

Data File : VF059116.D
Acq On : 6 Jun 2018 20:00
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:34 PM

Quant Time: Jun 07 11:00:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	361551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	583717	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	564490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	324252	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	212172	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	4.29	113	206385	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	7.70	98	623957	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.51	95	294867	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	207677	50.750	ug/l	97
3) Chloromethane	1.09	50	170339	53.739	ug/l	98
4) Vinyl Chloride	1.15	62	158468	55.413	ug/l	98
5) Bromomethane	1.33	94	92005	55.215	ug/l	98
6) Chloroethane	1.42	64	71366	60.145	ug/l	96
7) Trichlorofluoromethane	1.48	101	235857m	53.059	ug/l	
8) Diethyl Ether	1.70	74	57465	51.382	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	142167	50.182	ug/l	100
10) Methyl Iodide	1.95	142	266111	53.683	ug/l	93
11) Tert butyl alcohol	2.67	59	64585	229.879	ug/l	98
12) 1,1-Dichloroethene	1.85	96	123656	51.906	ug/l	89
13) Acrolein	2.08	56	61006	250.872	ug/l	99
14) Allyl chloride	2.18	41	249105	53.275	ug/l	96
15) Acrylonitrile	3.07	53	146388	262.347	ug/l	95
16) Acetone	2.33	43	266238	254.304	ug/l	96
17) Carbon Disulfide	1.84	76	371156m	55.490	ug/l	
18) Methyl Acetate	2.44	43	90824	50.465	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	388492	52.531	ug/l	100
20) Methylene Chloride	2.27	84	129014	51.466	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	129790	49.677	ug/l	98
22) Diisopropyl ether	2.92	45	485748	52.847	ug/l	95
23) Vinyl Acetate	3.32	43	1659561	273.839	ug/l	99
24) 1,1-Dichloroethane	3.00	63	286970	51.498	ug/l	100
25) 2-Butanone	4.50	43	399507	246.139	ug/l	98
26) 2,2-Dichloropropane	3.76	77	189926	46.980	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	197577	49.135	ug/l	94
28) Bromochloromethane	3.89	49	127058	50.658	ug/l #	94
29) Tetrahydrofuran	4.24	42	189123	264.440	ug/l	98
30) Chloroform	4.03	83	390258	48.956	ug/l	100
31) Cyclohexane	3.87	56	254340	52.249	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	291269	48.943	ug/l	97
36) 1,1-Dichloropropene	4.46	75	292250	51.653	ug/l	95
37) Ethyl Acetate	4.28	43	175475	50.194	ug/l	99
38) Carbon Tetrachloride	4.16	117	335251	54.673	ug/l	94

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	301463	52.271	ug/l	99
40) Benzene	4.80	78	659975	50.255	ug/l	96
41) Methacrylonitrile	4.92	41	87060	50.689	ug/l	94
42) 1,2-Dichloroethane	5.11	62	296922	50.411	ug/l	98
43) Isopropyl Acetate	7.11	43	248837	53.148	ug/l #	93
44) Trichloroethene	5.67	130	202872	49.440	ug/l	98
45) 1,2-Dichloropropane	6.40	63	189684	50.093	ug/l	98
46) Dibromomethane	6.25	93	140809	49.424	ug/l	91
47) Bromodichloromethane	6.54	83	324021	49.993	ug/l	97
48) Methyl methacrylate	6.86	41	148355	51.400	ug/l	100
49) 1,4-Dioxane	6.86	88	19103	906.313	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	803252	250.312	ug/l	100
52) Toluene	7.77	92	461397	48.778	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	296781	47.282	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	365290	50.661	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	171981	50.173	ug/l	96
56) Ethyl methacrylate	8.76	69	221927	51.365	ug/l	99
57) 1,3-Dichloropropane	8.99	76	292896	49.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	76251	246.813	ug/l	100
59) 2-Hexanone	9.62	43	650098	256.115	ug/l	99
60) Dibromochloromethane	8.86	129	244108	49.559	ug/l	97
61) 1,2-Dibromoethane	9.13	107	204478	51.339	ug/l	99
64) Tetrachloroethene	8.30	164	209327	50.559	ug/l	93
65) Chlorobenzene	9.94	112	575213	51.459	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	213306	47.971	ug/l	94
67) Ethyl Benzene	10.04	91	970050	49.944	ug/l	99
68) m/p-Xylenes	10.26	106	712460	97.975	ug/l	99
69) o-Xylene	10.83	106	399197	50.793	ug/l	98
70) Styrene	10.90	104	588890	49.523	ug/l	98
71) Bromoform	10.88	173	154084	51.026	ug/l	100
73) Isopropylbenzene	11.23	105	1091320	48.613	ug/l	96
74) N-amyl acetate	11.46	43	421354	52.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	258509	48.570	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	187509	47.703	ug/l	97
77) Bromobenzene	11.59	156	272213	48.180	ug/l	87
78) n-propylbenzene	11.68	91	1259995	47.418	ug/l	97
79) 2-Chlorotoluene	11.81	91	747895	47.644	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	899466	48.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	122457	48.049	ug/l	99
82) 4-Chlorotoluene	11.99	91	815886	48.821	ug/l	97
83) tert-Butylbenzene	12.22	119	893069	48.407	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	944721	49.072	ug/l	97
85) sec-Butylbenzene	12.38	105	1236409	49.320	ug/l	99
86) p-Isopropyltoluene	12.54	119	1019035	49.491	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	491642	47.132	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	497583	49.500	ug/l	97
89) n-Butylbenzene	12.92	91	1024662	47.724	ug/l	99
90) Hexachloroethane	12.99	117	252344	49.766	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	485814	48.345	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	53743	51.478	ug/l	70

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	358940	51.069	ug/l	97
94) Hexachlorobutadiene	14.26	225	208621	51.292	ug/l	97
95) Naphthalene	14.52	128	771701	51.403	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	339239	52.230	ug/l	97

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

Data File : VF059116.D

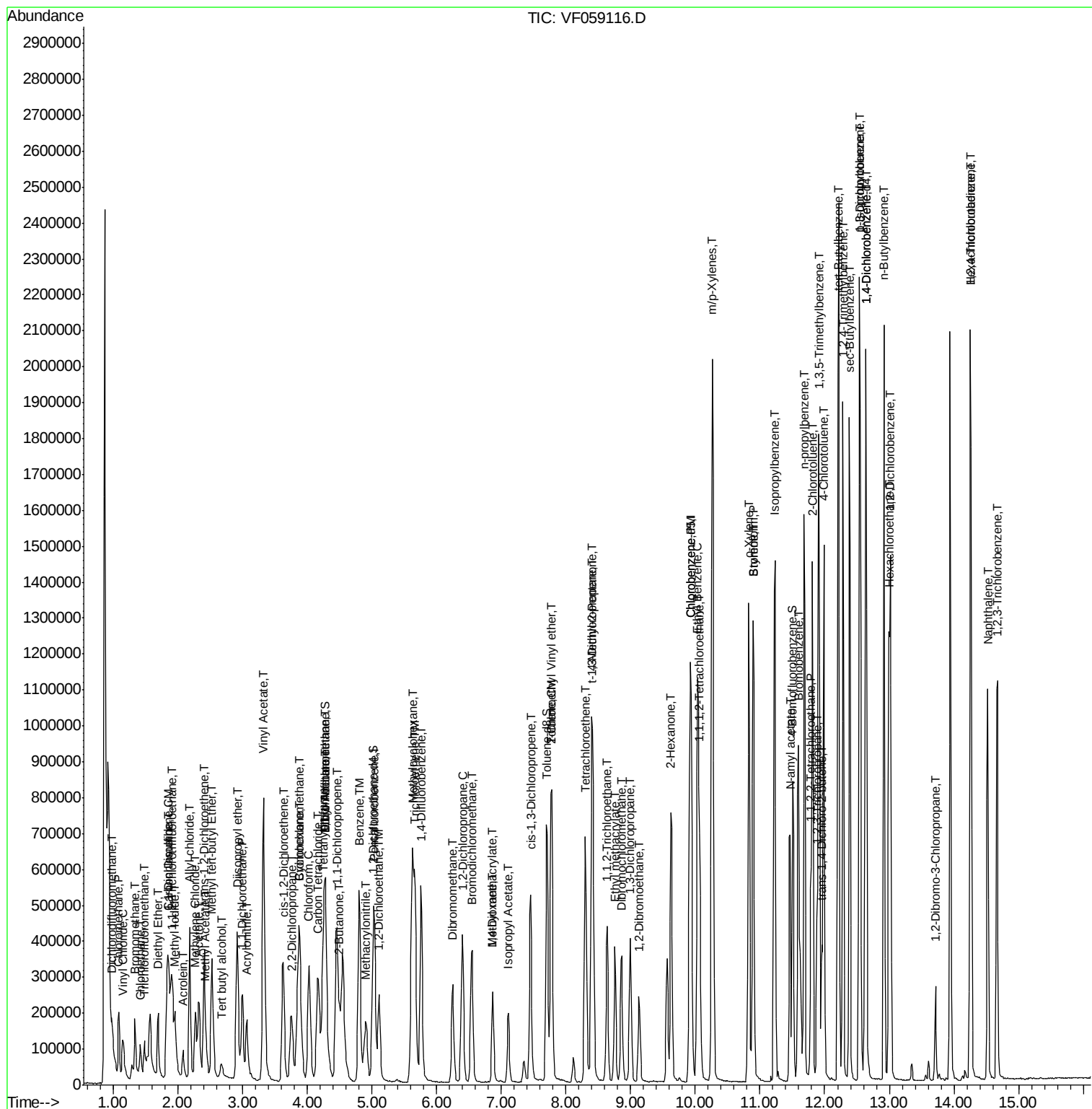
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Acq On       : 6 Jun 2018 20:00
Operator     : JC/SY
Sample       : VSTDICV050
Misc         : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial     : 11 Sample Multiplier: 1
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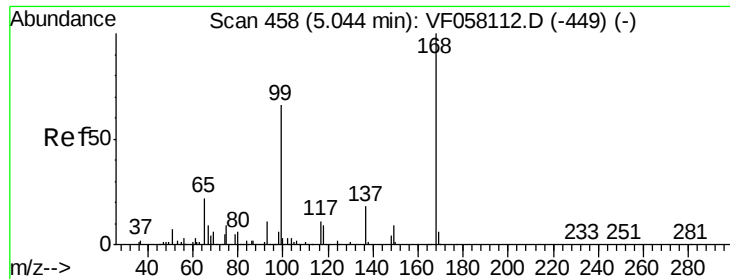
Instrument :
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Manual Integrations
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Quant Time: Jun 07 11:00:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 168 Resp: 361551

Ion Ratio Lower Upper

168 100

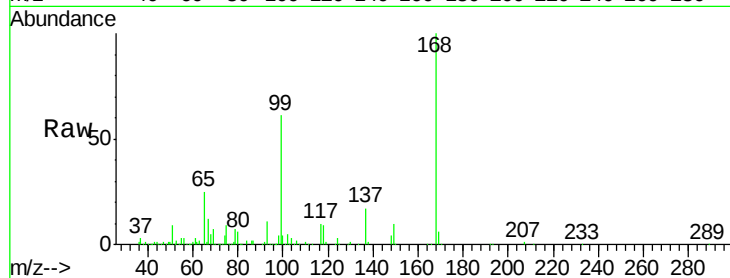
99 61.0 52.9 79.3

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

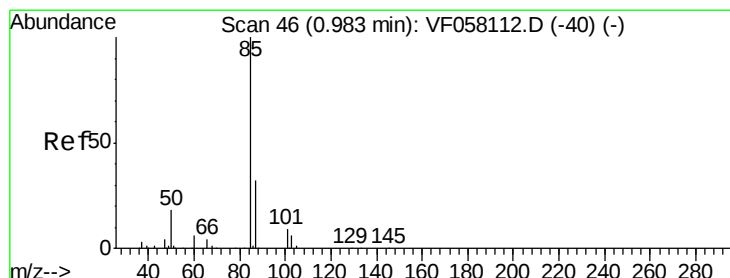
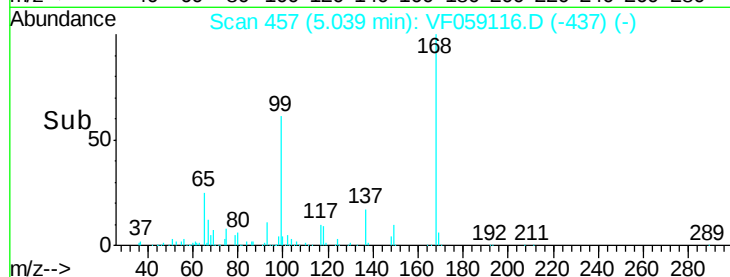
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 50.750 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059116.D

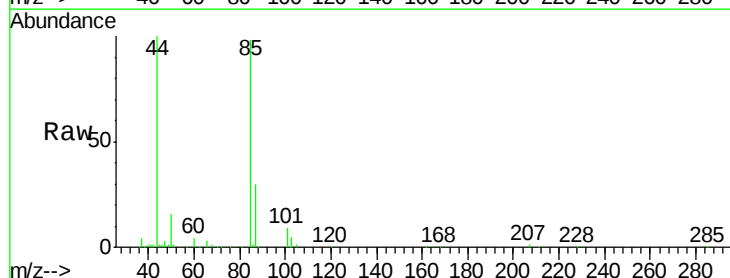
Acq: 6 Jun 2018 20:00

Tgt Ion: 85 Resp: 207677

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

60000

50000

40000

30000

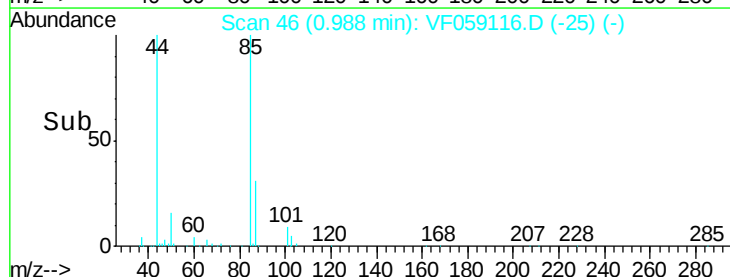
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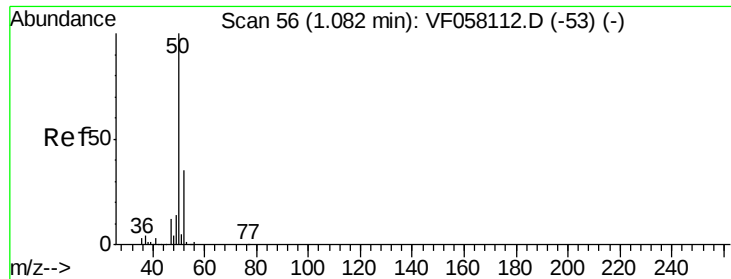
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 53.739 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 50 Resp: 170339

Ion Ratio Lower Upper

50 100

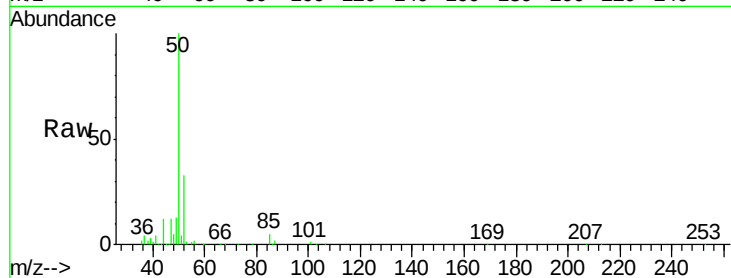
52 32.7 27.3 40.9

Manual Integrations

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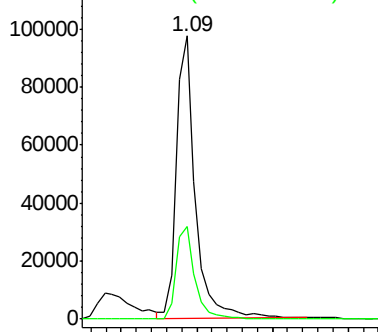
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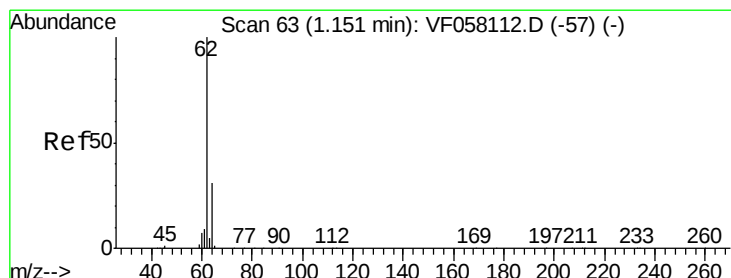
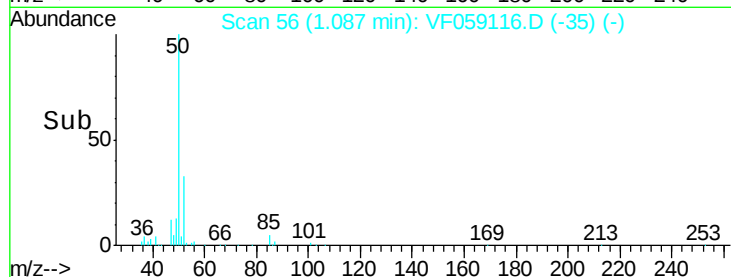


Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->



#4

Vinyl Chloride

Concen: 55.413 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059116.D

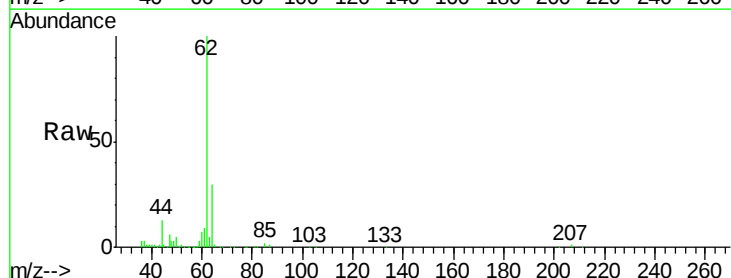
Acq: 6 Jun 2018 20:00

Tgt Ion: 62 Resp: 158468

Ion Ratio Lower Upper

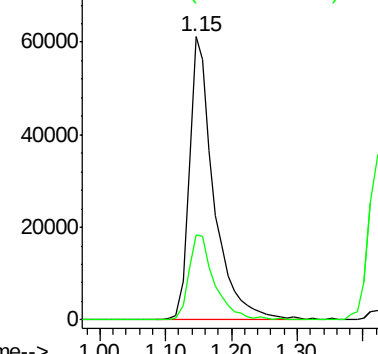
62 100

64 30.1 25.0 37.6

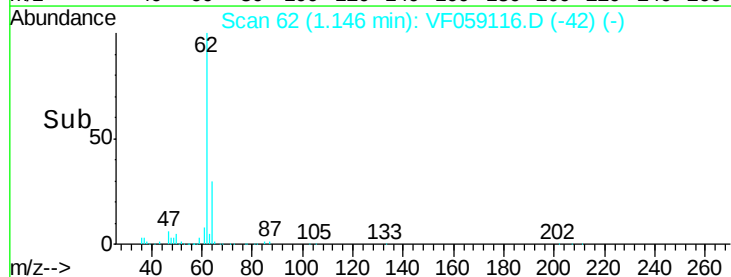


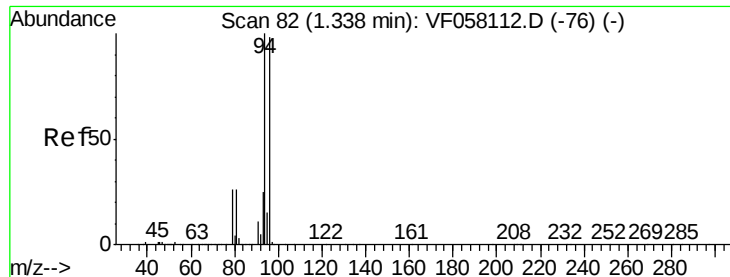
Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time-->





#5

Bromomethane

Concen: 55.215 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 94 Resp: 92005

Ion Ratio Lower Upper

94 100

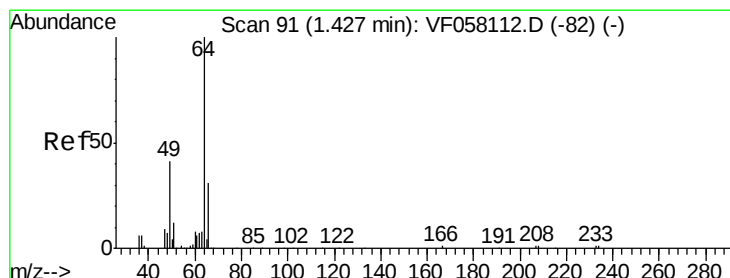
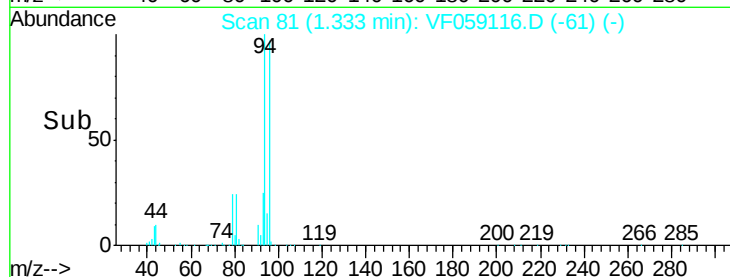
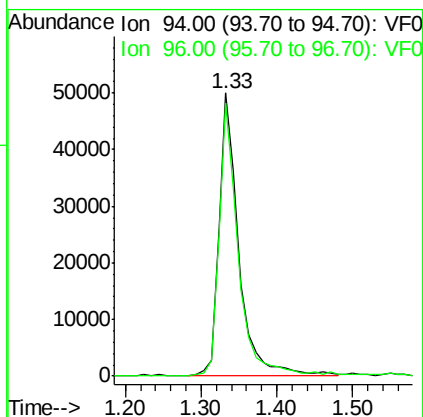
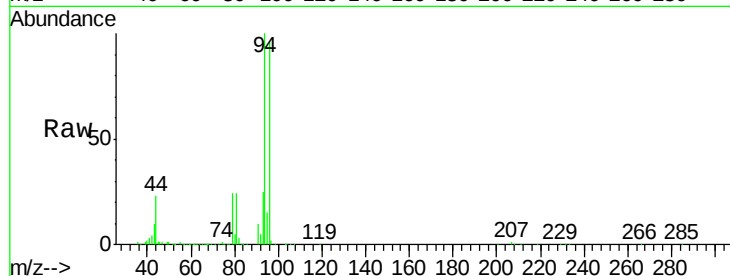
96 96.4 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 60.145 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059116.D

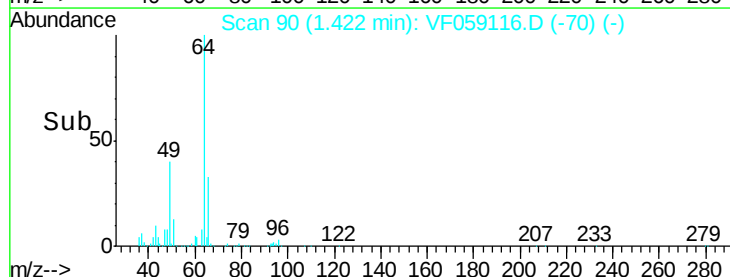
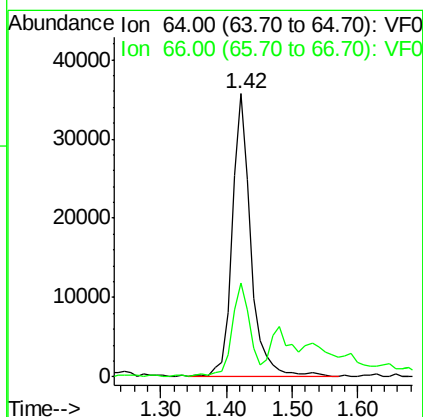
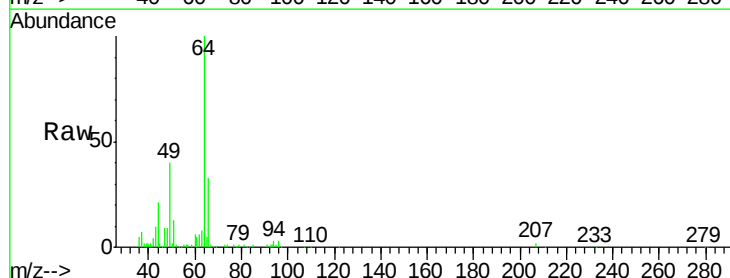
Acq: 6 Jun 2018 20:00

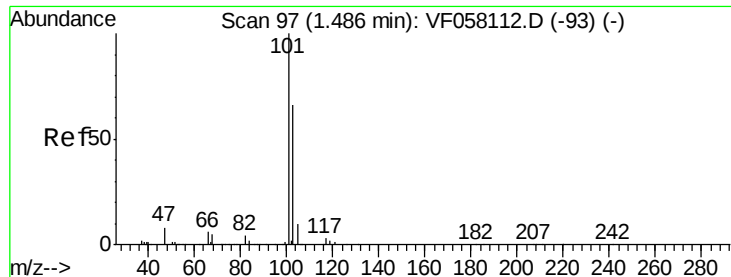
Tgt Ion: 64 Resp: 71366

Ion Ratio Lower Upper

64 100

66 33.1 24.9 37.3





#7

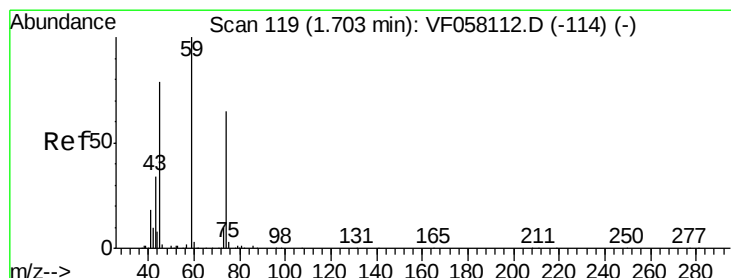
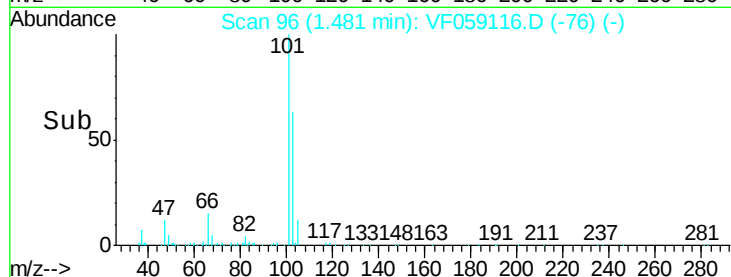
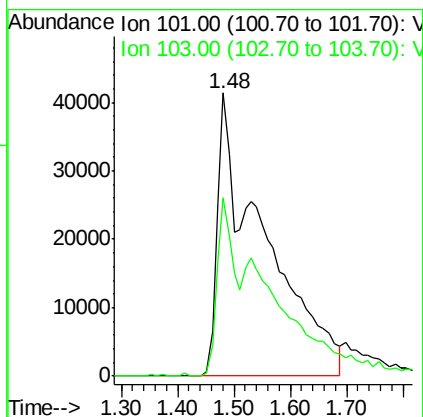
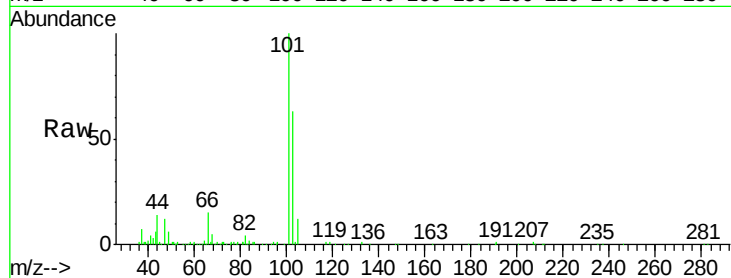
Trichlorofluoromethane
Concen: 53.059 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
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ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.4	80.2

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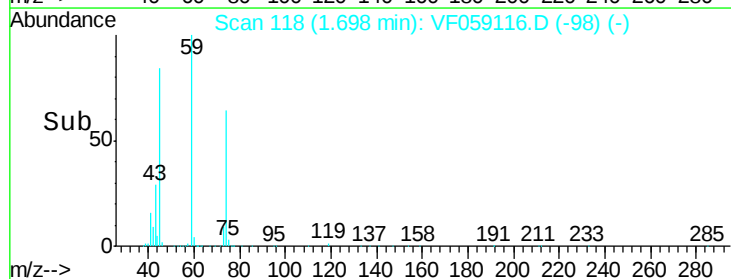
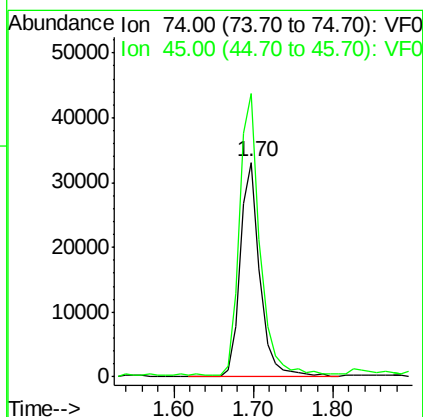
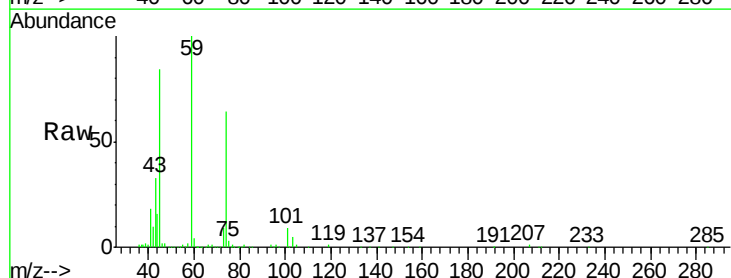
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#8

Diethyl Ether
Concen: 51.382 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.7	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.182 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

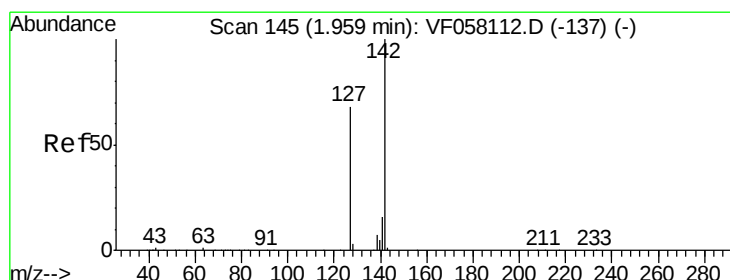
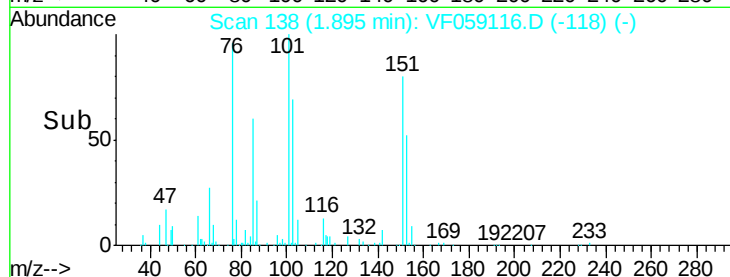
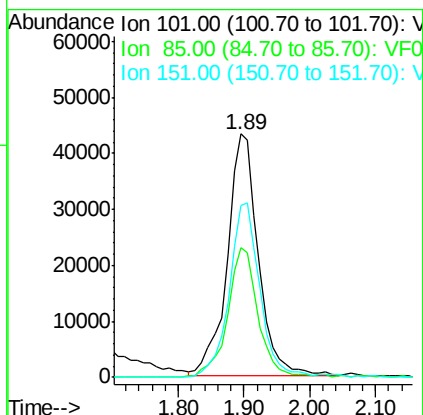
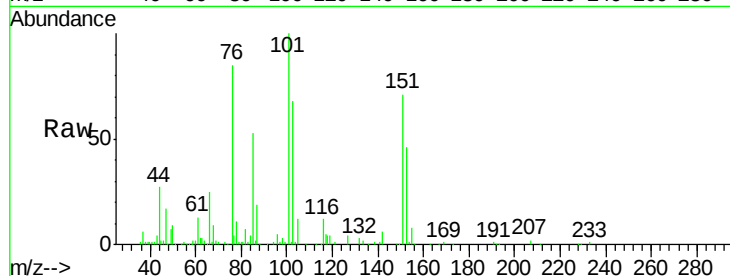
ClientSampleId :

VSTDICV050

Tgt Ion:	101	Resp:	142167
Ion Ratio	Lower	Upper	
101	100		
85	53.2	42.2	63.4
151	70.7	56.8	85.2

