

Data File : VF058111.D
Acq On : 6 Jun 2018 17:13
Operator : JC/SY
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:42 PM

Quant Time: Jun 07 06:52:10 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	347657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	561785	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	546947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	317684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	80545	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	
35) Dibromofluoromethane	4.28	113	80299	19.27	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	38.54%	
50) Toluene-d8	7.71	98	225863	18.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.58%	
62) 4-Bromofluorobenzene	11.51	95	119331	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	82368	19.618	ug/l	100
3) Chloromethane	1.08	50	58784	17.672	ug/l	97
4) Vinyl Chloride	1.15	62	53432	19.240	ug/l #	85
5) Bromomethane	1.34	94	30091	19.136	ug/l	90
6) Chloroethane	1.43	64	22454	18.980	ug/l	96
7) Trichlorofluoromethane	1.49	101	84565m	20.047	ug/l	
8) Diethyl Ether	1.70	74	20226	19.689	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	53197	20.461	ug/l	97
10) Methyl Iodide	1.96	142	94656	20.478	ug/l	98
11) Tert butyl alcohol	2.69	59	25054	101.404	ug/l	97
12) 1,1-Dichloroethene	1.85	96	45545	20.133	ug/l	98
13) Acrolein	2.09	56	25921	161.279	ug/l	99
14) Allyl chloride	2.19	41	89268	20.640	ug/l	92
15) Acrylonitrile	3.07	53	52563	92.027	ug/l	95
16) Acetone	2.33	43	98075	103.658	ug/l	92
17) Carbon Disulfide	1.84	76	124312m	19.149	ug/l	
18) Methyl Acetate	2.45	43	31786	18.015	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	142838	20.162	ug/l	96
20) Methylene Chloride	2.27	84	46540m	20.092	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	50263	20.582	ug/l	93
22) Diisopropyl ether	2.92	45	176657	20.866	ug/l	95
23) Vinyl Acetate	3.33	43	623136	100.453	ug/l	99
24) 1,1-Dichloroethane	3.00	63	110264	21.025	ug/l	99
25) 2-Butanone	4.51	43	154046	100.370	ug/l	99
26) 2,2-Dichloropropane	3.76	77	79361	21.412	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	80764	19.888	ug/l	97
28) Bromochloromethane	3.89	49	53712	23.183	ug/l	88
29) Tetrahydrofuran	4.26	42	70956	100.158	ug/l	98
30) Chloroform	4.03	83	157568	20.028	ug/l	97
31) Cyclohexane	3.86	56	91502	18.538	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	119816	21.456	ug/l	91
36) 1,1-Dichloropropene	4.45	75	105942	18.646	ug/l	97
37) Ethyl Acetate	4.29	43	72807	21.731	ug/l #	81
38) Carbon Tetrachloride	4.17	117	122578m	20.306	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	108377	18.459	ug/l	98
40) Benzene	4.81	78	254202	19.109	ug/l	94
41) Methacrylonitrile	4.92	41	32732	19.292	ug/l #	89
42) 1,2-Dichloroethane	5.11	62	115600	20.237	ug/l	97
43) Isopropyl Acetate	7.11	43	84828	18.676	ug/l #	96
44) Trichloroethene	5.67	130	79067	19.083	ug/l	93
45) 1,2-Dichloropropane	6.40	63	75043	19.405	ug/l	96
46) Dibromomethane	6.26	93	54458	18.655	ug/l	91
47) Bromodichloromethane	6.55	83	126143	19.585	ug/l	97
48) Methyl methacrylate	6.87	41	54431	18.958	ug/l	97
49) 1,4-Dioxane	6.87	88	8123	410.017	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	313668	99.479	ug/l	100
52) Toluene	7.77	92	183221	19.398	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	122057	19.836	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	146640	20.742	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	68990	20.091	ug/l	98
56) Ethyl methacrylate	8.76	69	82562	19.011	ug/l	97
57) 1,3-Dichloropropane	9.00	76	117755	19.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	30062	100.127	ug/l	100
59) 2-Hexanone	9.63	43	242750	98.318	ug/l	97
60) Dibromochloromethane	8.86	129	96683	19.801	ug/l	96
61) 1,2-Dibromoethane	9.13	107	77849	19.002	ug/l	97
64) Tetrachloroethene	8.31	164	77705	18.821	ug/l	87
65) Chlorobenzene	9.94	112	223163	20.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	90749	20.949	ug/l	96
67) Ethyl Benzene	10.04	91	393524	20.204	ug/l	98
68) m/p-Xylenes	10.27	106	303826	42.074	ug/l	97
69) o-Xylene	10.83	106	159797	20.317	ug/l	97
70) Styrene	10.90	104	239908	20.343	ug/l	99
71) Bromoform	10.89	173	59397	19.938	ug/l #	94
73) Isopropylbenzene	11.22	105	463058	20.525	ug/l	96
74) N-amyl acetate	11.46	43	165990	19.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	107622	19.915	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	78631	19.940	ug/l	96
77) Bromobenzene	11.59	156	114485	20.364	ug/l	99
78) n-propylbenzene	11.69	91	543490	20.161	ug/l	96
79) 2-Chlorotoluene	11.82	91	321549	20.192	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	380897	20.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	50292	20.137	ug/l	98
82) 4-Chlorotoluene	11.99	91	342123	20.371	ug/l	99
83) tert-Butylbenzene	12.21	119	390627	20.883	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	391994	20.204	ug/l	96
85) sec-Butylbenzene	12.39	105	508811	20.081	ug/l	99
86) p-Isopropyltoluene	12.54	119	432730	20.486	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	213428	20.593	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	206117	20.715	ug/l	97
89) n-Butylbenzene	12.92	91	467807	21.249	ug/l	95
90) Hexachloroethane	12.99	117	105478	20.706	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	204396	20.316	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	20861	20.239	ug/l	65

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	144372	20.460	ug/l	99
94) Hexachlorobutadiene	14.25	225	81317	19.961	ug/l	97
95) Naphthalene	14.53	128	299201	19.863	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	134317	20.204	ug/l	98

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

Data File : VF058111.D

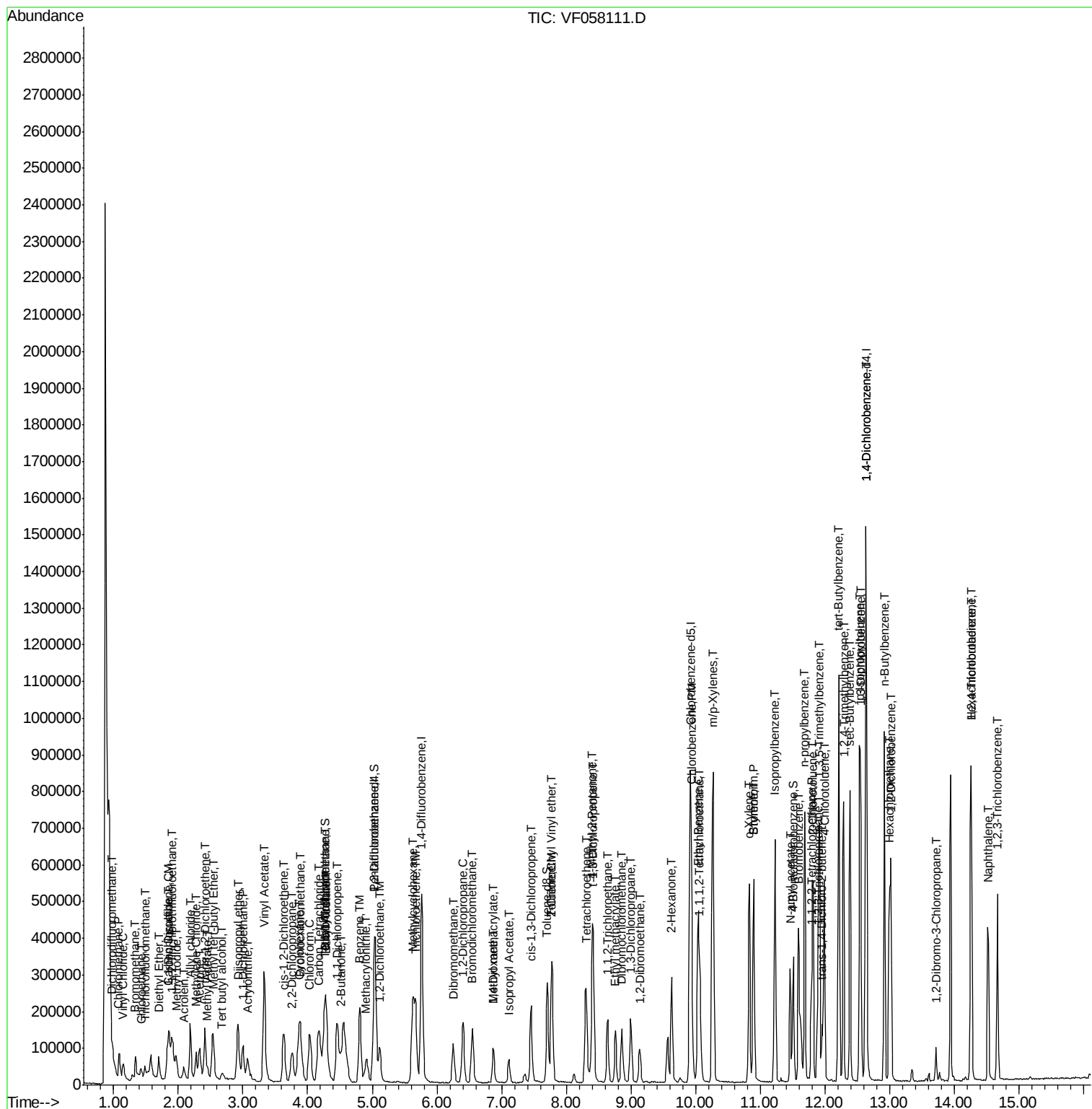
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Acq On       : 6 Jun 2018 17:13
Operator    : JC/SY
Sample      : VSTDIC020
Misc       : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial    : 5      Sample Multiplier: 1
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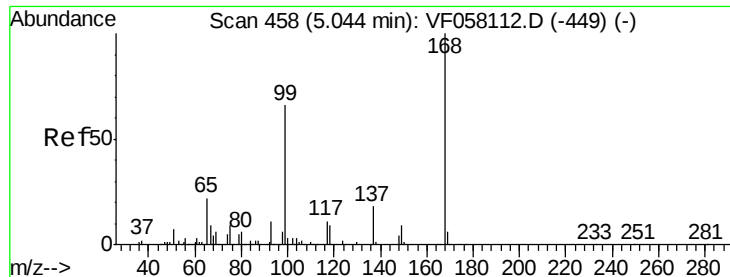
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC020

Manual Integrations
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6/7/2018 12:37:42 PM

Quant Time: Jun 07 06:52:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 347657

Ion Ratio Lower Upper

168 100

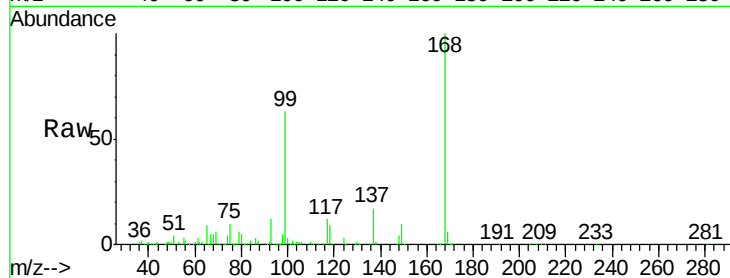
99 62.7 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

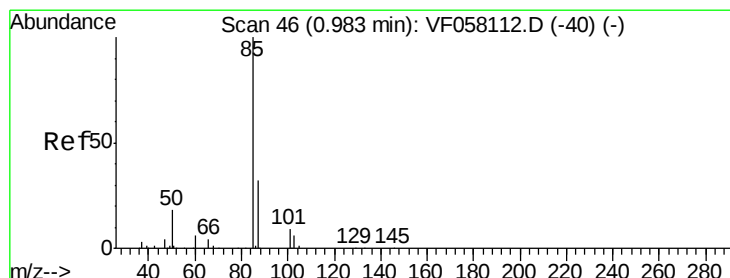
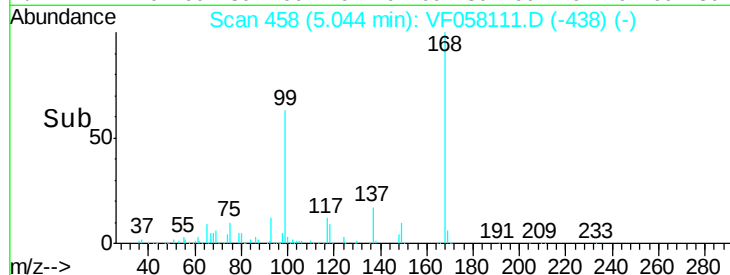
5.04

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.618 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF058111.D

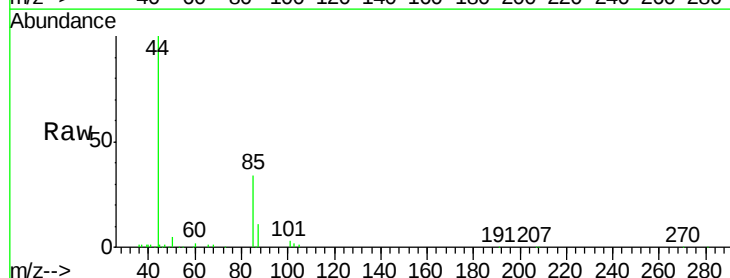
Acq: 6 Jun 2018 17:13

Tgt Ion: 85 Resp: 82368

Ion Ratio Lower Upper

85 100

87 32.5 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

25000

20000

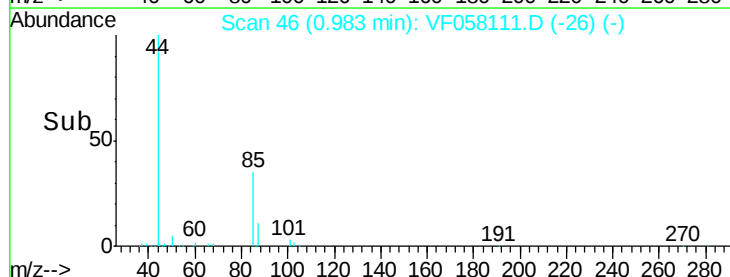
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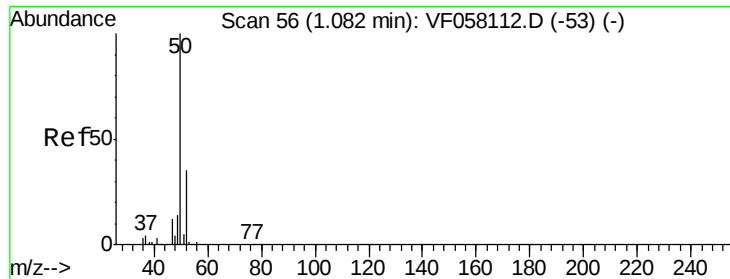
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.672 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 58784

