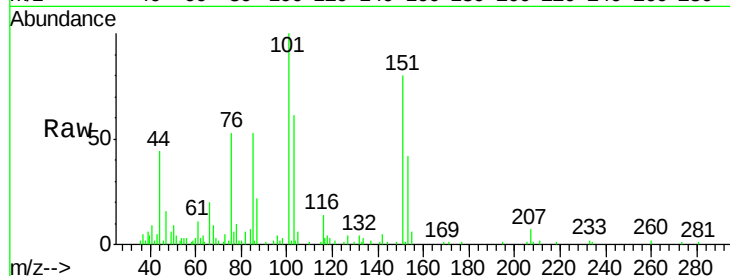
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	30378
Ion Ratio	Lower	Upper	
101	100		
85	52.7	42.2	63.4
151	80.0	56.8	85.2

Manual Integrations
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#10

Methyl Iodide

Concen: 9.996 ug/l

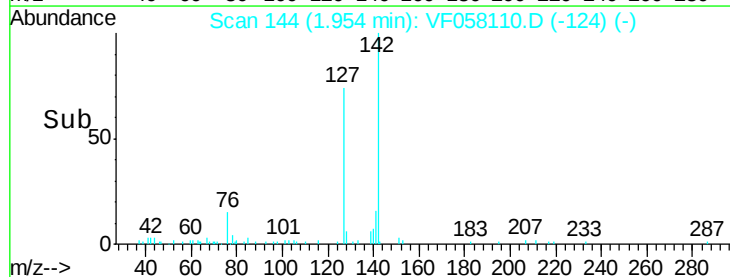
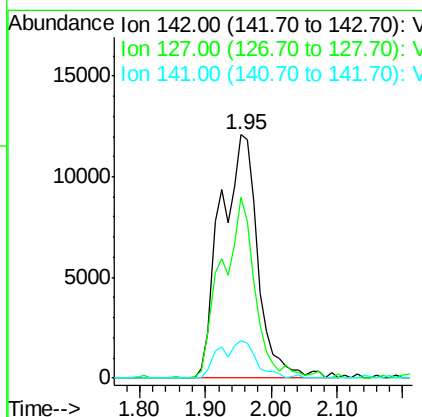
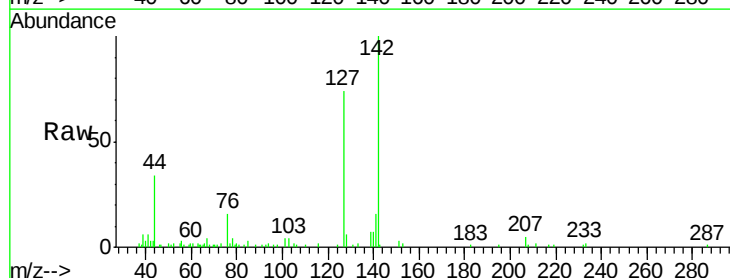
RT: 1.95 min Scan# 144

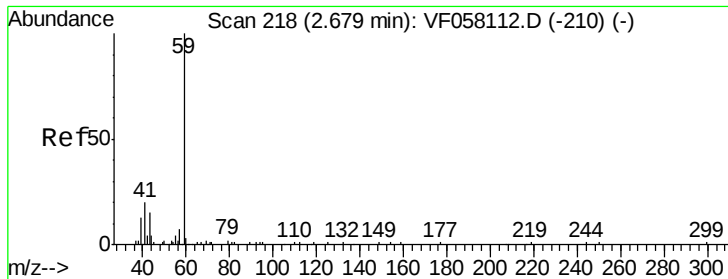
Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion:	142	Resp:	47846
Ion Ratio	Lower	Upper	
142	100		
127	74.3	54.1	81.1
141	15.6	13.0	19.4





#11

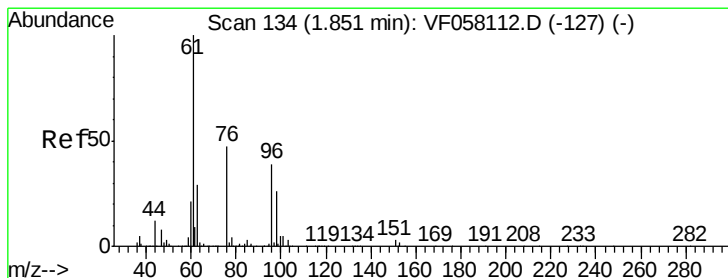
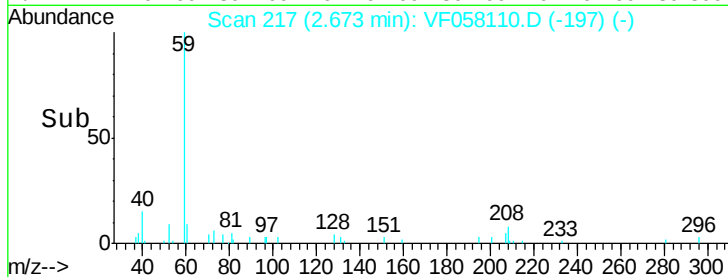
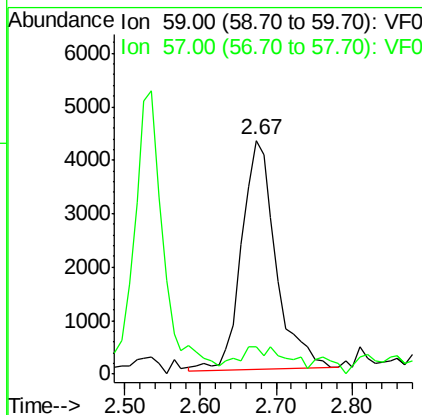
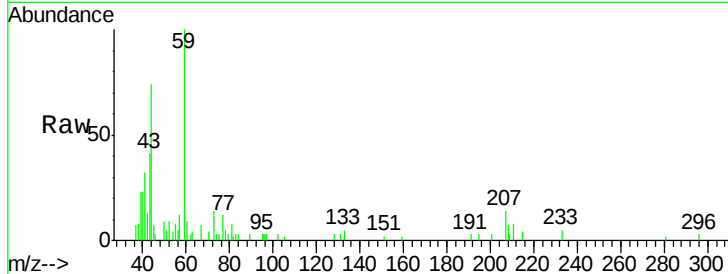
Tert butyl alcohol
Concen: 52.875 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.7	13.1

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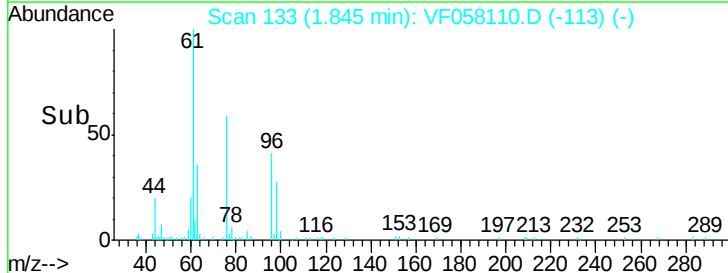
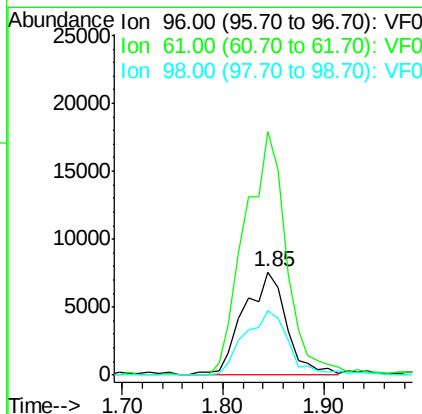
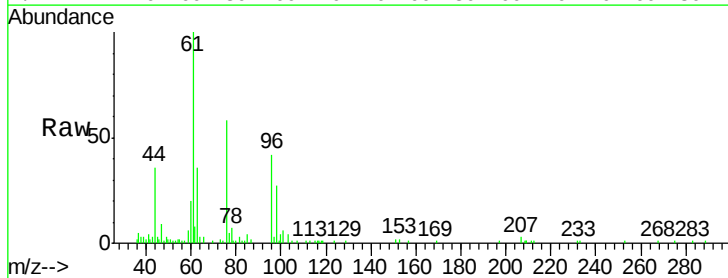
apatel
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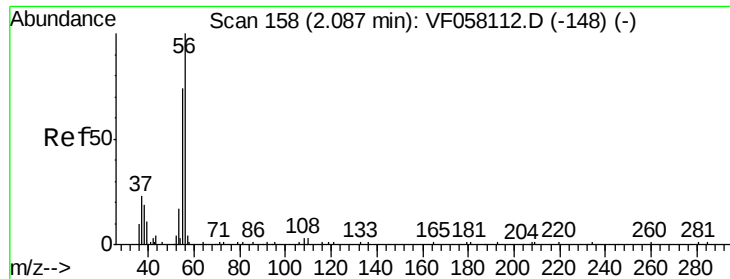


#12

1,1-Dichloroethene
Concen: 9.525 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.9	203.0	304.4
98	63.2	52.7	79.1





#13

Acrolein

Concen: 68.934 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 11472

Ion Ratio Lower Upper

56 100

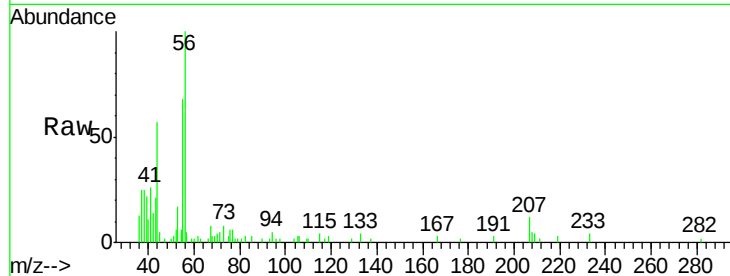
55 67.9 60.0 90.0

Manual Integrations

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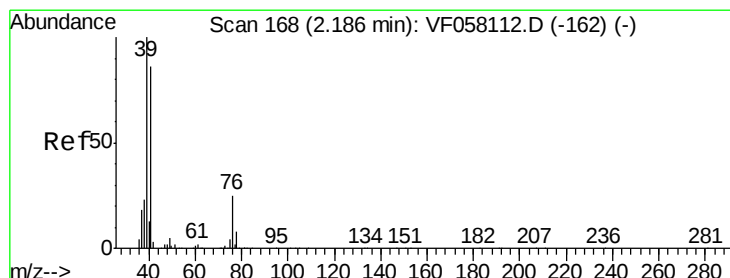
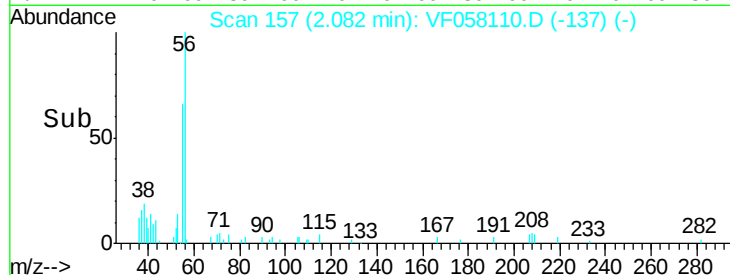
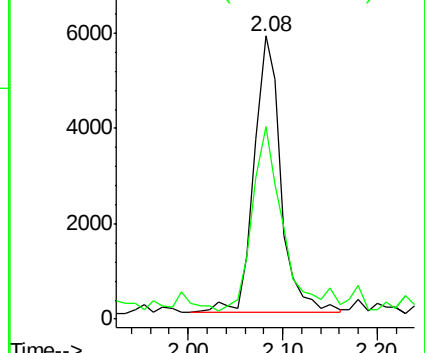
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 9.698 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

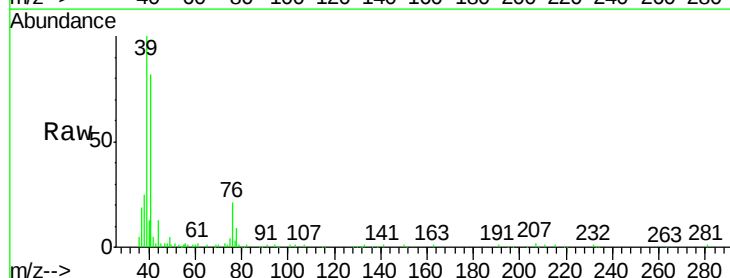
Tgt Ion: 41 Resp: 43430

Ion Ratio Lower Upper

41 100

39 122.6 93.5 140.3

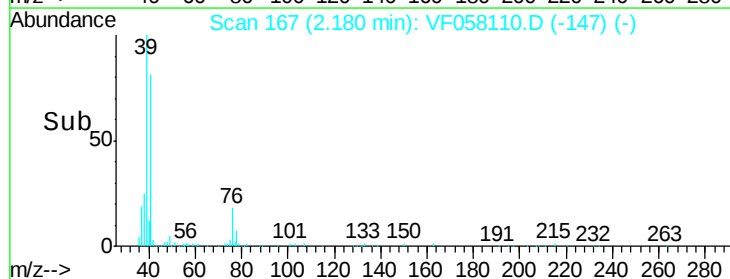
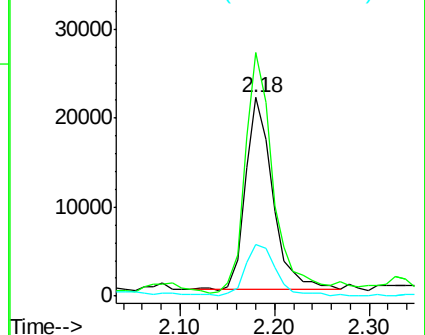
76 26.1 23.9 35.9

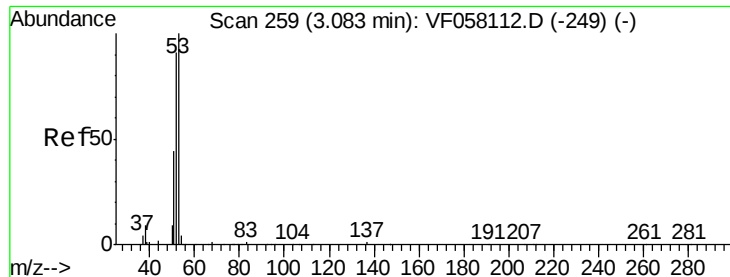


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 42.520 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

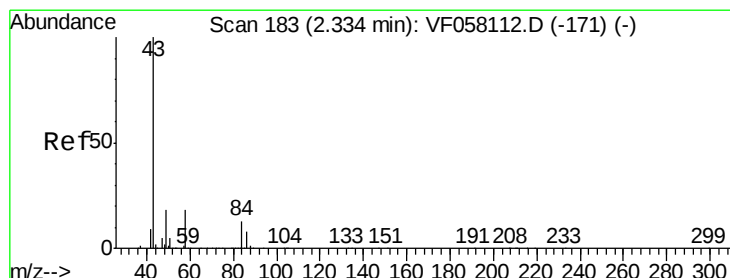
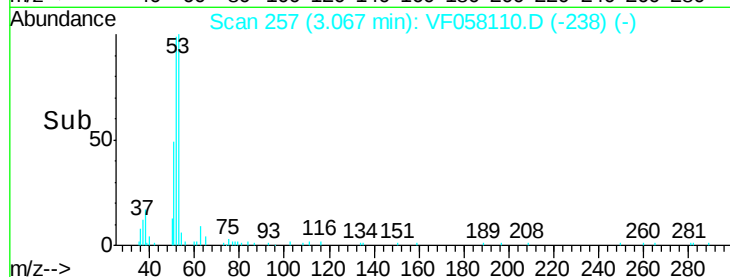
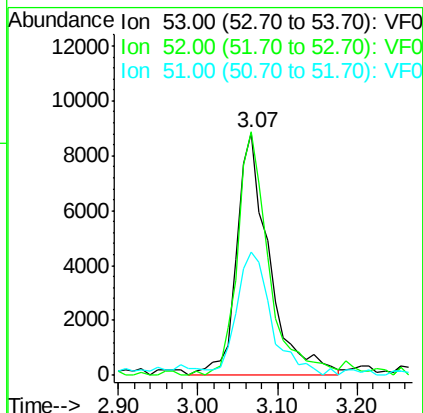
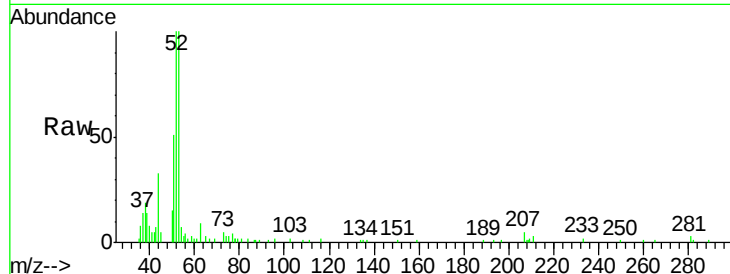
ClientSampleId :

VSTDIC010

Tgt Ion:	53	Resp:	25147
Ion	Ratio	Lower	Upper
53	100		
52	100.2	73.2	109.8
51	50.7	35.6	53.4

Manual Integrations
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#16

Acetone

Concen: 52.449 ug/l

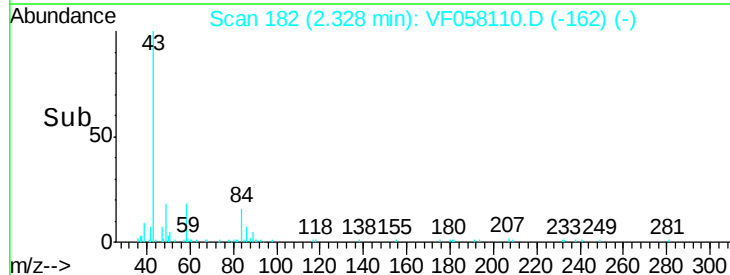
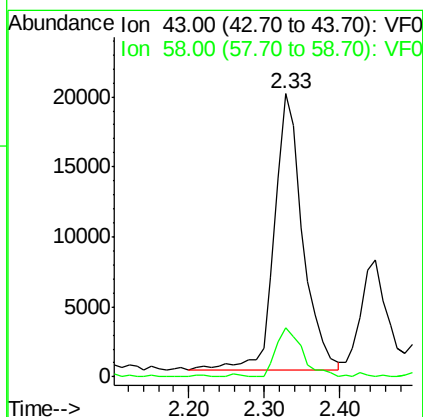
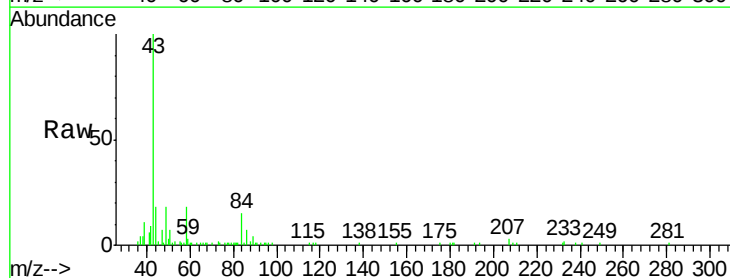
RT: 2.33 min Scan# 182

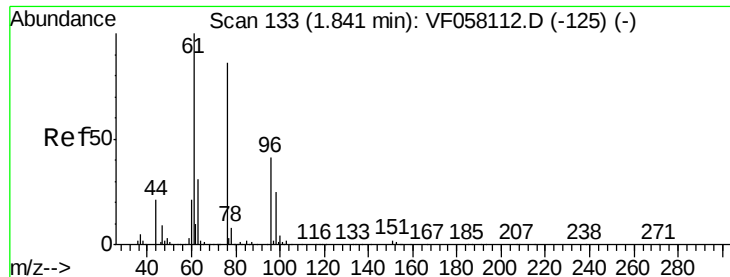
Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion:	43	Resp:	51384
Ion	Ratio	Lower	Upper
43	100		
58	17.6	14.4	21.6





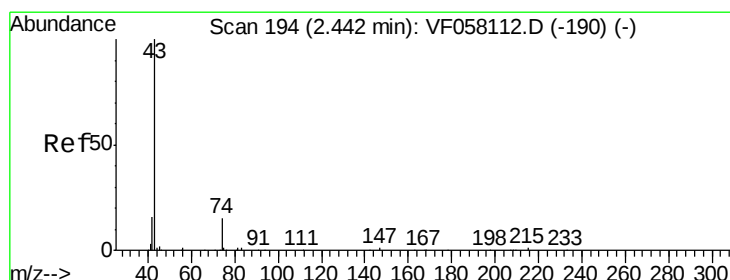
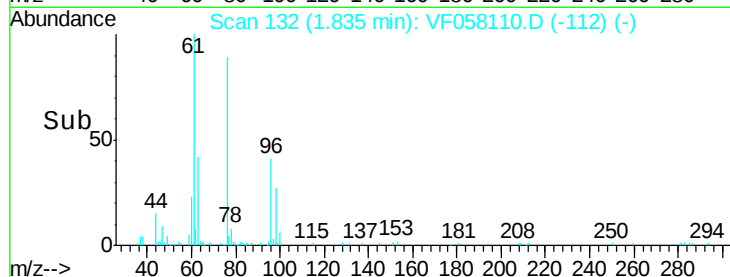
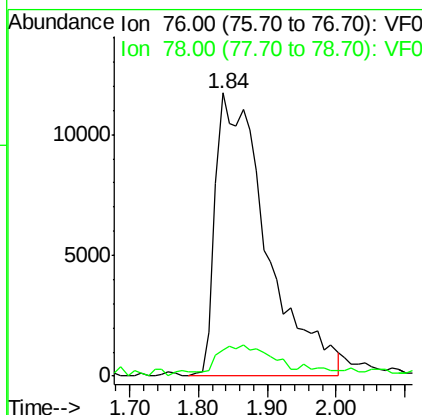
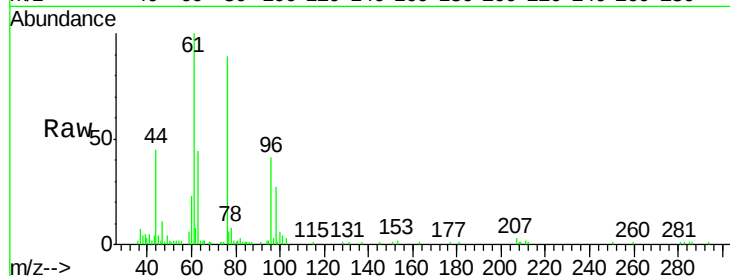
#17
Carbon Disulfide
Concen: 9.030 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 60702
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8

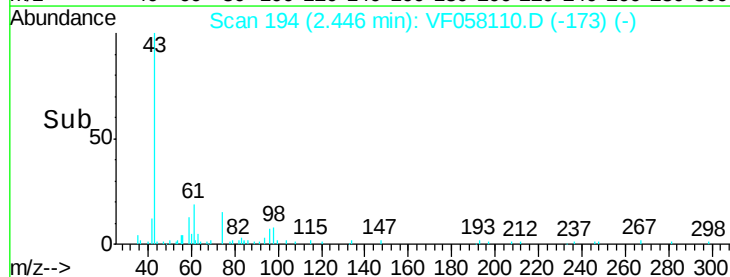
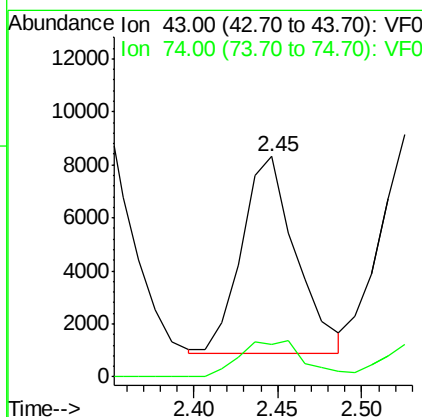
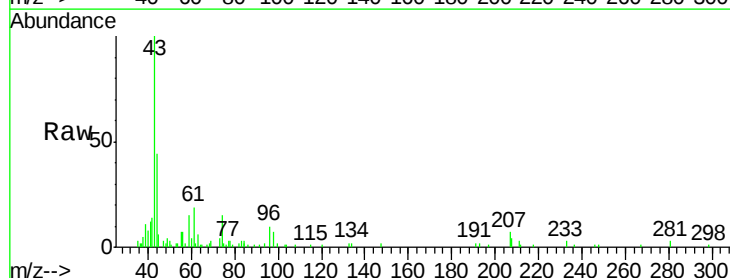
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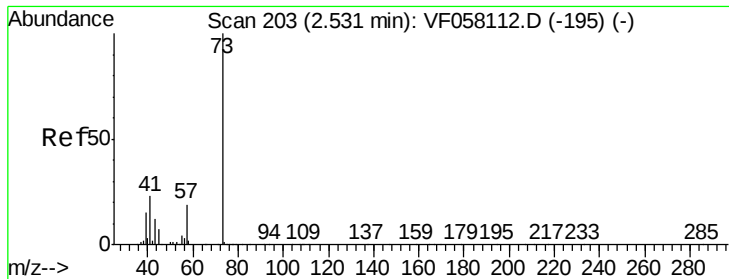
apatel
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#18
Methyl Acetate
Concen: 9.108 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion: 43 Resp: 16640
Ion Ratio Lower Upper
43 100
74 14.9 10.9 16.3





#19

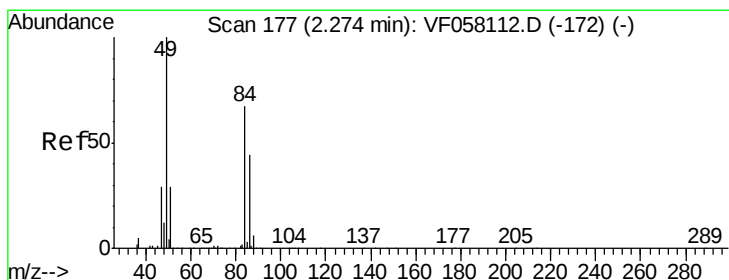
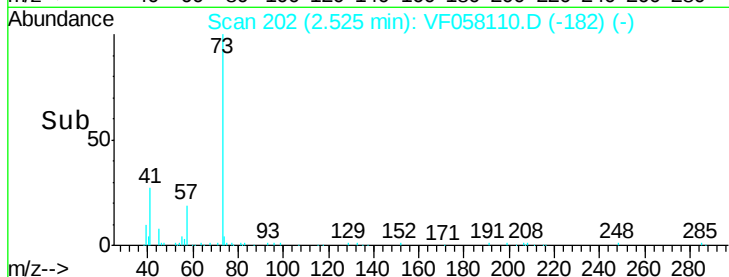
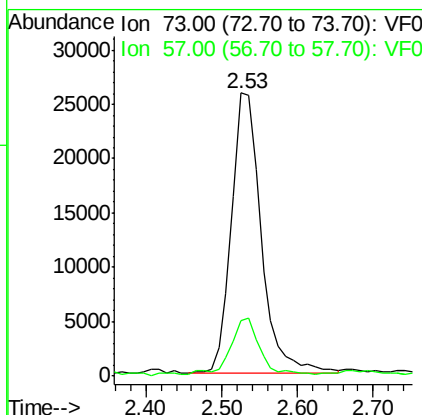
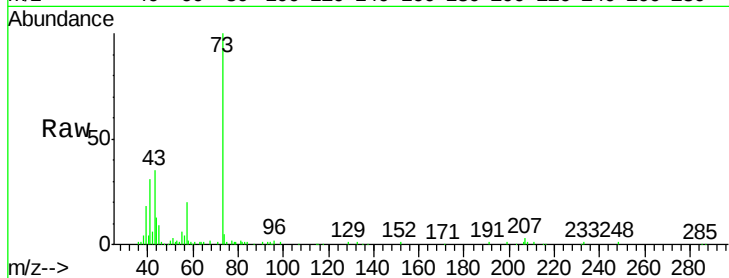
Methyl tert-butyl Ether
Concen: 9.577 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.0	22.4

