

Data File : VF058115.D
Acq On : 6 Jun 2018 19:05
Operator : JC/SY
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:16 PM

Quant Time: Jun 07 07:01:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	348440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	591441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	553341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	307217	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	622977	143.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.66%	
35) Dibromofluoromethane	4.30	113	572198	130.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.88%	
50) Toluene-d8	7.71	98	1643746	126.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.88%	
62) 4-Bromofluorobenzene	11.51	95	793878	122.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	244.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	578606	137.503	ug/l	97
3) Chloromethane	1.09	50	447662	134.276	ug/l	97
4) Vinyl Chloride	1.16	62	435534	156.474	ug/l	99
5) Bromomethane	1.34	94	241937	153.507	ug/l	98
6) Chloroethane	1.43	64	171445	144.596	ug/l	93
7) Trichlorofluoromethane	1.48	101	644911m	152.540	ug/l	
8) Diethyl Ether	1.70	74	153071	148.668	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	361073	138.567	ug/l	99
10) Methyl Iodide	1.96	142	677261	146.187	ug/l	96
11) Tert butyl alcohol	2.69	59	183740	742.004	ug/l	100
12) 1,1-Dichloroethene	1.85	96	319533	140.930	ug/l	91
13) Acrolein	2.09	56	165176	1025.409	ug/l	94
14) Allyl chloride	2.19	41	647026	149.264	ug/l	96
15) Acrylonitrile	3.07	53	391739	684.310	ug/l	98
16) Acetone	2.33	43	714943	753.943	ug/l	96
17) Carbon Disulfide	1.84	76	969118m	148.944	ug/l	
18) Methyl Acetate	2.44	43	261145	147.670	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	1014731	142.911	ug/l	99
20) Methylene Chloride	2.27	84	326770m	140.753	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	355538	145.264	ug/l	98
22) Diisopropyl ether	2.92	45	1284940	151.428	ug/l	94
23) Vinyl Acetate	3.33	43	3973206	639.066	ug/l	99
24) 1,1-Dichloroethane	2.99	63	764536	145.453	ug/l	99
25) 2-Butanone	4.50	43	1095702	712.309	ug/l	98
26) 2,2-Dichloropropane	3.75	77	503344	135.497	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	544045	133.672	ug/l	97
28) Bromochloromethane	3.89	49	323439	139.286	ug/l	96
29) Tetrahydrofuran	4.25	42	490201	690.388	ug/l	98
30) Chloroform	4.03	83	1066323	135.232	ug/l	92
31) Cyclohexane	3.87	56	660609	133.540	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	802867	143.447	ug/l	98
36) 1,1-Dichloropropene	4.46	75	793490	132.652	ug/l	98
37) Ethyl Acetate	4.29	43	482197	136.710	ug/l	97
38) Carbon Tetrachloride	4.17	117	863491m	135.875	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	773054	125.069	ug/l	98
40) Benzene	4.81	78	1782300	127.263	ug/l	98
41) Methacrylonitrile	4.92	41	251984	141.072	ug/l	99
42) 1,2-Dichloroethane	5.11	62	837743	139.301	ug/l	99
43) Isopropyl Acetate	7.10	43	703249	147.063	ug/l	95
44) Trichloroethene	5.68	130	558844	128.116	ug/l	98
45) 1,2-Dichloropropane	6.40	63	515726	126.673	ug/l	99
46) Dibromomethane	6.26	93	408079	132.784	ug/l	91
47) Bromodichloromethane	6.54	83	874203	128.924	ug/l	98
48) Methyl methacrylate	6.87	41	436991	144.573	ug/l	99
49) 1,4-Dioxane	6.86	88	47931	2298.057	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	2030506	611.679	ug/l	97
52) Toluene	7.78	92	1250363	125.744	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	853476	131.744	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	1000603	134.438	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	478453	132.344	ug/l	97
56) Ethyl methacrylate	8.76	69	637776	139.495	ug/l	98
57) 1,3-Dichloropropane	9.00	76	826243	131.270	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	204123	645.781	ug/l	100
59) 2-Hexanone	9.63	43	1609165	619.064	ug/l	99
60) Dibromochloromethane	8.87	129	703142	136.783	ug/l	99
61) 1,2-Dibromoethane	9.14	107	575641	133.460	ug/l	97
64) Tetrachloroethene	8.31	164	553817	132.593	ug/l	92
65) Chlorobenzene	9.94	112	1516265	135.242	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	593439	135.413	ug/l	98
67) Ethyl Benzene	10.04	91	2417681	122.692	ug/l	95
68) m/p-Xylenes	10.27	106	1806008	247.206	ug/l	90
69) o-Xylene	10.83	106	1007260	126.586	ug/l	90
70) Styrene	10.90	104	1521217	127.498	ug/l	99
71) Bromoform	10.89	173	443864	147.272	ug/l #	93
73) Isopropylbenzene	11.22	105	2656145	121.746	ug/l	94
74) N-amyl acetate	11.46	43	1022888	125.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	691597	132.337	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	515050	135.063	ug/l	97
77) Bromobenzene	11.60	156	737965	135.736	ug/l	83
78) n-propylbenzene	11.69	91	3069463	117.745	ug/l	94
79) 2-Chlorotoluene	11.82	91	1918324	124.566	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	2191922	121.191	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	340768	141.092	ug/l	98
82) 4-Chlorotoluene	11.99	91	2029774	124.978	ug/l	94
83) tert-Butylbenzene	12.22	119	2075441	114.734	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	2251661	120.008	ug/l	96
85) sec-Butylbenzene	12.39	105	2938607	119.930	ug/l	94
86) p-Isopropyltoluene	12.54	119	2344235	114.762	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	1207043	120.433	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	1248670	129.768	ug/l	95
89) n-Butylbenzene	12.92	91	2321723	109.054	ug/l	92
90) Hexachloroethane	13.00	117	633726	128.641	ug/l	69
91) 1,2-Dichlorobenzene	13.02	146	1222842	125.687	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	148230	148.707	ug/l	93

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	828302	121.385	ug/l	97
94) Hexachlorobutadiene	14.25	225	501051	127.186	ug/l	97
95) Naphthalene	14.52	128	2039873	140.034	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	842643	131.067	ug/l	99

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

Data File : VF058115.D

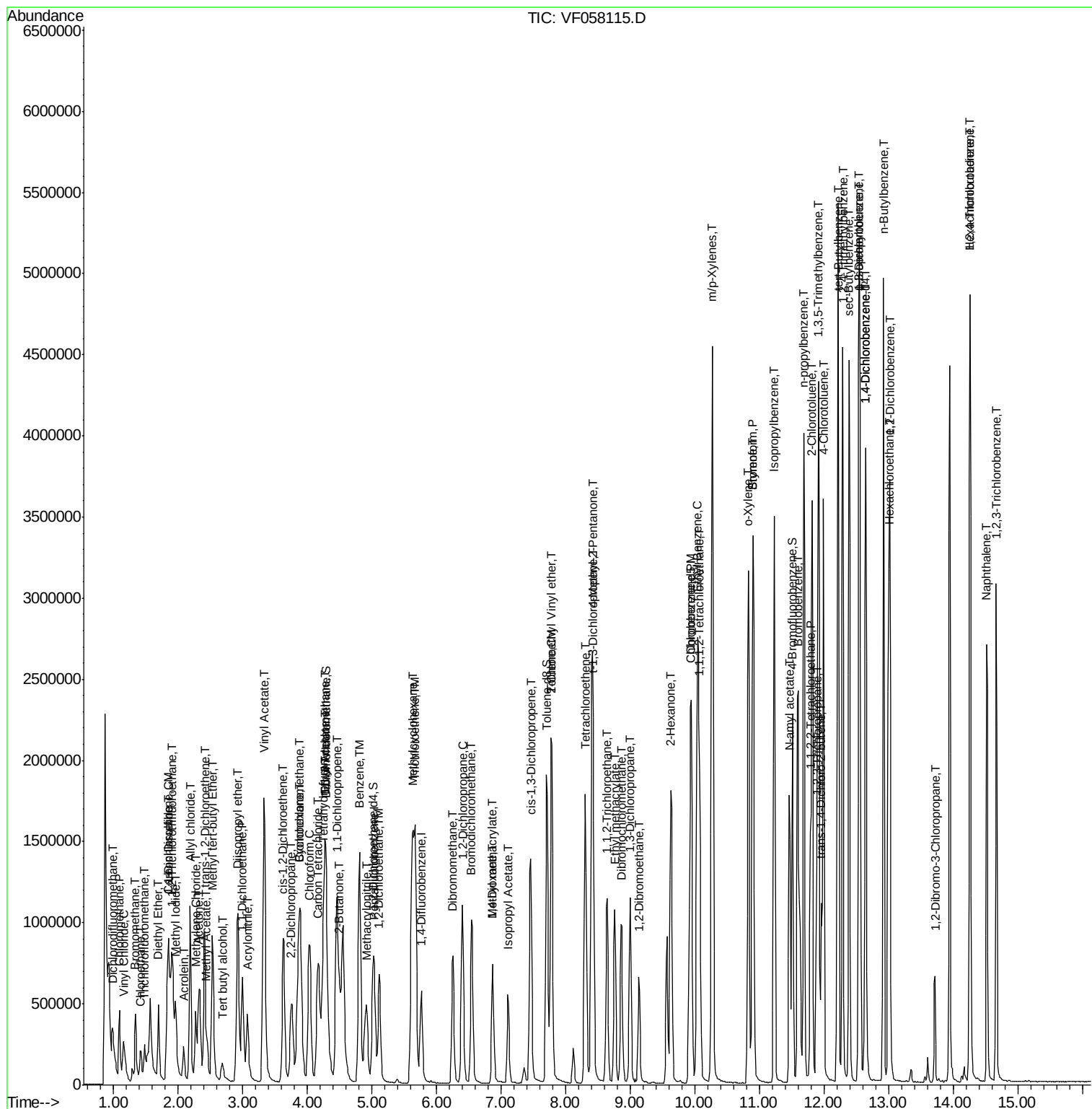
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Acq On       : 6 Jun 2018 19:05
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Sample       : VSTDICC150
Misc         : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial     : 9 Sample Multiplier: 1
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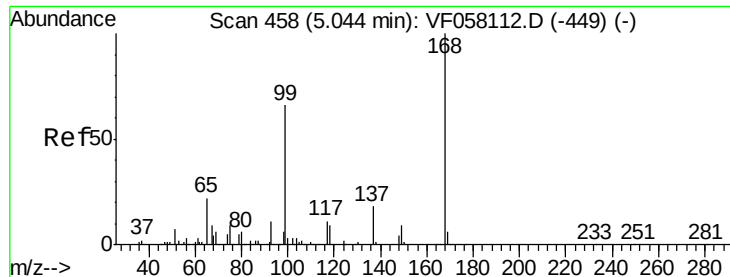
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Manual Integrations

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6/7/2018 12:39:16 PM

Quant Time: Jun 07 07:01:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 168 Resp: 348440

Ion Ratio Lower Upper

168 100

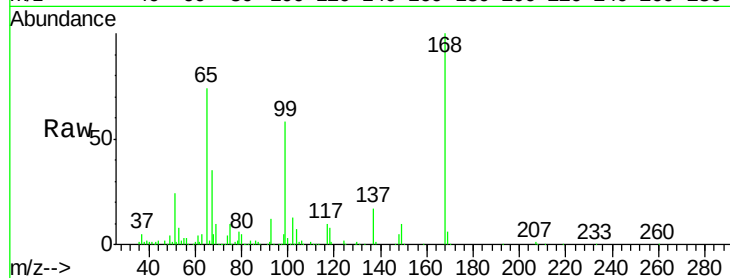
99 58.3 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

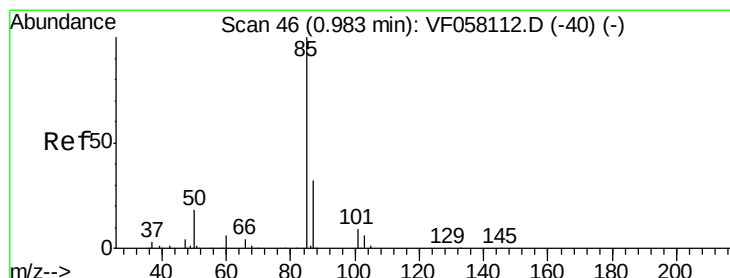
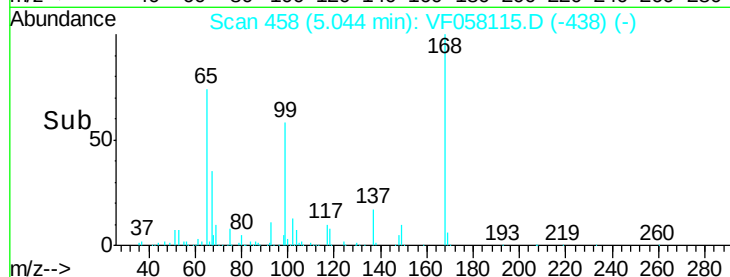
5.04

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 137.503 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF058115.D

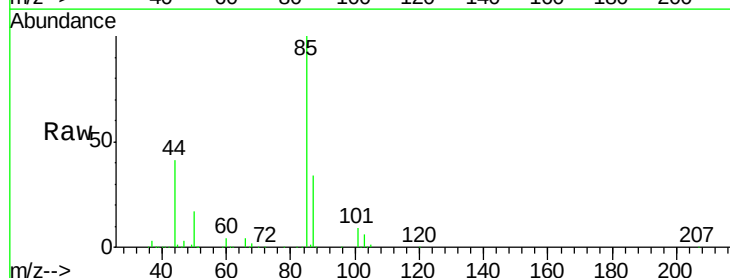
Acq: 6 Jun 2018 19:05

Tgt Ion: 85 Resp: 578606

Ion Ratio Lower Upper

85 100

87 34.1 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

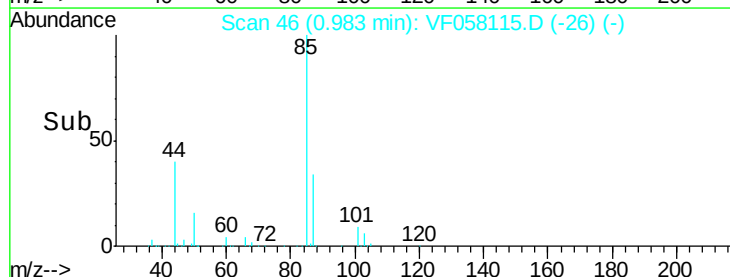
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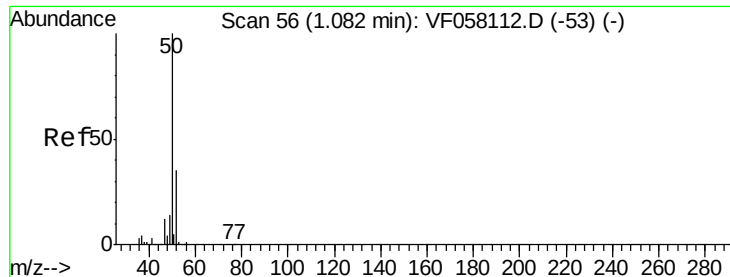
100000

50000

0

Time-->





#3

Chloromethane

Concen: 134.276 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 447662

Ion Ratio Lower Upper

50 100

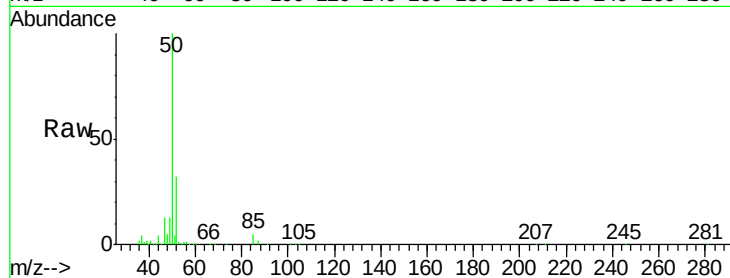
52 32.5 27.3 40.9

Manual Integrations

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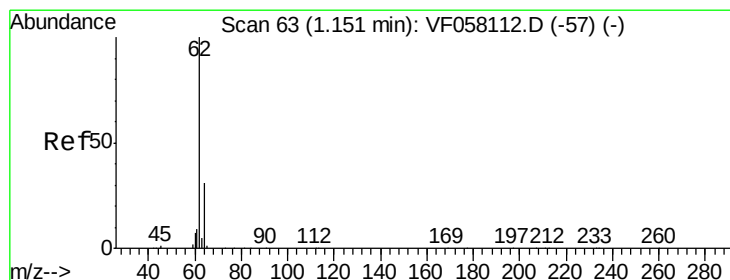
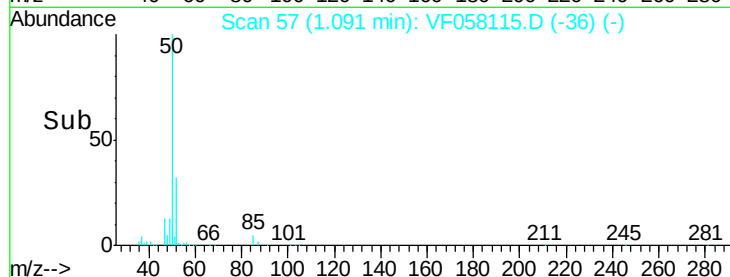
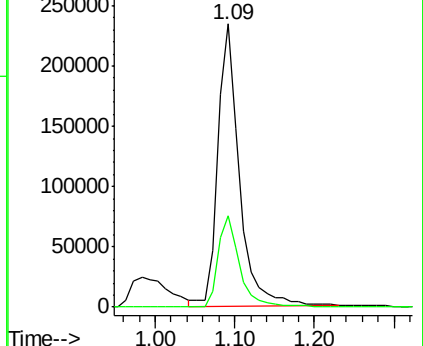
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 156.474 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF058115.D

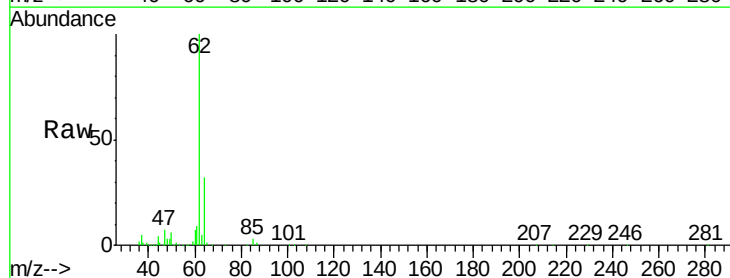
Acq: 6 Jun 2018 19:05

Tgt Ion: 62 Resp: 435534

Ion Ratio Lower Upper

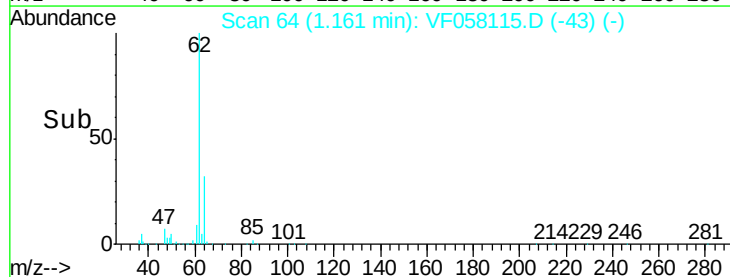
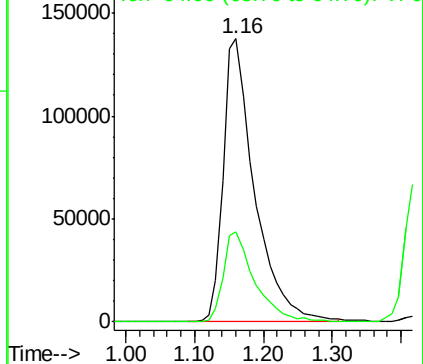
62 100

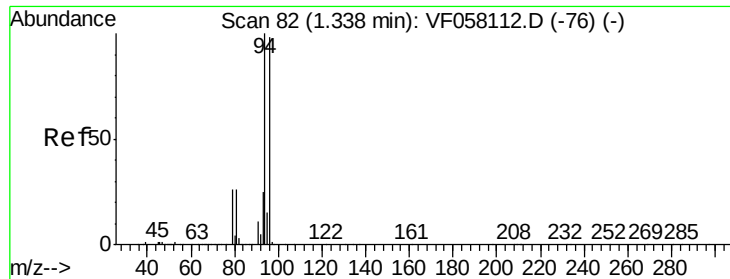
64 31.8 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 153.507 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 241937

Ion Ratio Lower Upper

94 100

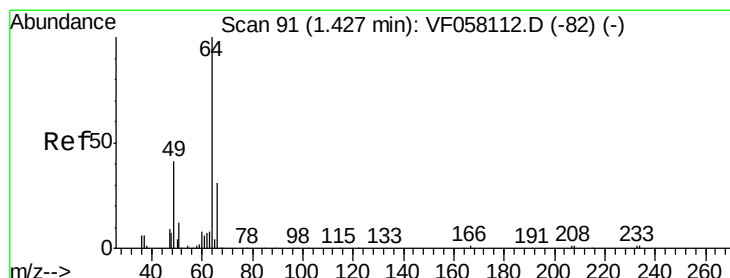
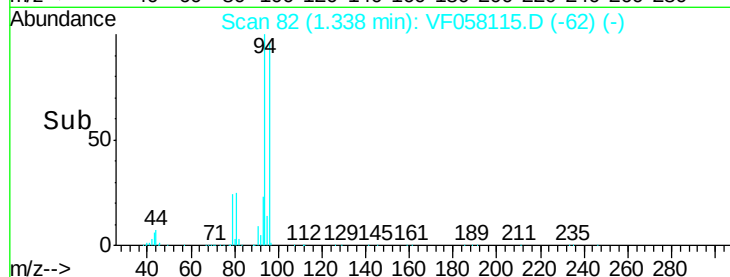
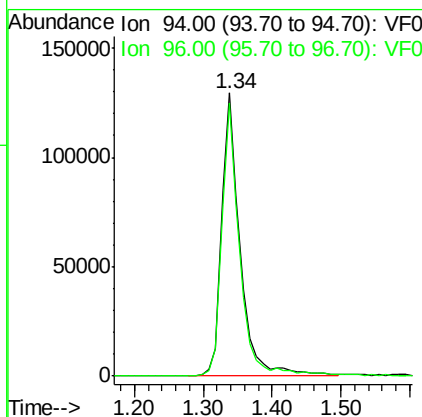
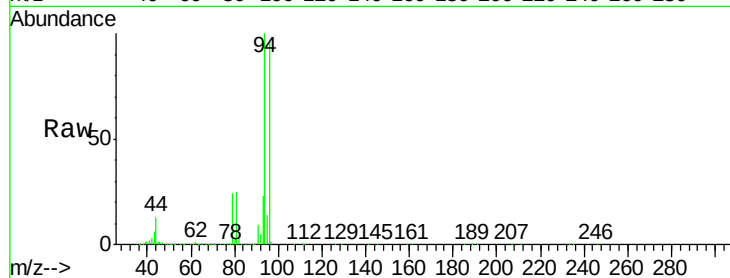
96 96.4 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 144.596 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF058115.D

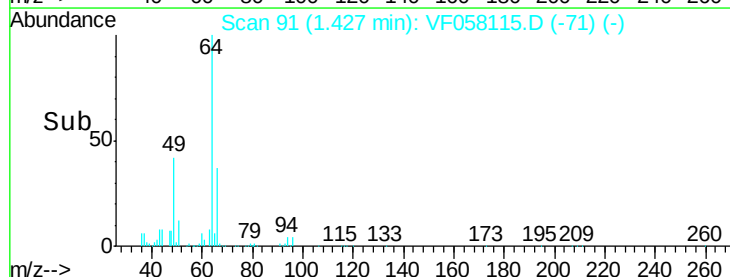
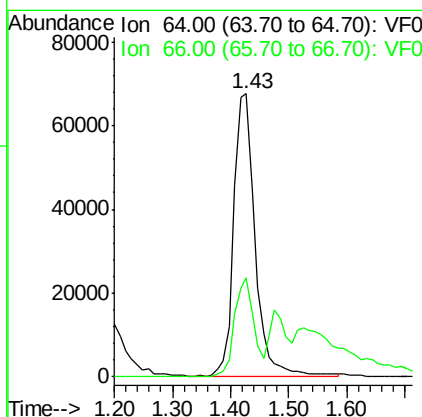
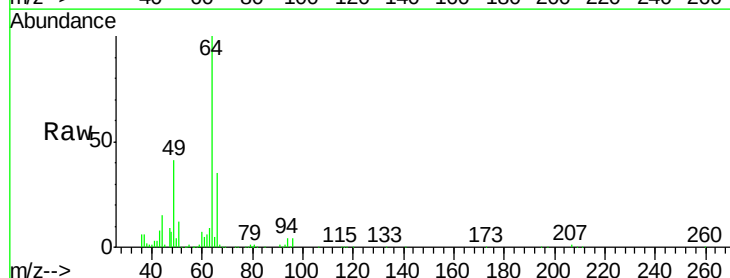
Acq: 6 Jun 2018 19:05

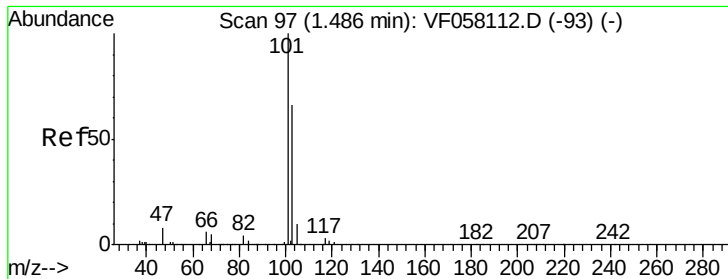
Tgt Ion: 64 Resp: 171445

Ion Ratio Lower Upper

64 100

66 34.8 24.9 37.3





#7

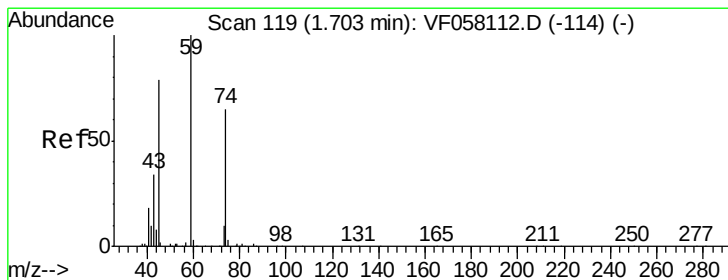
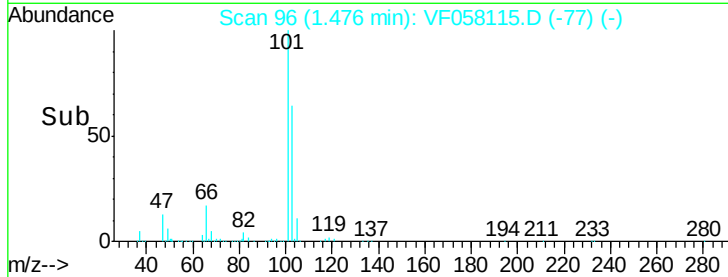
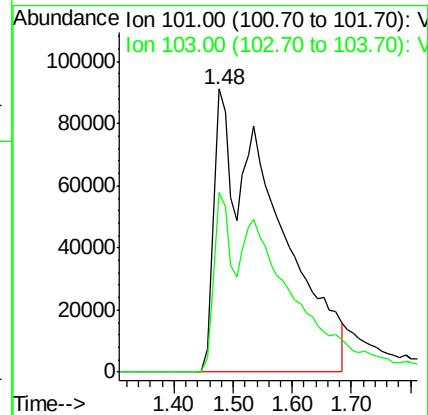
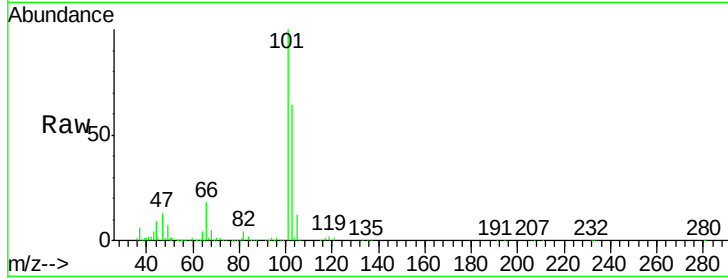
Trichlorofluoromethane
Concen: 152.540 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.4	80.2

Manual Integrations
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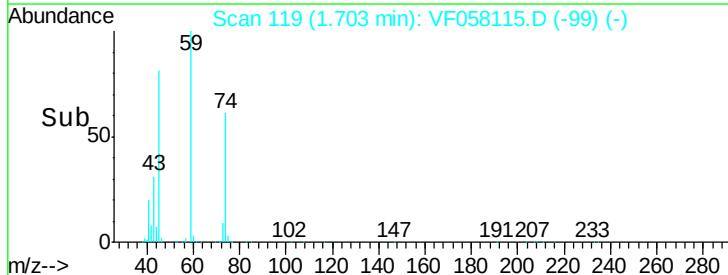
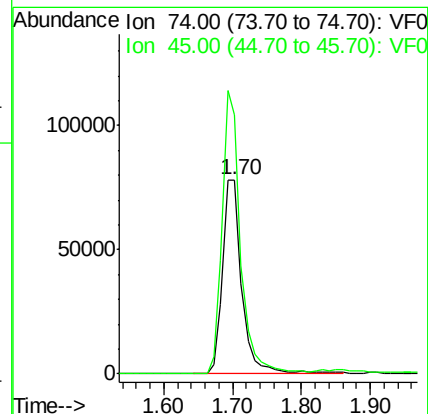
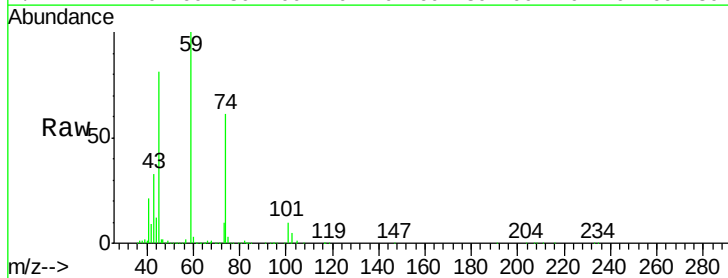
apatel
6/7/2018 12:39:16 PM

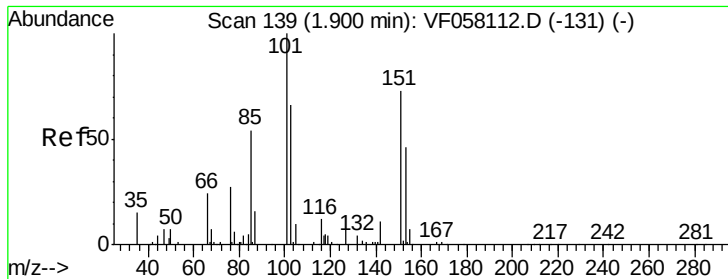


#8

Diethyl Ether
Concen: 148.668 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	133.3	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.567 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF058115.D

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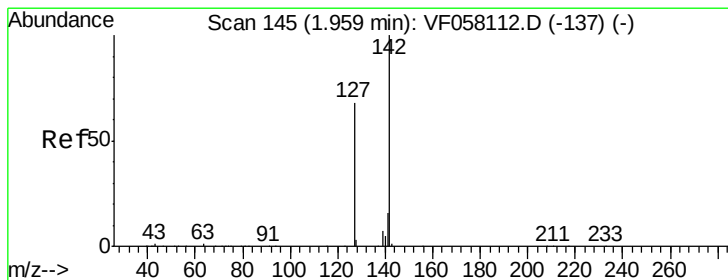
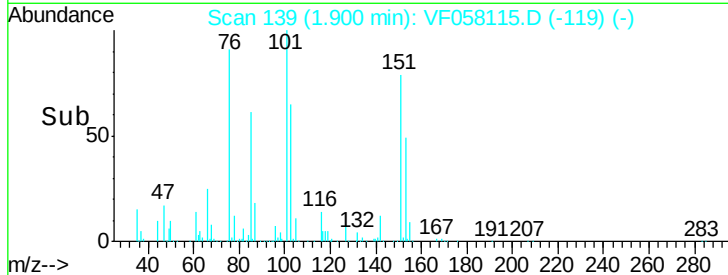
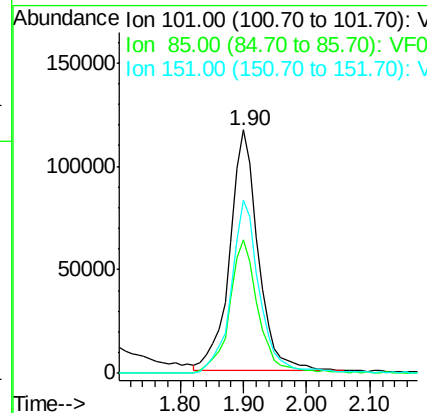
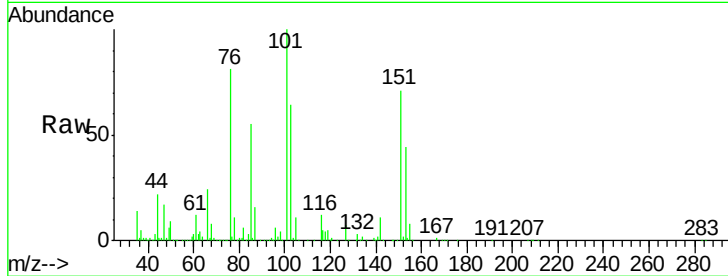
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	361073
Ion Ratio	Lower	Upper	
101	100		
85	54.6	42.2	63.4
151	70.9	56.8	85.2