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#10

Methyl Iodide

Concen: 53.683 ug/l

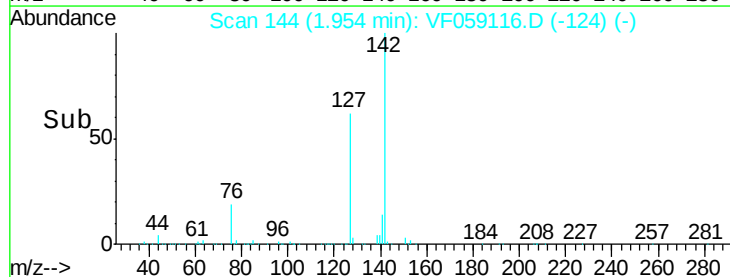
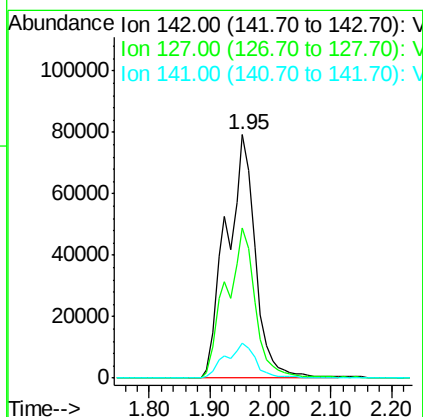
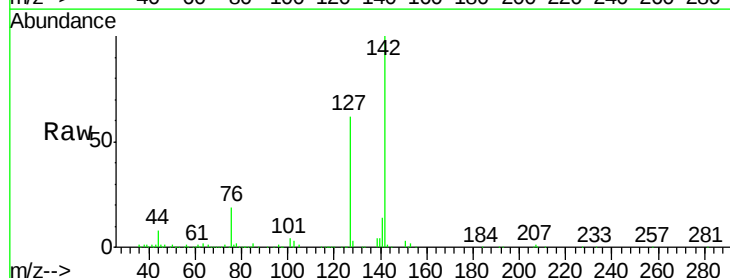
RT: 1.95 min Scan# 144

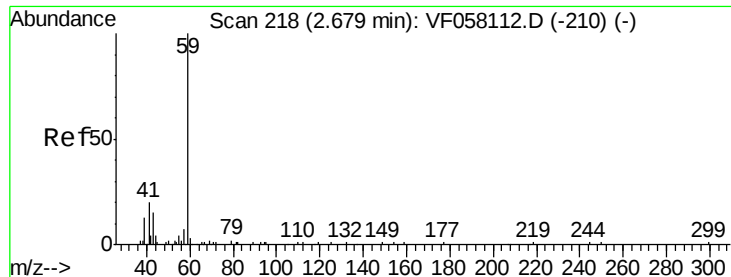
Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	142	Resp:	266111
Ion Ratio	Lower	Upper	
142	100		
127	61.7	54.1	81.1
141	14.3	13.0	19.4





#11

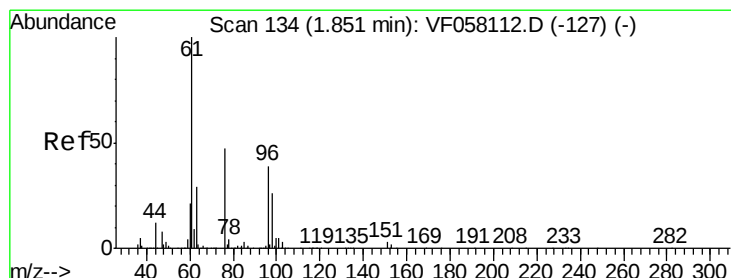
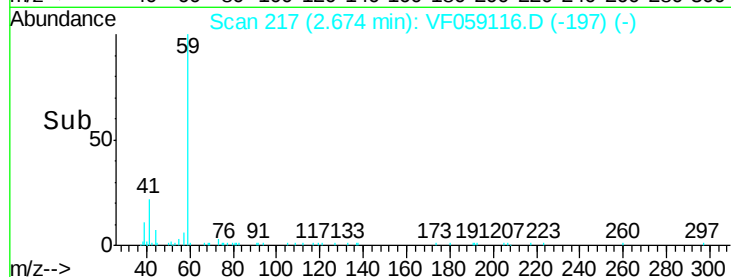
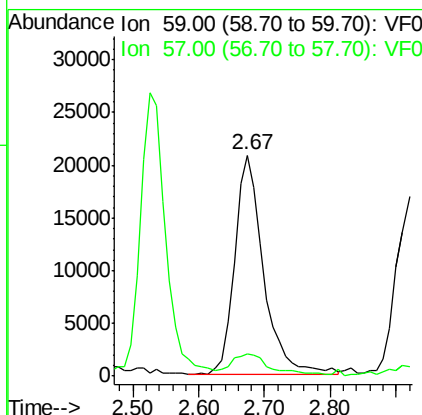
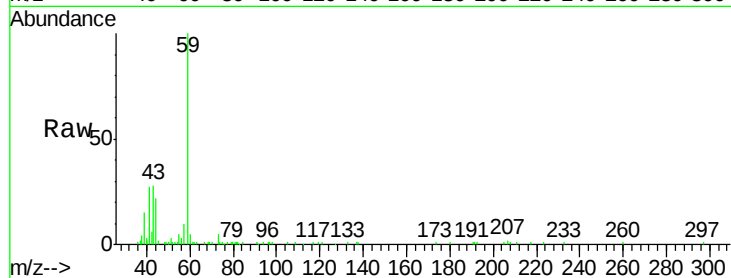
Tert butyl alcohol
Concen: 229.879 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.7	13.1

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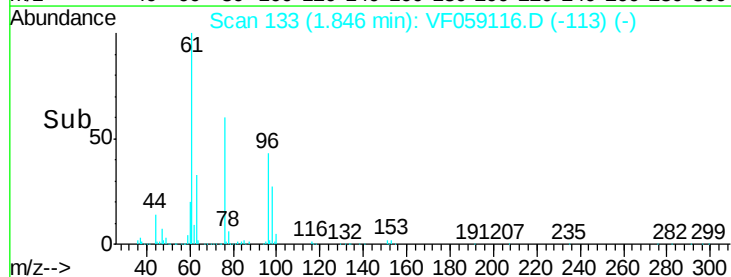
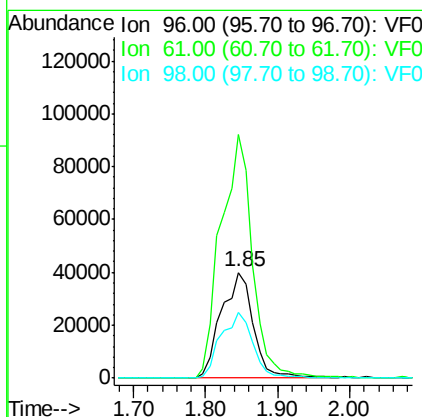
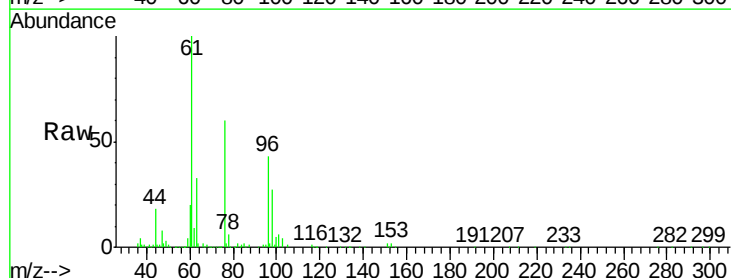
apatel
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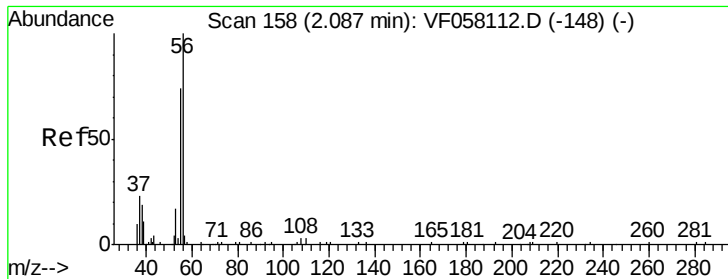


#12

1,1-Dichloroethene
Concen: 51.906 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	230.5	203.0	304.4
98	61.9	52.7	79.1





#13

Acrolein

Concen: 250.872 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 56 Resp: 61006

Ion Ratio Lower Upper

56 100

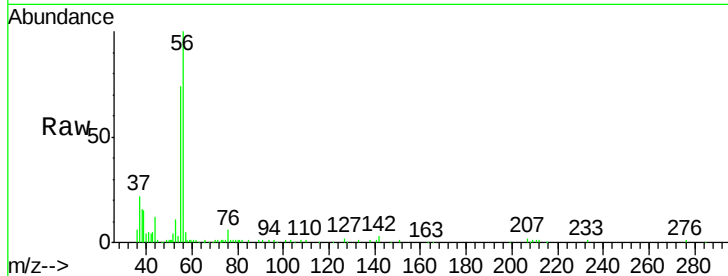
55 74.2 60.0 90.0

Manual Integrations

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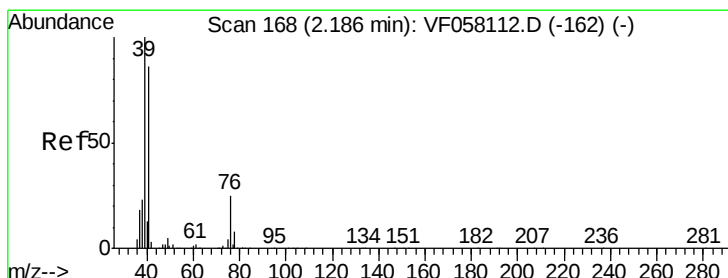
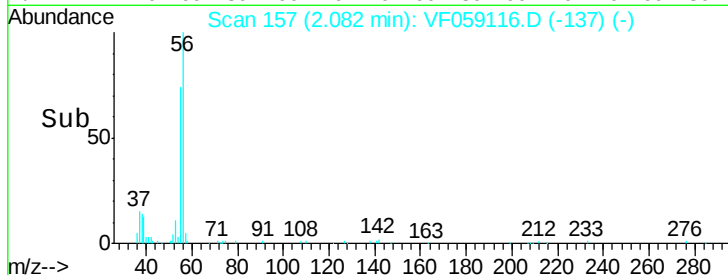
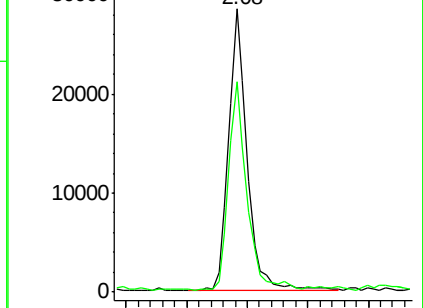
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 53.275 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

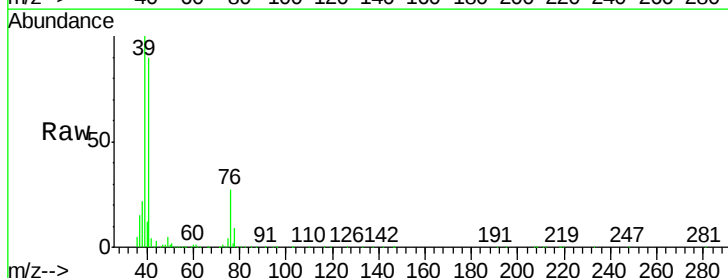
Tgt Ion: 41 Resp: 249105

Ion Ratio Lower Upper

41 100

39 111.0 93.5 140.3

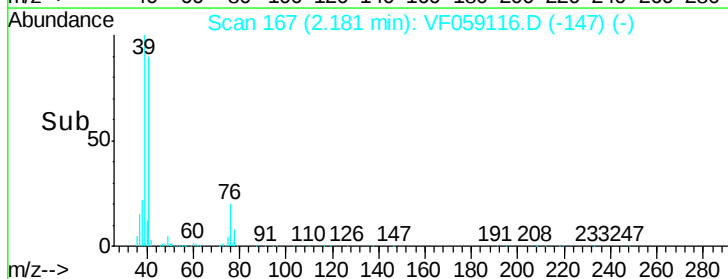
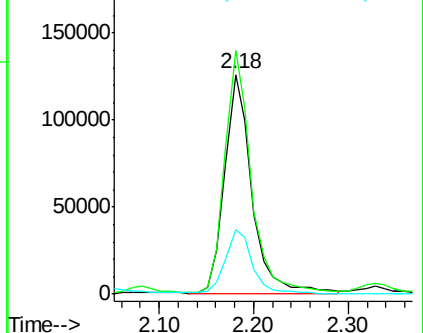
76 29.5 23.9 35.9

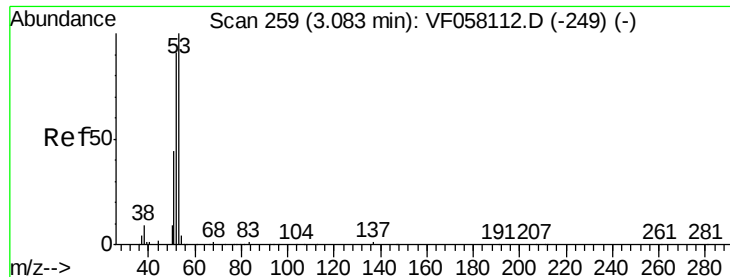


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





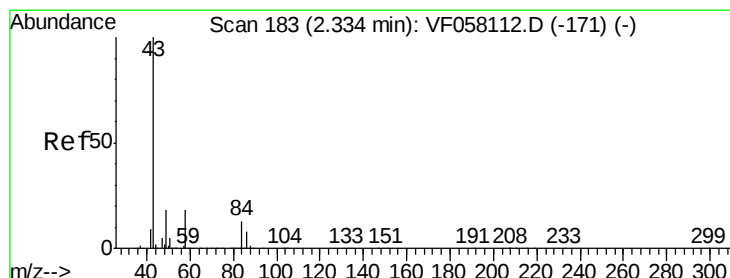
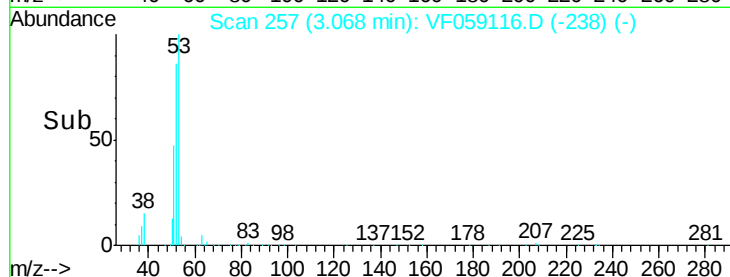
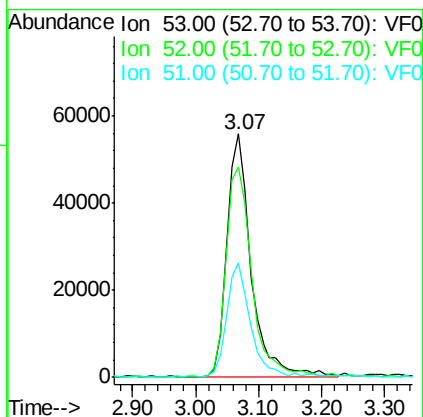
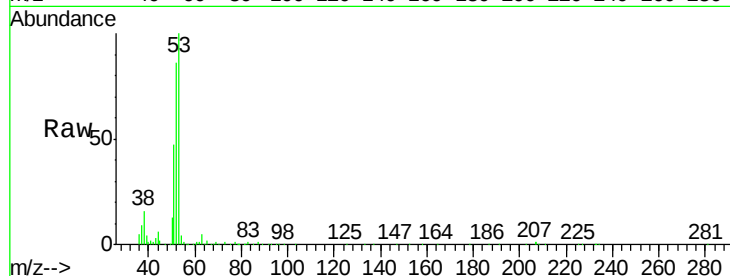
#15
Acrylonitrile
Concen: 262.347 ug/l
RT: 3.07 min Scan# 257
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.2	73.2	109.8
51	47.1	35.6	53.4

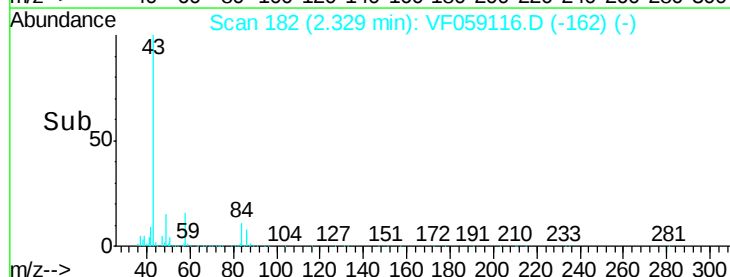
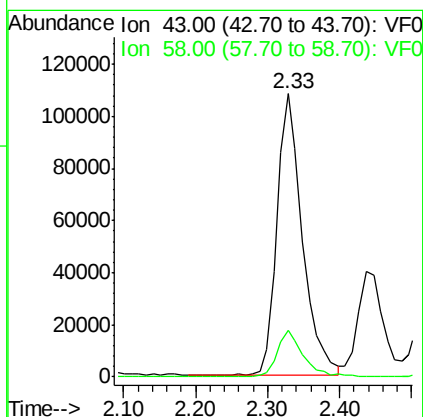
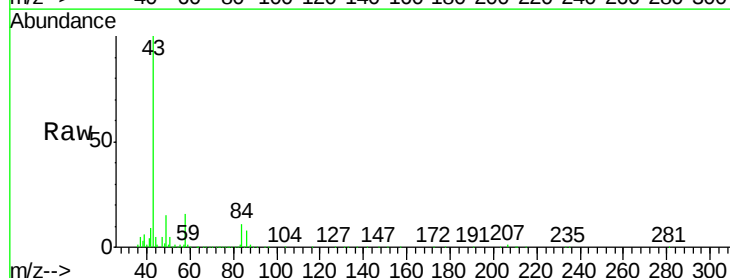
Manual Integrations
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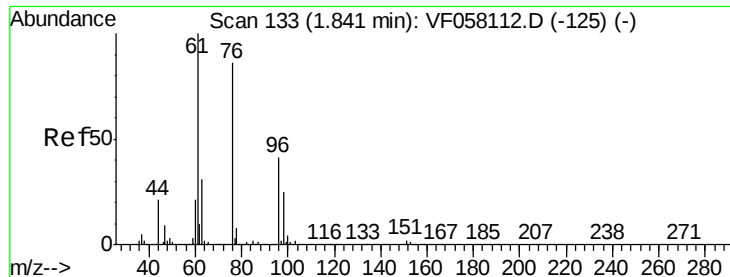
apatel
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#16
Acetone
Concen: 254.304 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.2	14.4	21.6





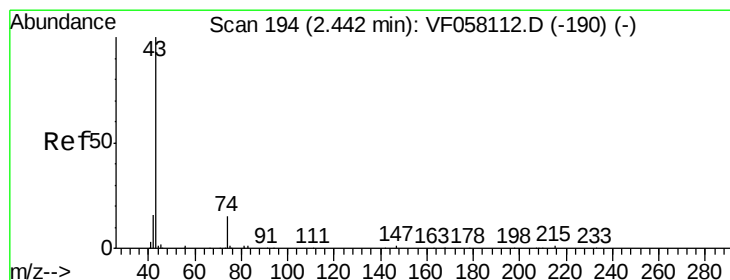
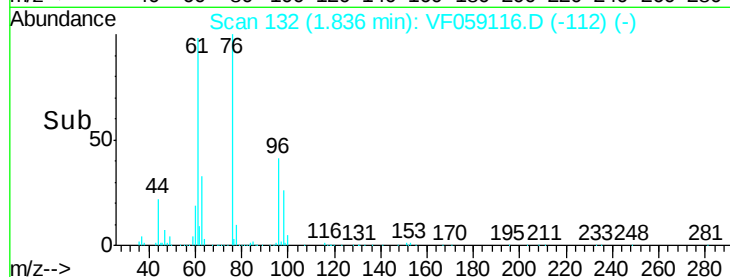
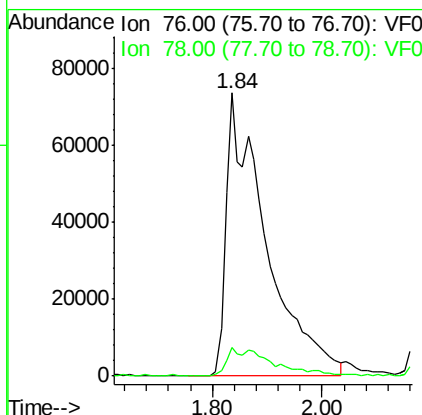
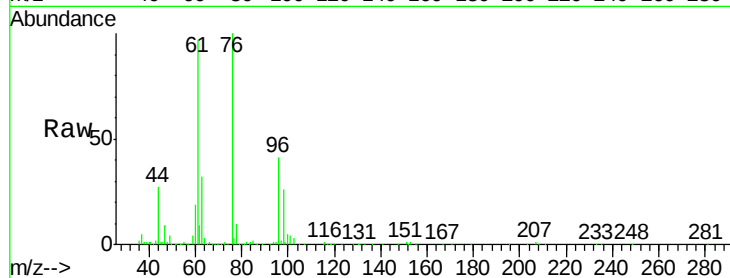
#17
Carbon Disulfide
Concen: 55.490 ug/l m
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion: 76 Resp: 371156
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.8

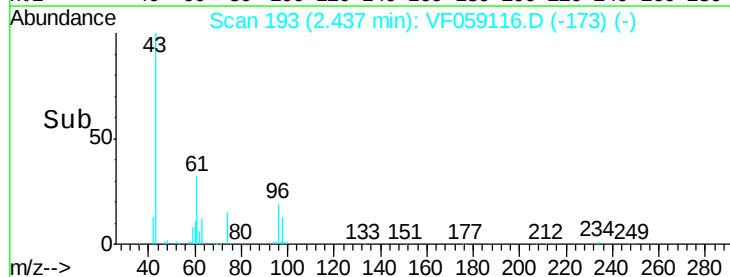
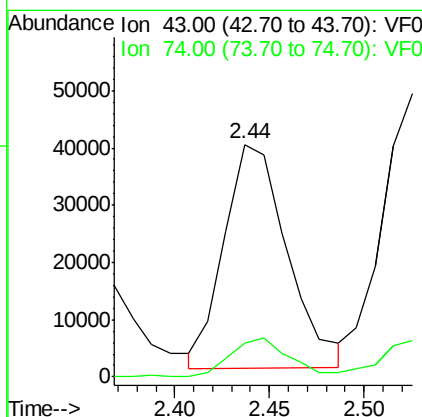
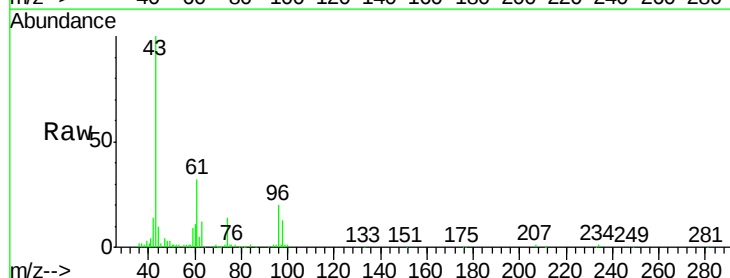
Manual Integrations
APPROVED

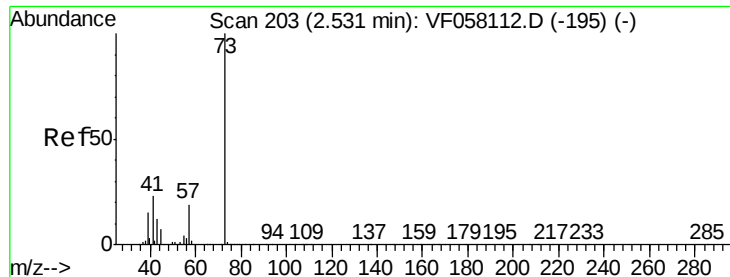
apatel
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#18
Methyl Acetate
Concen: 50.465 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion: 43 Resp: 90824
Ion Ratio Lower Upper
43 100
74 14.4 10.9 16.3





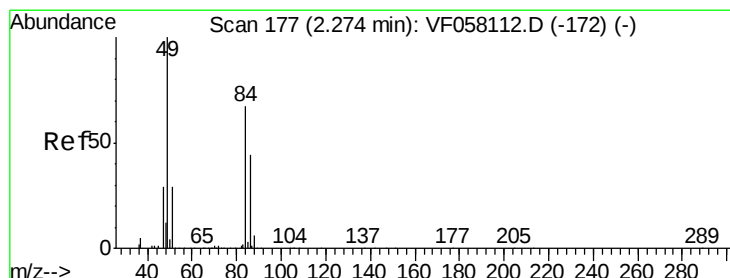
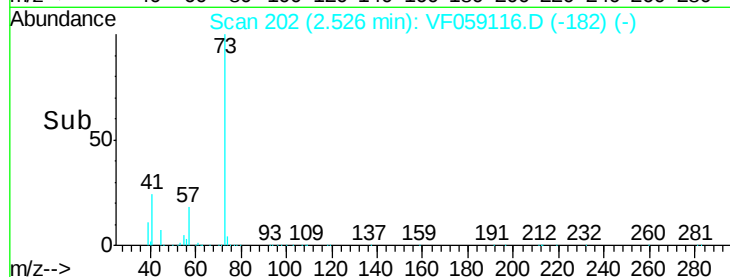
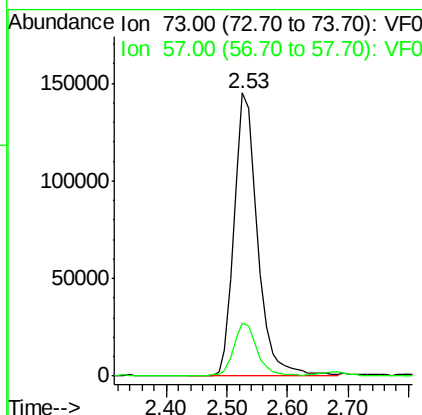
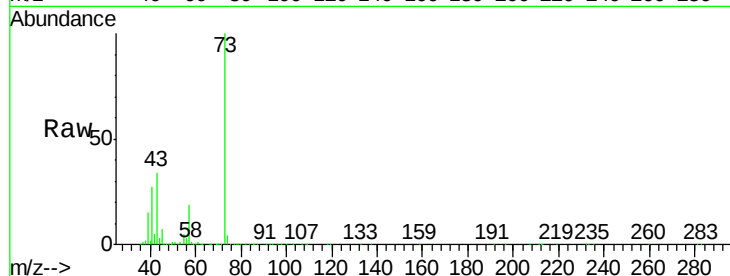
#19
Methyl tert-butyl Ether
Concen: 52.531 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion: 73 Resp: 388492
Ion Ratio Lower Upper
73 100
57 18.5 15.0 22.4

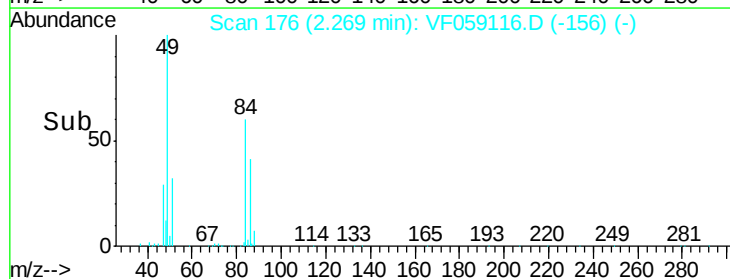
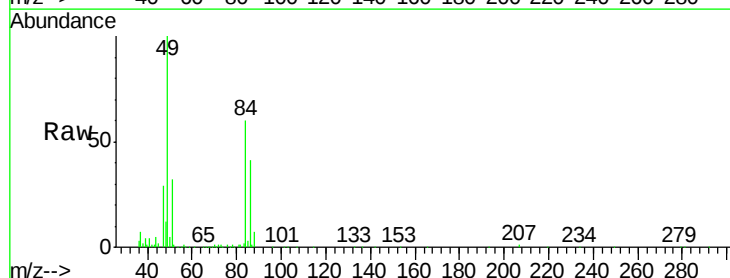
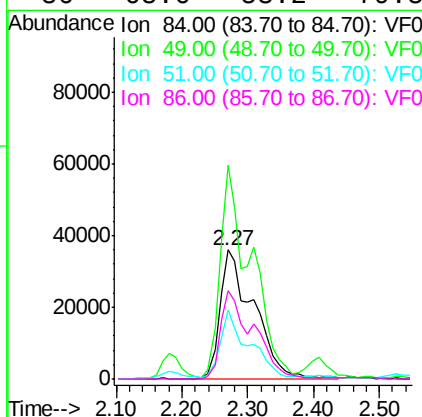
Manual Integrations
APPROVED

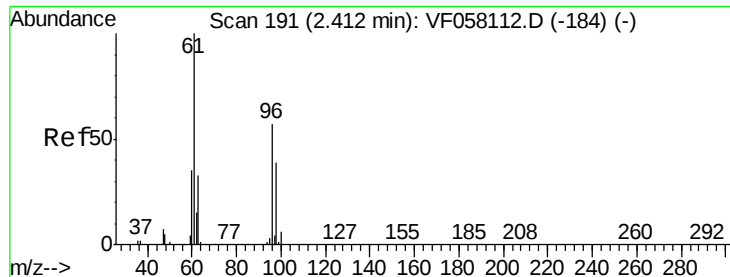
apatel
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#20
Methylene Chloride
Concen: 51.466 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion: 84 Resp: 129014
Ion Ratio Lower Upper
84 100
49 165.9 121.0 181.4
51 53.3 35.8 53.6
86 68.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 49.677 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

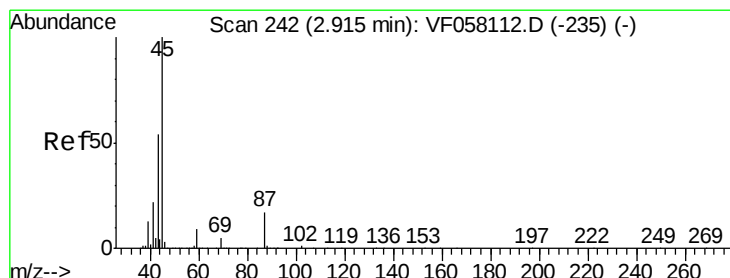
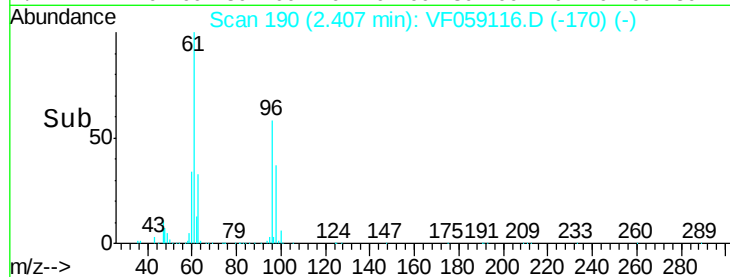
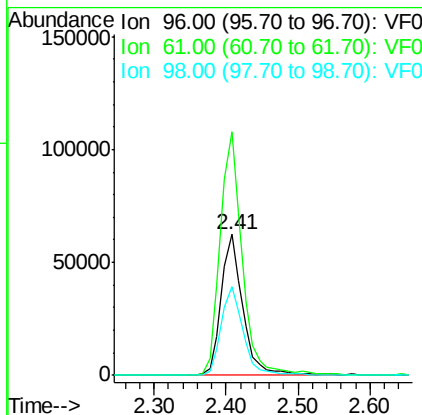
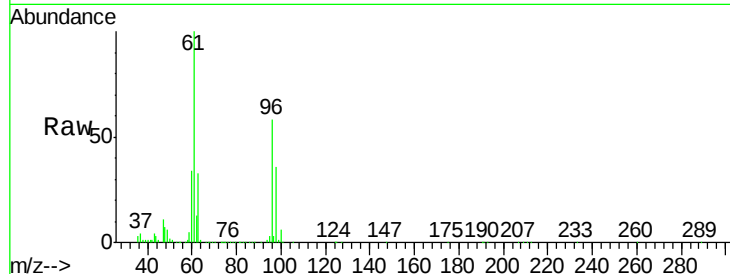
ClientSampleId :

VSTDICV050

Tgt Ion:	96	Resp:	129790
Ion	Ratio	Lower	Upper
96	100		
61	172.9	139.4	209.2
98	63.1	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.847 ug/l