Manual Integrations
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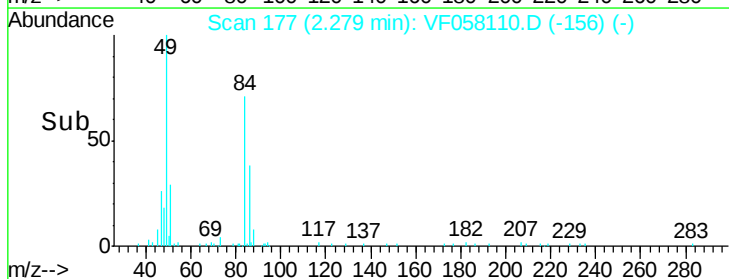
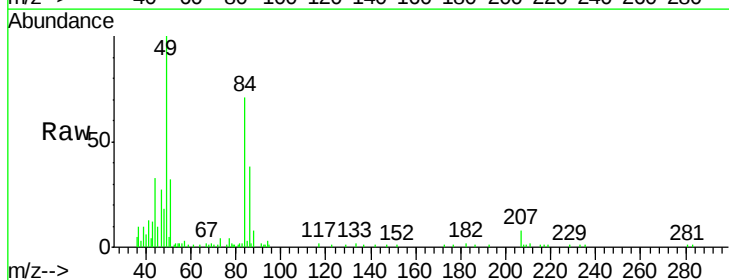
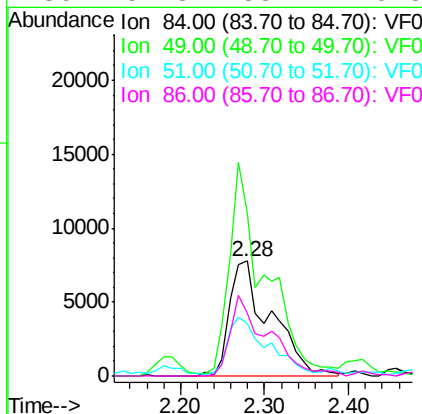
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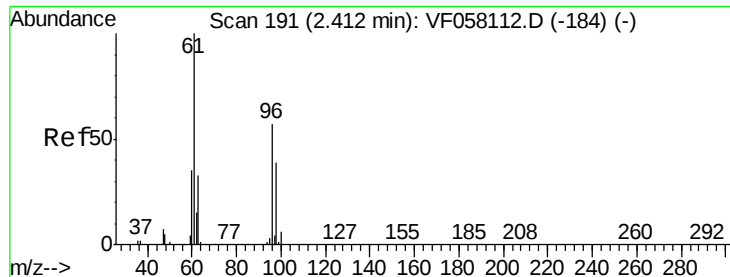


#20

Methylene Chloride
Concen: 11.029 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.7	121.0	181.4
51	45.3	35.8	53.6
86	54.3	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 9.767 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

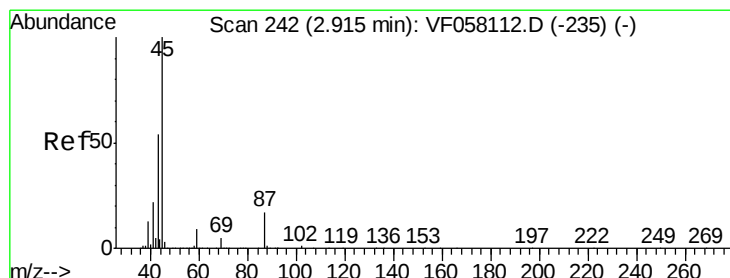
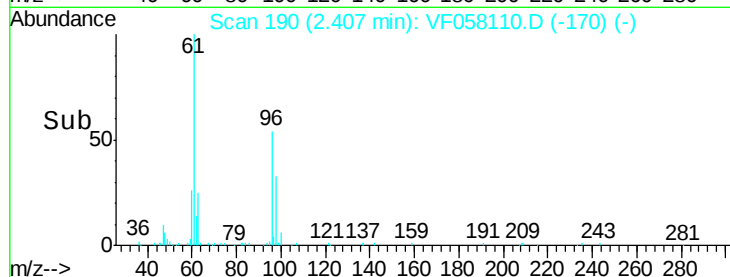
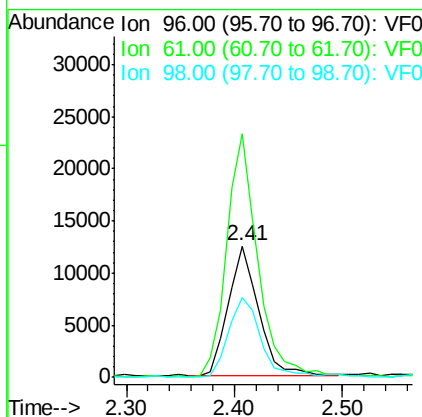
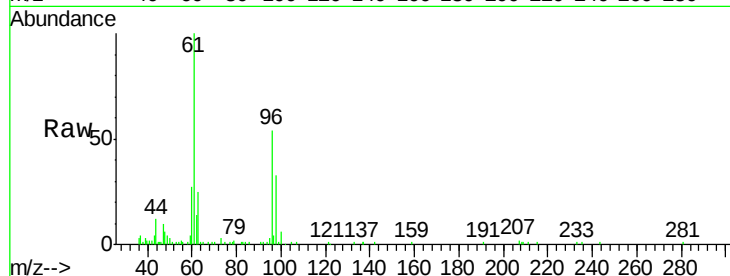
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	24698
Ion Ratio	Lower	Upper	
96	100		
61	185.0	139.4	209.2
98	61.0	54.0	81.0

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#22

Diisopropyl ether

Concen: 10.107 ug/l

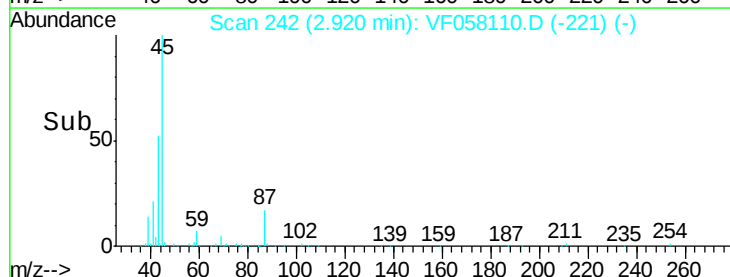
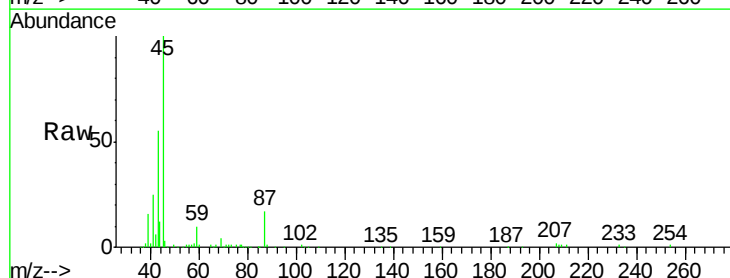
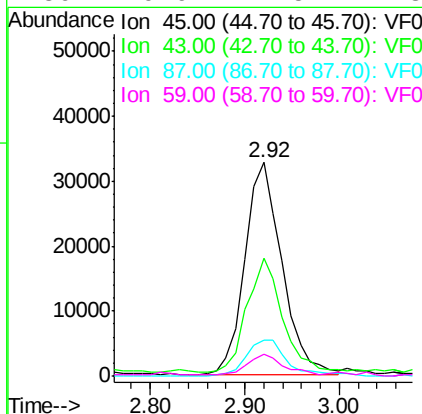
RT: 2.92 min Scan# 242

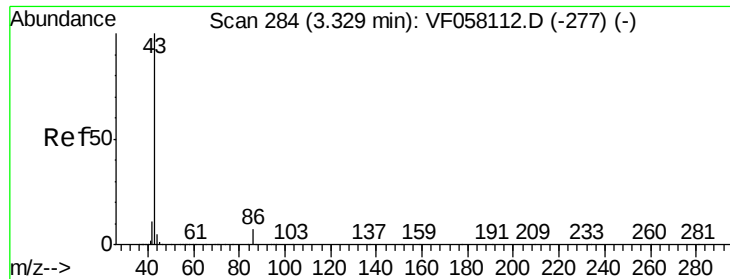
Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion:	45	Resp:	88606
Ion Ratio	Lower	Upper	
45	100		
43	54.9	43.2	64.8
87	17.0	13.8	20.6
59	9.9	7.5	11.3





#23

Vinyl Acetate

Concen: 46.502 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

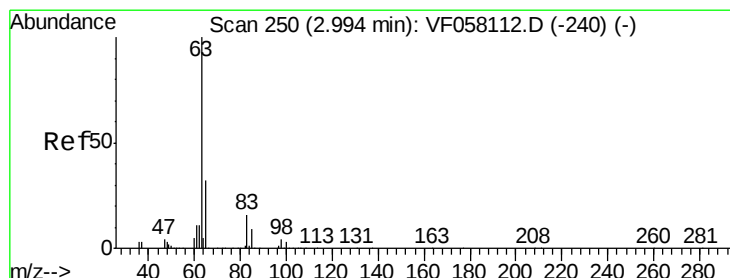
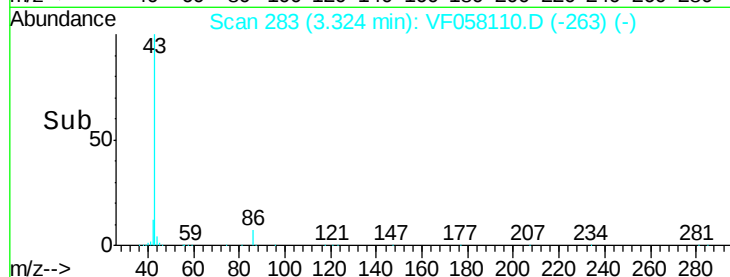
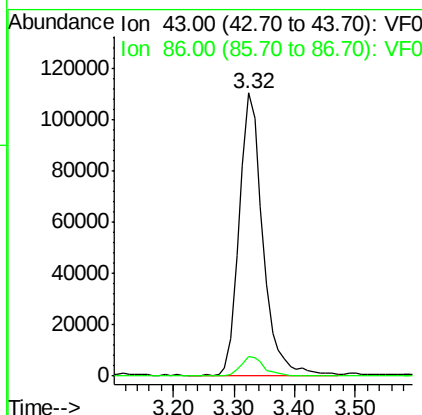
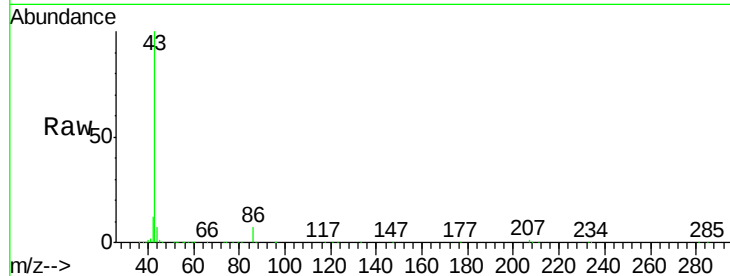
ClientSampleId :

VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	298690		
86	6.8	6.0	9.0	

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.143 ug/l

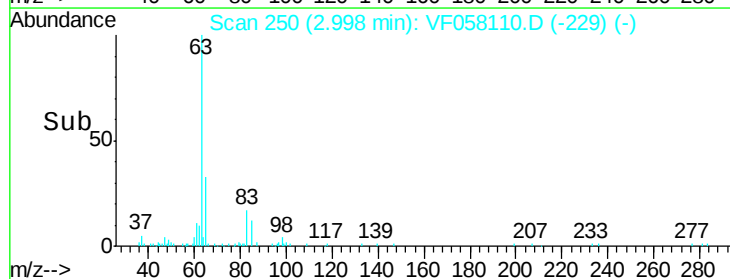
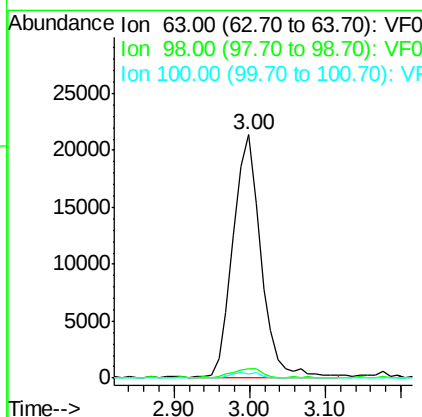
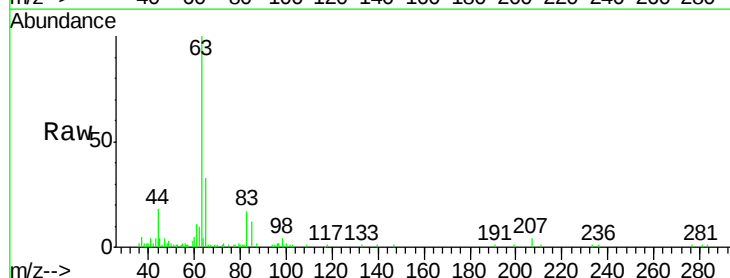
RT: 3.00 min Scan# 250

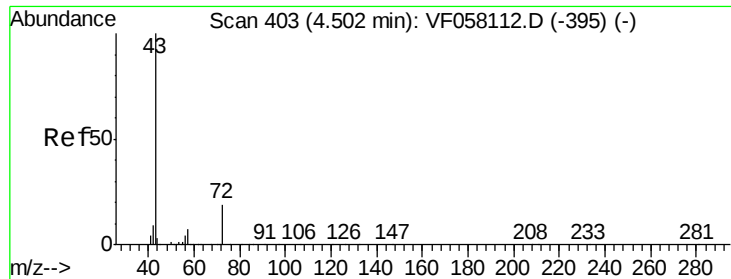
Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	55081		
98	3.8	2.0	6.0	
100	2.0	1.4	4.0	





#25

2-Butanone

Concen: 52.191 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 82942

Ion Ratio Lower Upper

43 100

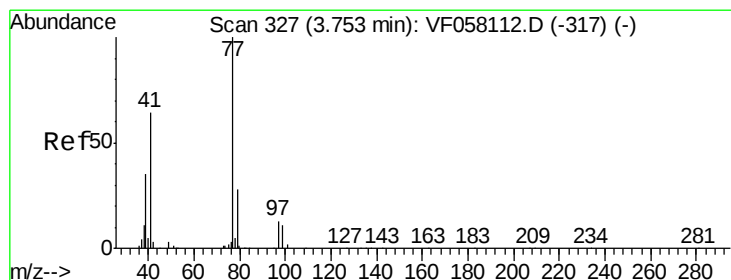
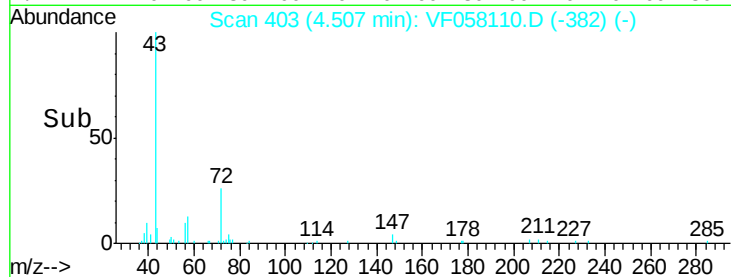
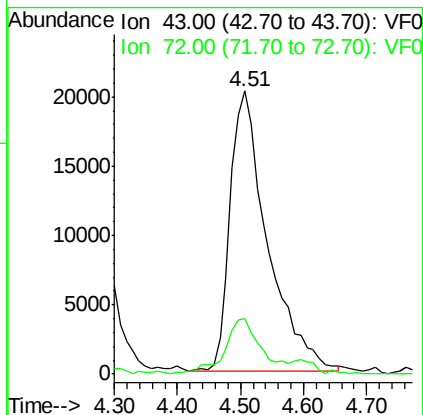
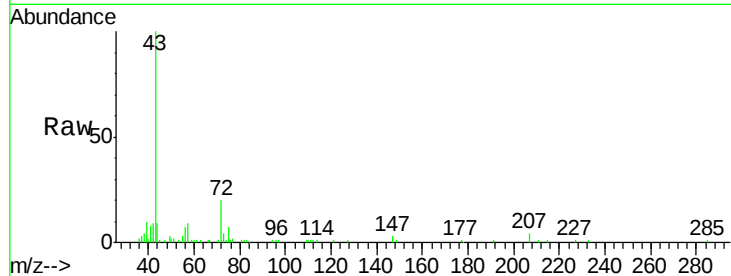
72 19.7 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.092 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF058110.D

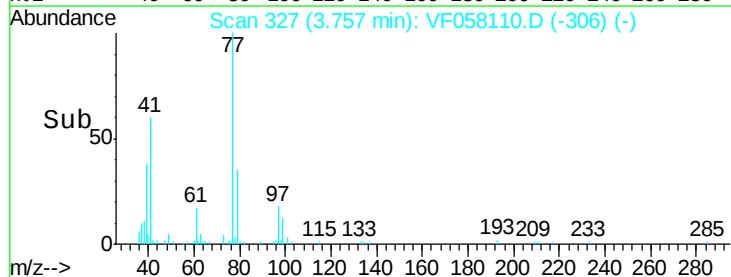
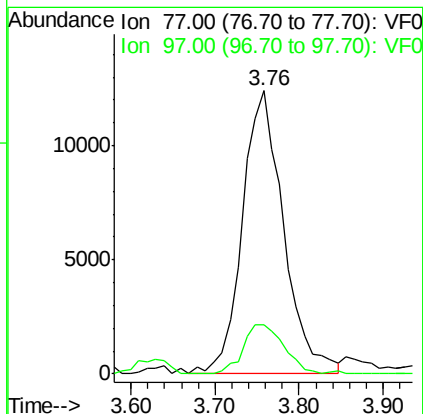
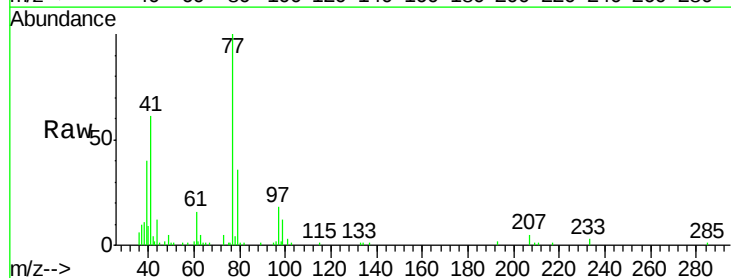
Acq: 6 Jun 2018 16:45

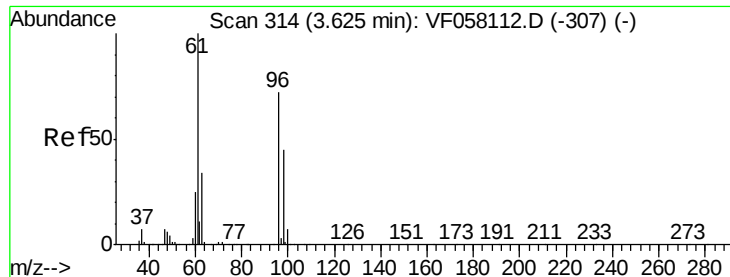
Tgt Ion: 77 Resp: 42569

Ion Ratio Lower Upper

77 100

97 17.6 7.2 21.6





#27

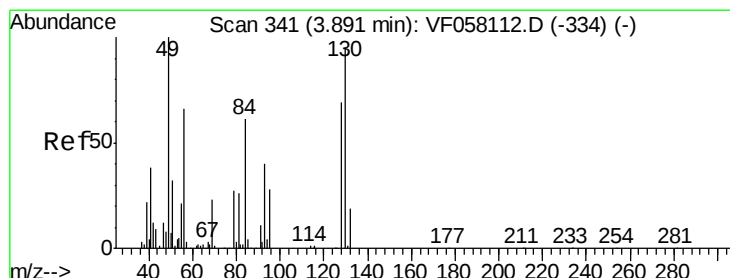
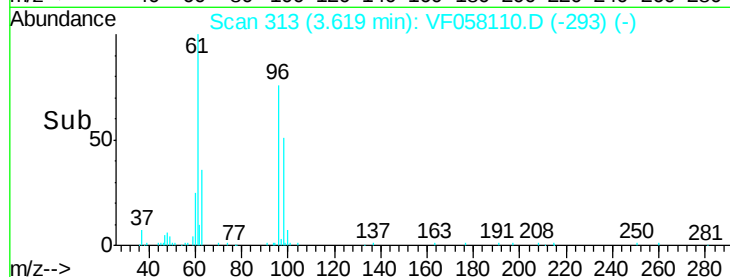
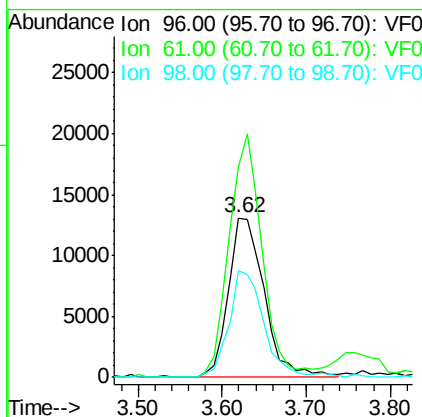
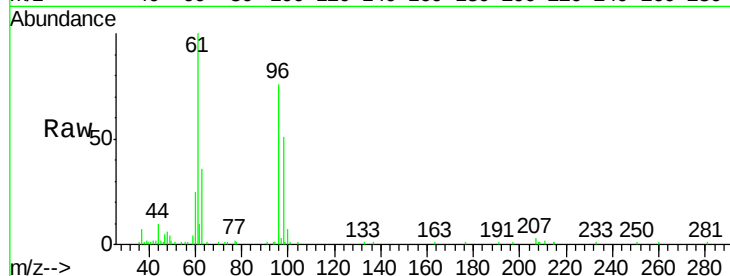
cis-1,2-Dichloroethene
Concen: 9.257 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	38924		
61	132.3	0.0	278.6	
98	66.9	0.0	125.2	

Manual Integrations
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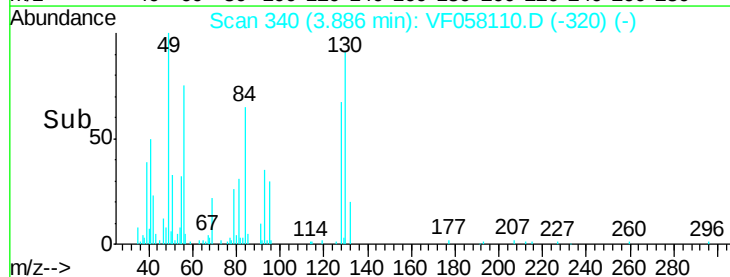
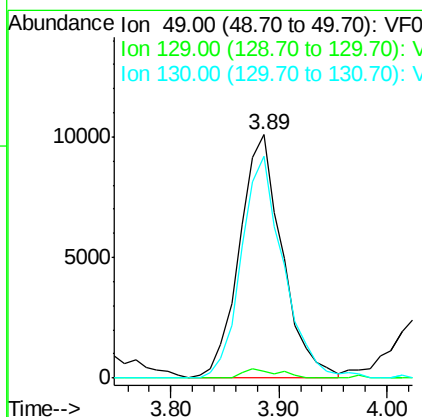
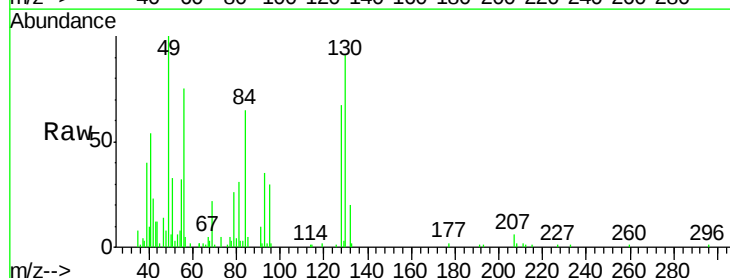
apatel
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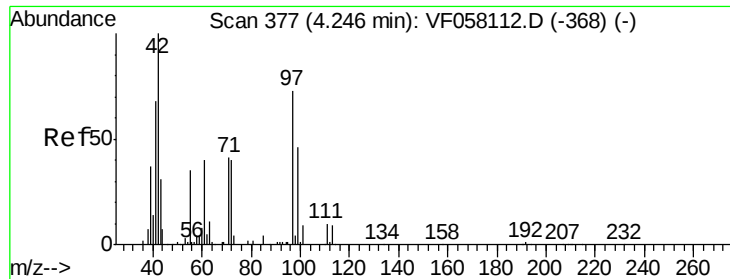


#28

Bromochloromethane
Concen: 11.638 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27921		
129	2.8	0.0	0.0#	
130	91.3	75.8	113.8	





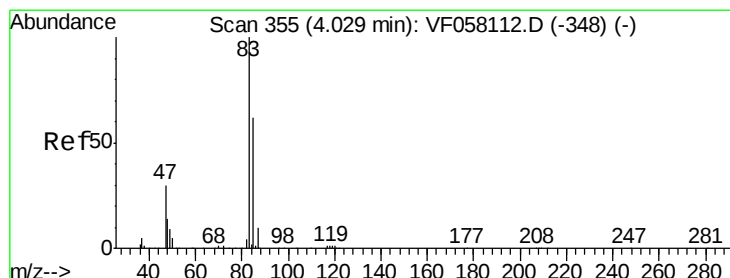
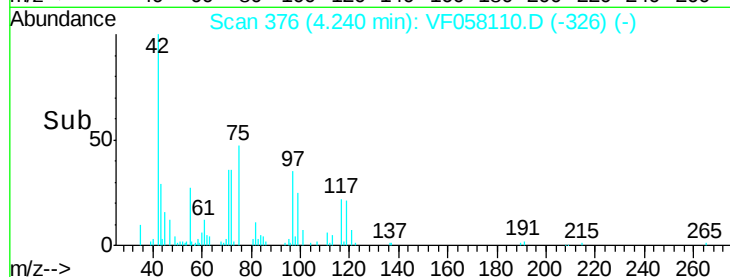
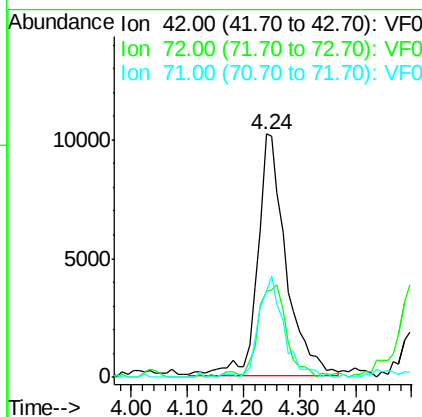
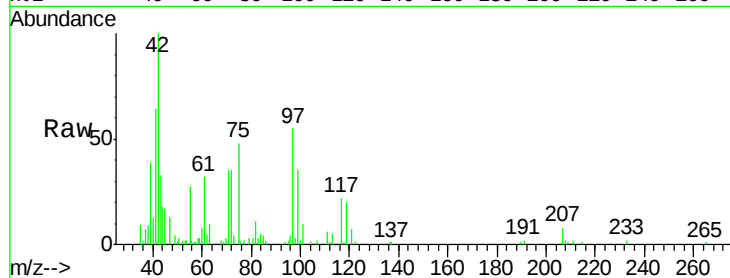
#29
Tetrahydrofuran
Concen: 48.768 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.5	45.7
71	36.3	31.5	47.3

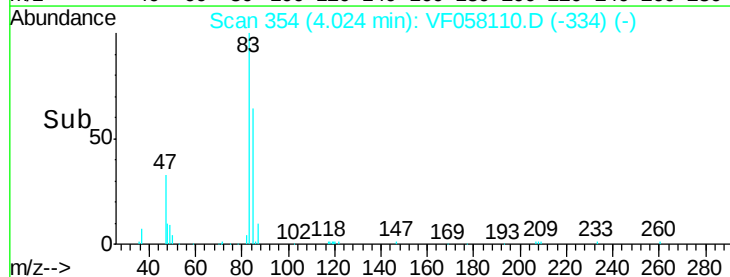
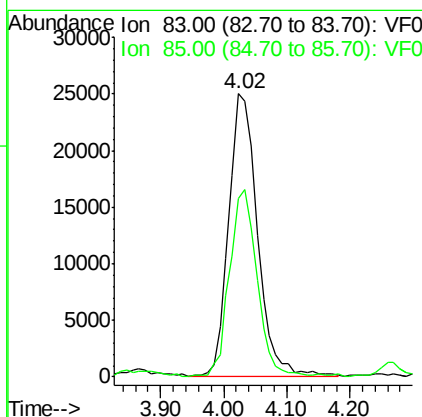
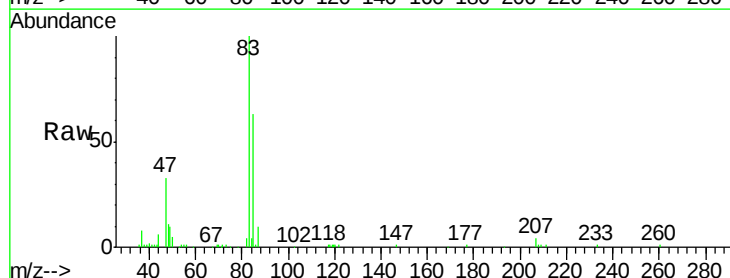
Manual Integrations
APPROVED

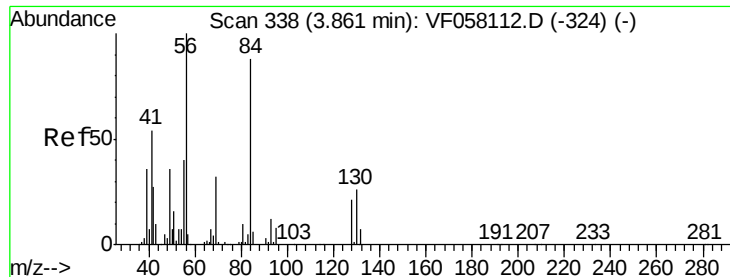
apatel
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#30
Chloroform
Concen: 9.743 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.5	74.3