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#10

Methyl Iodide

Concen: 146.187 ug/l

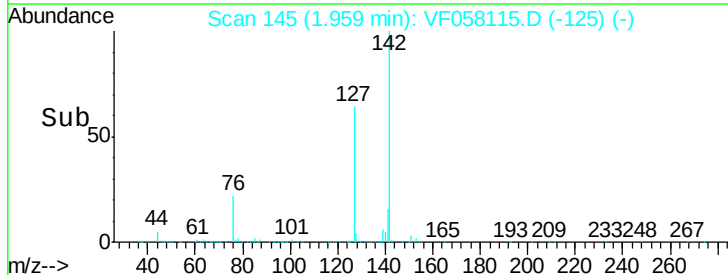
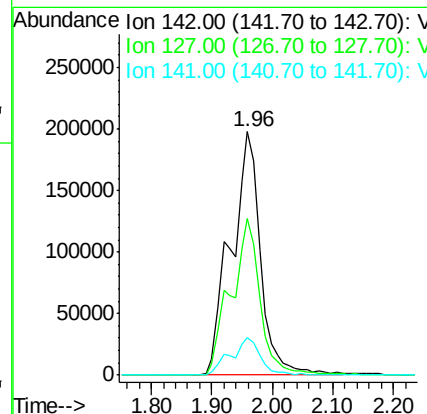
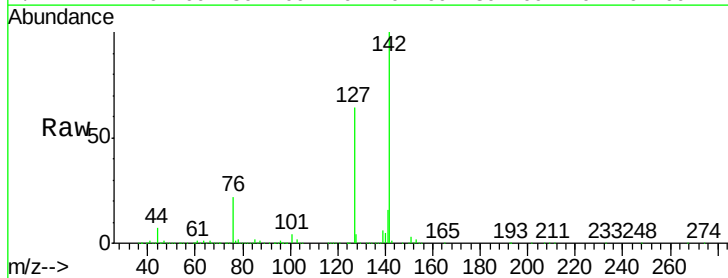
RT: 1.96 min Scan# 145

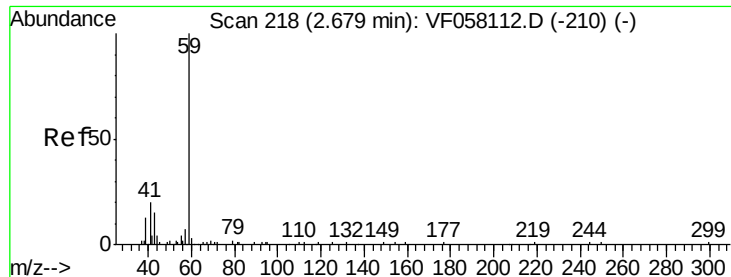
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	142	Resp:	677261
Ion Ratio	Lower	Upper	
142	100		
127	64.2	54.1	81.1
141	15.6	13.0	19.4





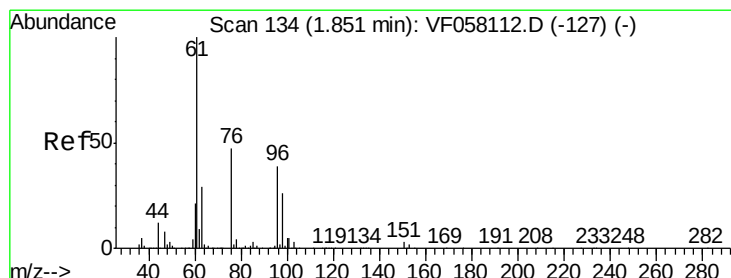
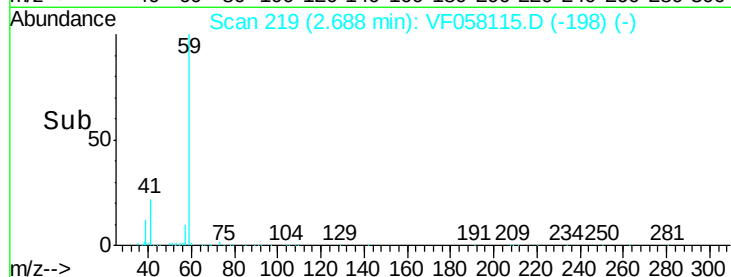
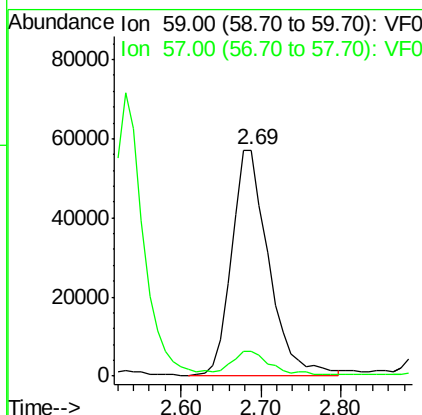
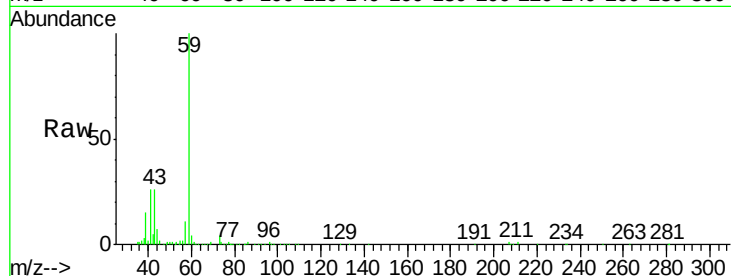
#11
Tert butyl alcohol
Concen: 742.004 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 183740
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

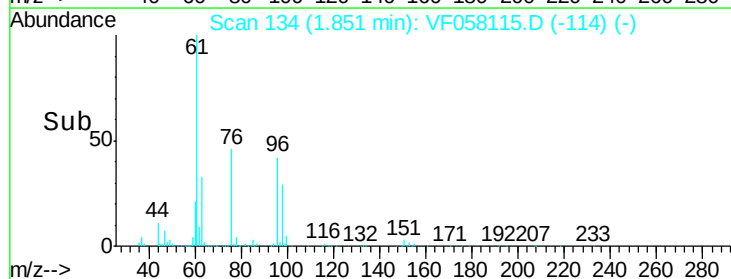
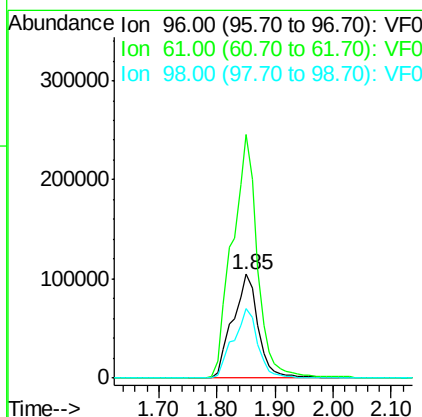
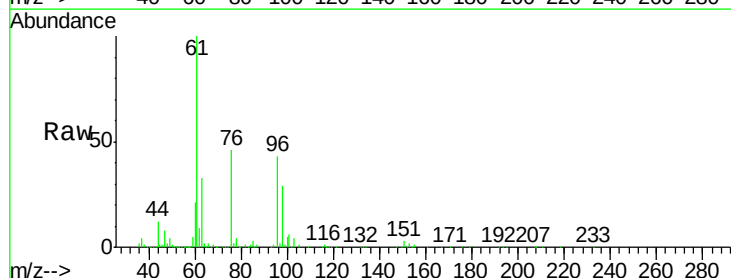
Manual Integrations
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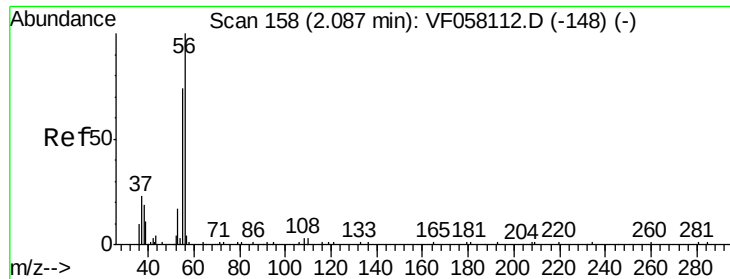
apatel
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#12
1,1-Dichloroethene
Concen: 140.930 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion: 96 Resp: 319533
Ion Ratio Lower Upper
96 100
61 235.0 203.0 304.4
98 67.6 52.7 79.1





#13

Acrolein

Concen: 1025.409 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 165176

Ion Ratio Lower Upper

56 100

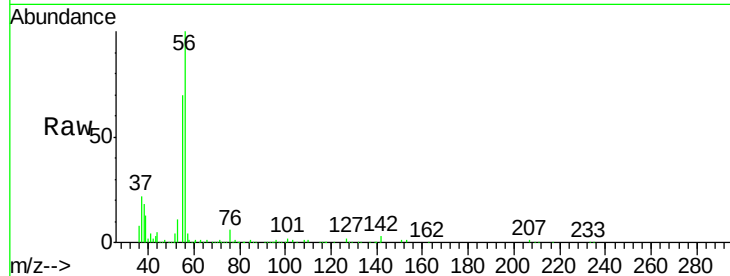
55 70.2 60.0 90.0

Manual Integrations

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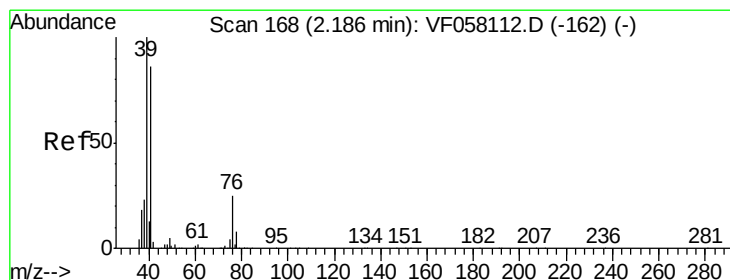
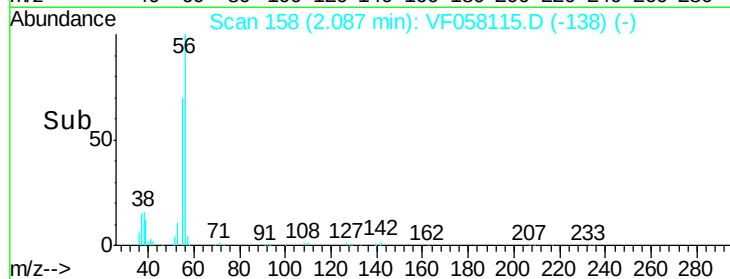
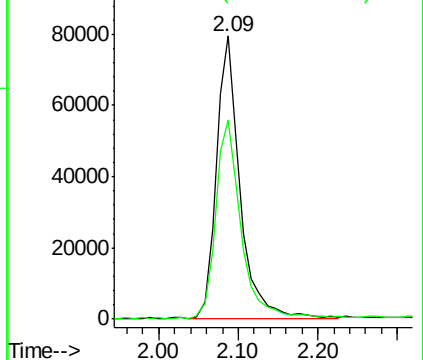
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 149.264 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

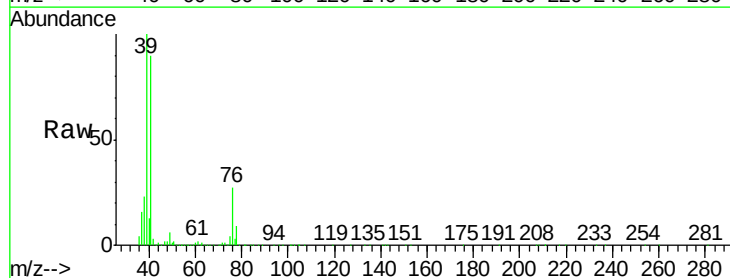
Tgt Ion: 41 Resp: 647026

Ion Ratio Lower Upper

41 100

39 111.4 93.5 140.3

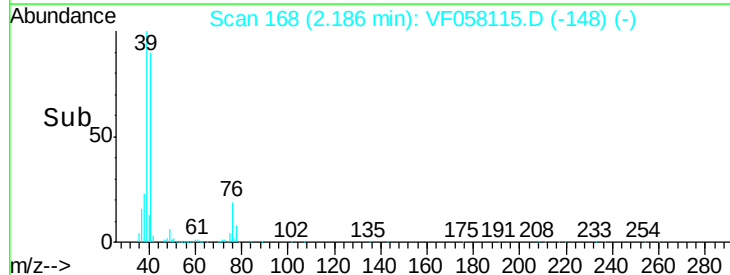
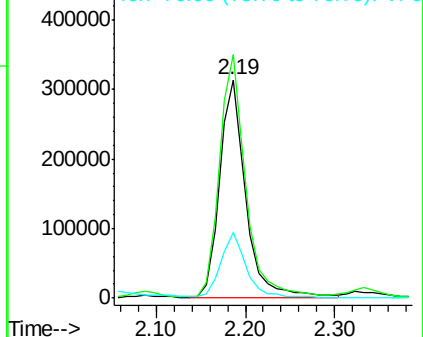
76 30.2 23.9 35.9

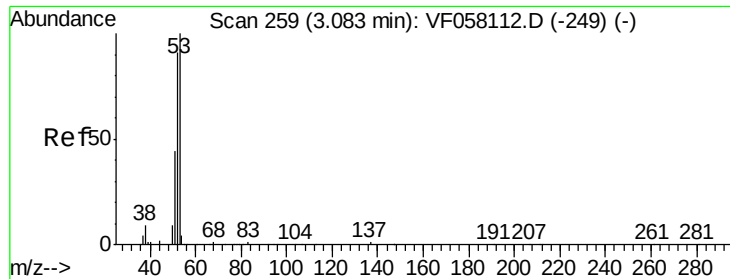


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 684.310 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

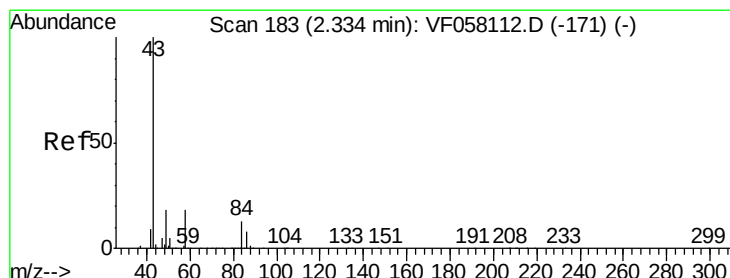
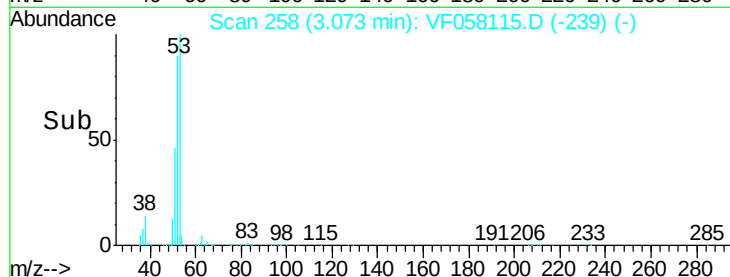
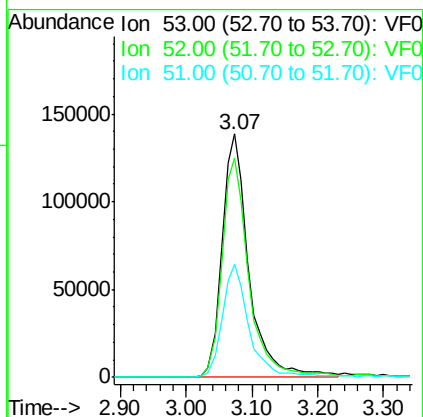
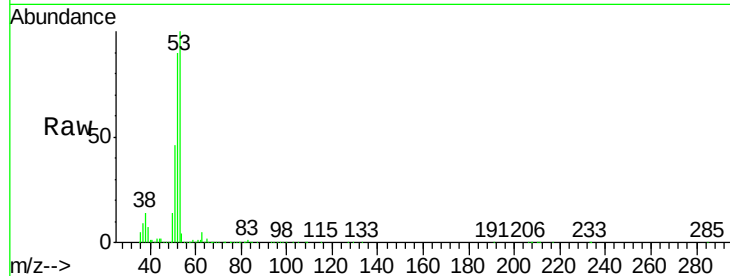
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	391739
Ion	Ratio	Lower	Upper
53	100		
52	89.9	73.2	109.8
51	46.5	35.6	53.4

Manual Integrations
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#16

Acetone

Concen: 753.943 ug/l

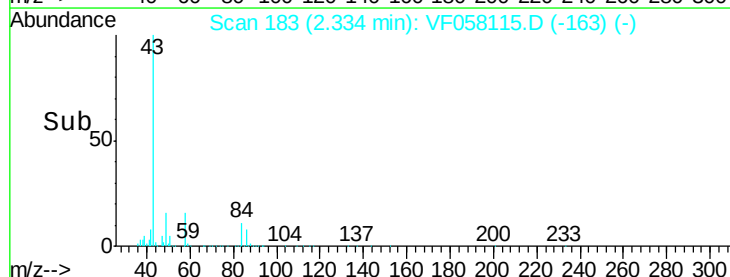
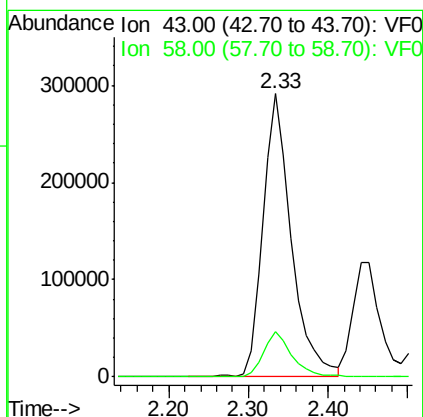
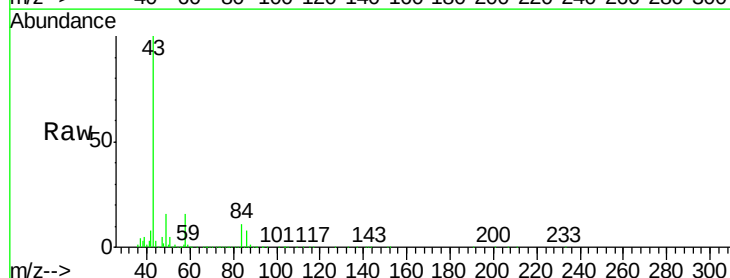
RT: 2.33 min Scan# 183

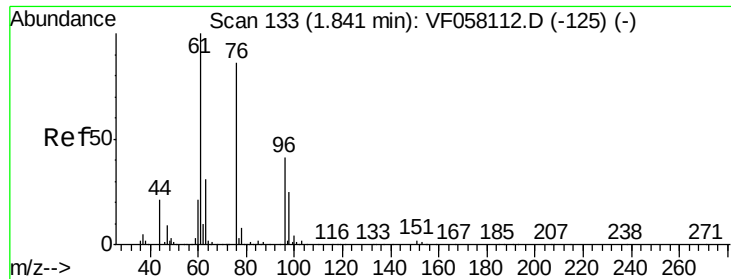
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	43	Resp:	714943
Ion	Ratio	Lower	Upper
43	100		
58	16.0	14.4	21.6





#17

Carbon Disulfide

Concen: 148.944 ug/l m

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 969118

Ion Ratio Lower Upper

76 100

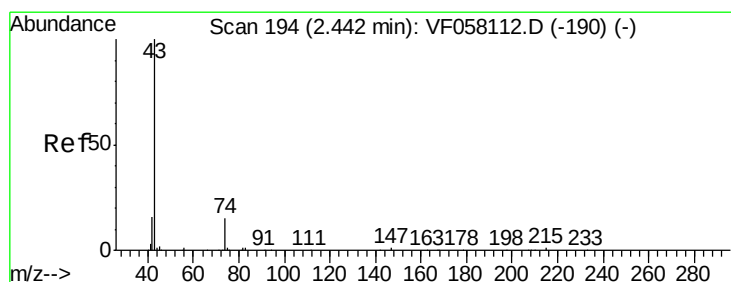
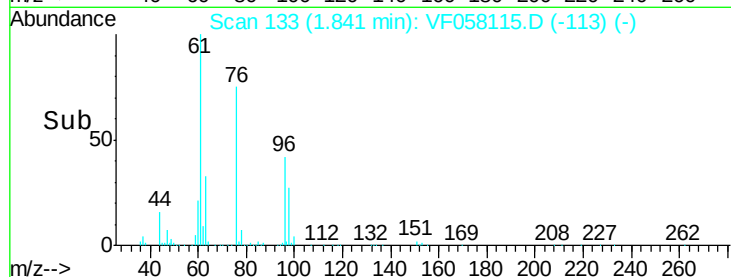
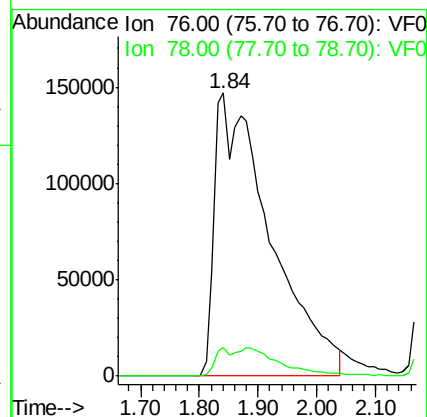
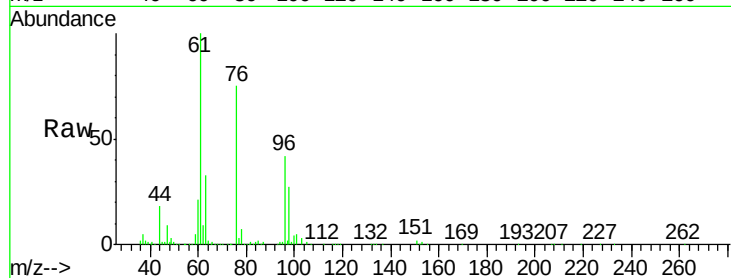
78 9.9 7.8 11.8

Manual Integrations

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#18

Methyl Acetate

Concen: 147.670 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF058115.D

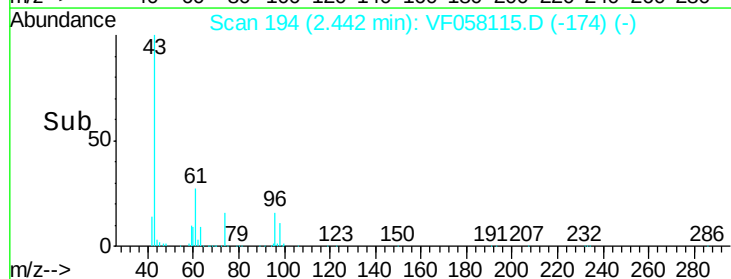
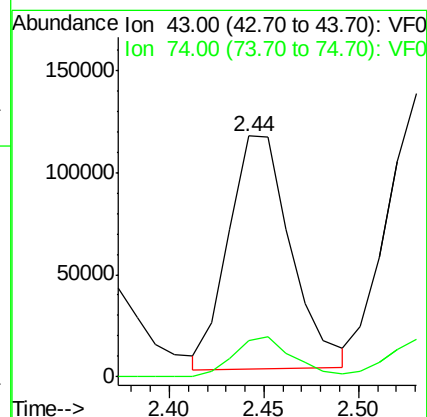
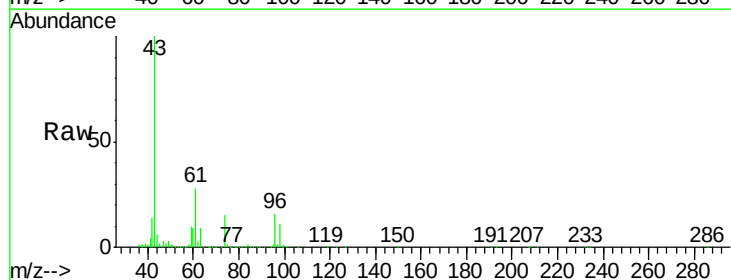
Acq: 6 Jun 2018 19:05

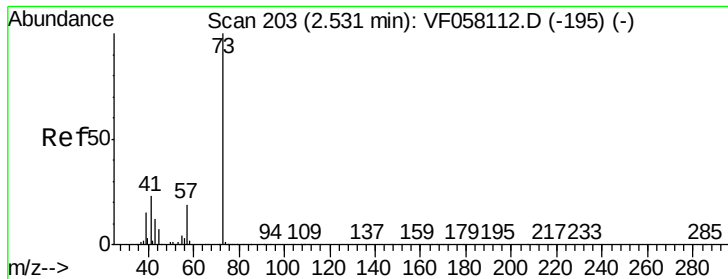
Tgt Ion: 43 Resp: 261145

Ion Ratio Lower Upper

43 100

74 15.4 10.9 16.3





#19

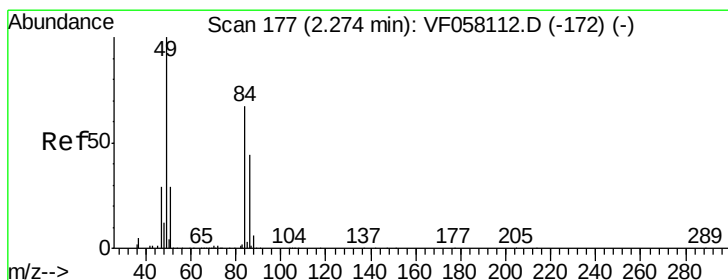
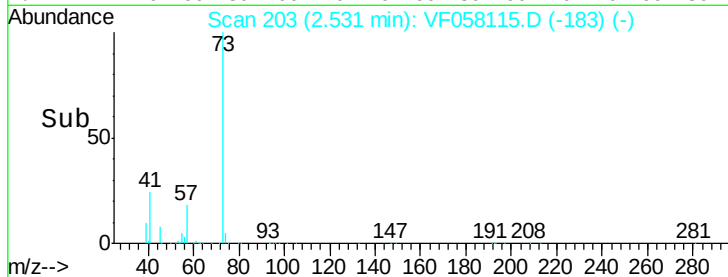
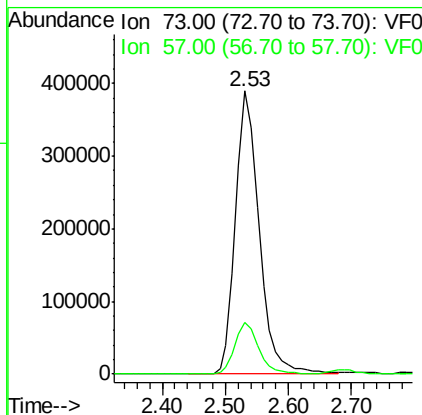
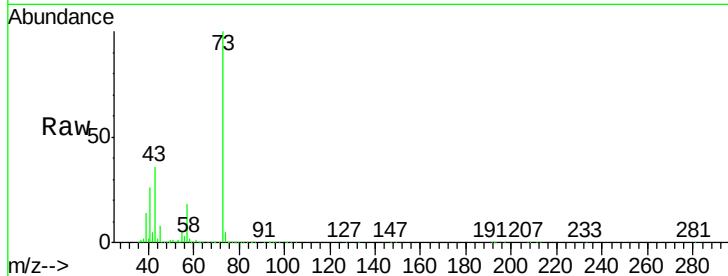
Methyl tert-butyl Ether
Concen: 142.911 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 1014731
Ion Ratio Lower Upper
73 100
57 18.4 15.0 22.4

Manual Integrations
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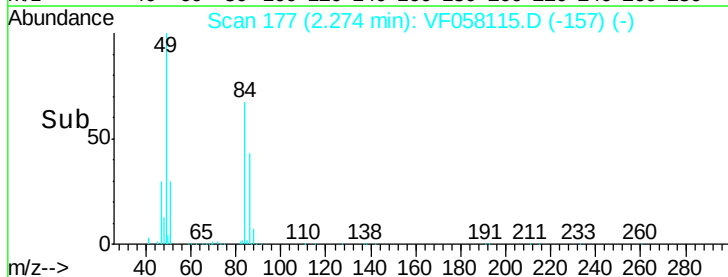
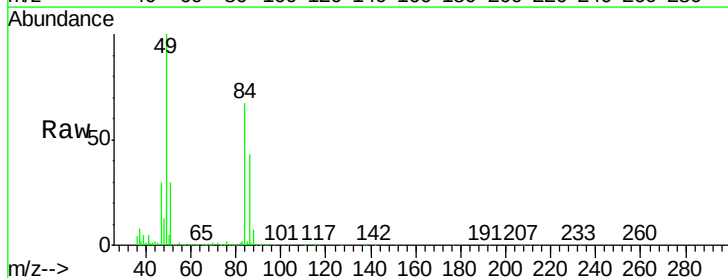
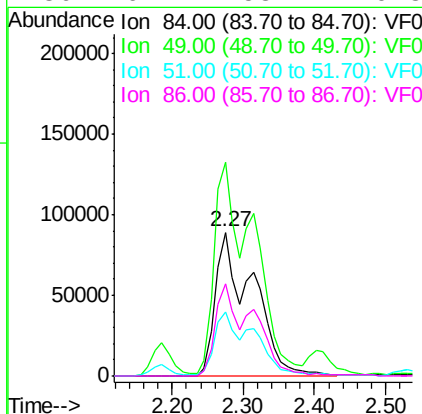
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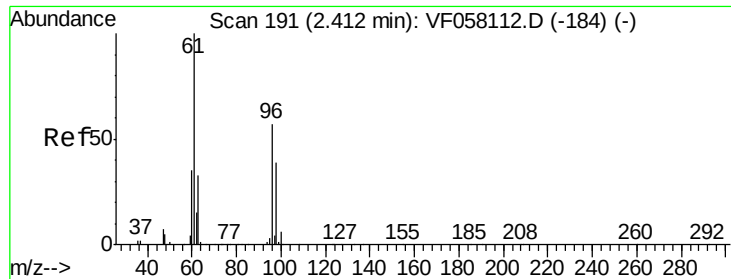


#20

Methylene Chloride
Concen: 140.753 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion: 84 Resp: 326770
Ion Ratio Lower Upper
84 100
49 148.9 121.0 181.4
51 44.2 35.8 53.6
86 64.7 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 145.264 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

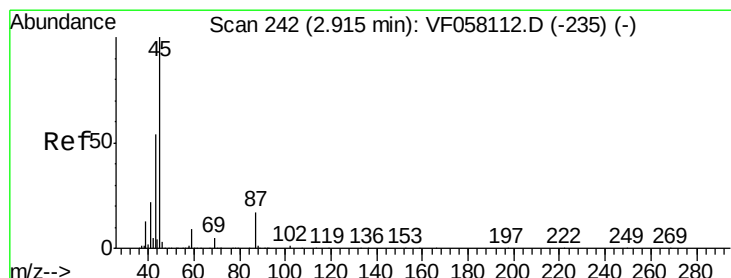
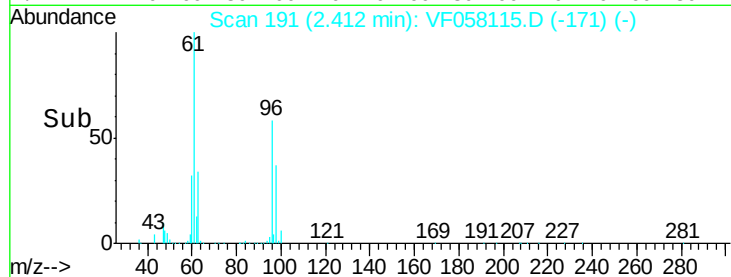
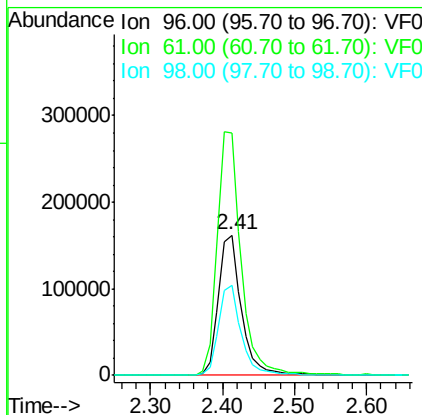
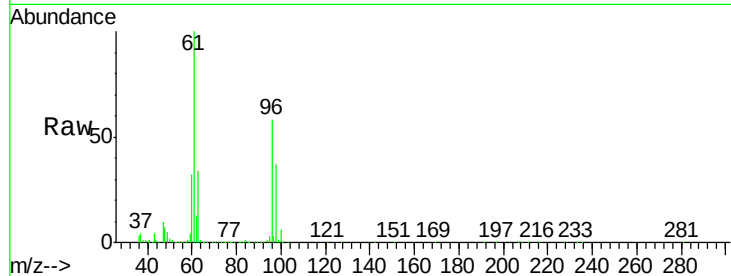
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	35538
Ion	Ratio	Lower	Upper
96	100		
61	173.2	139.4	209.2
98	64.6	54.0	81.0