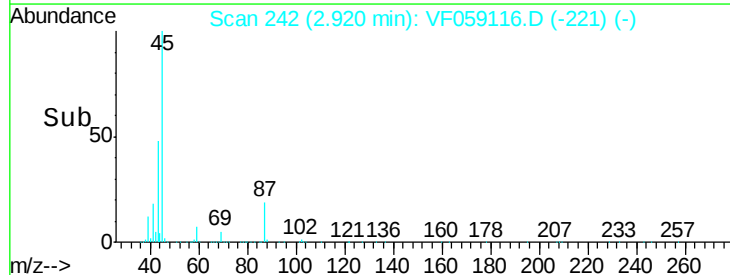
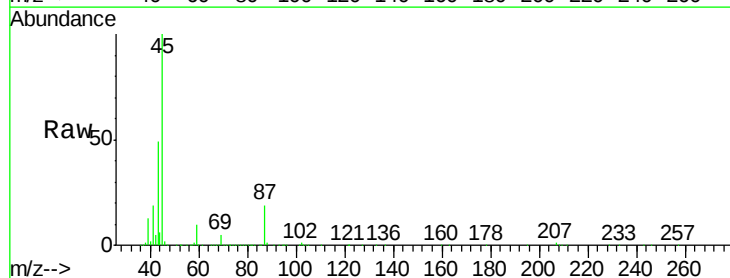
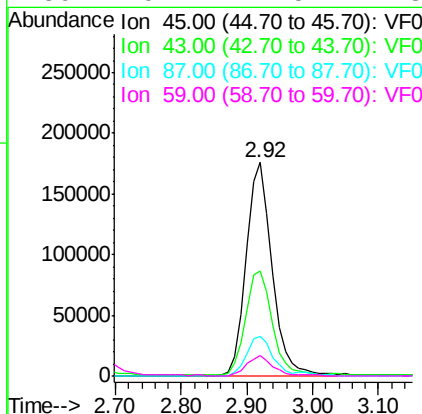
RT: 2.92 min Scan# 242

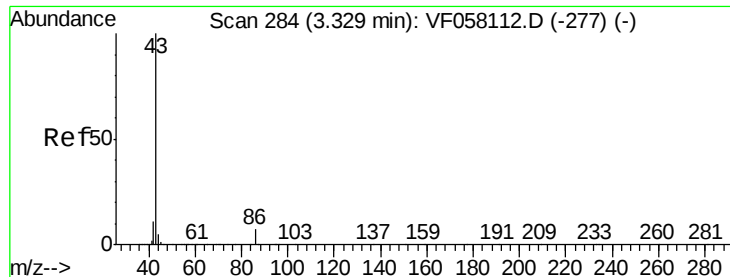
Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	45	Resp:	485748
Ion	Ratio	Lower	Upper
45	100		
43	49.0	43.2	64.8
87	18.8	13.8	20.6
59	9.7	7.5	11.3





#23

Vinyl Acetate

Concen: 273.839 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 43 Resp: 1659561

Ion Ratio Lower Upper

43 100

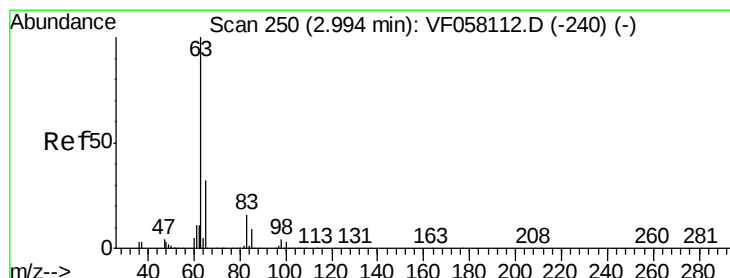
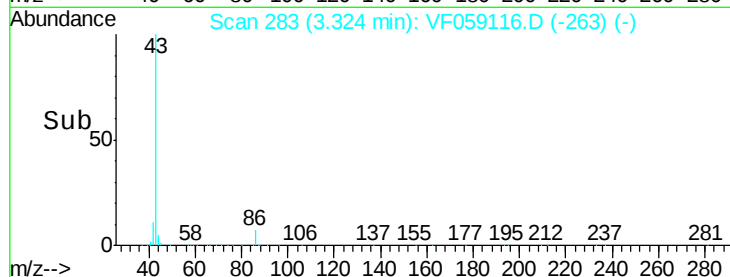
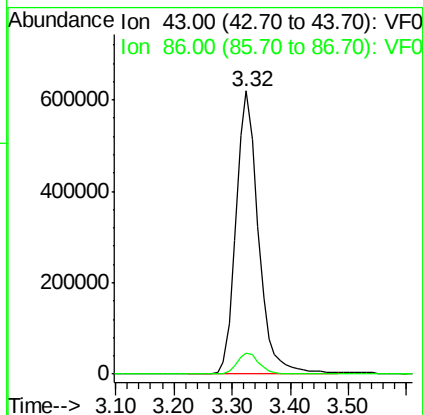
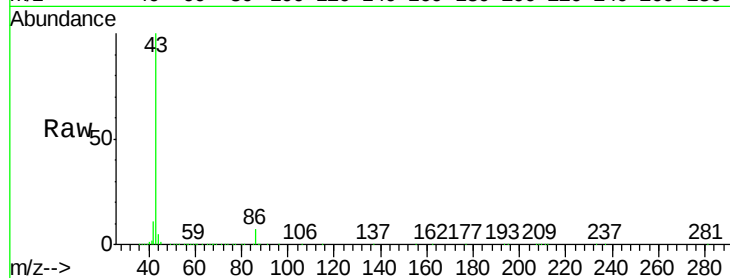
86 7.3 6.0 9.0

Manual Integrations

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apatel

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#24

1,1-Dichloroethane

Concen: 51.498 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

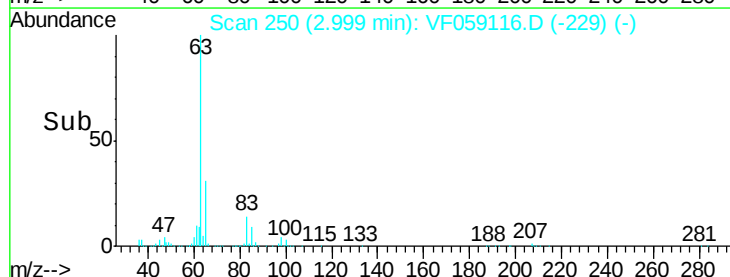
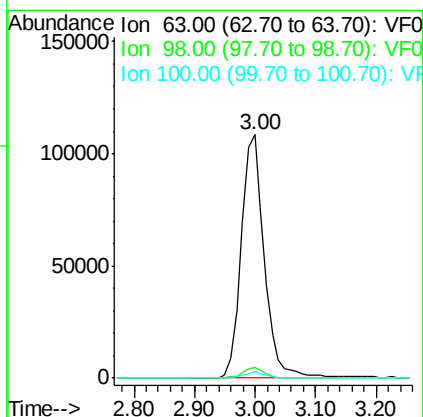
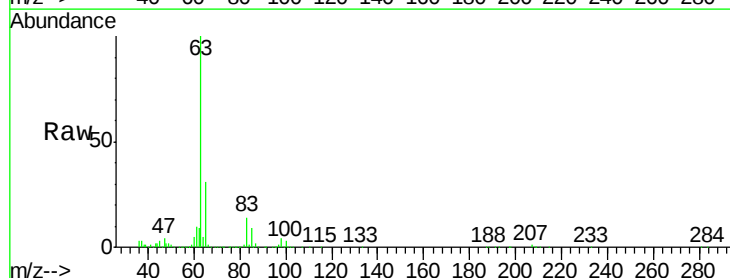
Tgt Ion: 63 Resp: 286970

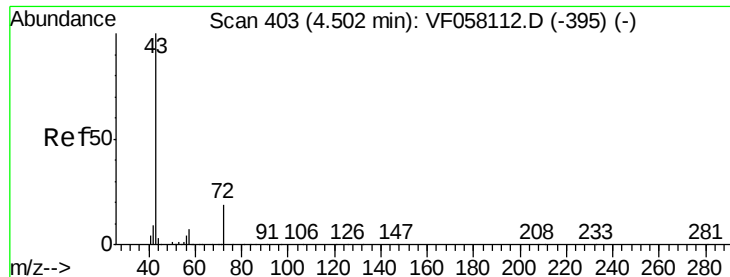
Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.8 1.4 4.0





#25

2-Butanone

Concen: 246.139 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 43 Resp: 399507

Ion Ratio Lower Upper

43 100

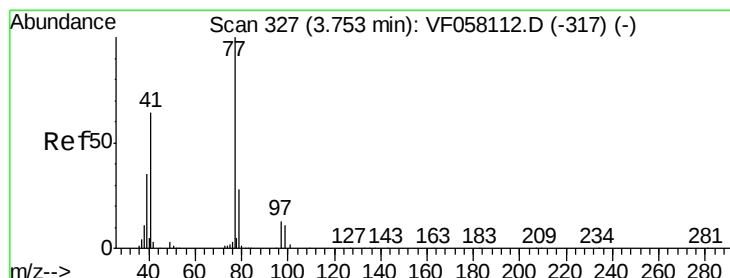
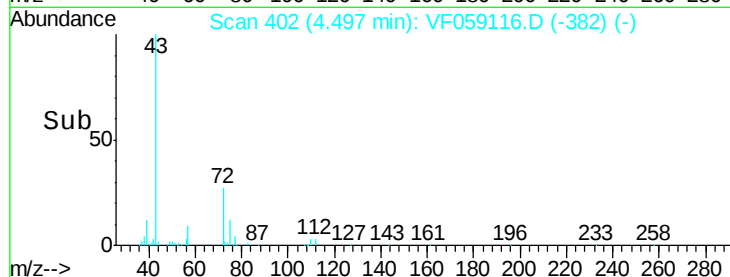
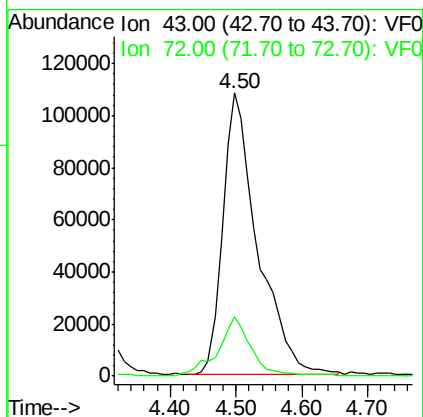
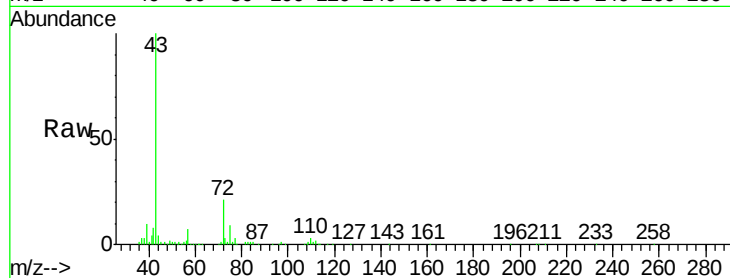
72 20.9 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 46.980 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059116.D

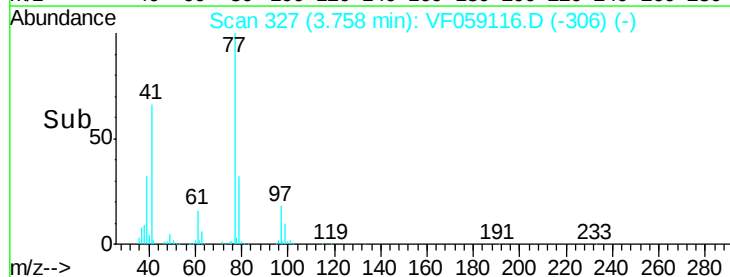
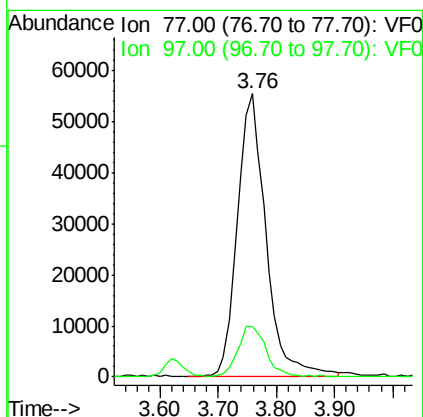
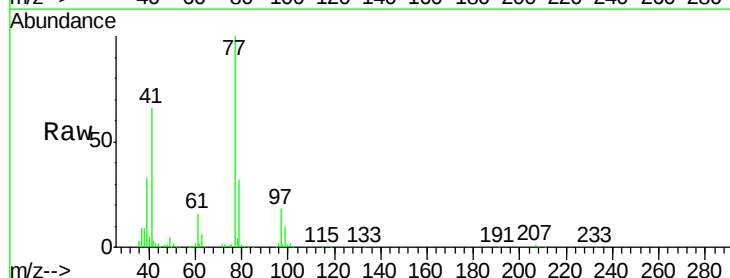
Acq: 6 Jun 2018 20:00

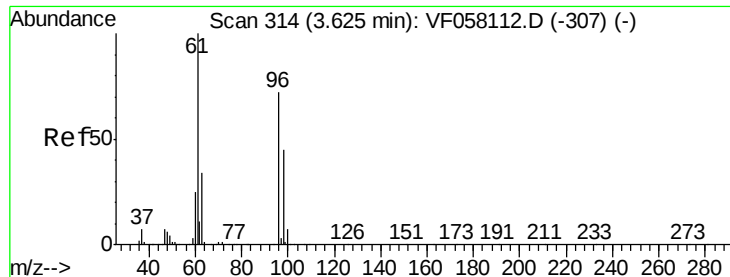
Tgt Ion: 77 Resp: 189926

Ion Ratio Lower Upper

77 100

97 17.6 7.2 21.6





#27

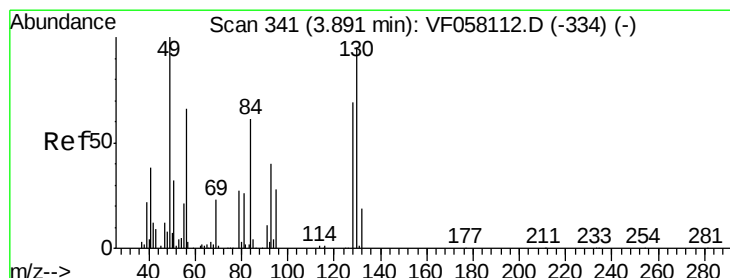
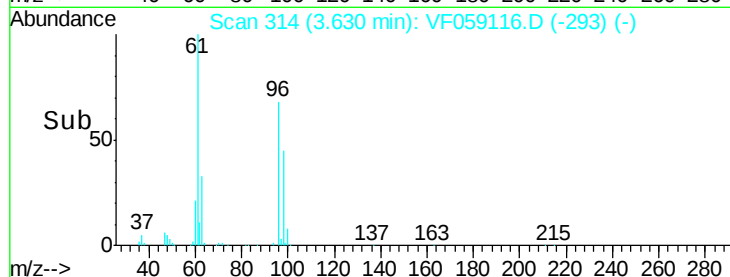
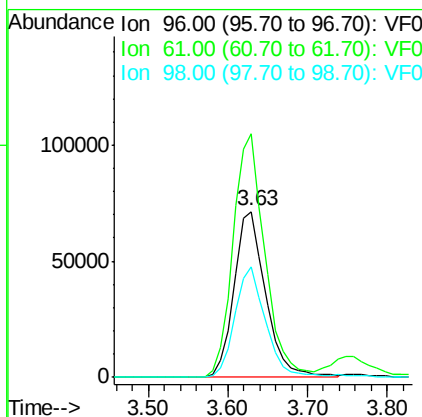
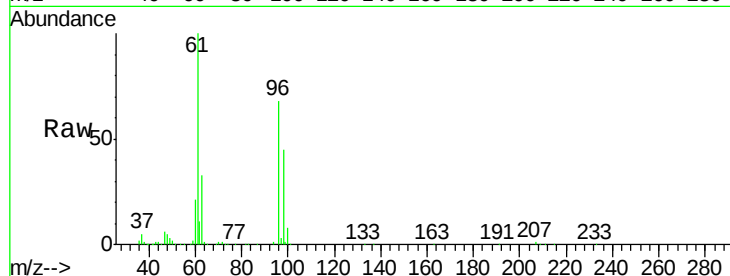
cis-1,2-Dichloroethene
Concen: 49.135 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	197577		
61	146.6	0.0	278.6	
98	66.4	0.0	125.2	

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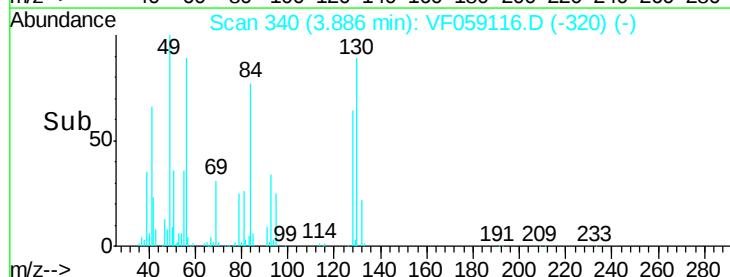
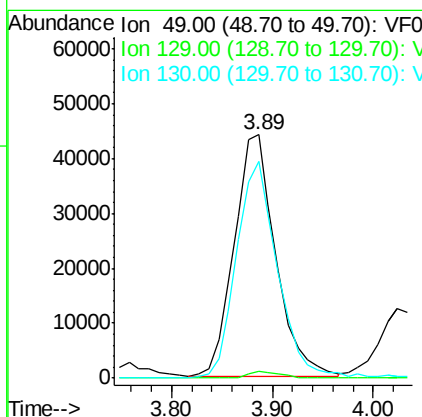
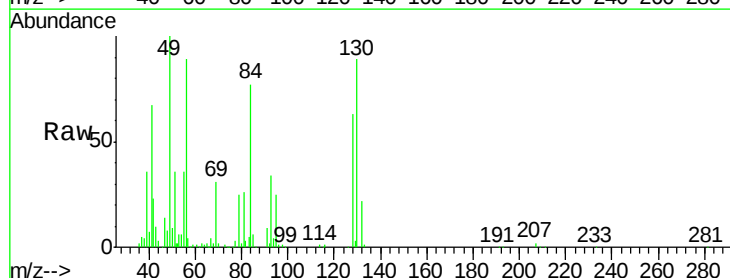
apatel
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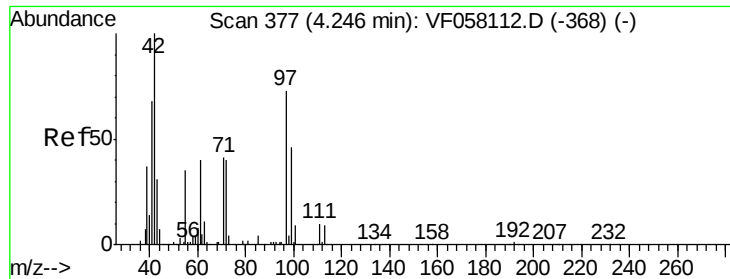


#28

Bromochloromethane
Concen: 50.658 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	127058		
129	2.7	0.0	0.0#	
130	89.0	75.8	113.8	





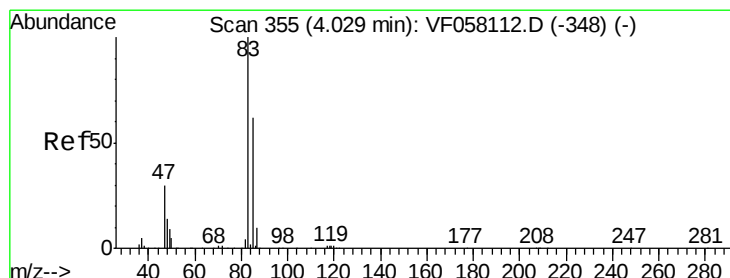
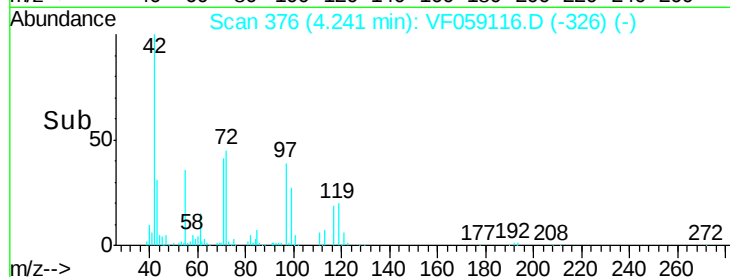
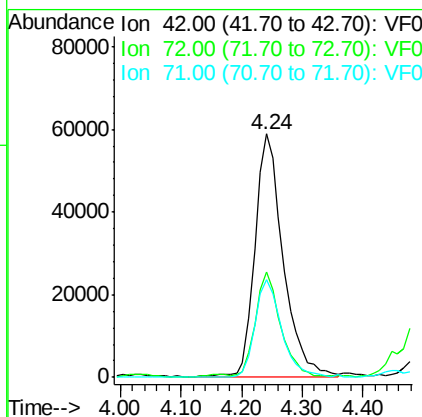
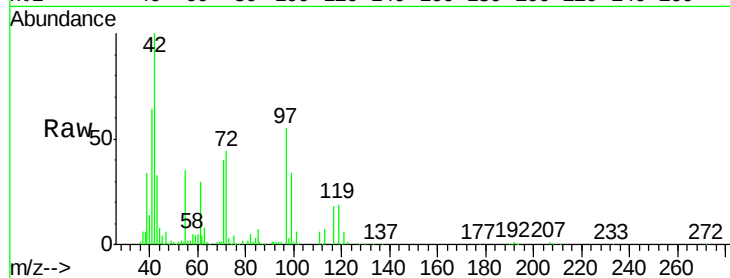
#29
Tetrahydrofuran
Concen: 264.440 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion:	42	Resp:	189123
Ion Ratio		Lower	Upper
42	100		
72	39.3	30.5	45.7
71	38.0	31.5	47.3

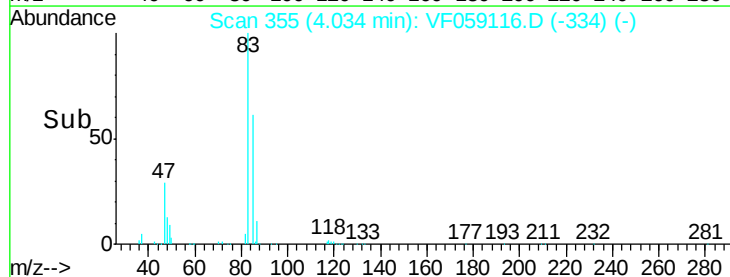
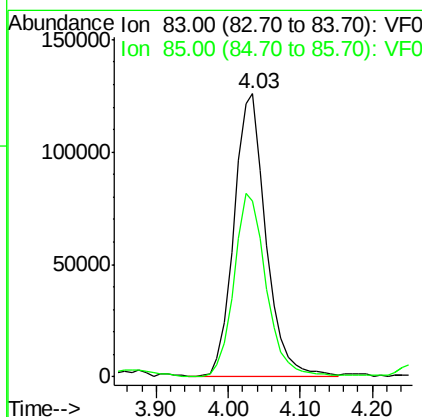
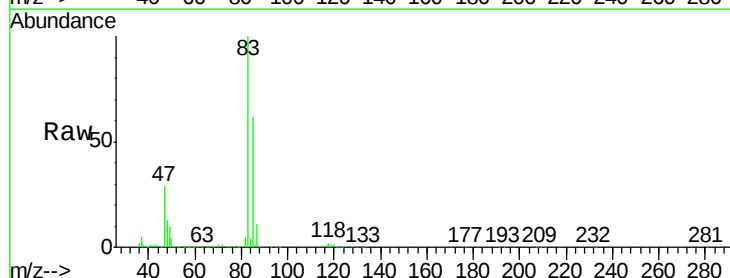
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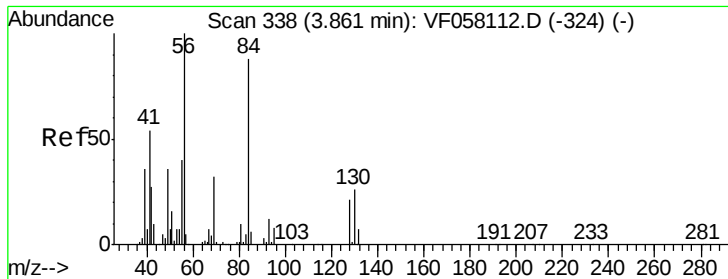
apatel
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#30
Chloroform
Concen: 48.956 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion:	83	Resp:	390258
Ion Ratio		Lower	Upper
83	100		
85	62.0	49.5	74.3





#31

Cyclohexane

Concen: 52.249 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

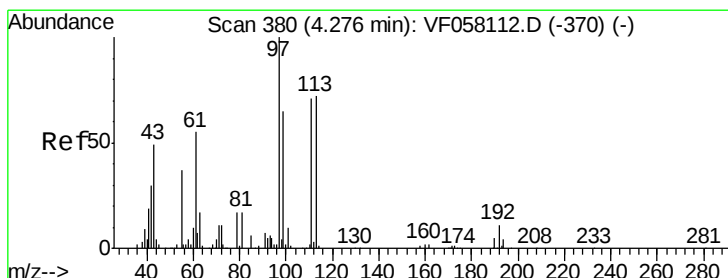
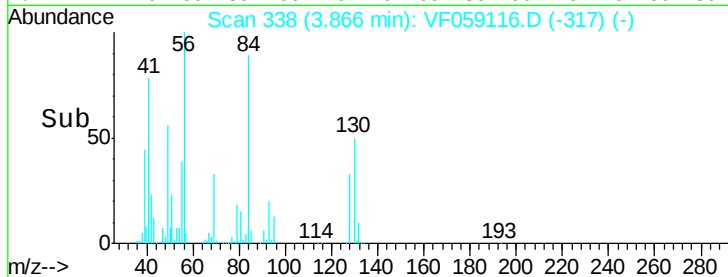
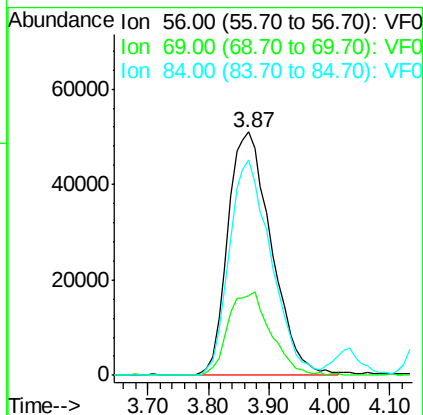
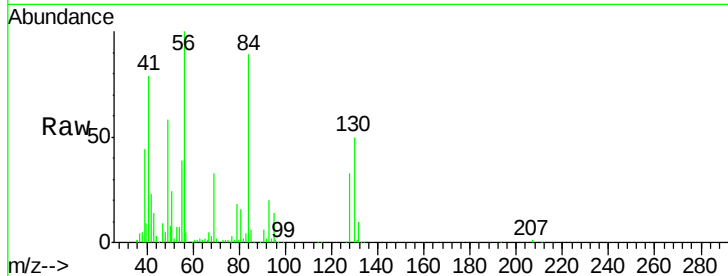
ClientSampleId :

VSTDICV050

Tgt Ion:	56	Resp:	254340
Ion Ratio		Lower	Upper
56	100		
69	33.0	25.9	38.9
84	88.6	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 48.943 ug/l

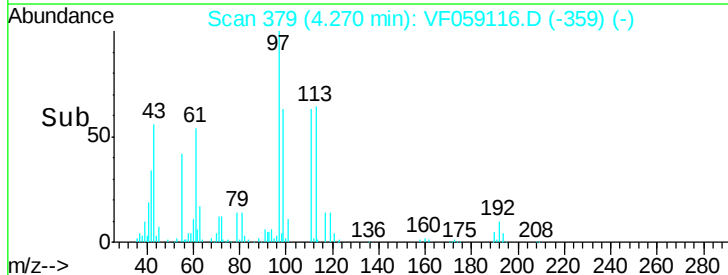
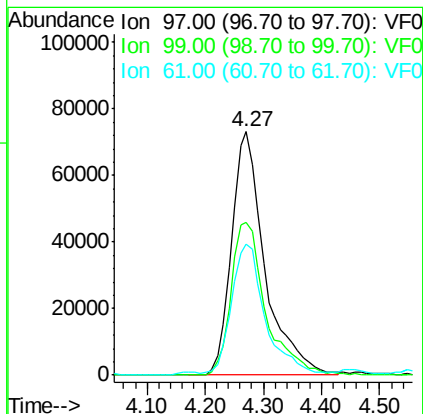
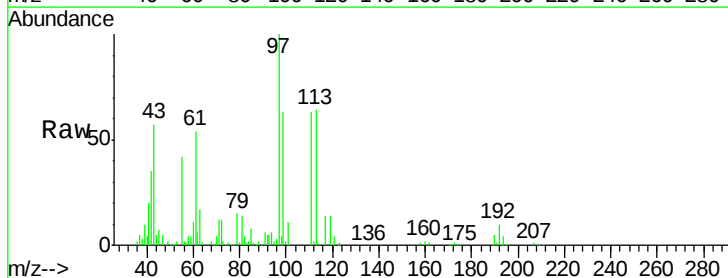
RT: 4.27 min Scan# 379

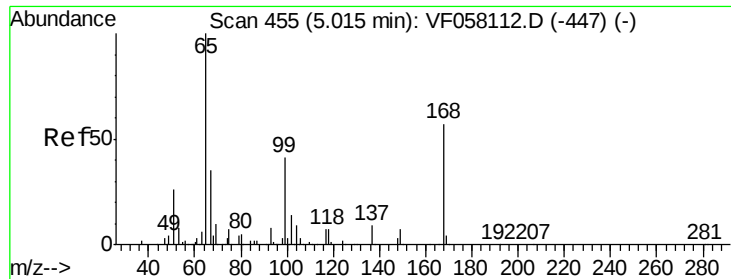
Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	97	Resp:	291269
Ion Ratio		Lower	Upper
97	100		
99	62.7	52.0	78.0
61	53.6	44.3	66.5





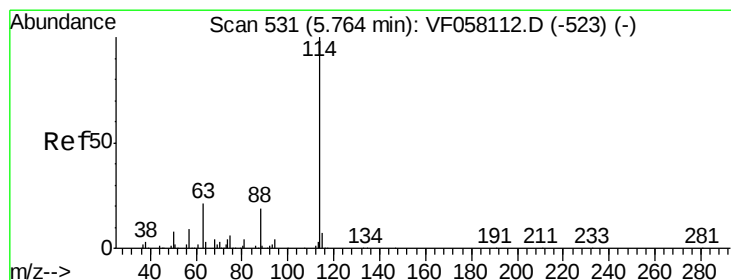
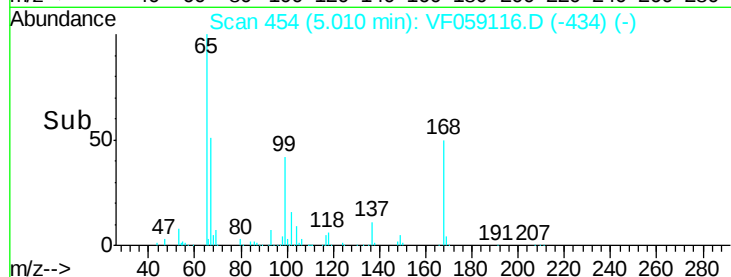
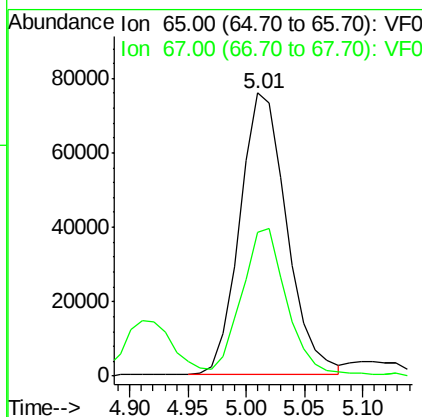
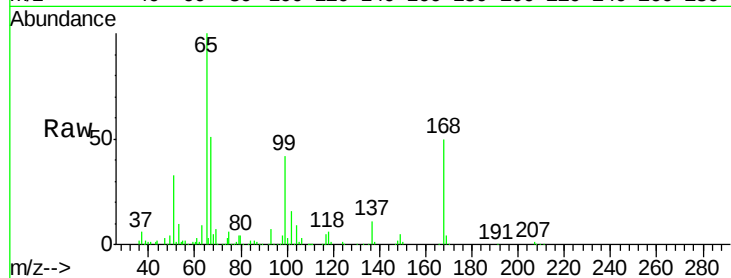
#33
 1,2-Dichloroethane-d4
 Concen: 48.387 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	212172		
67	51.0	0.0	97.0	

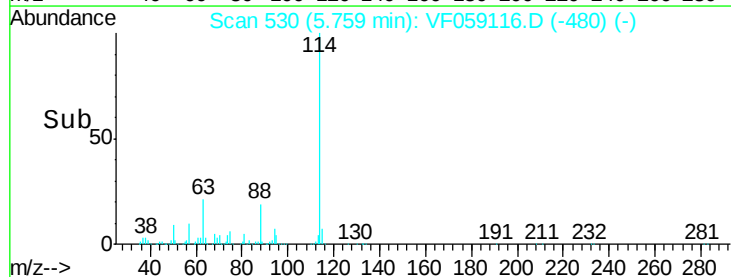
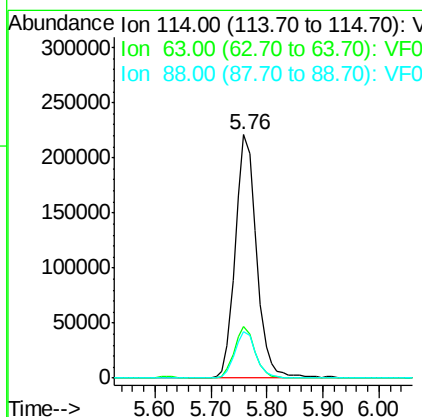
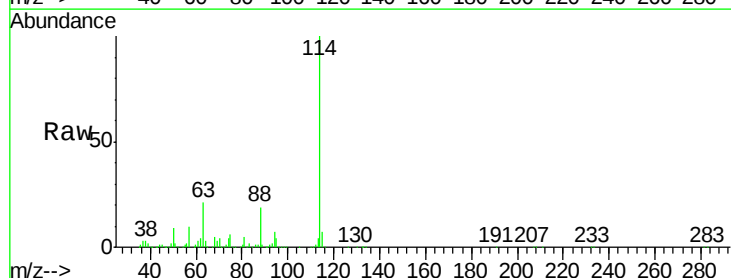
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	583717		
63	20.9	0.0	41.6	
88	19.0	0.0	38.8	