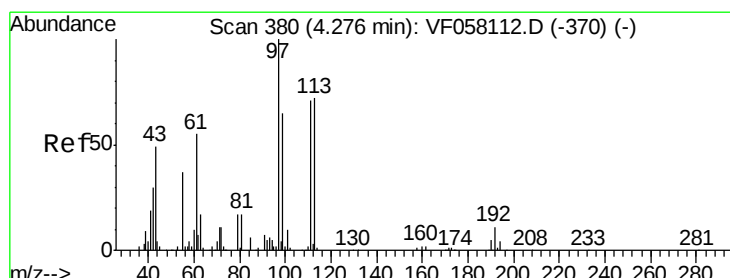
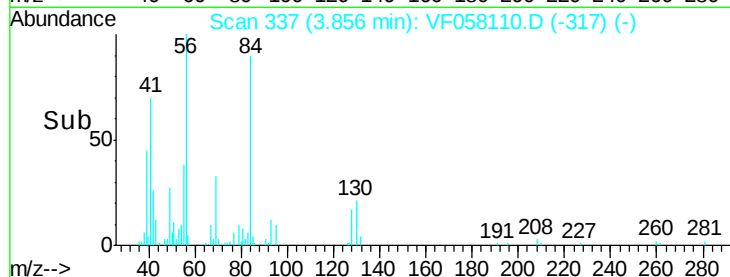
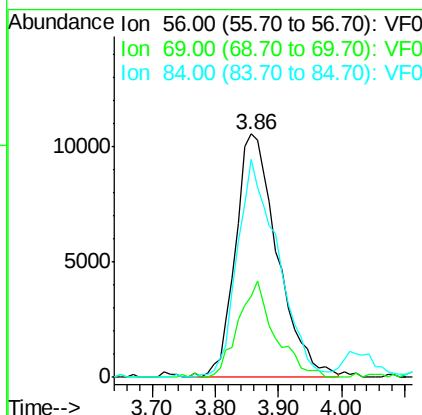
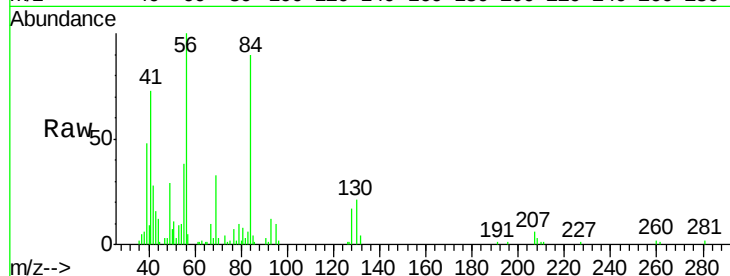
#31
Cyclohexane
Concen: 9.517 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.9	38.9
84	89.8	70.3	105.5

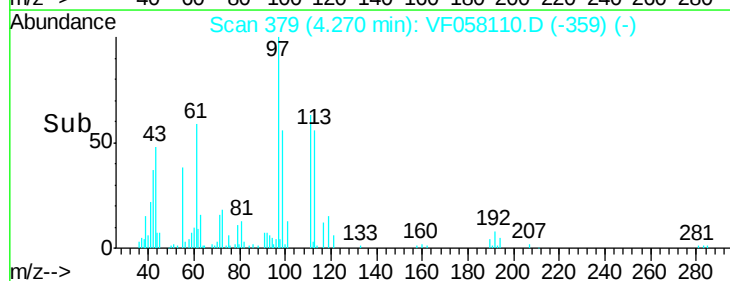
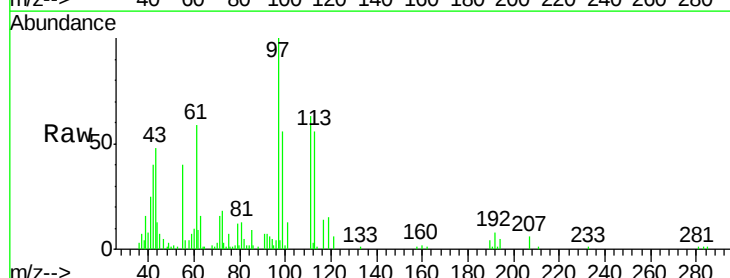
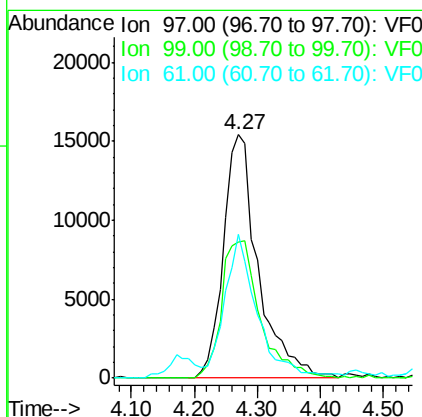
Manual Integrations
APPROVED

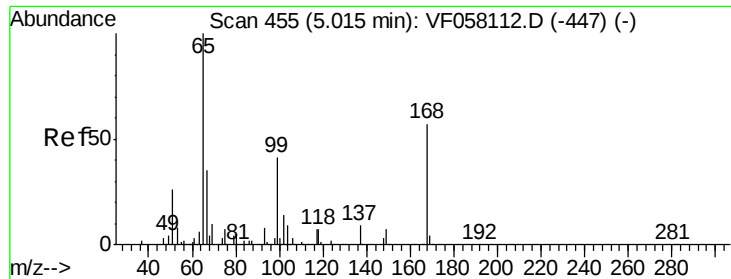
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#32
1,1,1-Trichloroethane
Concen: 10.168 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	55.7	52.0	78.0
61	58.9	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 9.624 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion: 65 Resp: 43065

Ion Ratio Lower Upper

65 100

67 46.3 0.0 97.0

Instrument :

MSVOA_F

ClientSampleId :

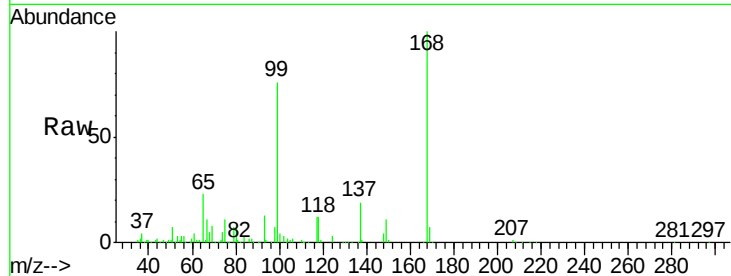
VSTDIC010

Manual Integrations

APPROVED

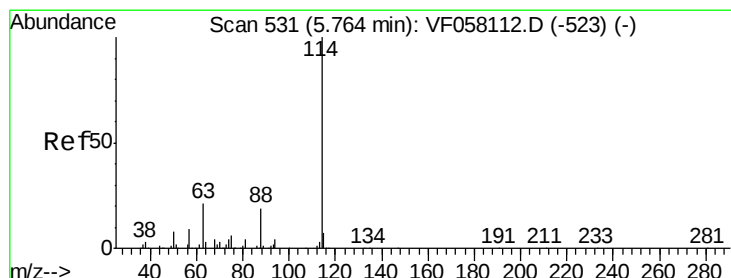
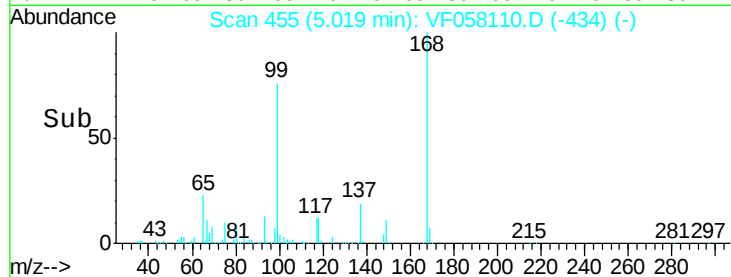
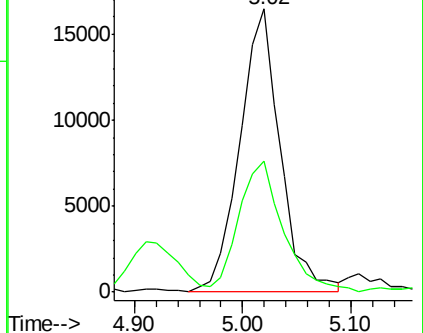
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

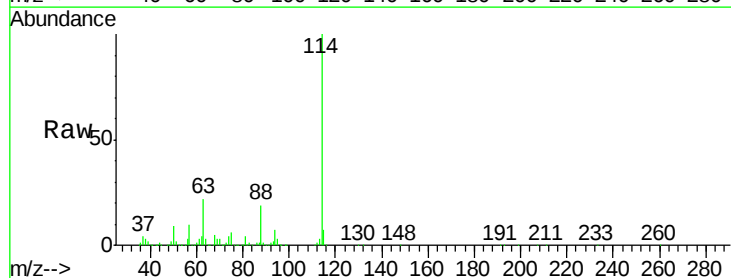
Tgt Ion: 114 Resp: 579615

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

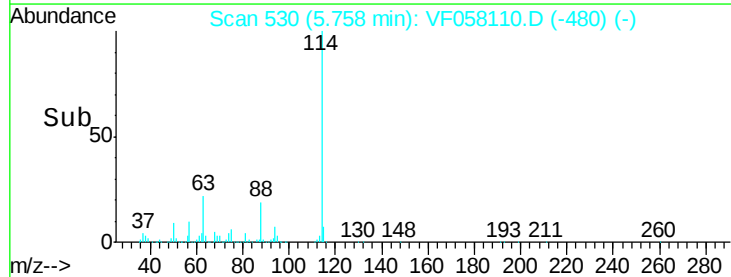
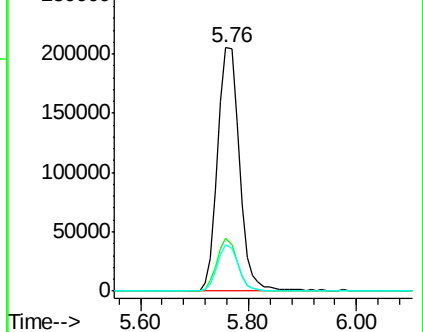
88 18.9 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 8.846 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

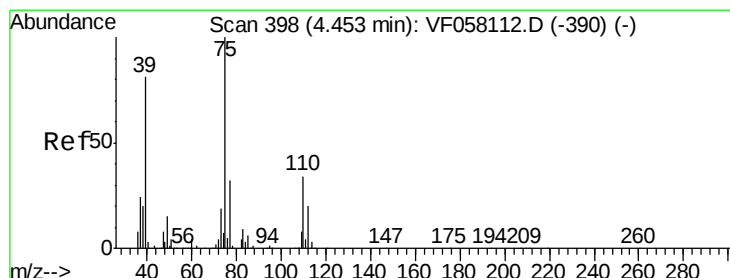
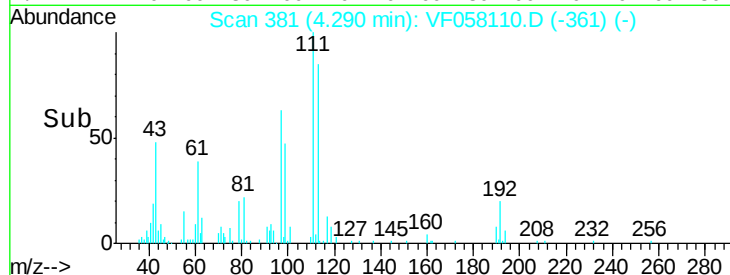
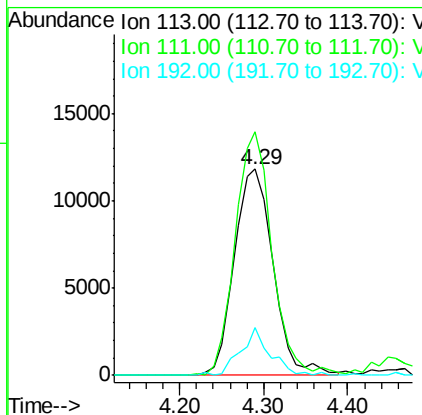
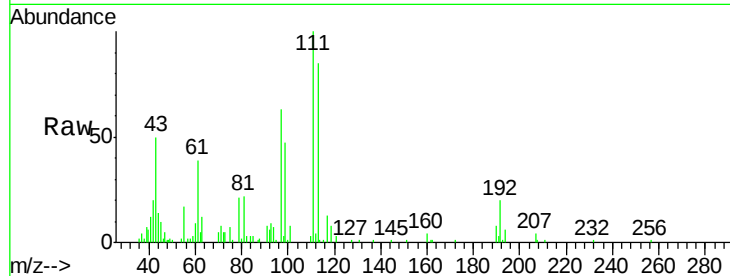
ClientSampleId :

VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	38028		
111	118.3	81.3	121.9	
192	23.4	12.7	19.1#	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 9.310 ug/l

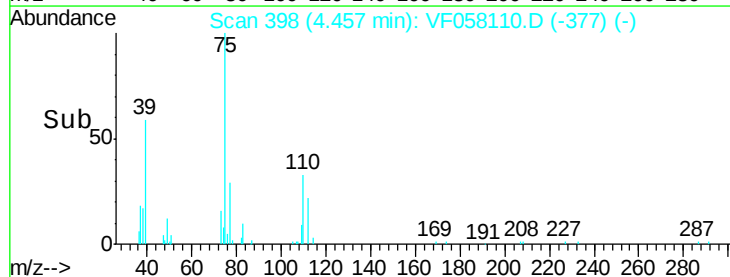
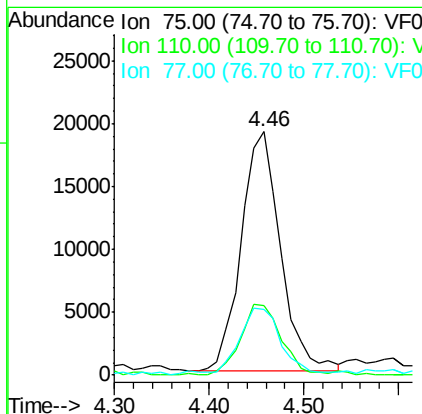
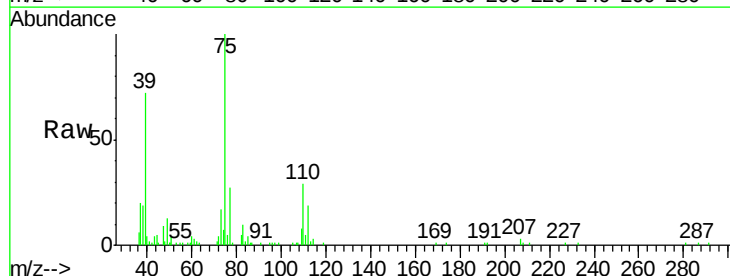
RT: 4.46 min Scan# 398

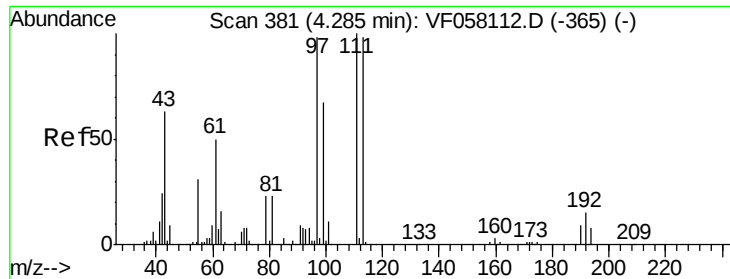
Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54578		
110	28.6	17.0	50.9	
77	26.9	25.3	37.9	





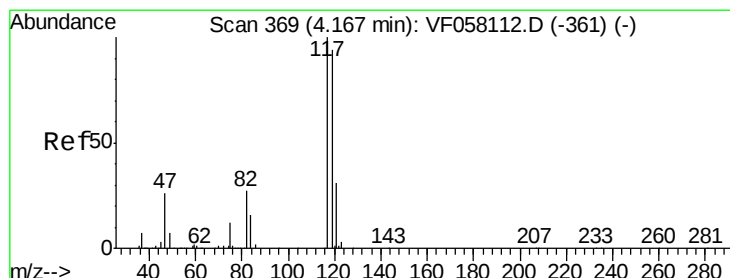
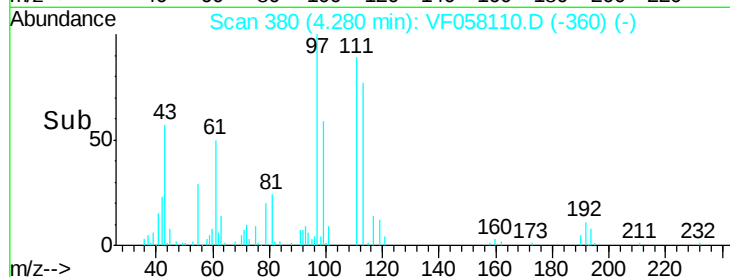
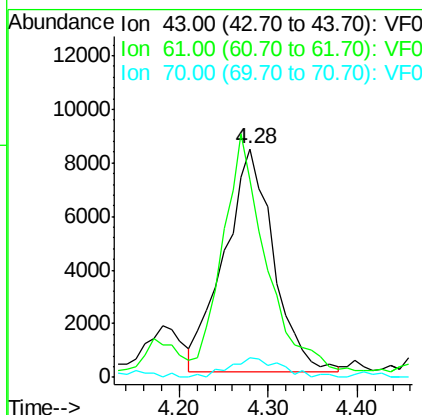
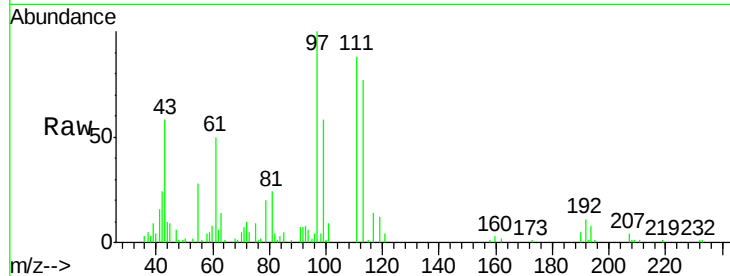
#37
Ethyl Acetate
Concen: 9.221 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	86.3	63.0	94.4
70	8.3	7.5	11.3

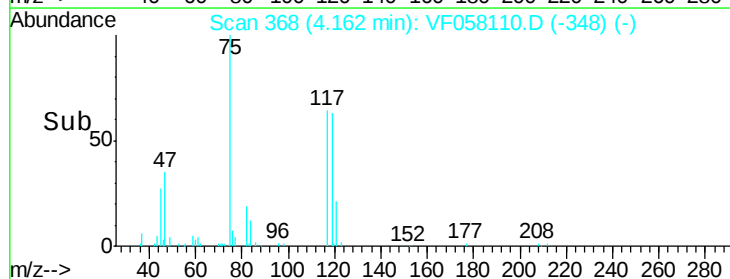
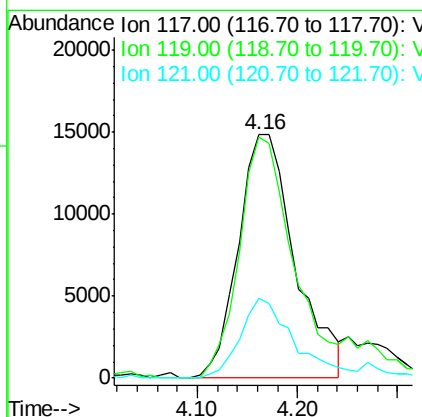
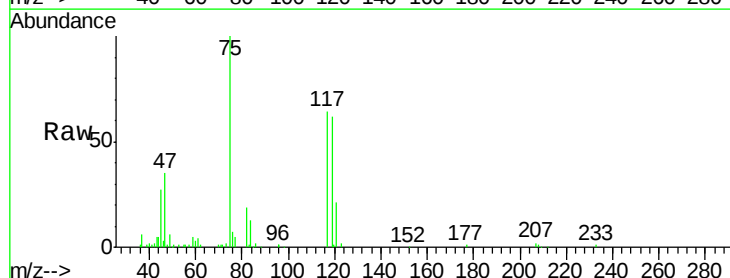
Manual Integrations
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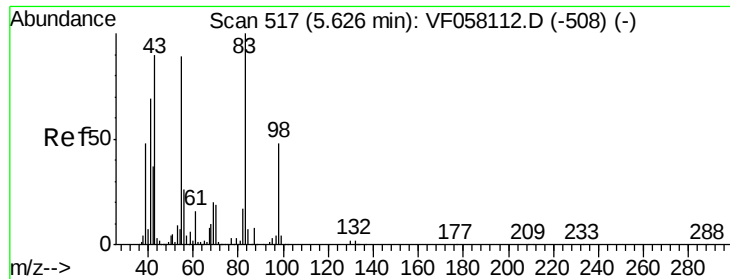
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#38
Carbon Tetrachloride
Concen: 9.421 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.7	113.5
121	32.9	24.8	37.2





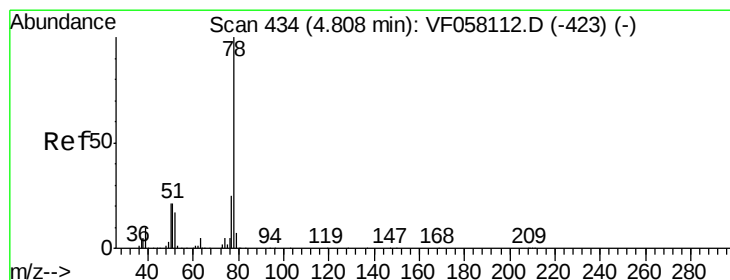
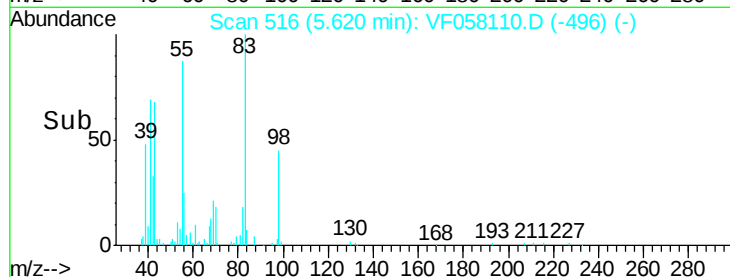
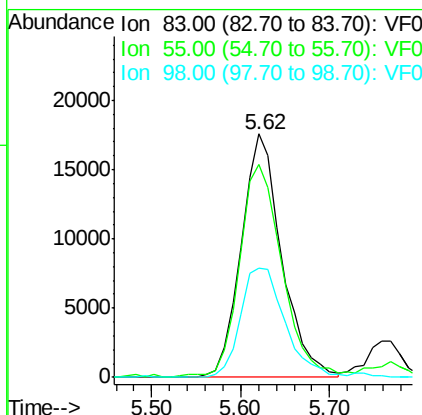
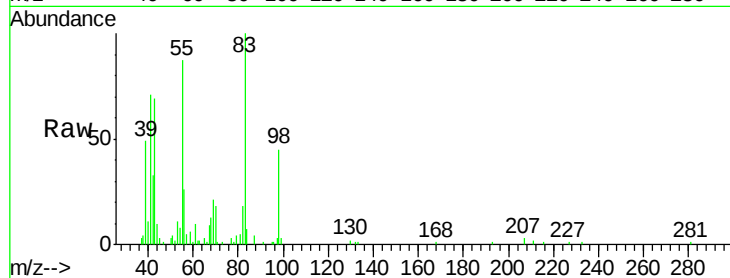
#39
Methylcyclohexane
Concen: 9.125 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.3	71.0	106.4
98	44.7	38.1	57.1

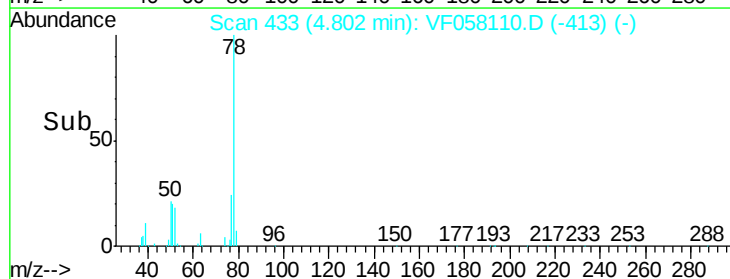
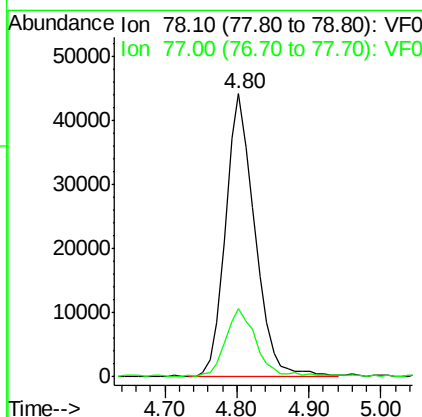
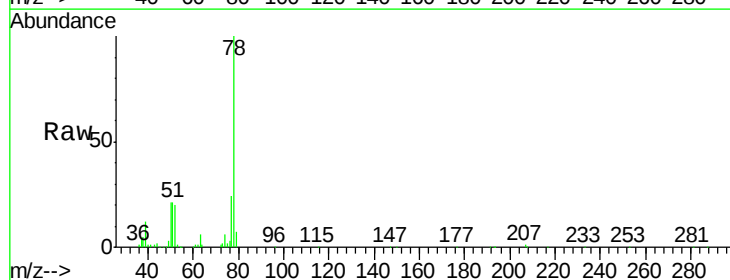
Manual Integrations
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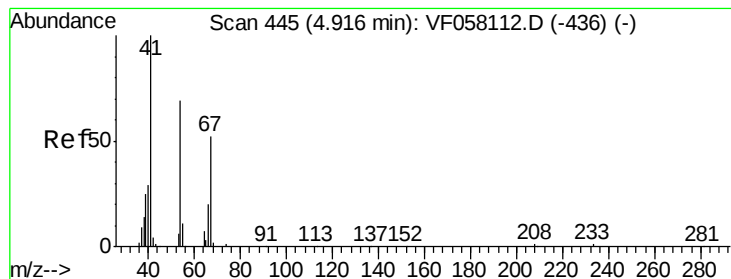
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#40
Benzene
Concen: 9.109 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.2	30.2





#41

Methacrylonitrile

Concen: 9.040 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF058110.D

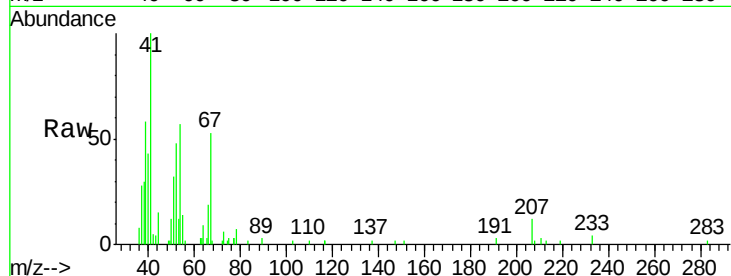
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.7	53.0	79.4
67	52.8	41.0	61.6
52	48.4	36.8	55.2

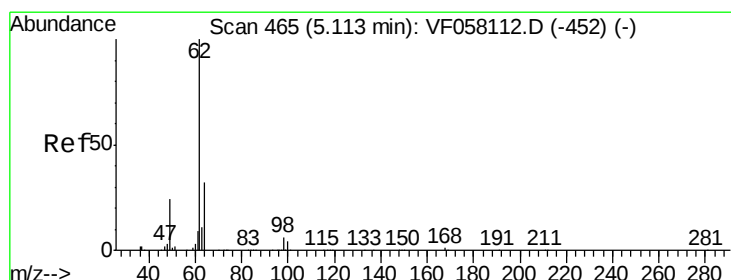
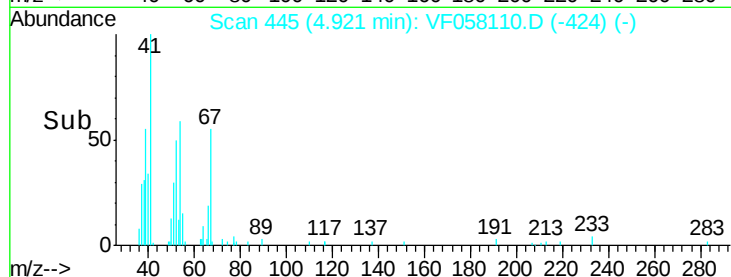
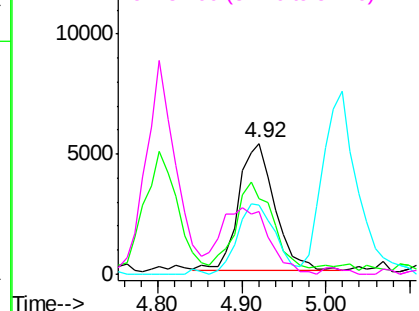
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

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Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 9.679 ug/l