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#22

Diisopropyl ether

Concen: 151.428 ug/l

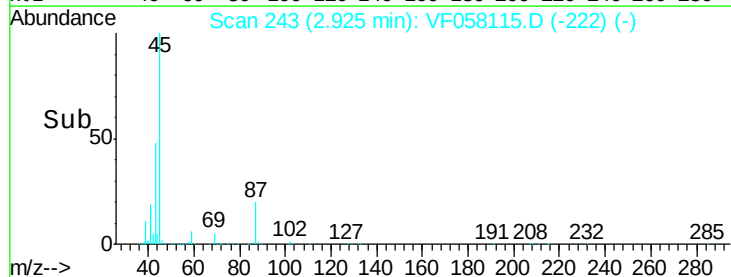
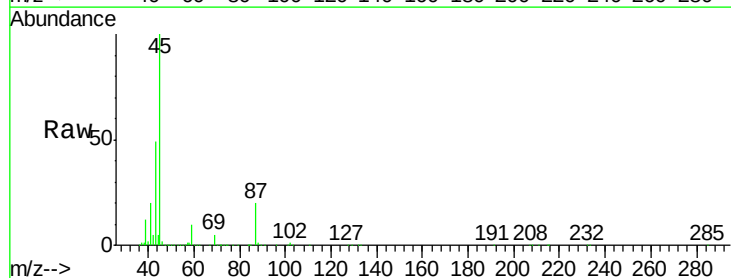
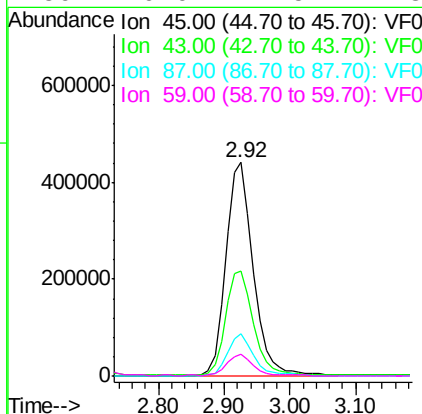
RT: 2.92 min Scan# 243

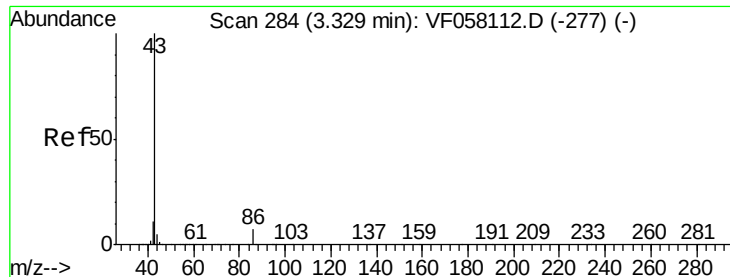
Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	45	Resp:	1284940
Ion	Ratio	Lower	Upper
45	100		
43	49.0	43.2	64.8
87	19.7	13.8	20.6
59	10.0	7.5	11.3





#23

Vinyl Acetate

Concen: 639.066 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3973206

Ion Ratio Lower Upper

43 100

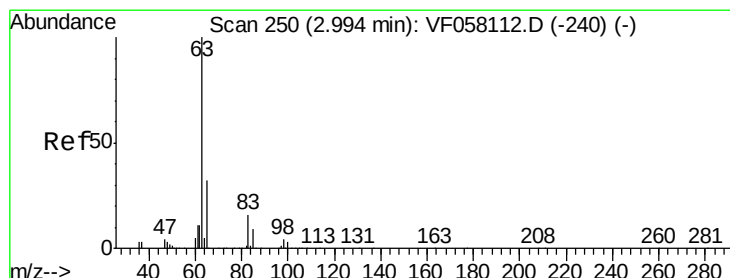
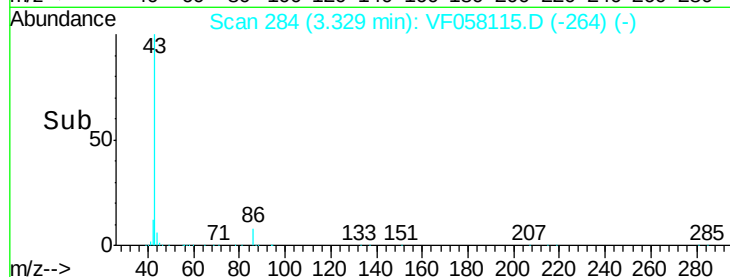
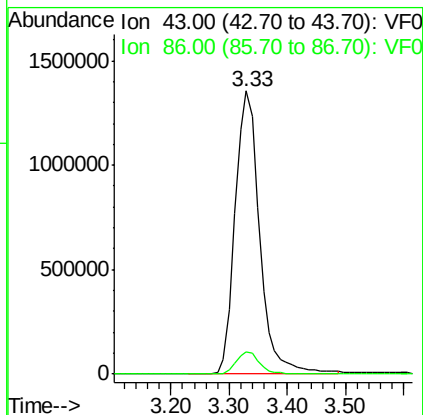
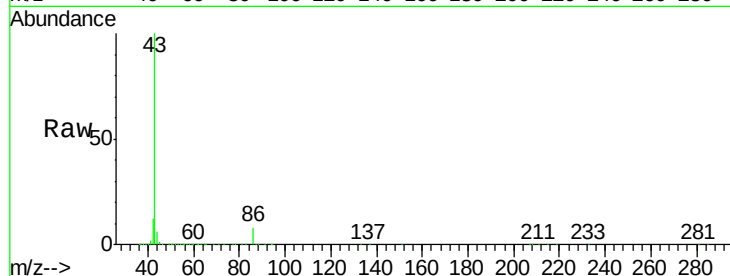
86 7.7 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 145.453 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

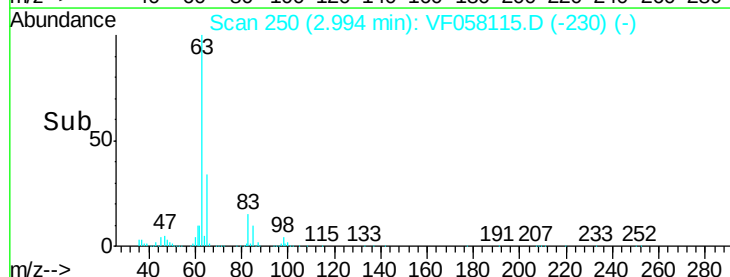
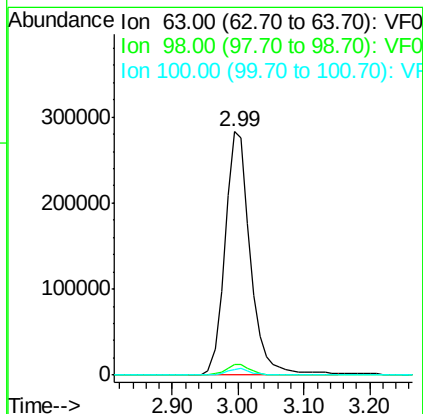
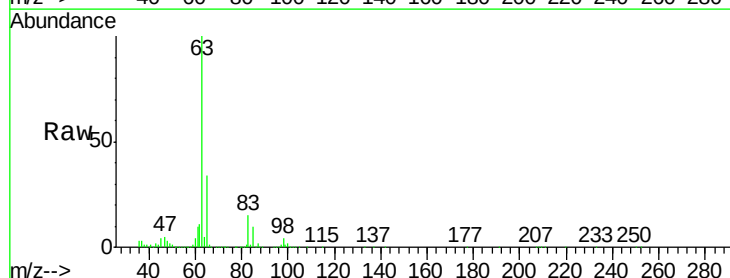
Tgt Ion: 63 Resp: 764536

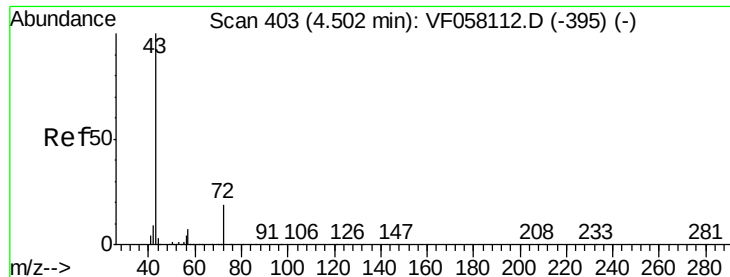
Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 2.4 1.4 4.0





#25

2-Butanone

Concen: 712.309 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1095702

Ion Ratio Lower Upper

43 100

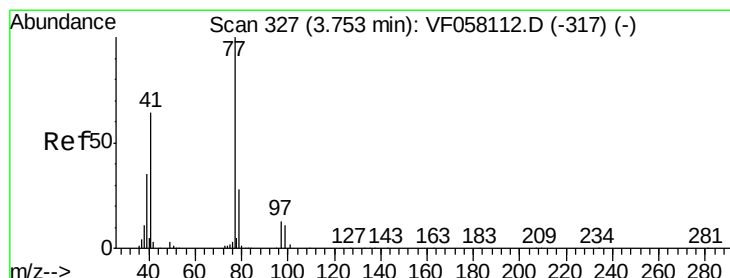
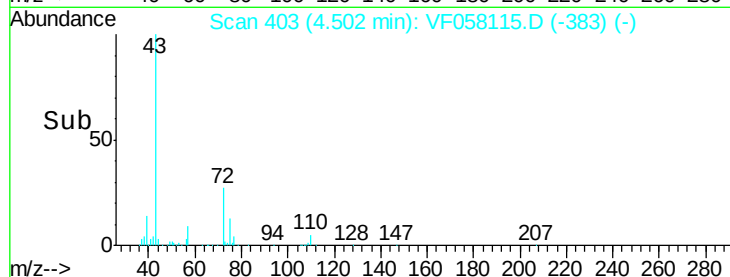
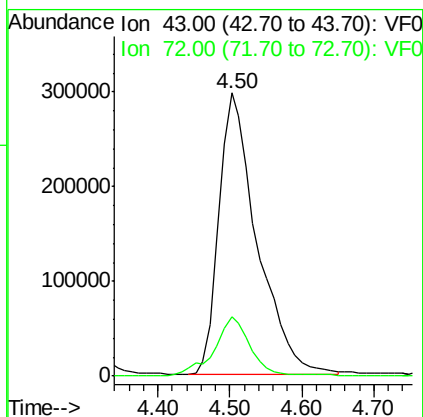
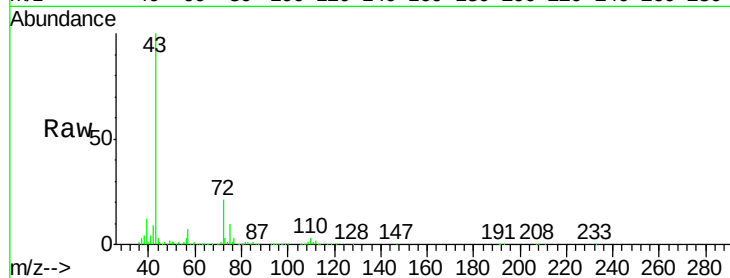
72 21.1 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 135.497 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF058115.D

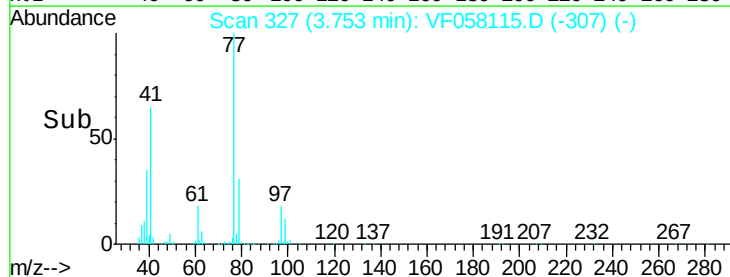
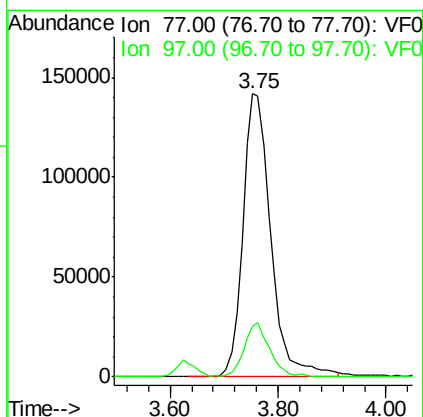
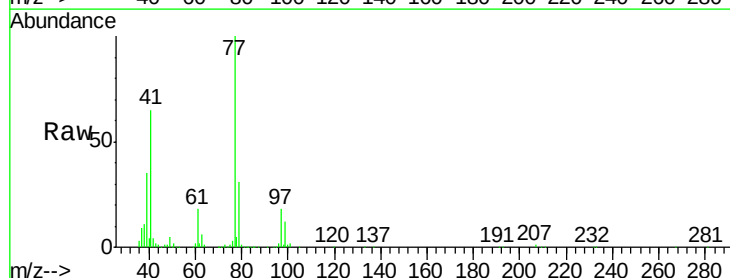
Acq: 6 Jun 2018 19:05

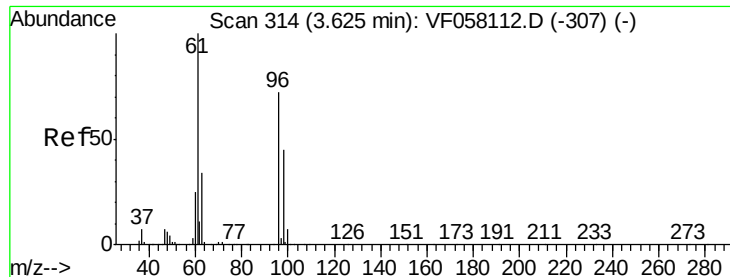
Tgt Ion: 77 Resp: 503344

Ion Ratio Lower Upper

77 100

97 17.8 7.2 21.6





#27

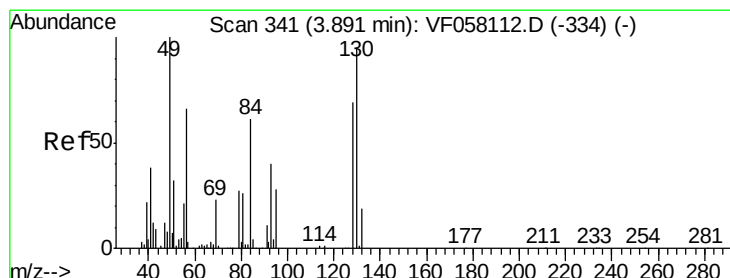
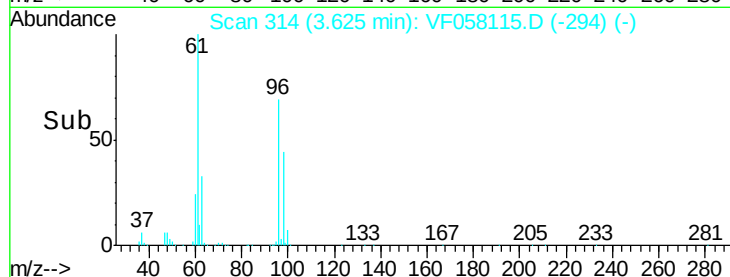
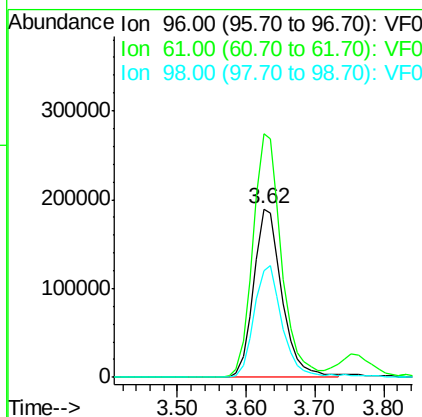
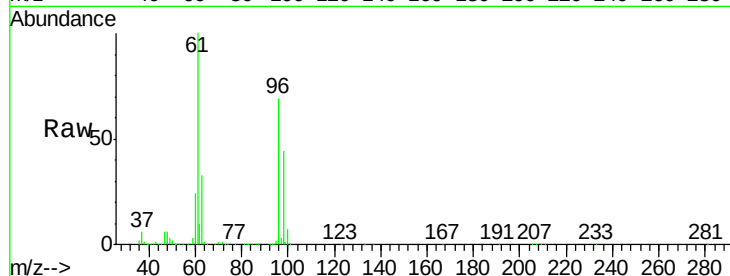
cis-1,2-Dichloroethene
Concen: 133.672 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	144.6	0.0	278.6
98	63.2	0.0	125.2

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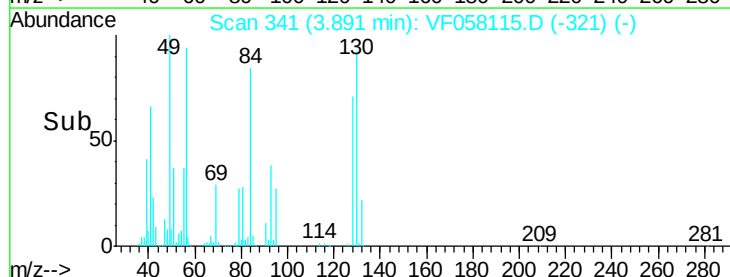
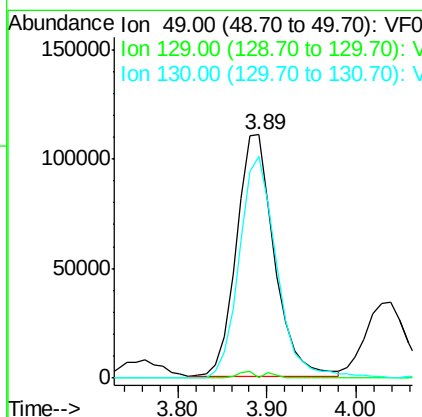
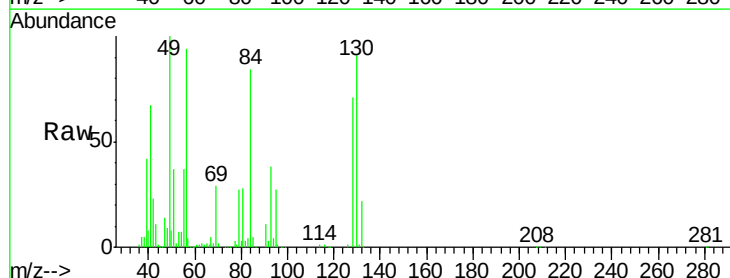
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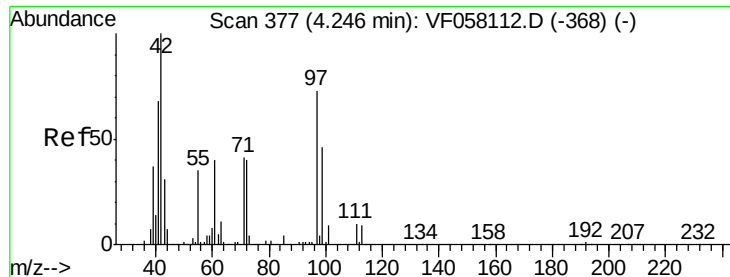


#28

Bromochloromethane
Concen: 139.286 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	0.0	0.0	0.0
130	91.4	75.8	113.8





#29

Tetrahydrofuran

Concen: 690.388 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

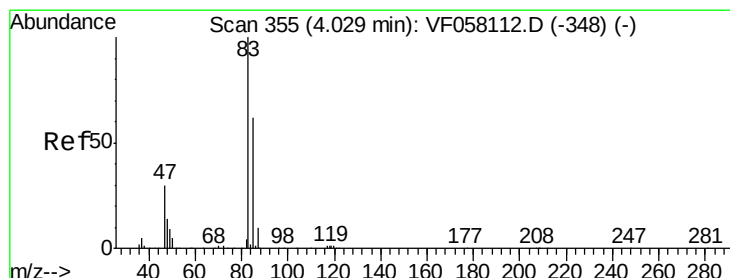
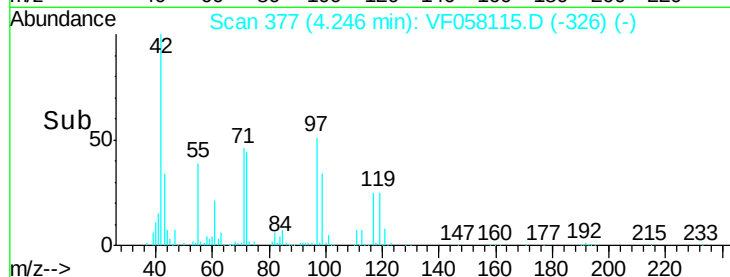
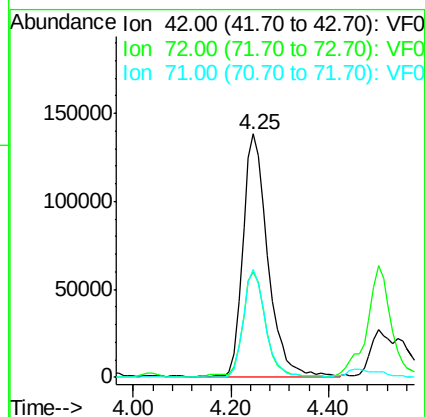
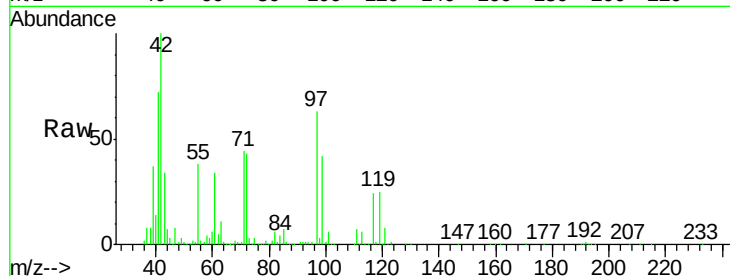
ClientSampleId :

VSTDIC150

Tgt Ion:	42	Resp:	490201
Ion Ratio		Lower	Upper
42	100		
72	40.4	30.5	45.7
71	39.5	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 135.232 ug/l

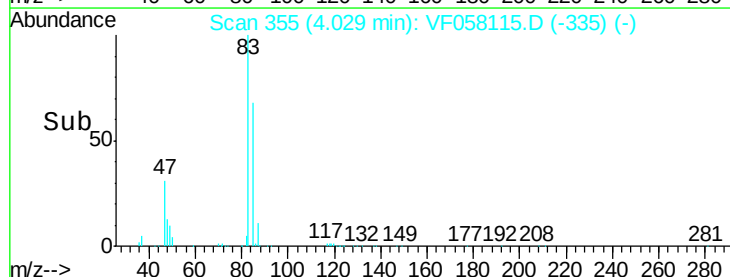
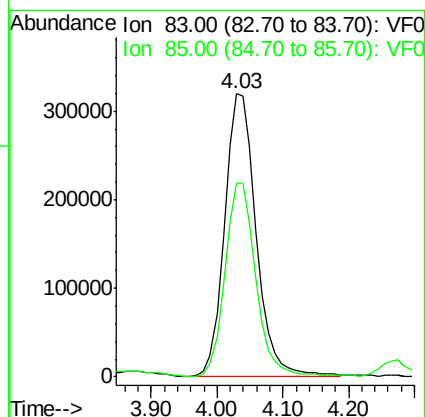
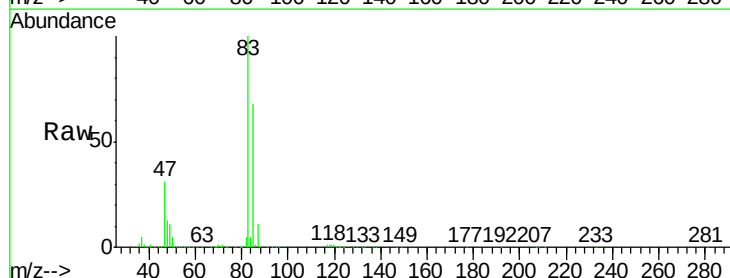
RT: 4.03 min Scan# 355

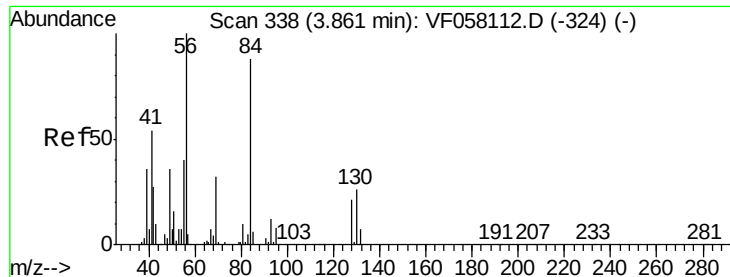
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	83	Resp:	1066323
Ion Ratio		Lower	Upper
83	100		
85	68.3	49.5	74.3





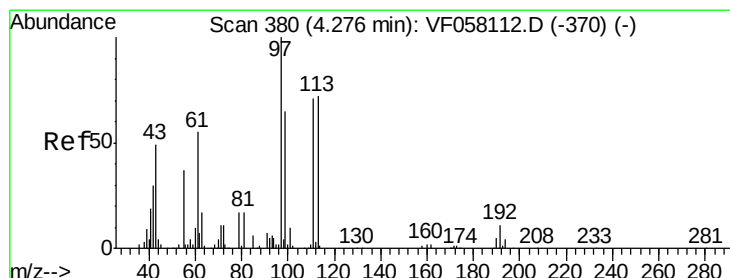
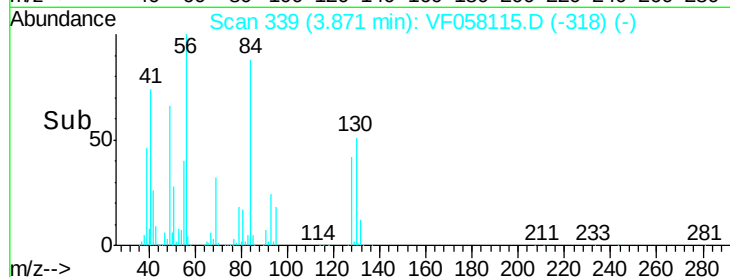
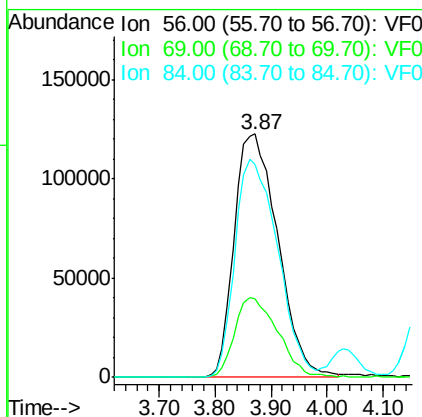
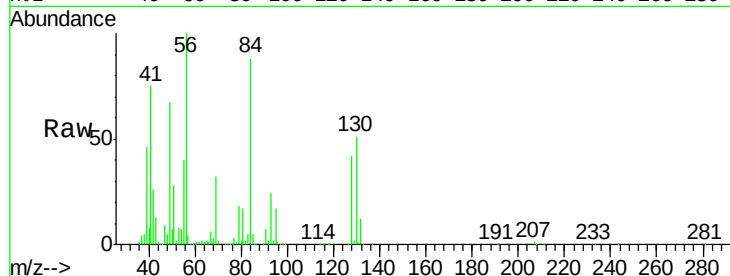
#31
Cyclohexane
Concen: 133.540 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	87.6	70.3	105.5

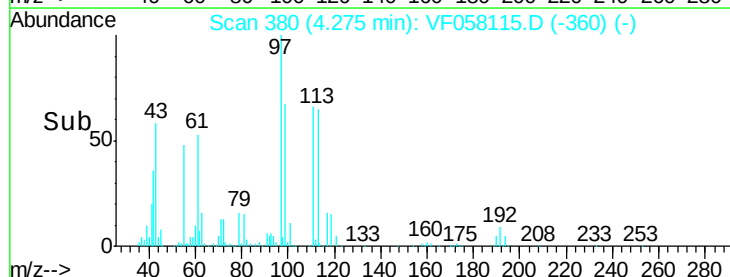
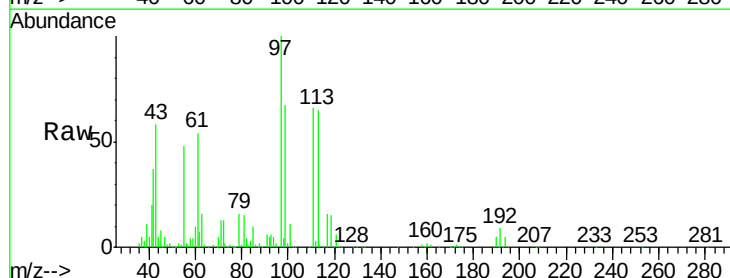
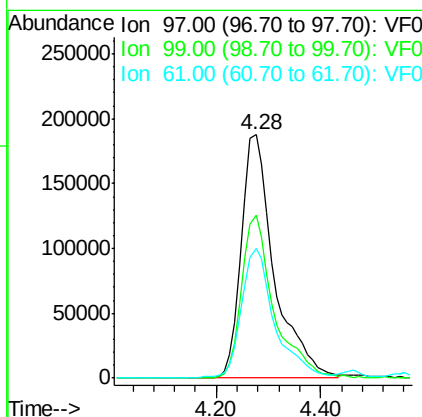
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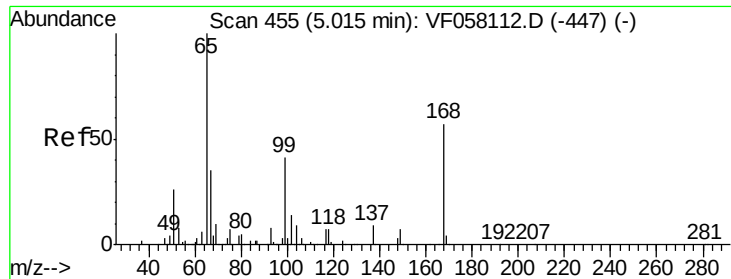
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#32
1,1,1-Trichloroethane
Concen: 143.447 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.0	78.0
61	53.5	44.3	66.5





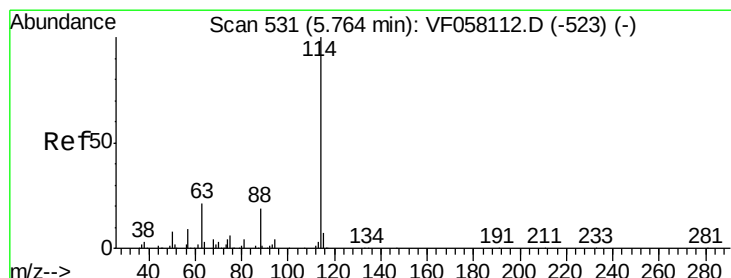
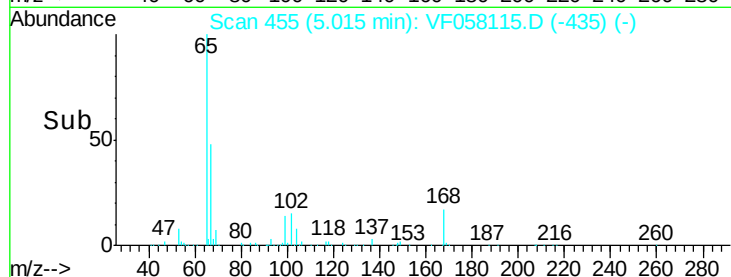
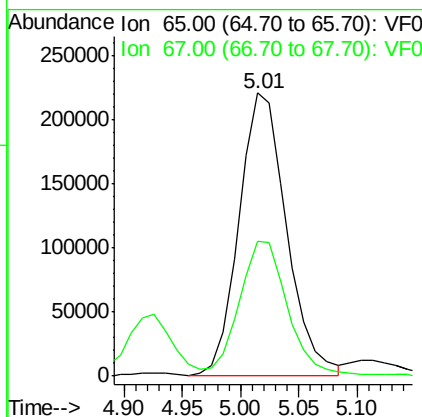
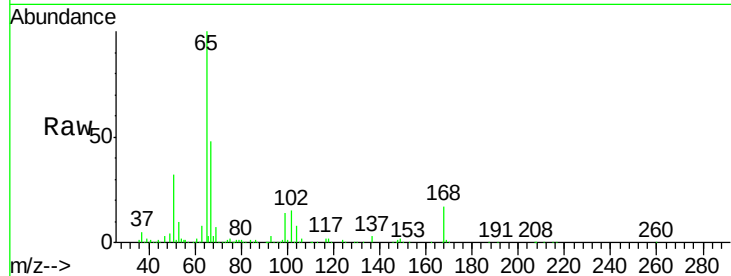
#33
 1,2-Dichloroethane-d4
 Concen: 143.826 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	622977		
67	47.7	0.0	97.0	