#35

Dibromofluoromethane

Concen: 50.390 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

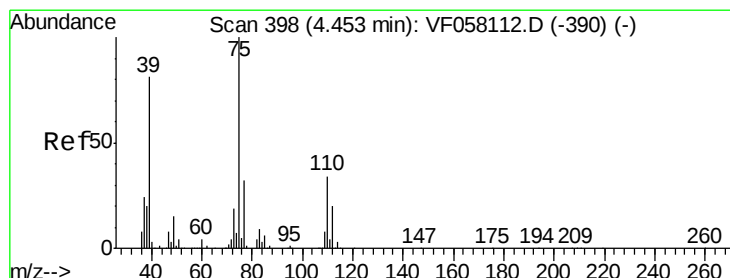
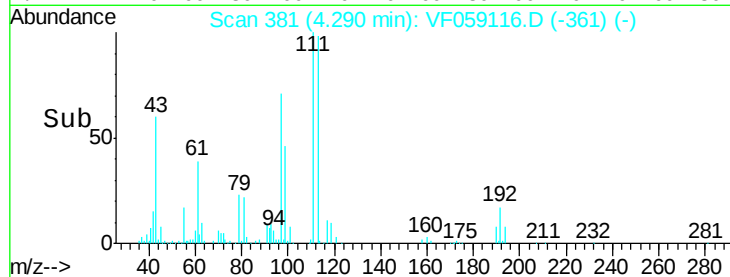
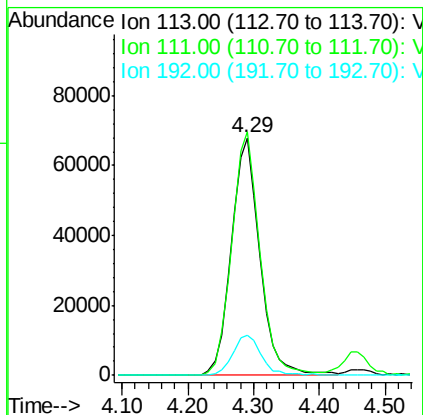
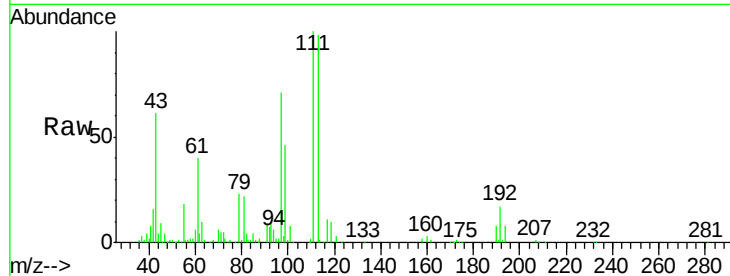
ClientSampleId :

VSTDICV050

Tgt Ion:	113	Resp:	206385
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.3	121.9
192	16.9	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 51.653 ug/l

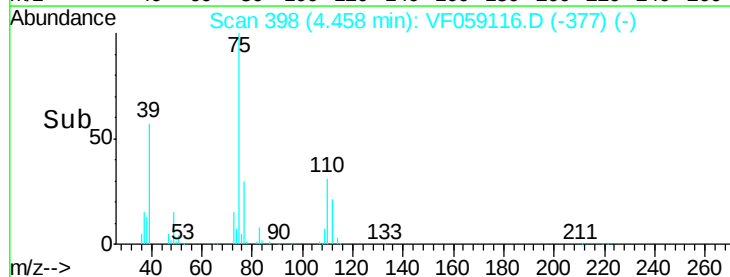
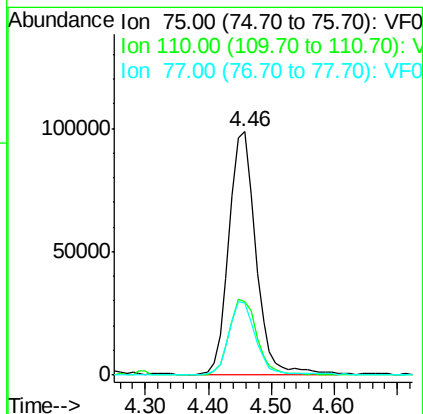
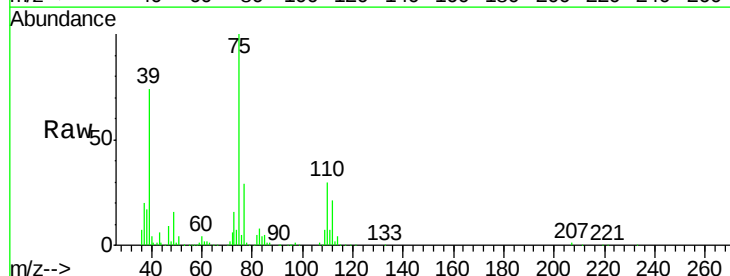
RT: 4.46 min Scan# 398

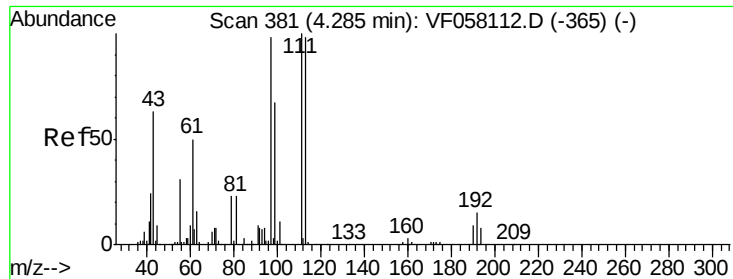
Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	75	Resp:	292250
Ion Ratio	Lower	Upper	
75	100		
110	30.2	17.0	50.9
77	29.4	25.3	37.9





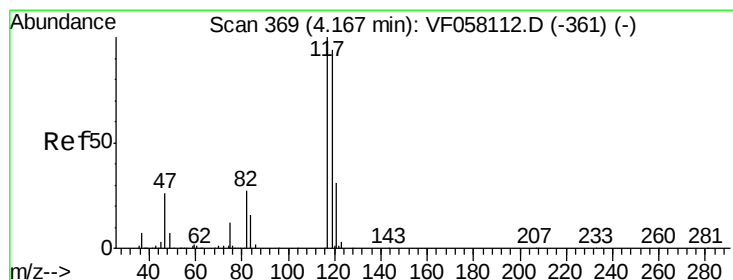
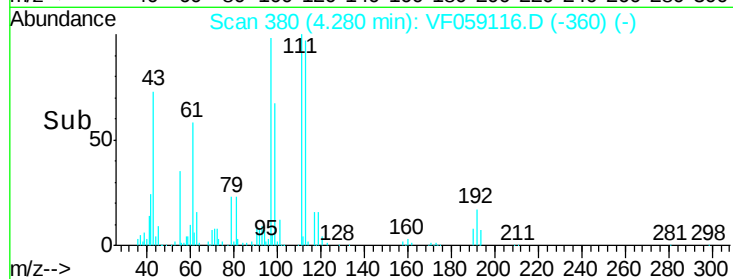
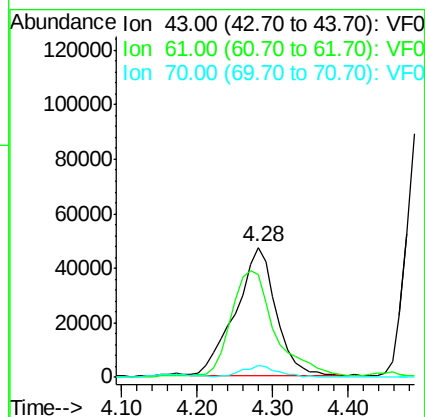
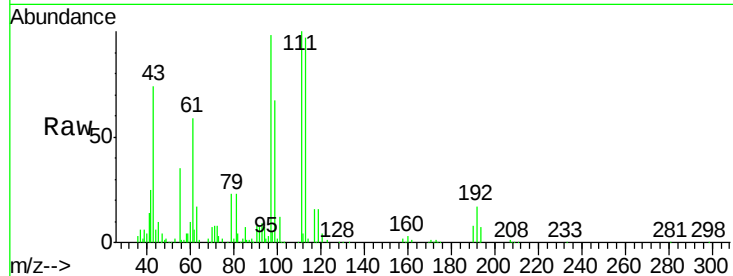
#37
Ethyl Acetate
Concen: 50.194 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	79.2	63.0	94.4
70	9.4	7.5	11.3

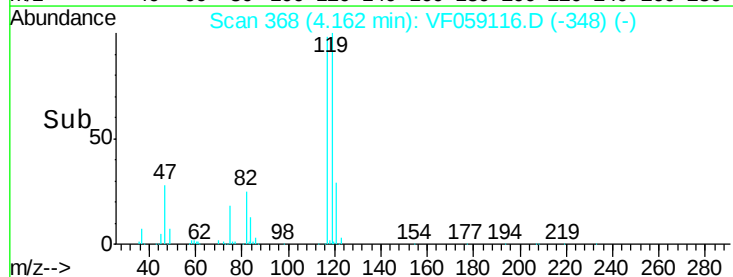
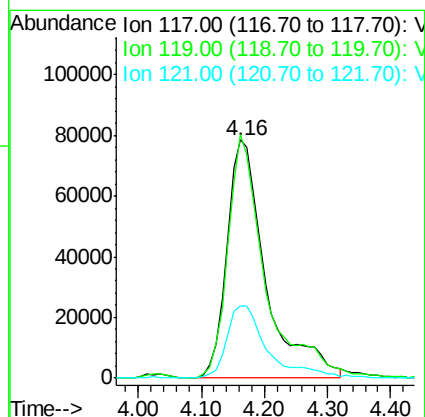
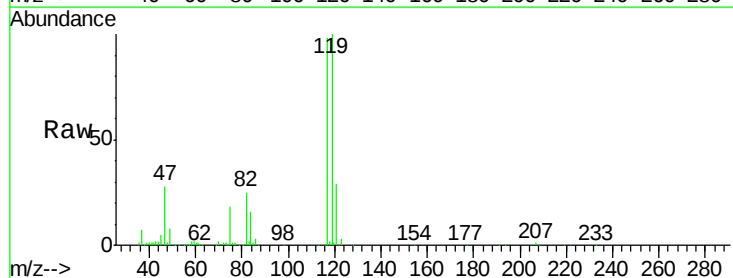
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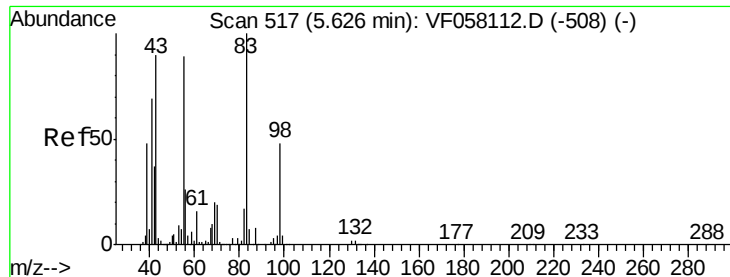
apatel
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#38
Carbon Tetrachloride
Concen: 54.673 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.3	75.7	113.5
121	30.1	24.8	37.2





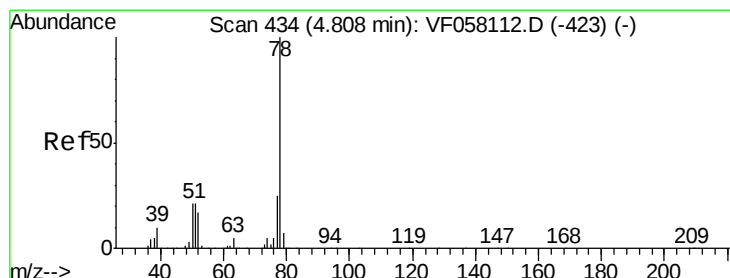
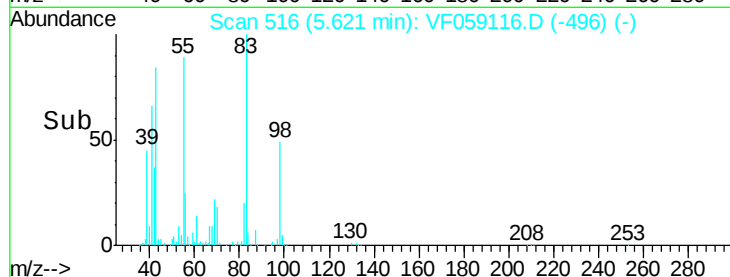
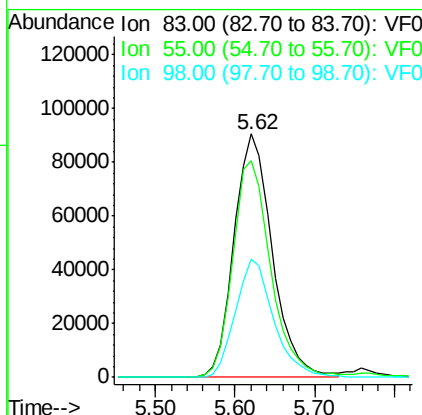
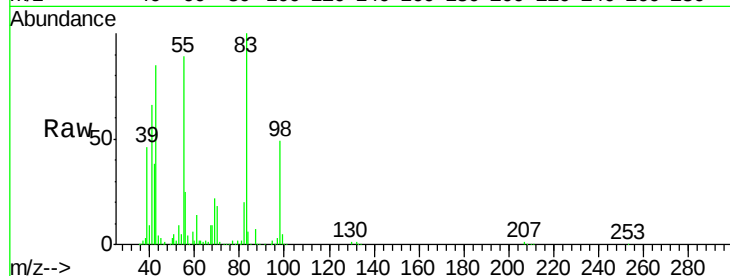
#39
Methylcyclohexane
Concen: 52.271 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.1	71.0	106.4
98	48.7	38.1	57.1

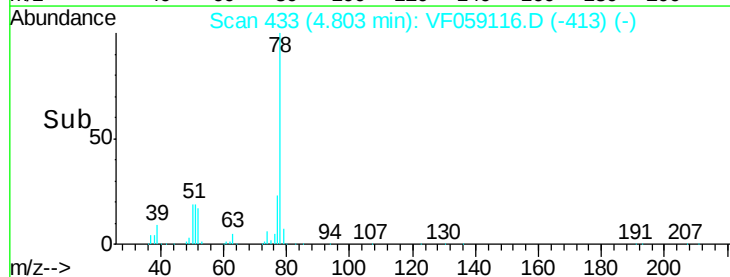
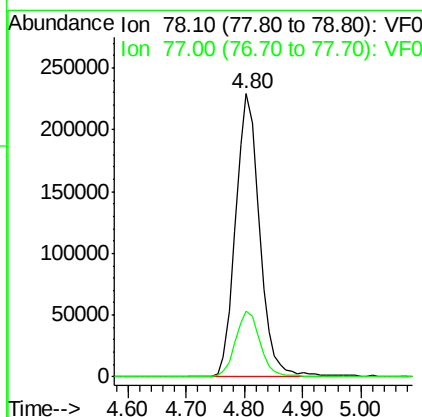
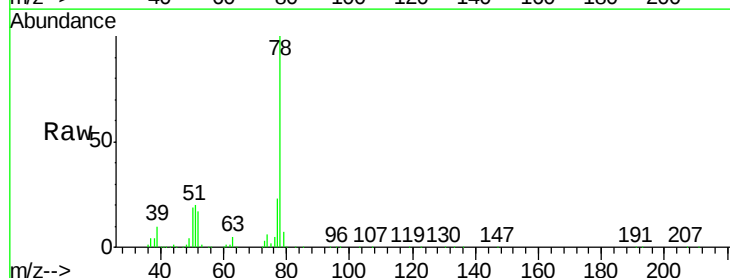
Manual Integrations
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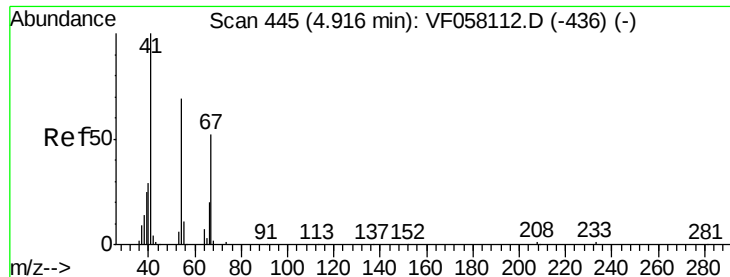
apatel
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#40
Benzene
Concen: 50.255 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.2	30.2





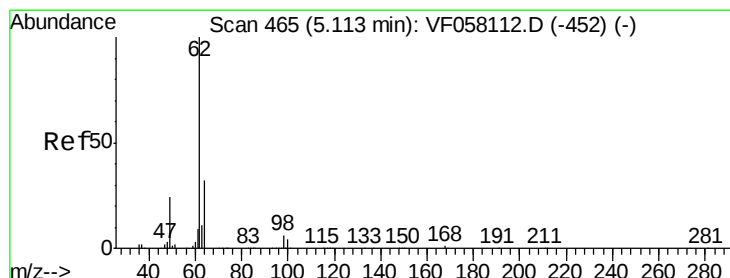
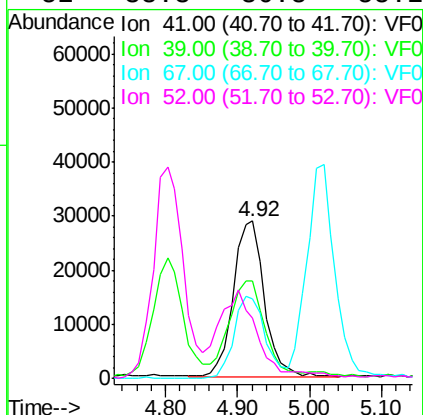
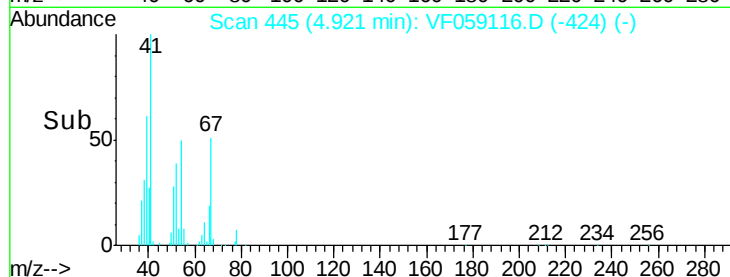
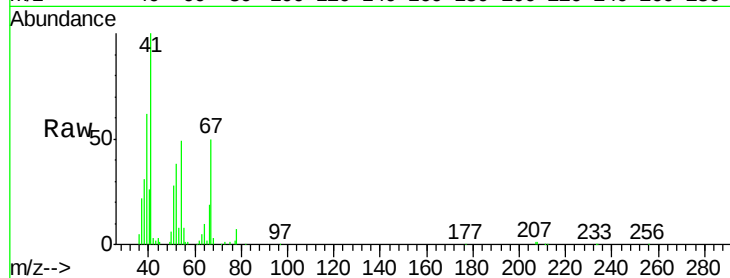
#41
Methacrylonitrile
Concen: 50.689 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.7	53.0	79.4
67	50.5	41.0	61.6
52	38.3	36.8	55.2

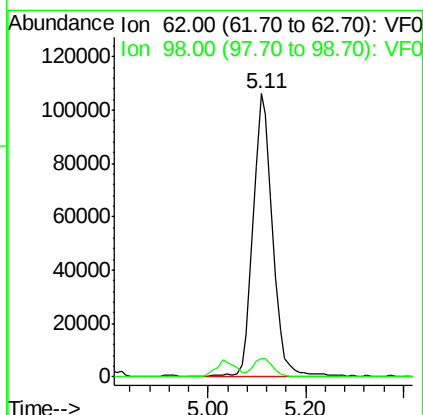
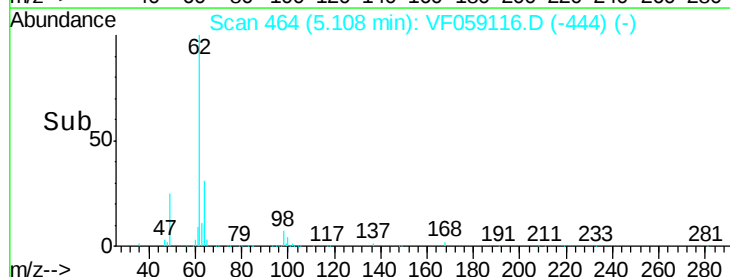
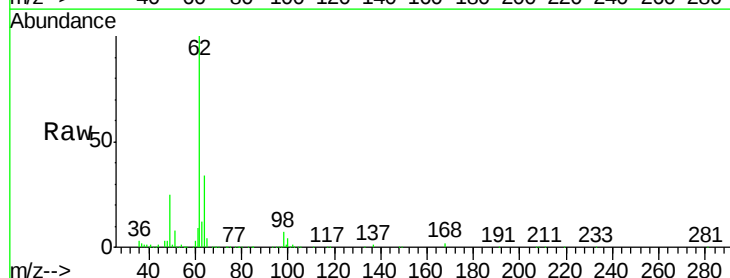
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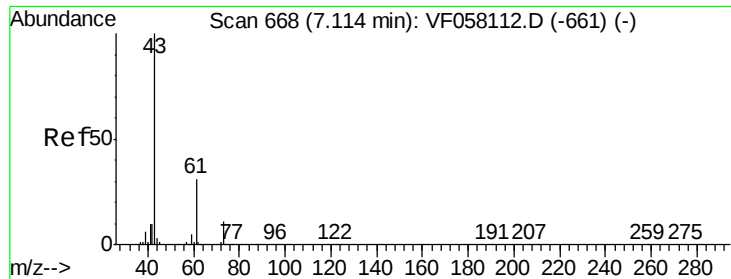
apatel
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#42
1,2-Dichloroethane
Concen: 50.411 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	11.8





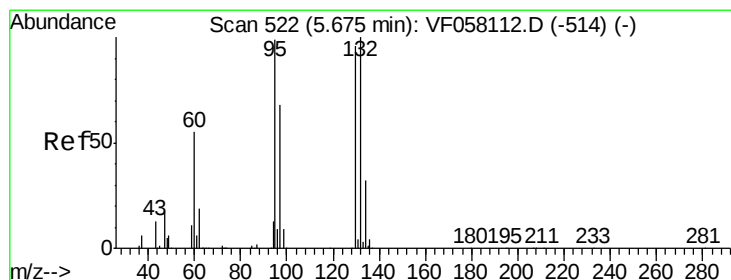
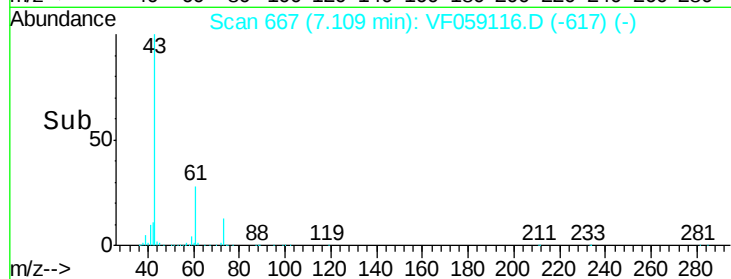
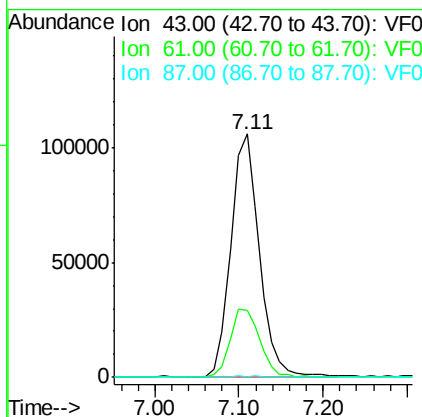
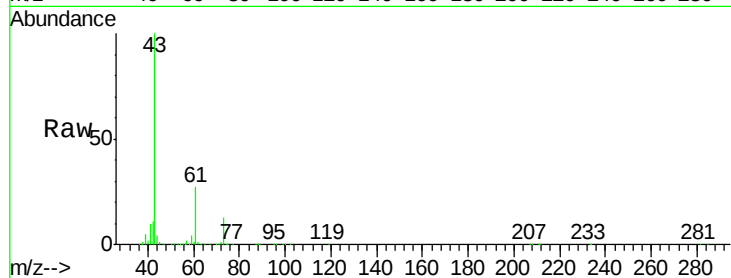
#43
Isopropyl Acetate
Concen: 53.148 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.5	25.1	37.7
87	0.4	0.2	0.4#

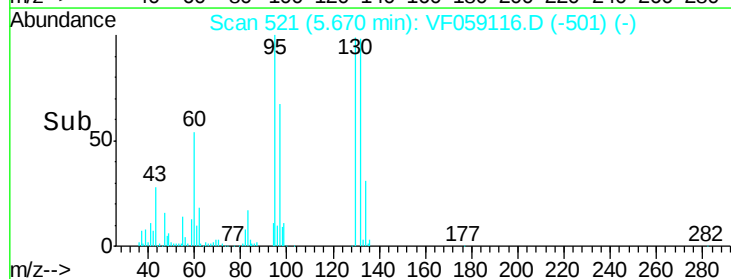
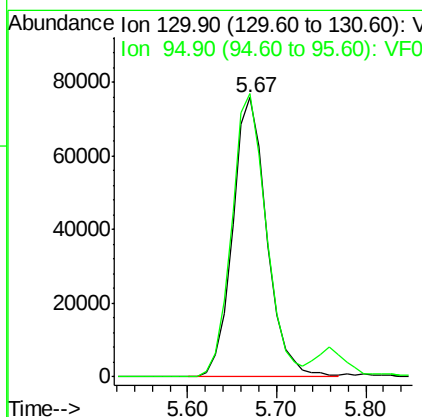
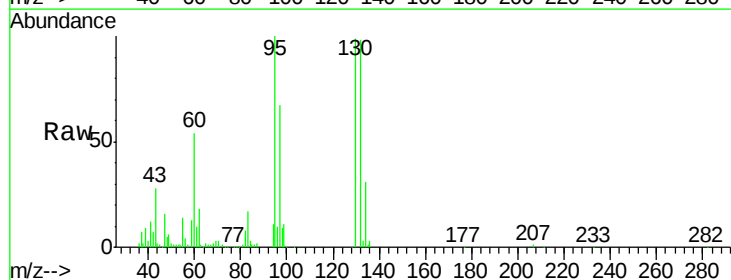
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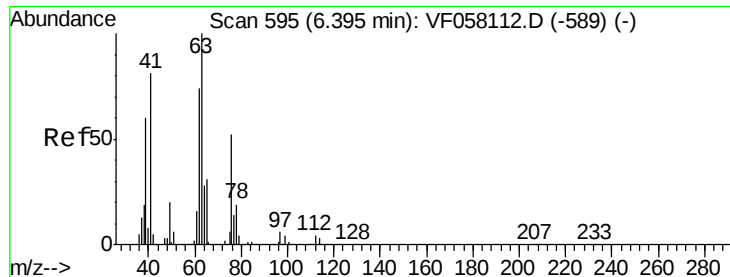
apatel
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#44
Trichloroethene
Concen: 49.440 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	206.8





#45

1,2-Dichloropropane

Concen: 50.093 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 63 Resp: 189684

Ion Ratio Lower Upper

63 100

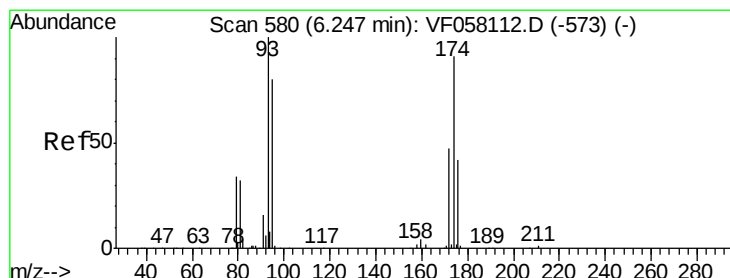
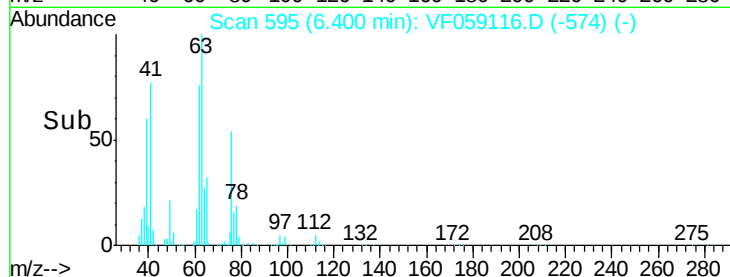
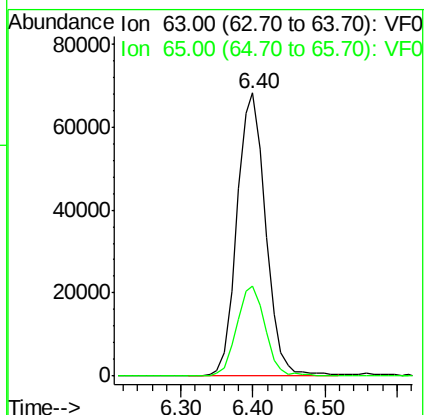
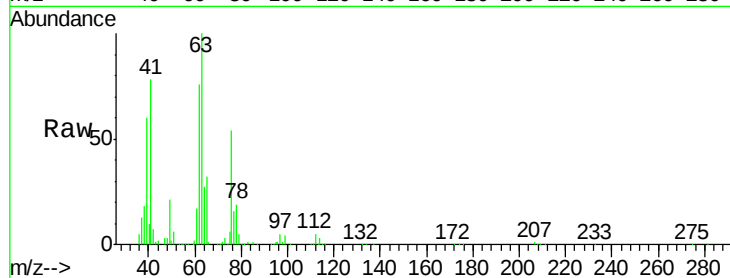
65 31.7 24.6 37.0

Manual Integrations

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6/7/2018 12:39:34 PM



#46

Dibromomethane

Concen: 49.424 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

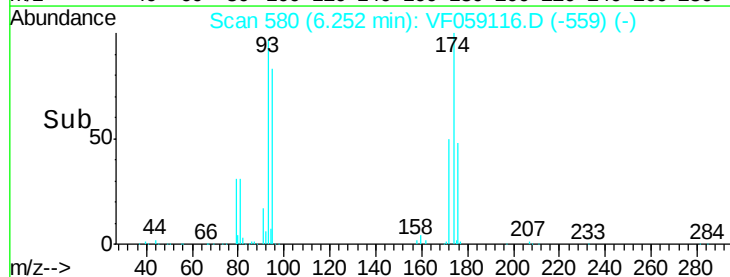
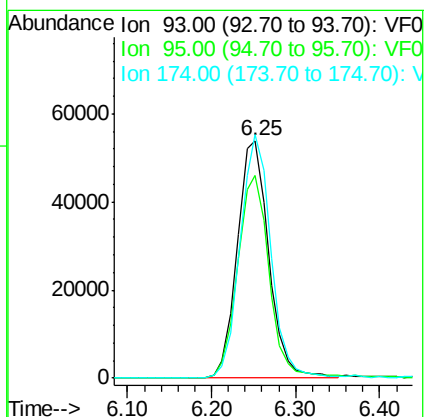
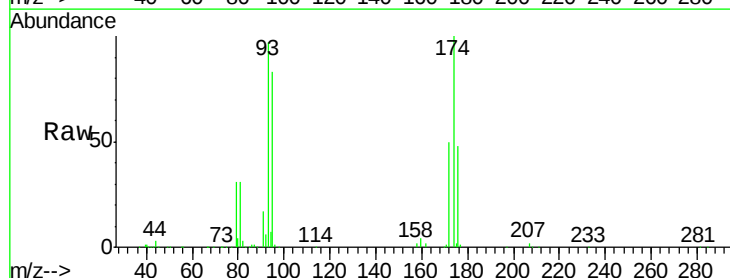
Tgt Ion: 93 Resp: 140809