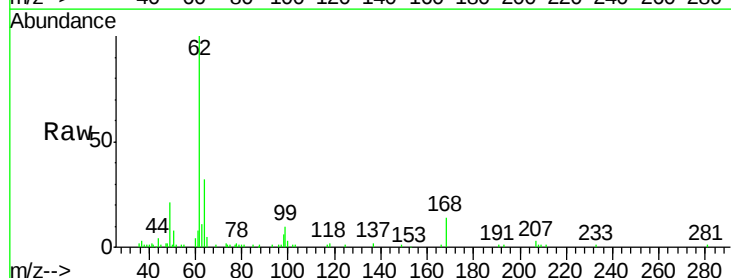
RT: 5.11 min Scan# 464

Delta R.T. -0.01 min

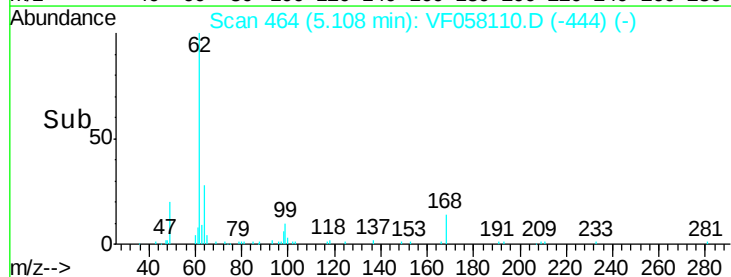
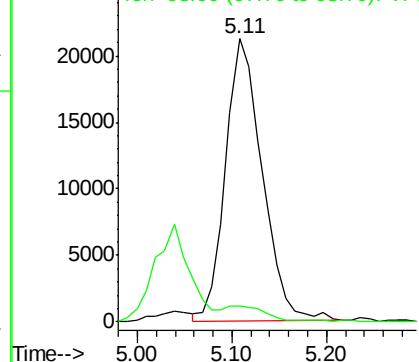
Lab File: VF058110.D

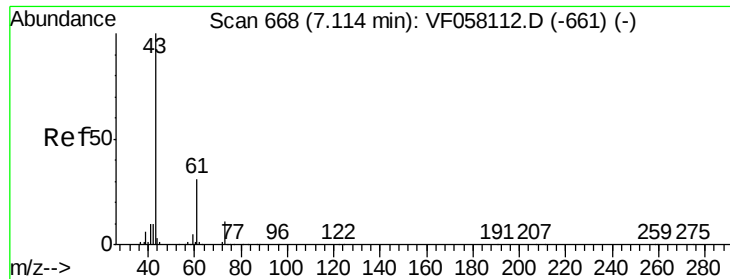
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





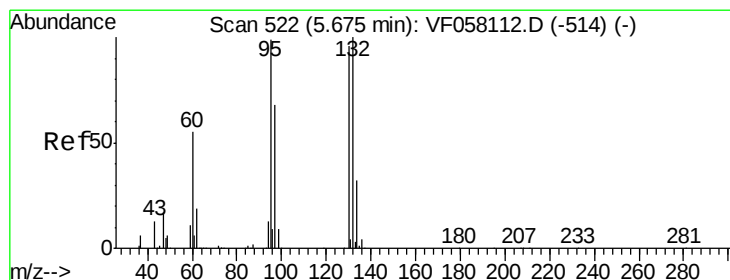
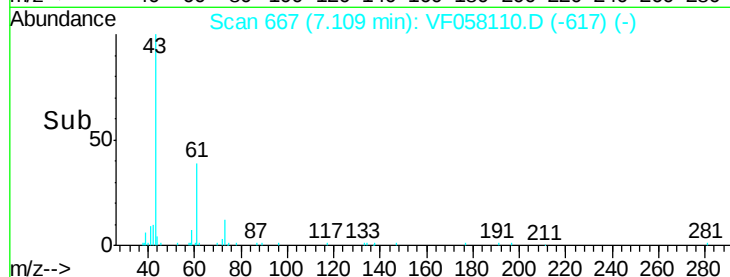
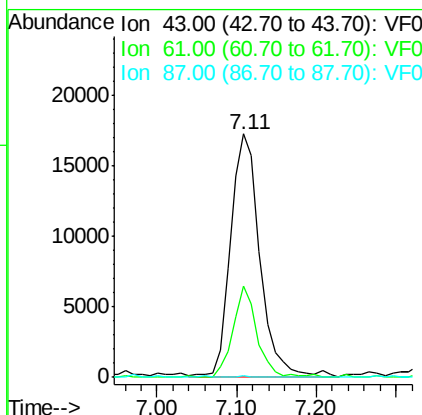
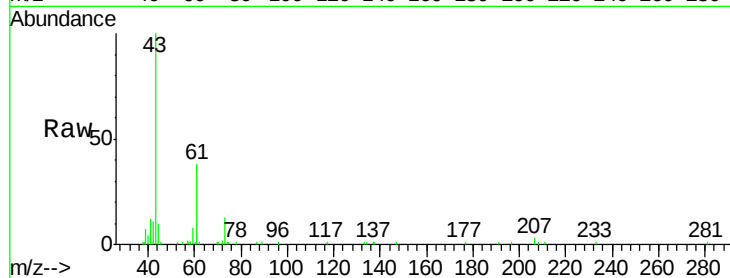
#43
Isopropyl Acetate
Concen: 9.550 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	37.5	25.1	37.7
87	0.6	0.2	0.4

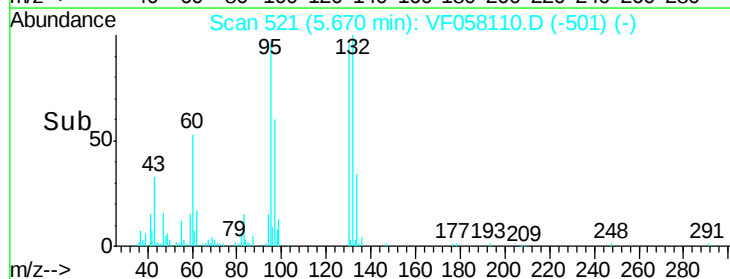
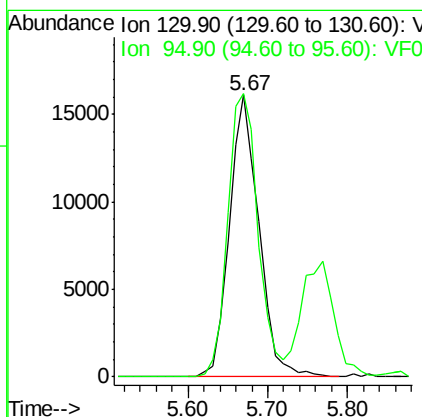
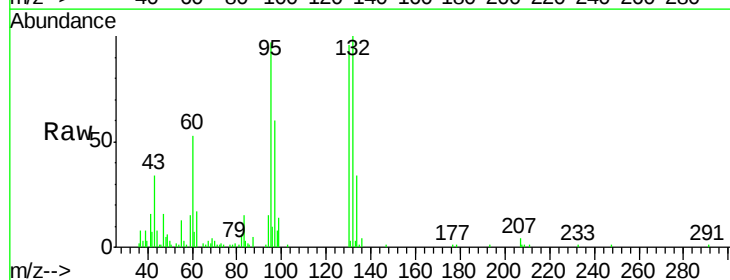
Manual Integrations
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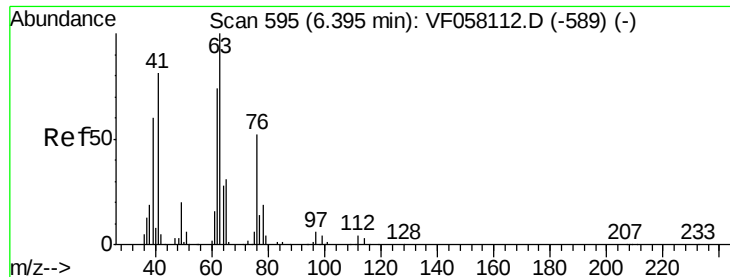
apatel
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#44
Trichloroethene
Concen: 9.695 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	206.8





#45

1,2-Dichloropropane

Concen: 9.430 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 37624

Ion Ratio Lower Upper

63 100

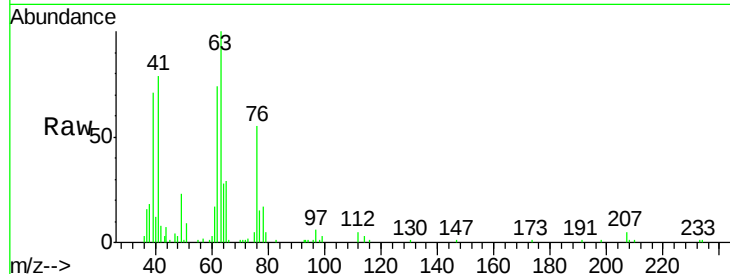
65 28.5 24.6 37.0

Manual Integrations

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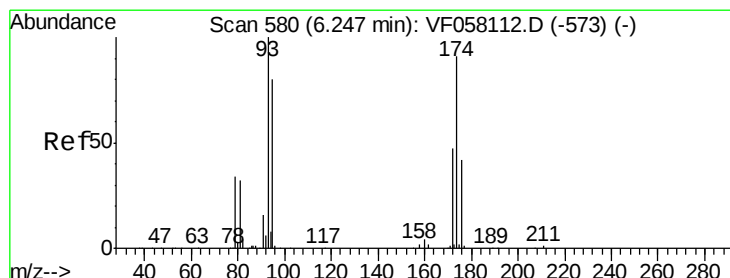
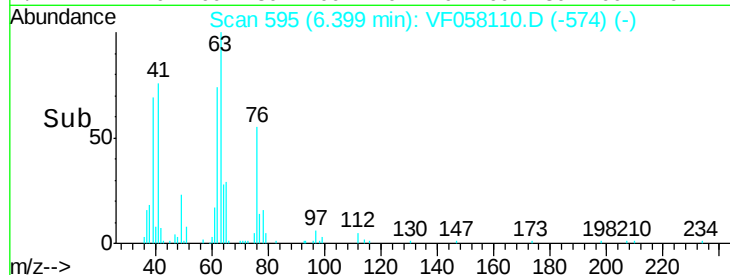
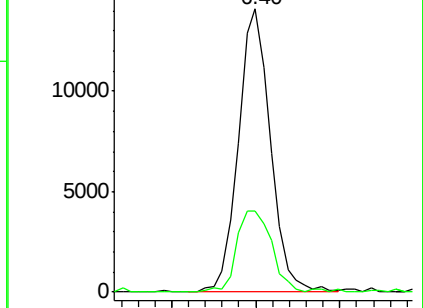
apatel

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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: 9.077 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

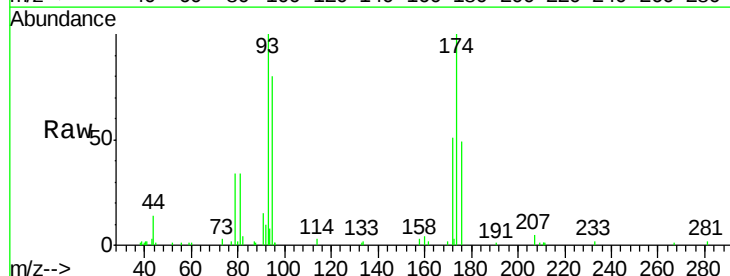
Tgt Ion: 93 Resp: 27338

Ion Ratio Lower Upper

93 100

95 81.3 64.2 96.4

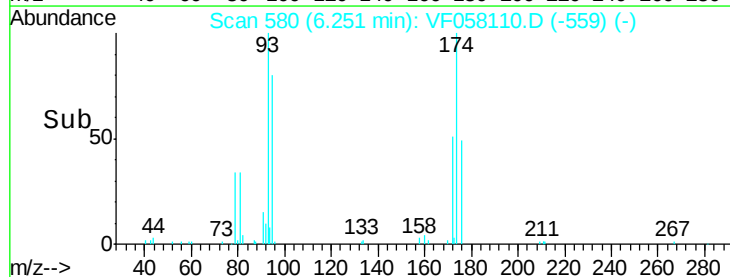
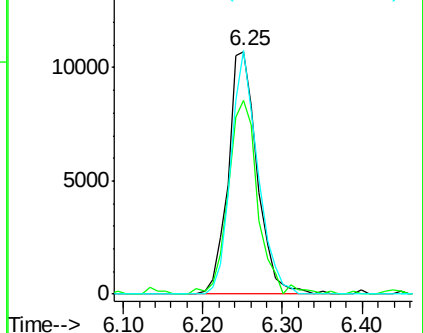
174 100.3 72.7 109.1

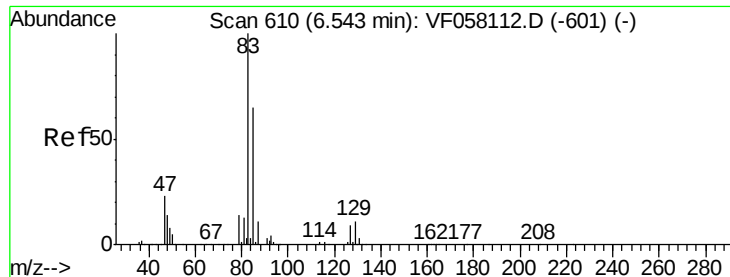


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 9.530 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

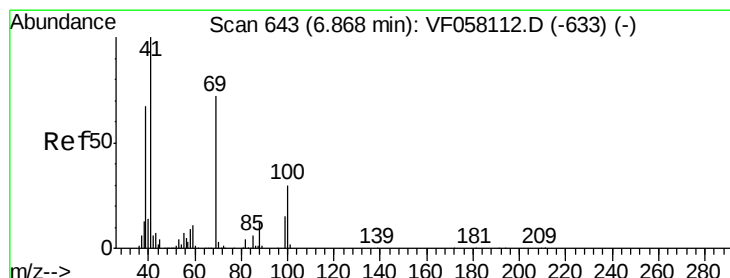
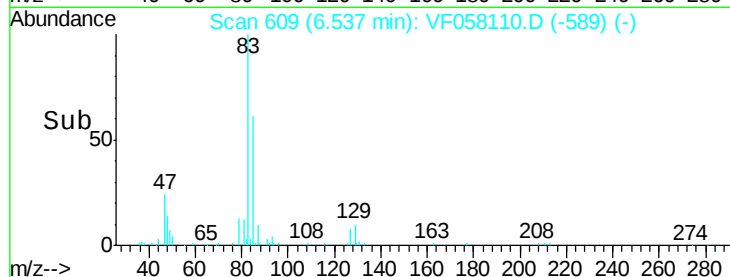
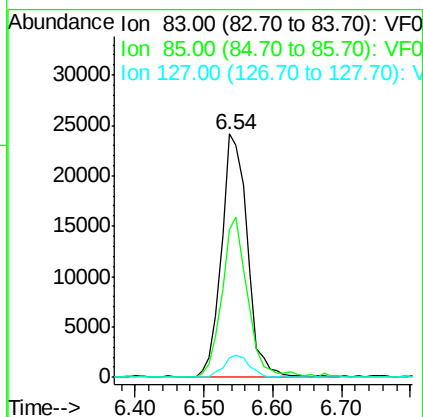
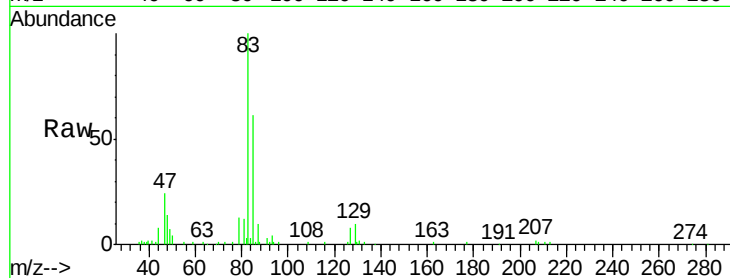
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	63327
Ion Ratio	Lower	Upper	
83	100		
85	60.7	51.6	77.4
127	8.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.415 ug/l

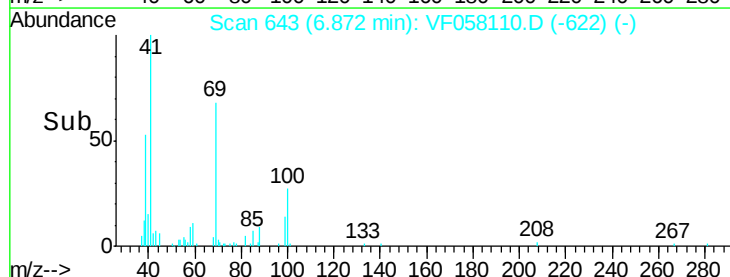
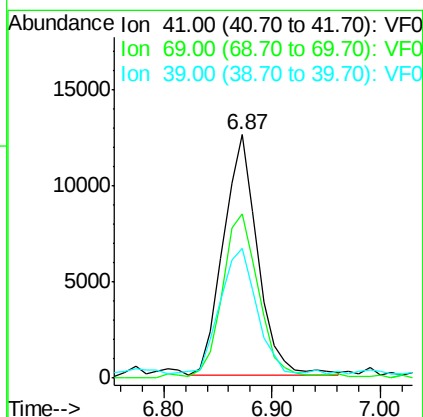
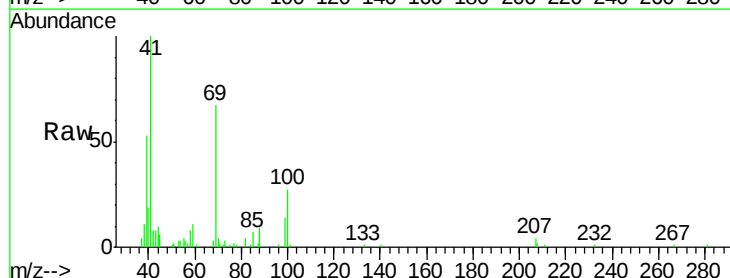
RT: 6.87 min Scan# 643

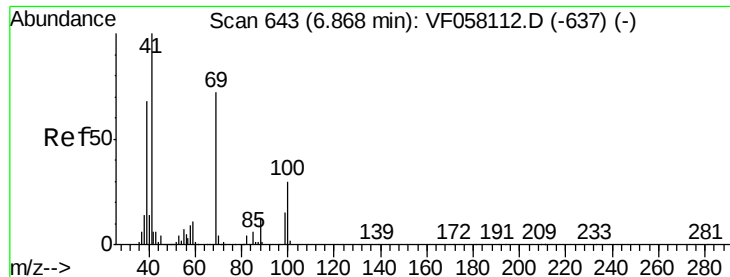
Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion:	41	Resp:	27888
Ion Ratio	Lower	Upper	
41	100		
69	67.4	57.2	85.8
39	53.4	54.3	81.5#





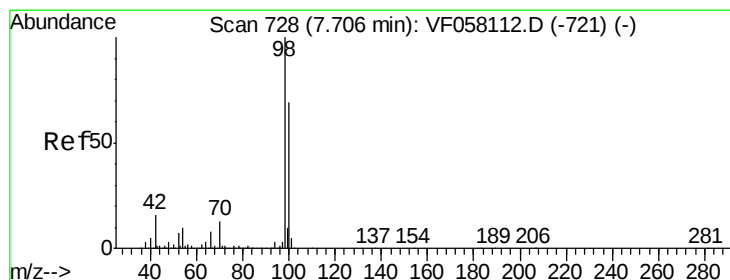
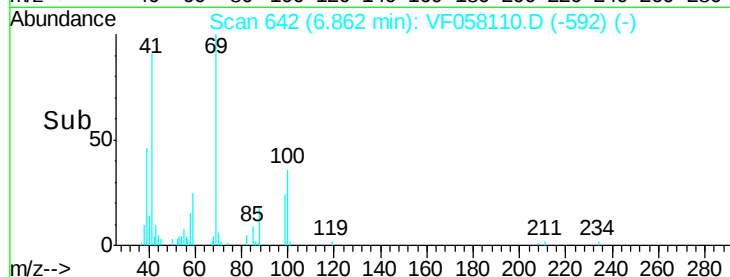
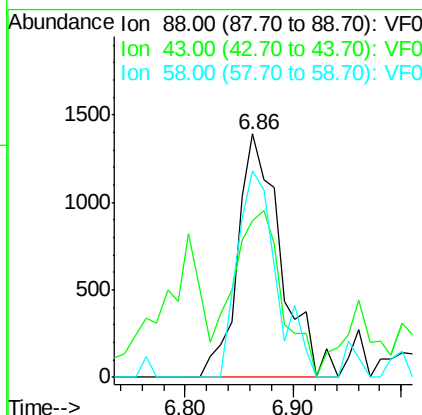
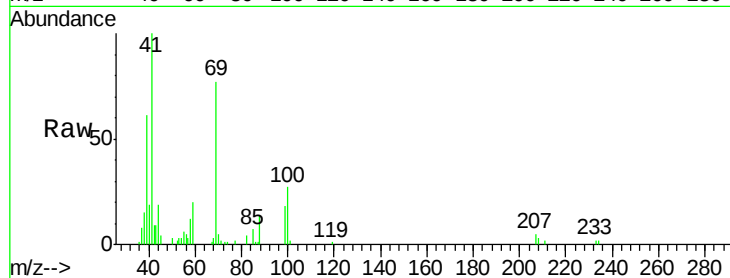
#49
1,4-Dioxane
Concen: 189.969 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	3883		
43	64.2	47.8	71.8	
58	84.8	59.4	89.0	

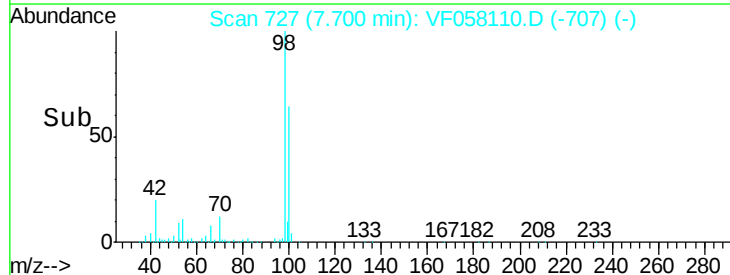
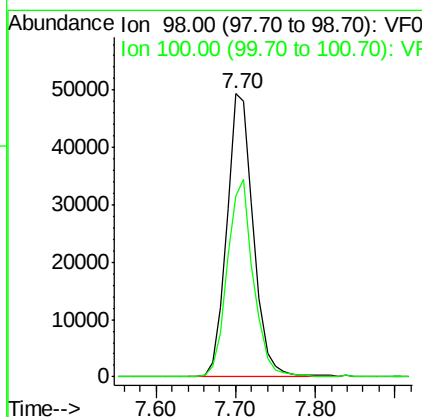
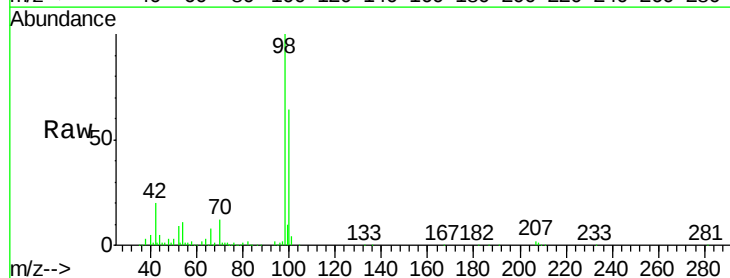
Manual Integrations
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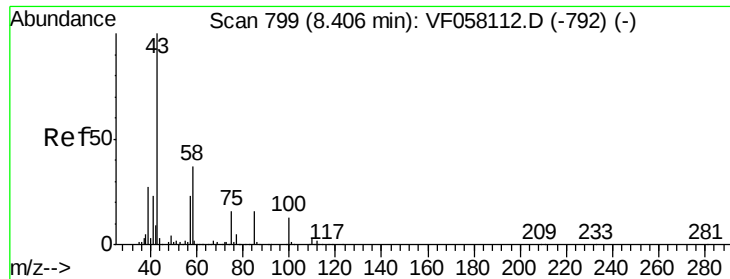
apatel
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#50
Toluene-d8
Concen: 9.078 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	115654		
100	64.1	55.6	83.4	





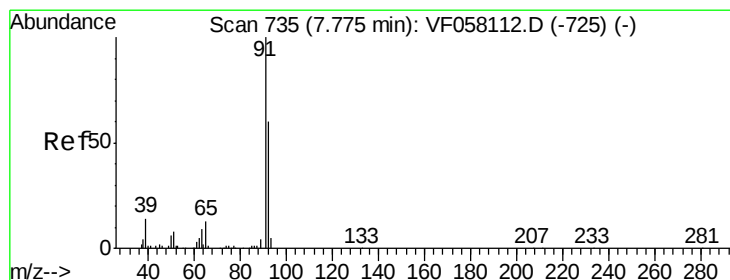
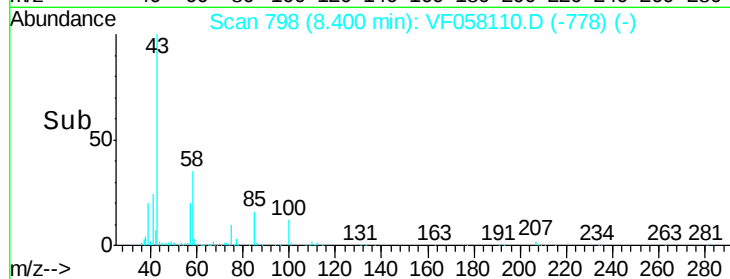
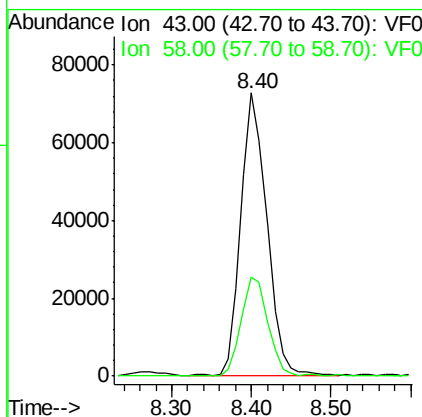
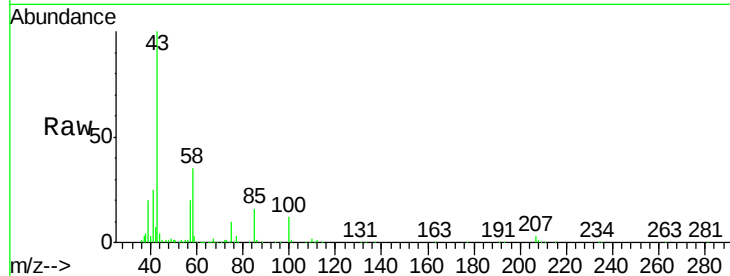
#51
4-Methyl-2-Pentanone
Concen: 50.622 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 164682
Ion Ratio Lower Upper
43 100
58 34.9 29.4 44.0

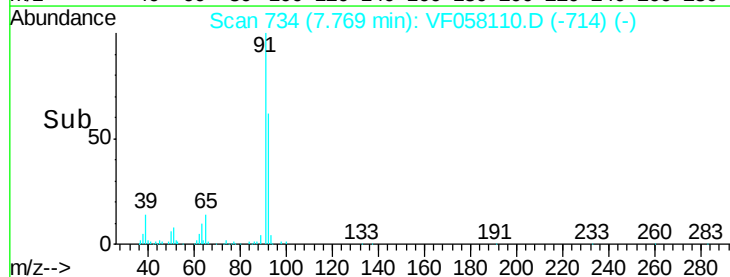
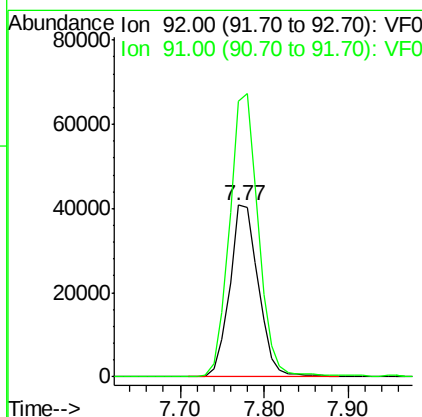
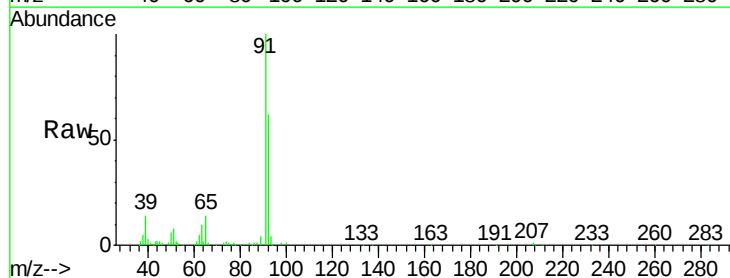
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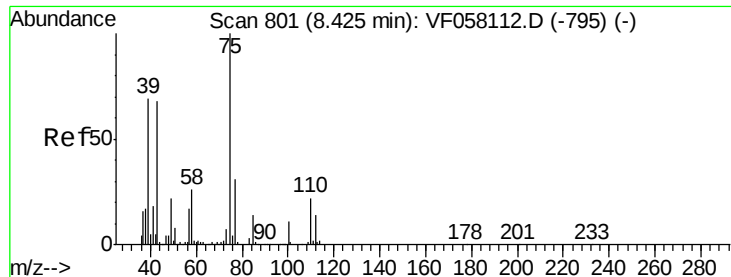
apatel
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#52
Toluene
Concen: 9.969 ug/l
RT: 7.77 min Scan# 734
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion: 92 Resp: 97149
Ion Ratio Lower Upper
92 100
91 161.0 132.9 199.3