Ion Ratio Lower Upper

50 100

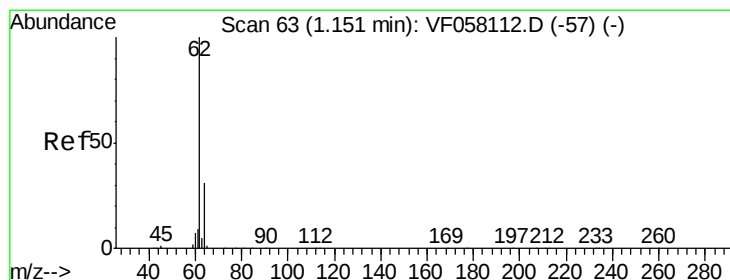
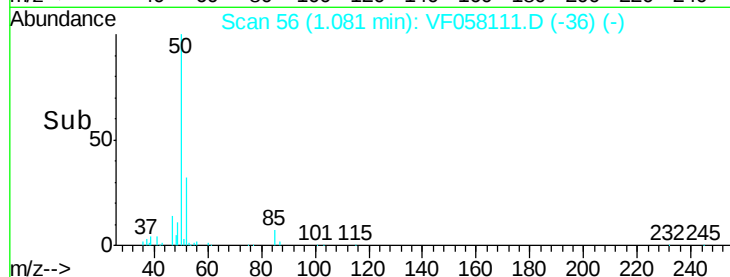
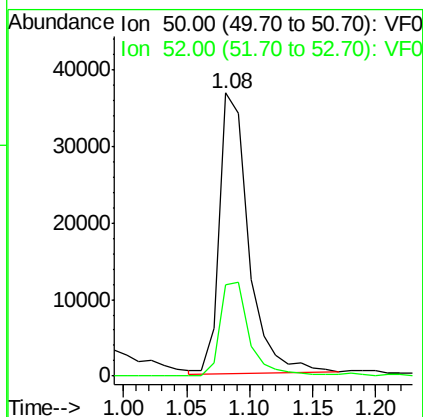
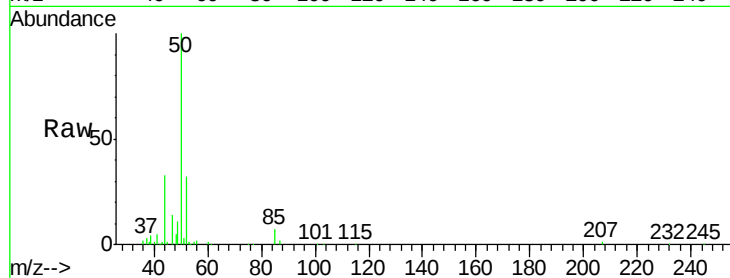
52 32.4 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.240 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF058111.D

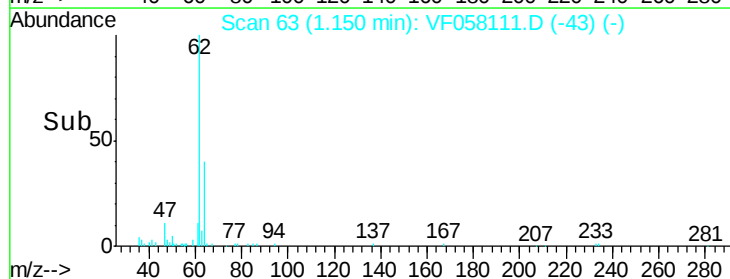
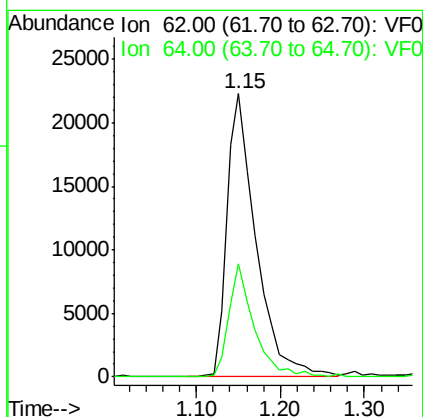
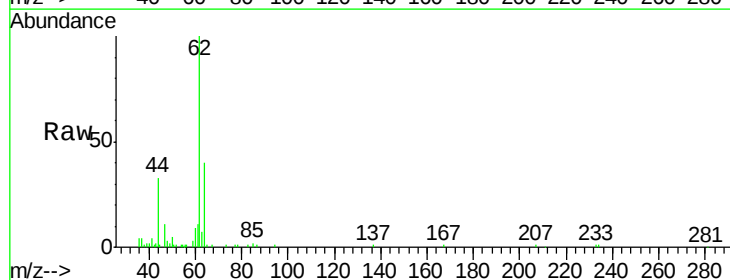
Acq: 6 Jun 2018 17:13

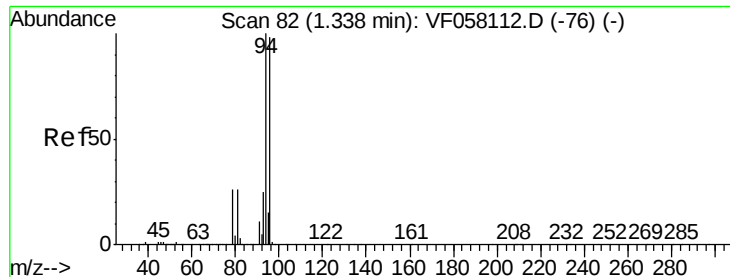
Tgt Ion: 62 Resp: 53432

Ion Ratio Lower Upper

62 100

64 39.8 25.0 37.6#





#5

Bromomethane

Concen: 19.136 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 30091

Ion Ratio Lower Upper

94 100

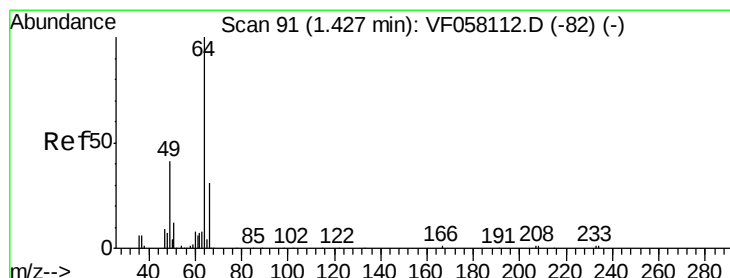
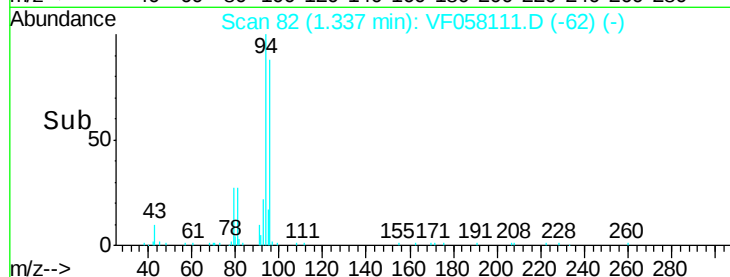
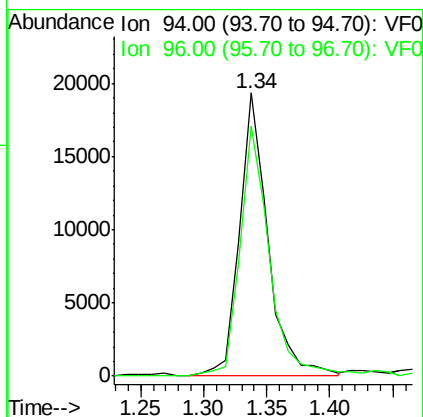
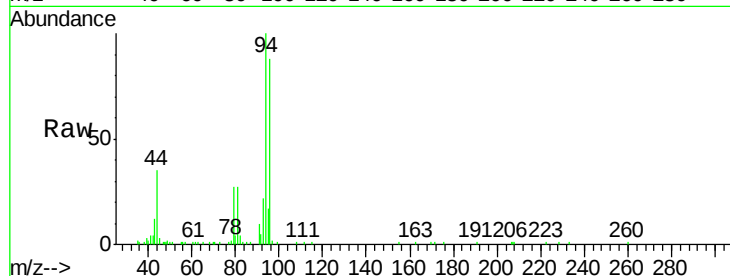
96 88.2 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 18.980 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF058111.D

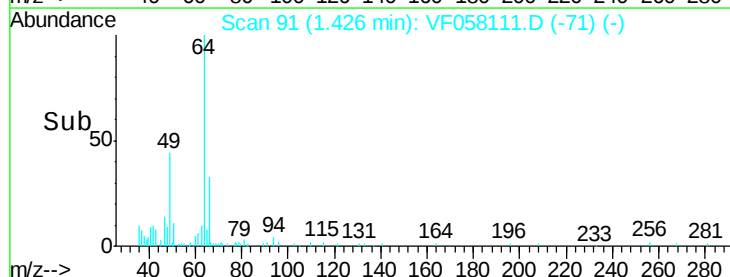
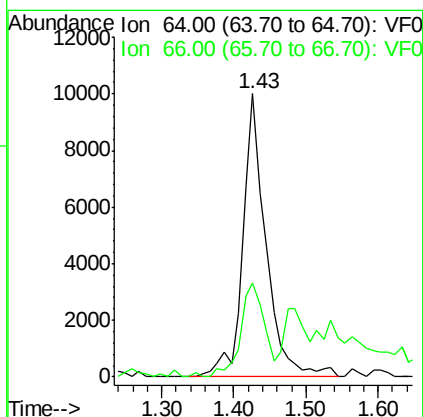
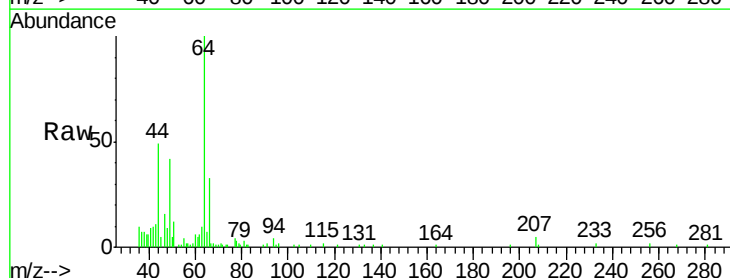
Acq: 6 Jun 2018 17:13

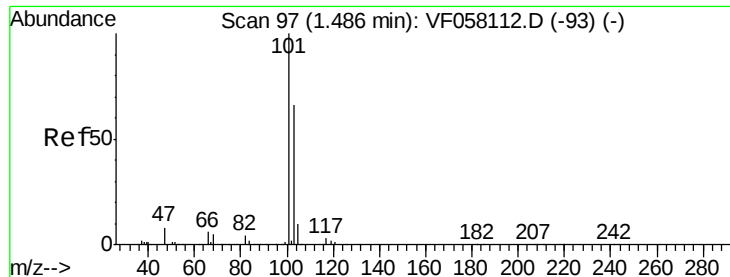
Tgt Ion: 64 Resp: 22454

Ion Ratio Lower Upper

64 100

66 33.1 24.9 37.3





#7

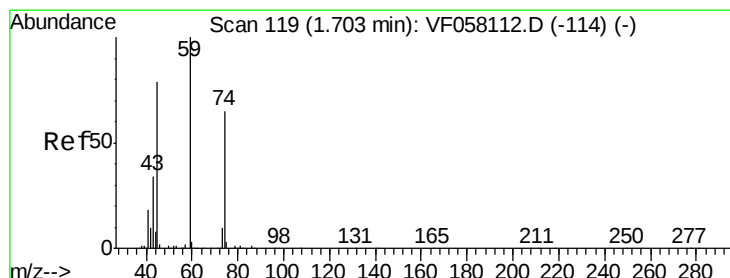
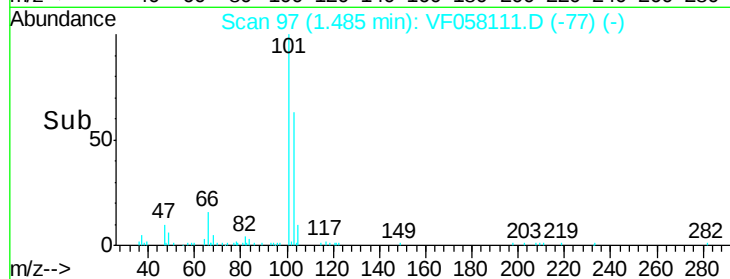
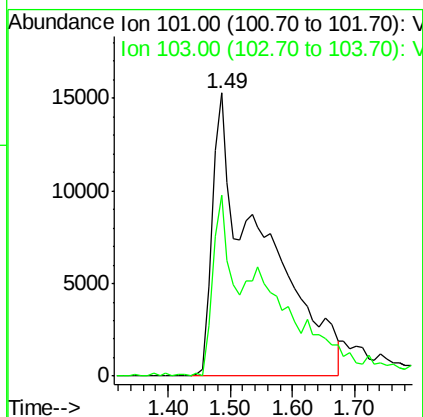
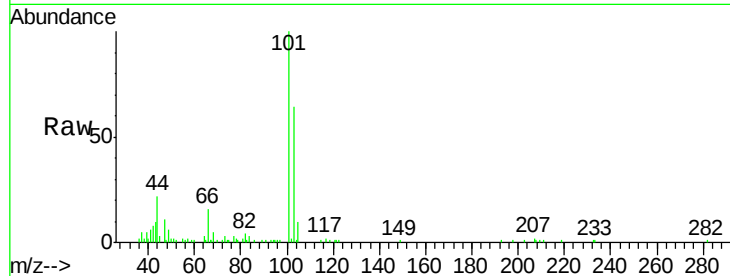
Trichlorofluoromethane
Concen: 20.047 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