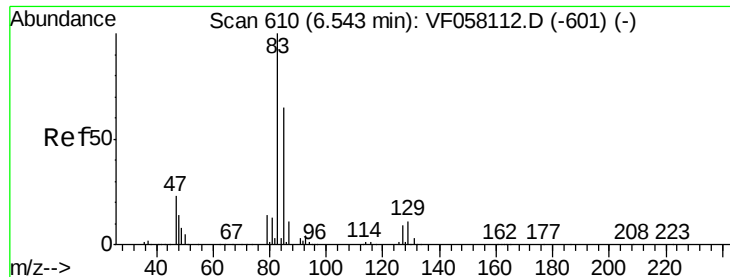
Ion Ratio Lower Upper

93 100

95 85.5 64.2 96.4

174 102.6 72.7 109.1





#47

Bromodichloromethane

Concen: 49.993 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

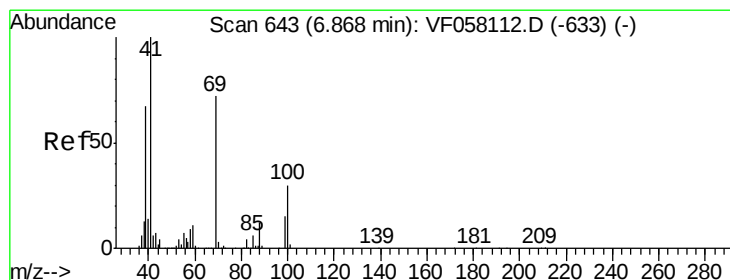
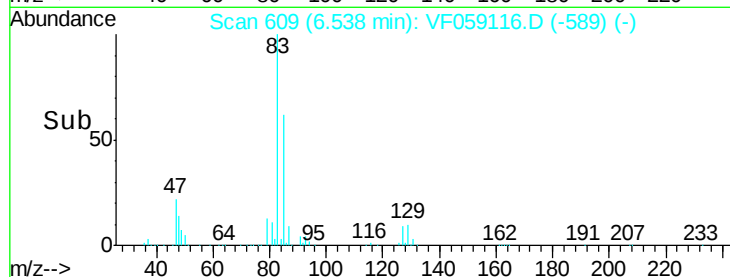
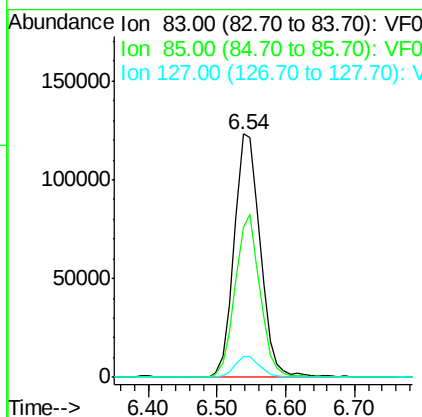
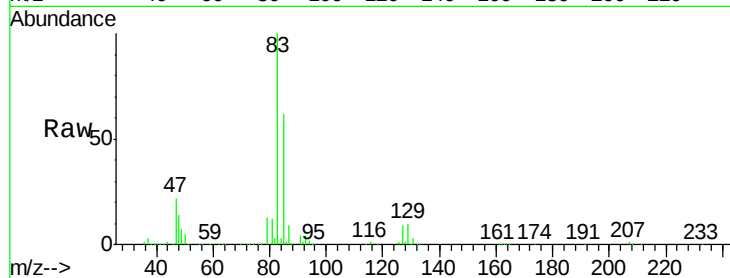
ClientSampleId :

VSTDICV050

Tgt Ion:	83	Resp:	324021
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.6	77.4
127	8.8	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.400 ug/l

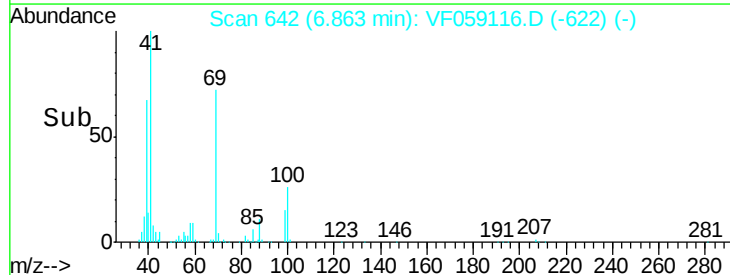
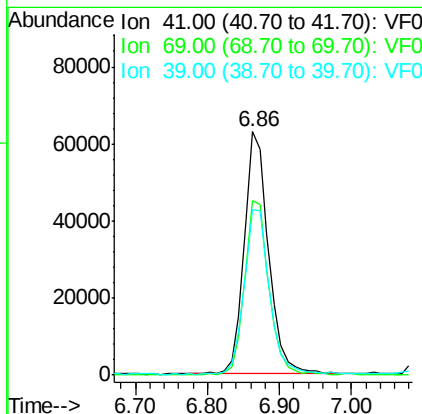
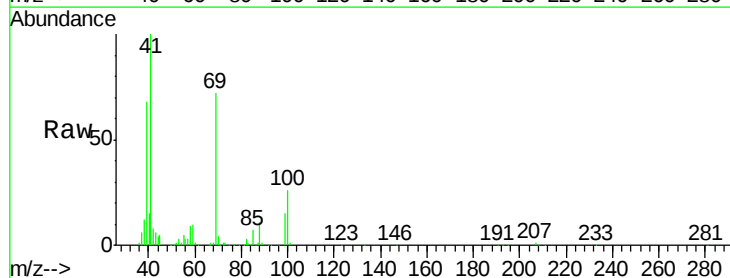
RT: 6.86 min Scan# 642

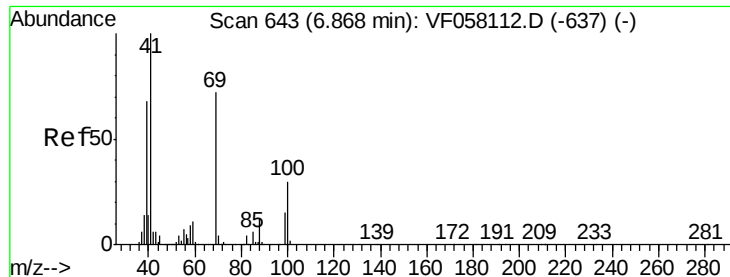
Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	41	Resp:	148355
Ion Ratio	Lower	Upper	
41	100		
69	71.9	57.2	85.8
39	67.7	54.3	81.5





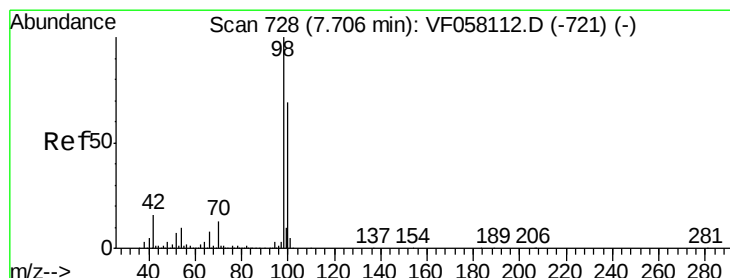
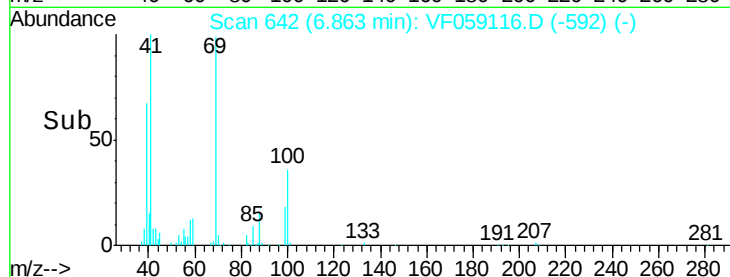
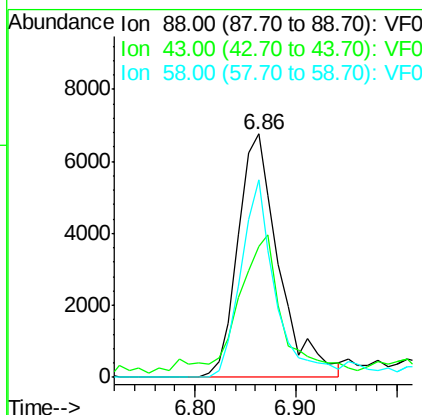
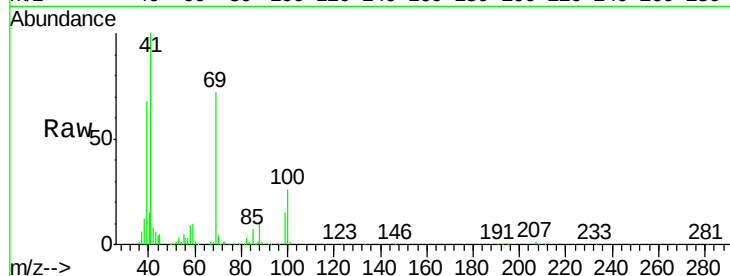
#49
1,4-Dioxane
Concen: 906.313 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	53.9	47.8	71.8
58	81.1	59.4	89.0

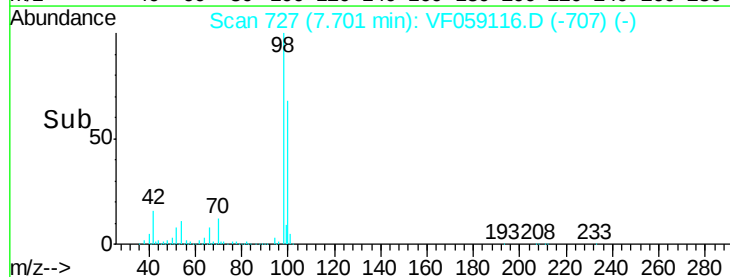
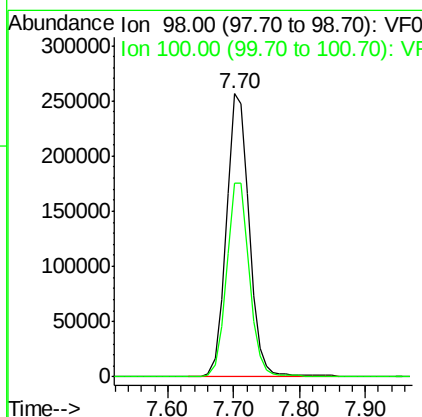
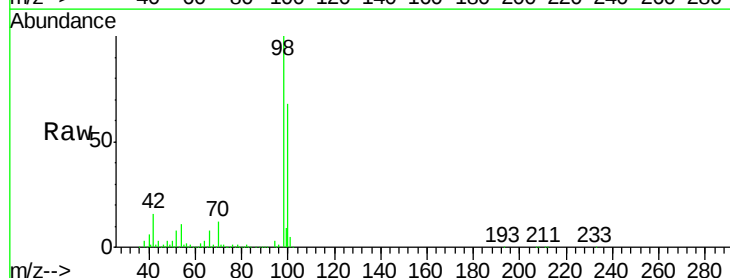
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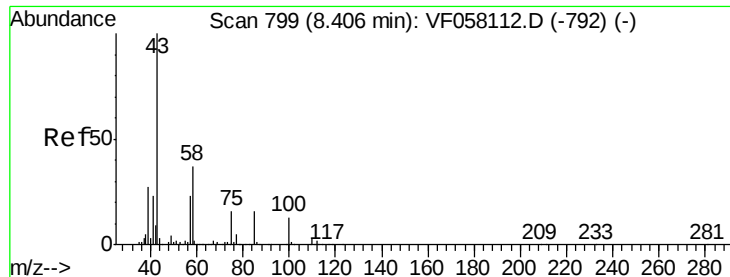
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#50
Toluene-d8
Concen: 51.856 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.4	55.6	83.4





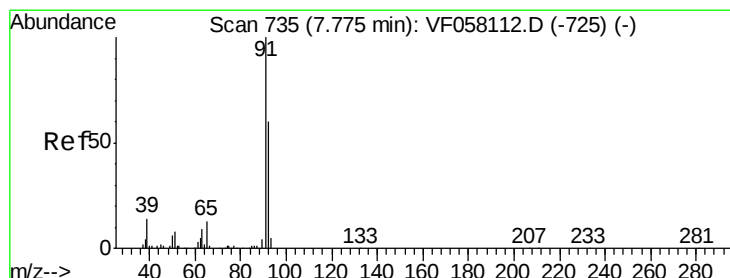
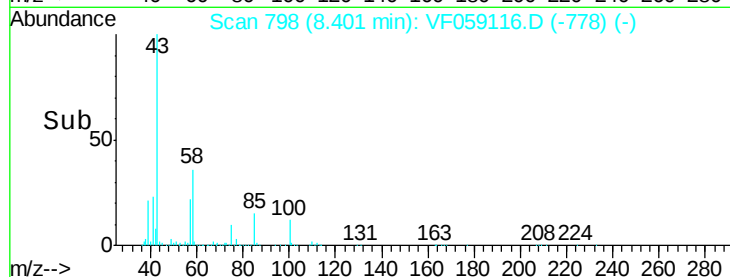
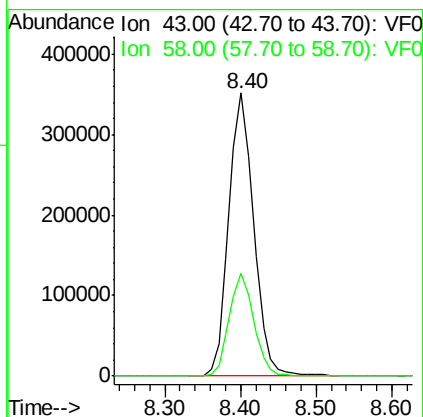
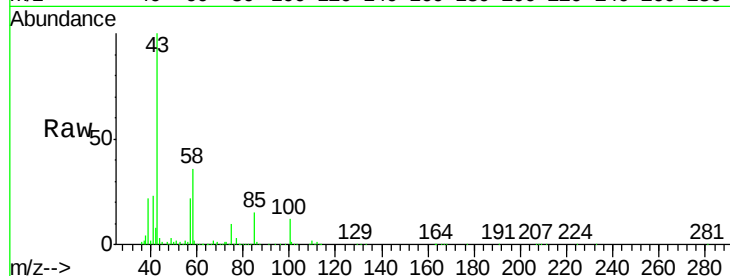
#51
 4-Methyl-2-Pentanone
 Concen: 250.312 ug/l
 RT: 8.40 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion: 43 Resp: 803252
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.4 44.0

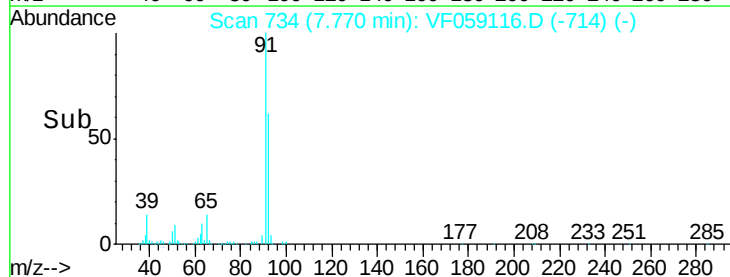
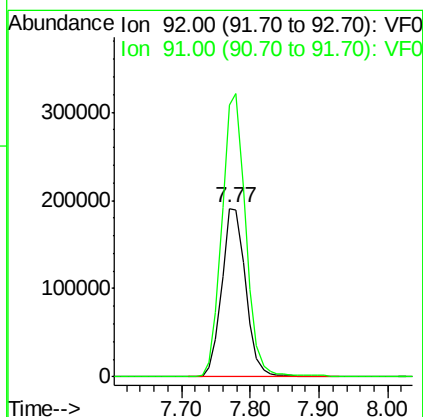
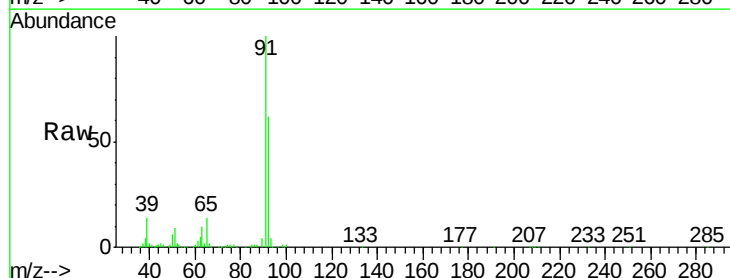
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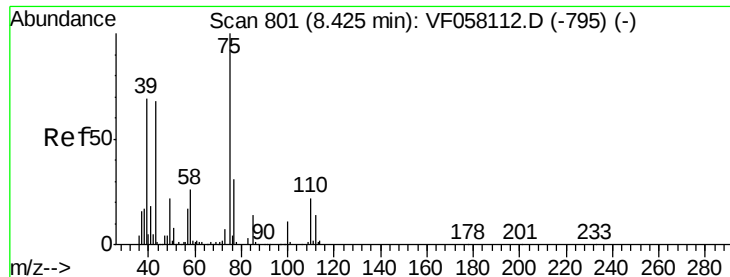
apatel
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#52
 Toluene
 Concen: 48.778 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion: 92 Resp: 461397
 Ion Ratio Lower Upper
 92 100
 91 161.1 132.9 199.3





#53

t-1,3-Dichloropropene

Concen: 47.282 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 75 Resp: 296781

Ion Ratio Lower Upper

75 100

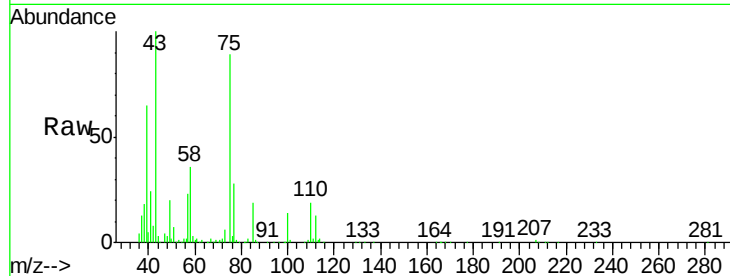
77 31.1 25.1 37.7

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

150000

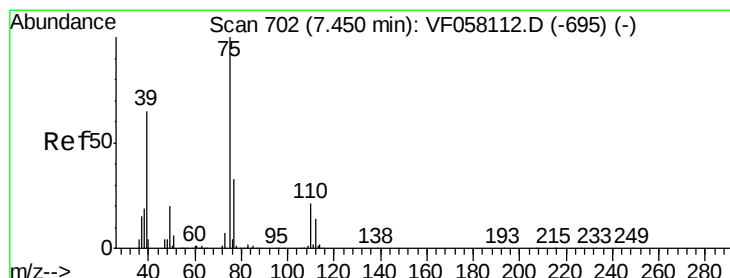
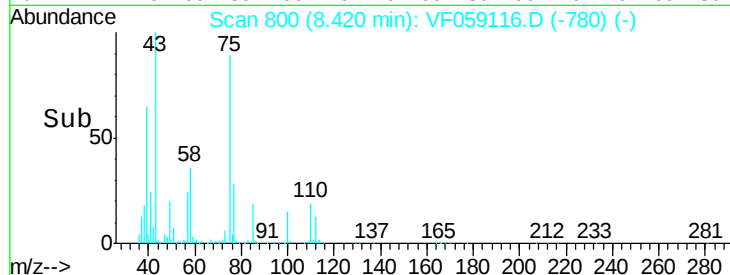
100000

50000

0

8.20 8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.661 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

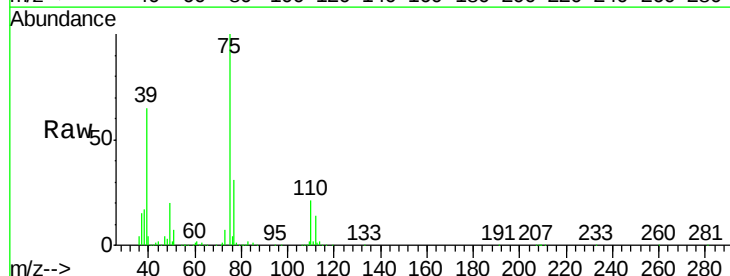
Tgt Ion: 75 Resp: 365290

Ion Ratio Lower Upper

75 100

77 30.6 26.3 39.5

39 65.4 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200000

150000

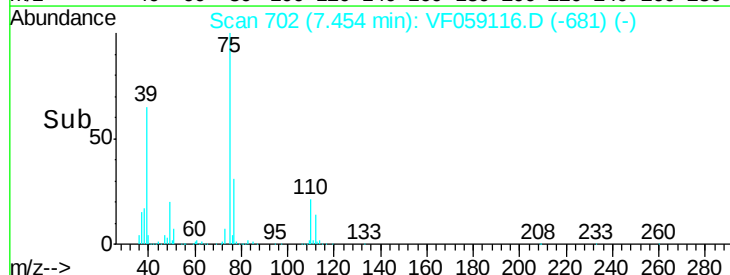
100000

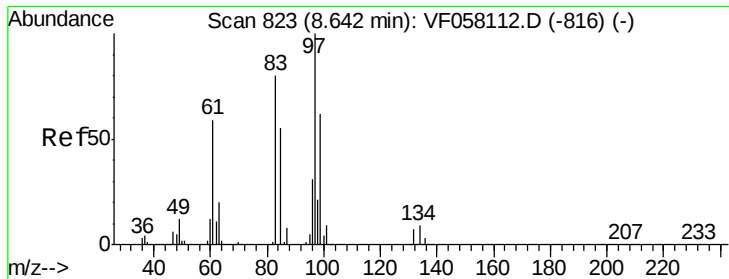
50000

0

7.30 7.40 7.50 7.60

Time-->





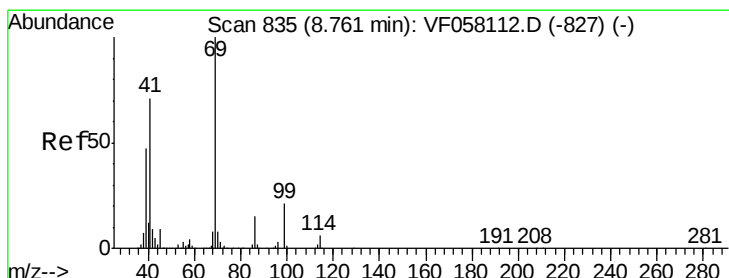
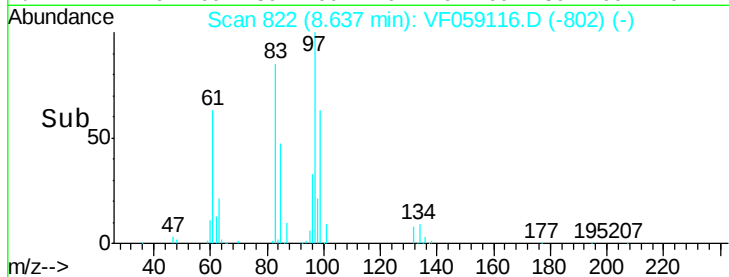
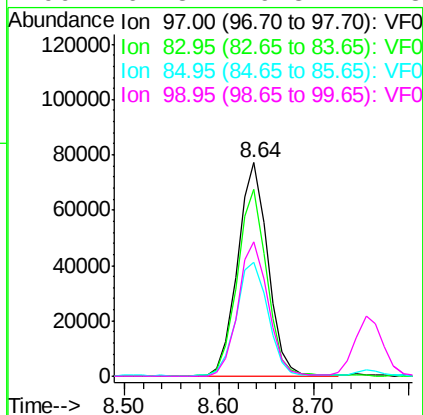
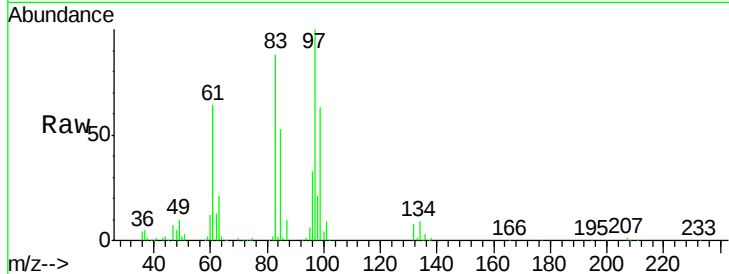
#55
 1,1,2-Trichloroethane
 Concen: 50.173 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171981		
83	87.7	64.3	96.5		
85	53.2	43.8	65.8		
99	62.8	49.8	74.8		

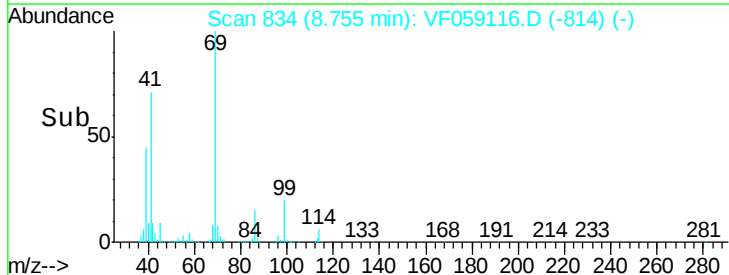
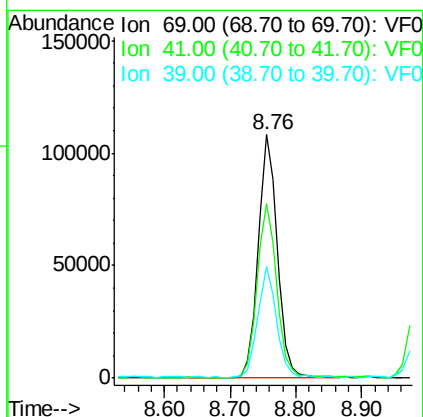
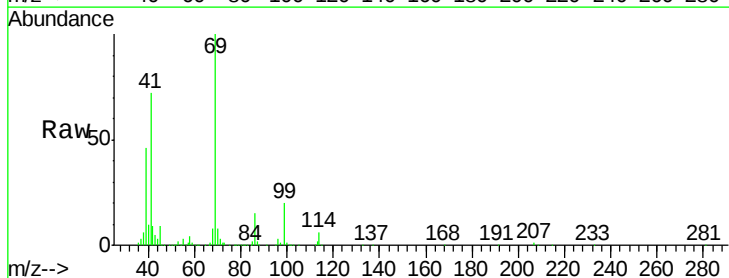
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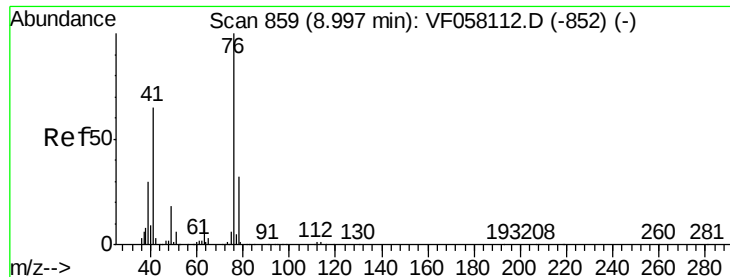
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#56
 Ethyl methacrylate
 Concen: 51.365 ug/l
 RT: 8.76 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		221927		
41	71.9	56.9	85.3		
39	46.0	38.0	57.0		





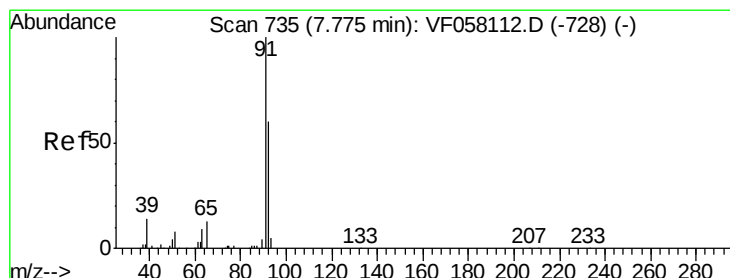
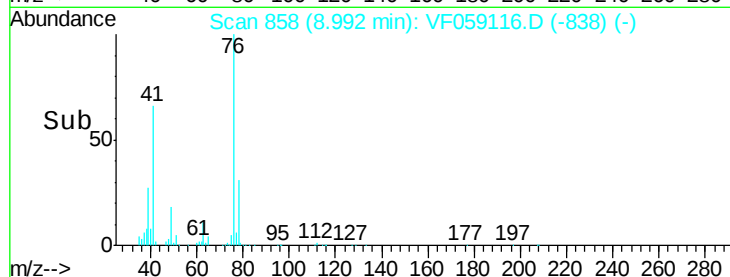
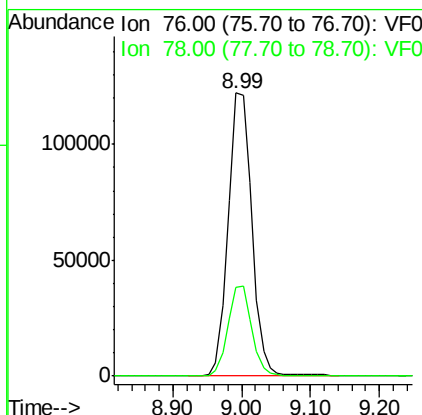
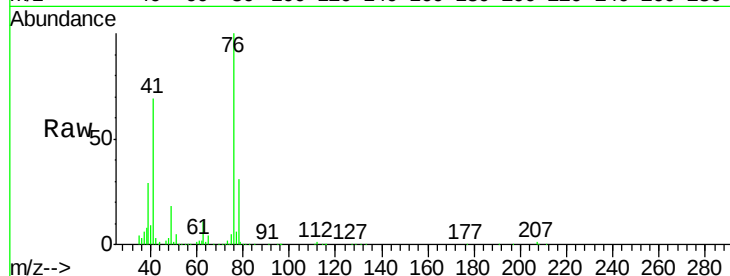
#57
 1,3-Dichloropropane
 Concen: 49.952 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6

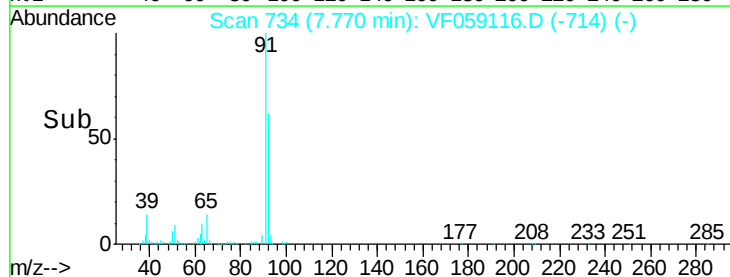
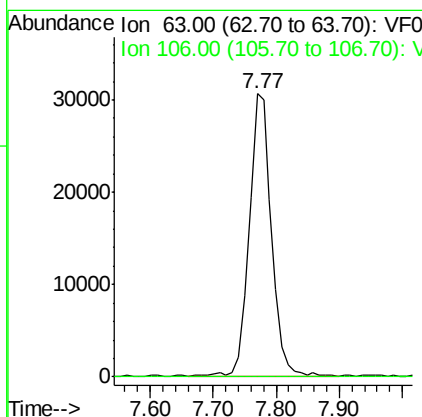
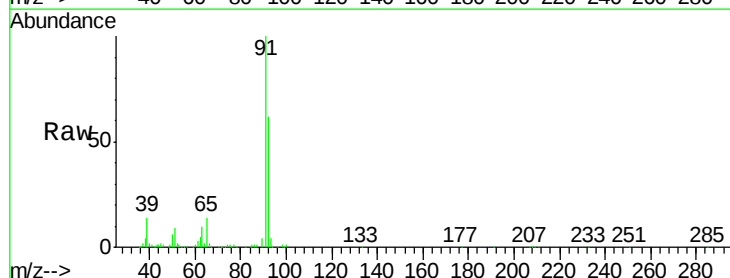
Manual Integrations
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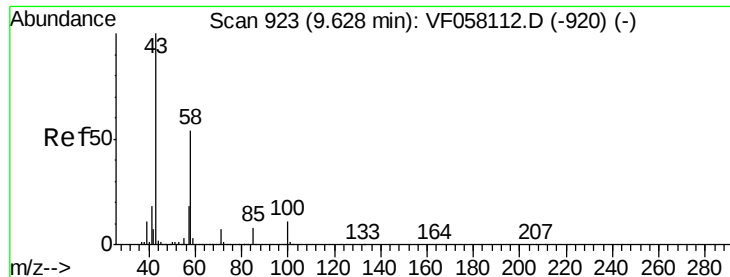
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.813 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