#53

t-1,3-Dichloropropene

Concen: 9.822 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion: 75 Resp: 62358

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

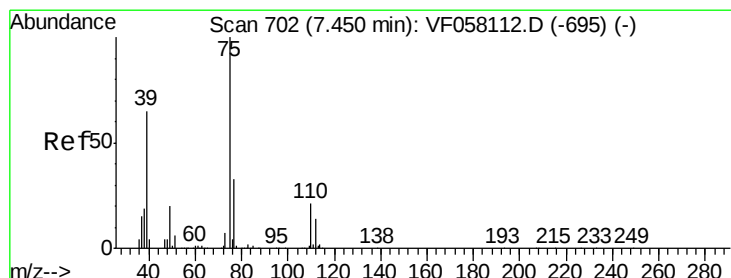
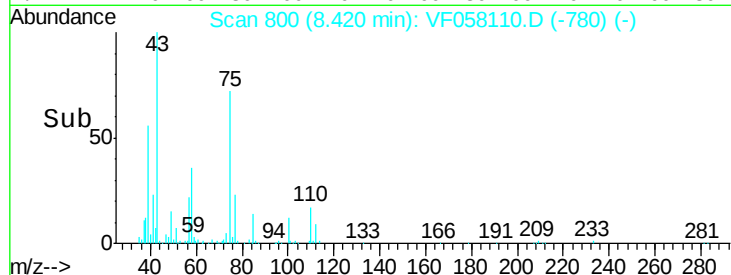
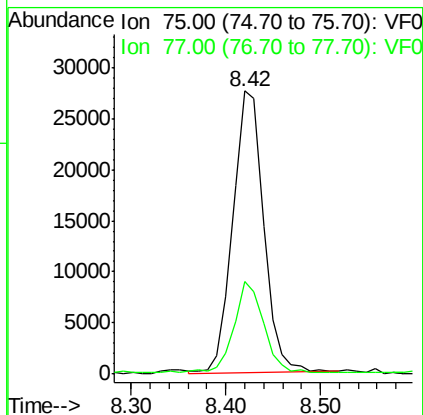
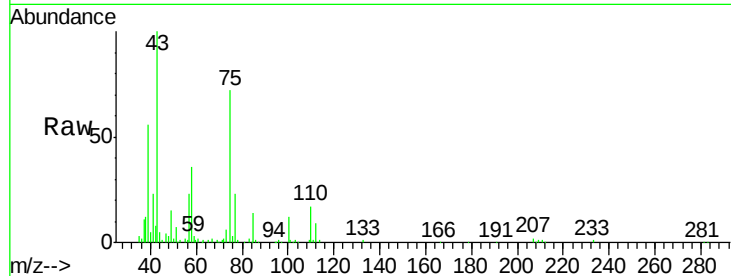
VSTDIC010

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 9.621 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

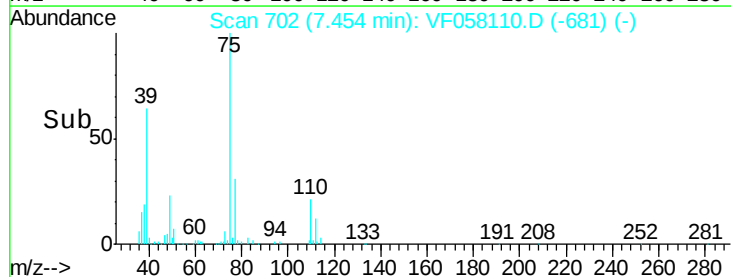
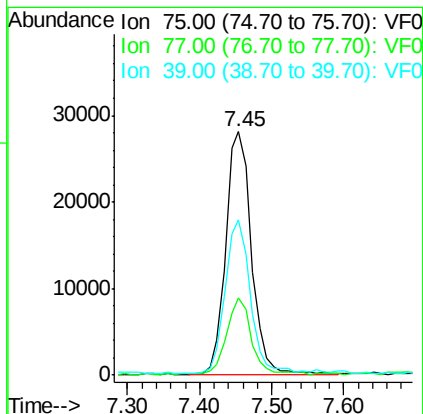
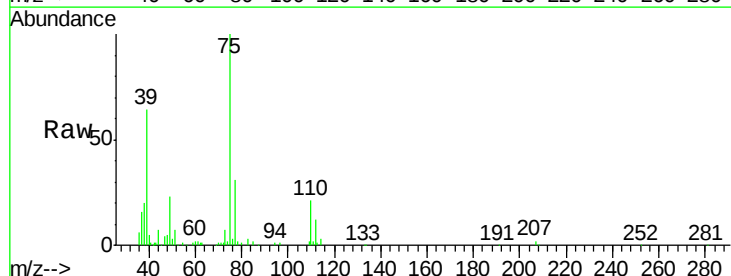
Tgt Ion: 75 Resp: 70178

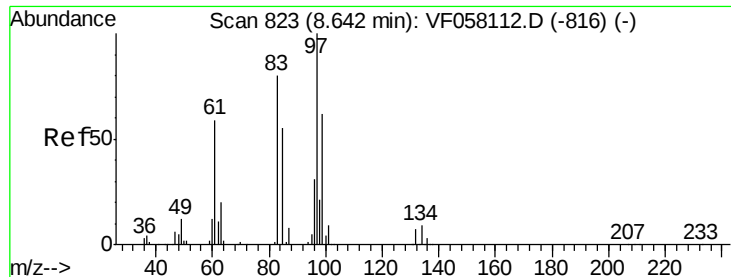
Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5

39 64.0 52.1 78.1





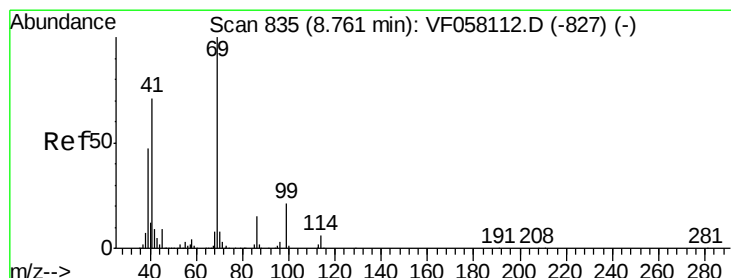
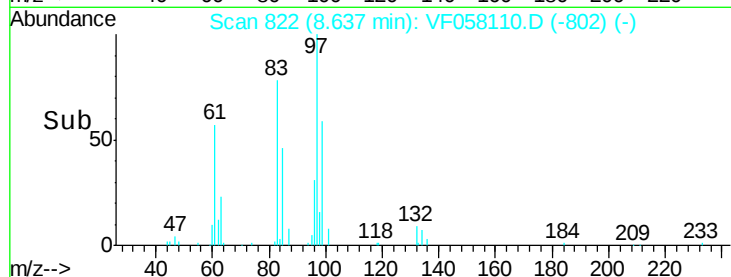
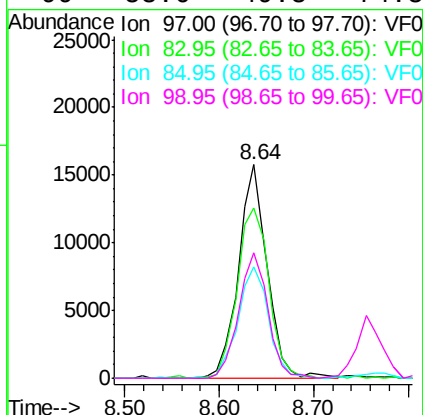
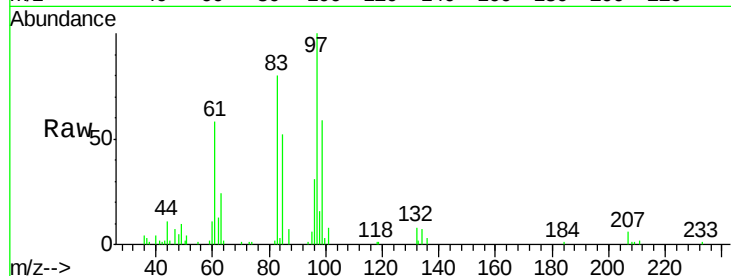
#55
1,1,2-Trichloroethane
Concen: 9.331 ug/l
RT: 8.64 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.9	64.3	96.5
85	52.2	43.8	65.8
99	58.6	49.8	74.8

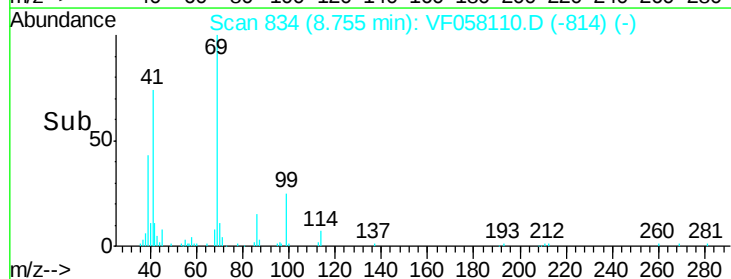
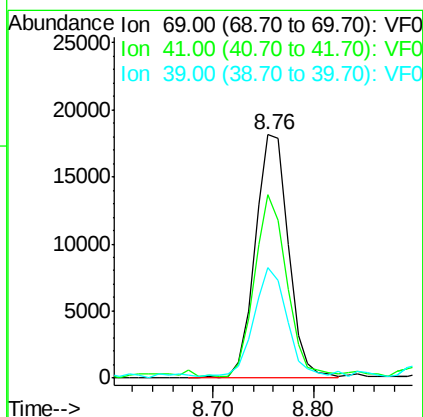
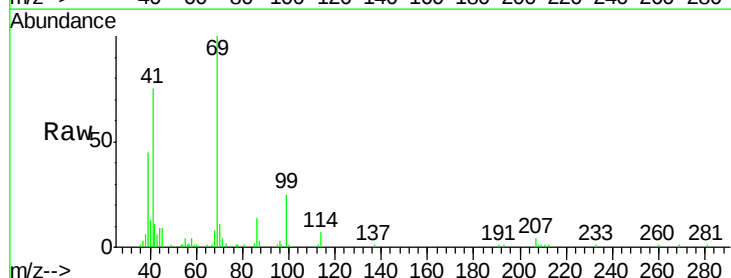
Manual Integrations
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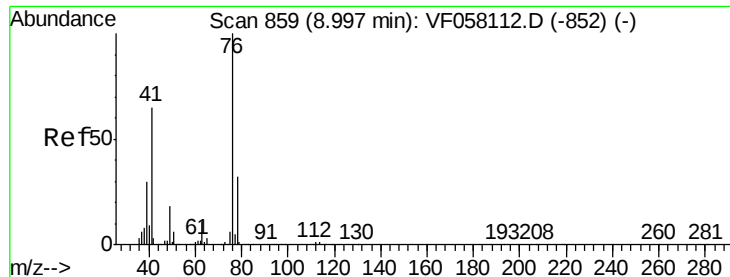
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#56
Ethyl methacrylate
Concen: 9.279 ug/l
RT: 8.76 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.3	56.9	85.3
39	45.2	38.0	57.0





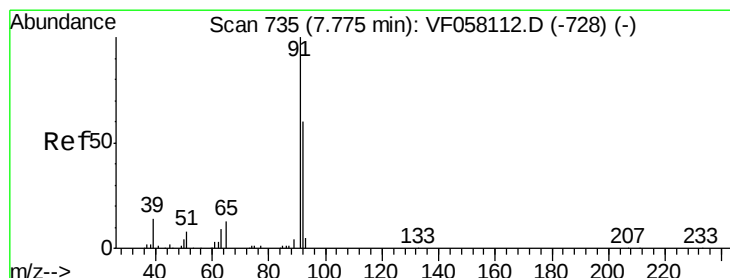
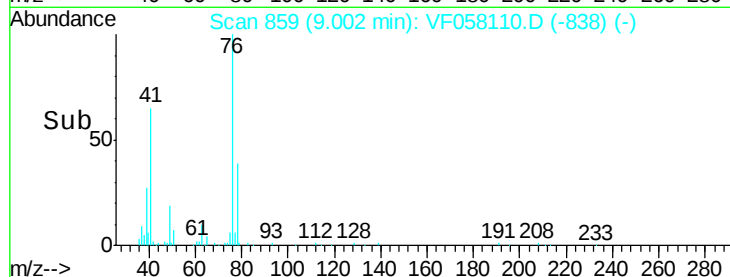
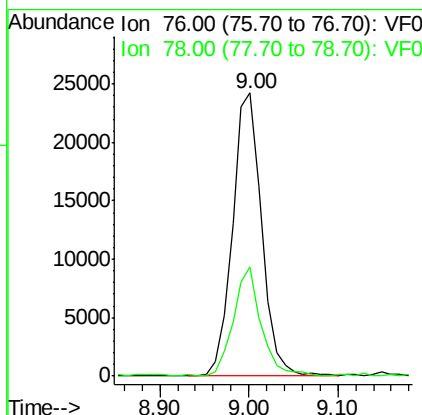
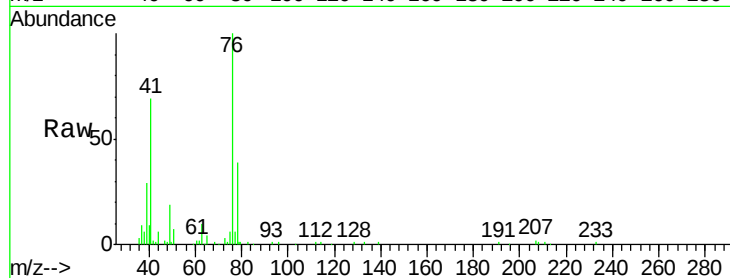
#57
 1,3-Dichloropropane
 Concen: 8.986 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 55432
 Ion Ratio Lower Upper
 76 100
 78 38.5 25.8 38.6

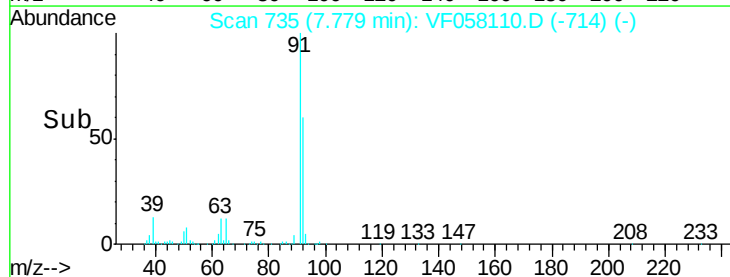
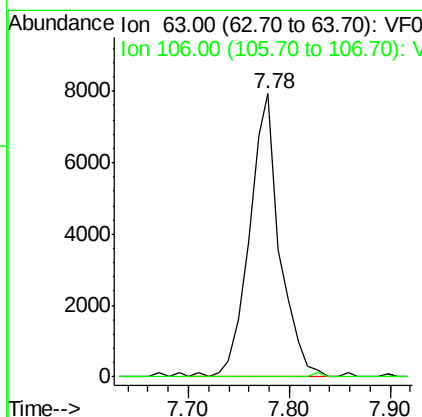
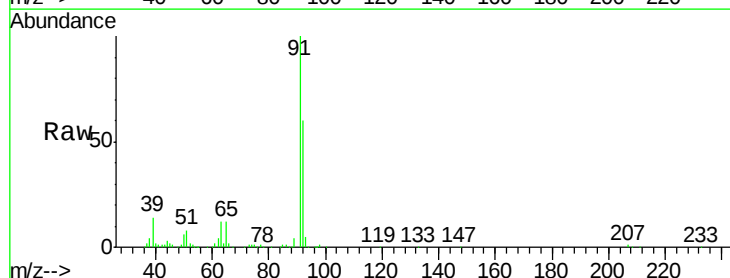
Manual Integrations
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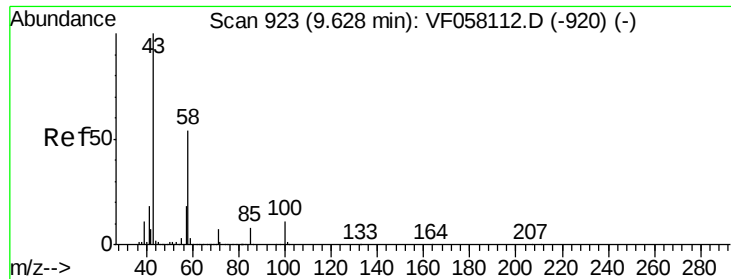
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#58
 2-Chloroethyl Vinyl ether
 Concen: 53.382 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Tgt Ion: 63 Resp: 16536
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





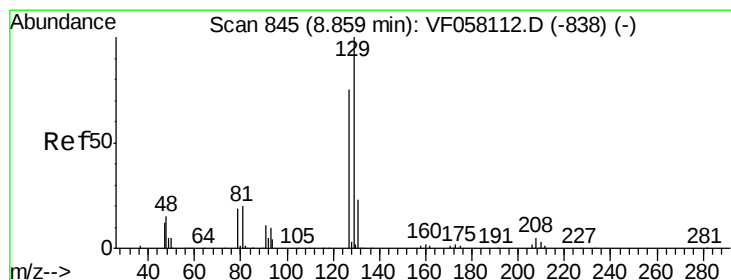
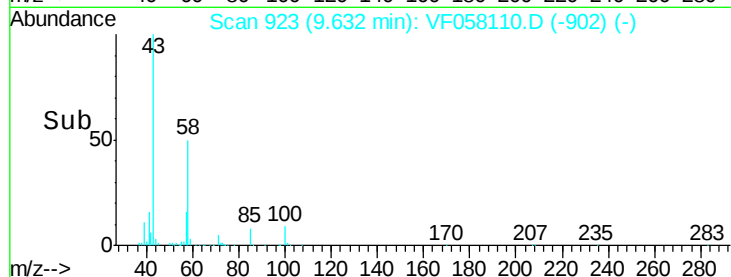
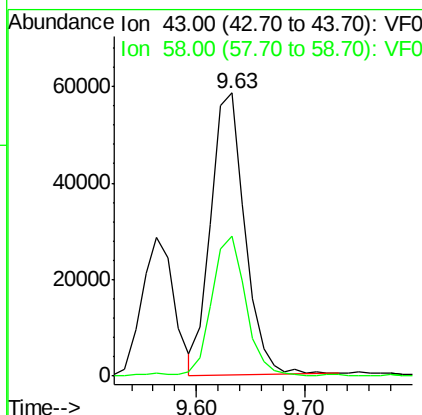
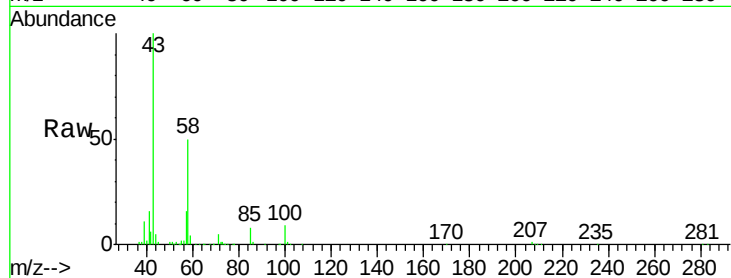
#59
2-Hexanone
Concen: 50.154 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 127760
Ion Ratio Lower Upper
43 100
58 49.7 26.3 78.8

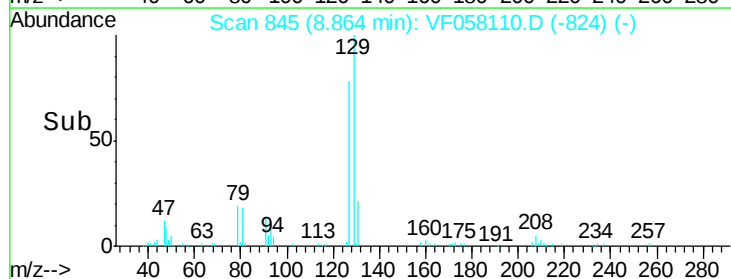
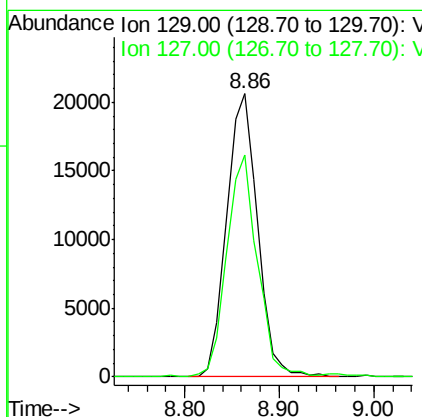
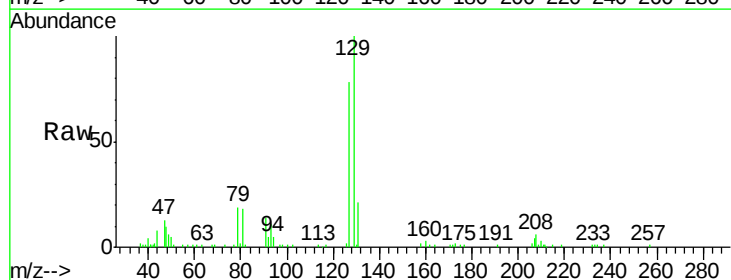
Manual Integrations
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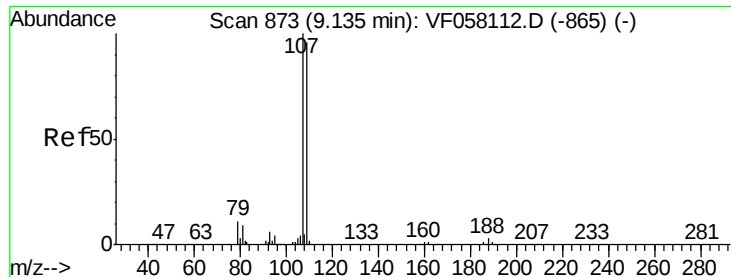
apatel
6/7/2018 12:37:38 PM



#60
Dibromochloromethane
Concen: 9.248 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion: 129 Resp: 46590
Ion Ratio Lower Upper
129 100
127 78.5 37.6 112.9





#61

1,2-Dibromoethane

Concen: 8.698 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 107 Resp: 36768

Ion Ratio Lower Upper

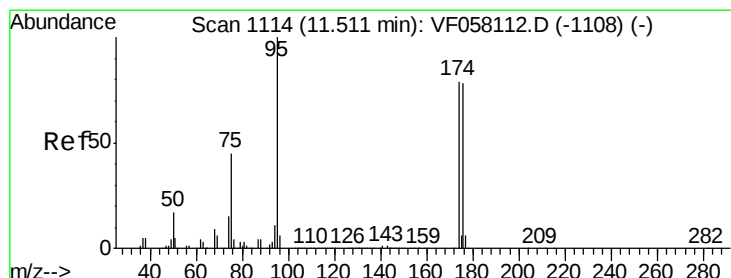
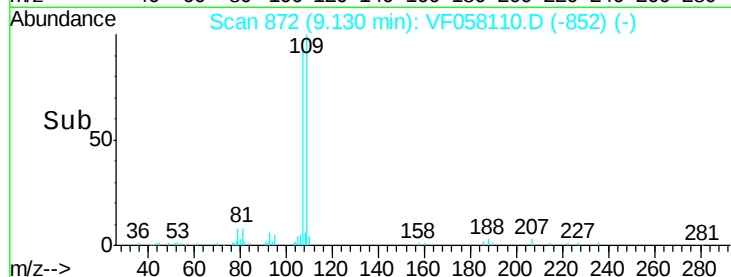
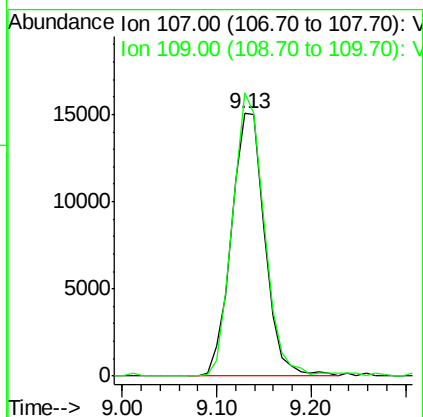
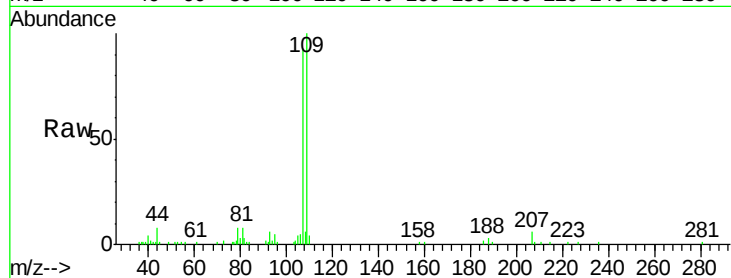
107 100

109 107.8 76.6 115.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 9.943 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

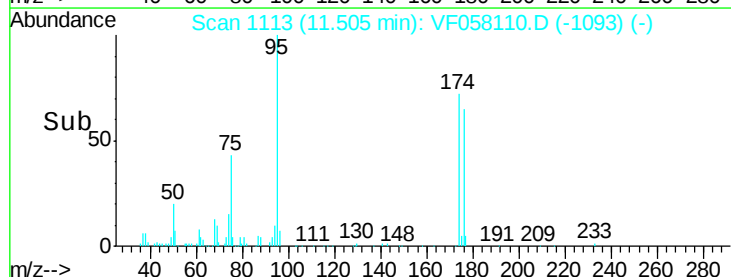
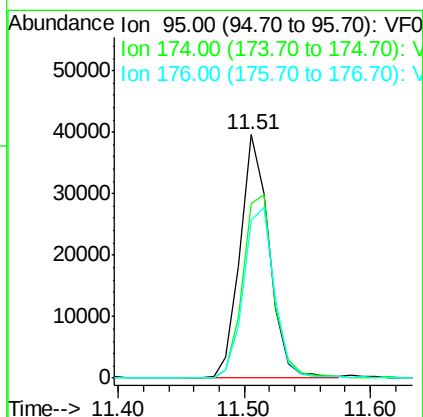
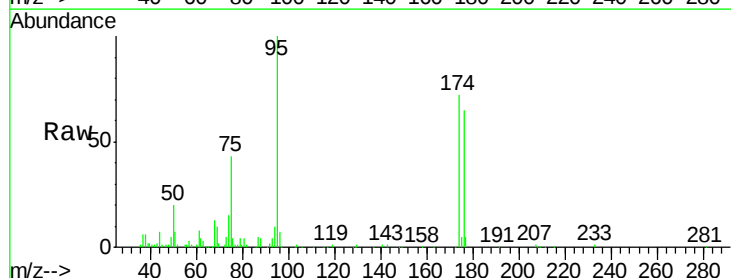
Tgt Ion: 95 Resp: 63379

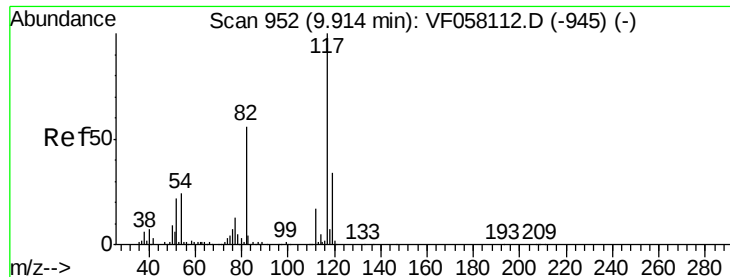
Ion Ratio Lower Upper

95 100

174 71.9 0.0 157.8

176 65.0 0.0 155.8





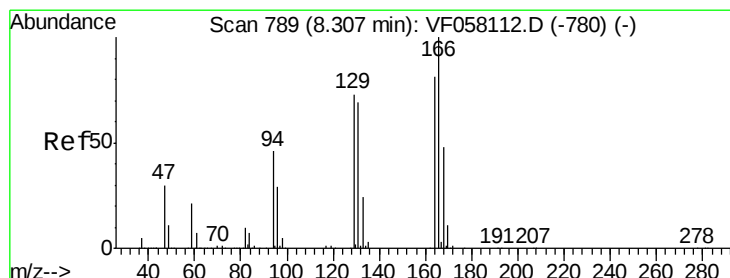
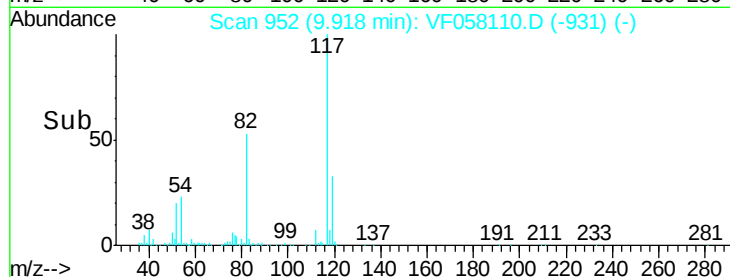
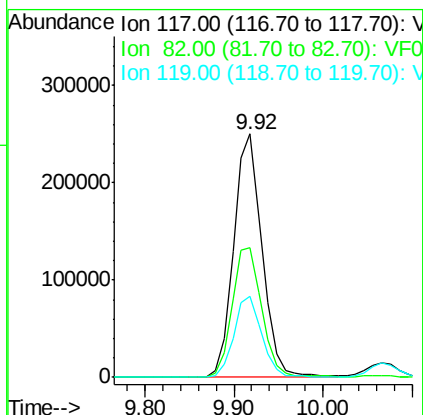
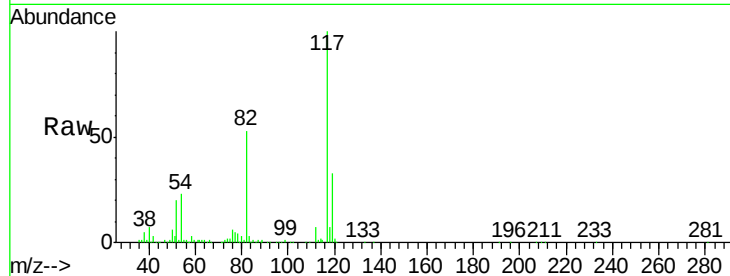
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	557978		
82	53.4	45.2	67.8	
119	33.4	27.5	41.3	