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ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.4	80.2

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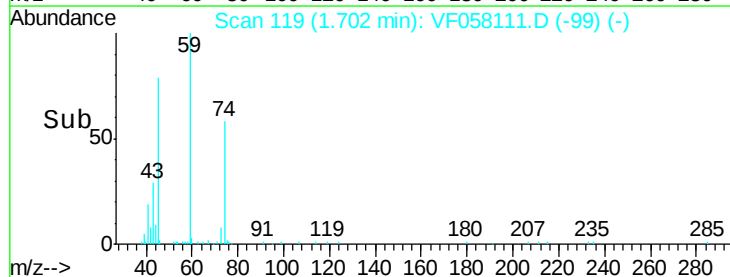
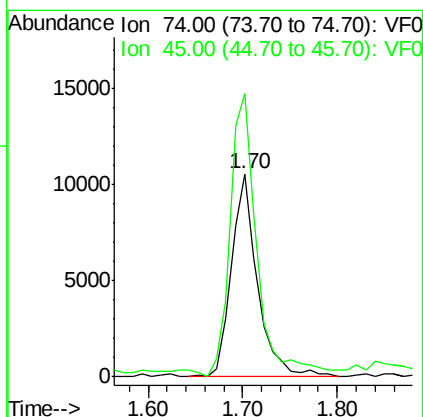
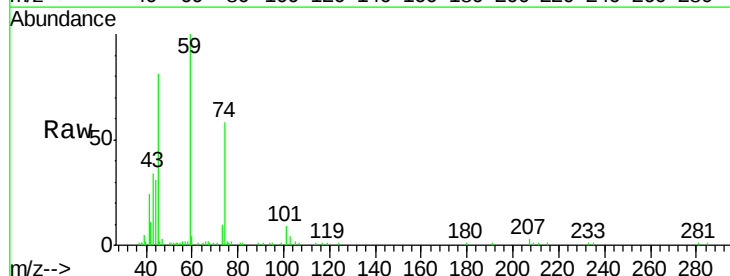
apatel
6/7/2018 12:37:42 PM

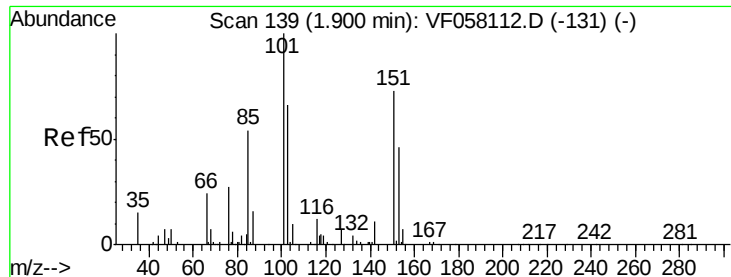


#8

Diethyl Ether
Concen: 19.689 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.2	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.461 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF058111.D

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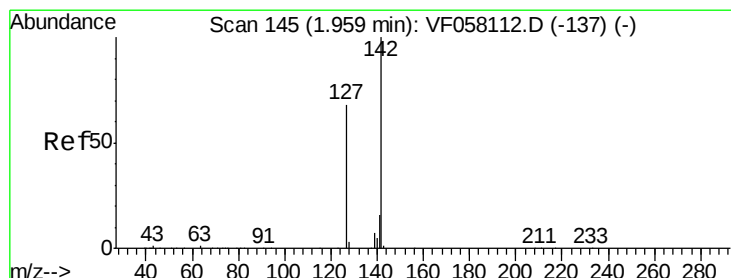
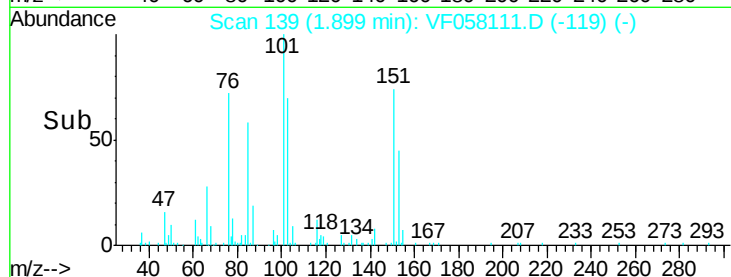
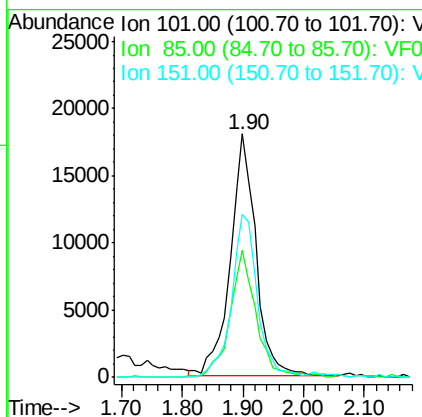
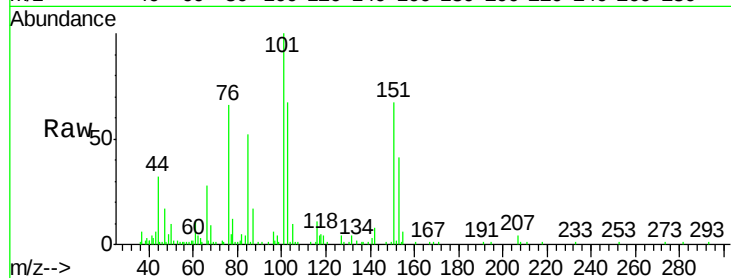
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	53197
Ion Ratio	Lower	Upper	
101	100		
85	52.5	42.2	63.4
151	67.0	56.8	85.2

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#10

Methyl Iodide

Concen: 20.478 ug/l

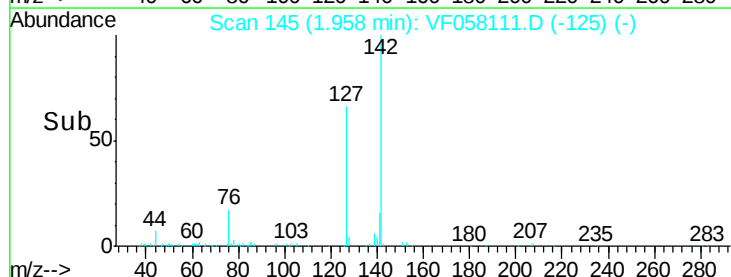
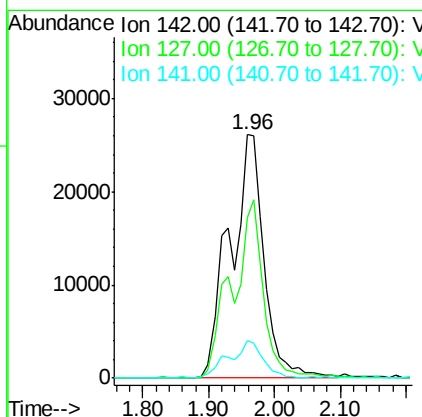
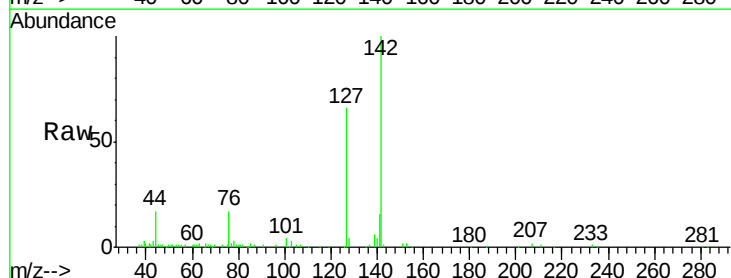
RT: 1.96 min Scan# 145

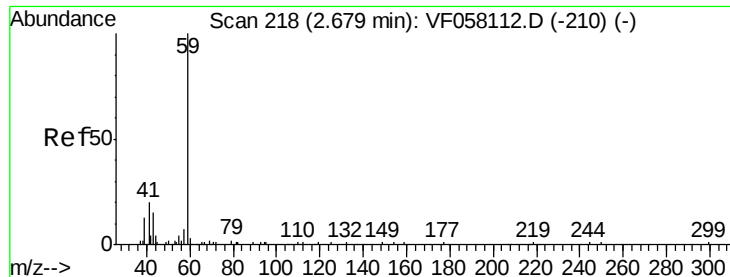
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	142	Resp:	94656
Ion Ratio	Lower	Upper	
142	100		
127	65.8	54.1	81.1
141	15.5	13.0	19.4





#11

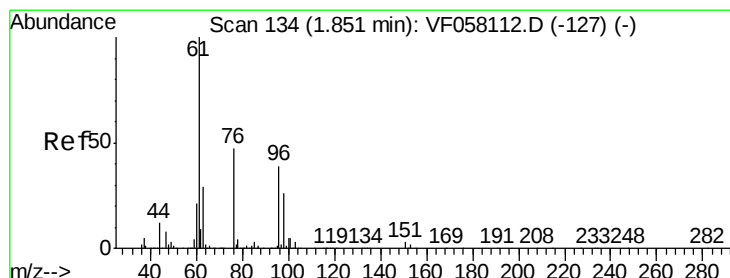
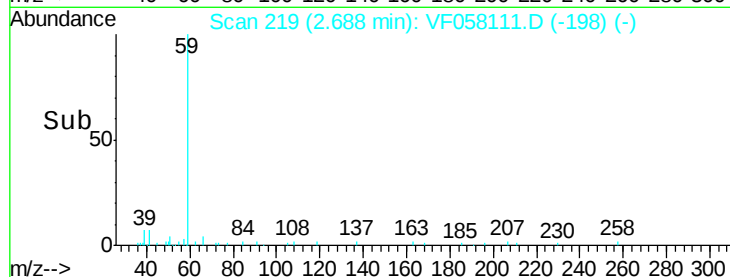
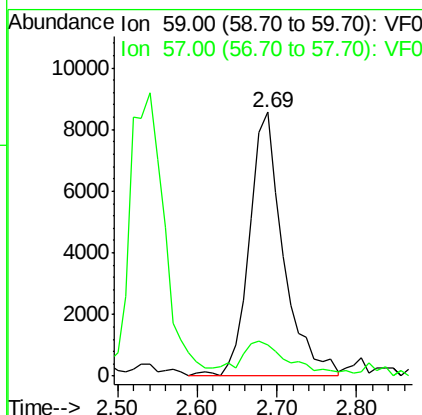
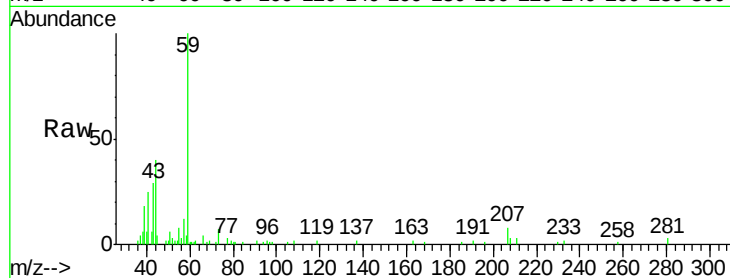
Tert butyl alcohol
Concen: 101.404 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.7	13.1

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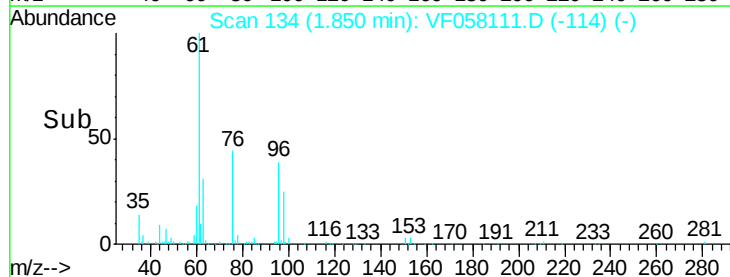
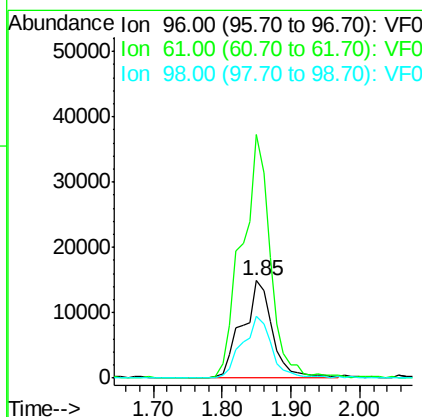
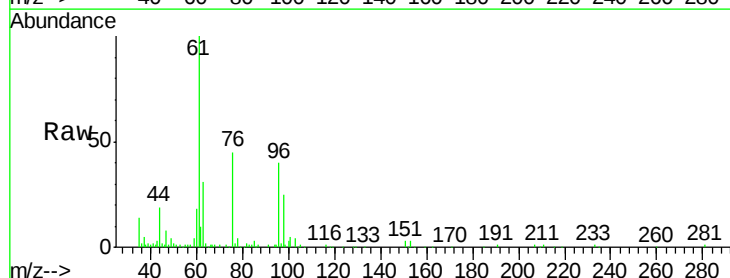
apatel
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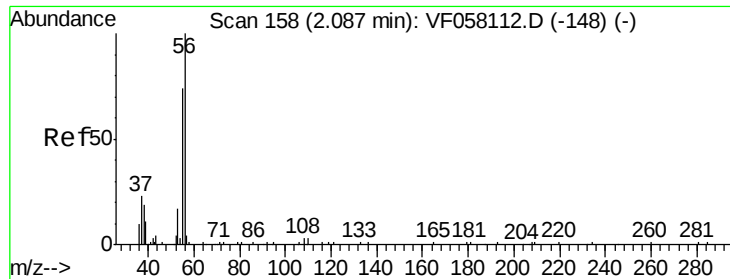


#12

1,1-Dichloroethene
Concen: 20.133 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.3	203.0	304.4
98	65.6	52.7	79.1