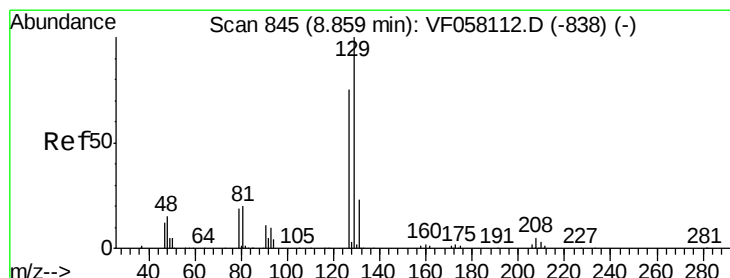
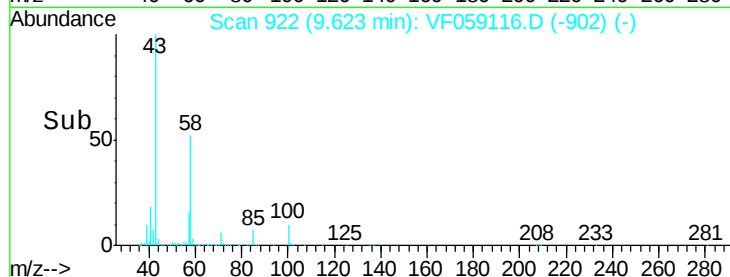
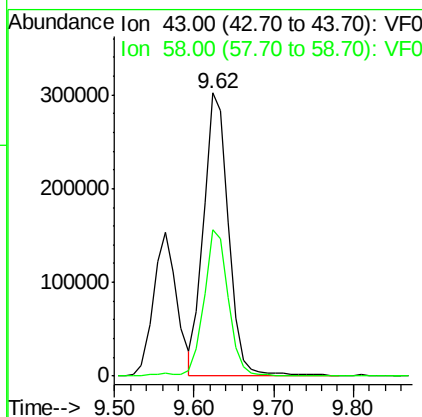
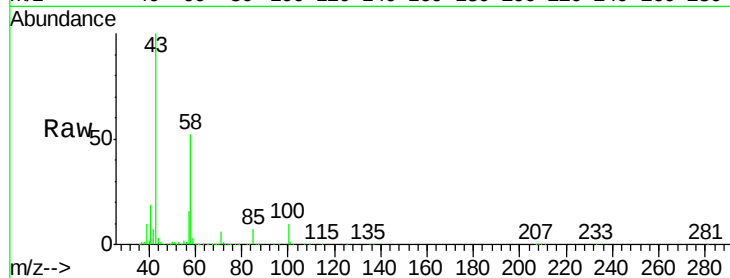
#59
2-Hexanone
Concen: 256.115 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion: 43 Resp: 650098
Ion Ratio Lower Upper
43 100
58 51.7 26.3 78.8

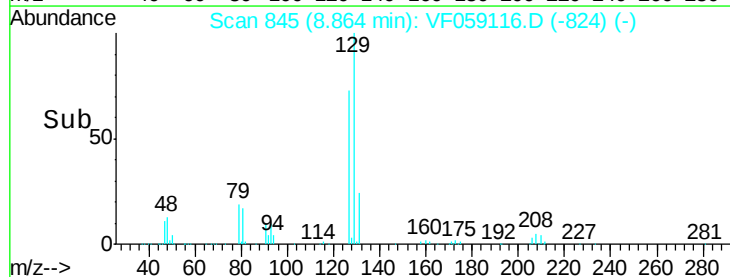
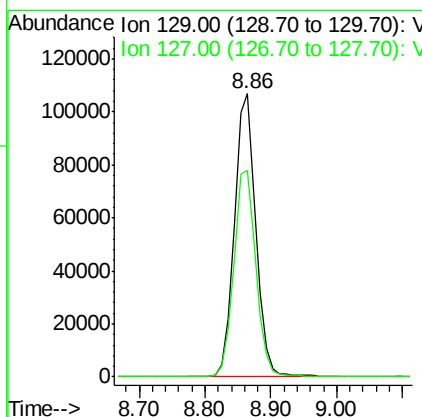
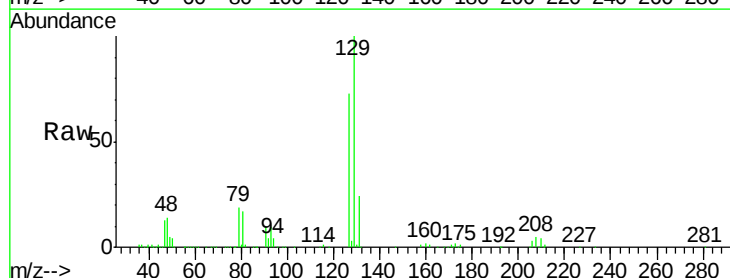
Manual Integrations
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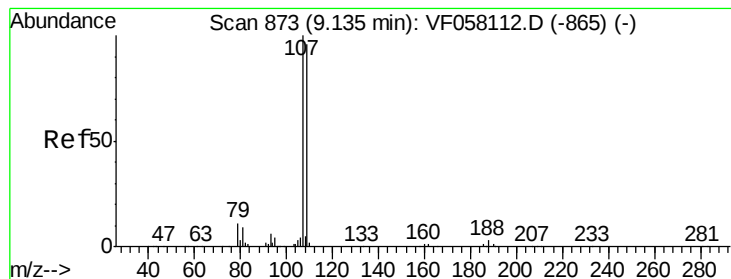
apatel
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#60
Dibromochloromethane
Concen: 49.559 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion: 129 Resp: 244108
Ion Ratio Lower Upper
129 100
127 73.0 37.6 112.9





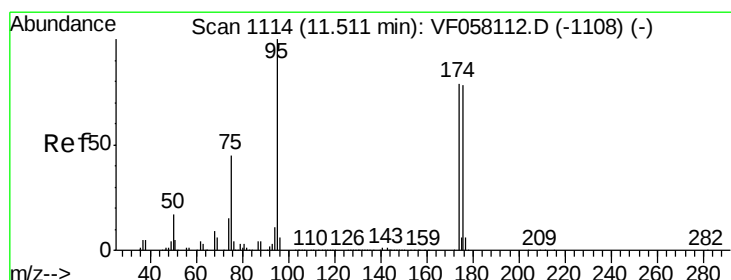
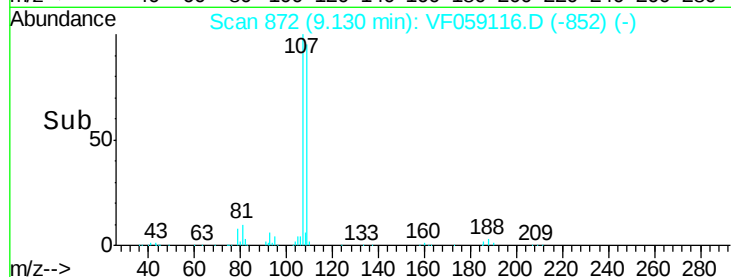
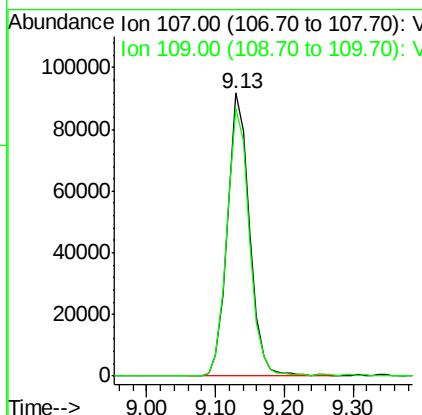
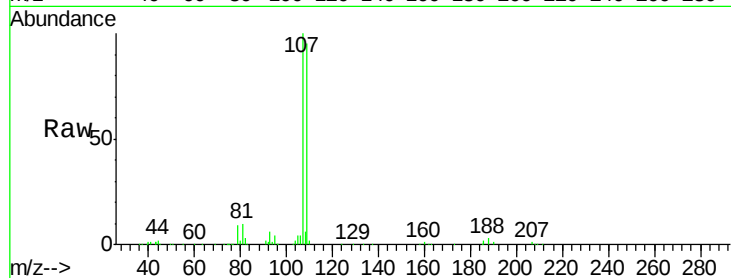
#61
 1,2-Dibromoethane
 Concen: 51.339 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.6	115.0

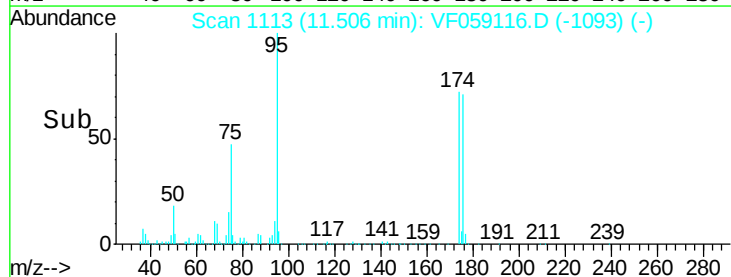
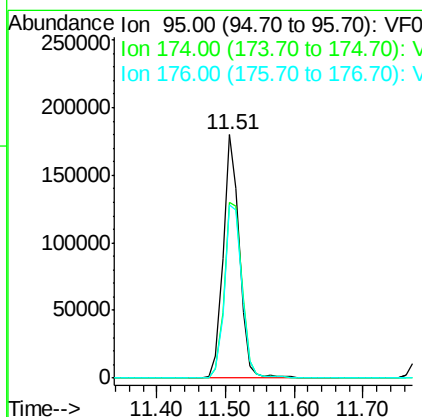
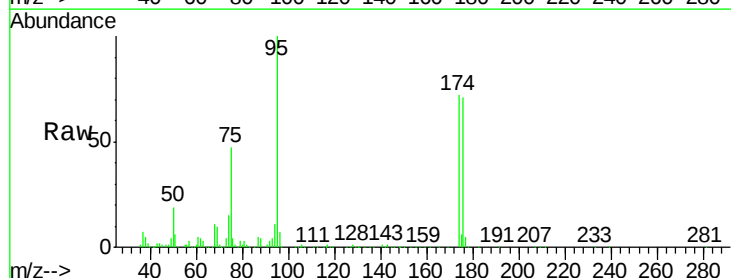
Manual Integrations
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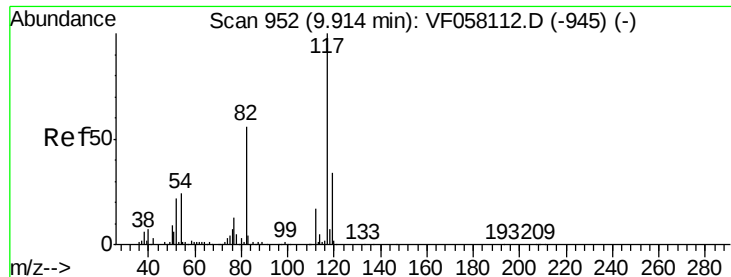
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.778 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	157.8
176	71.3	0.0	155.8





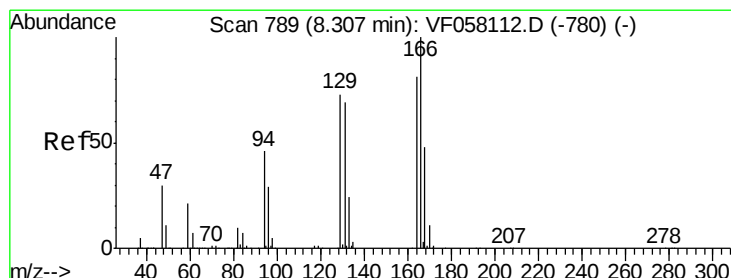
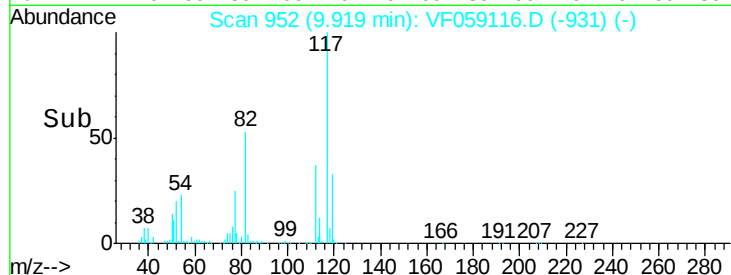
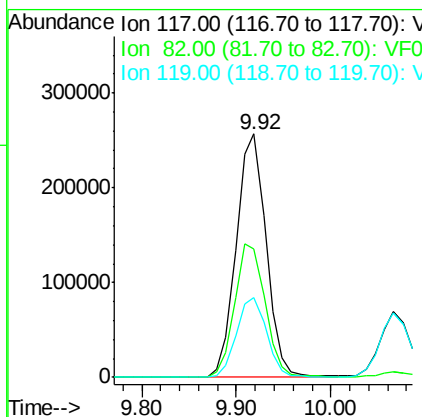
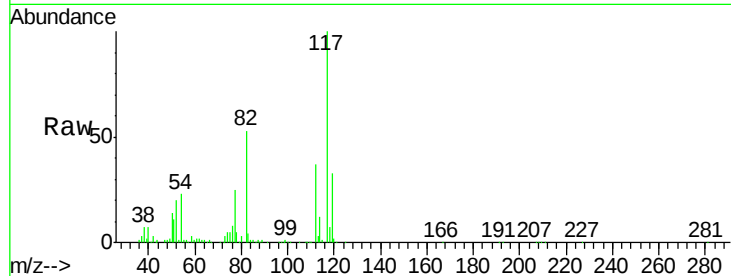
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	564490		
82	53.0	45.2	67.8	
119	32.7	27.5	41.3	

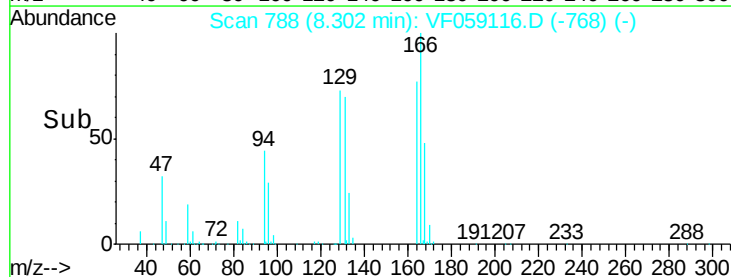
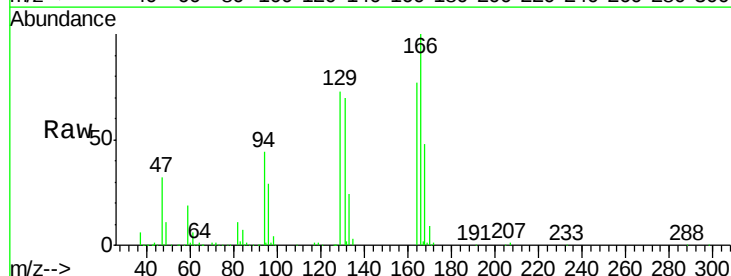
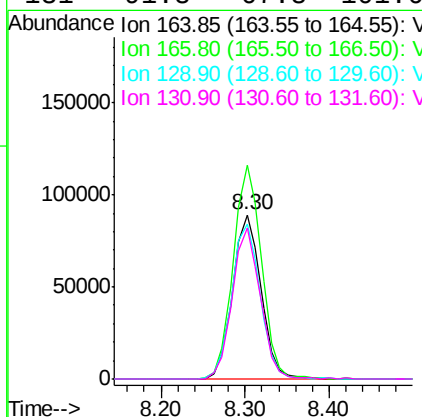
Manual Integrations
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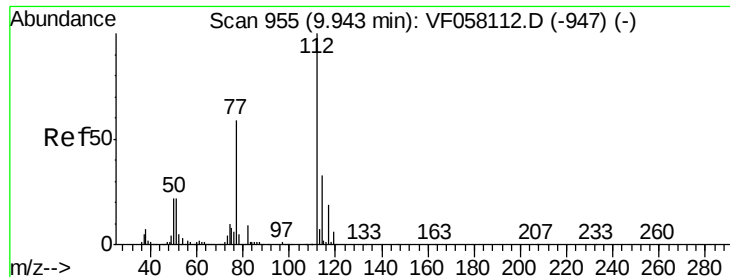
apatel
6/7/2018 12:39:34 PM



#64
Tetrachloroethene
Concen: 50.559 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209327		
166	130.3	98.2	147.4	
129	94.7	71.6	107.4	
131	91.8	67.8	101.6	





#65

Chlorobenzene

Concen: 51.459 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion:112 Resp: 575213

Ion Ratio Lower Upper

112 100

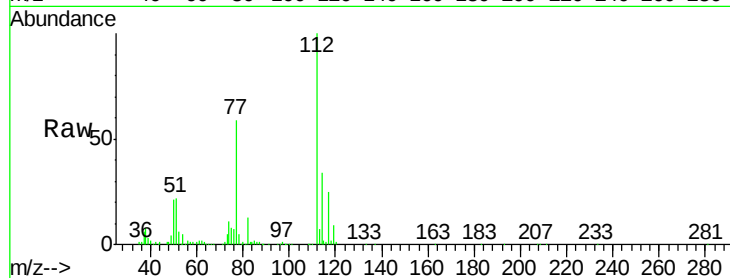
114 33.7 26.2 39.4

Manual Integrations

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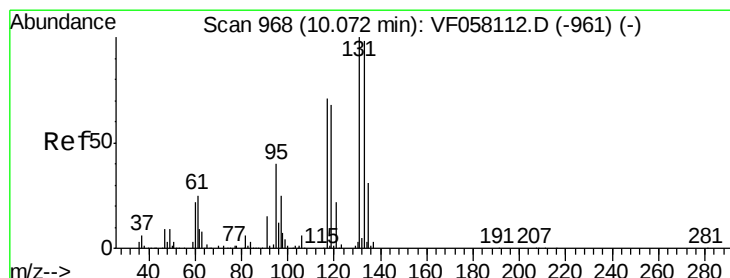
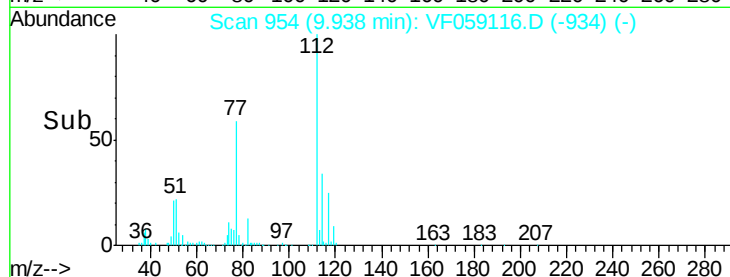
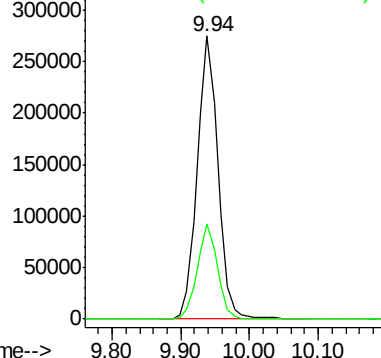
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.971 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

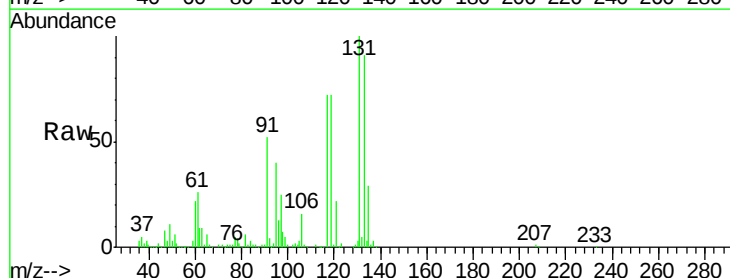
Tgt Ion:131 Resp: 213306

Ion Ratio Lower Upper

131 100

133 90.8 49.1 147.4

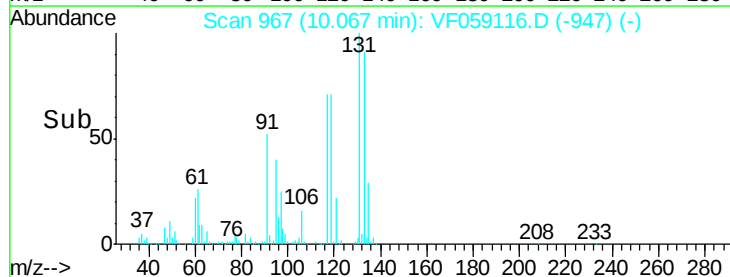
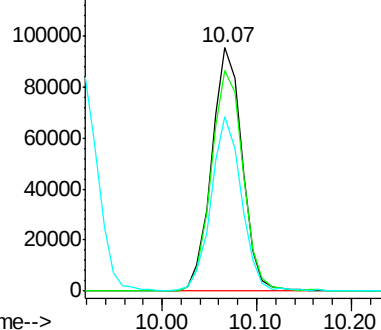
119 71.5 34.3 102.8

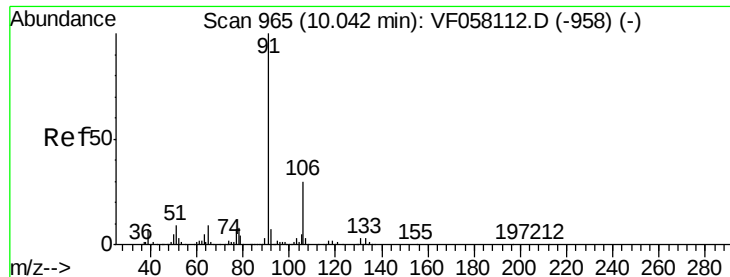


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 49.944 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 91 Resp: 970050

Ion Ratio Lower Upper

91 100

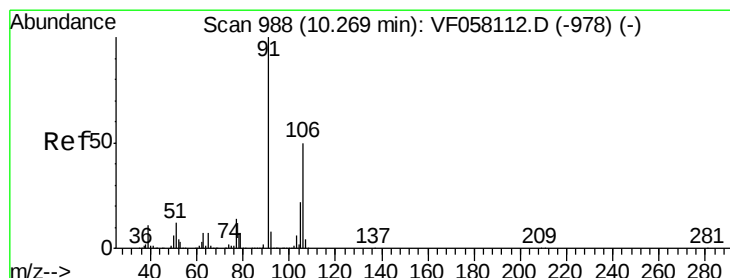
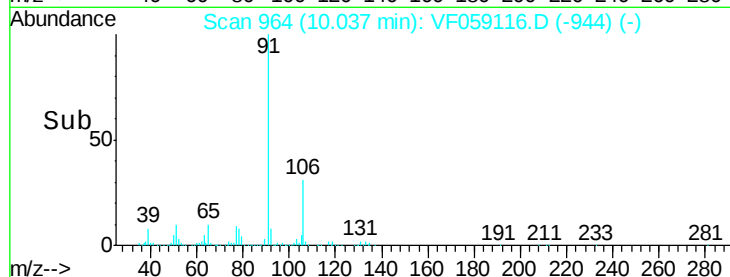
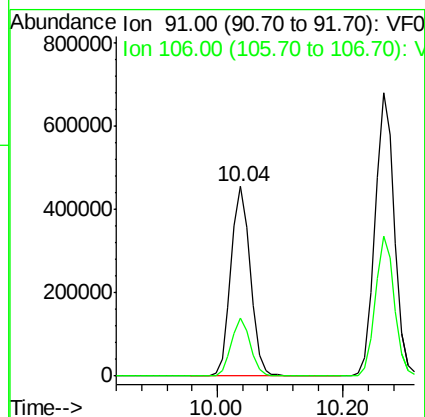
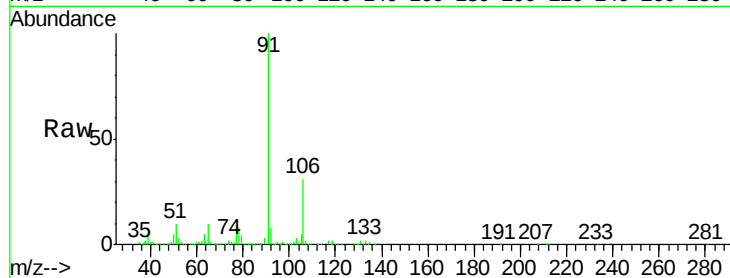
106 30.6 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.975 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059116.D

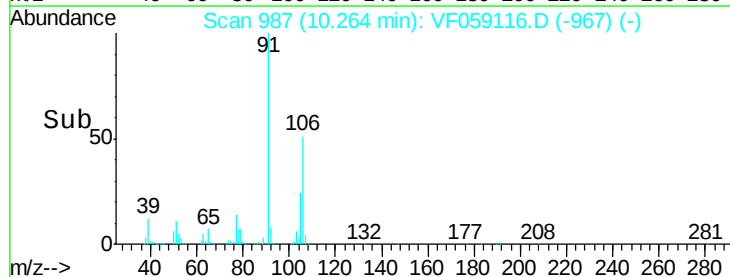
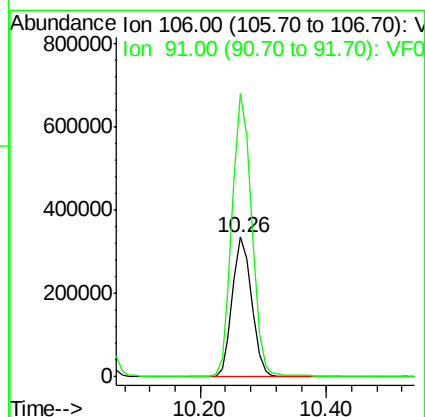
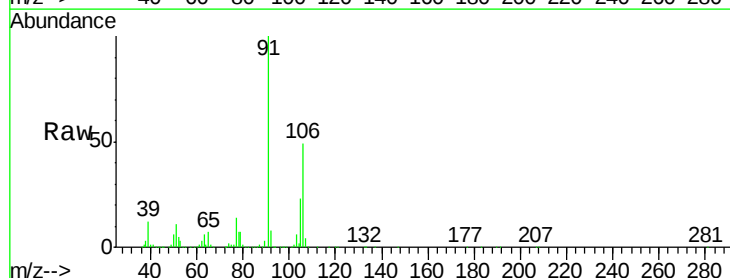
Acq: 6 Jun 2018 20:00

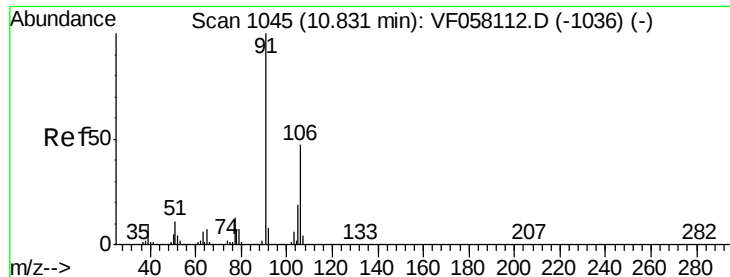
Tgt Ion: 106 Resp: 712460

Ion Ratio Lower Upper

106 100

91 202.3 160.7 241.1





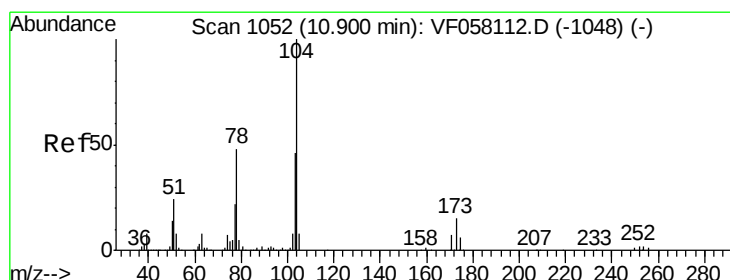
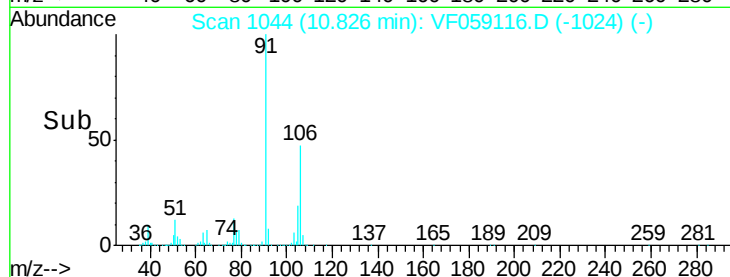
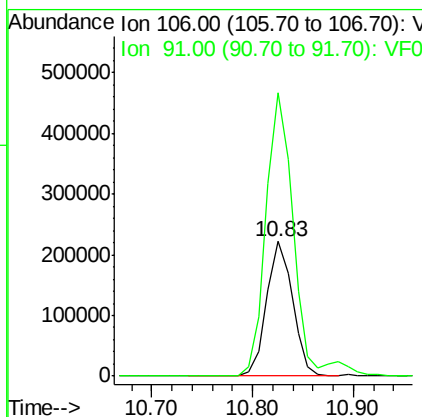
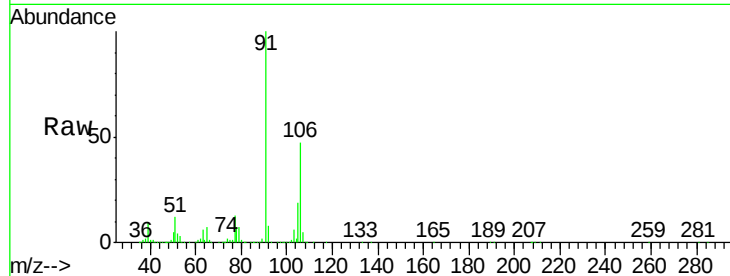
#69
o-Xylene
Concen: 50.793 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion:106 Resp: 399197
Ion Ratio Lower Upper
106 100
91 210.7 107.0 321.0

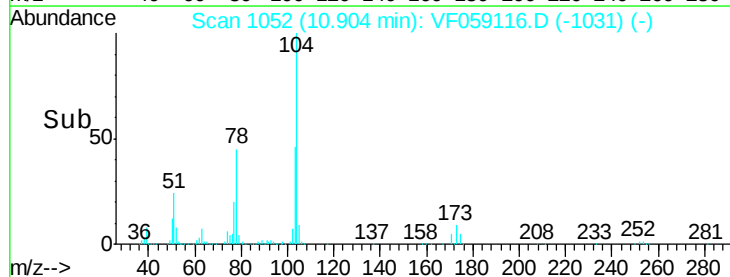
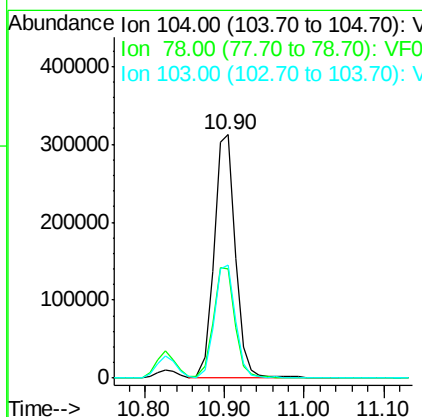
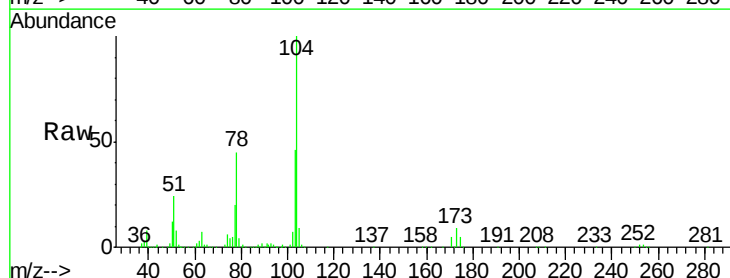
Manual Integrations
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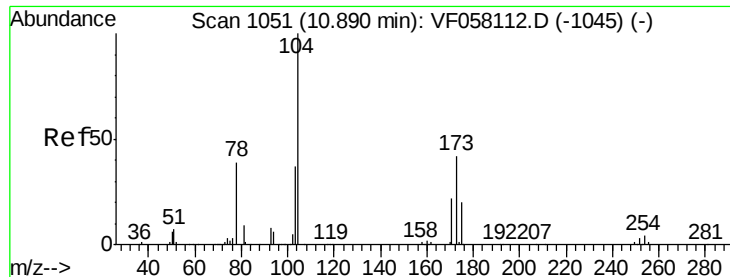
apatel
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#70
Styrene
Concen: 49.523 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion:104 Resp: 588890
Ion Ratio Lower Upper
104 100
78 44.8 38.4 57.6
103 46.2 37.0 55.6





#71

Bromoform

Concen: 51.026 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

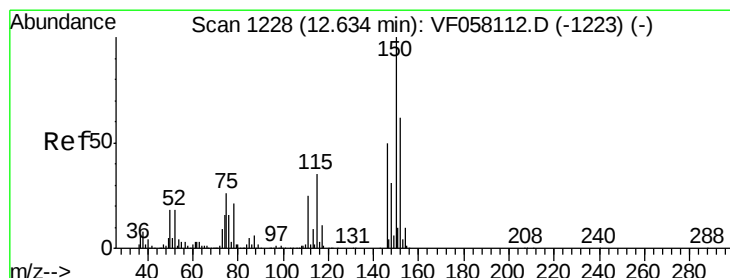
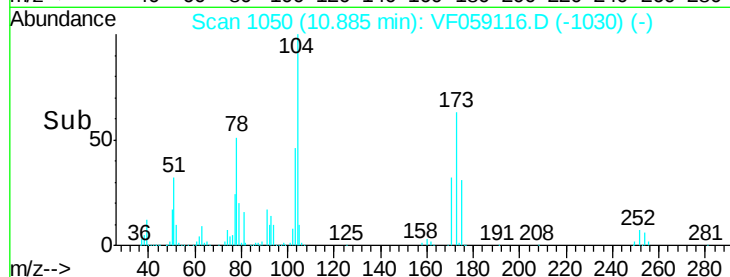
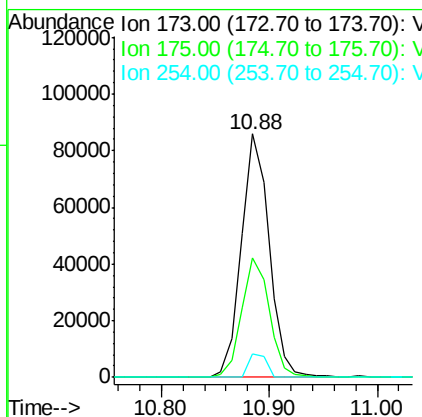
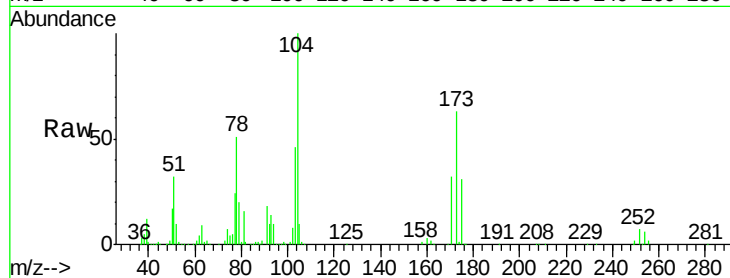
ClientSampleId :