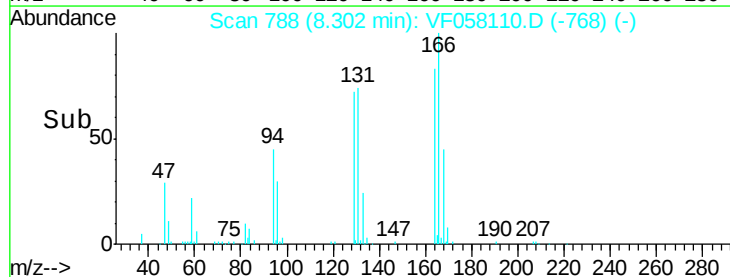
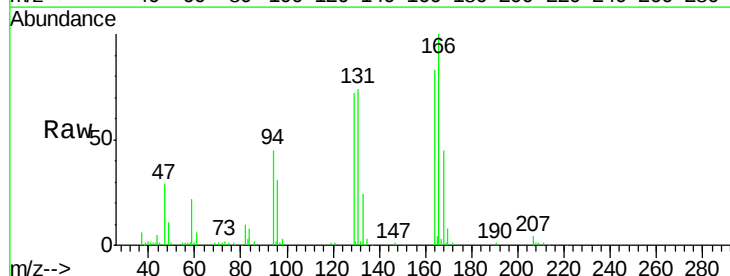
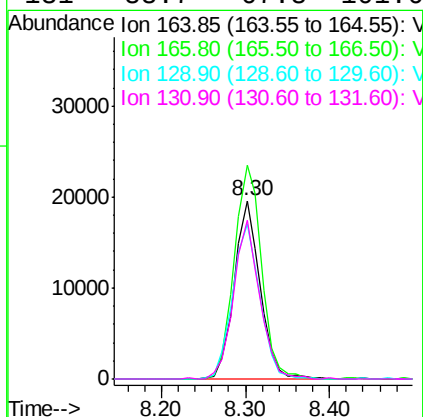
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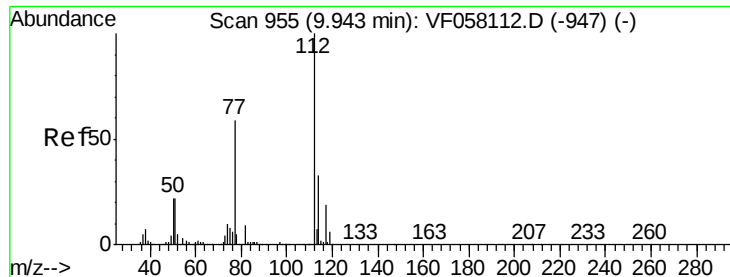
apatel
6/7/2018 12:37:38 PM



#64
Tetrachloroethene
Concen: 9.930 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41825		
166	119.8	98.2	147.4	
129	86.9	71.6	107.4	
131	88.7	67.8	101.6	





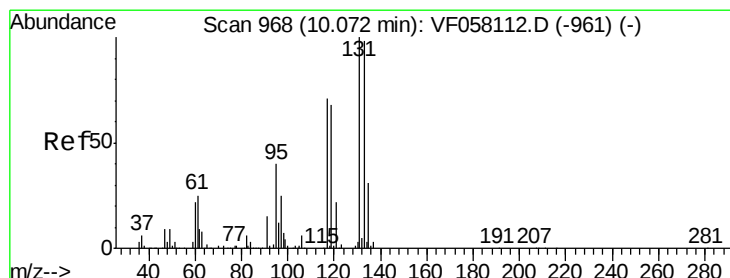
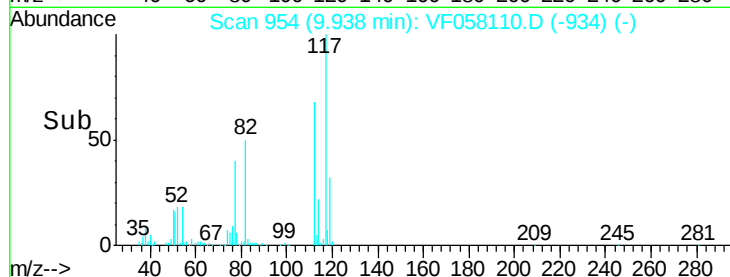
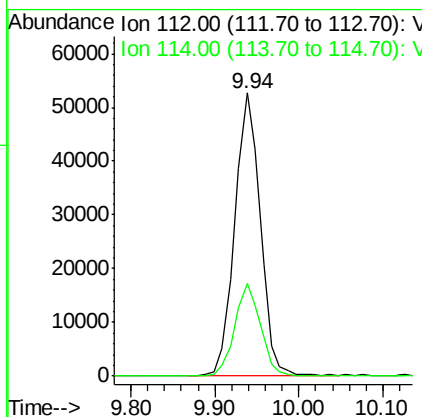
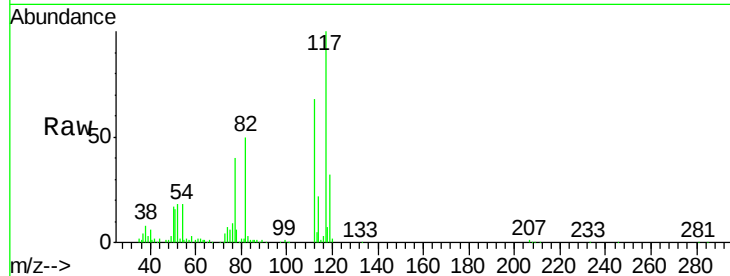
#65
Chlorobenzene
Concen: 9.898 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	111901		
114	32.8	26.2	39.4	

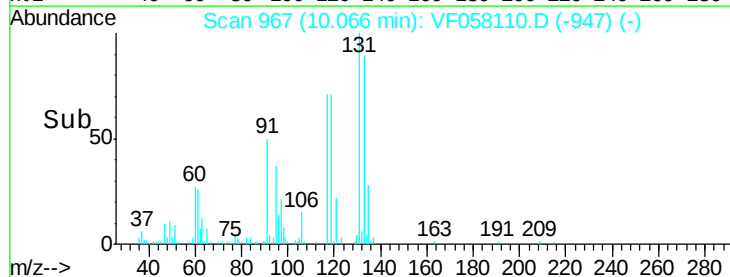
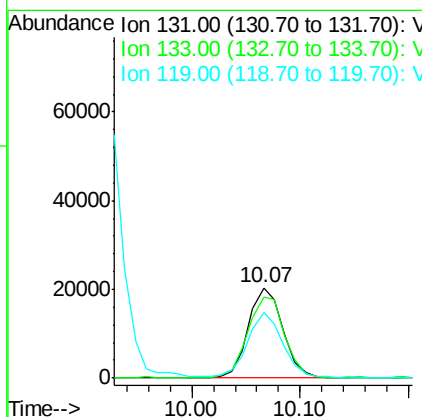
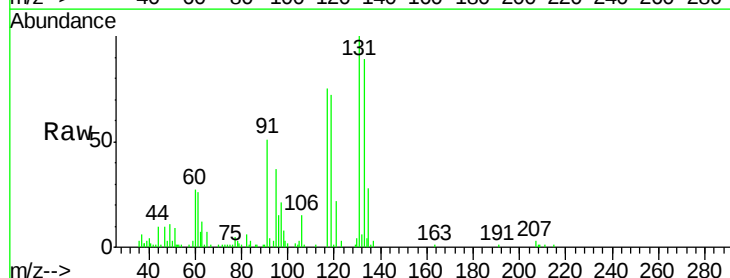
Manual Integrations
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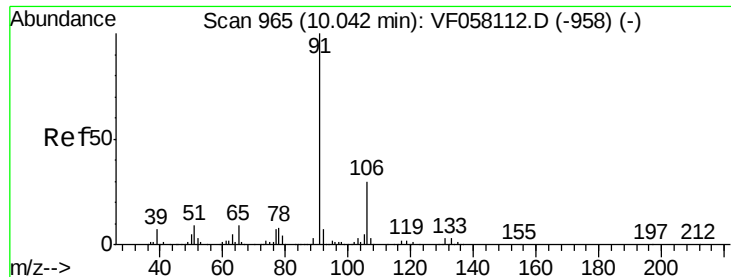
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.316 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	45588		
133	89.3	49.1	147.4	
119	73.0	34.3	102.8	





#67

Ethyl Benzene

Concen: 10.337 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 205401

Ion Ratio Lower Upper

91 100

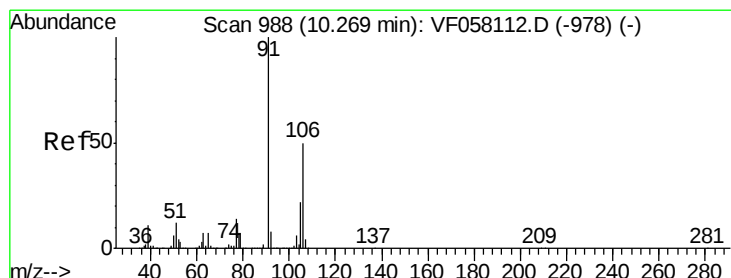
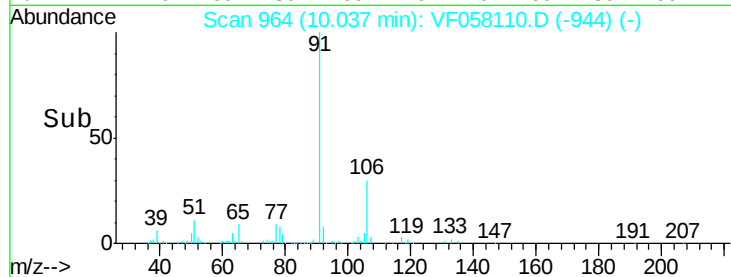
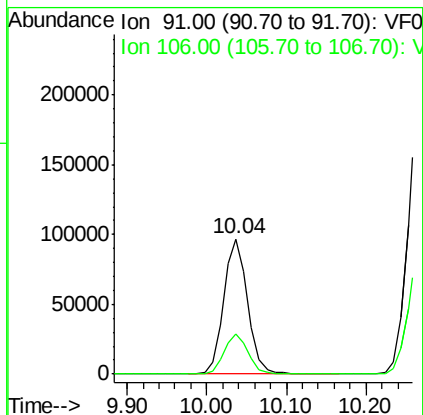
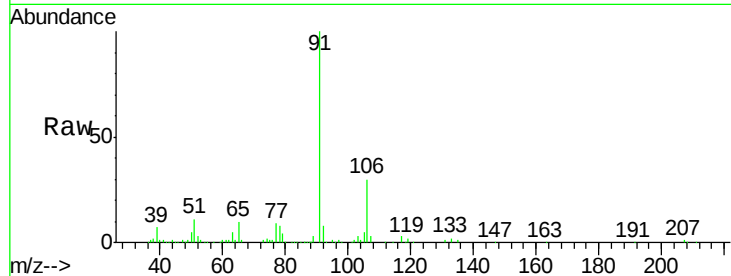
106 30.0 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 22.421 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF058110.D

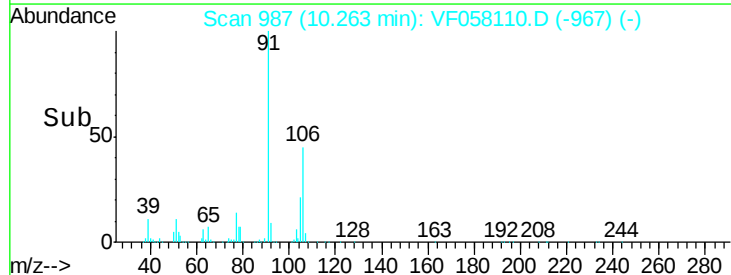
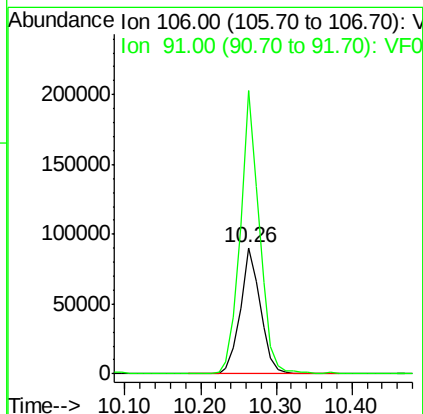
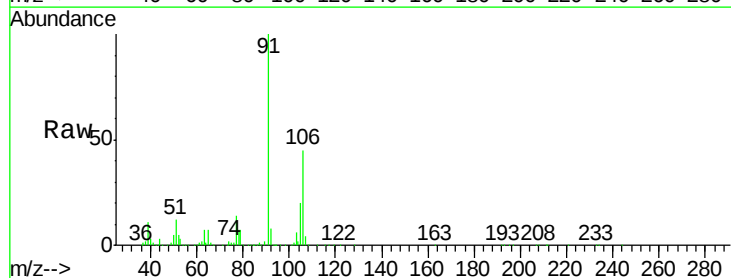
Acq: 6 Jun 2018 16:45

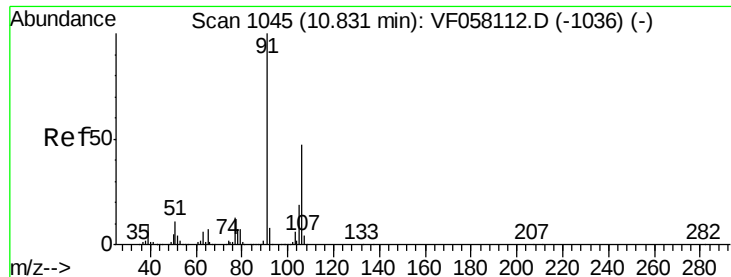
Tgt Ion: 106 Resp: 165174

Ion Ratio Lower Upper

106 100

91 224.0 160.7 241.1





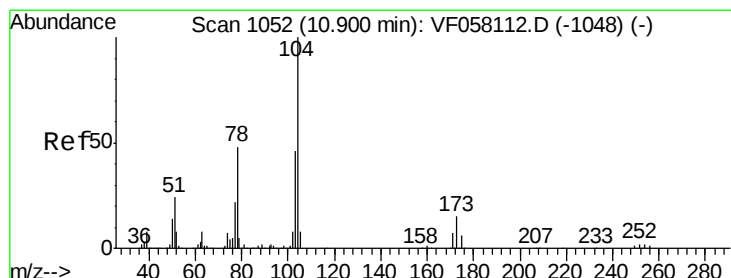
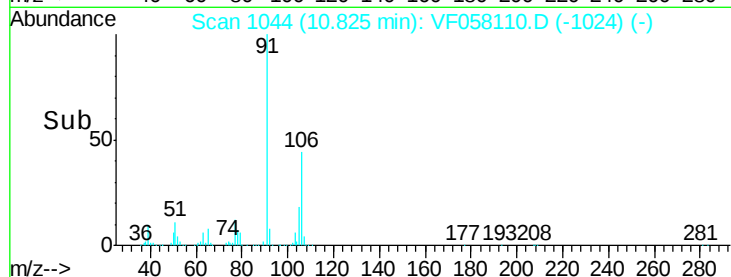
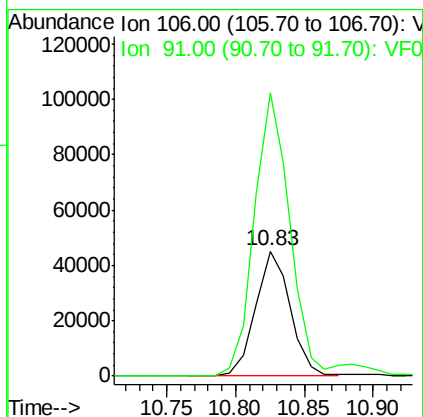
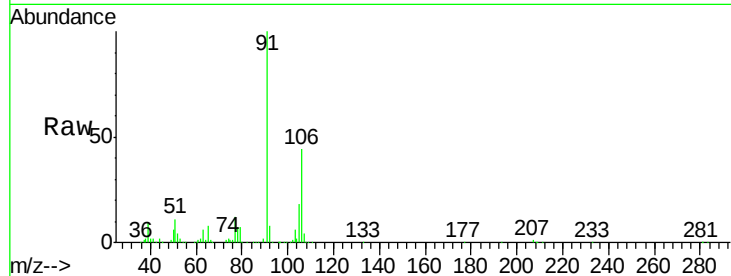
#69
o-Xylene
Concen: 9.970 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 79998
Ion Ratio Lower Upper
106 100
91 225.9 107.0 321.0

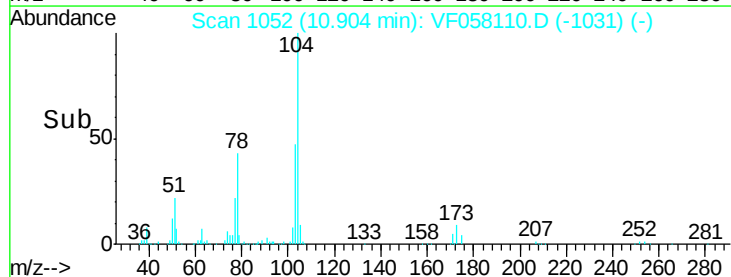
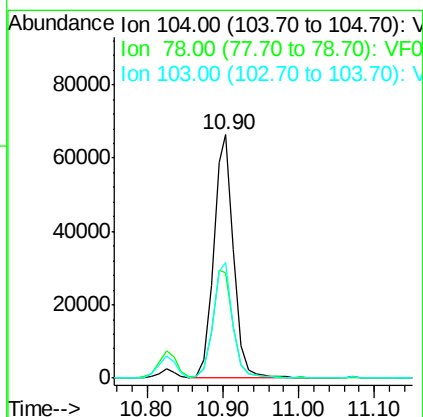
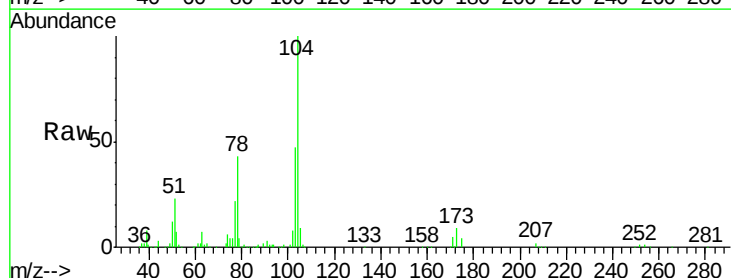
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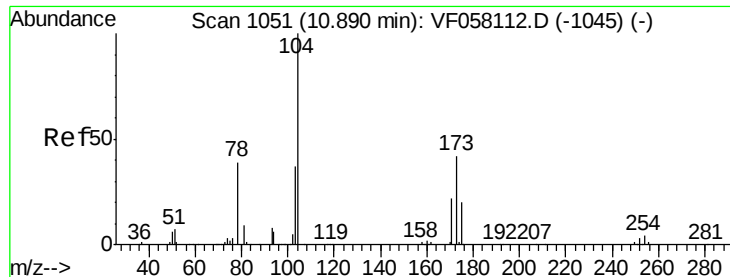
apatel
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#70
Styrene
Concen: 10.169 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion:104 Resp: 122342
Ion Ratio Lower Upper
104 100
78 43.0 38.4 57.6
103 47.5 37.0 55.6





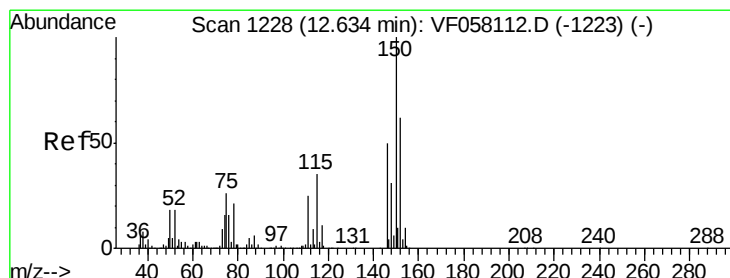
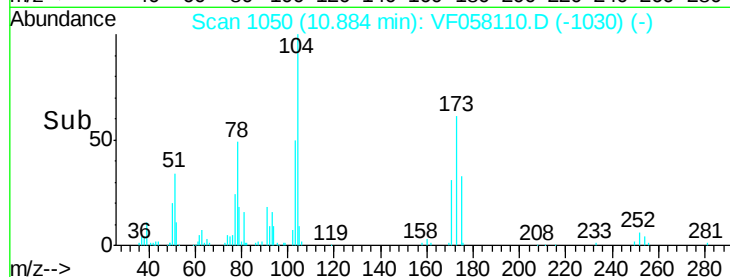
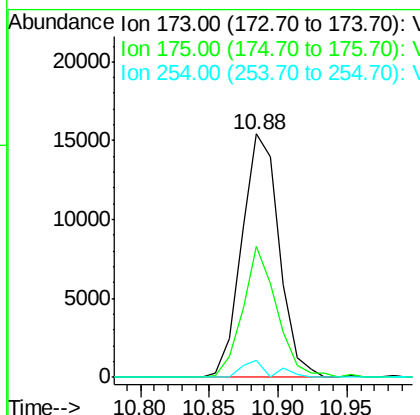
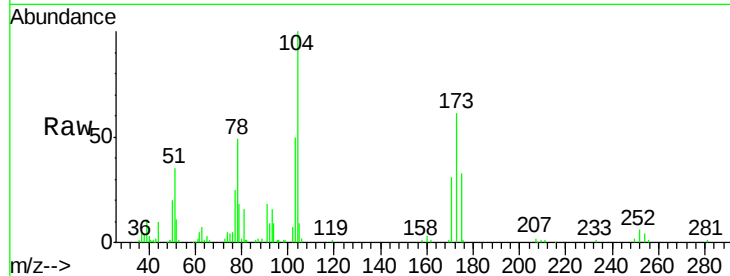
#71
Bromoform
Concen: 9.596 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.6	74.0
254	7.1	7.8	11.8

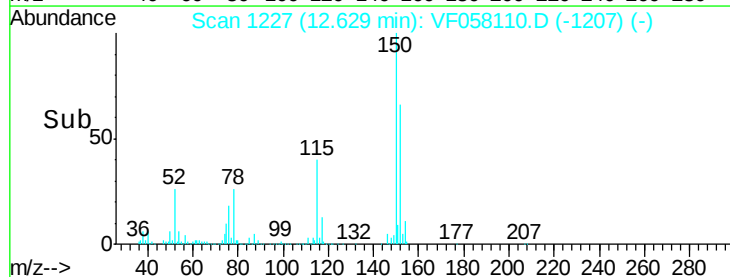
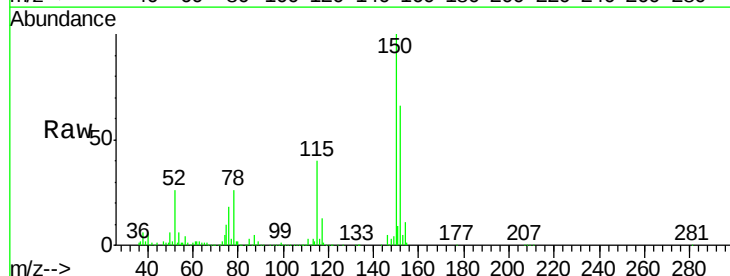
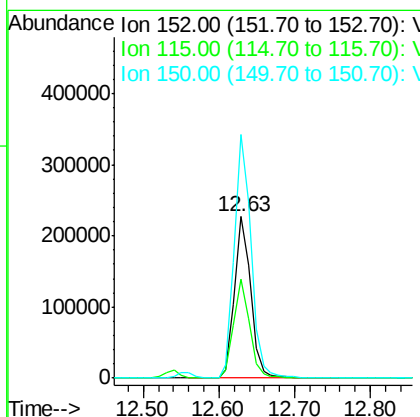
Manual Integrations
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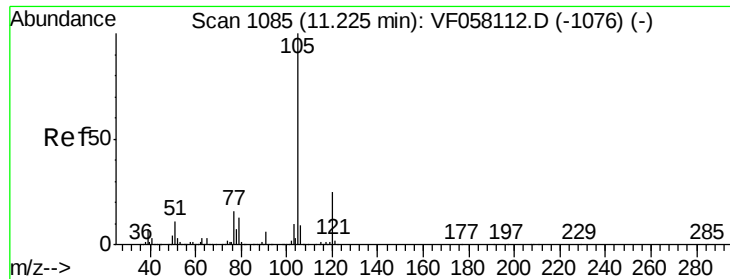
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.5	85.5
150	150.8	0.0	323.8





#73

Isopropylbenzene

Concen: 10.287 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 105 Resp: 243875

Ion Ratio Lower Upper

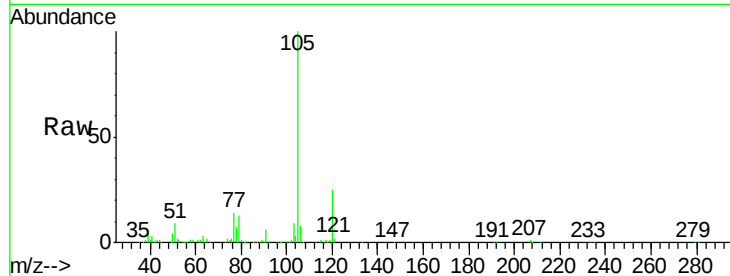
105 100

120 24.8 12.7 38.1

Manual Integrations
APPROVED

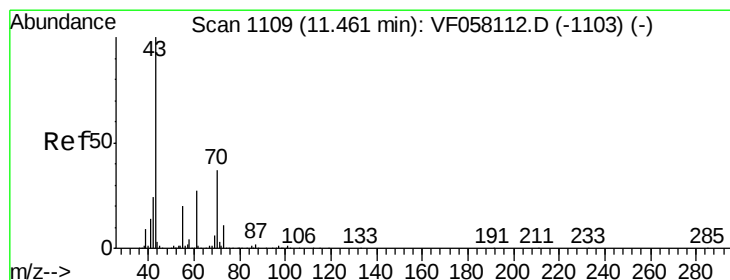
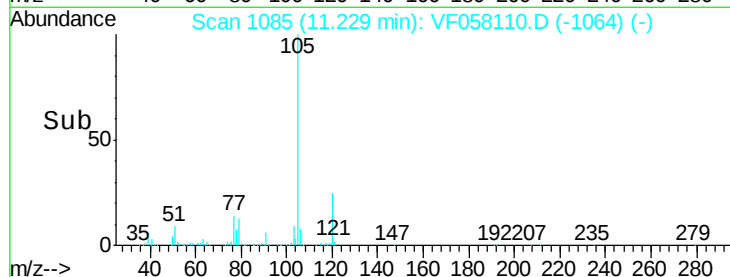
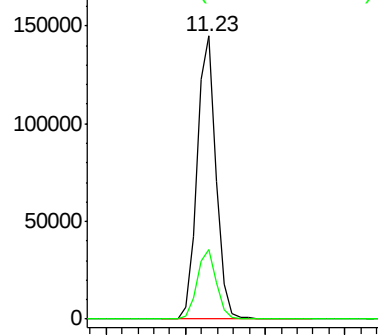
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.490 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion: 43 Resp: 83901

Ion Ratio Lower Upper

43 100

70 38.6 29.2 43.8

55 20.2 15.8 23.6

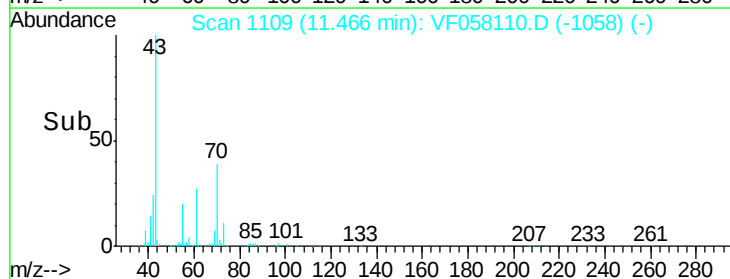
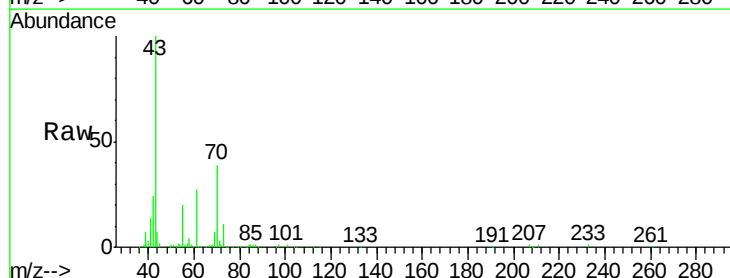
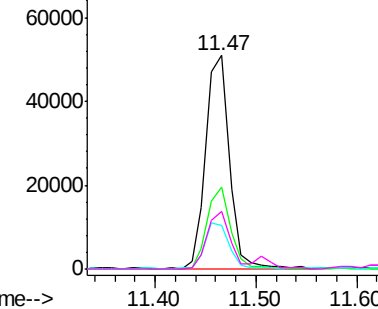
61 27.2 21.3 31.9