#13

Acrolein

Concen: 161.279 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 25921

Ion Ratio Lower Upper

56 100

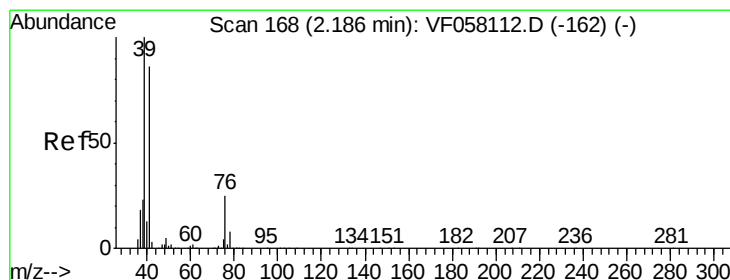
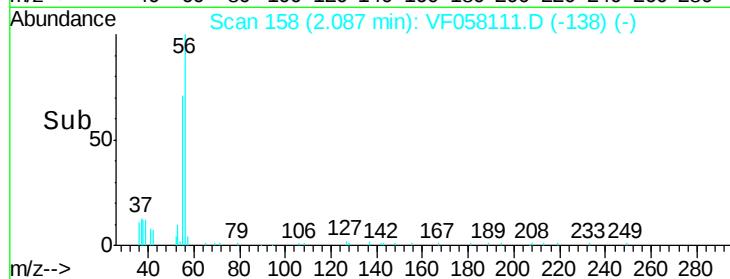
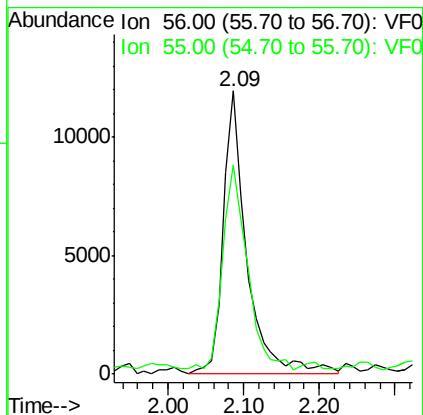
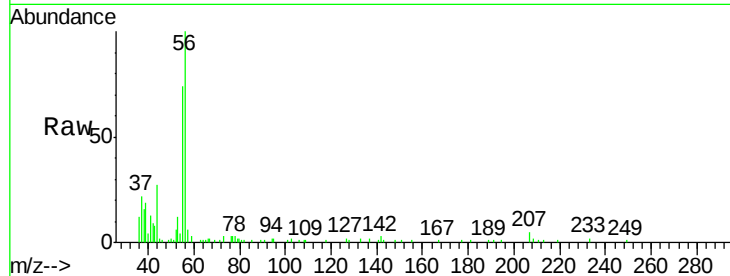
55 74.0 60.0 90.0

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#14

Allyl chloride

Concen: 20.640 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

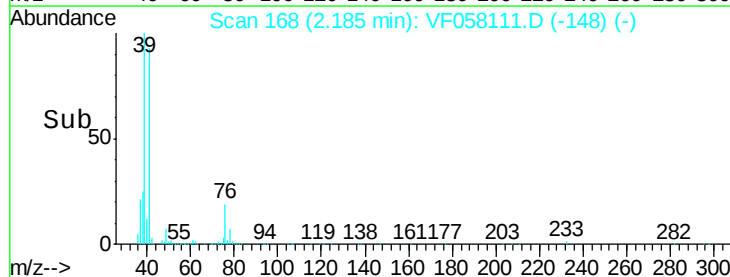
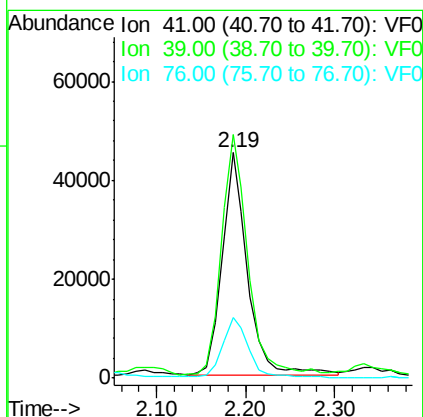
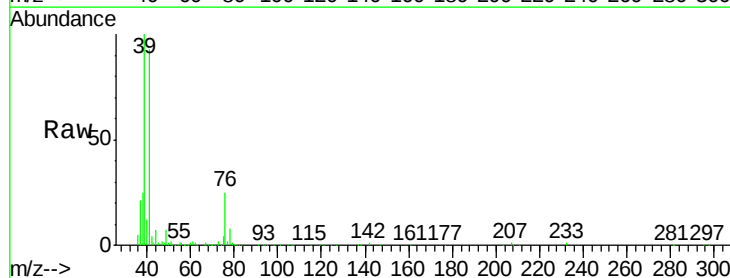
Tgt Ion: 41 Resp: 89268

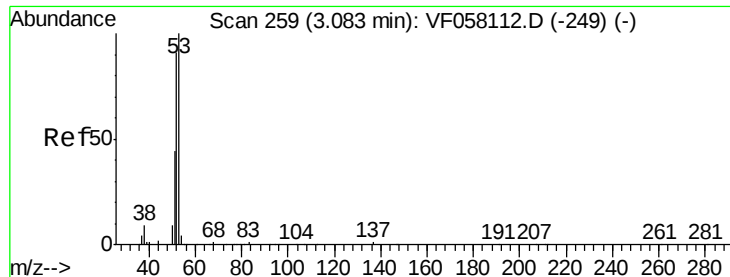
Ion Ratio Lower Upper

41 100

39 107.9 93.5 140.3

76 26.6 23.9 35.9





#15

Acrylonitrile

Concen: 92.027 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

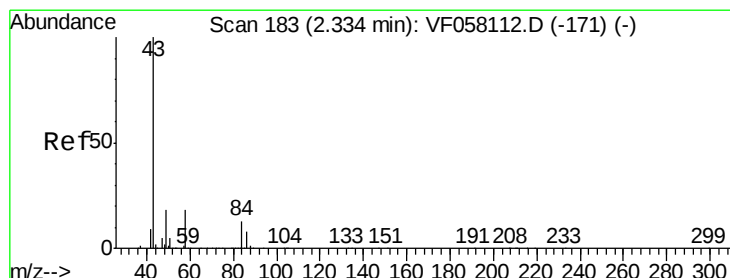
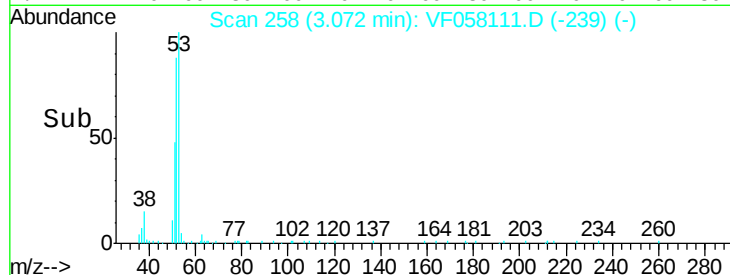
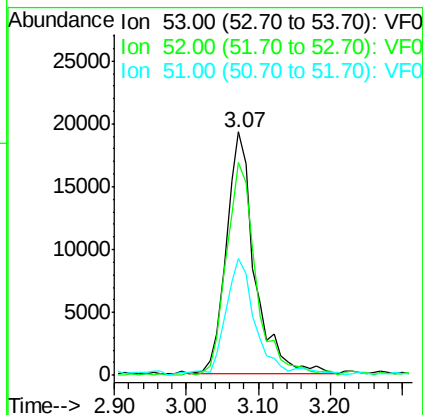
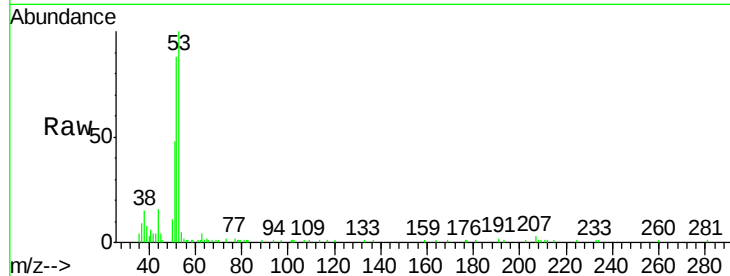
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	52563
Ion	Ratio	Lower	Upper
53	100		
52	87.7	73.2	109.8
51	48.3	35.6	53.4

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#16

Acetone

Concen: 103.658 ug/l

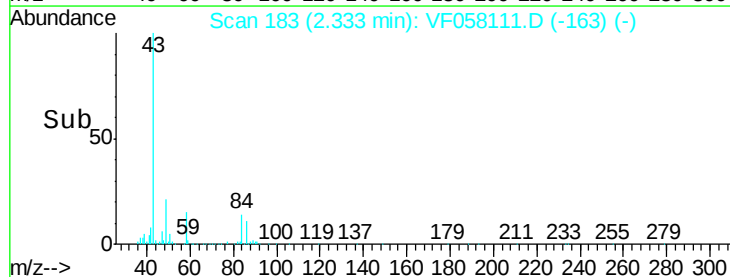
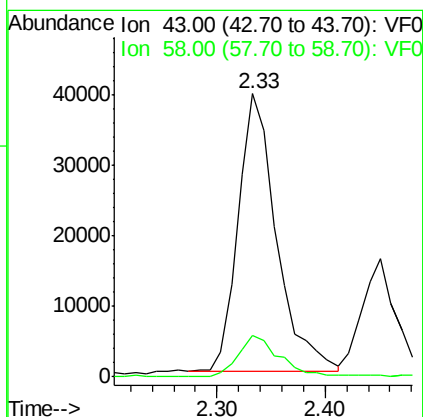
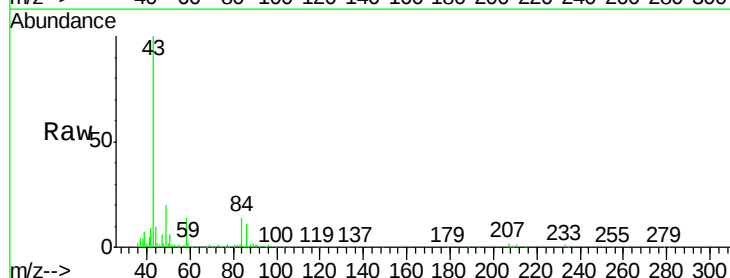
RT: 2.33 min Scan# 183

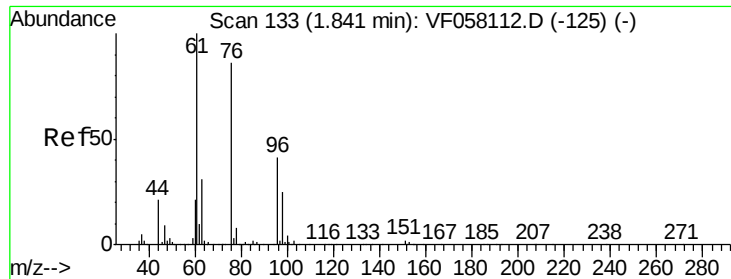
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	43	Resp:	98075
Ion	Ratio	Lower	Upper
43	100		
58	14.4	14.4	21.6





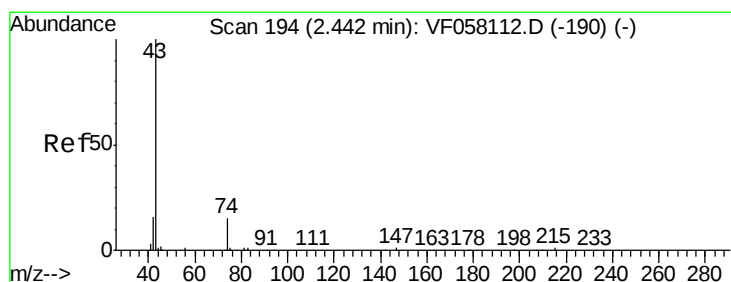
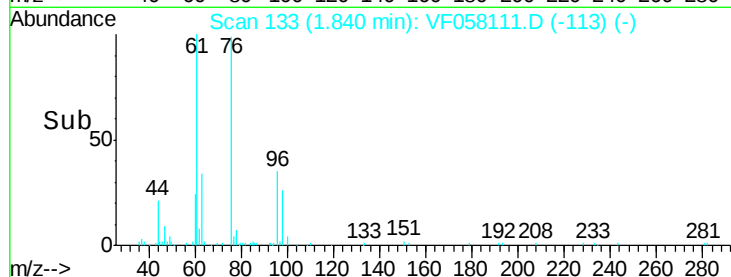
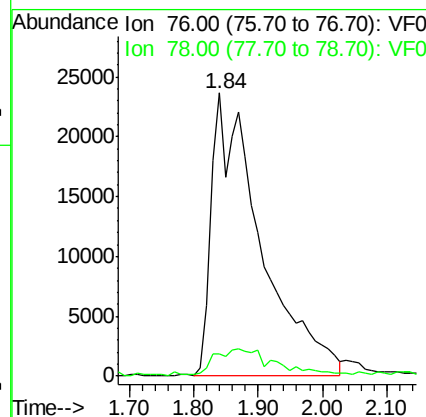
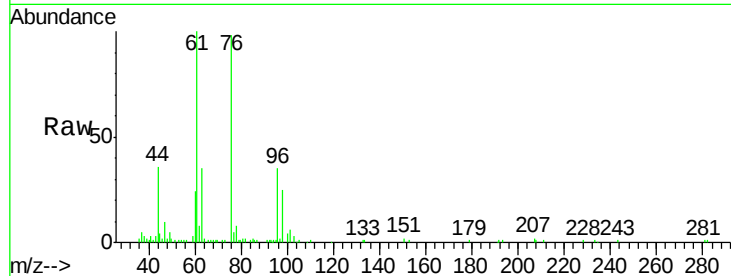
#17
Carbon Disulfide
Concen: 19.149 ug/l m
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 124312
Ion Ratio Lower Upper
76 100
78 7.9 7.8 11.8