VSTDICV050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	154084		
175	49.0	24.6	74.0	
254	9.7	7.8	11.8	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

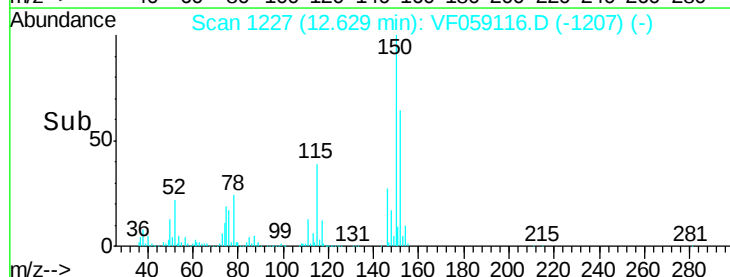
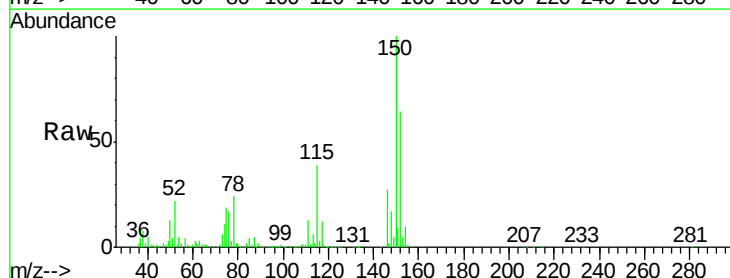
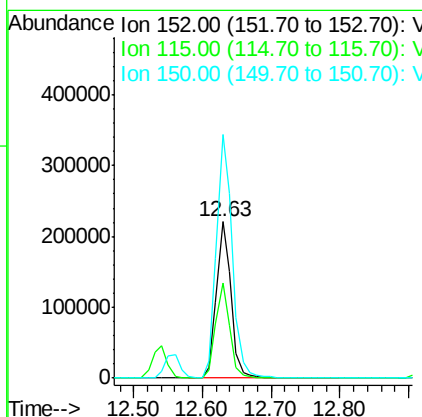
RT: 12.63 min Scan# 1227

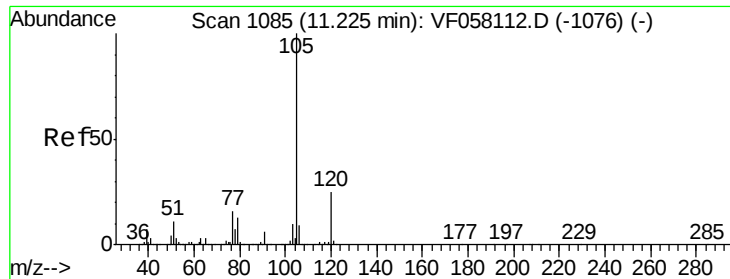
Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	324252		
115	61.0	28.5	85.5	
150	155.9	0.0	323.8	





#73

Isopropylbenzene

Concen: 48.613 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 105 Resp: 1091320

Ion Ratio Lower Upper

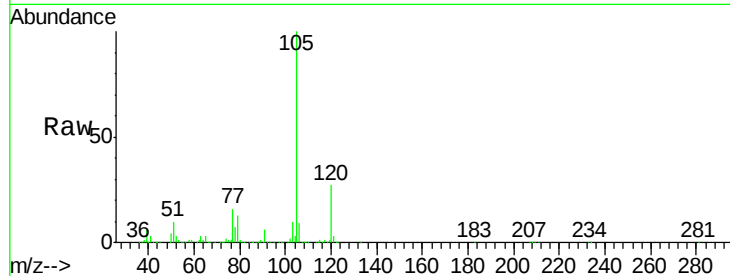
105 100

120 27.3 12.7 38.1

Manual Integrations
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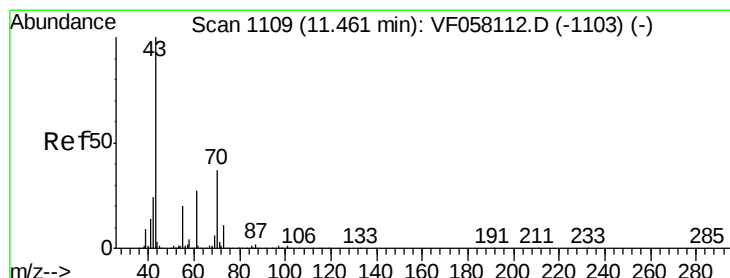
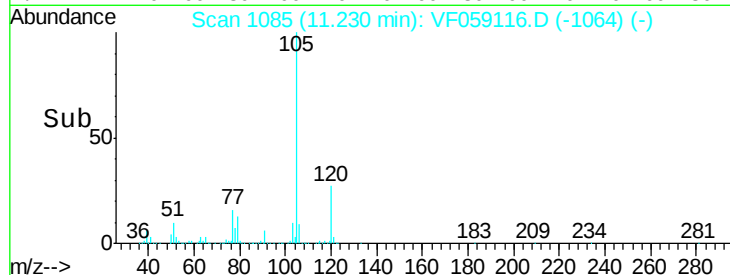
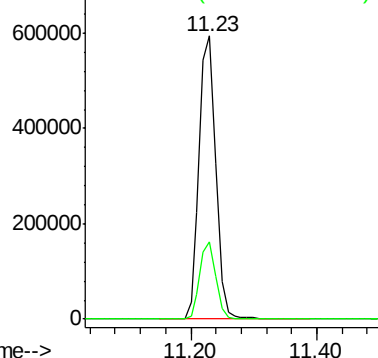
apatel

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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: 52.543 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion: 43 Resp: 421354

Ion Ratio Lower Upper

43 100

70 34.4 29.2 43.8

55 19.9 15.8 23.6

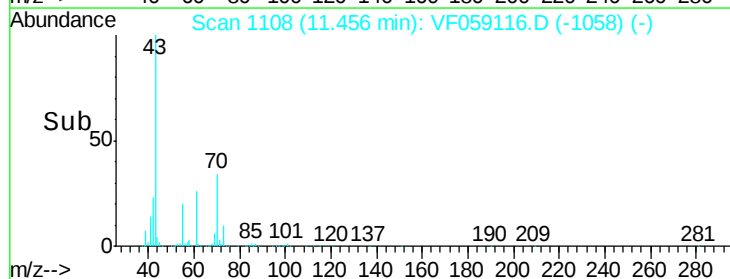
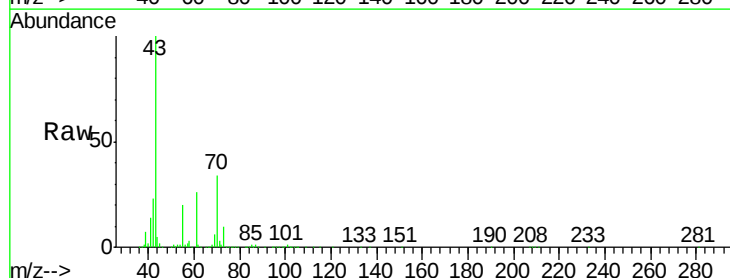
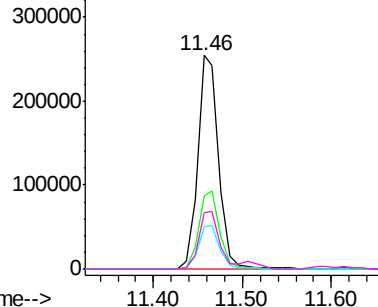
61 26.4 21.3 31.9

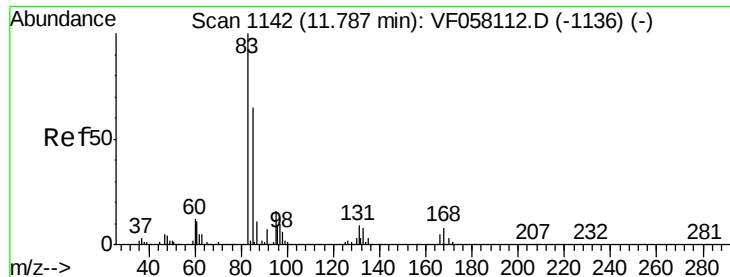
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.570 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICV050

Tgt Ion: 83 Resp: 258509

Ion Ratio Lower Upper

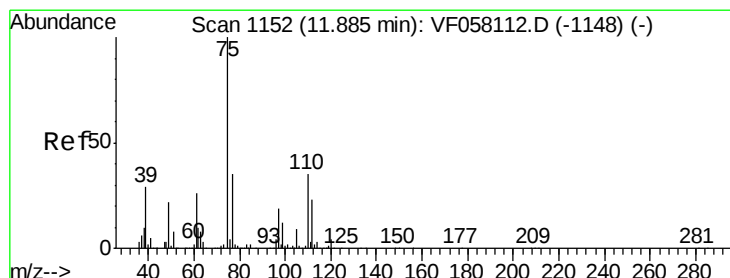
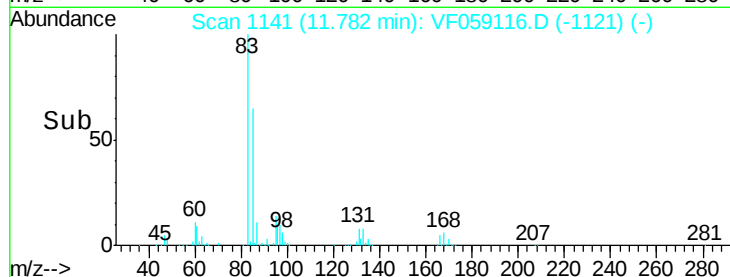
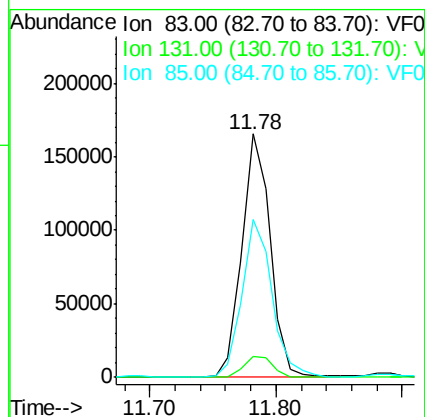
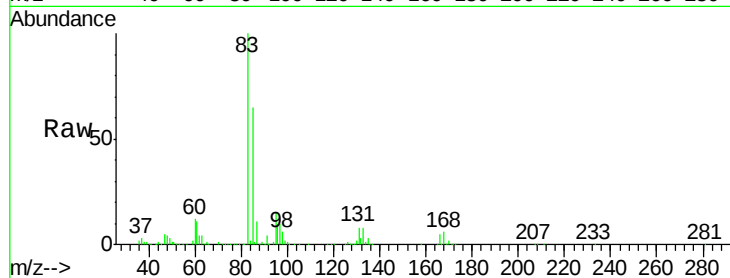
83 100

131 8.3 4.5 13.7

85 65.1 32.8 98.3

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#76

1,2,3-Trichloropropane

Concen: 47.703 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059116.D

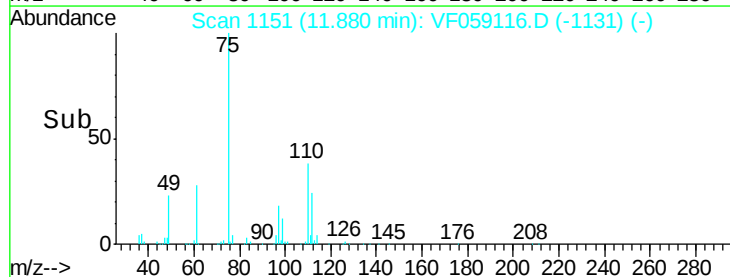
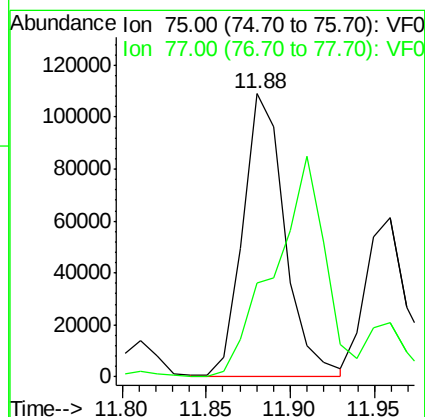
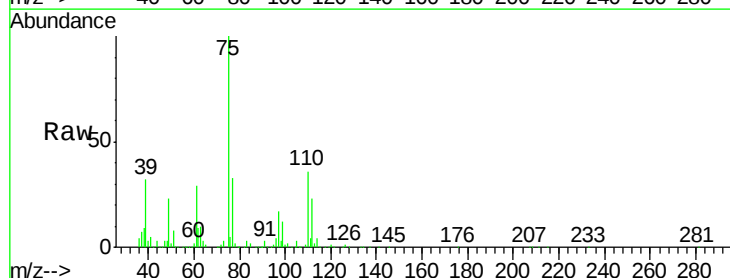
Acq: 6 Jun 2018 20:00

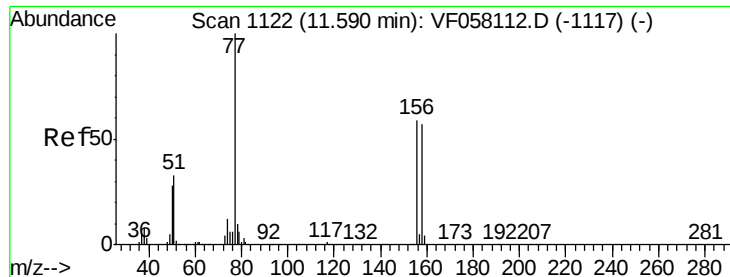
Tgt Ion: 75 Resp: 187509

Ion Ratio Lower Upper

75 100

77 33.3 17.5 52.5





#77

Bromobenzene

Concen: 48.180 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

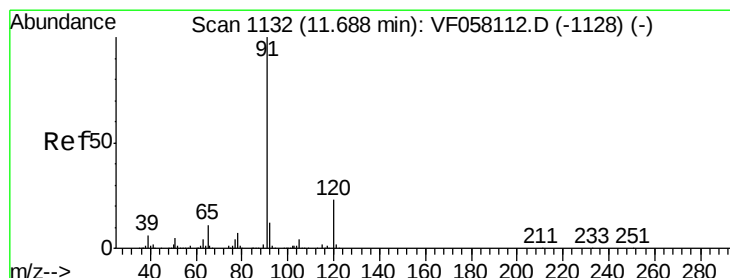
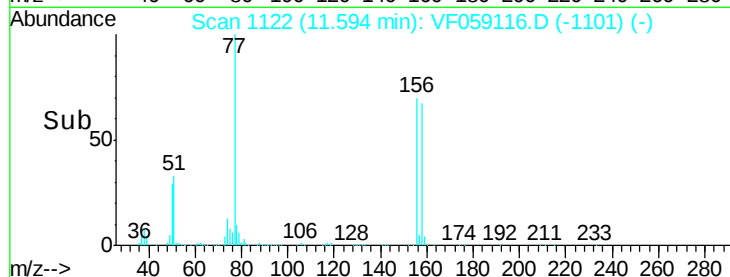
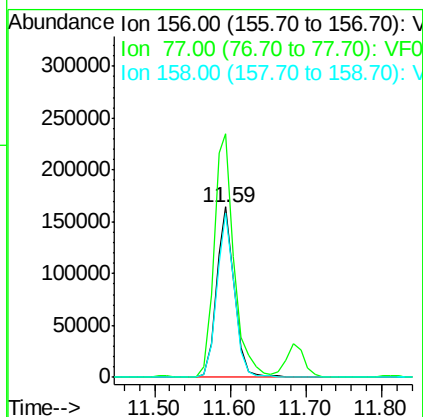
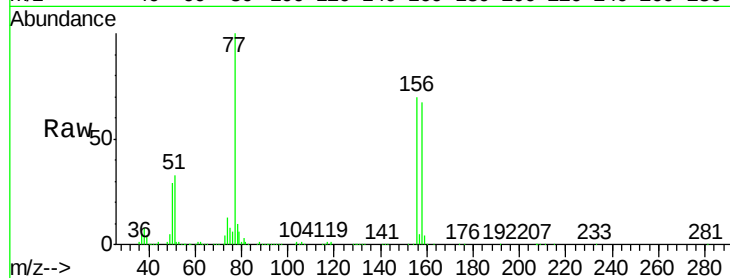
ClientSampleId :

VSTDICV050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	142.7	84.8	254.4
158	96.0	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 47.418 ug/l

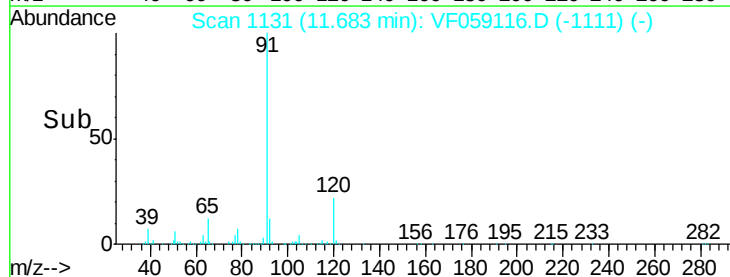
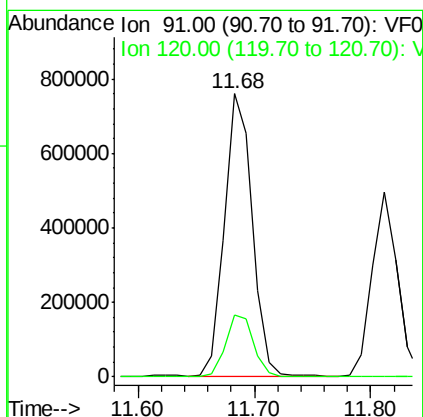
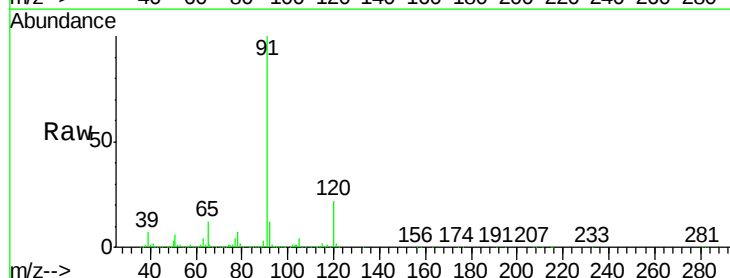
RT: 11.68 min Scan# 1131

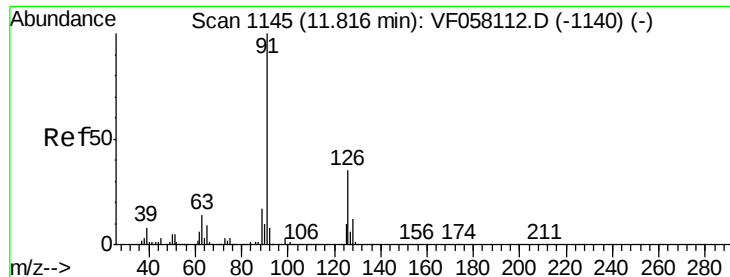
Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.5





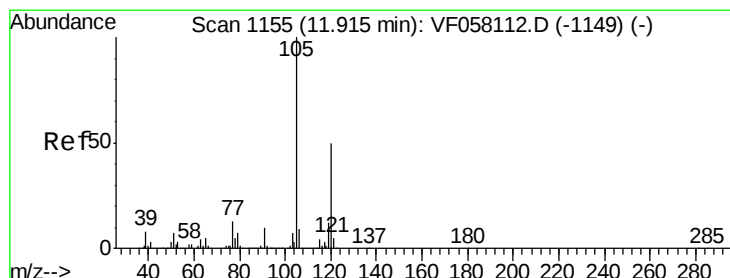
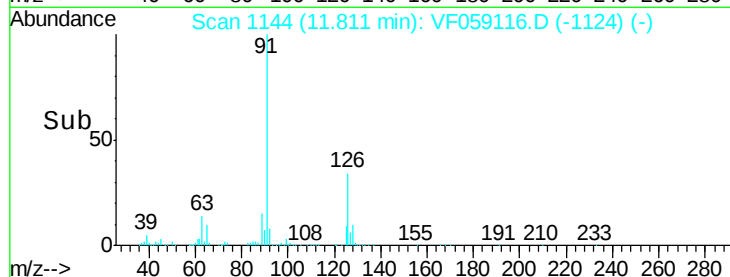
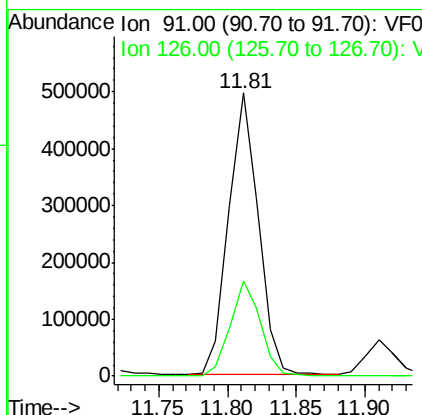
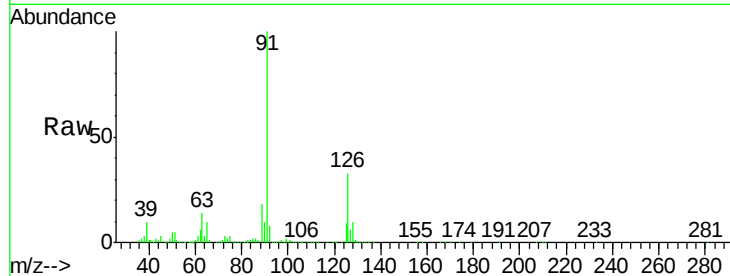
#79
 2-Chlorotoluene
 Concen: 47.644 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion: 91 Resp: 747895
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.6 52.9

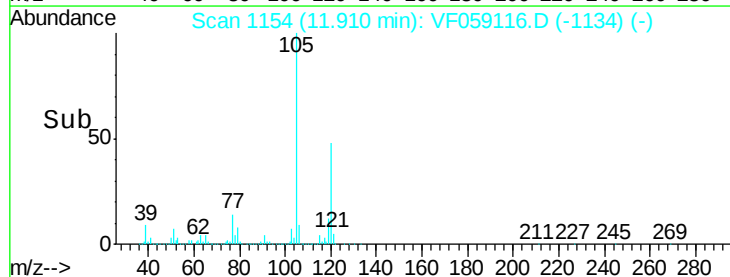
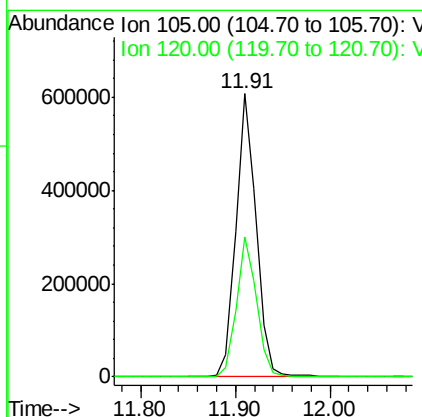
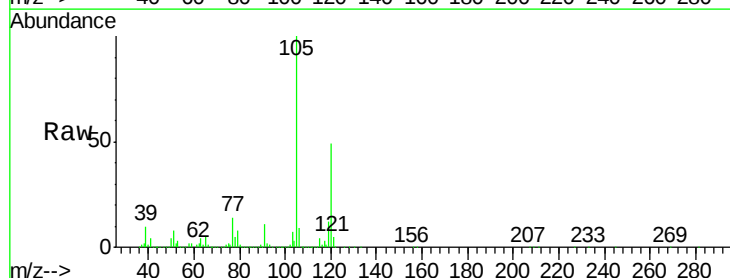
Manual Integrations
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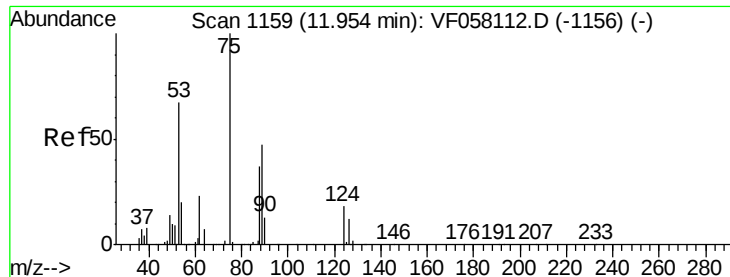
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.409 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion: 105 Resp: 899466
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.049 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

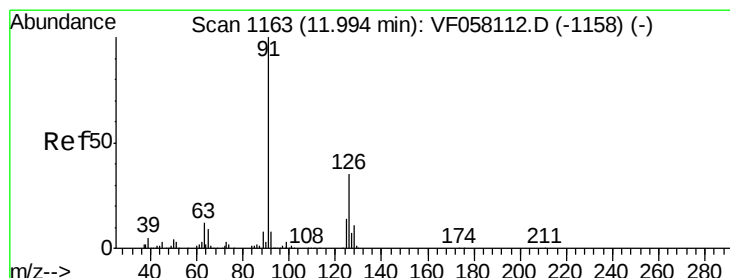
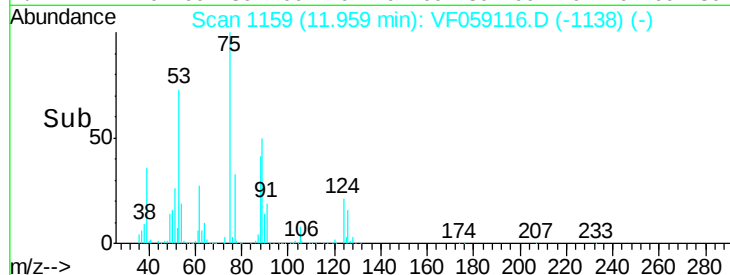
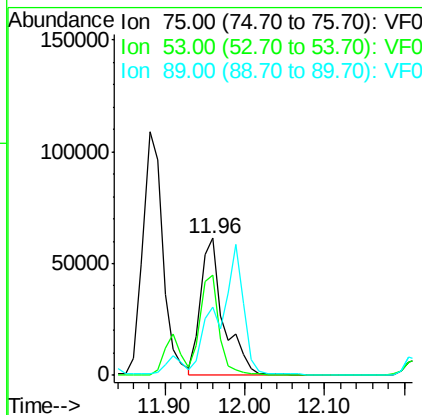
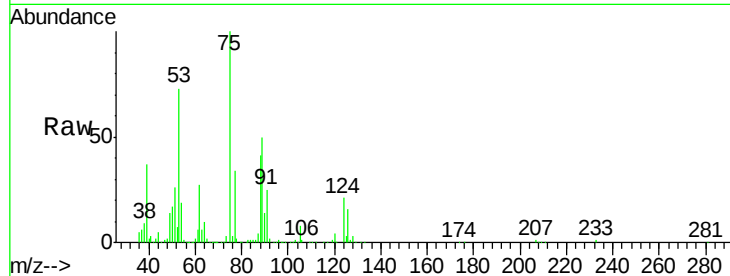
ClientSampleId :

VSTDICV050

Tgt Ion:	75	Resp:	122457
Ion Ratio		Lower	Upper
75	100		
53	72.8	58.7	88.1
89	50.3	39.8	59.6

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#82

4-Chlorotoluene

Concen: 48.821 ug/l

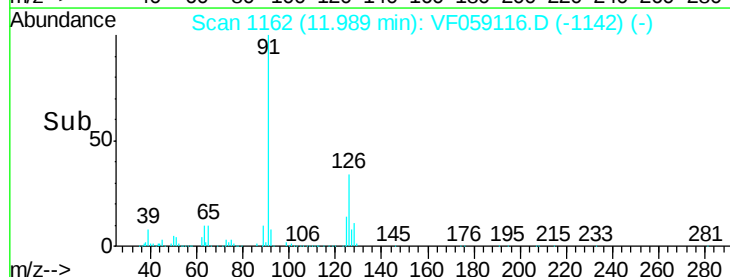
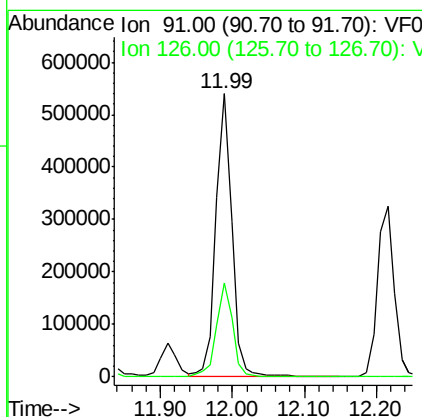
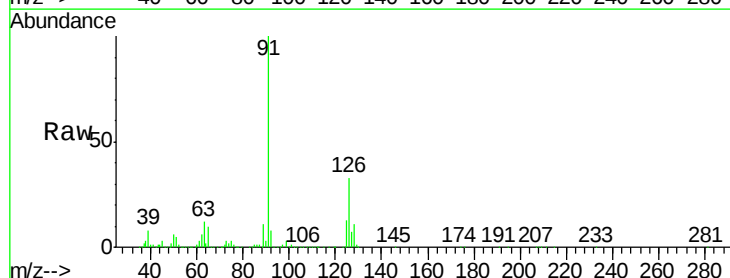
RT: 11.99 min Scan# 1162

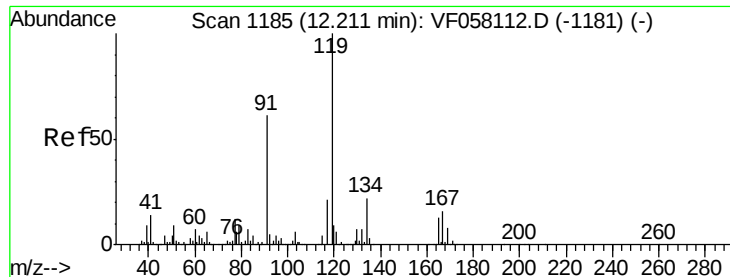
Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	91	Resp:	815886
Ion Ratio		Lower	Upper
91	100		
126	33.1	17.4	52.2





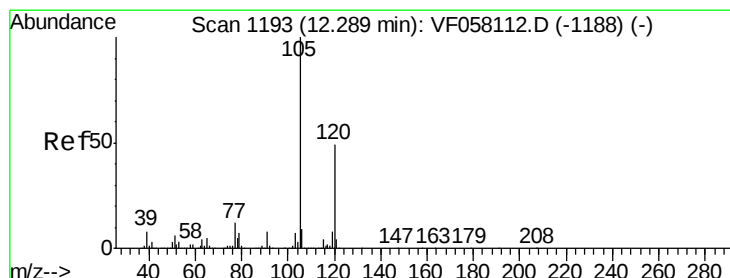
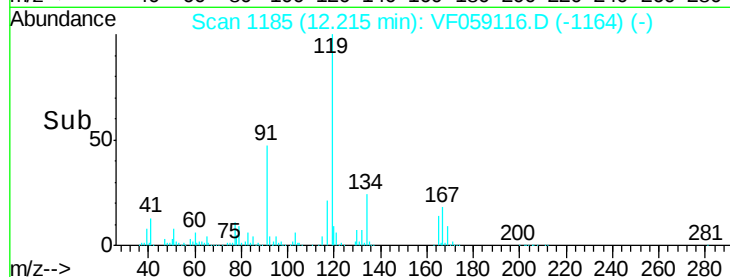
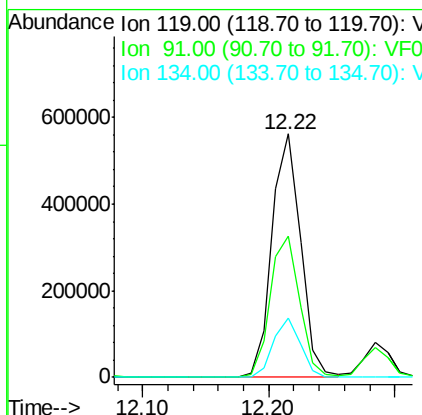
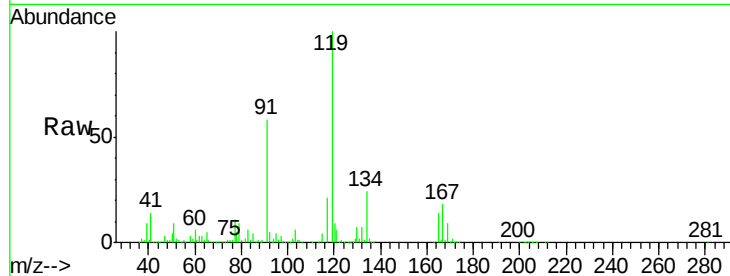
#83
 tert-Butylbenzene
 Concen: 48.407 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.1	30.4	91.3
134	24.2	11.2	33.5