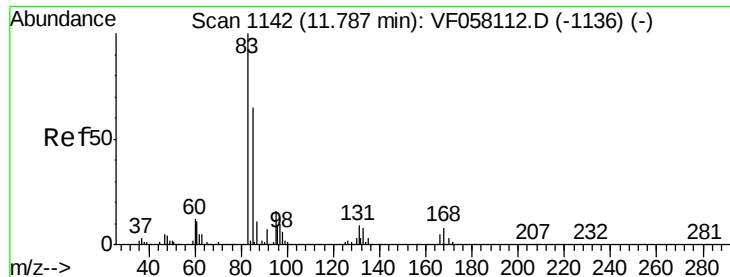
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 9.733 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

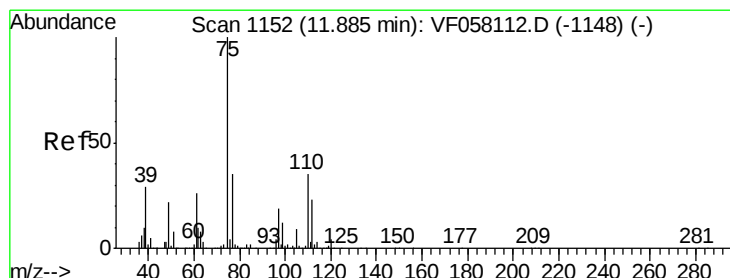
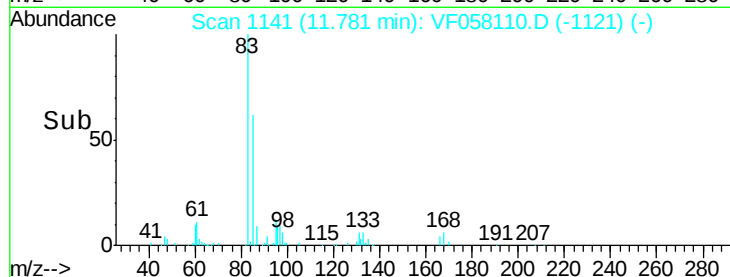
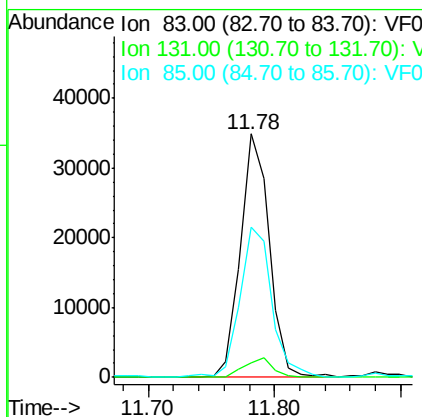
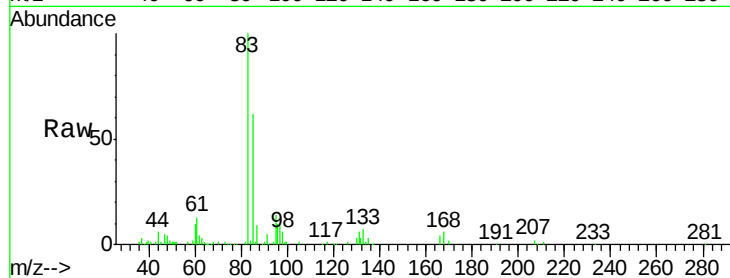
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	55270
Ion Ratio	Lower	Upper	
83	100		
131	6.1	4.5	13.7
85	61.9	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 10.156 ug/l

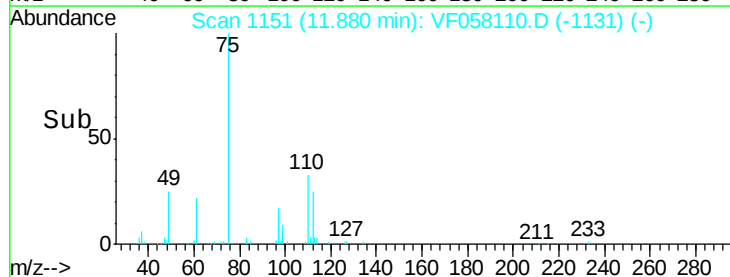
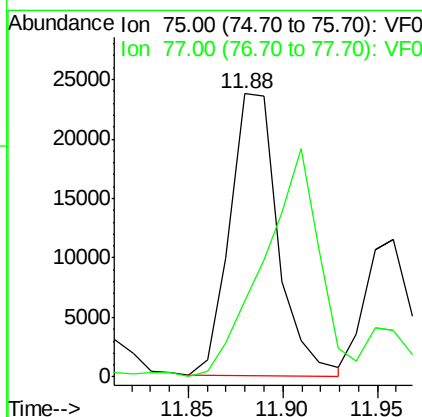
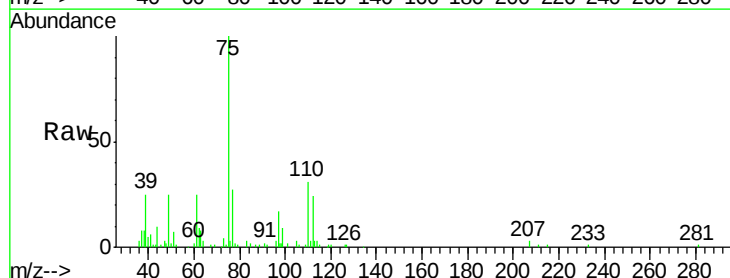
RT: 11.88 min Scan# 1151

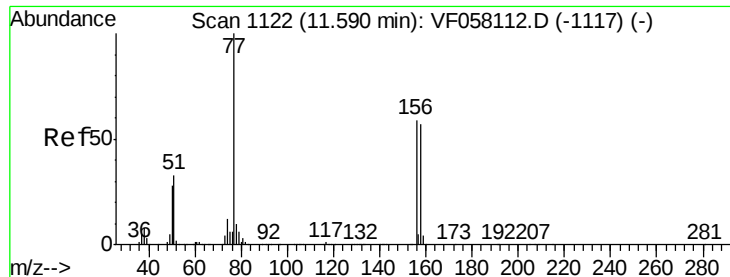
Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion:	75	Resp:	42085
Ion Ratio	Lower	Upper	
75	100		
77	26.9	17.5	52.5





#77

Bromobenzene

Concen: 10.001 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

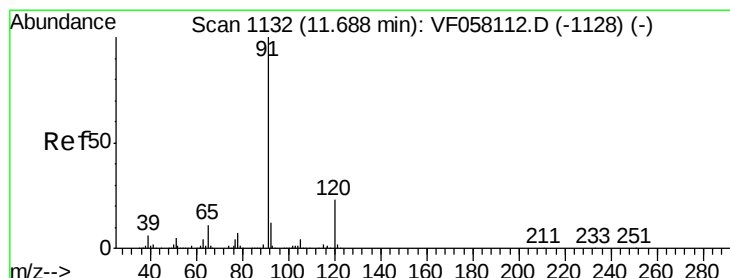
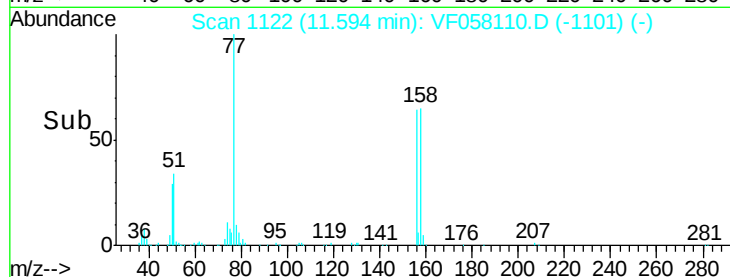
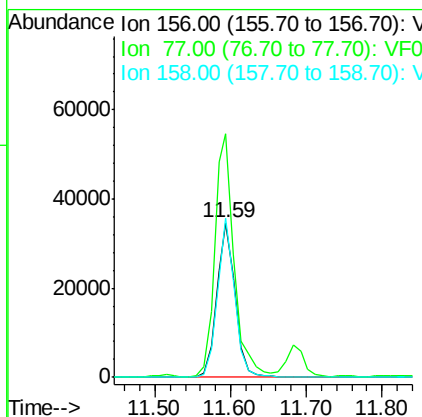
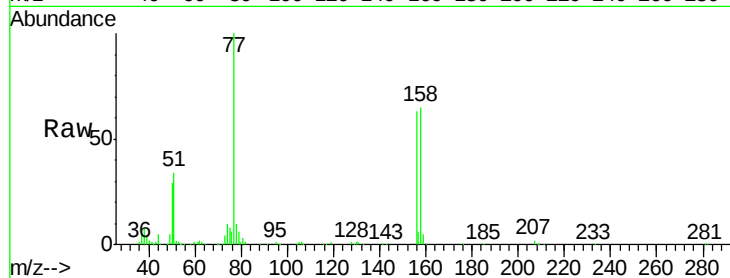
ClientSampleId :

VSTDIC010

Tgt Ion	Ratio	Lower	Upper
156	100		
77	158.0	84.8	254.4
158	102.9	47.9	143.7

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#78

n-propylbenzene

Concen: 10.428 ug/l

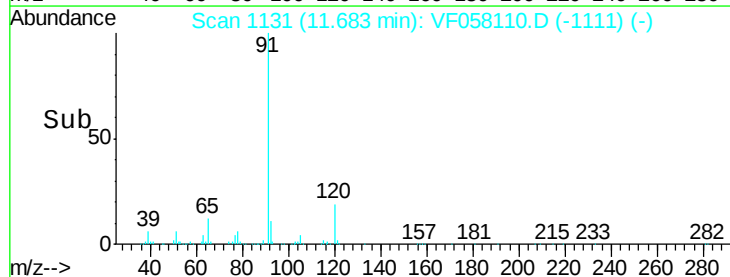
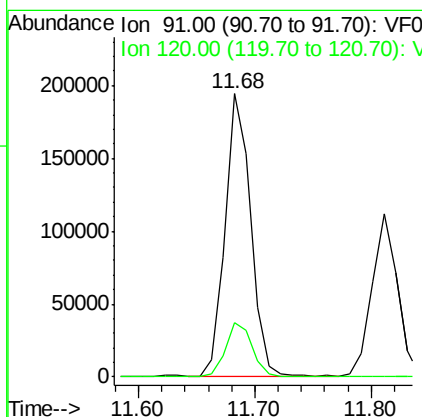
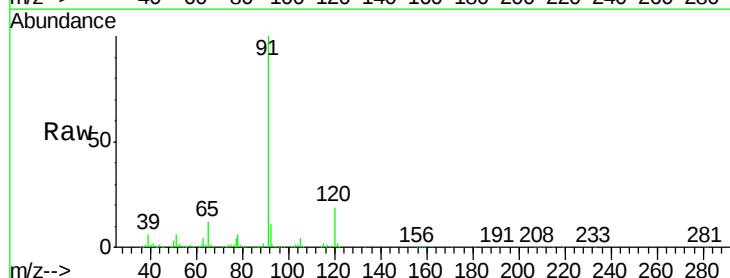
RT: 11.68 min Scan# 1131

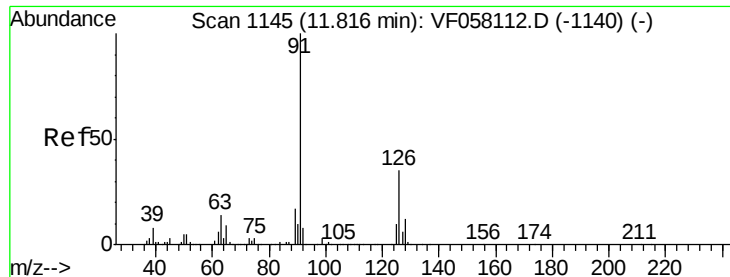
Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 10.199 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 170677

Ion Ratio Lower Upper

91 100

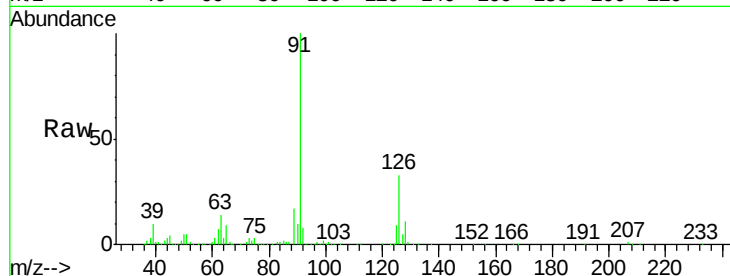
126 33.0 17.6 52.9

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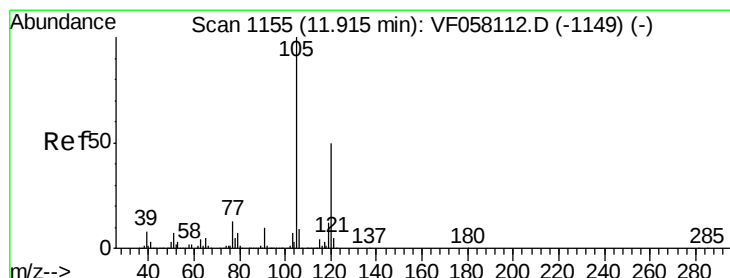
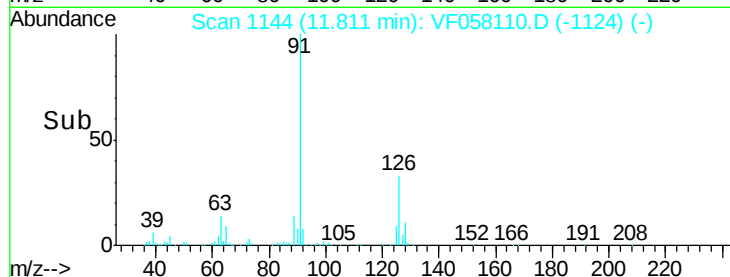
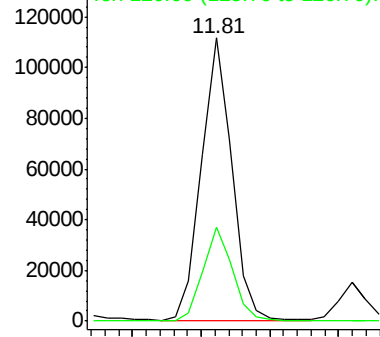
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 10.407 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF058110.D

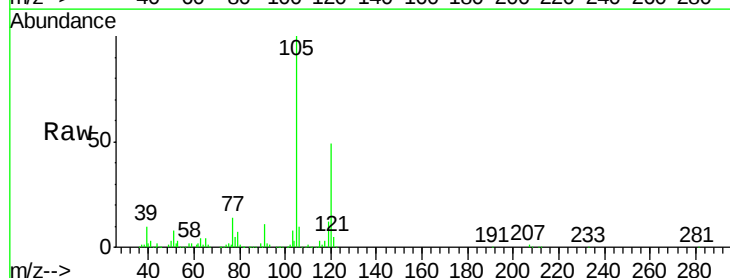
Acq: 6 Jun 2018 16:45

Tgt Ion: 105 Resp: 204537

Ion Ratio Lower Upper

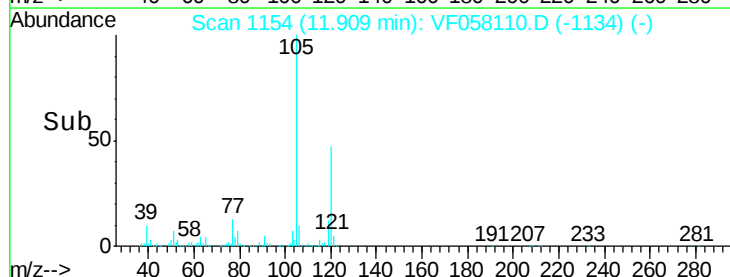
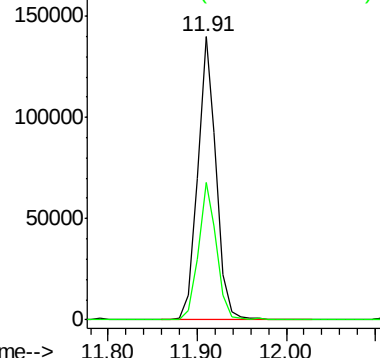
105 100

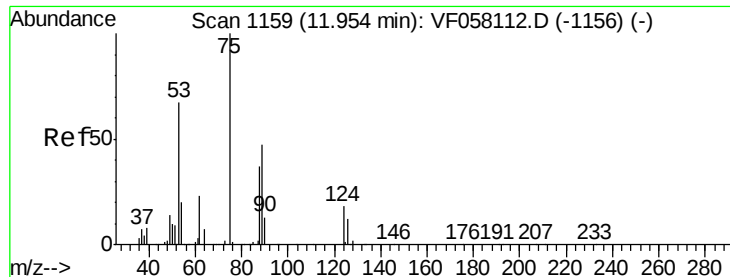
120 48.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.595 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

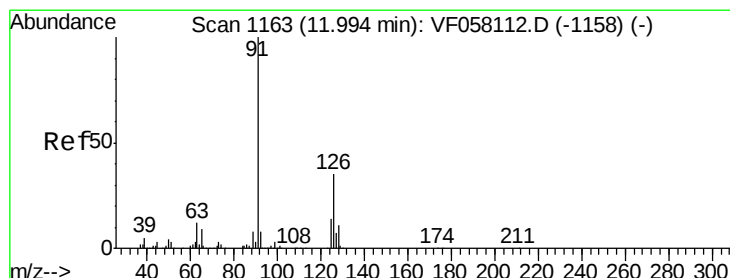
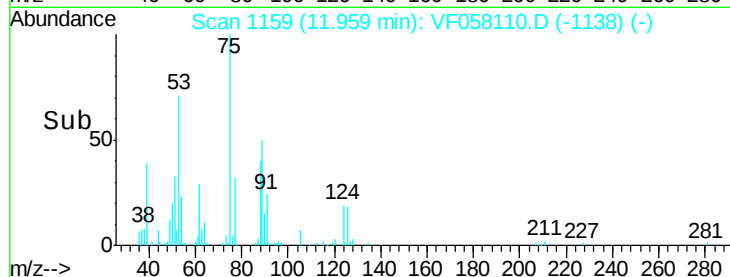
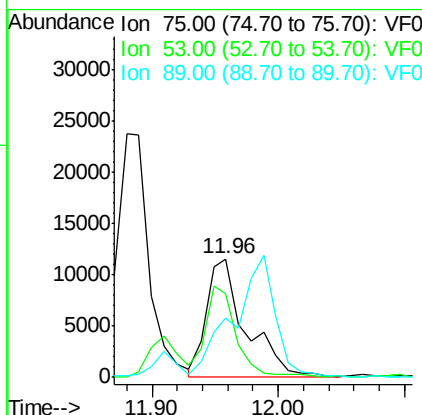
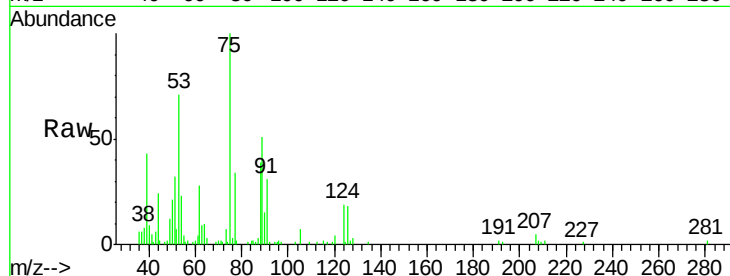
ClientSampleId :

VSTDIC010

Tgt Ion:	75	Resp:	25183
Ion Ratio	Lower	Upper	
75	100		
53	70.5	58.7	88.1
89	50.7	39.8	59.6

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#82

4-Chlorotoluene

Concen: 10.212 ug/l

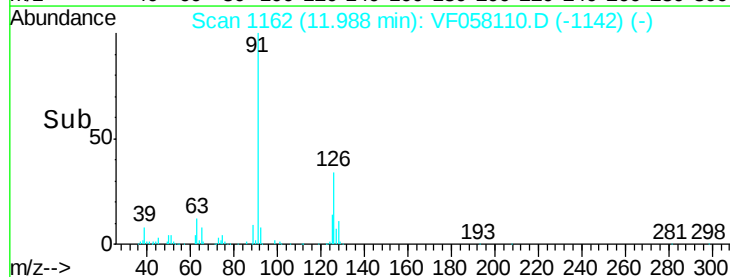
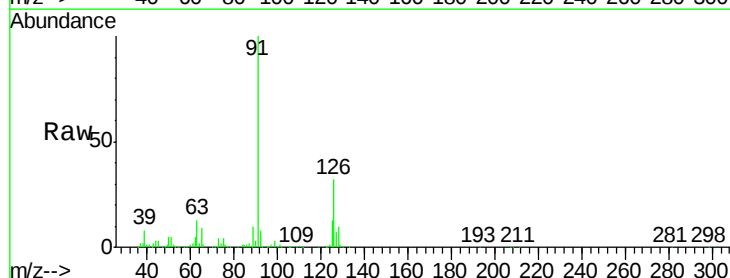
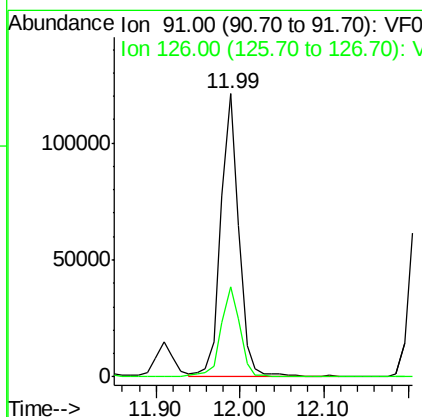
RT: 11.99 min Scan# 1162

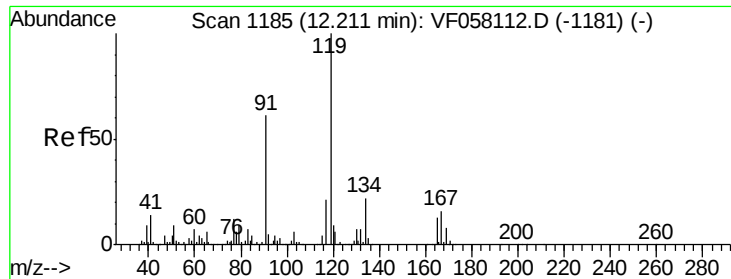
Delta R.T. -0.01 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Tgt Ion:	91	Resp:	180233
Ion Ratio	Lower	Upper	
91	100		
126	32.0	17.4	52.2





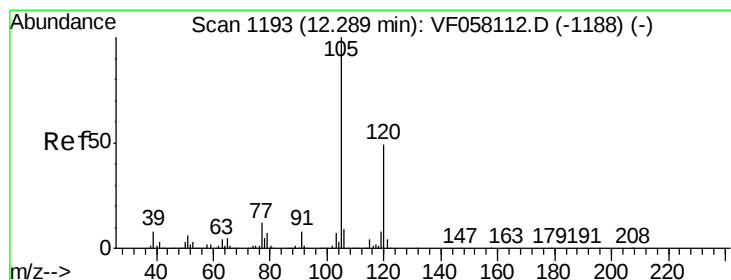
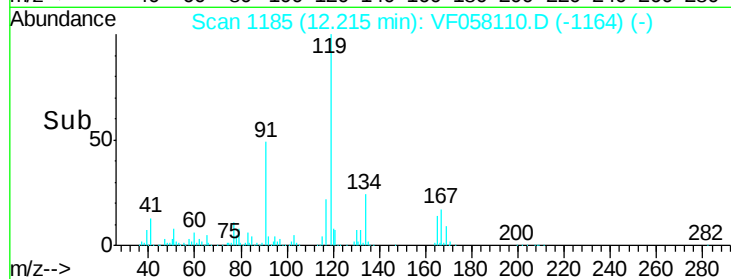
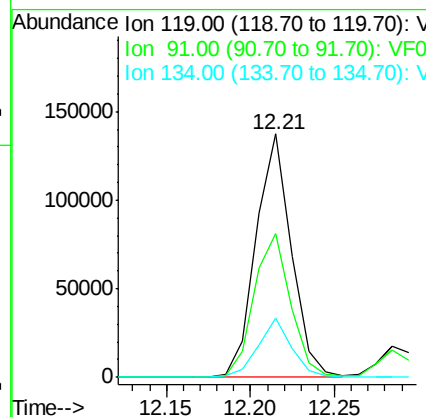
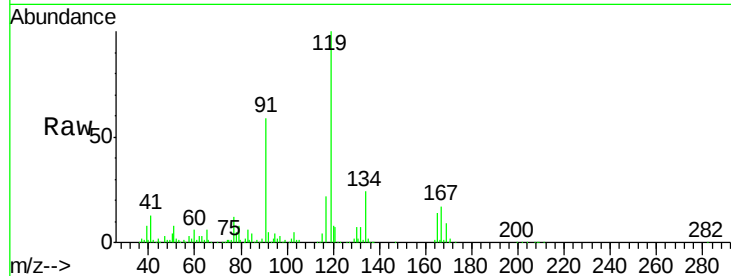
#83
 tert-Butylbenzene
 Concen: 10.178 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	200073		
91	58.9	30.4	91.3	
134	24.3	11.2	33.5	

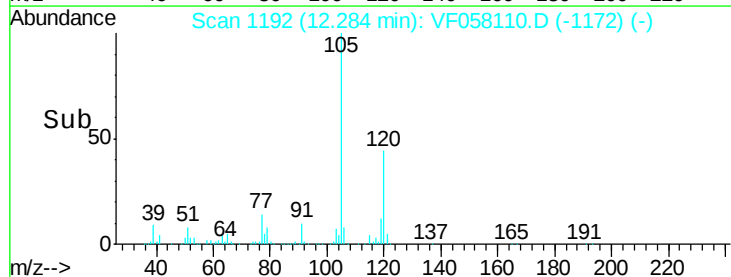
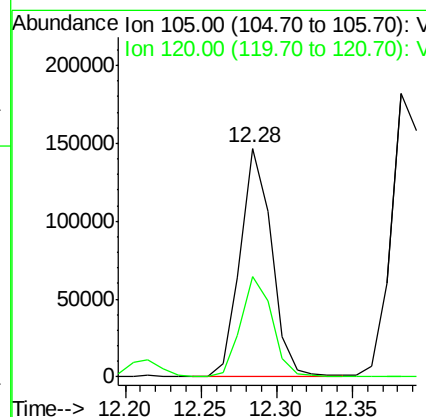
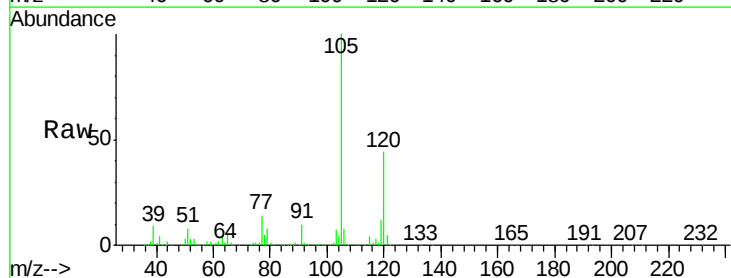
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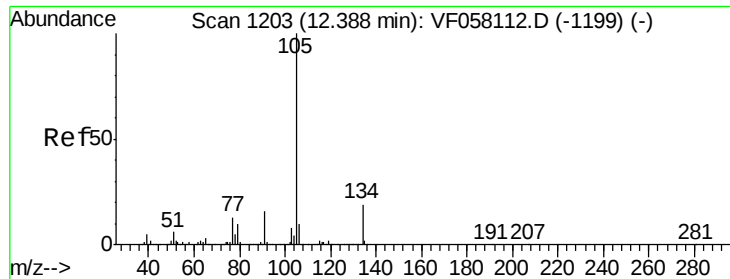
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.428 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212608		
120	43.7	24.7	74.1	