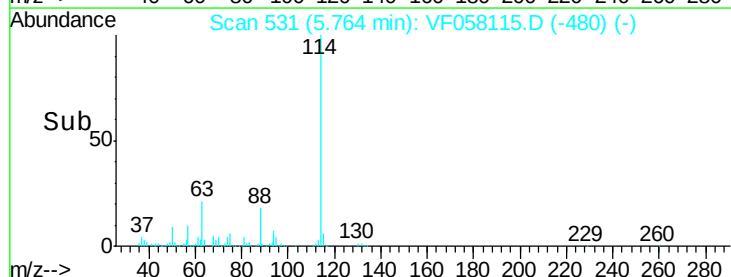
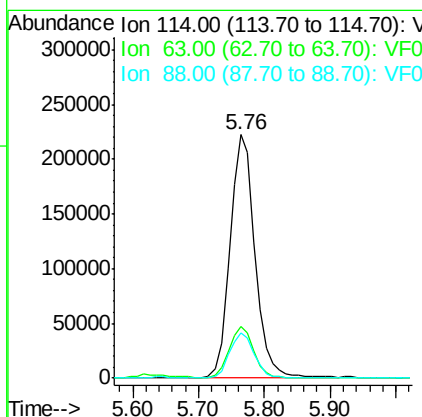
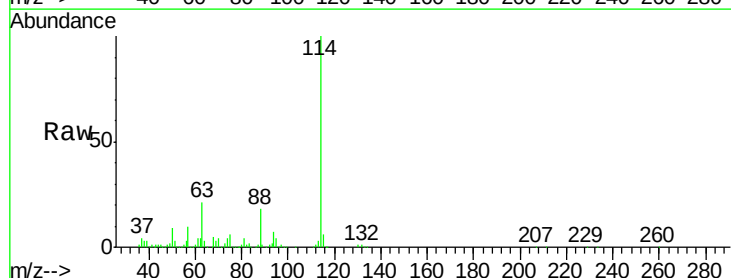
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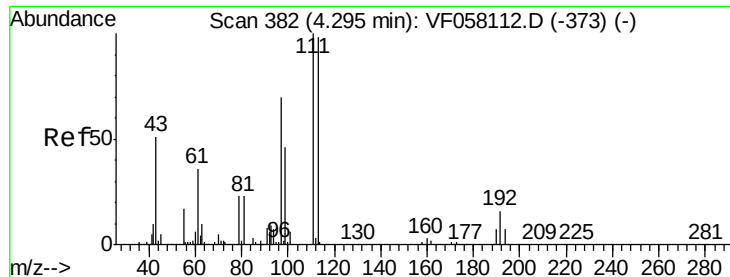
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	591441		
63	21.0	0.0	41.6	
88	18.4	0.0	38.8	





#35

Dibromofluoromethane

Concen: 130.443 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

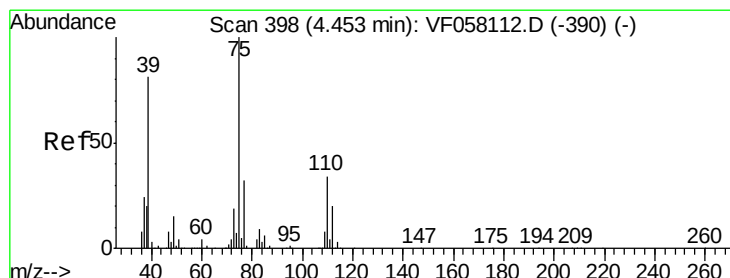
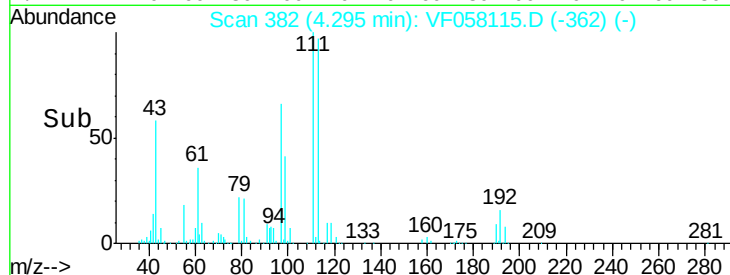
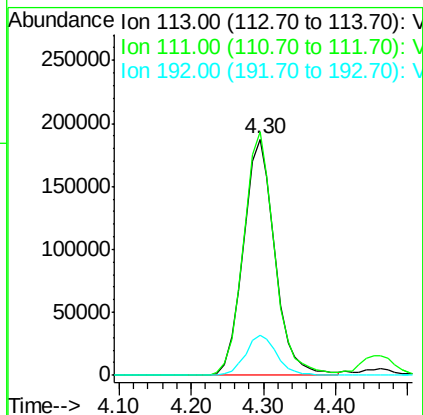
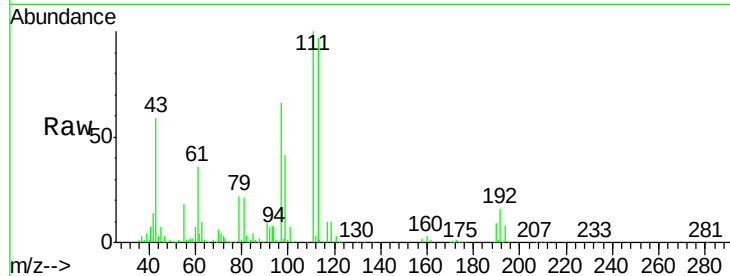
ClientSampleId :

VSTDIC150

Tgt Ion:	113	Resp:	572198
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.3	121.9
192	17.0	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 132.652 ug/l

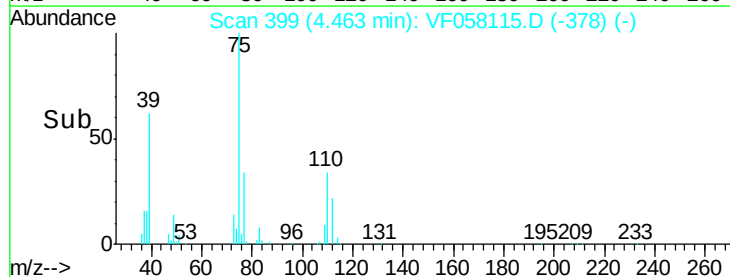
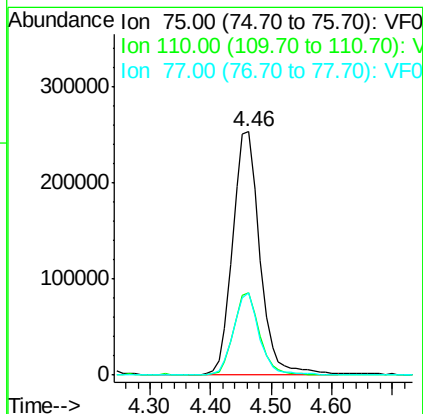
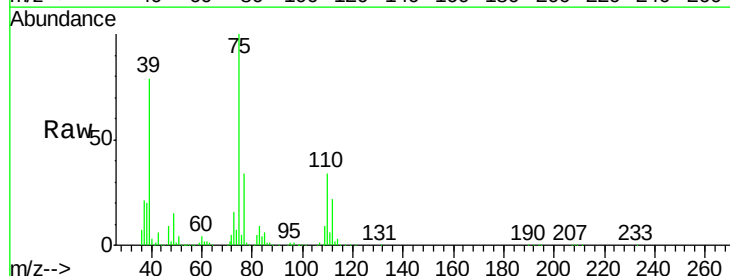
RT: 4.46 min Scan# 399

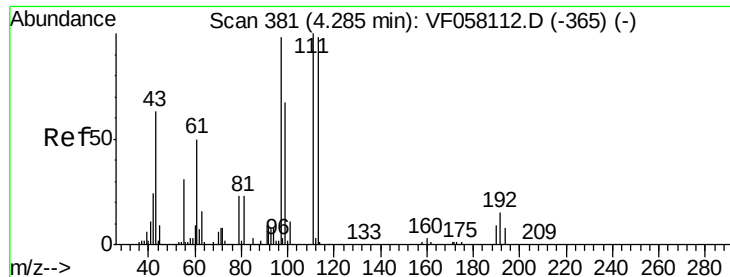
Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	75	Resp:	793490
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.0	50.9
77	34.1	25.3	37.9





#37

Ethyl Acetate

Concen: 136.710 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

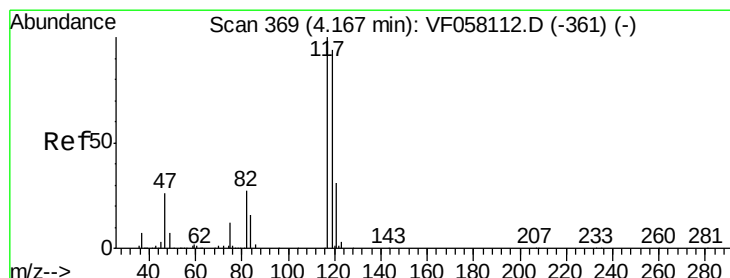
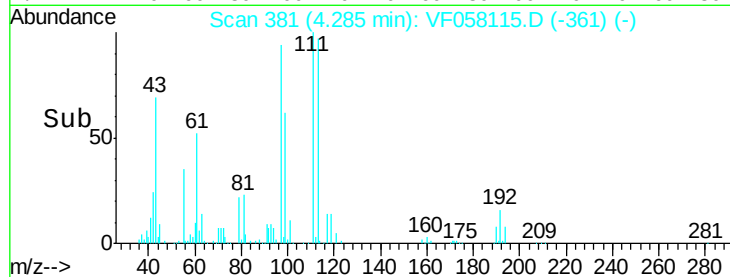
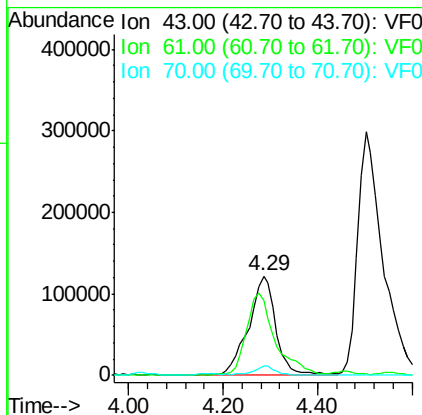
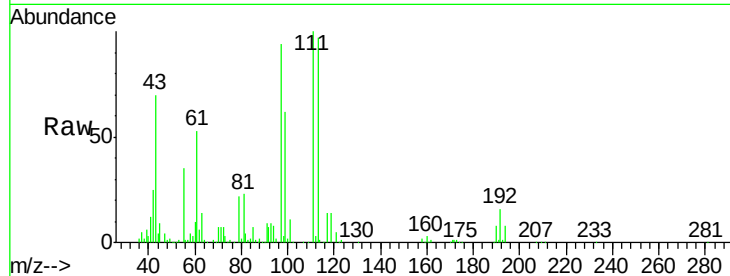
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	482197
Ion	Ratio	Lower	Upper
43	100		
61	75.5	63.0	94.4
70	9.9	7.5	11.3

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#38

Carbon Tetrachloride

Concen: 135.875 ug/l m

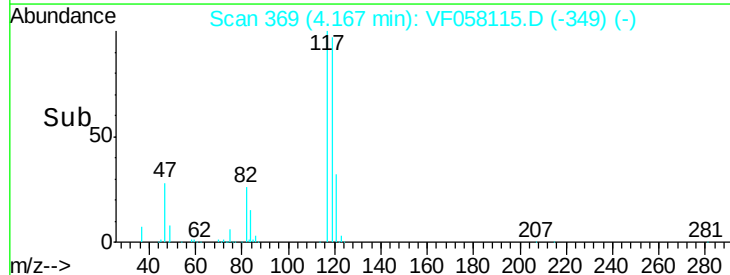
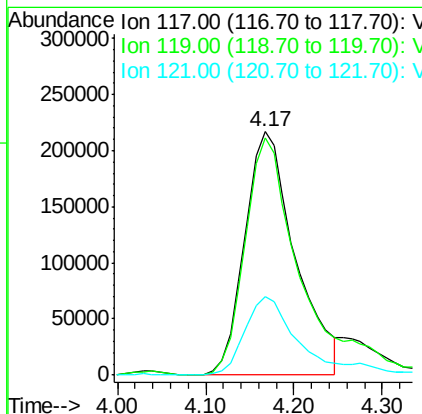
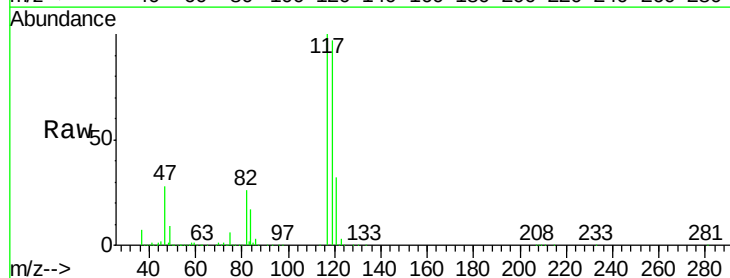
RT: 4.17 min Scan# 369

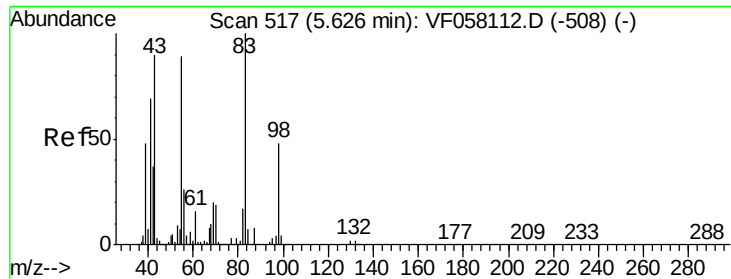
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	117	Resp:	863491
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	32.1	24.8	37.2





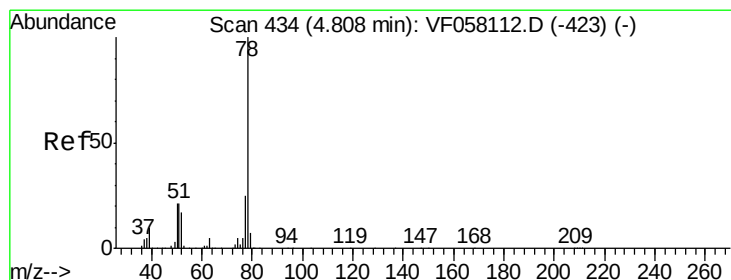
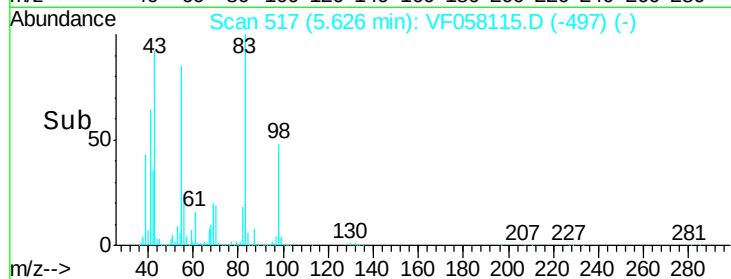
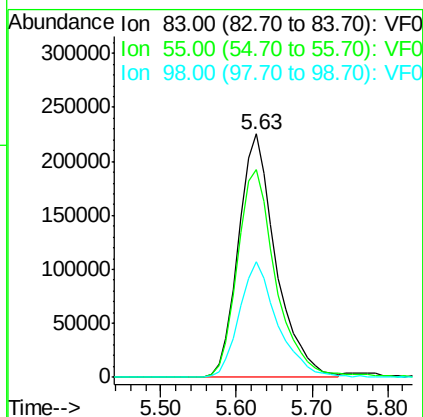
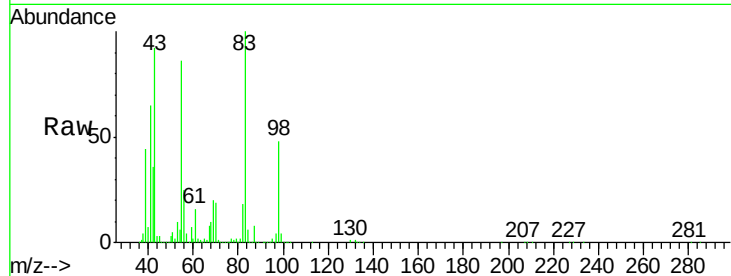
#39
Methylcyclohexane
Concen: 125.069 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.6	71.0	106.4
98	47.6	38.1	57.1

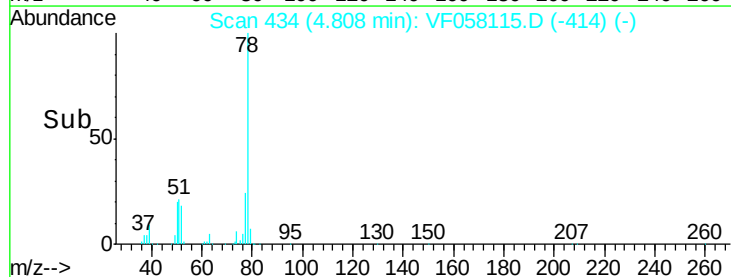
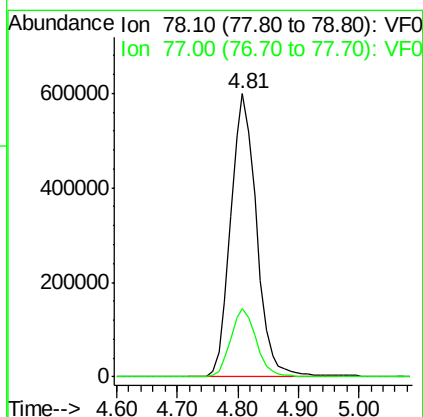
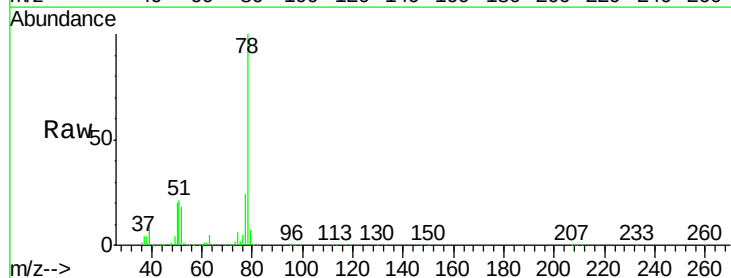
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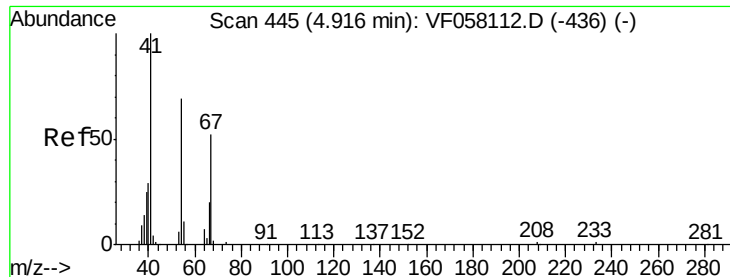
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#40
Benzene
Concen: 127.263 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.2	30.2





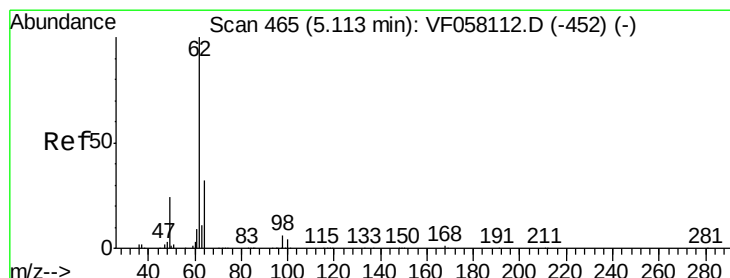
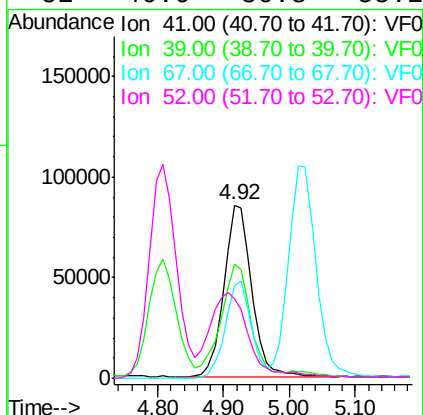
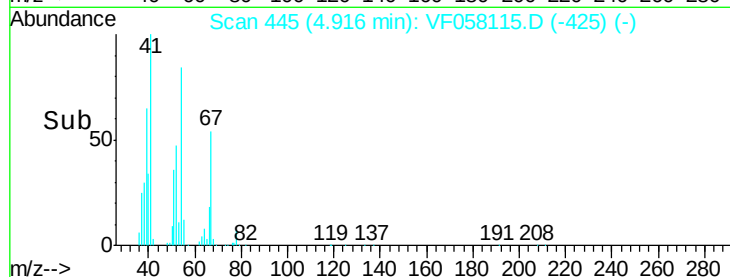
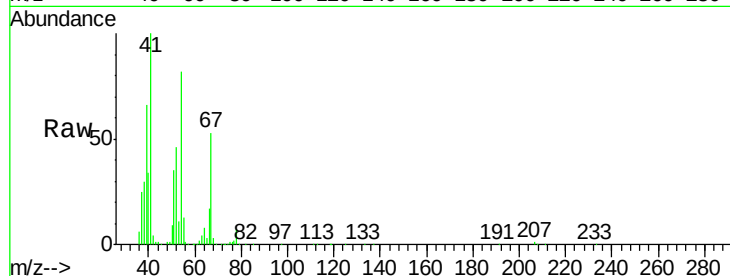
#41
Methacrylonitrile
Concen: 141.072 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.8	53.0	79.4
67	53.0	41.0	61.6
52	46.0	36.8	55.2

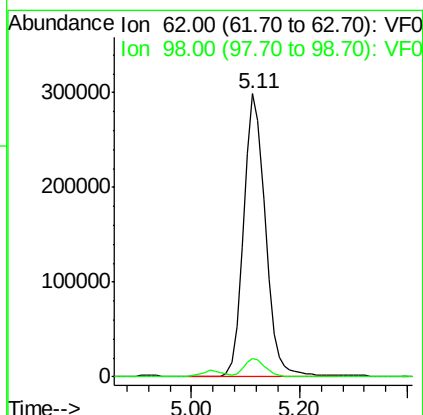
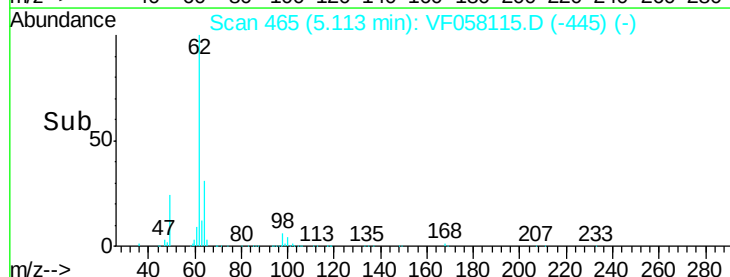
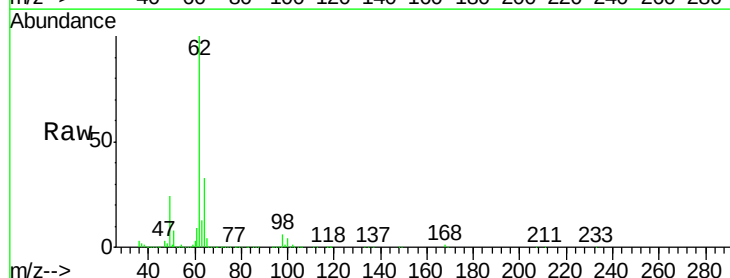
Manual Integrations
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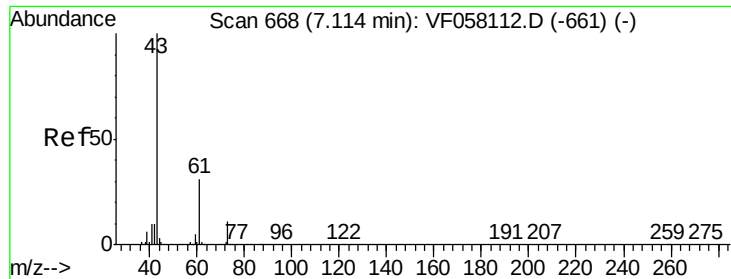
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#42
1,2-Dichloroethane
Concen: 139.301 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	11.8





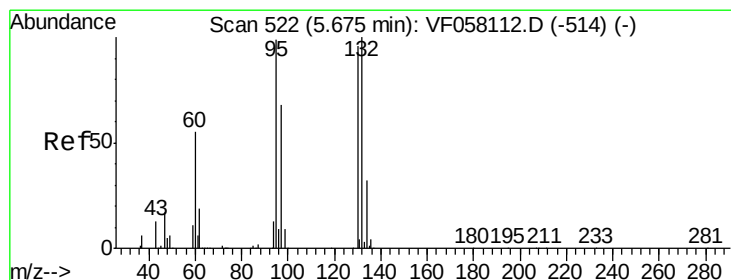
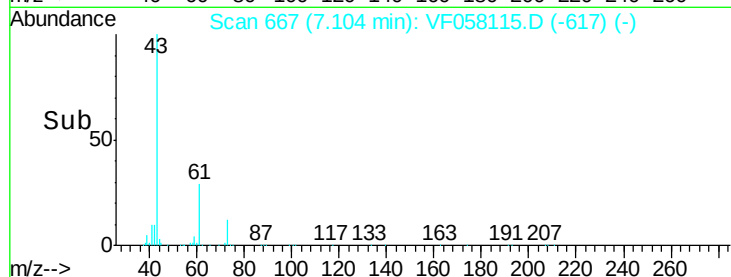
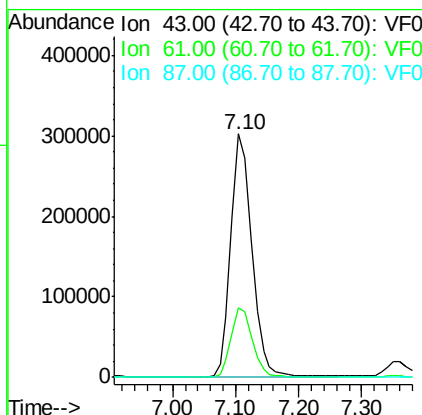
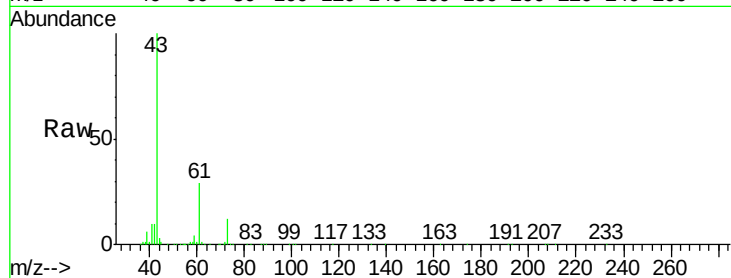
#43
Isopropyl Acetate
Concen: 147.063 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.6	25.1	37.7
87	0.3	0.2	0.4

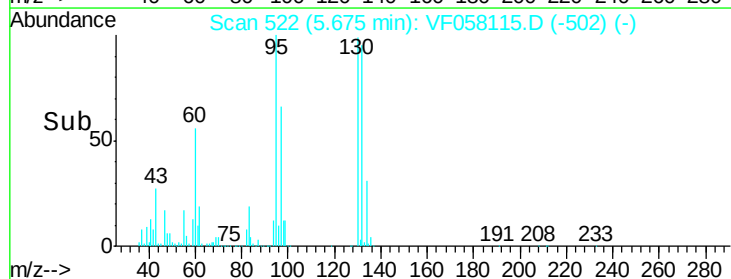
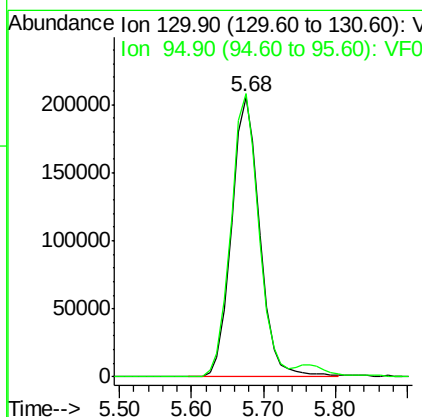
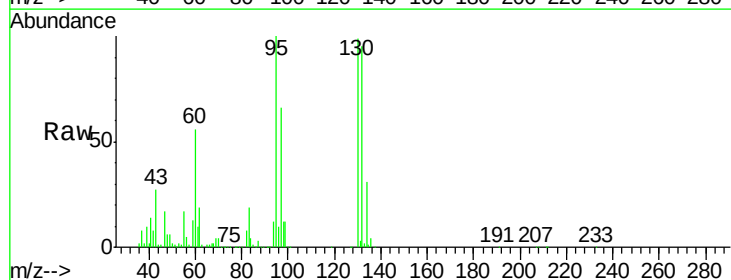
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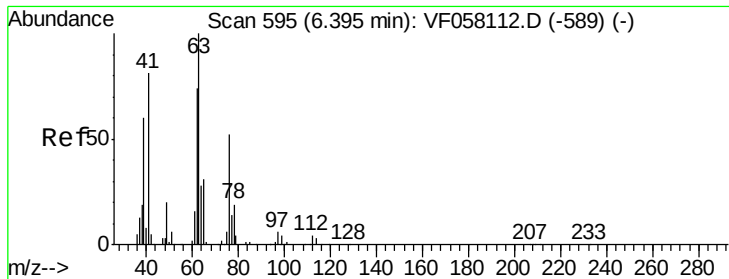
apatel
6/7/2018 12:39:16 PM



#44
Trichloroethene
Concen: 128.116 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	206.8





#45

1,2-Dichloropropane

Concen: 126.673 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 515726

Ion Ratio Lower Upper

63 100

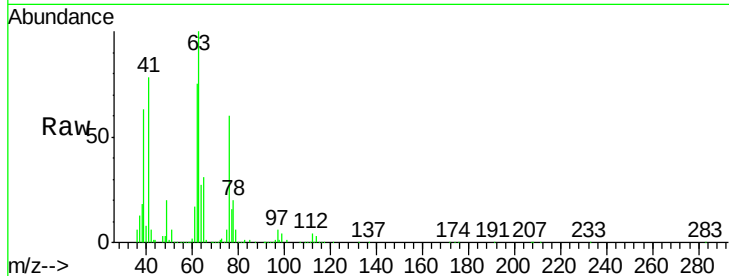
65 31.2 24.6 37.0

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.40

200000

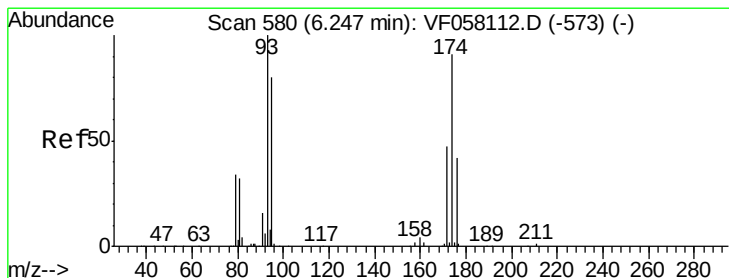
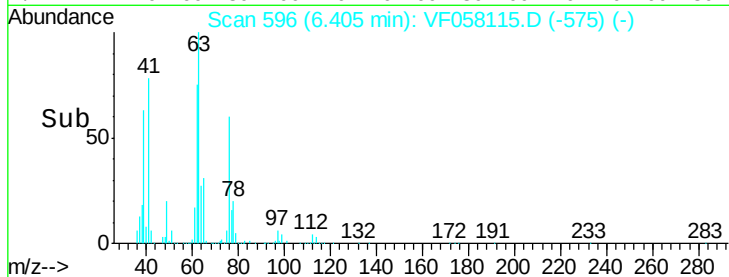
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 132.784 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