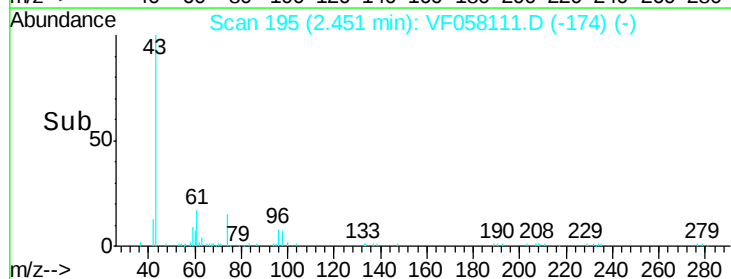
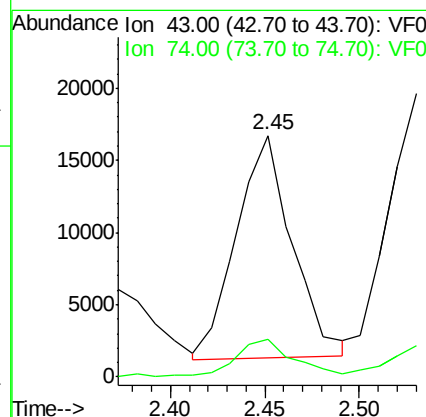
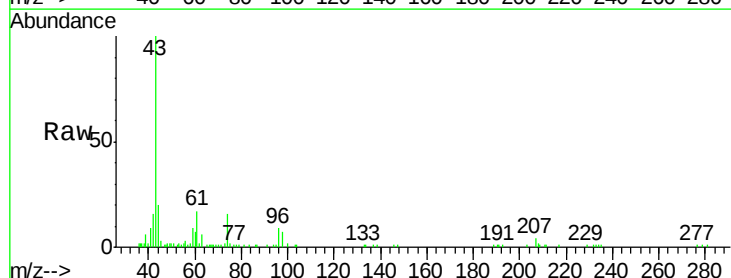
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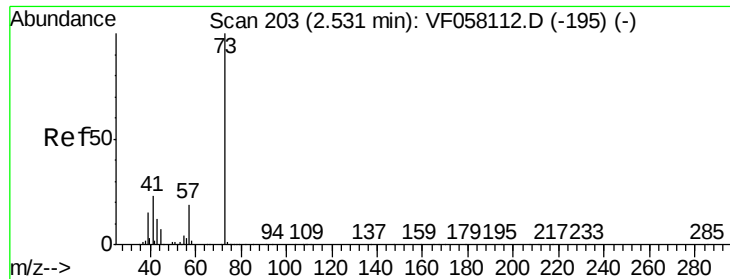
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#18
Methyl Acetate
Concen: 18.015 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion: 43 Resp: 31786
Ion Ratio Lower Upper
43 100
74 15.8 10.9 16.3





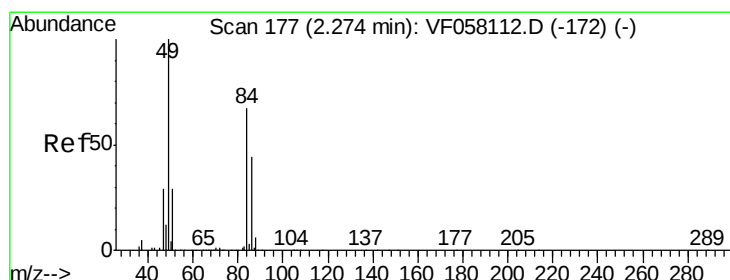
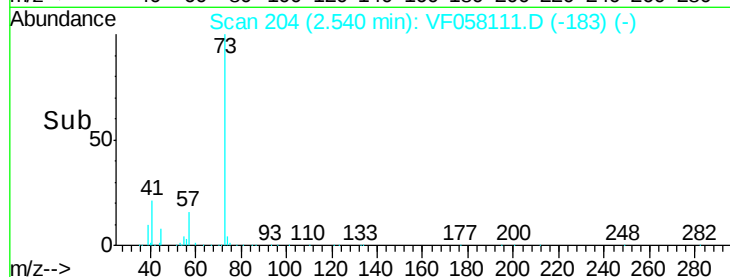
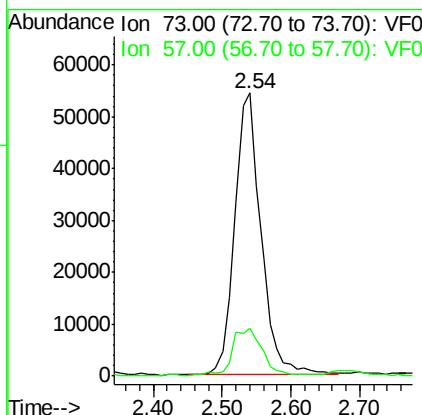
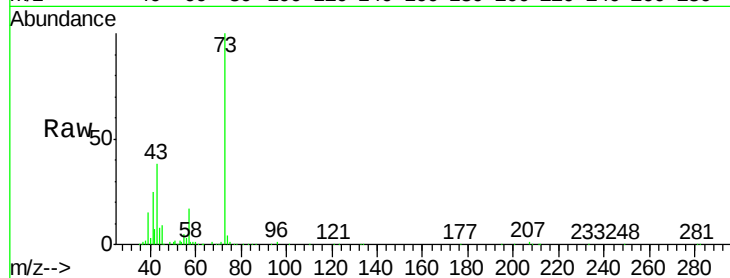
#19
Methyl tert-butyl Ether
Concen: 20.162 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
73	100		
57	16.8	15.0	22.4

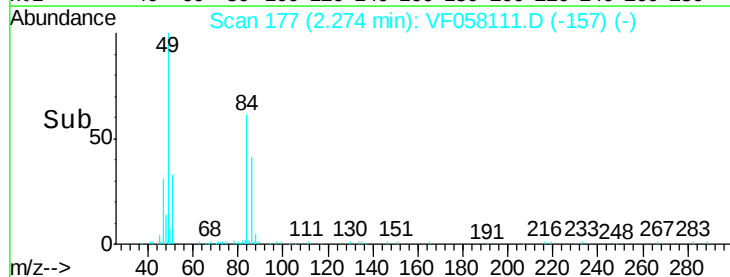
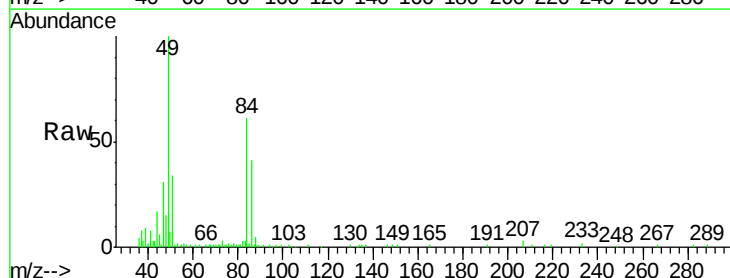
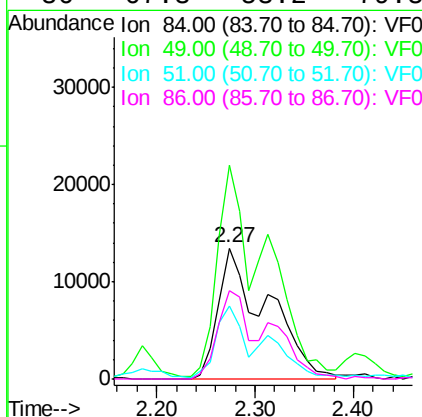
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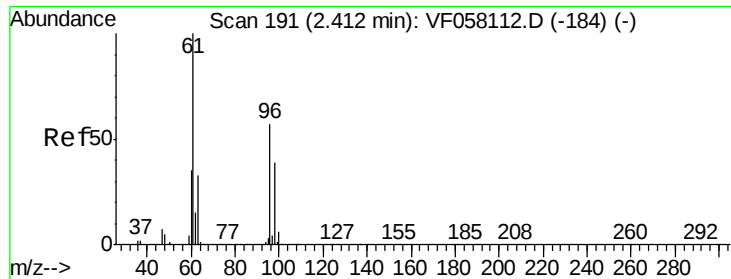
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#20
Methylene Chloride
Concen: 20.092 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.0	121.0	181.4
51	55.6	35.8	53.6#
86	67.3	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 20.582 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

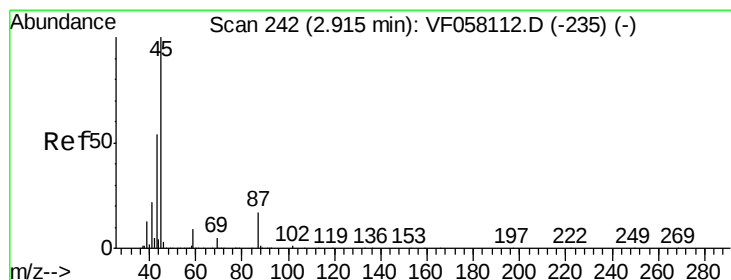
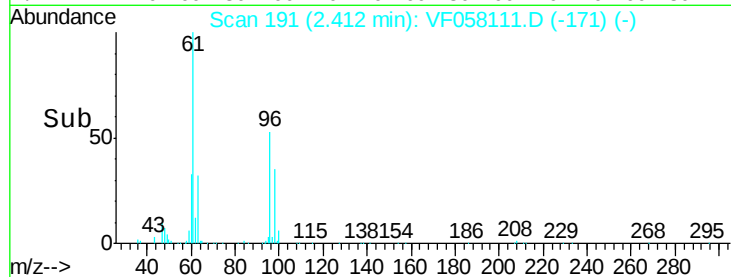
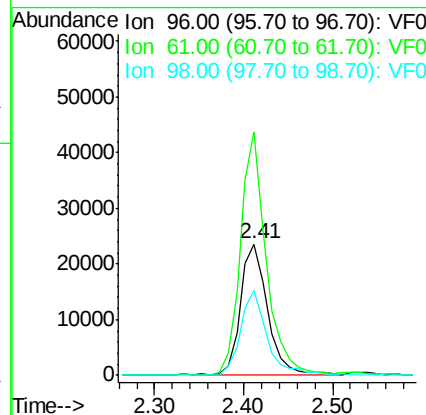
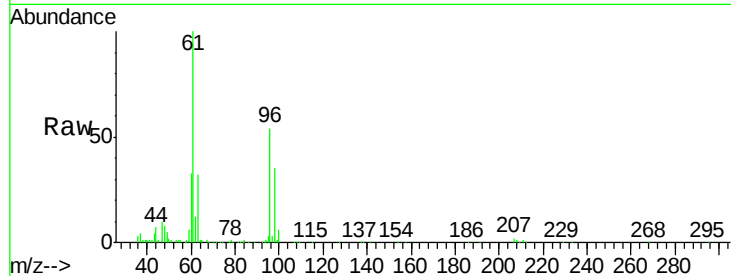
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	50263
Ion Ratio	Lower	Upper	
96	100		
61	185.9	139.4	209.2
98	64.6	54.0	81.0

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#22

Diisopropyl ether

Concen: 20.866 ug/l

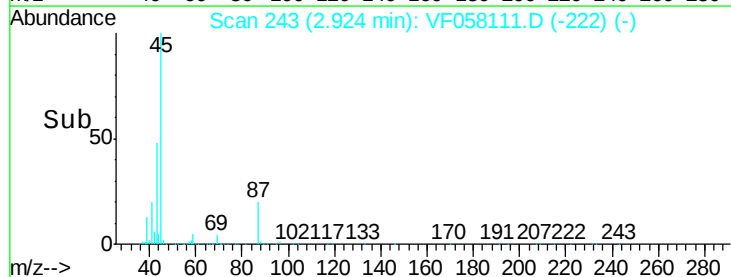
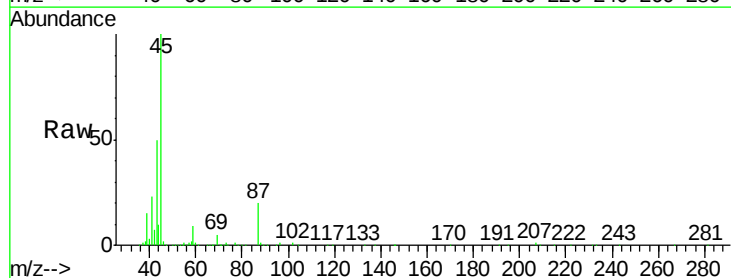
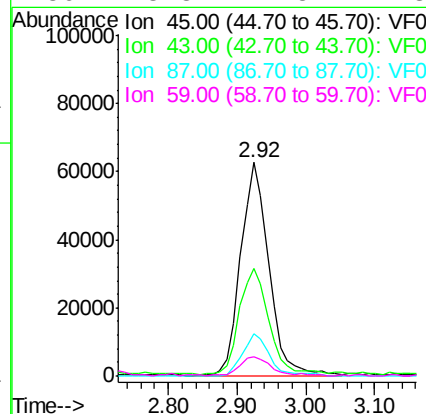
RT: 2.92 min Scan# 243

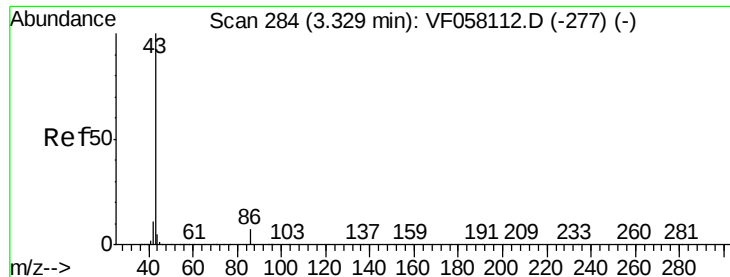
Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	45	Resp:	176657
Ion Ratio	Lower	Upper	
45	100		
43	50.1	43.2	64.8
87	20.1	13.8	20.6
59	8.8	7.5	11.3





#23

Vinyl Acetate

Concen: 100.453 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 623136

Ion Ratio Lower Upper

43 100

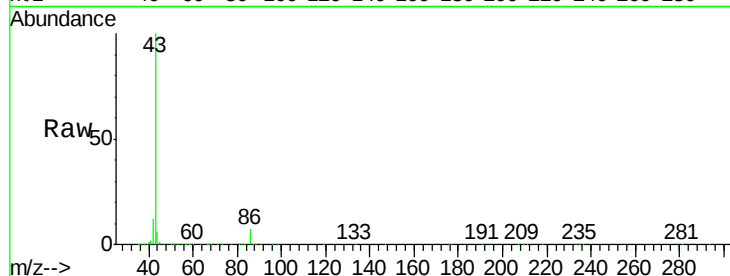
86 7.3 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