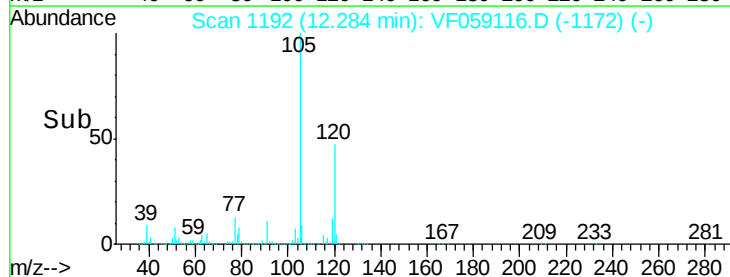
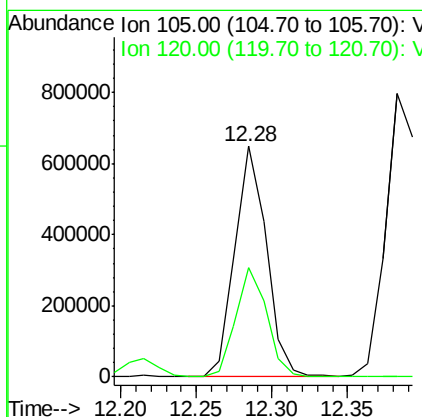
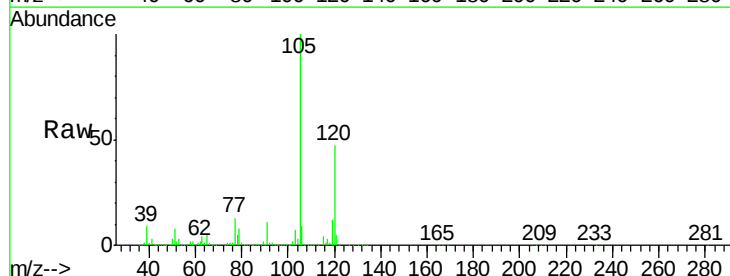
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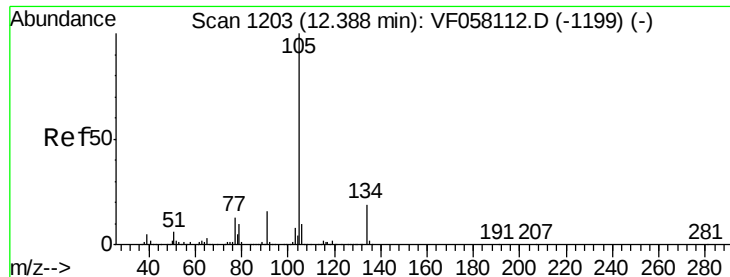
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.072 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.7	74.1





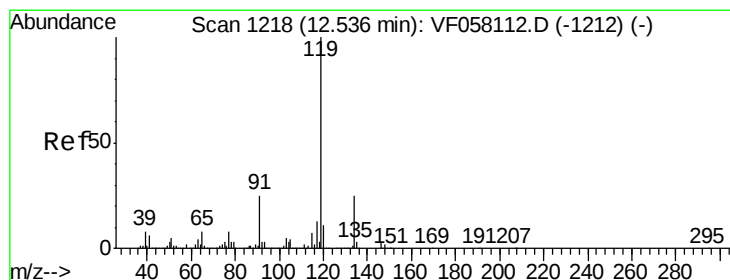
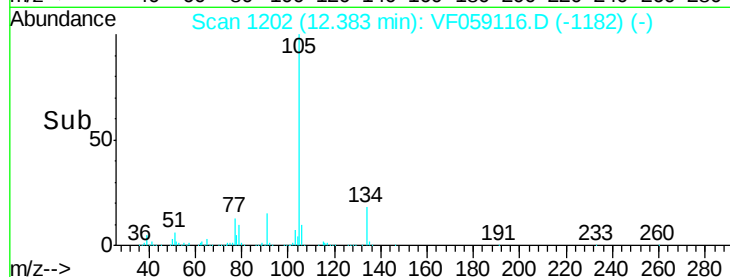
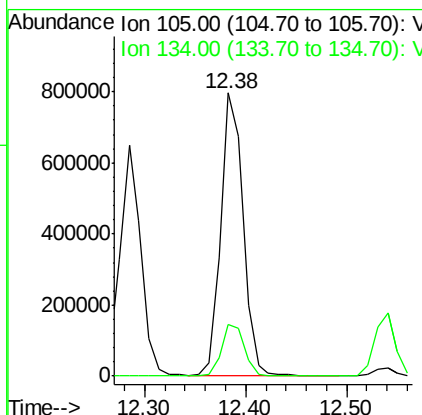
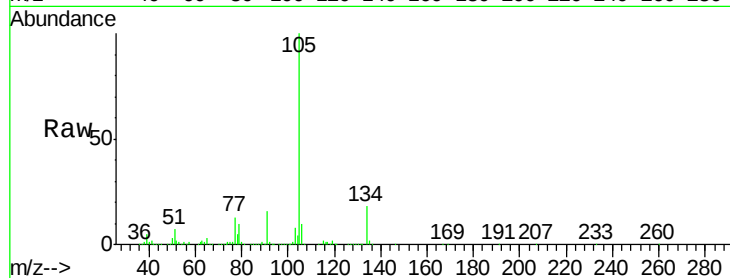
#85
 sec-Butylbenzene
 Concen: 49.320 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion:105 Resp: 1236409
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.6 28.6

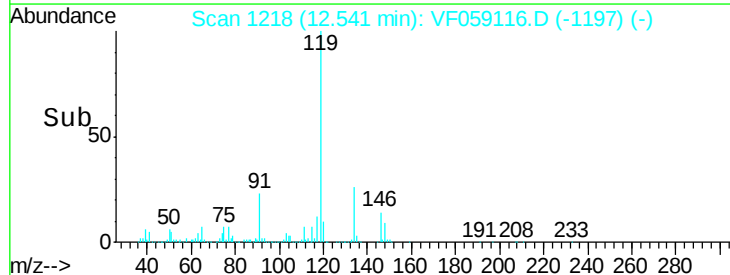
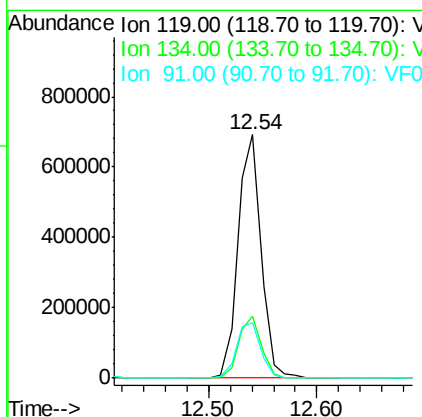
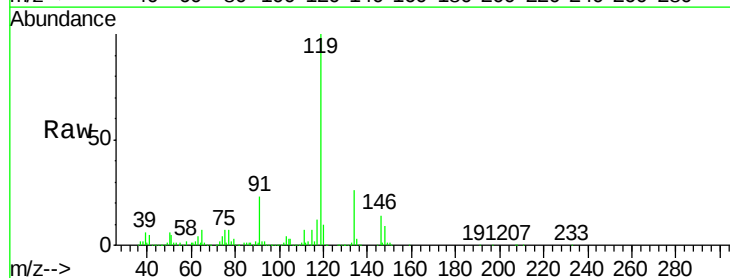
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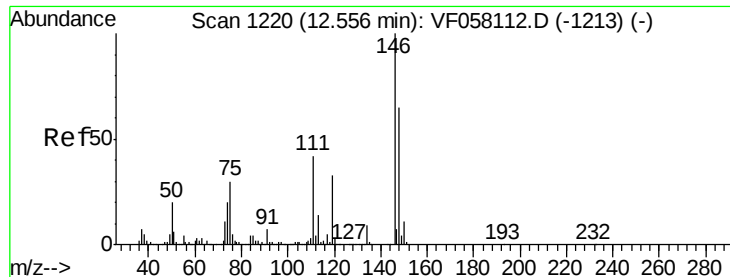
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#86
 p-Isopropyltoluene
 Concen: 49.491 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion:119 Resp: 1019035
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.0
 91 22.8 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 47.132 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

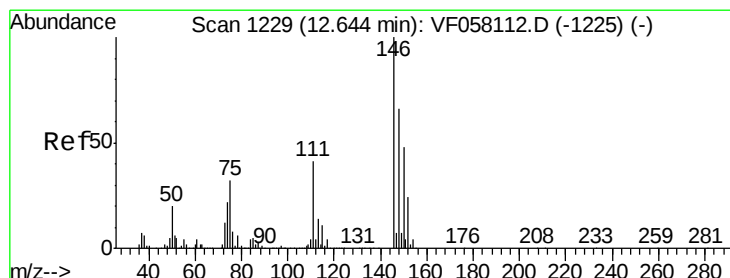
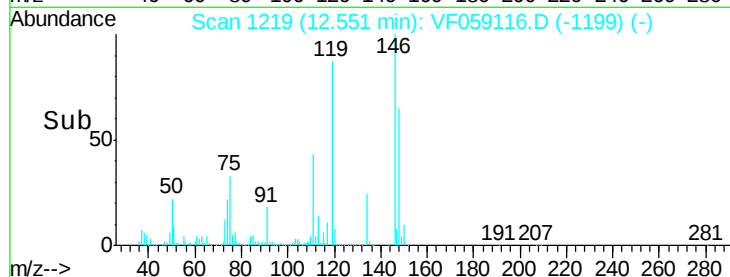
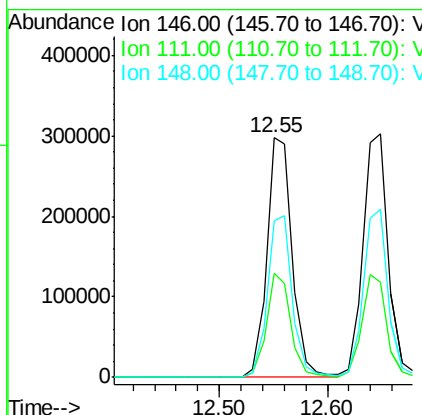
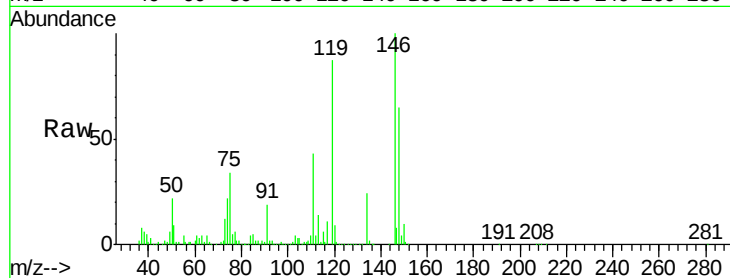
ClientSampleId :

VSTDICV050

Tgt Ion:	146	Resp:	491642
Ion Ratio	Lower	Upper	
146	100		
111	43.3	20.8	62.5
148	65.2	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.500 ug/l

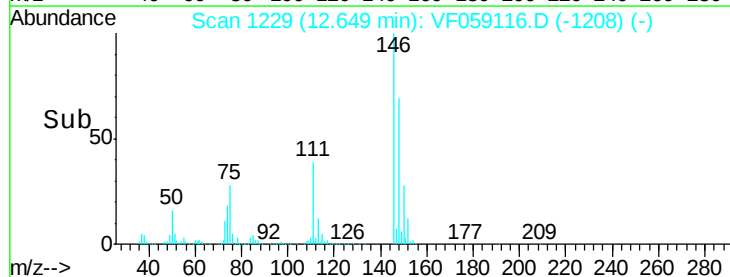
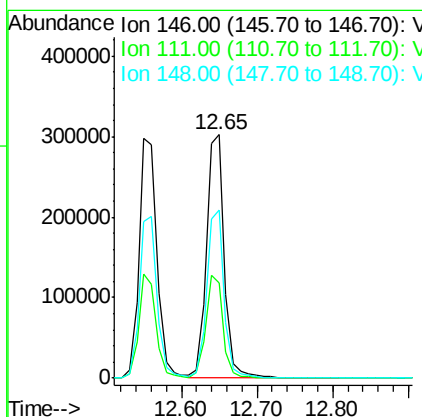
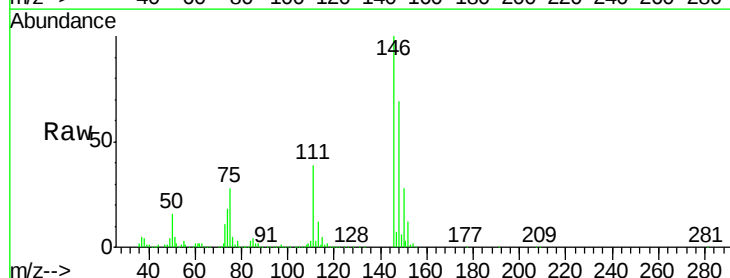
RT: 12.65 min Scan# 1229

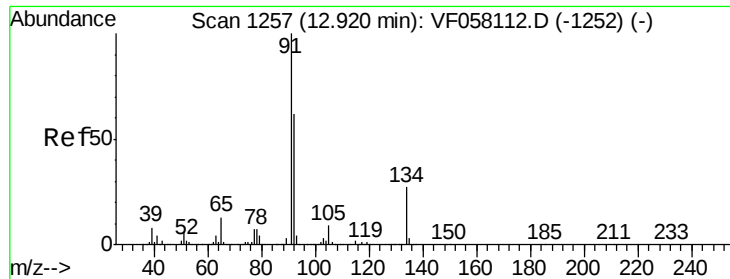
Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	146	Resp:	497583
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.4	61.2
148	69.0	33.0	99.0





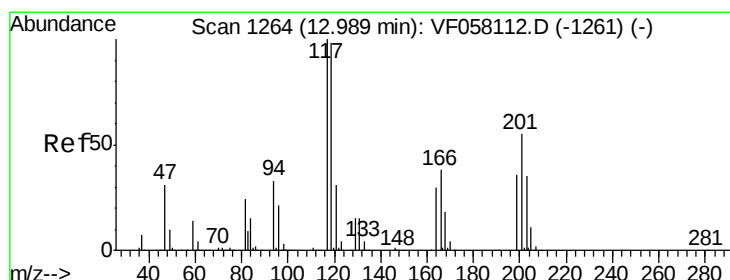
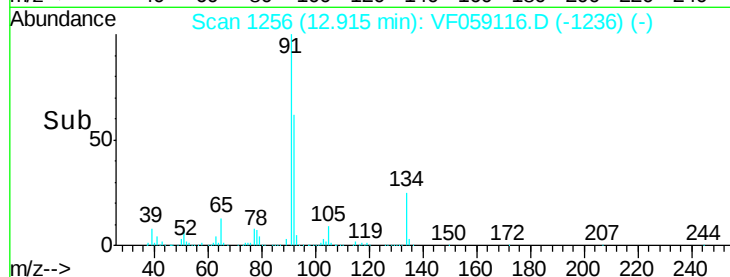
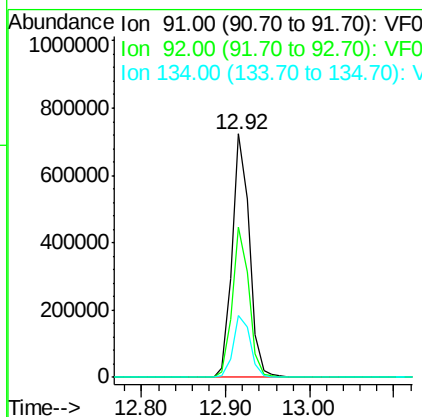
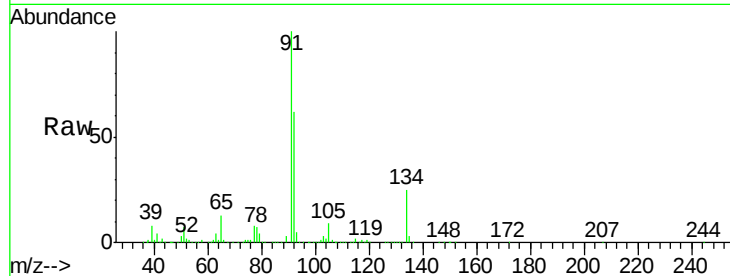
#89
n-Butylbenzene
Concen: 47.724 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion: 91 Resp: 1024662
Ion Ratio Lower Upper
91 100
92 61.9 31.1 93.5
134 25.2 13.6 40.8

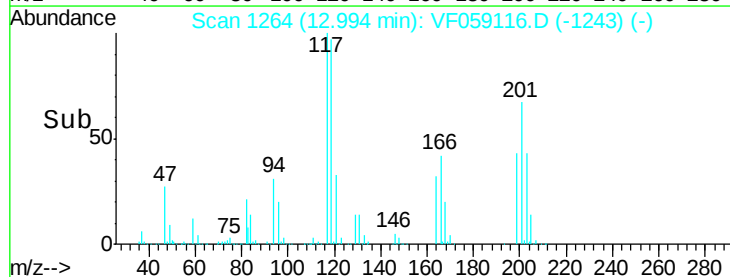
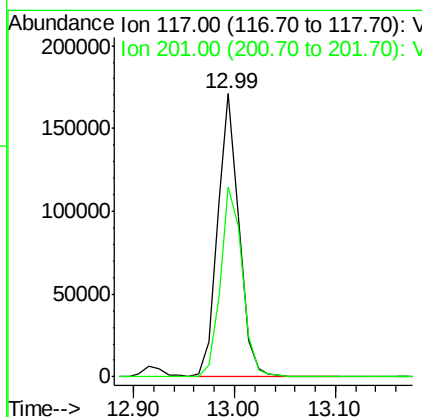
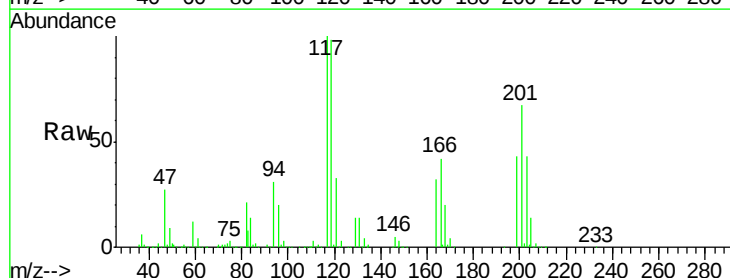
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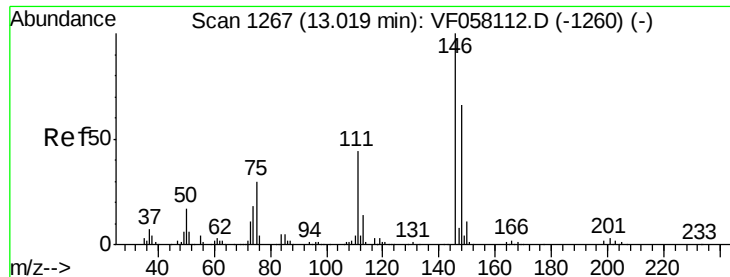
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#90
Hexachloroethane
Concen: 49.766 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion: 117 Resp: 252344
Ion Ratio Lower Upper
117 100
201 67.0 27.5 82.4





#91

1,2-Dichlorobenzene

Concen: 48.345 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Instrument :

MSVOA_F

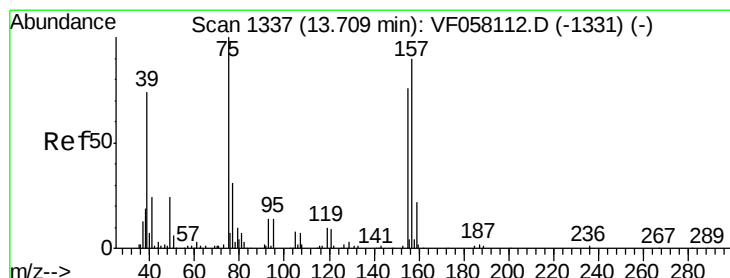
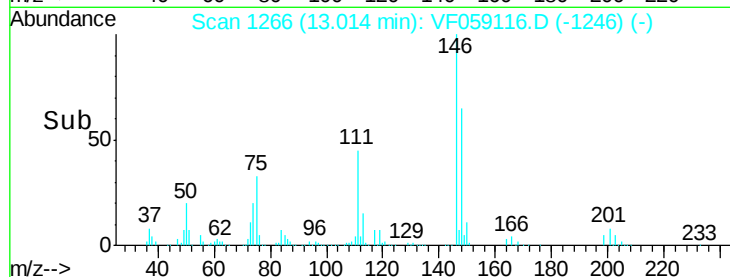
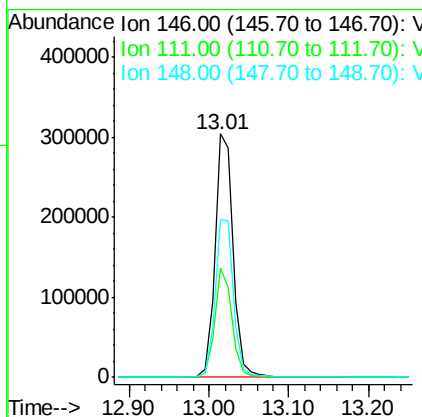
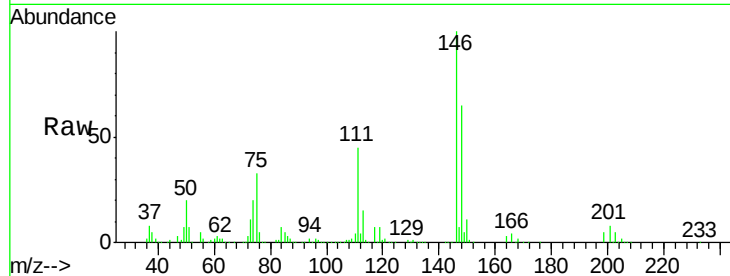
ClientSampleId :

VSTDICV050

Tgt Ion:	146	Resp:	485814
Ion Ratio	Lower	Upper	
146	100		
111	44.6	22.0	66.0
148	64.7	33.1	99.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.478 ug/l

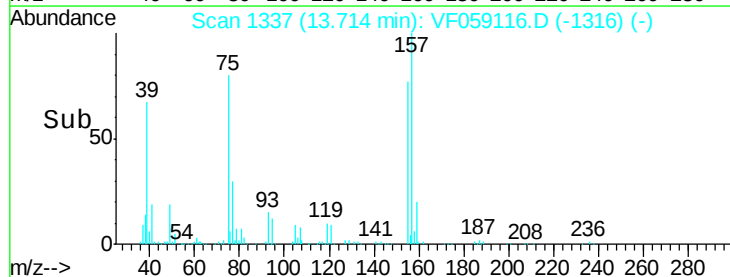
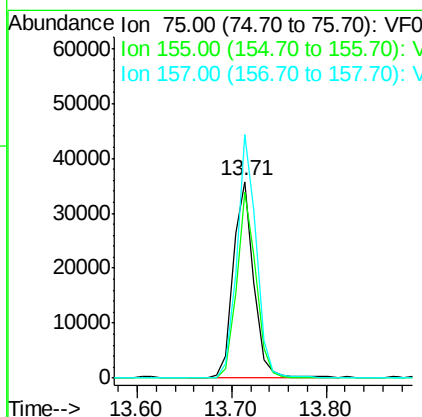
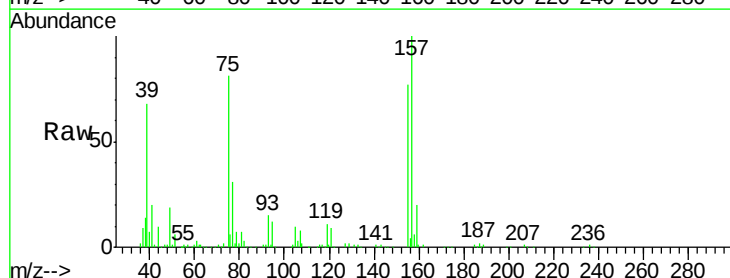
RT: 13.71 min Scan# 1337

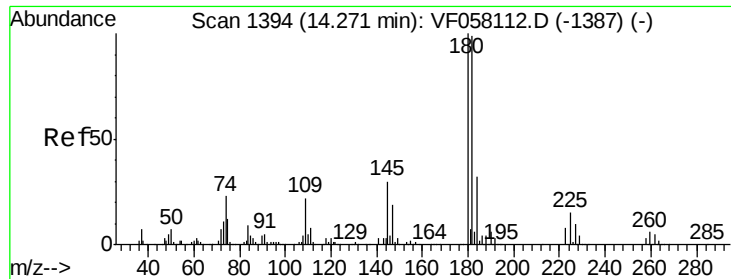
Delta R.T. 0.00 min

Lab File: VF059116.D

Acq: 6 Jun 2018 20:00

Tgt Ion:	75	Resp:	53743
Ion Ratio	Lower	Upper	
75	100		
155	95.0	38.0	114.0
157	124.1	45.1	135.5





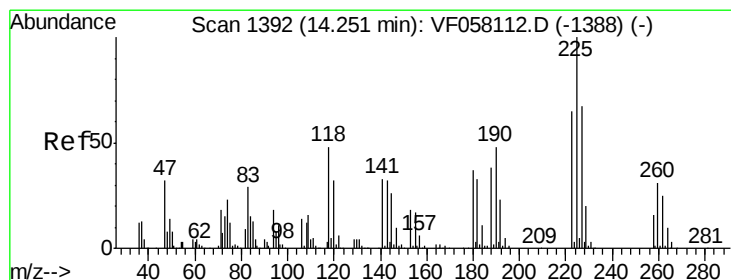
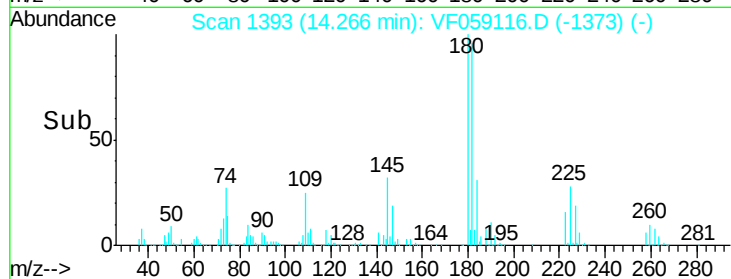
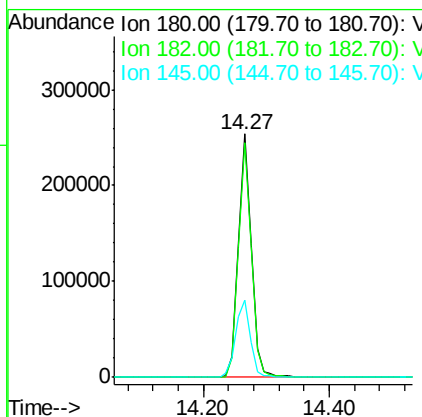
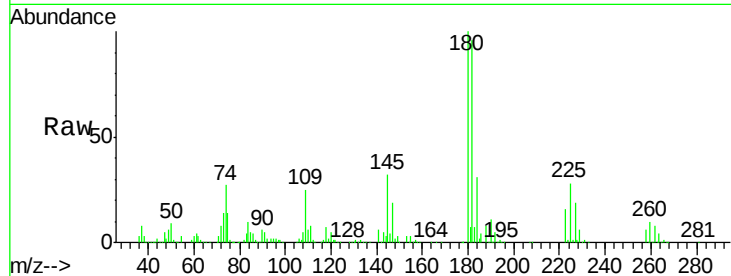
#93
 1,2,4-Trichlorobenzene
 Concen: 51.069 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICV050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	358940		
182	96.4	49.3	147.9	
145	31.7	14.9	44.9	

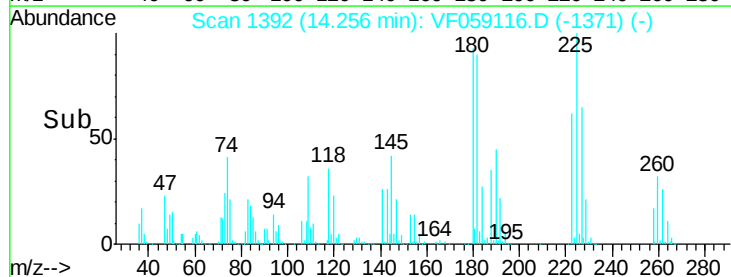
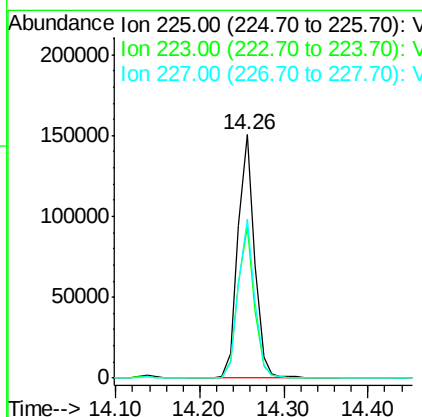
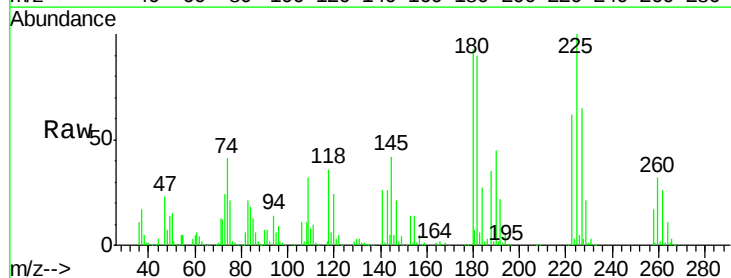
Manual Integrations
 APPROVED

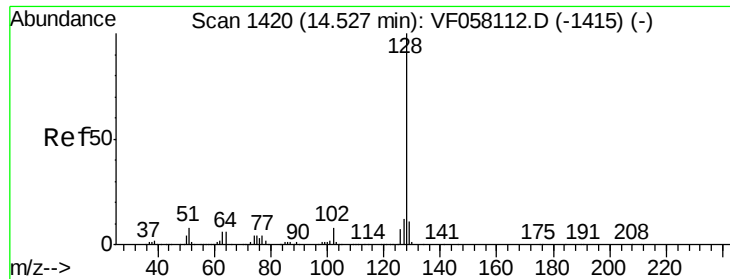
apatel
 6/7/2018 12:39:34 PM



#94
 Hexachlorobutadiene
 Concen: 51.292 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059116.D
 Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	208621		
223	62.4	32.8	98.3	
227	65.3	33.3	99.9	





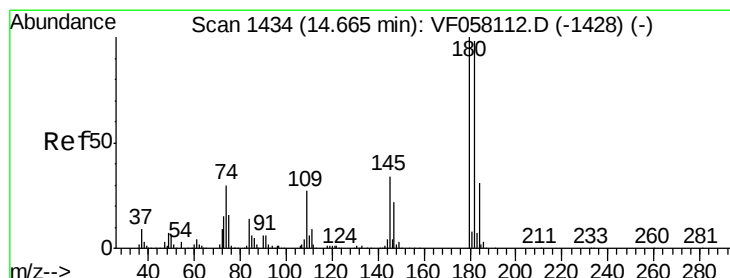
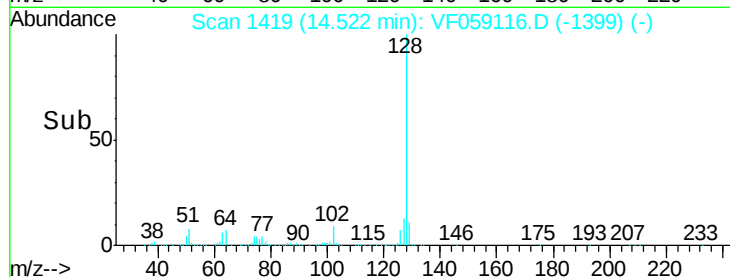
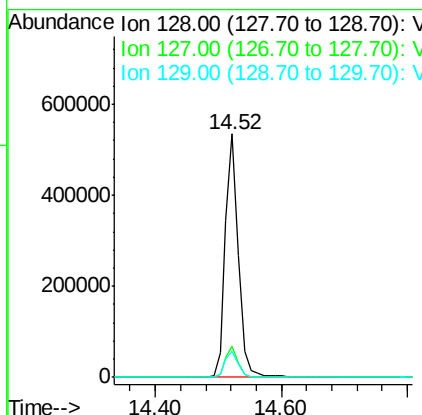
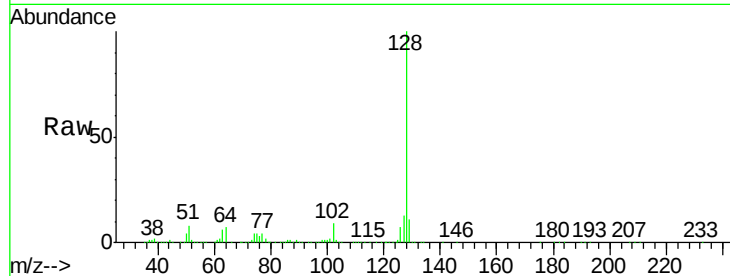
#95
Naphthalene
Concen: 51.403 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	10.7	8.7	13.1

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.230 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059116.D
Acq: 6 Jun 2018 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.9	146.6
145	30.8	17.3	51.7