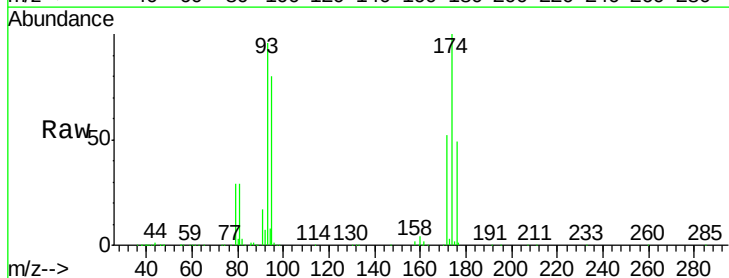
Tgt Ion: 93 Resp: 408079

Ion Ratio Lower Upper

93 100

95 82.8 64.2 96.4

174 104.1 72.7 109.1



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

200000

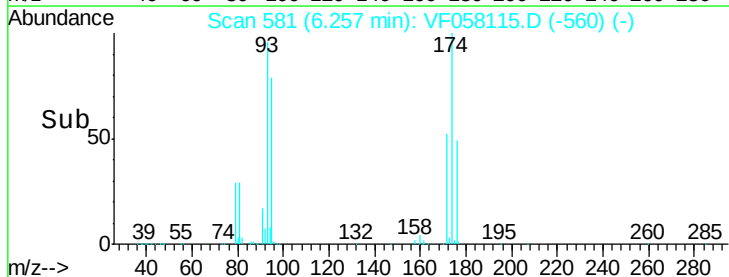
150000

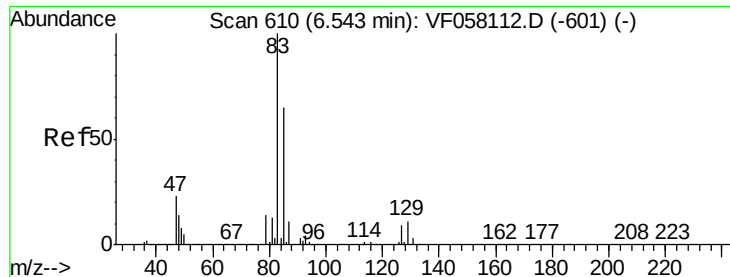
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 128.924 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

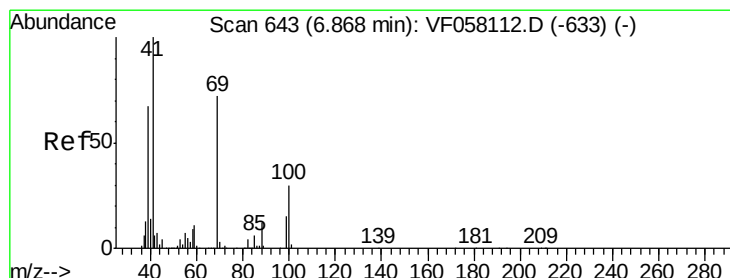
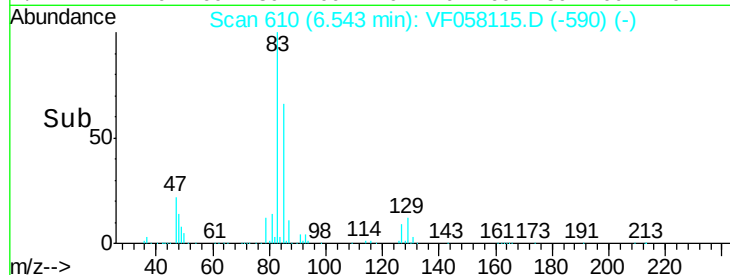
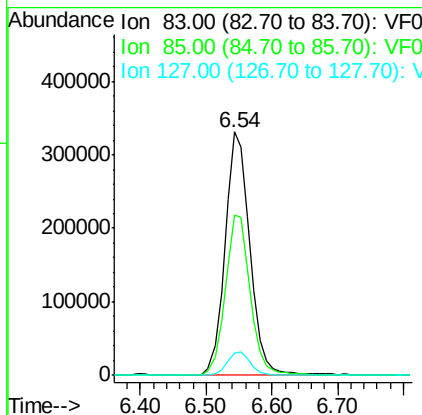
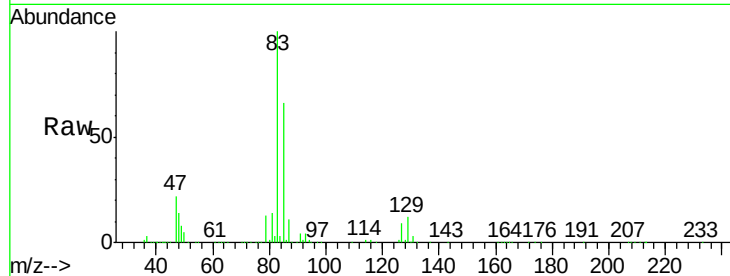
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	874203
Ion Ratio		Lower	Upper
83	100		
85	65.9	51.6	77.4
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 144.573 ug/l

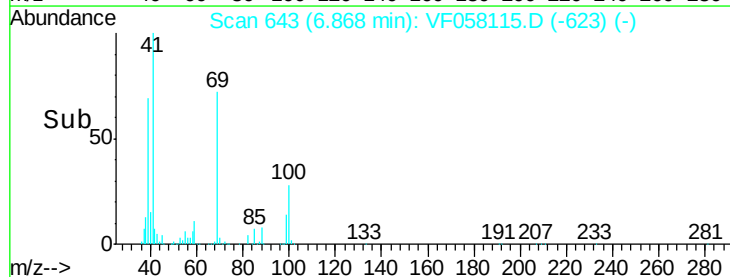
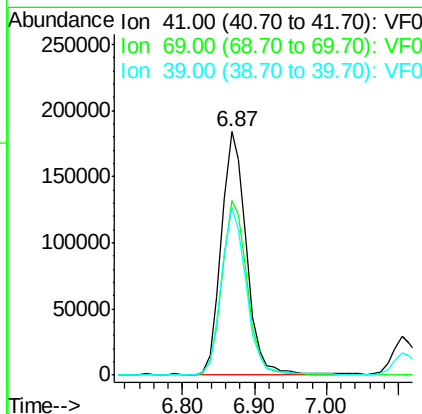
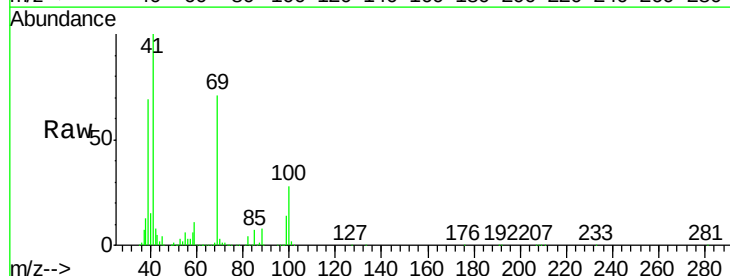
RT: 6.87 min Scan# 643

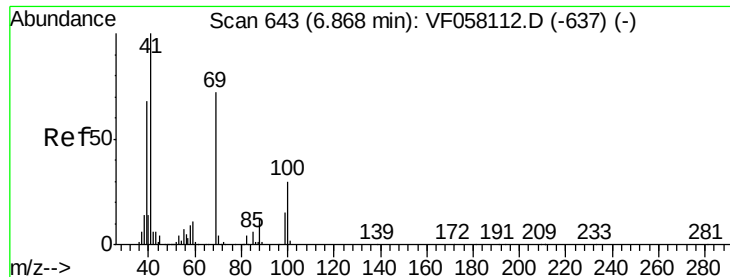
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	41	Resp:	436991
Ion Ratio		Lower	Upper
41	100		
69	71.5	57.2	85.8
39	69.1	54.3	81.5





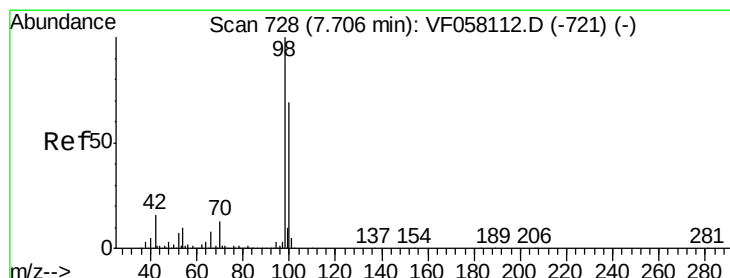
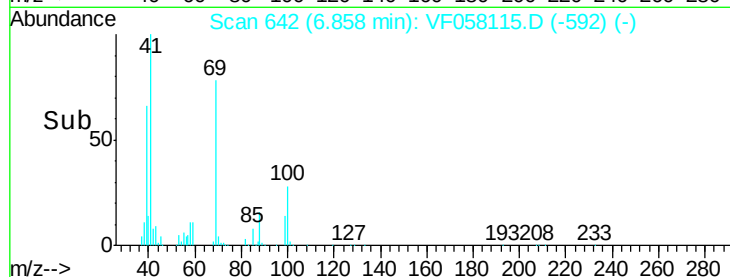
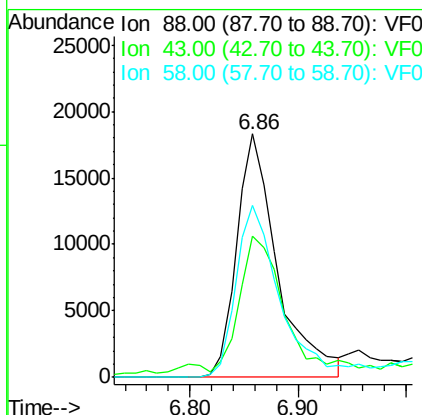
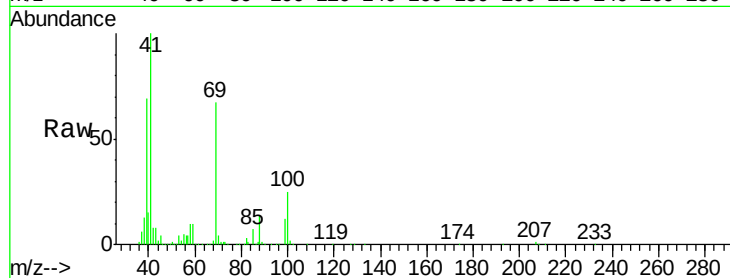
#49
1,4-Dioxane
Concen: 2298.057 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	57.9	47.8	71.8
58	70.6	59.4	89.0

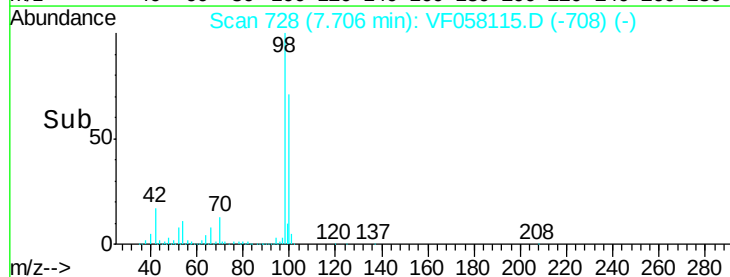
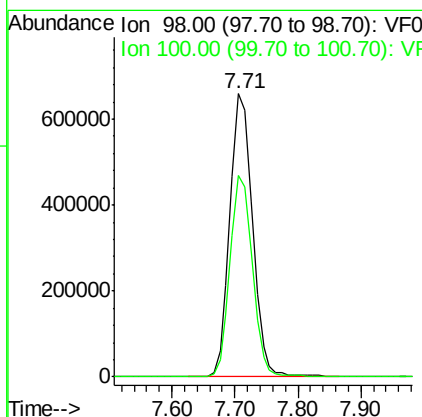
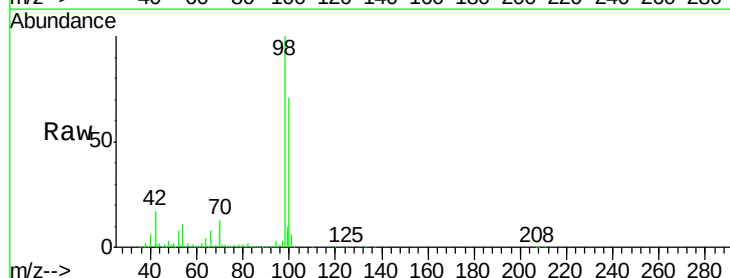
Manual Integrations
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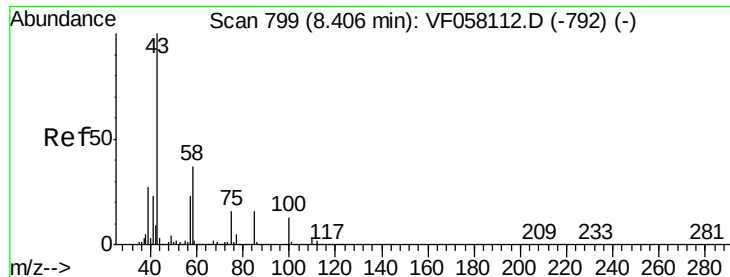
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#50
Toluene-d8
Concen: 126.441 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.4	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 611.679 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2030506

Ion Ratio Lower Upper

43 100

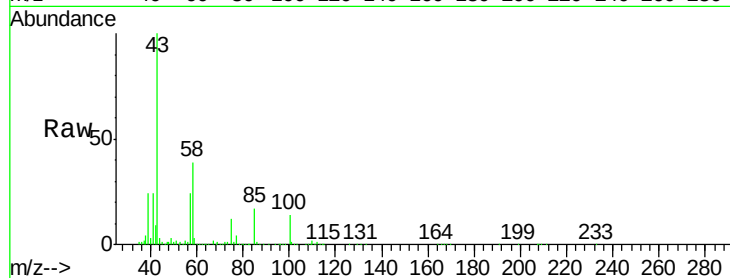
58 38.7 29.4 44.0

Manual Integrations

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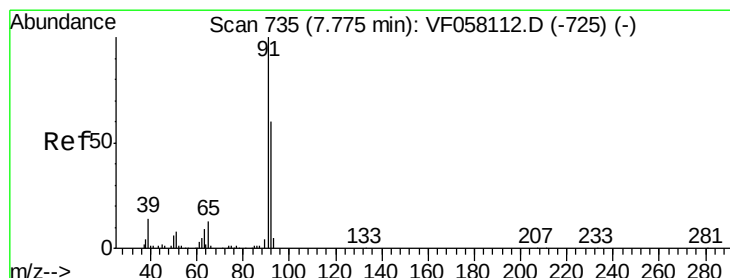
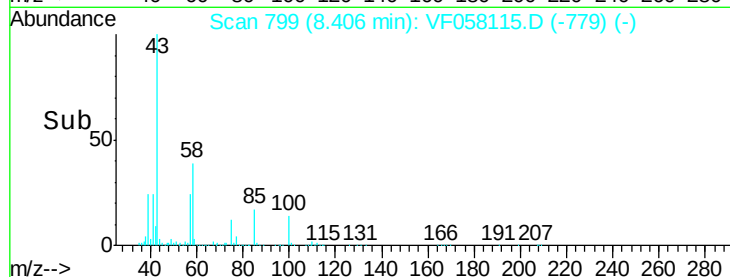
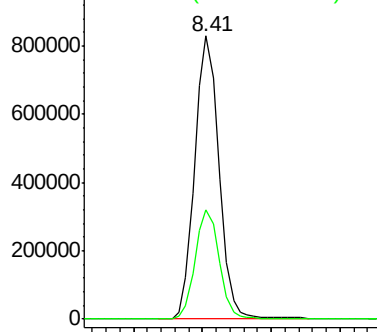
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 125.744 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF058115.D

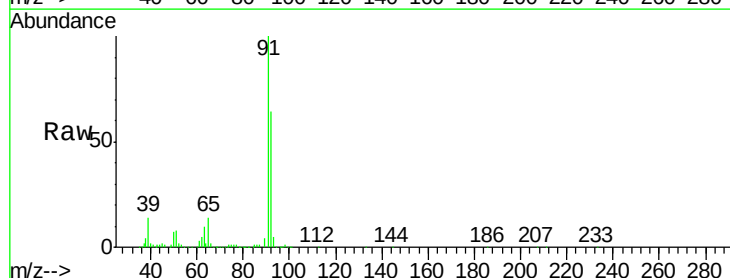
Acq: 6 Jun 2018 19:05

Tgt Ion: 92 Resp: 1250363

Ion Ratio Lower Upper

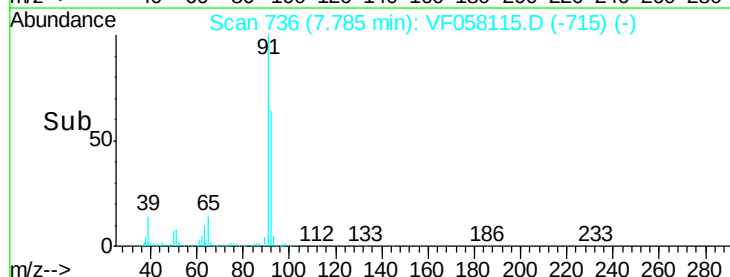
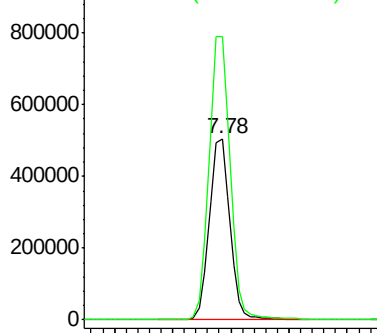
92 100

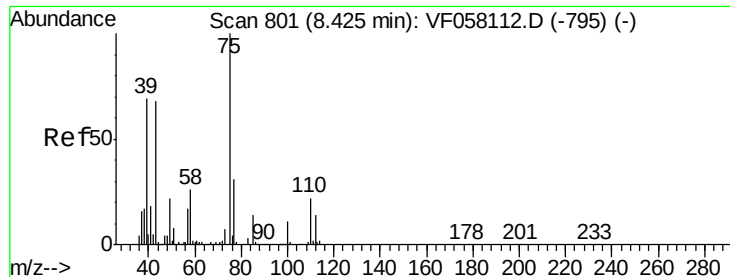
91 156.0 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 131.744 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion: 75 Resp: 853476

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

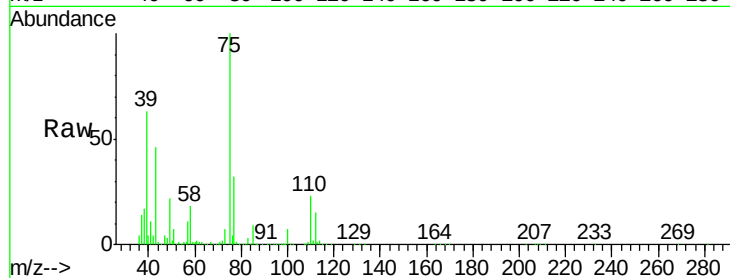
VSTDIC150

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

400000

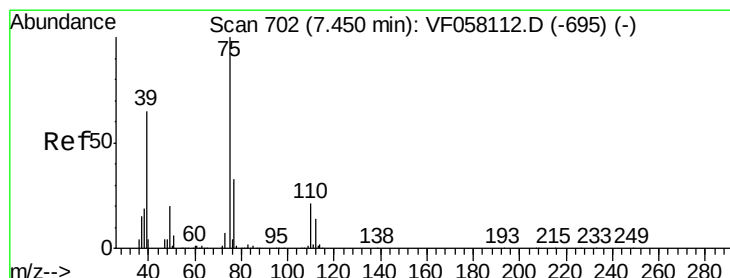
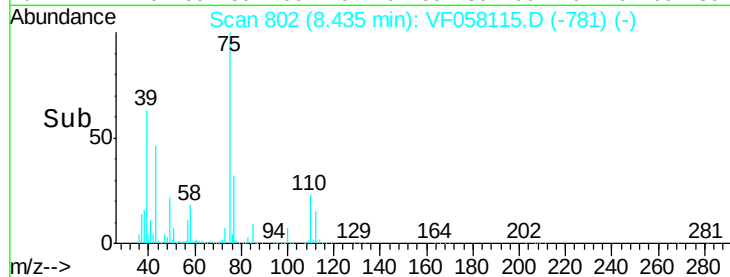
300000

200000

100000

0

Time--> 8.20 8.40 8.60



#54

cis-1,3-Dichloropropene

Concen: 134.438 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

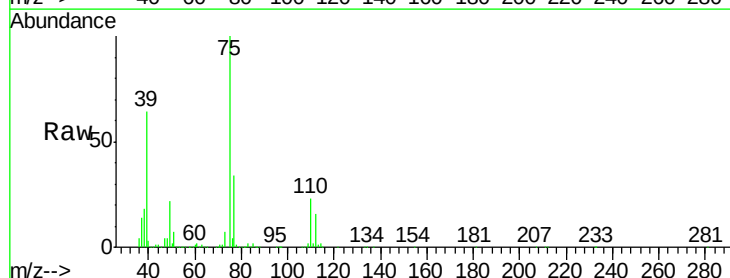
Tgt Ion: 75 Resp: 1000603

Ion Ratio Lower Upper

75 100

77 33.8 26.3 39.5

39 63.5 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

500000

400000

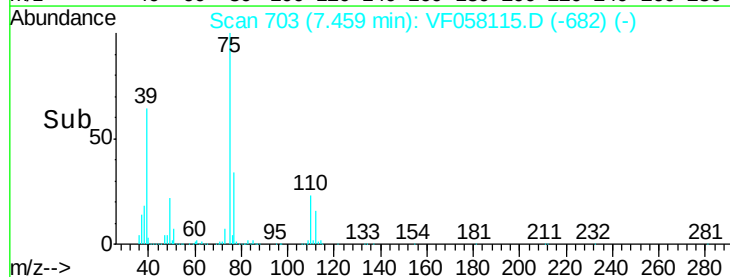
300000

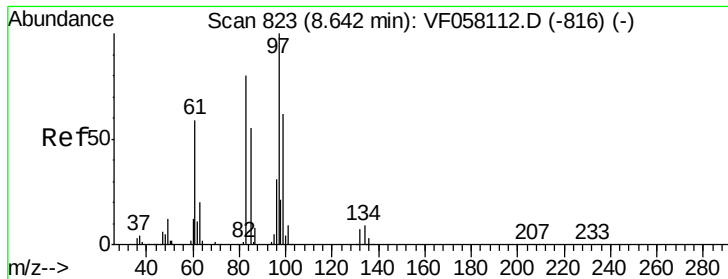
200000

100000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 132.344 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

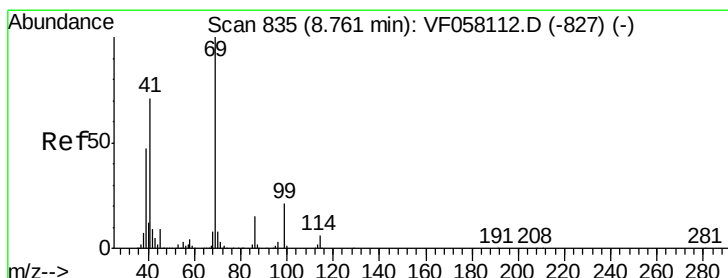
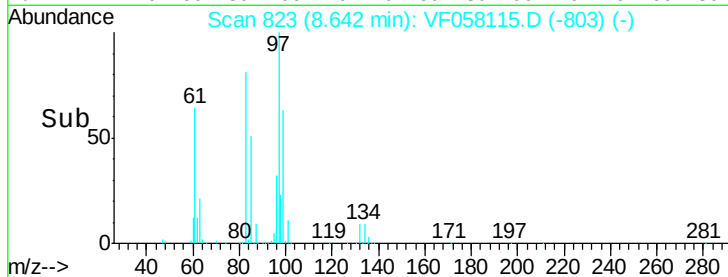
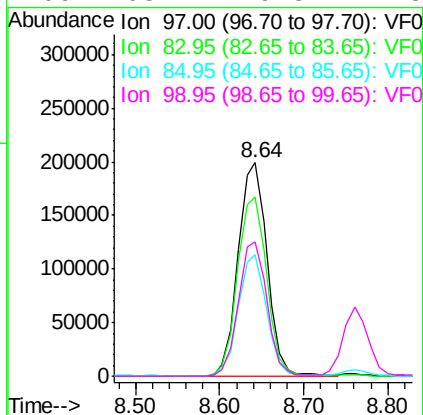
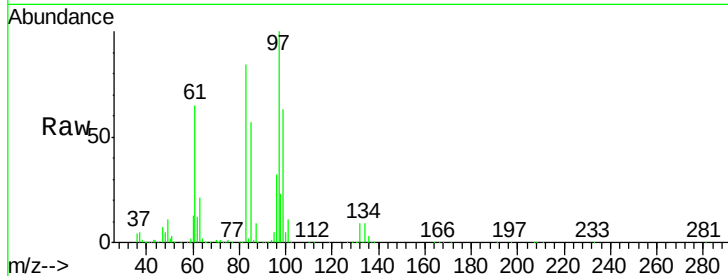
ClientSampleId :

VSTDIC150

Tgt Ion:	97	Resp:	478453
Ion	Ratio	Lower	Upper
97	100		
83	83.8	64.3	96.5
85	56.9	43.8	65.8
99	63.2	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 139.495 ug/l

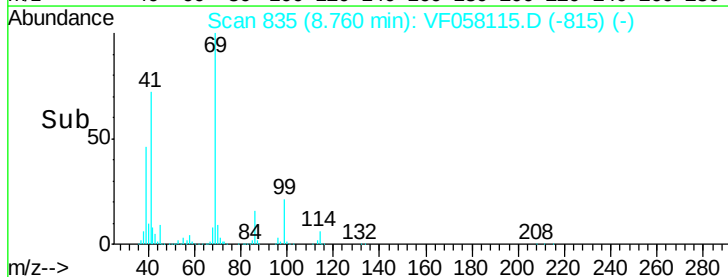
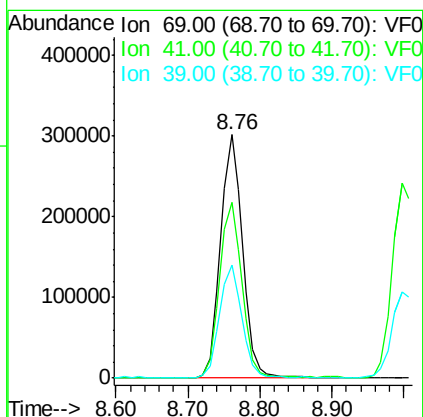
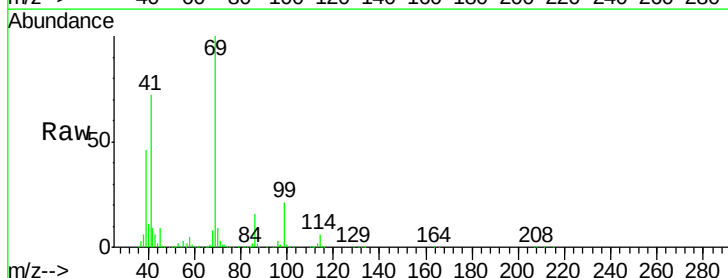
RT: 8.76 min Scan# 835

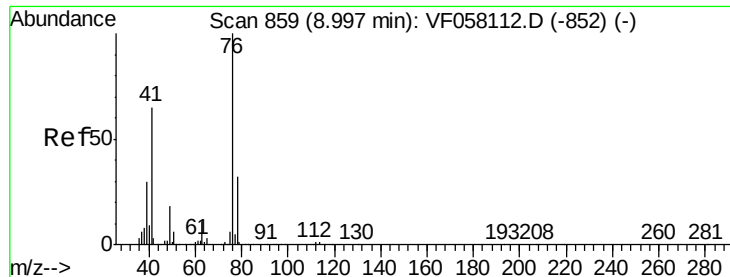
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	69	Resp:	637776
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.9	85.3
39	46.4	38.0	57.0





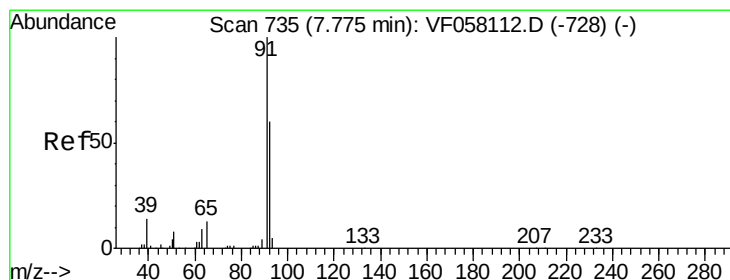
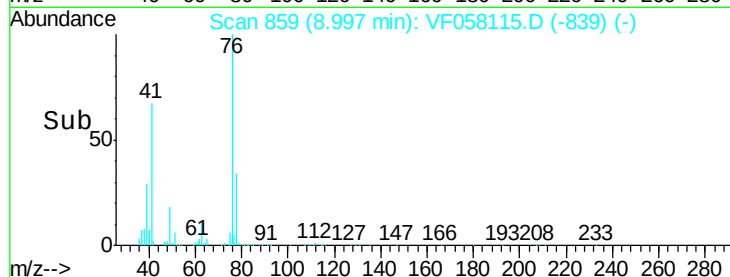
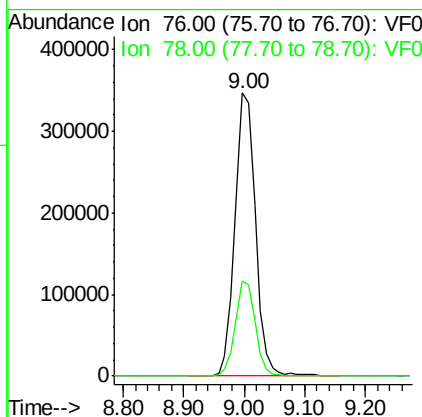
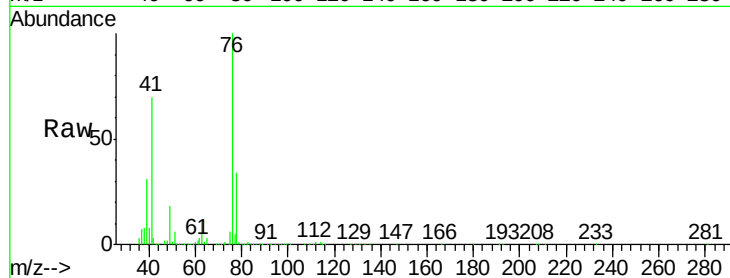
#57
 1,3-Dichloropropane
 Concen: 131.270 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6

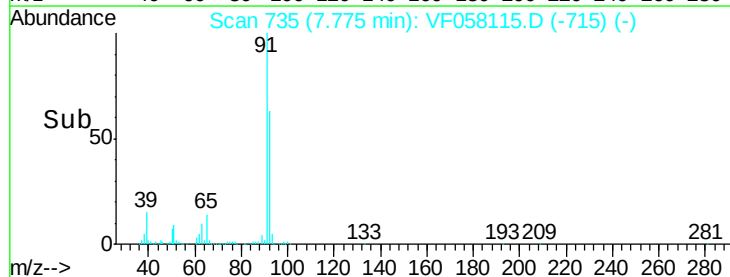
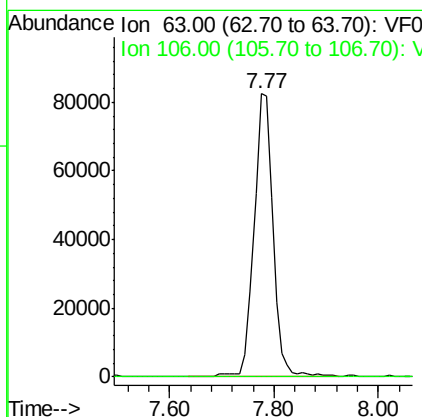
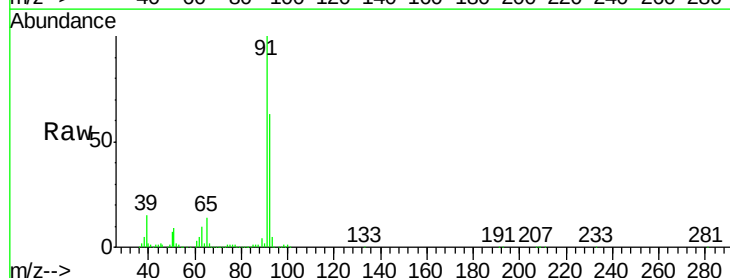
Manual Integrations
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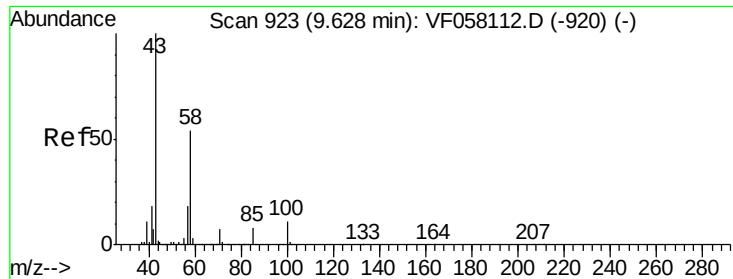
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 645.781 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