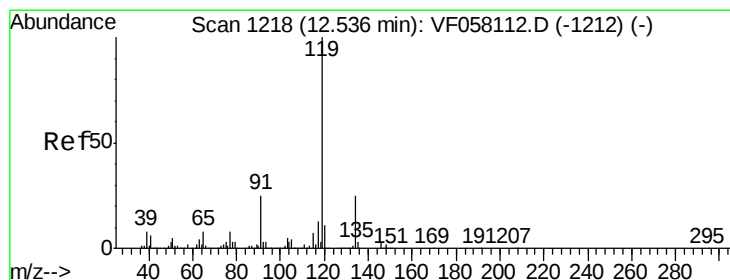
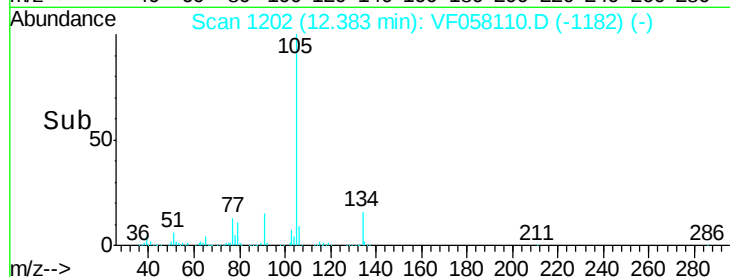
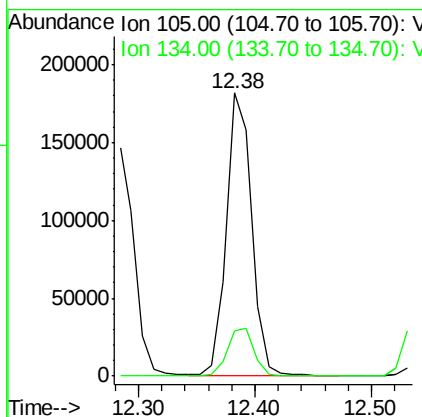
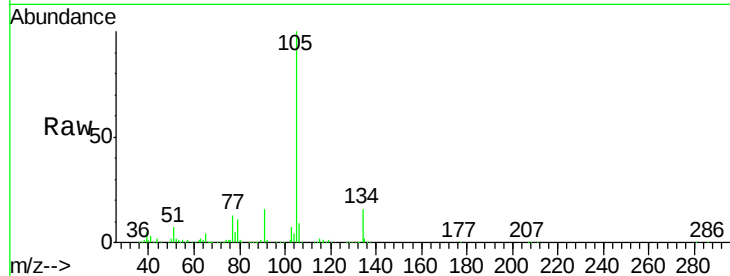
#85
 sec-Butylbenzene
 Concen: 10.249 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
105	100		
134	16.0	9.6	28.6

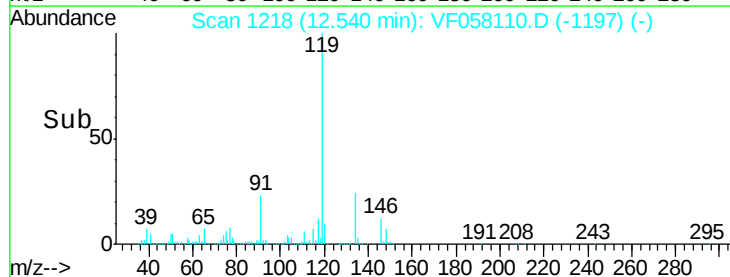
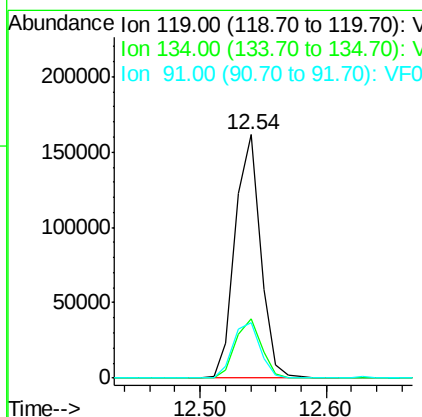
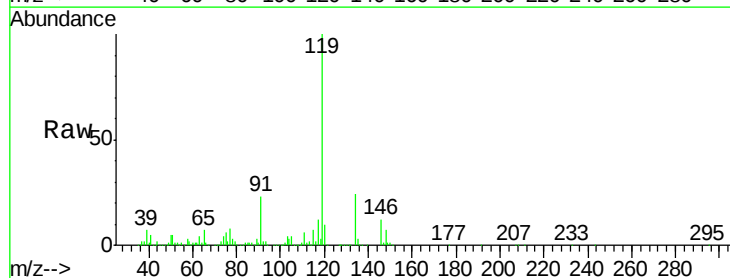
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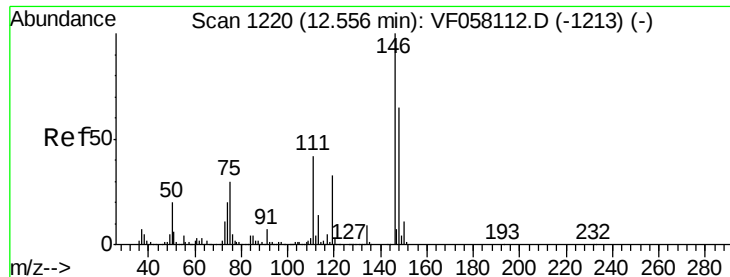
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#86
 p-Isopropyltoluene
 Concen: 10.099 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	12.7	38.0
91	22.8	12.6	37.6





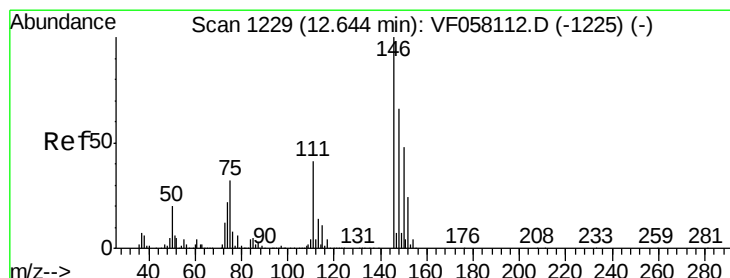
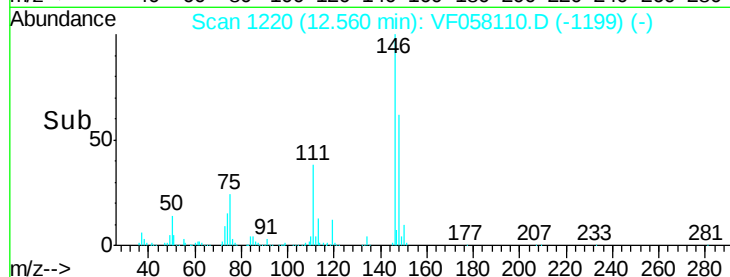
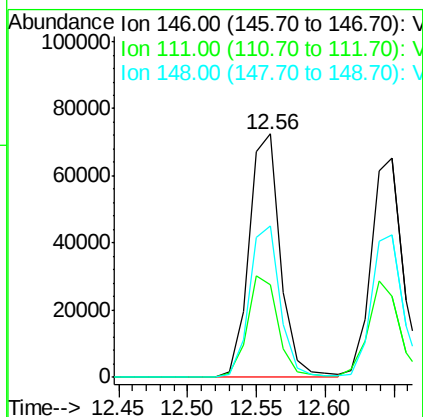
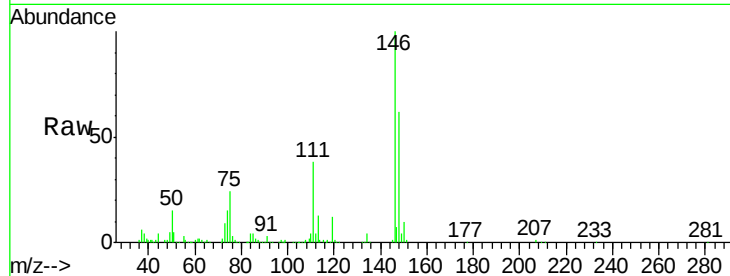
#87
 1,3-Dichlorobenzene
 Concen: 10.598 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115428		
111	38.0	20.8	62.5	
148	62.3	32.3	96.9	

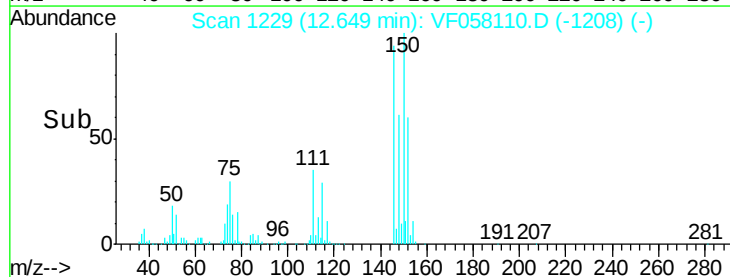
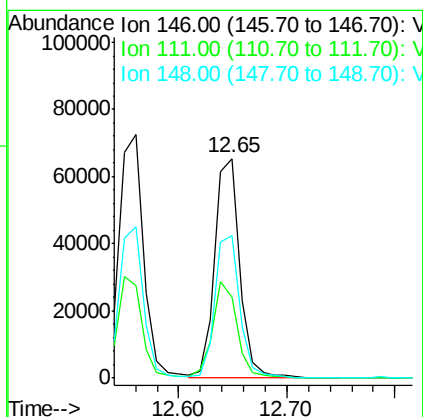
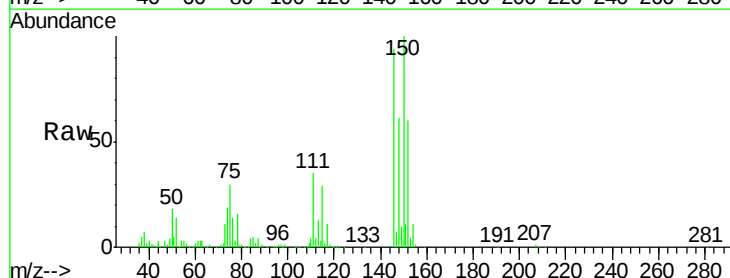
Manual Integrations
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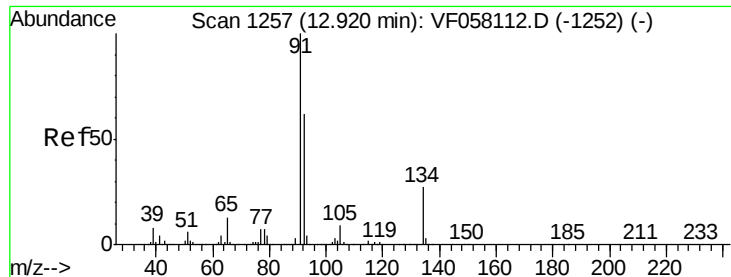
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#88
 1,4-Dichlorobenzene
 Concen: 10.102 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF058110.D
 Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105630		
111	37.1	20.4	61.2	
148	64.9	33.0	99.0	





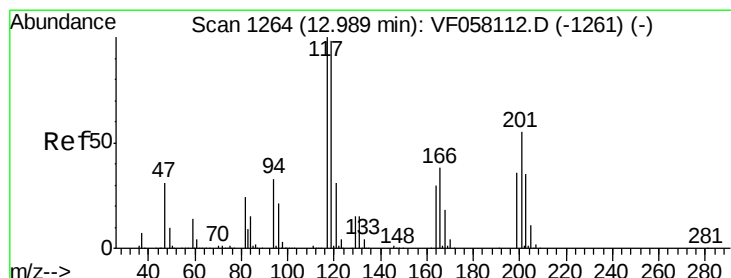
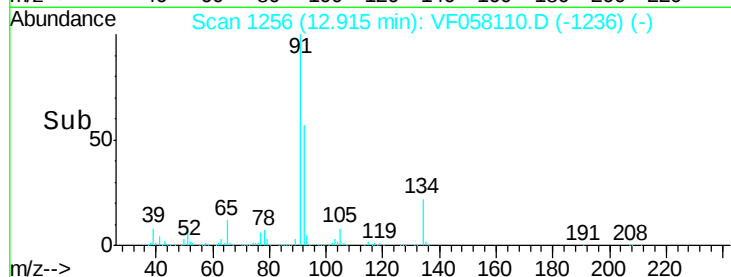
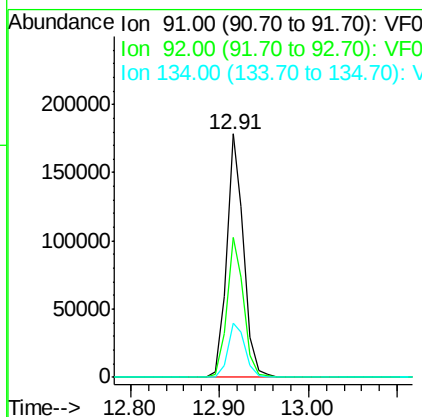
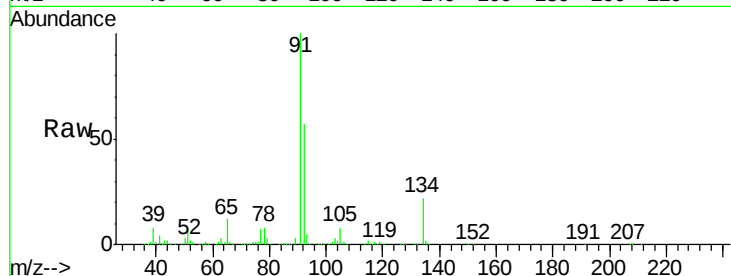
#89
n-Butylbenzene
Concen: 10.415 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	31.1	93.5
134	22.3	13.6	40.8

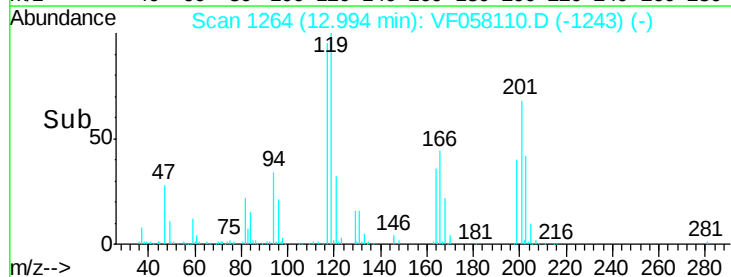
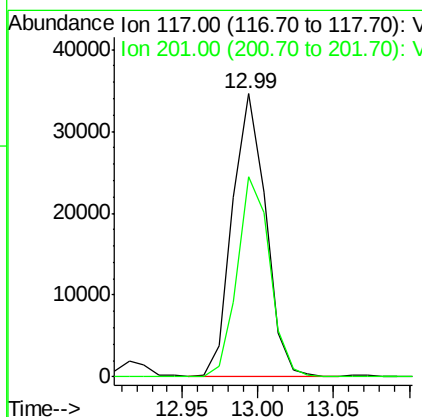
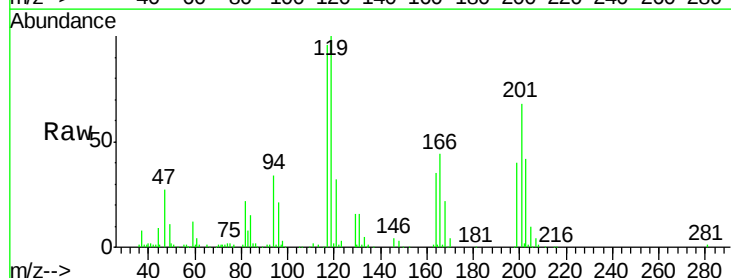
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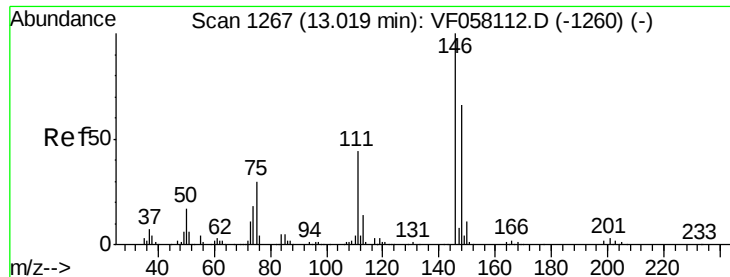
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#90
Hexachloroethane
Concen: 9.858 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 10.389 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

Instrument :

MSVOA_F

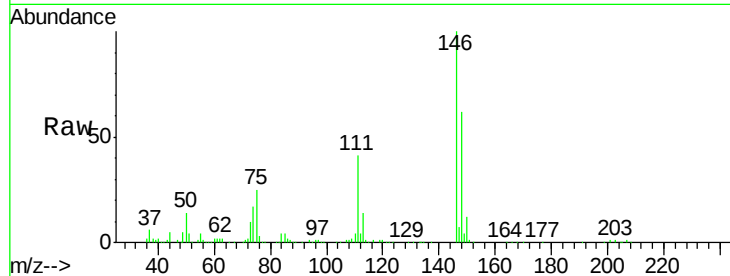
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	109840
Ion Ratio	Lower	Upper	
146	100		
111	40.8	22.0	66.0
148	61.7	33.1	99.3

Manual Integrations
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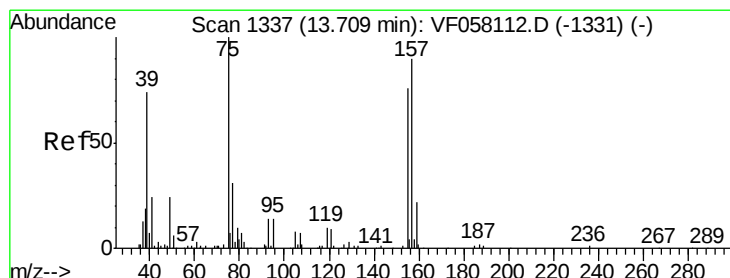
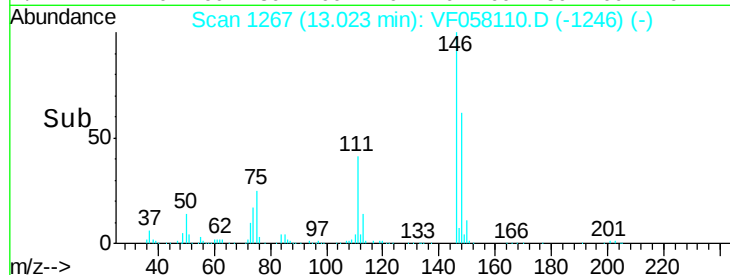
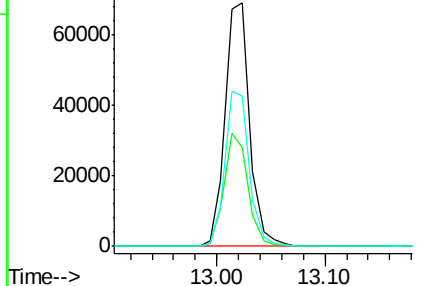
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.477 ug/l

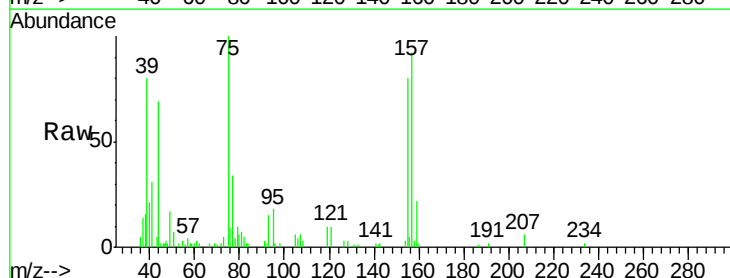
RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF058110.D

Acq: 6 Jun 2018 16:45

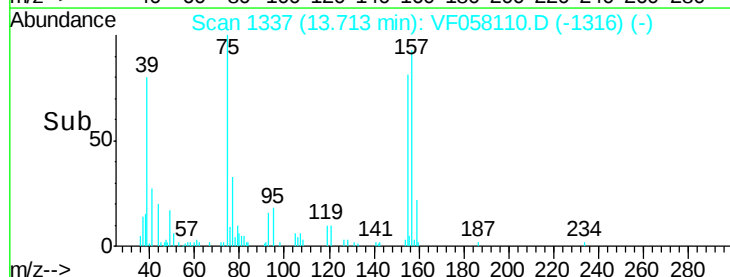
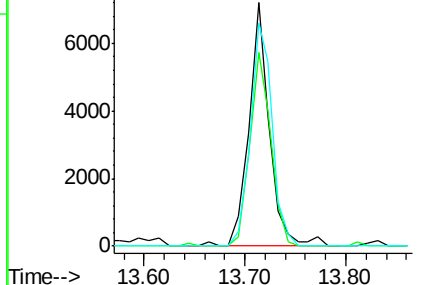
Tgt Ion:	75	Resp:	10265
Ion Ratio	Lower	Upper	
75	100		
155	79.5	38.0	114.0
157	91.8	45.1	135.5

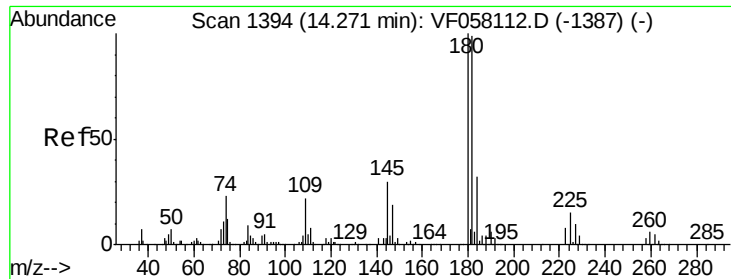


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





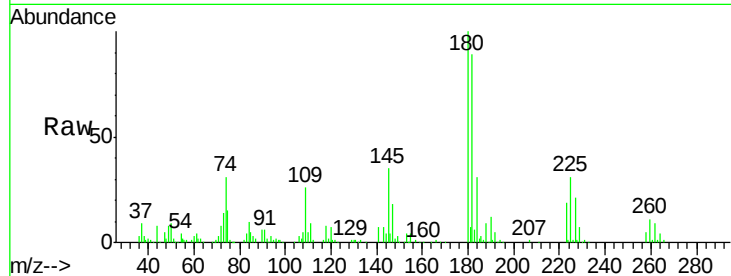
#93
1,2,4-Trichlorobenzene
Concen: 10.368 ug/l
RT: 14.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

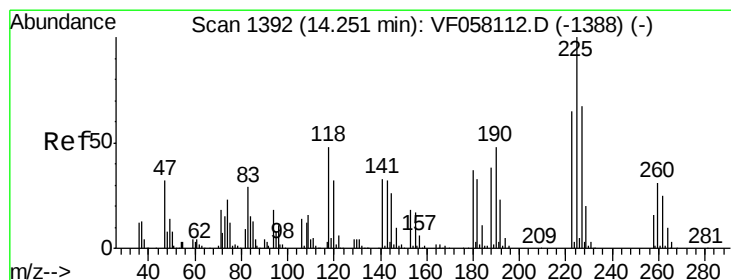
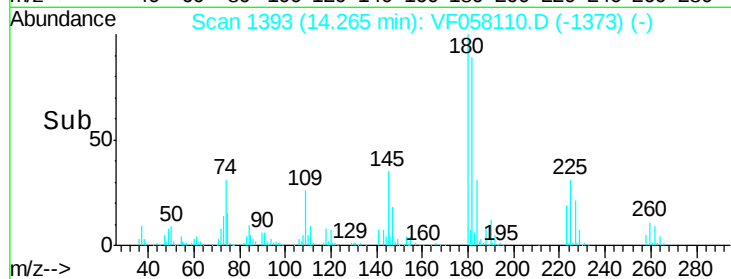
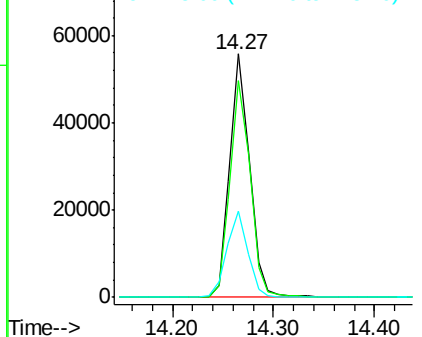
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	76883		
182	89.2	49.3	147.9	
145	35.2	14.9	44.9	

Manual Integrations
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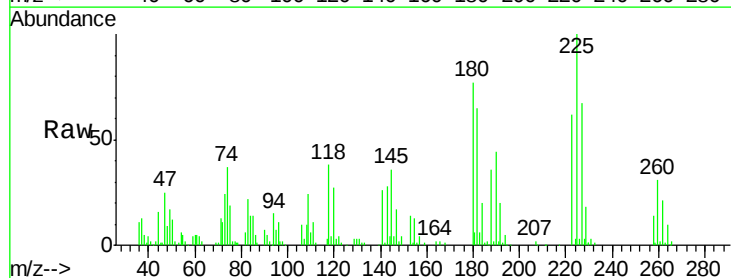


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

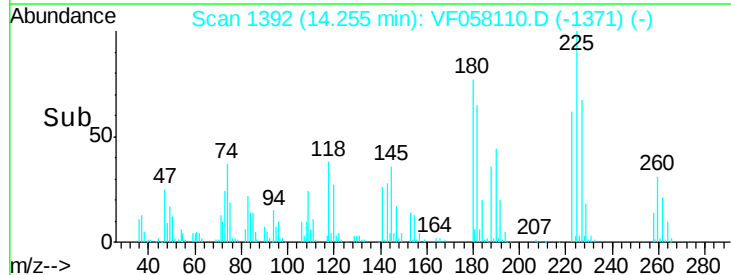
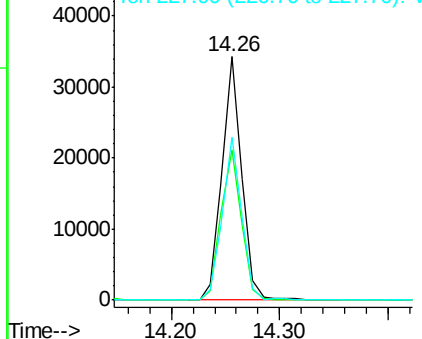


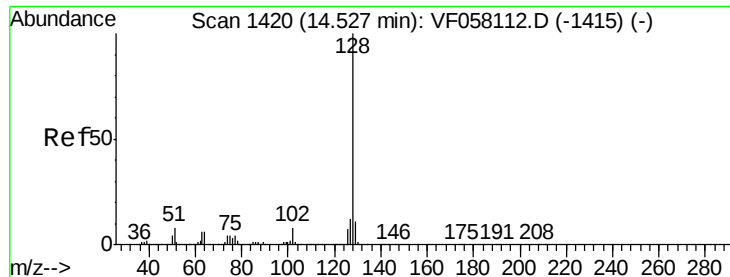
#94
Hexachlorobutadiene
Concen: 10.152 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43459		
223	61.6	32.8	98.3	
227	67.1	33.3	99.9	



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





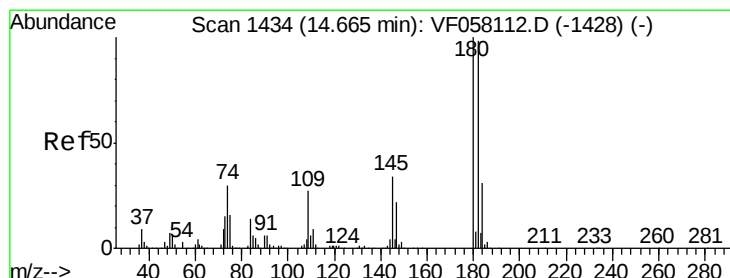
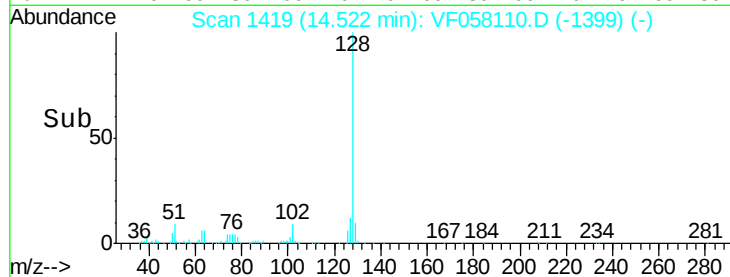
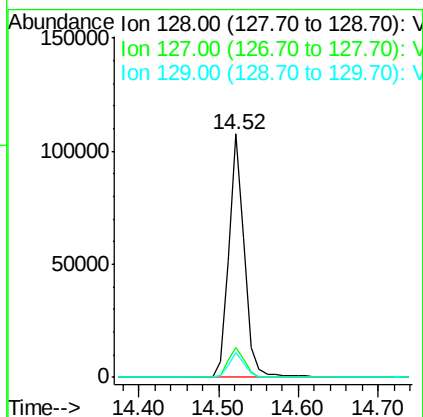
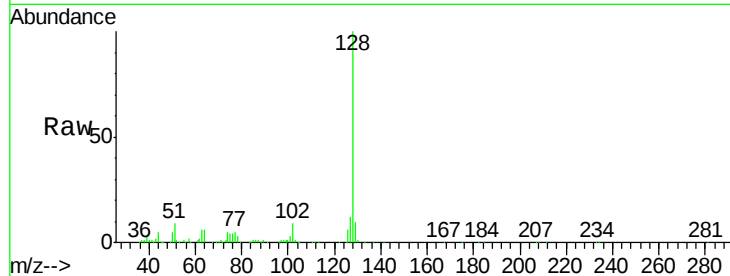
#95
Naphthalene
Concen: 9.371 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.1	9.9	14.9
129	10.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 9.010 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF058110.D
Acq: 6 Jun 2018 16:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	101.5	48.9	146.6
145	33.6	17.3	51.7