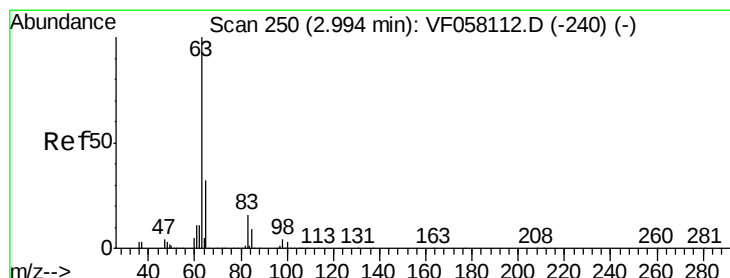
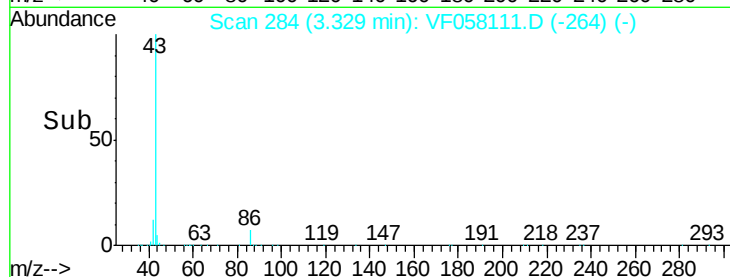
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.025 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

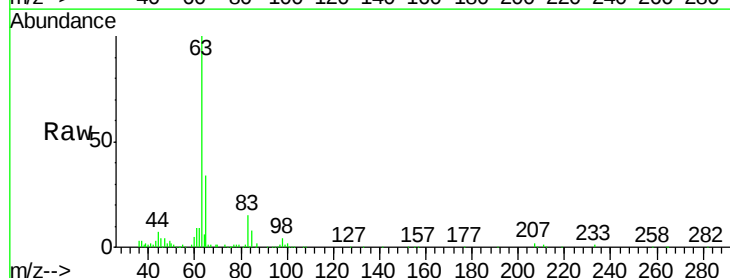
Tgt Ion: 63 Resp: 110264

Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

100 2.3 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

30000

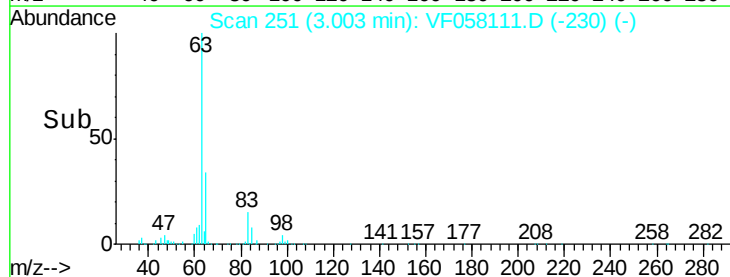
20000

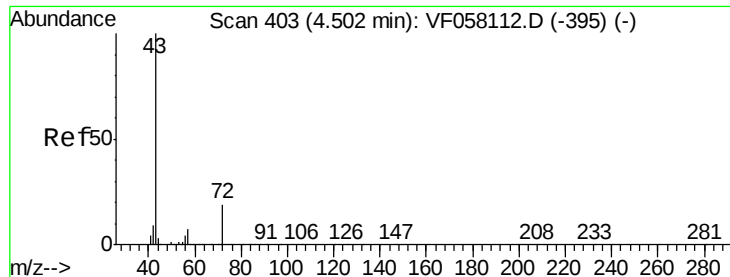
10000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 100.370 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 154046

Ion Ratio Lower Upper

43 100

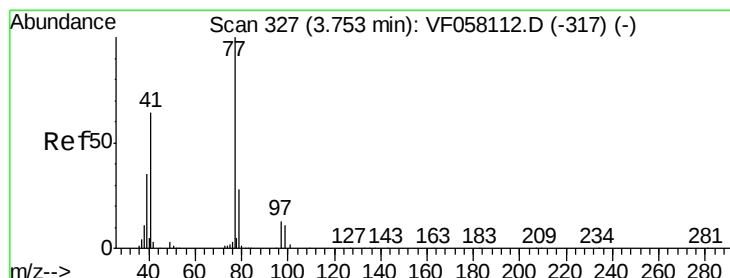
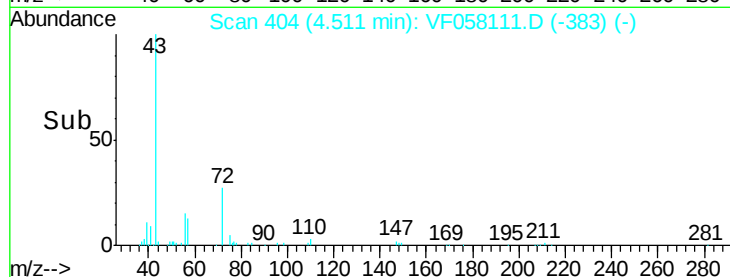
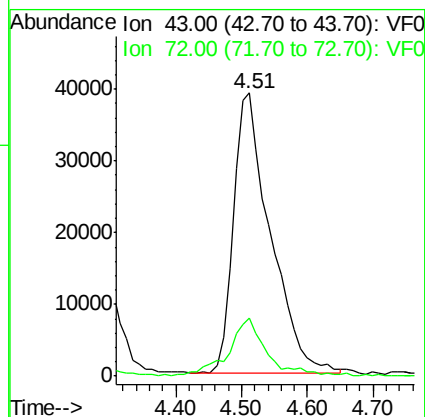
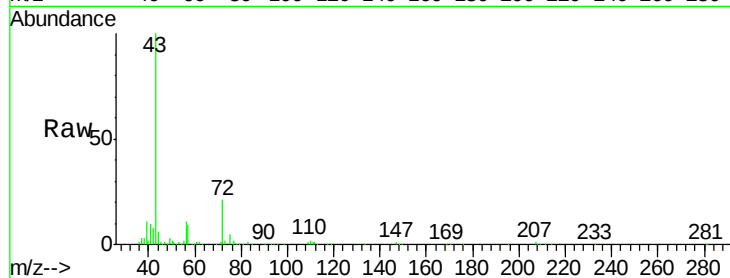
72 20.5 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.412 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF058111.D

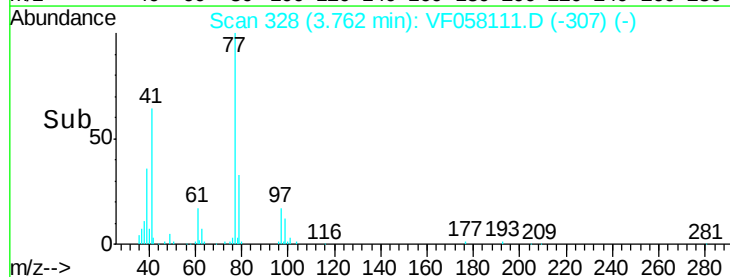
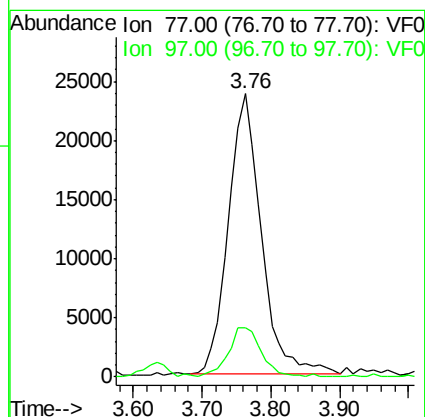
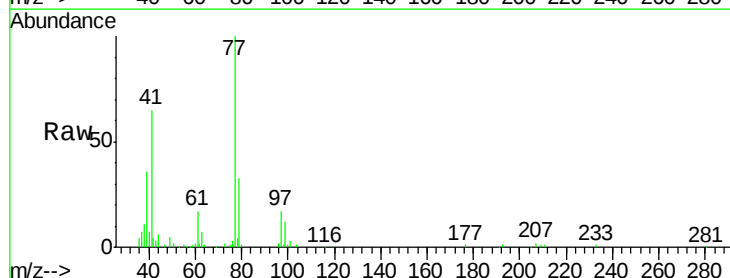
Acq: 6 Jun 2018 17:13

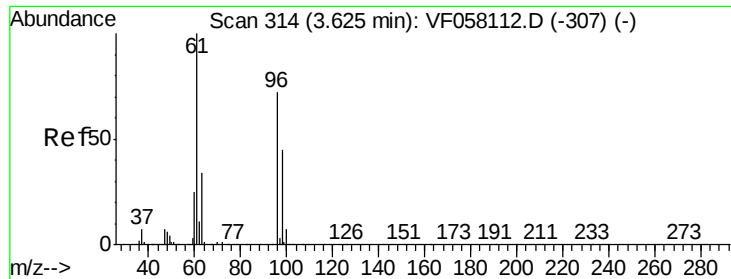
Tgt Ion: 77 Resp: 79361

Ion Ratio Lower Upper

77 100

97 17.2 7.2 21.6





#27

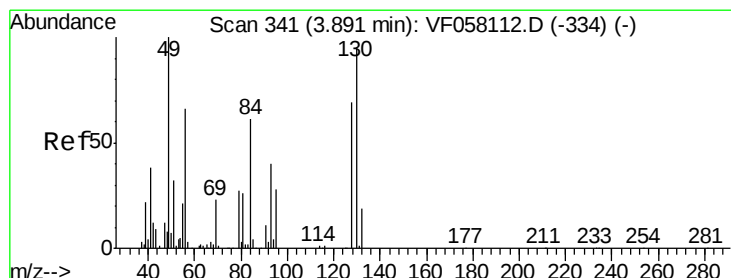
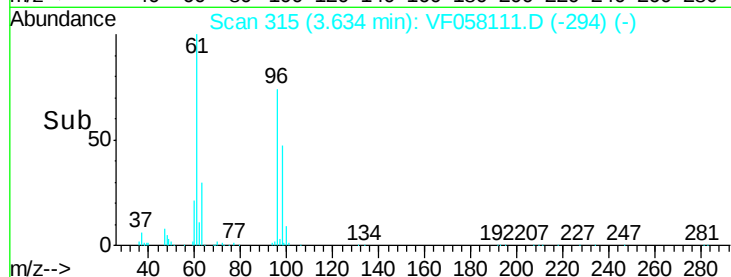
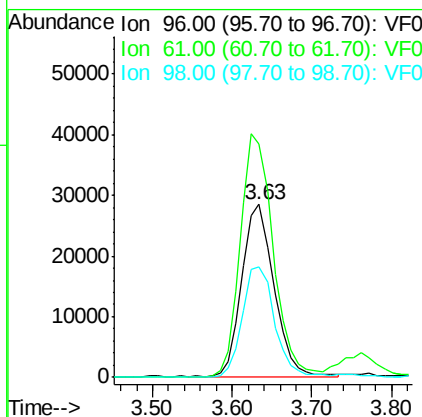
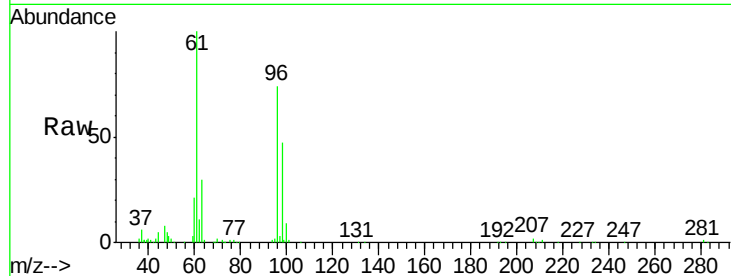
cis-1,2-Dichloroethene
Concen: 19.888 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	80764		
61	135.0	0.0	278.6	
98	63.5	0.0	125.2	

Manual Integrations
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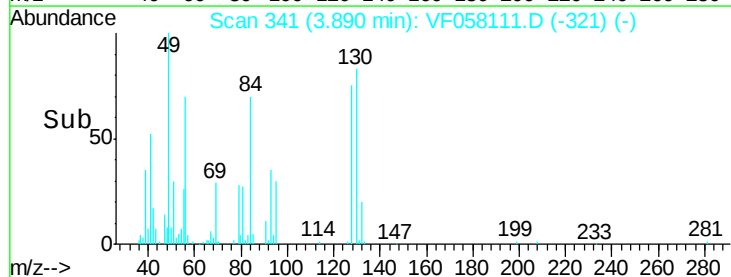
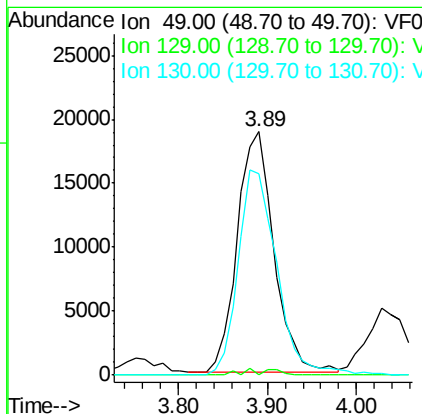
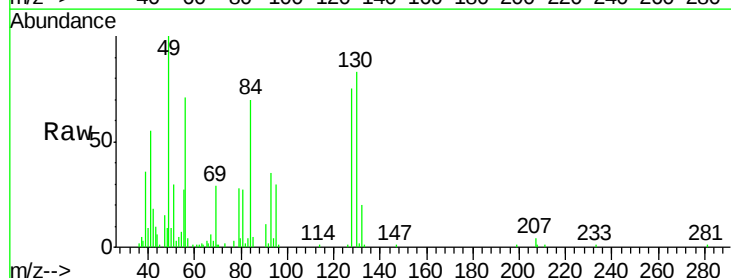
apatel
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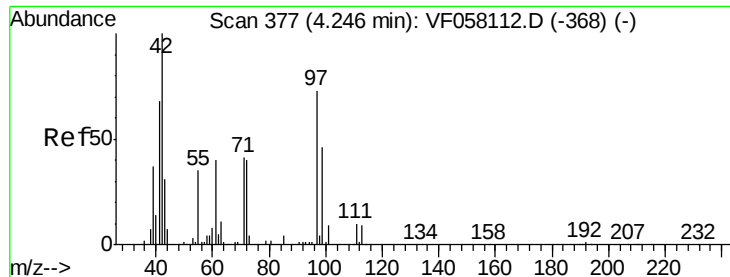


#28

Bromochloromethane
Concen: 23.183 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53712		
129	0.0	0.0	0.0	
130	82.8	75.8	113.8	