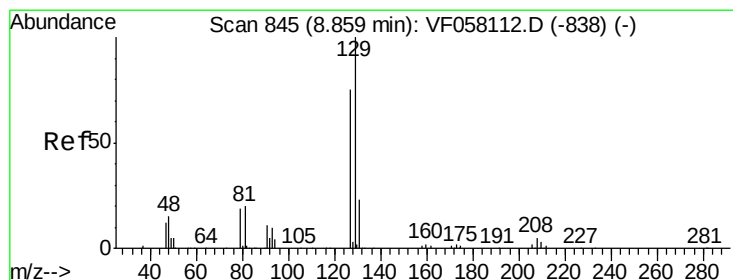
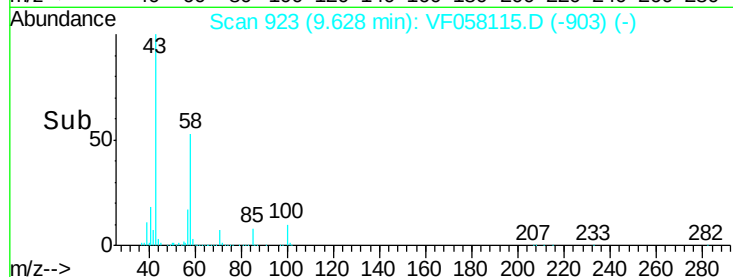
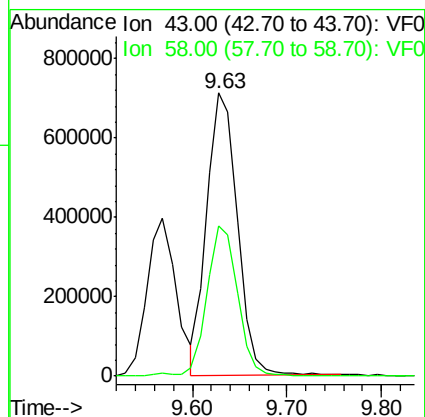
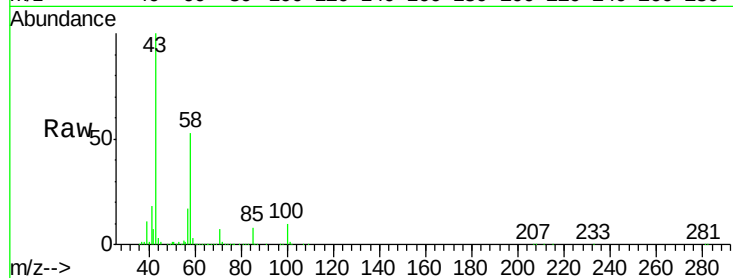
#59
2-Hexanone
Concen: 619.064 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1609165
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8

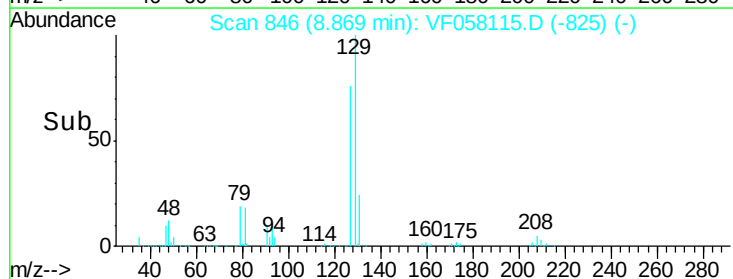
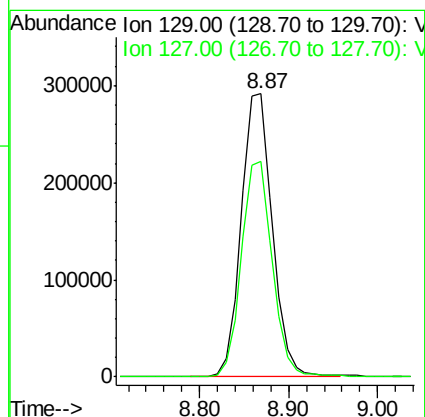
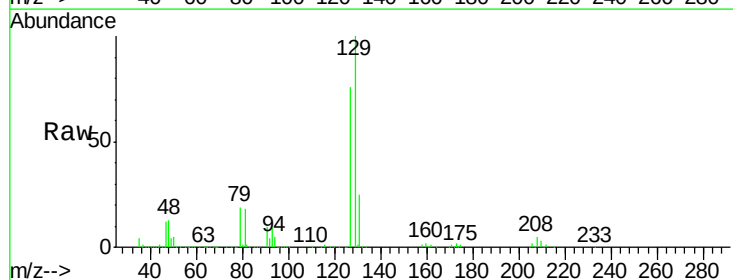
Manual Integrations
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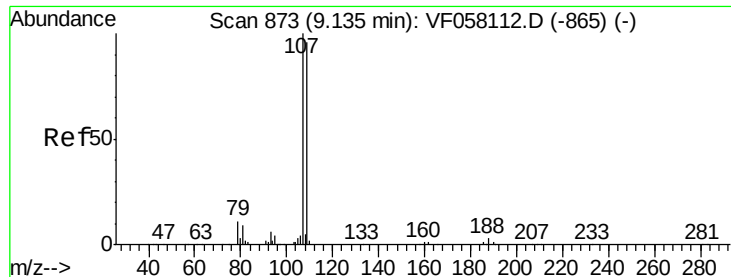
apatel
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#60
Dibromochloromethane
Concen: 136.783 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion: 129 Resp: 703142
Ion Ratio Lower Upper
129 100
127 76.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 133.460 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 575641

Ion Ratio Lower Upper

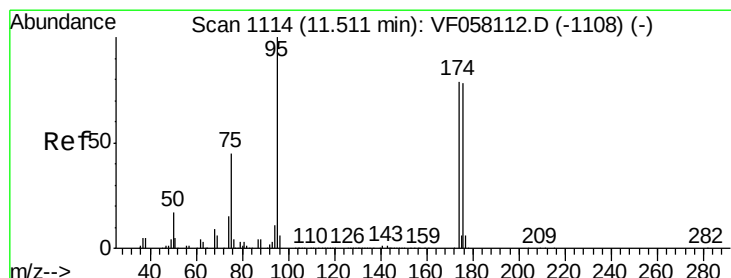
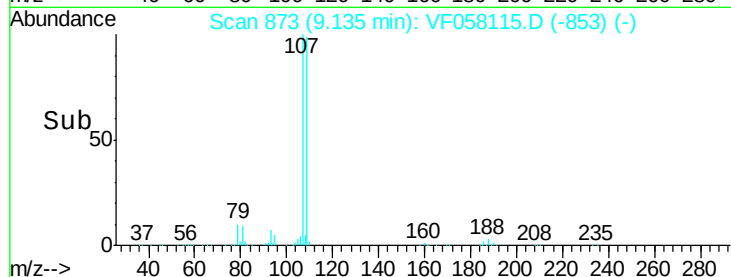
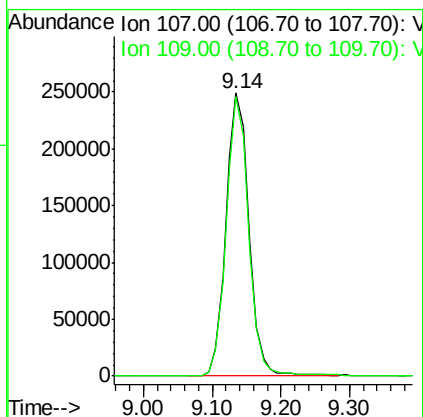
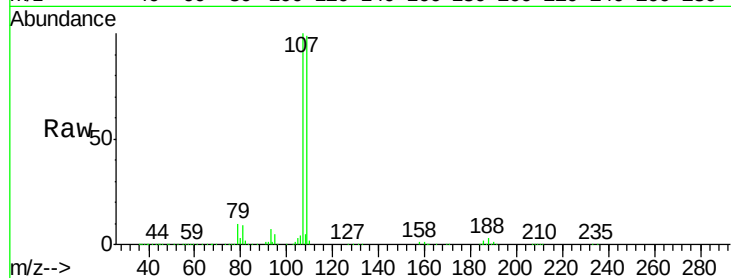
107 100

109 98.5 76.6 115.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 122.054 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

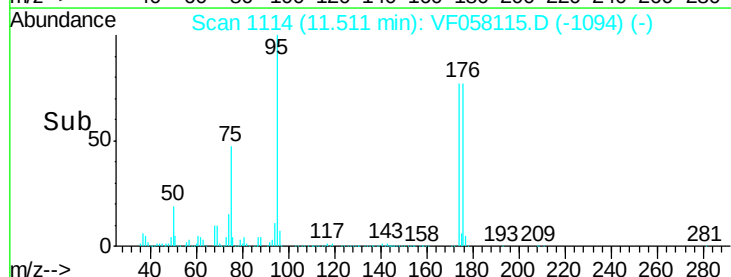
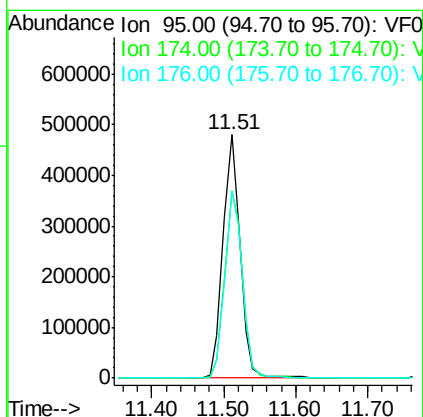
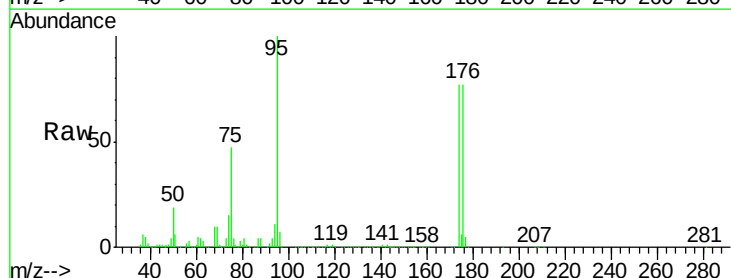
Tgt Ion: 95 Resp: 793878

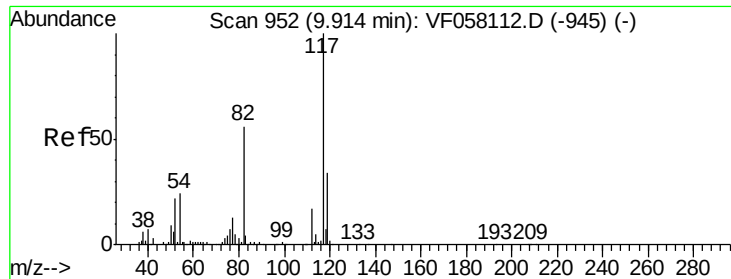
Ion Ratio Lower Upper

95 100

174 76.8 0.0 157.8

176 76.9 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

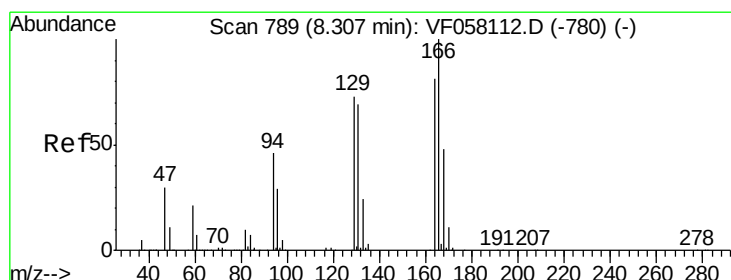
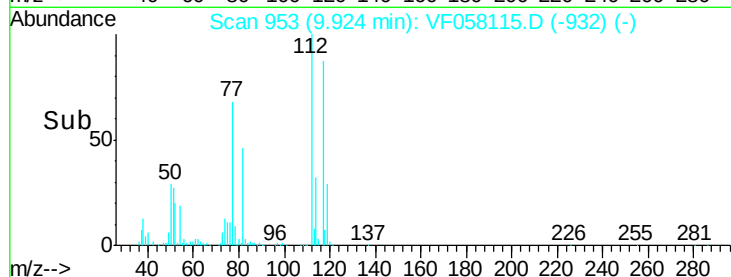
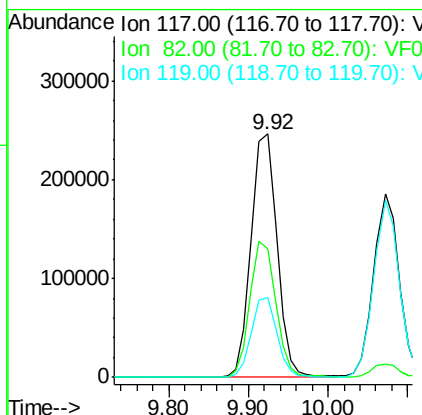
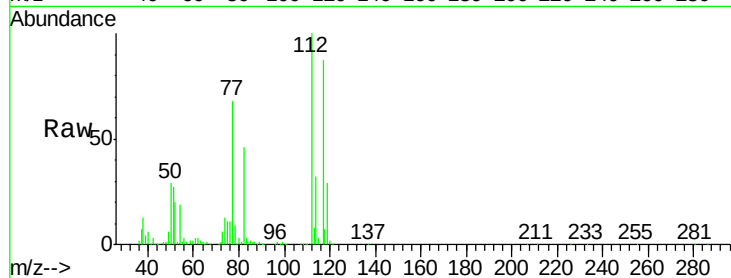
ClientSampleId :

VSTDIC150

Tgt Ion:	117	Resp:	553341
Ion Ratio	Lower	Upper	
117	100		
82	52.5	45.2	67.8
119	32.9	27.5	41.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 132.593 ug/l

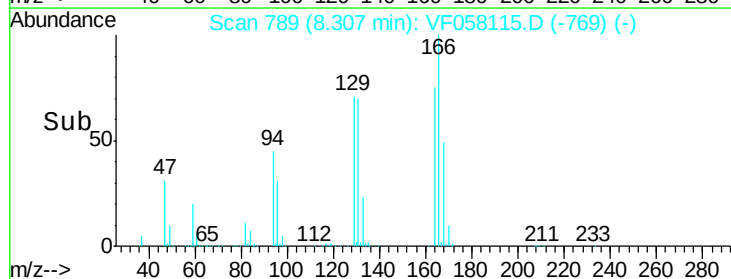
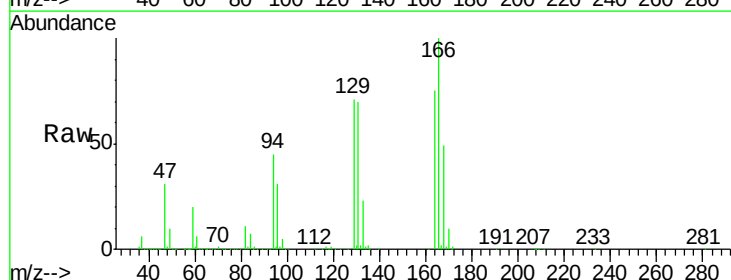
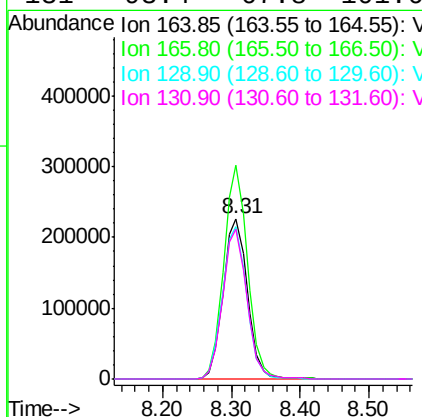
RT: 8.31 min Scan# 789

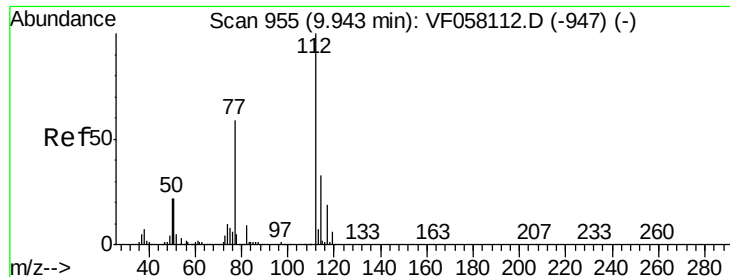
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	164	Resp:	553817
Ion Ratio	Lower	Upper	
164	100		
166	133.1	98.2	147.4
129	94.7	71.6	107.4
131	93.4	67.8	101.6





#65

Chlorobenzene

Concen: 135.242 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 1516265

Ion Ratio Lower Upper

112 100

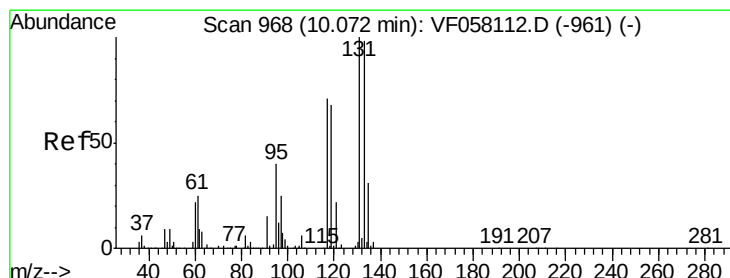
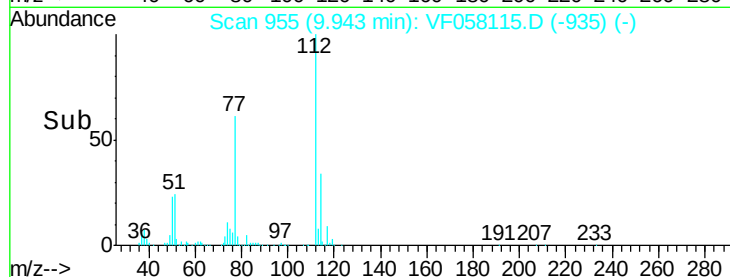
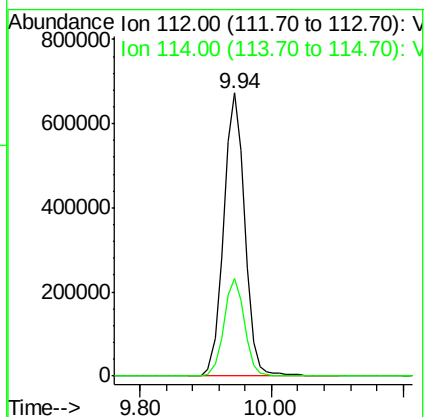
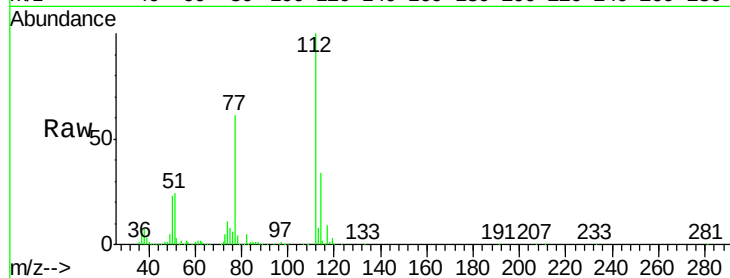
114 34.4 26.2 39.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 135.413 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

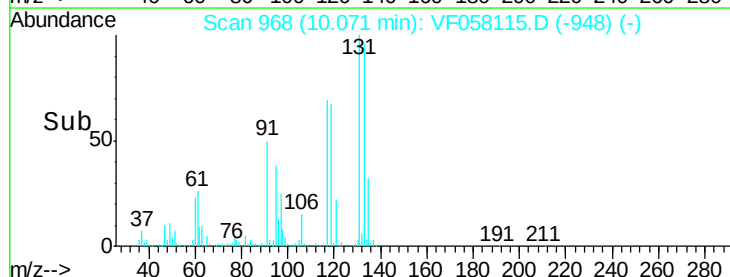
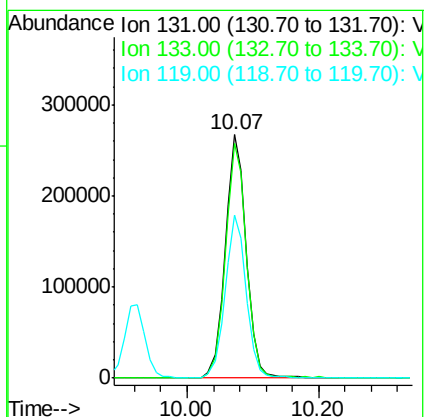
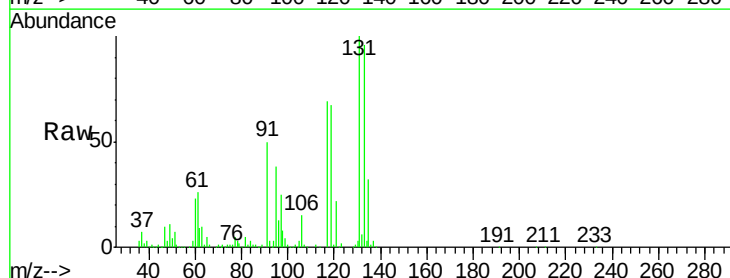
Tgt Ion:131 Resp: 593439

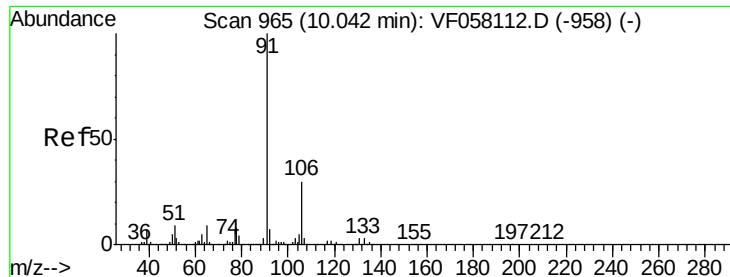
Ion Ratio Lower Upper

131 100

133 96.3 49.1 147.4

119 67.0 34.3 102.8





#67

Ethyl Benzene

Concen: 122.692 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2417681

Ion Ratio Lower Upper

91 100

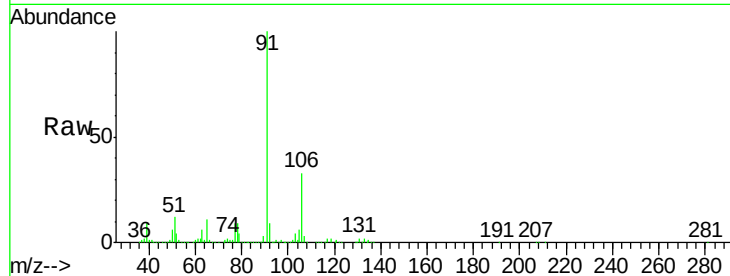
106 33.0 24.2 36.4

Manual Integrations

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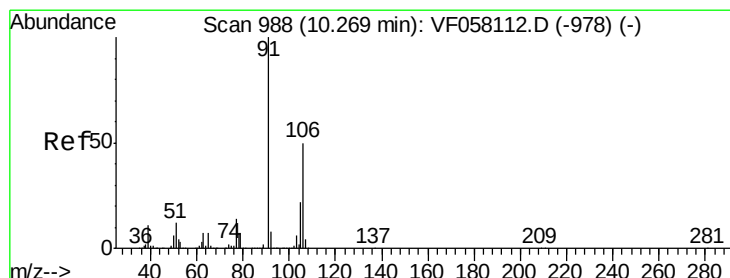
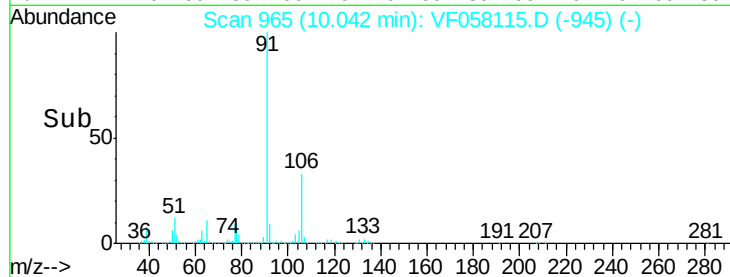
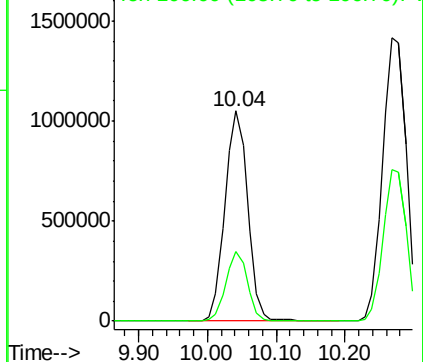
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 247.206 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF058115.D

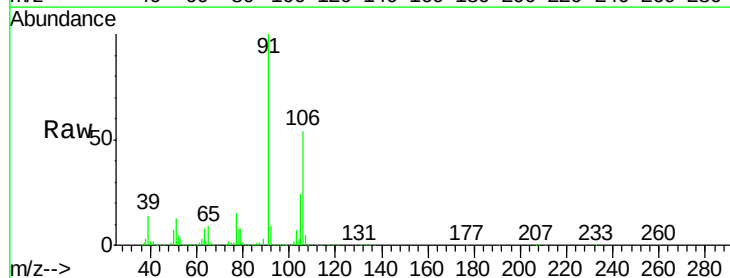
Acq: 6 Jun 2018 19:05

Tgt Ion: 106 Resp: 1806008

Ion Ratio Lower Upper

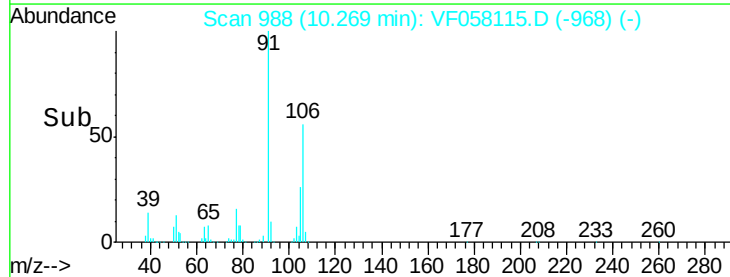
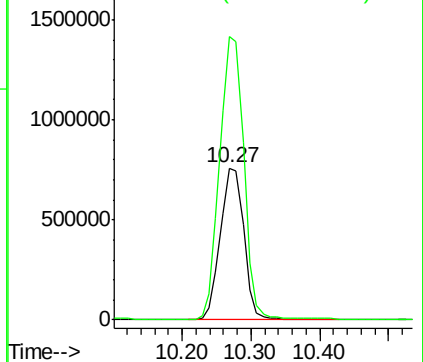
106 100

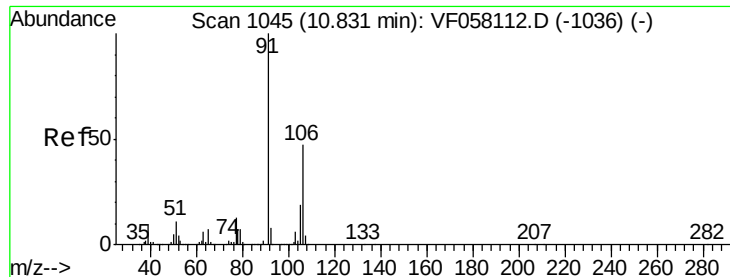
91 186.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





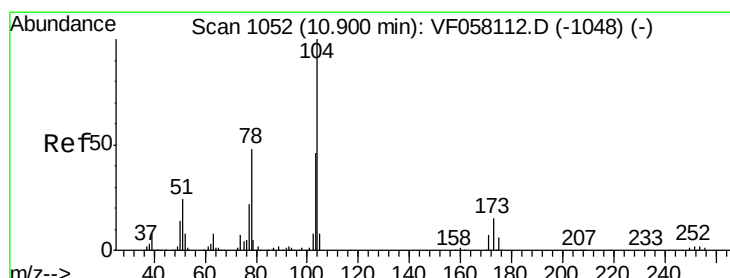
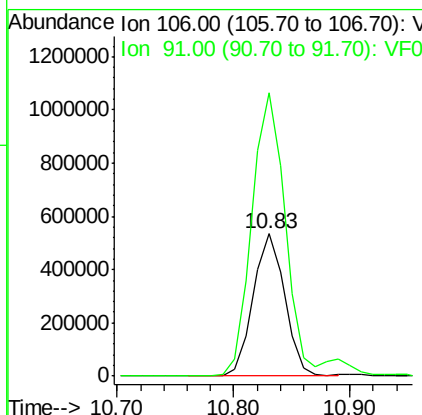
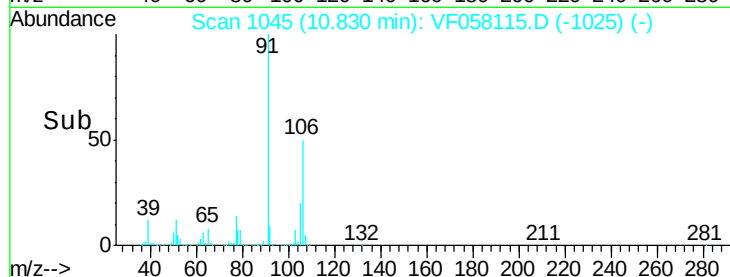
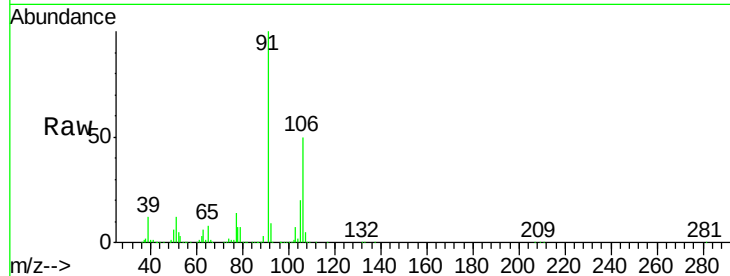
#69
o-Xylene
Concen: 126.586 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1007260
Ion Ratio Lower Upper
106 100
91 198.6 107.0 321.0

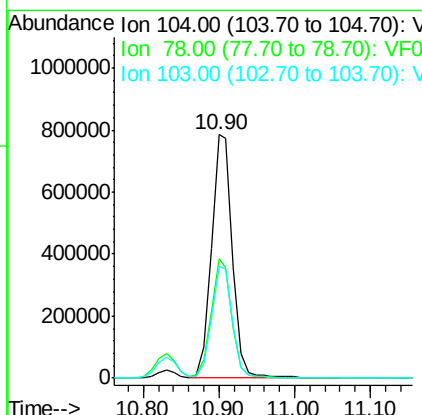
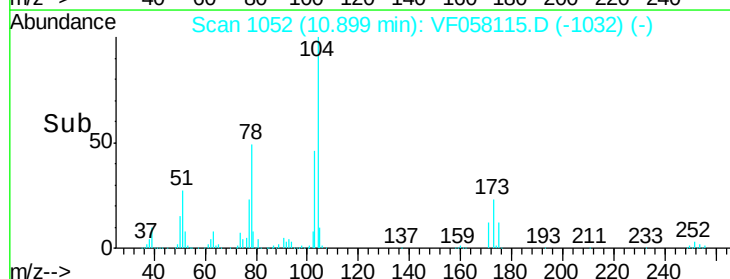
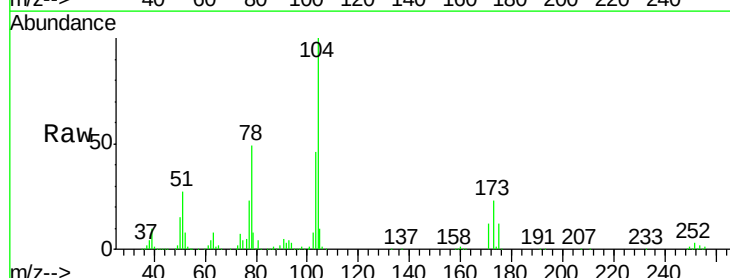
Manual Integrations
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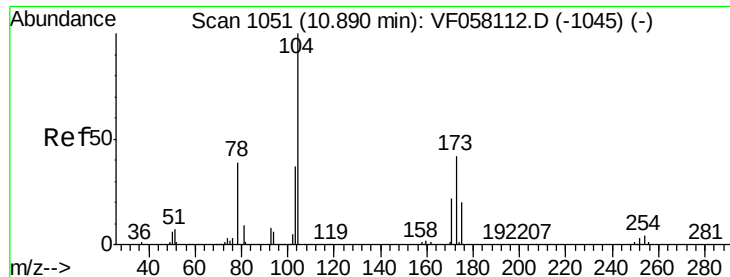
apatel
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#70
Styrene
Concen: 127.498 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion:104 Resp: 1521217
Ion Ratio Lower Upper
104 100
78 49.0 38.4 57.6
103 45.7 37.0 55.6