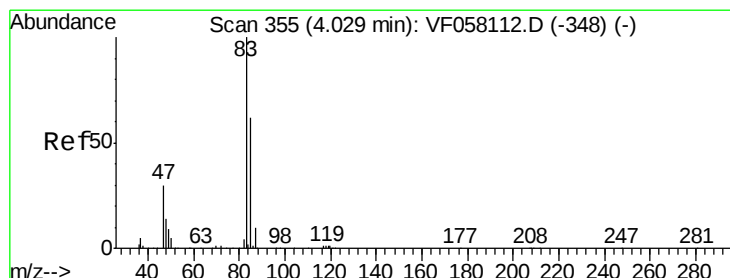
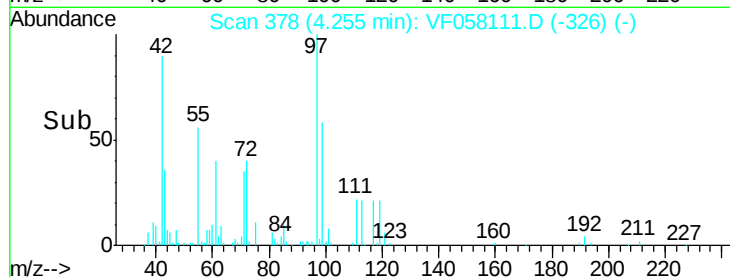
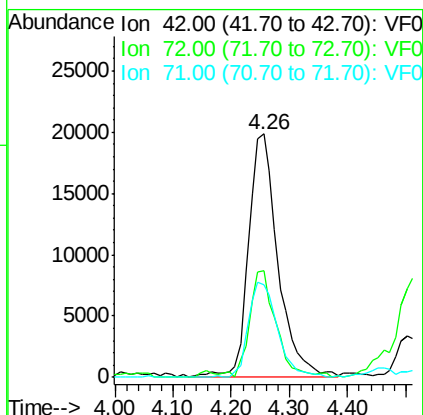
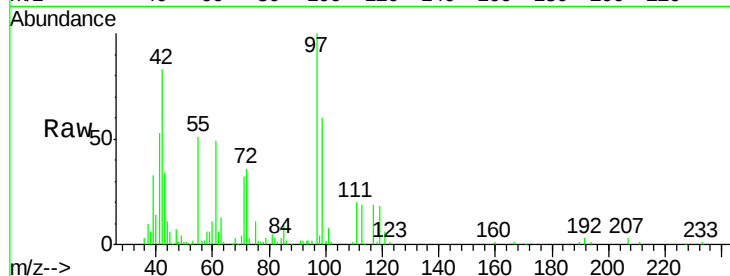
#29
Tetrahydrofuran
Concen: 100.158 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.3	30.5	45.7
71	38.3	31.5	47.3

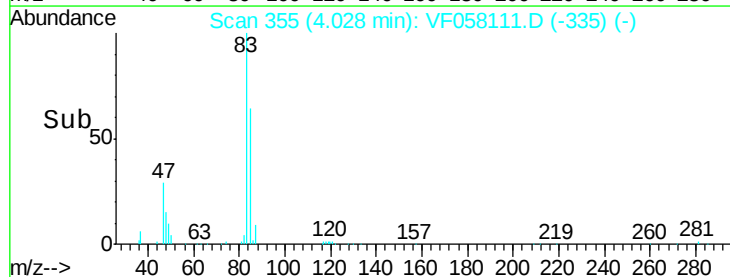
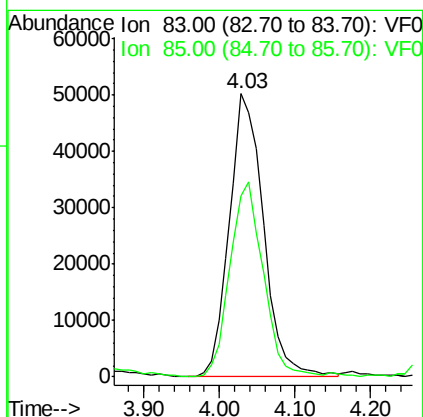
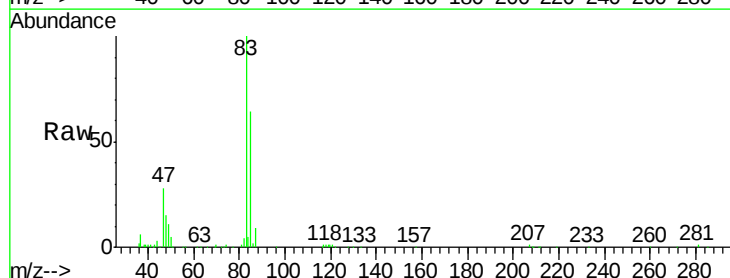
Manual Integrations
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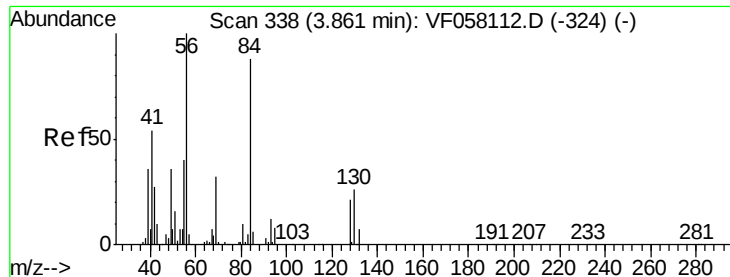
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#30
Chloroform
Concen: 20.028 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.5	74.3





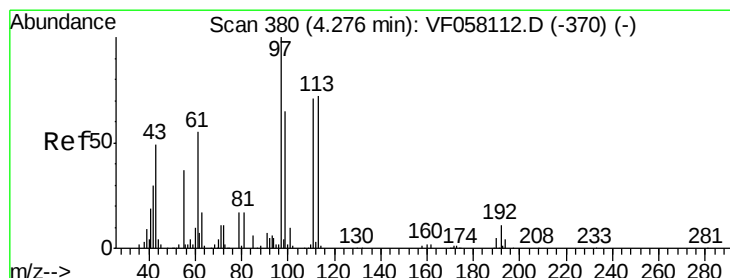
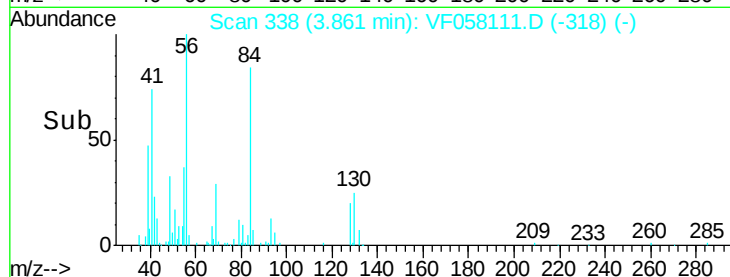
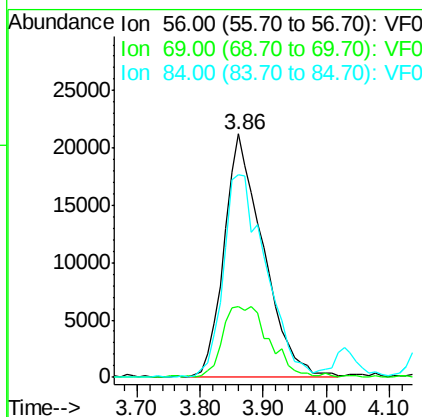
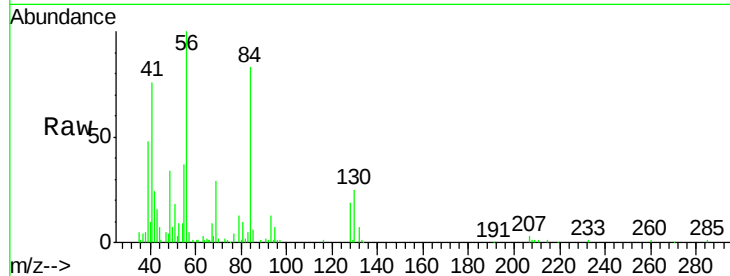
#31
Cyclohexane
Concen: 18.538 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.9	38.9
84	83.2	70.3	105.5

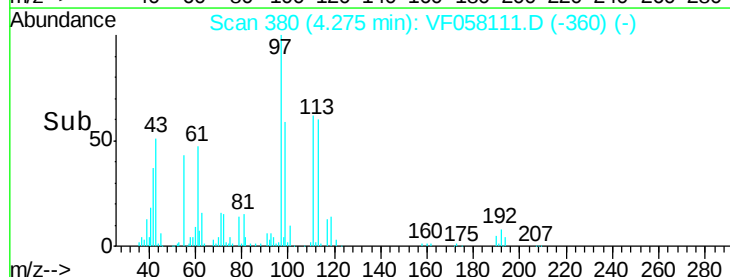
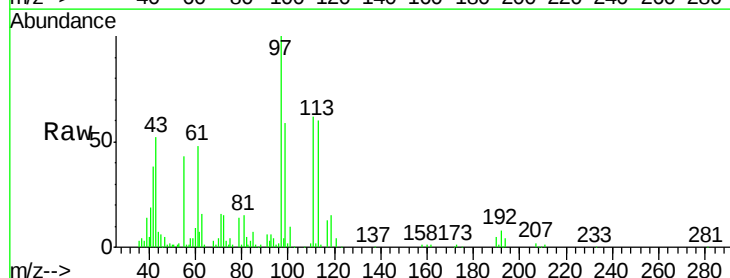
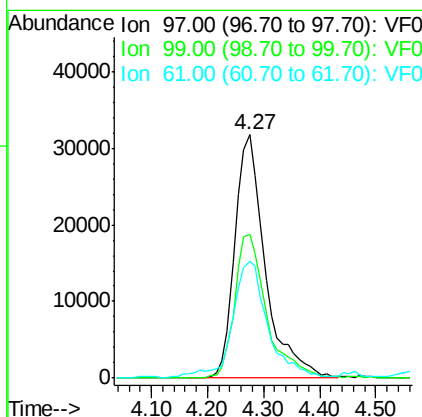
Manual Integrations
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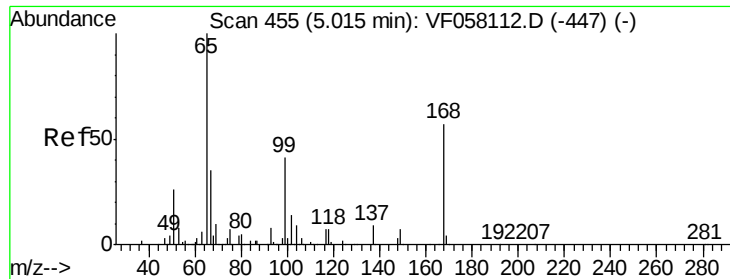
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#32
1,1,1-Trichloroethane
Concen: 21.456 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.2	52.0	78.0
61	47.9	44.3	66.5





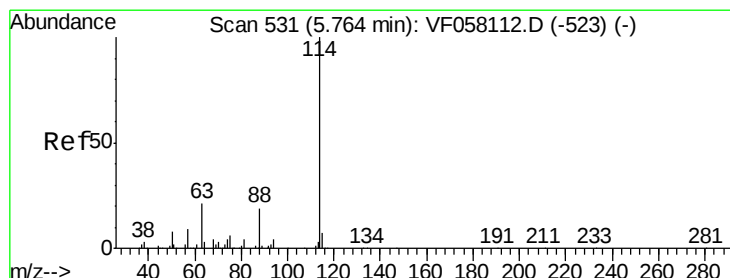
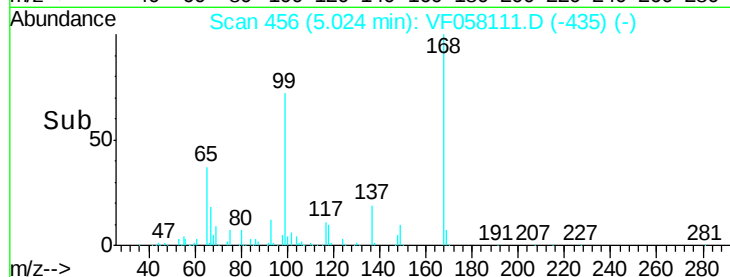
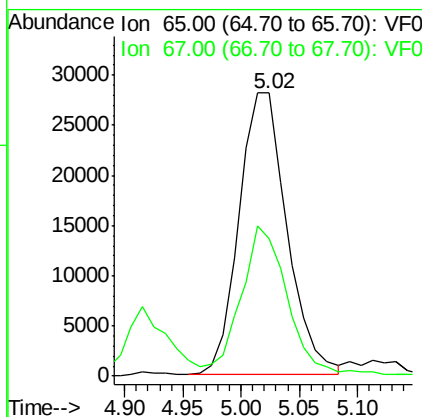
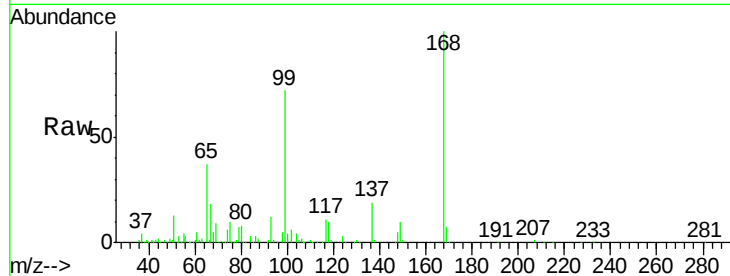
#33
 1,2-Dichloroethane-d4
 Concen: 18.637 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	80545		
67	48.4	0.0	97.0	