#71

Bromoform

Concen: 147.272 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

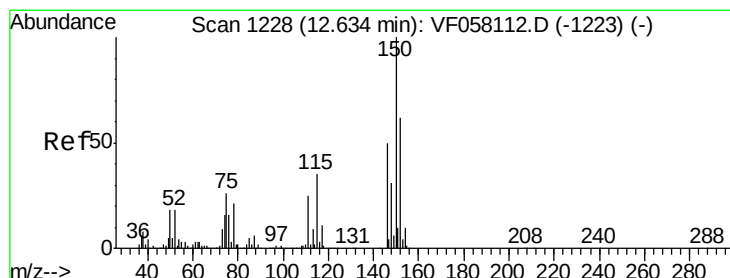
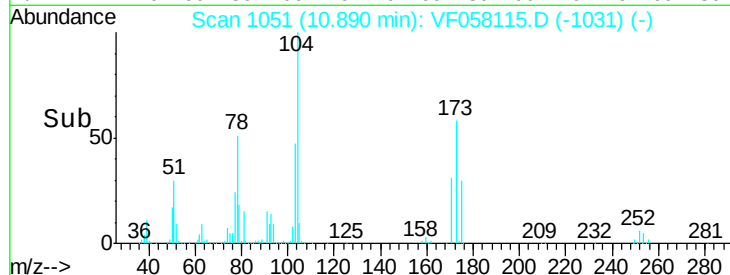
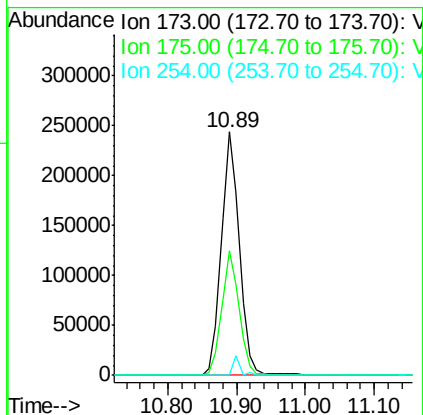
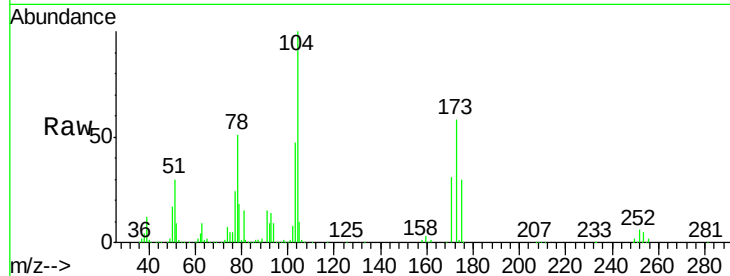
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.6	74.0
254	0.1	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

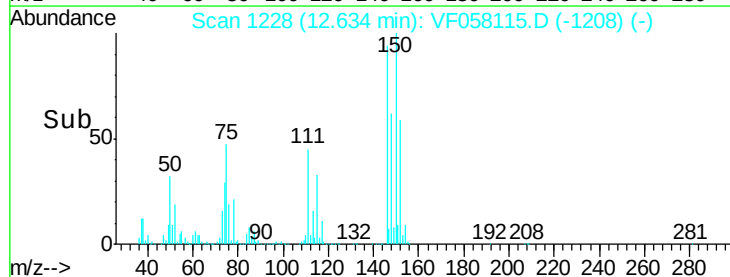
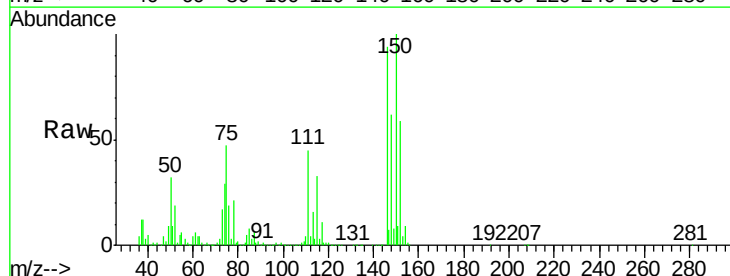
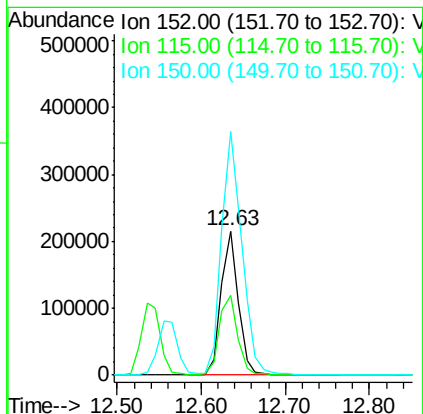
RT: 12.63 min Scan# 1228

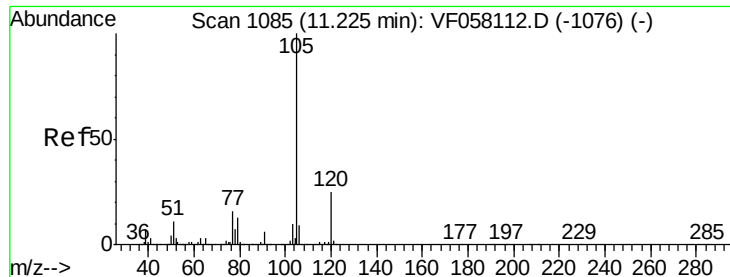
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.5	85.5
150	169.1	0.0	323.8





#73

Isopropylbenzene

Concen: 121.746 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 2656145

Ion Ratio Lower Upper

105 100

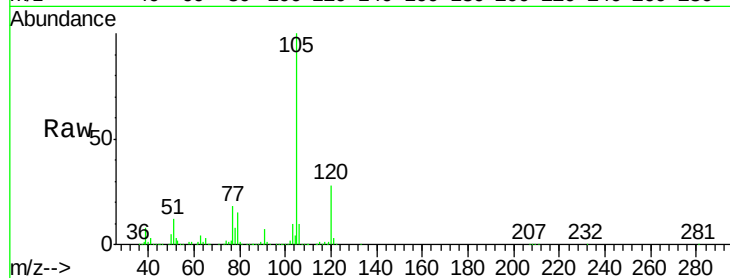
120 28.2 12.7 38.1

Manual Integrations

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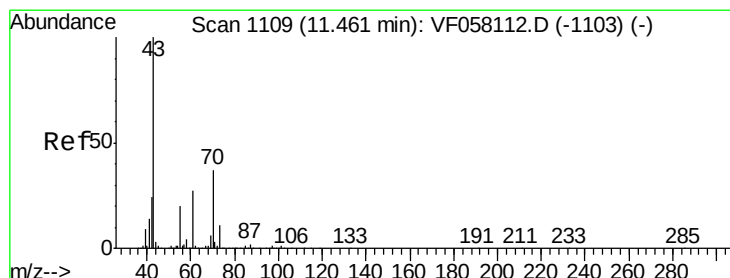
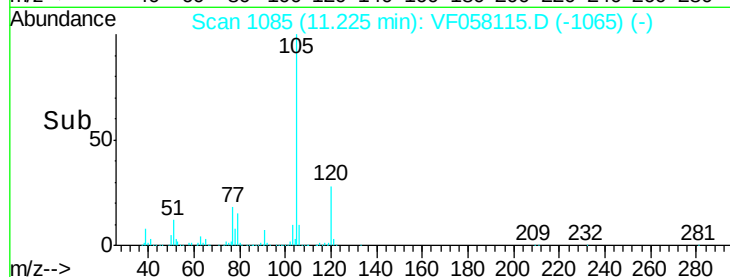
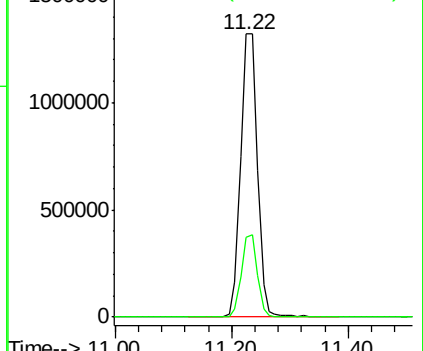
apatel

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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: 125.726 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion: 43 Resp: 1022888

Ion Ratio Lower Upper

43 100

70 37.7 29.2 43.8

55 21.0 15.8 23.6

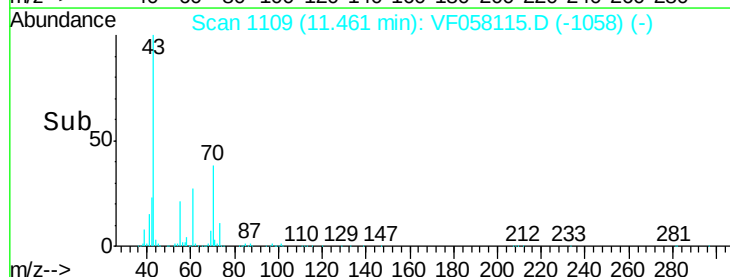
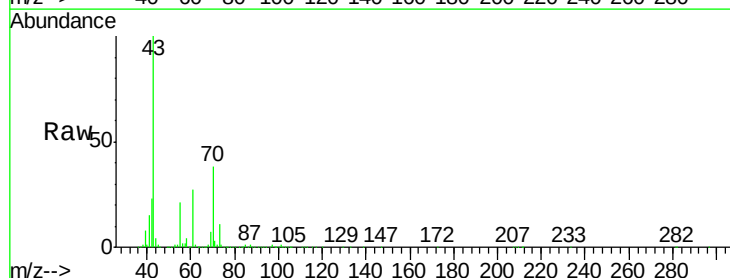
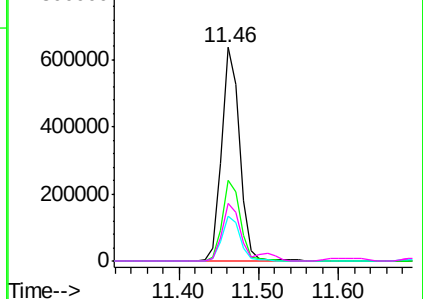
61 27.0 21.3 31.9

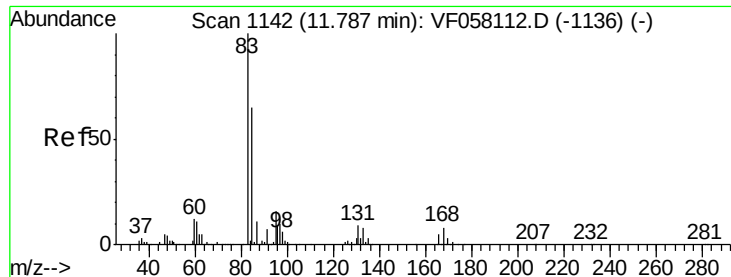
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 132.337 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 691597
Ion Ratio Lower Upper

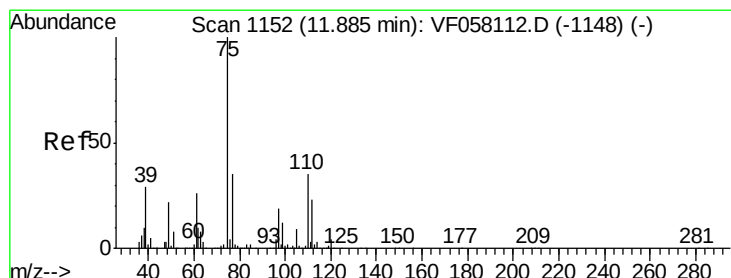
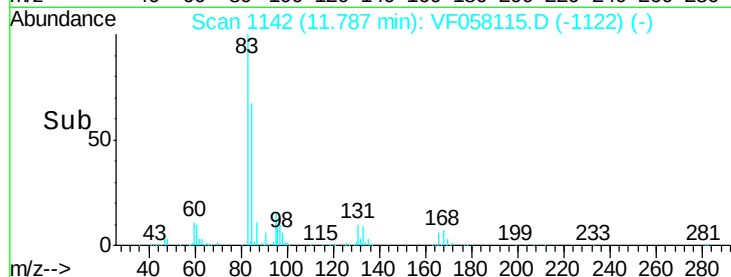
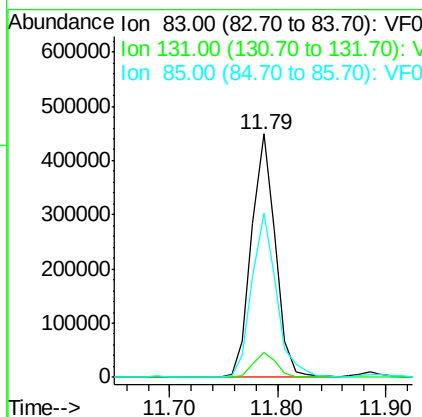
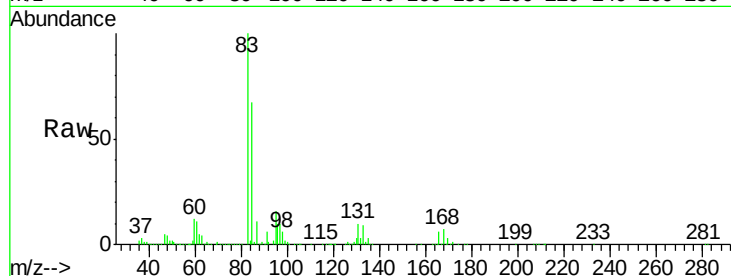
83 100

131 10.0 4.5 13.7

85 67.4 32.8 98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 135.063 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

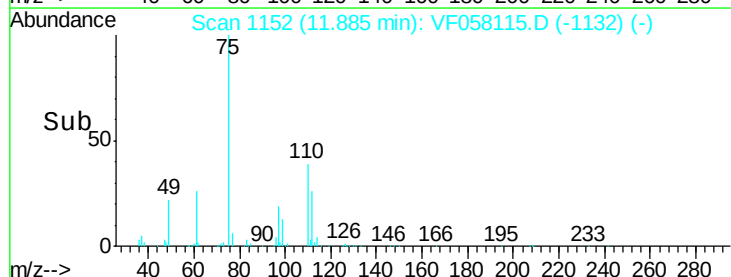
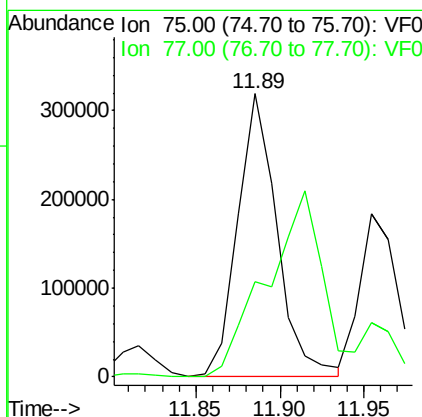
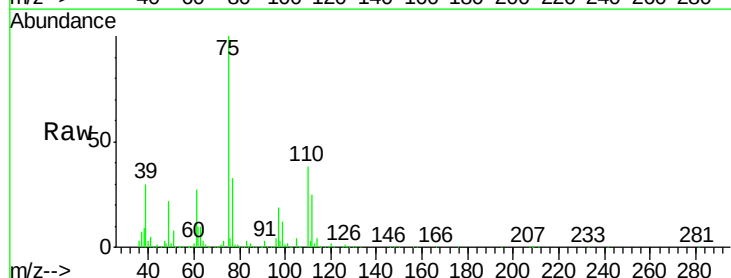
Lab File: VF058115.D

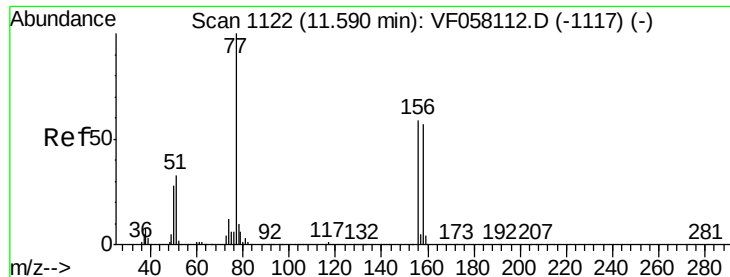
Acq: 6 Jun 2018 19:05

Tgt Ion: 75 Resp: 515050
Ion Ratio Lower Upper

75 100

77 33.5 17.5 52.5





#77

Bromobenzene

Concen: 135.736 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

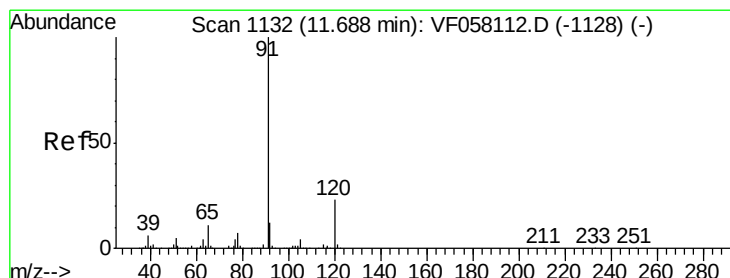
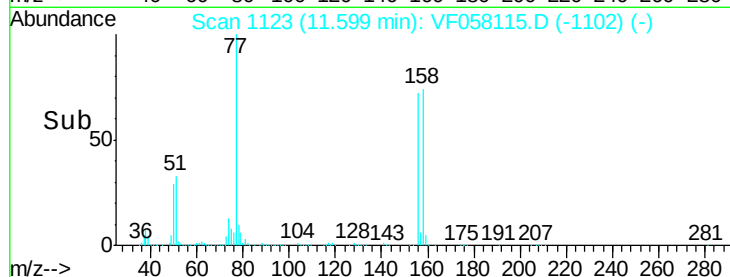
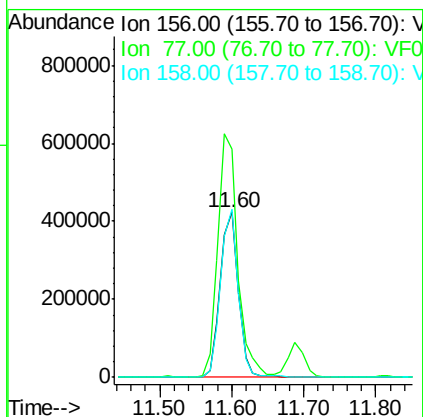
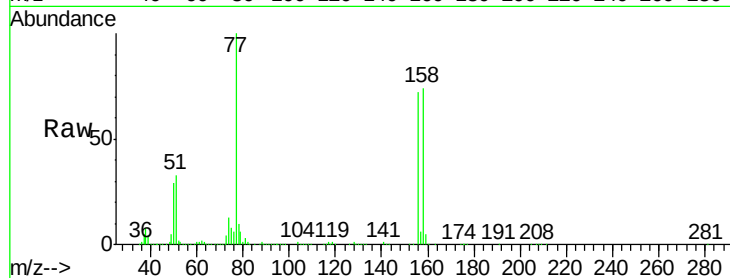
ClientSampleId :

VSTDIC150

Tgt Ion:	156	Resp:	737965
Ion Ratio	Lower	Upper	
156	100		
77	138.3	84.8	254.4
158	102.1	47.9	143.7

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#78

n-propylbenzene

Concen: 117.745 ug/l

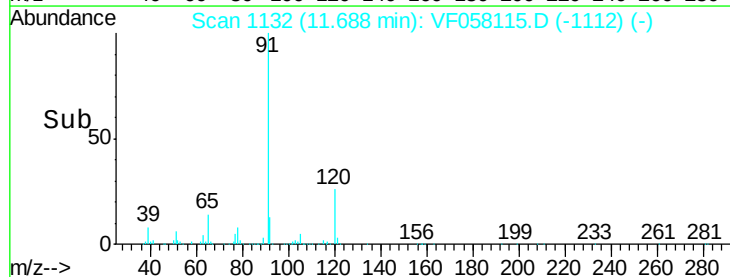
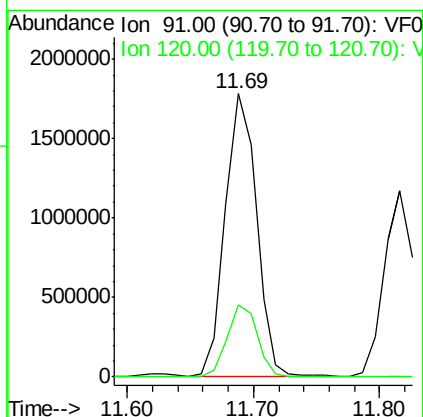
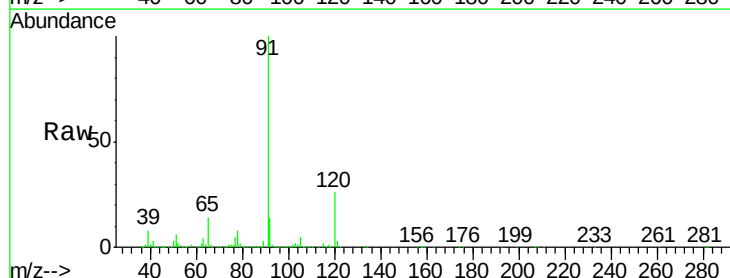
RT: 11.69 min Scan# 1132

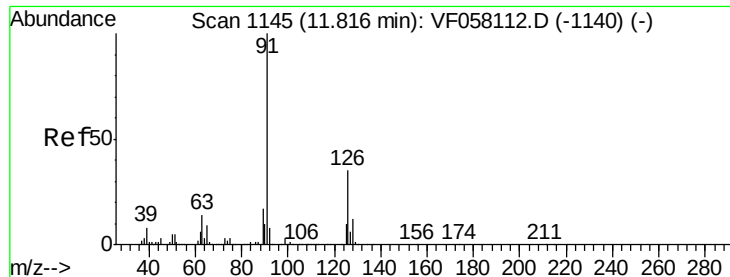
Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Tgt Ion:	91	Resp:	3069463
Ion Ratio	Lower	Upper	
91	100		
120	25.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 124.566 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1918324

Ion Ratio Lower Upper

91 100

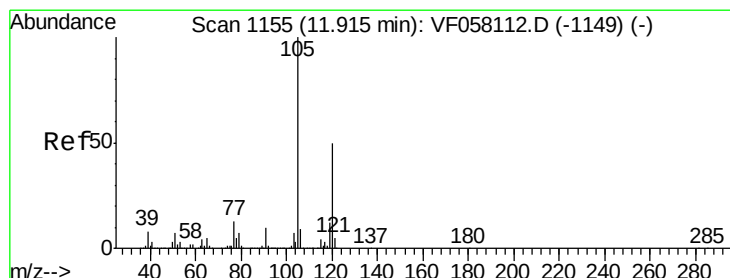
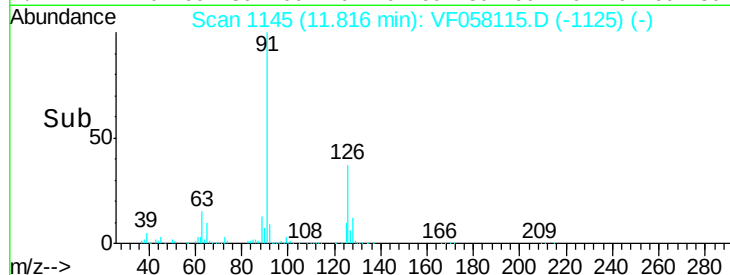
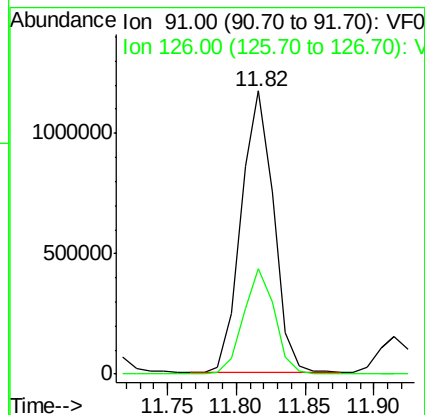
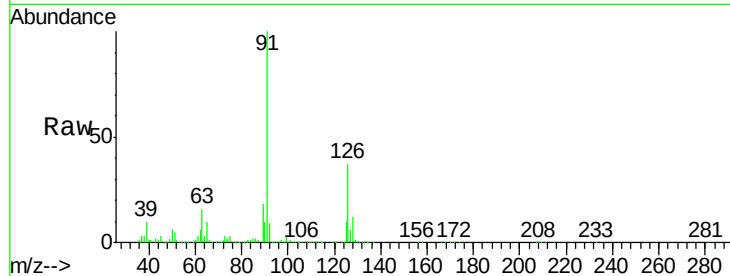
126 37.1 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 121.191 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF058115.D

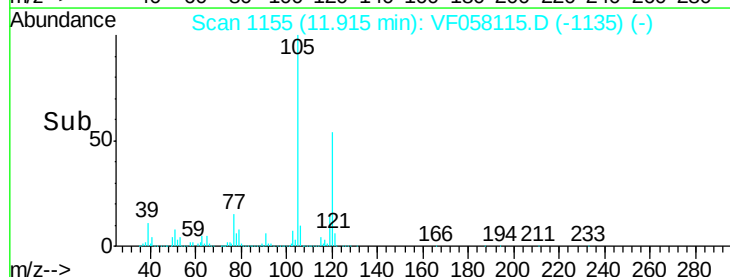
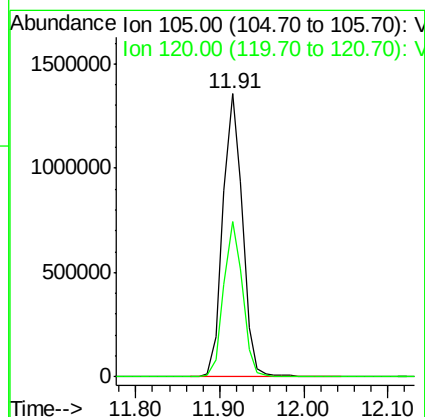
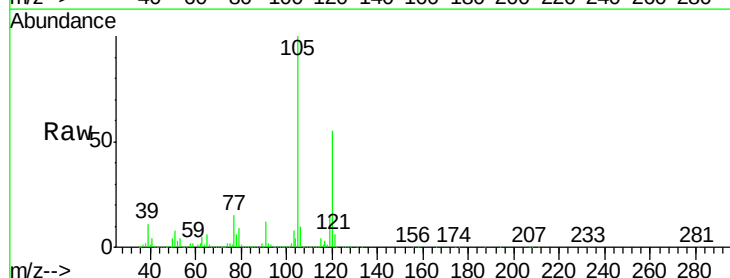
Acq: 6 Jun 2018 19:05

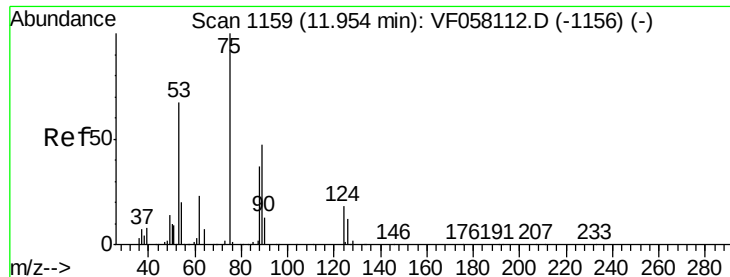
Tgt Ion:105 Resp: 2191922

Ion Ratio Lower Upper

105 100

120 54.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 141.092 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 340768
Ion Ratio Lower Upper

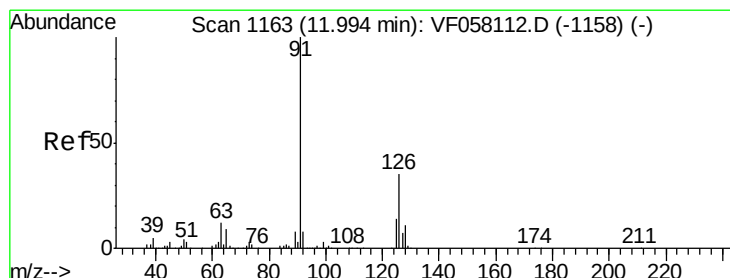
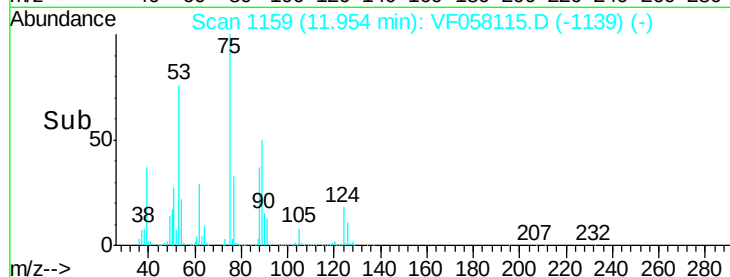
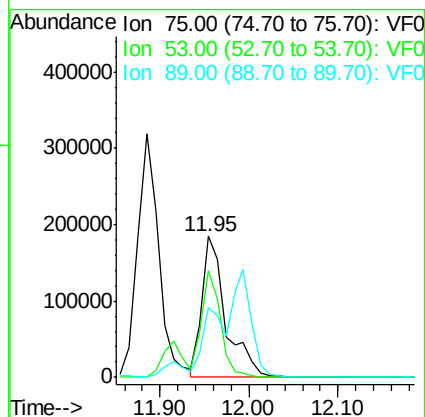
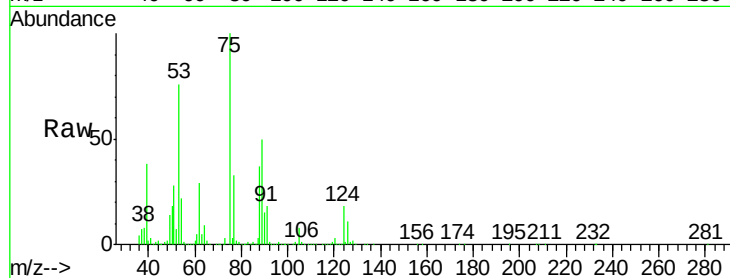
75 100

53 75.5 58.7 88.1

89 49.8 39.8 59.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 124.978 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

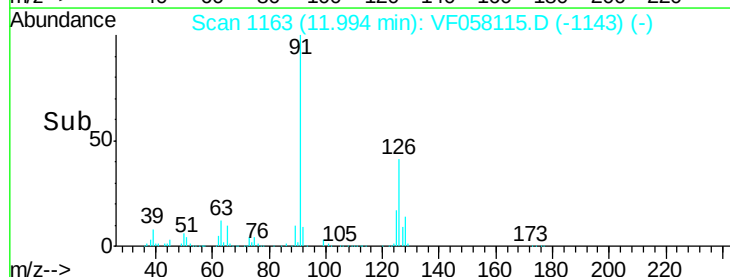
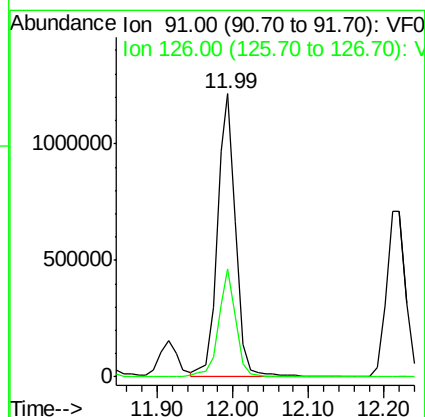
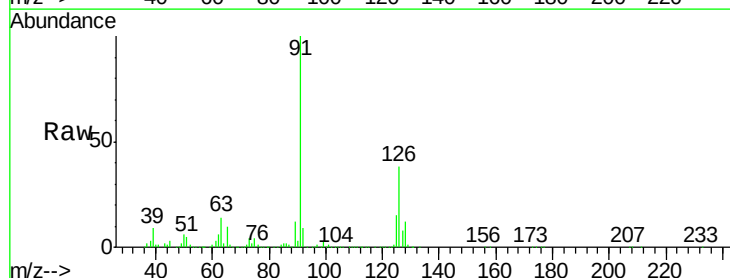
Lab File: VF058115.D

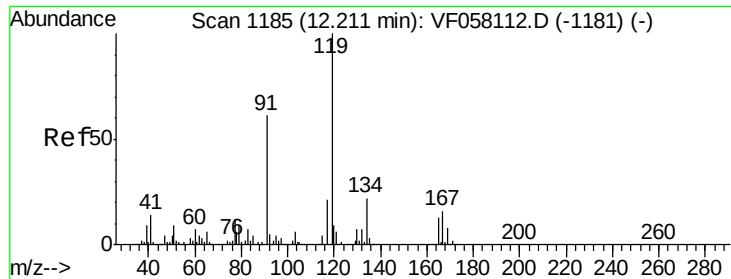
Acq: 6 Jun 2018 19:05

Tgt Ion: 91 Resp: 2029774
Ion Ratio Lower Upper

91 100

126 38.0 17.4 52.2





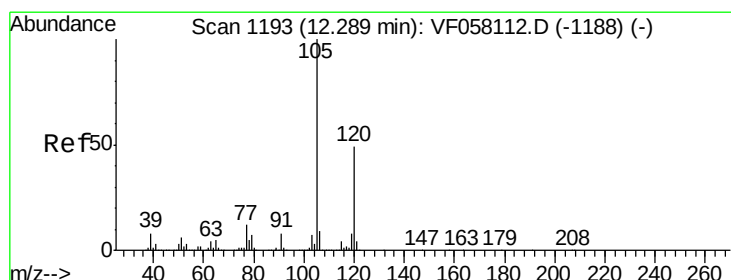
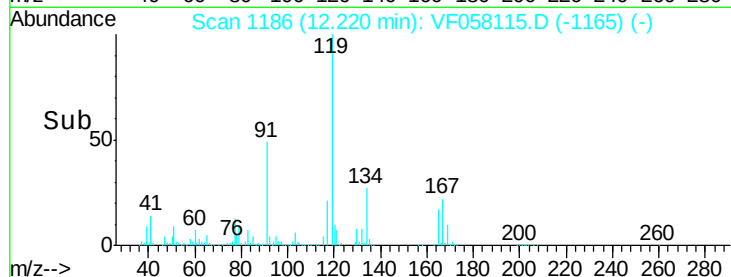
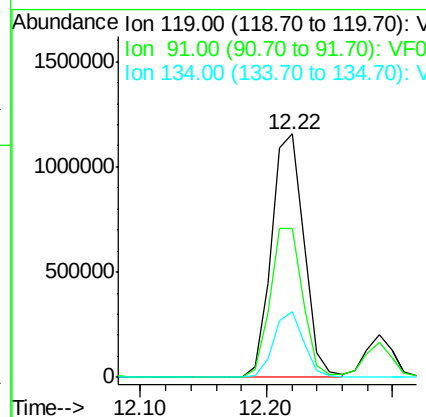
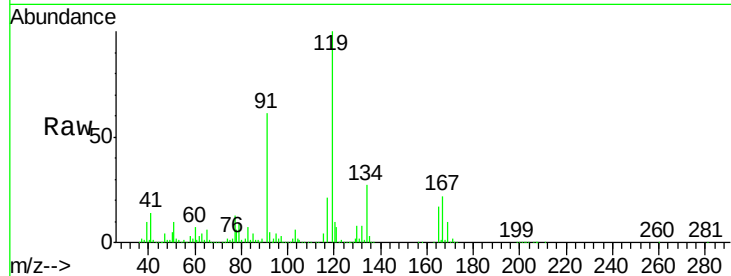
#83
 tert-Butylbenzene
 Concen: 114.734 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 2075441
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.4 91.3
 134 26.7 11.2 33.5

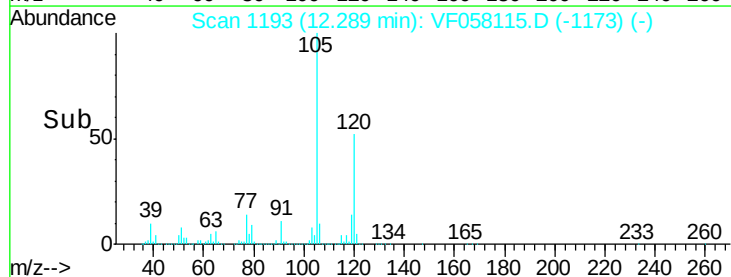
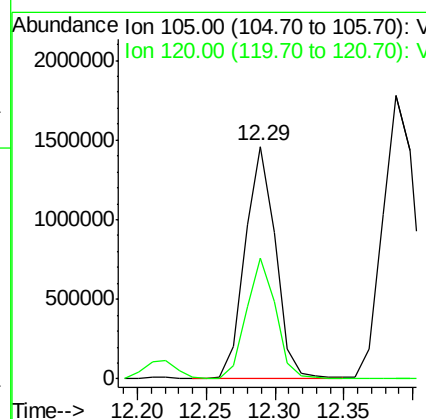
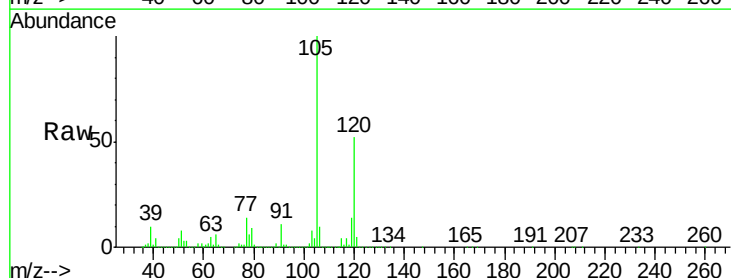
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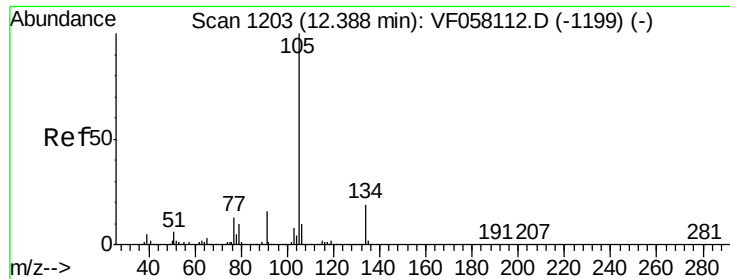
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#84
 1,2,4-Trimethylbenzene
 Concen: 120.008 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Tgt Ion:105 Resp: 2251661
 Ion Ratio Lower Upper
 105 100
 120 52.1 24.7 74.1





#85

sec-Butylbenzene

Concen: 119.930 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 2938607

Ion Ratio Lower Upper

105 100

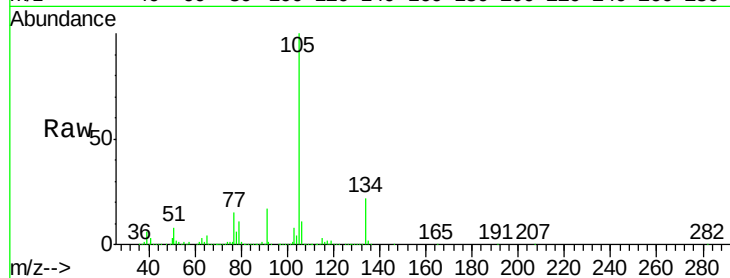
134 21.9 9.6 28.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

2000000

1500000

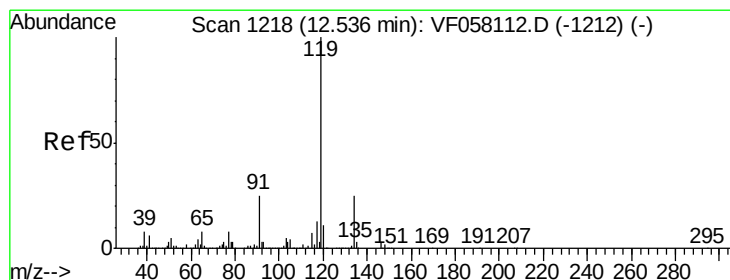
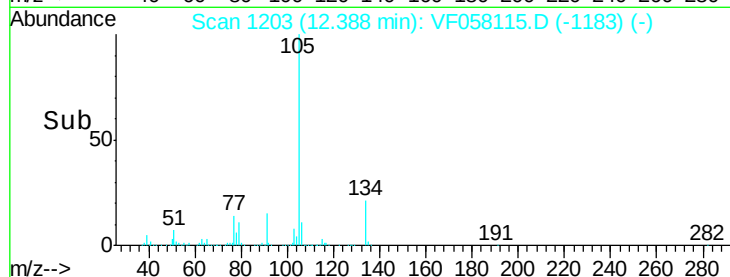
1000000

500000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 114.762 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

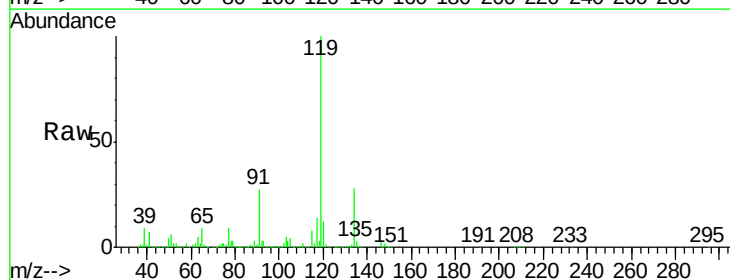
Tgt Ion:119 Resp: 2344235

Ion Ratio Lower Upper

119 100

134 27.8 12.7 38.0

91 27.3 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

1500000

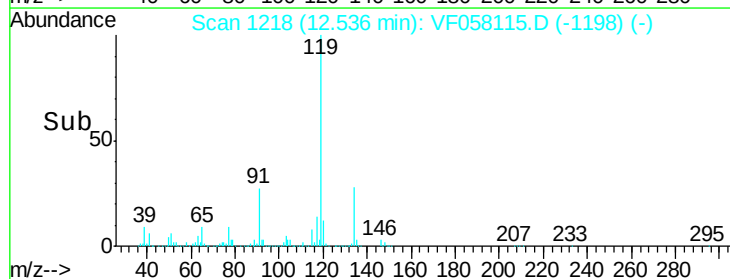
1000000

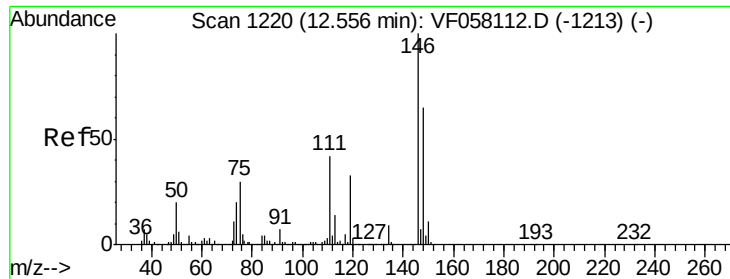
500000

0

12.40 12.60

Time-->





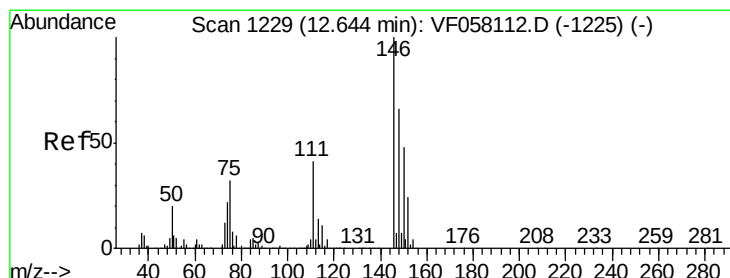
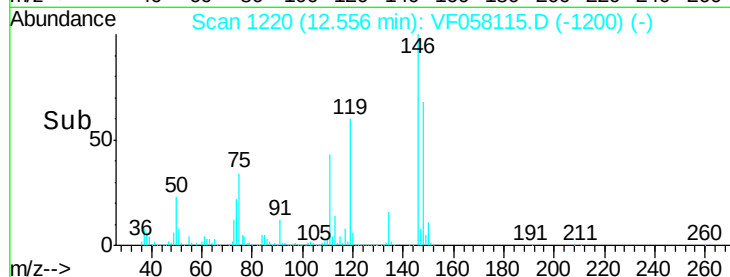
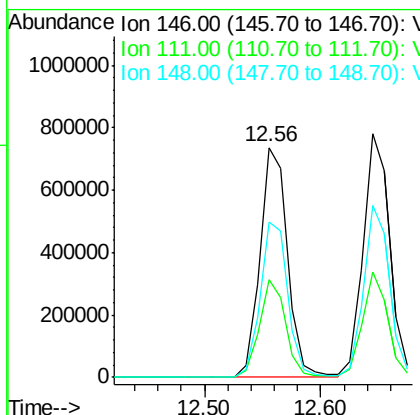
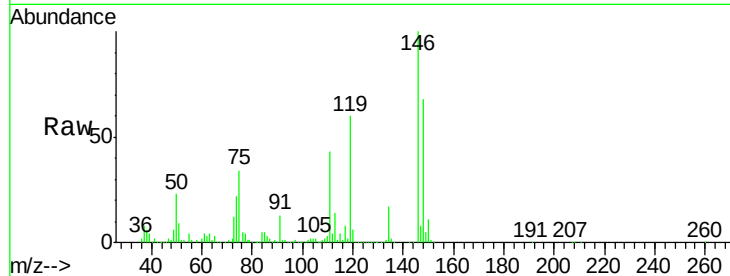
#87
 1,3-Dichlorobenzene
 Concen: 120.433 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1207043
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.8 62.5
 148 67.8 32.3 96.9

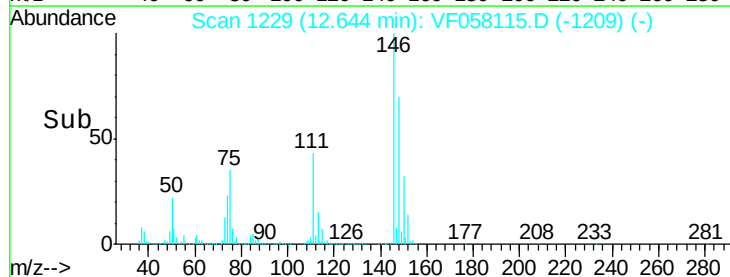
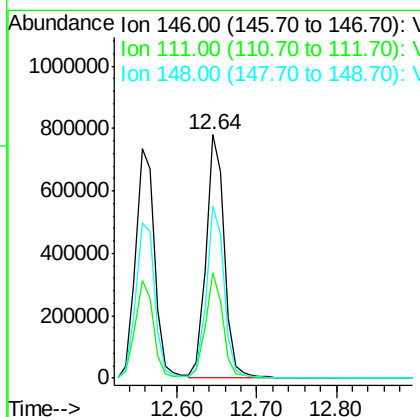
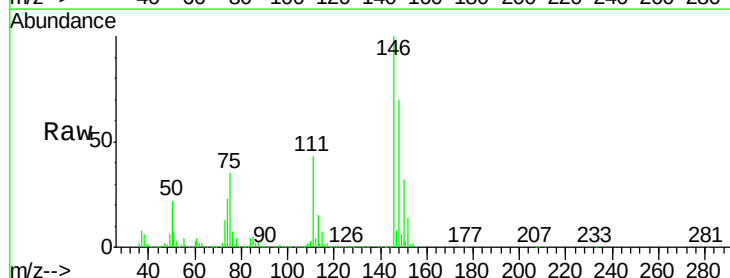
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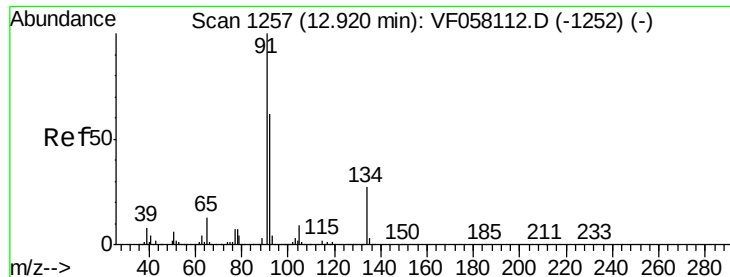
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 129.768 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF058115.D
 Acq: 6 Jun 2018 19:05

Tgt Ion:146 Resp: 1248670
 Ion Ratio Lower Upper
 146 100
 111 43.3 20.4 61.2
 148 70.5 33.0 99.0





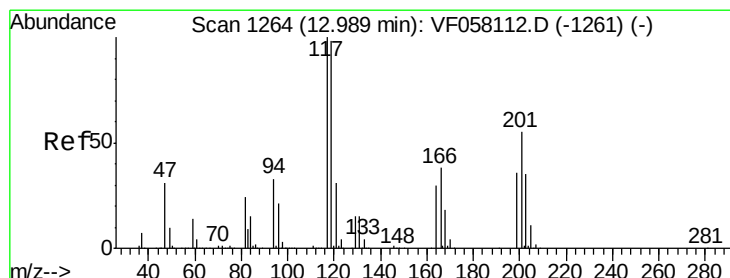
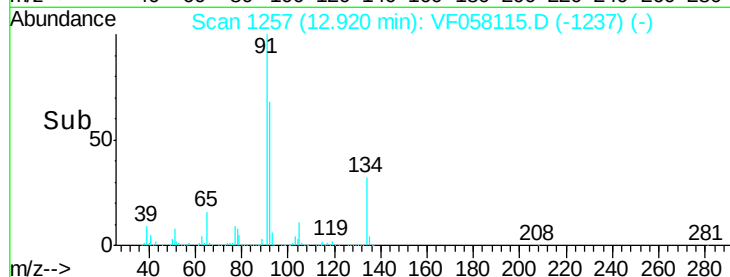
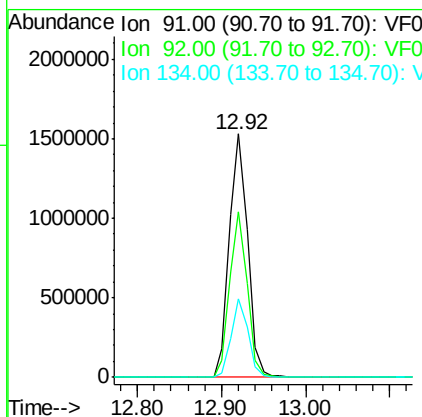
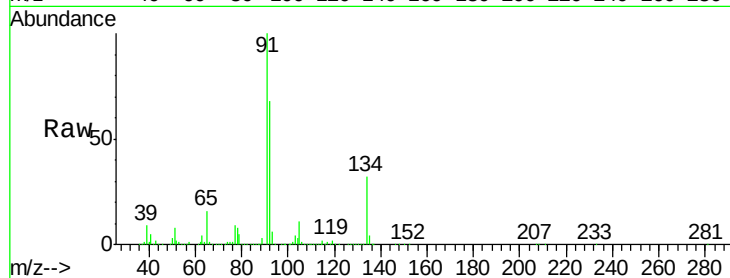
#89
n-Butylbenzene
Concen: 109.054 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 2321723
Ion Ratio Lower Upper
91 100
92 68.1 31.1 93.5
134 32.2 13.6 40.8

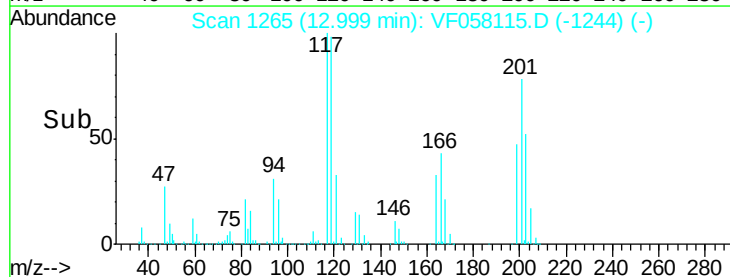
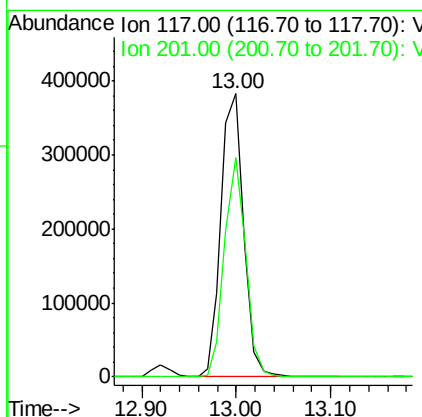
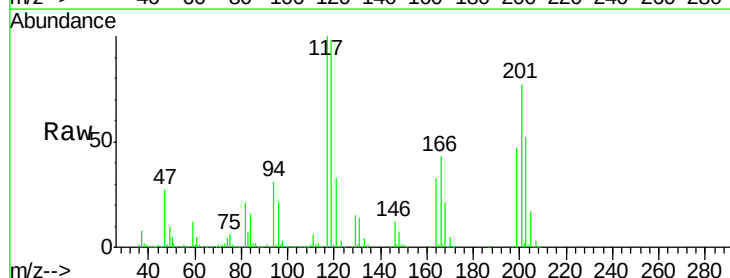
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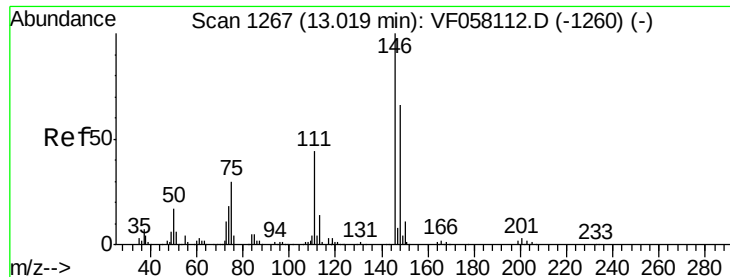
apatel
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#90
Hexachloroethane
Concen: 128.641 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion: 117 Resp: 633726
Ion Ratio Lower Upper
117 100
201 77.4 27.5 82.4





#91

1,2-Dichlorobenzene

Concen: 125.687 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 1222842

Ion Ratio Lower Upper

146 100

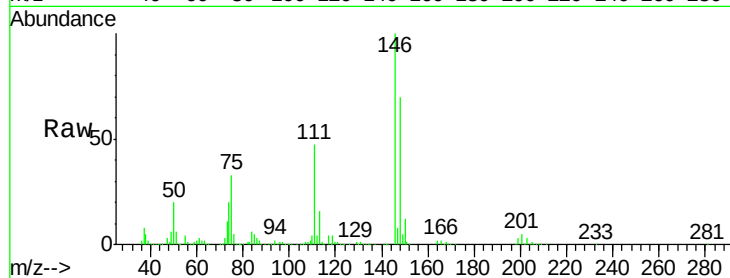
111 46.5 22.0 66.0

148 70.3 33.1 99.3

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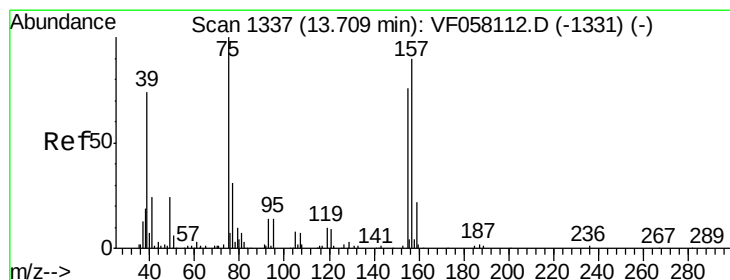
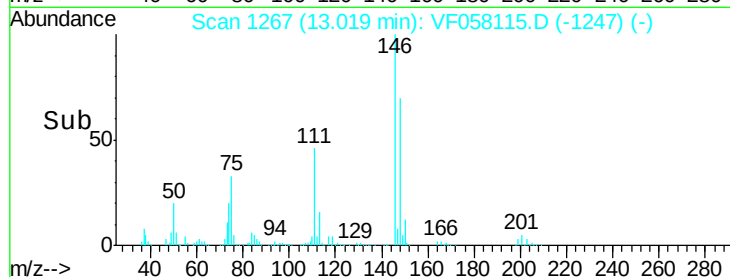
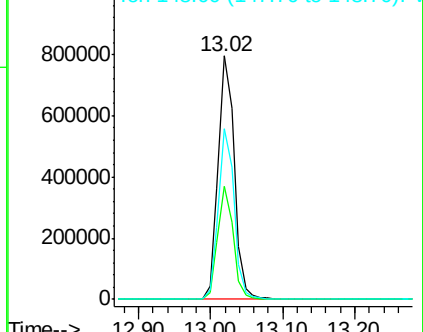
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 148.707 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF058115.D

Acq: 6 Jun 2018 19:05

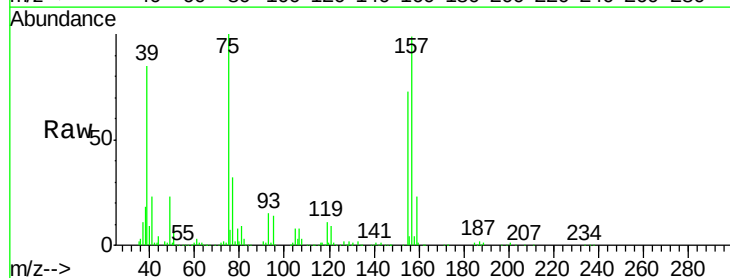
Tgt Ion: 75 Resp: 148230

Ion Ratio Lower Upper

75 100

155 72.9 38.0 114.0

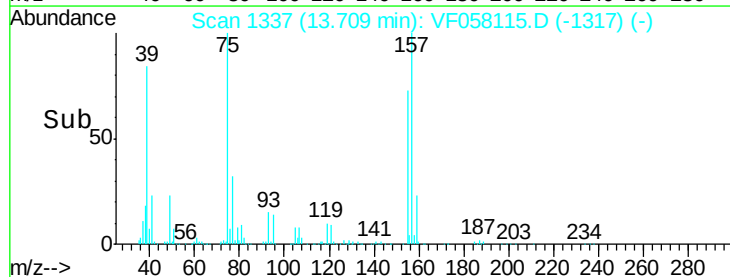
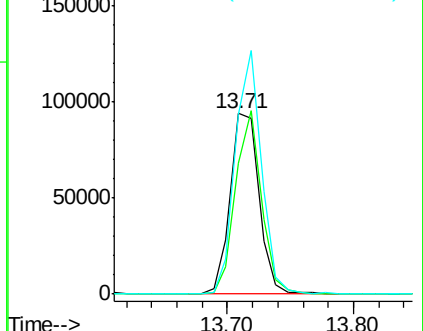
157 99.2 45.1 135.5

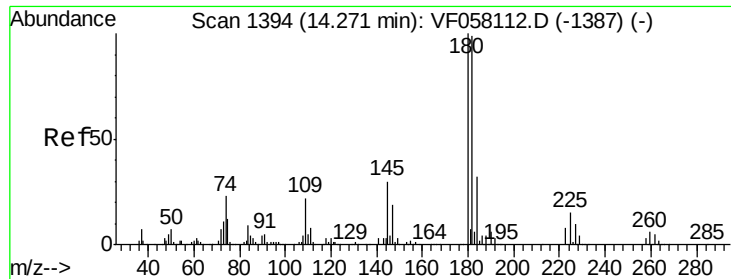


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





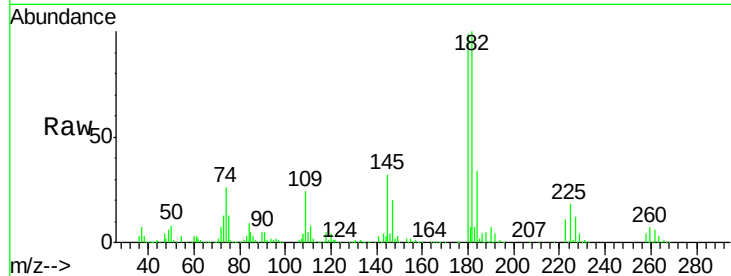
#93
1,2,4-Trichlorobenzene
Concen: 121.385 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

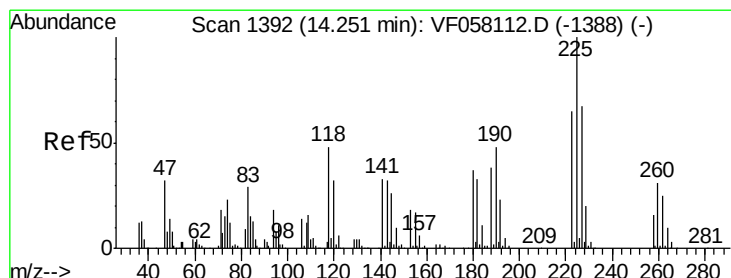
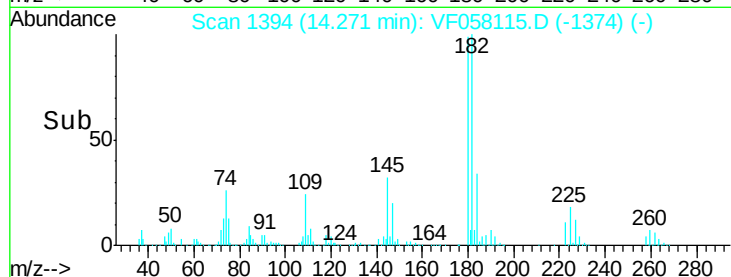
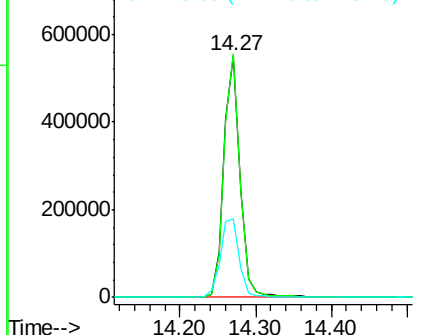
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	828302		
182	100.8	49.3	147.9	
145	32.7	14.9	44.9	

Manual Integrations
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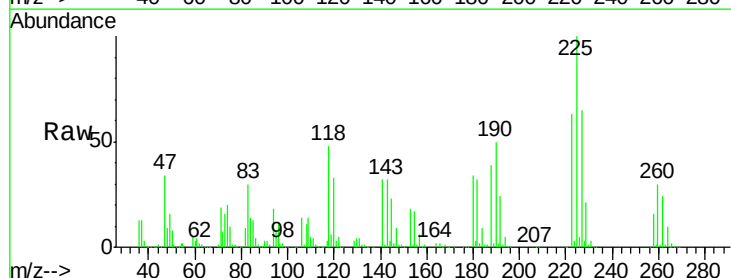


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

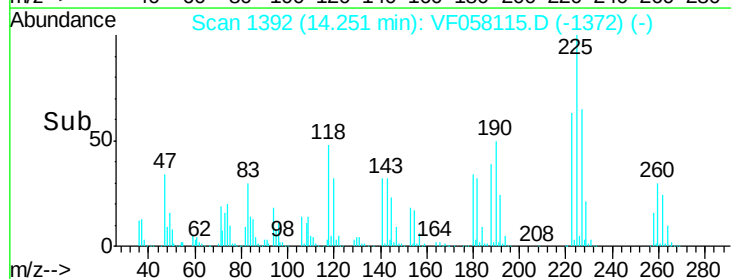
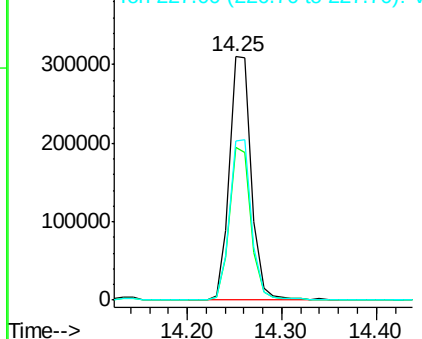


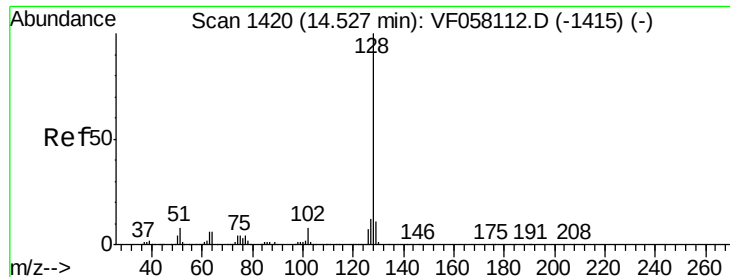
#94
Hexachlorobutadiene
Concen: 127.186 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	501051		
223	62.7	32.8	98.3	
227	65.3	33.3	99.9	



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





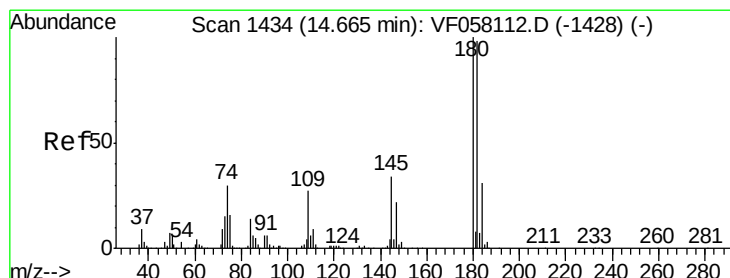
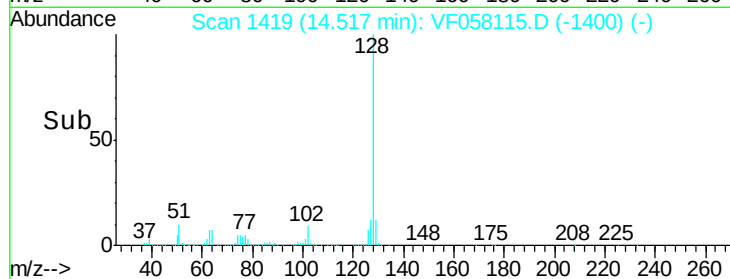
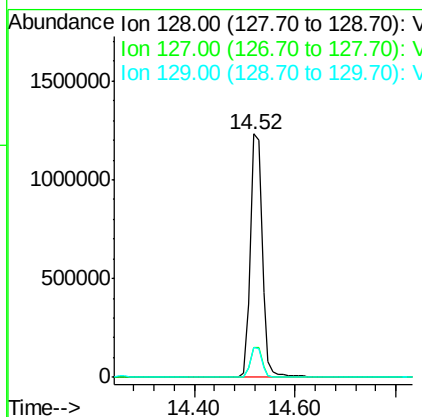
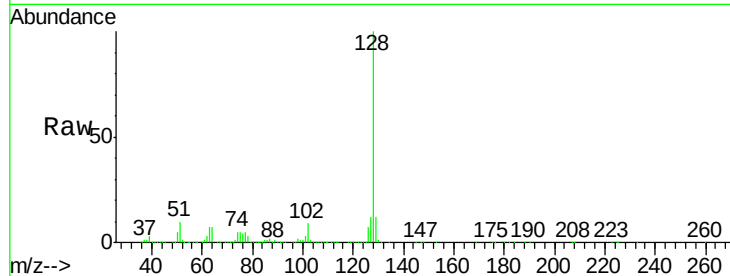
#95
Naphthalene
Concen: 140.034 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	12.3	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 131.067 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF058115.D
Acq: 6 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.9	146.6
145	34.7	17.3	51.7