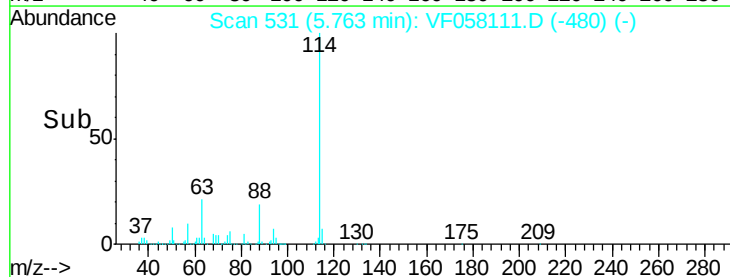
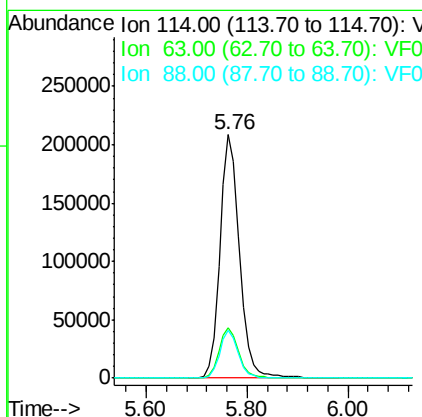
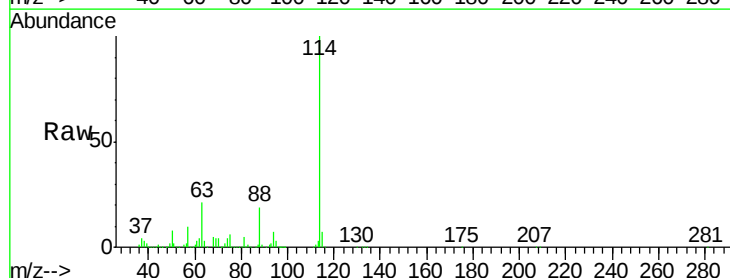
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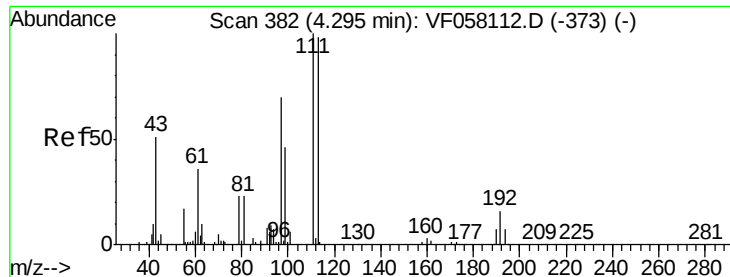
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	561785		
63	20.8	0.0	41.6	
88	19.4	0.0	38.8	





#35

Dibromofluoromethane

Concen: 19.272 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

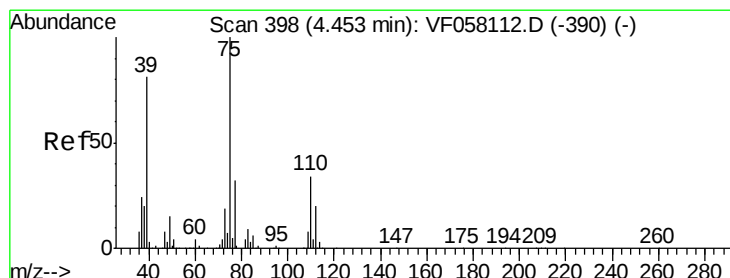
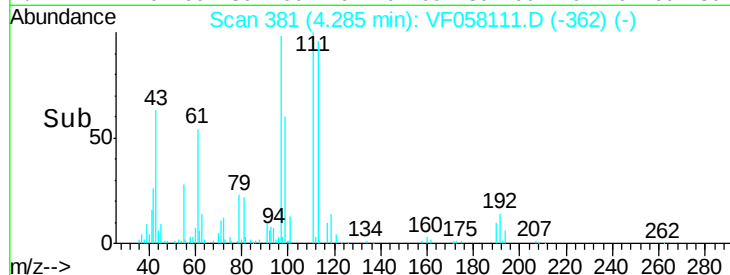
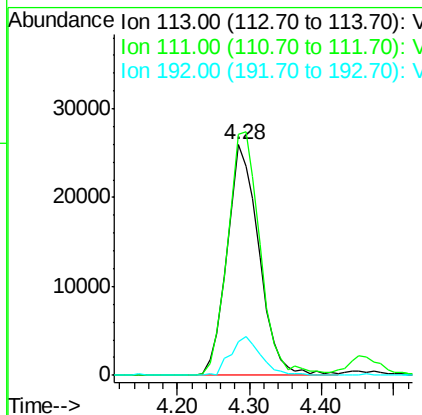
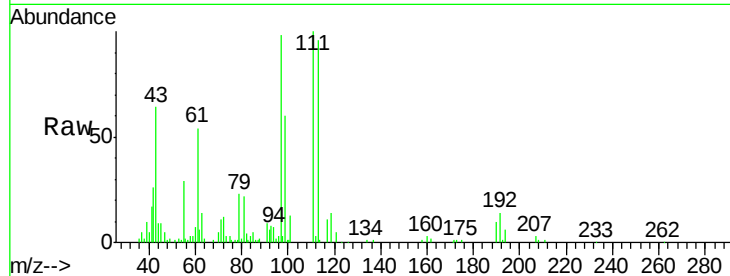
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	80299		
111	104.3	81.3	121.9	
192	14.8	12.7	19.1	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.646 ug/l

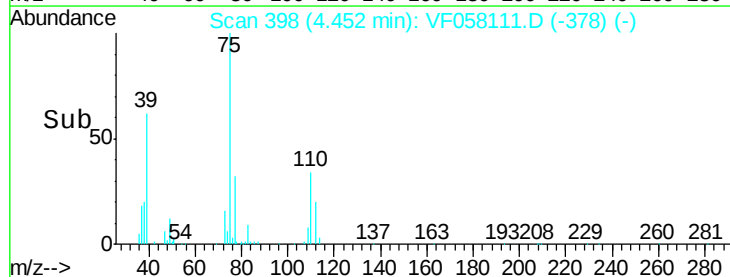
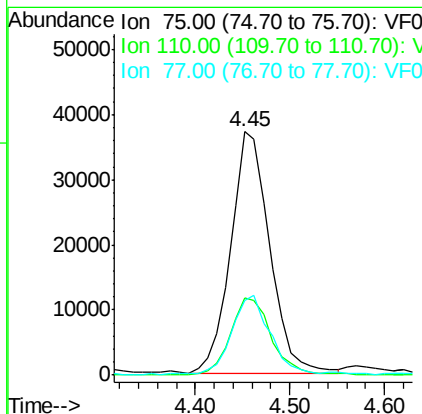
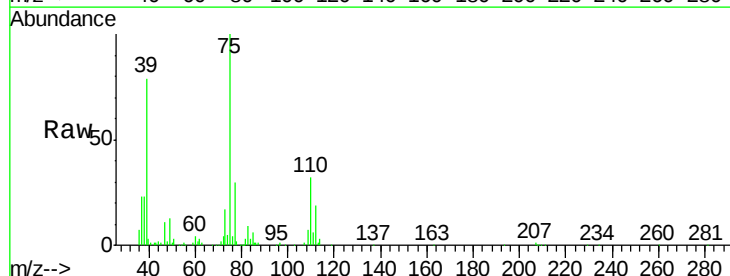
RT: 4.45 min Scan# 398

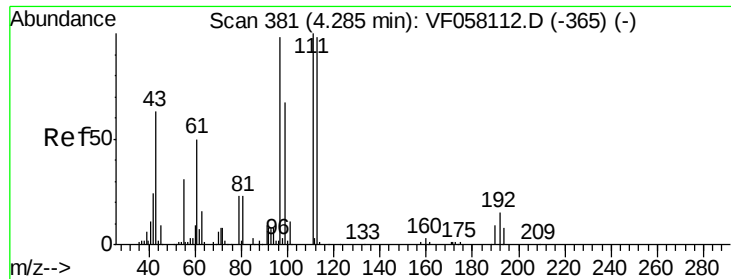
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105942		
110	31.9	17.0	50.9	
77	30.5	25.3	37.9	





#37

Ethyl Acetate

Concen: 21.731 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 72807

Ion Ratio Lower Upper

43 100

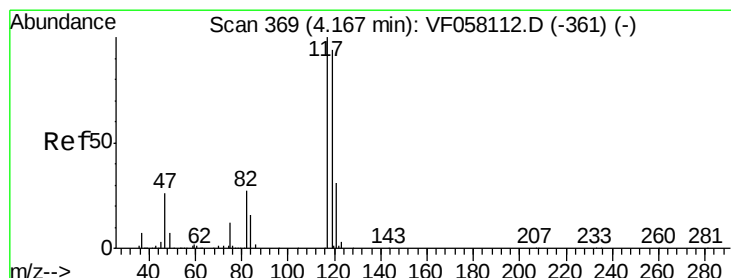
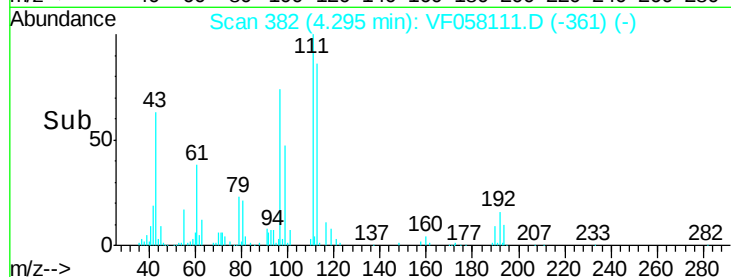
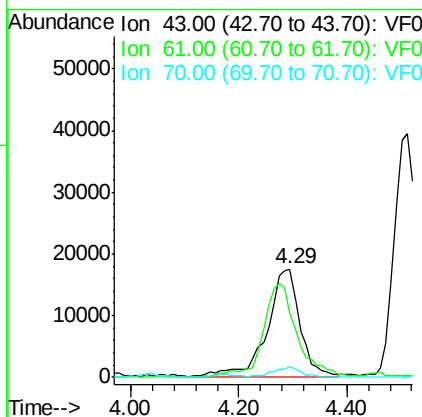
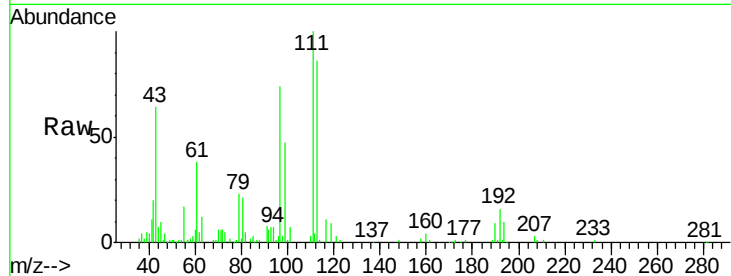
61 60.2 63.0 94.4#

70 9.6 7.5 11.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.306 ug/l m

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

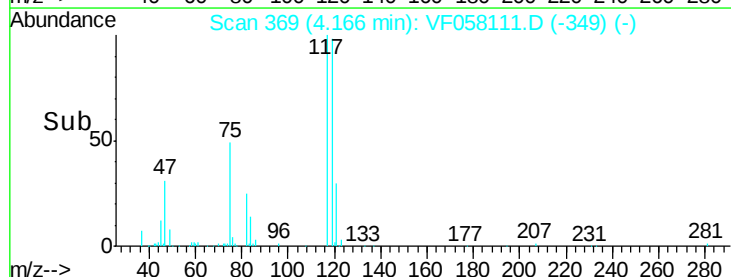
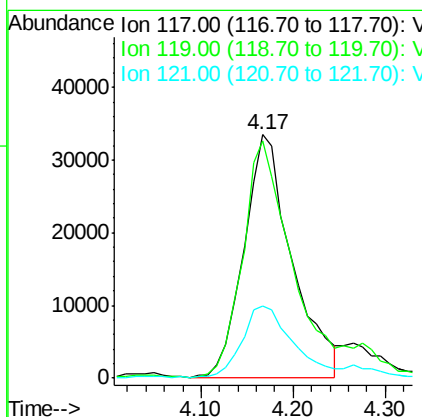
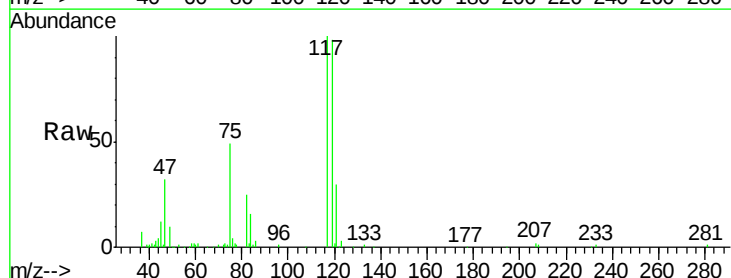
Tgt Ion: 117 Resp: 122578

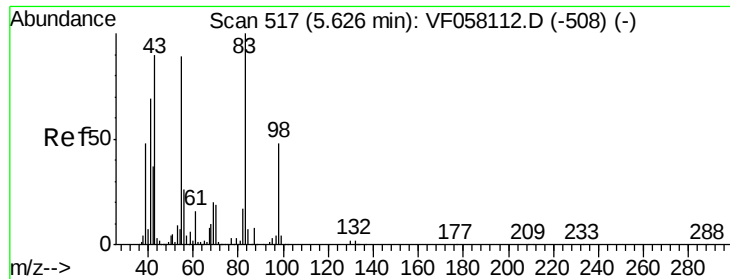
Ion Ratio Lower Upper

117 100

119 97.6 75.7 113.5

121 29.7 24.8 37.2





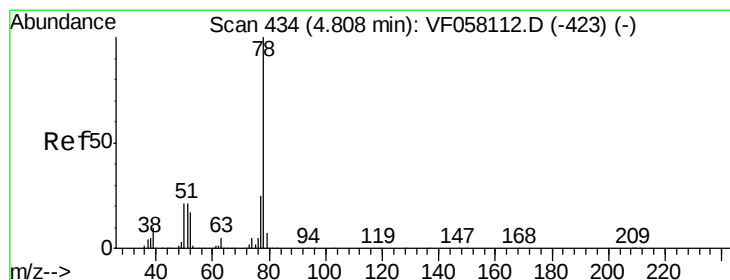
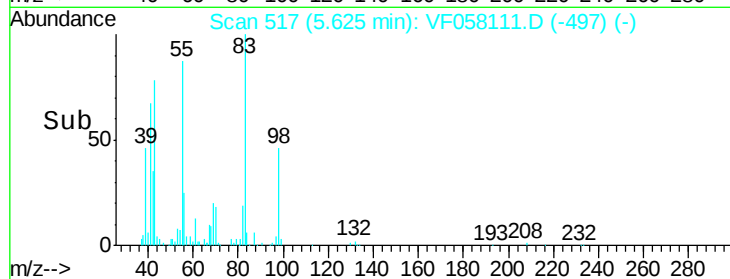
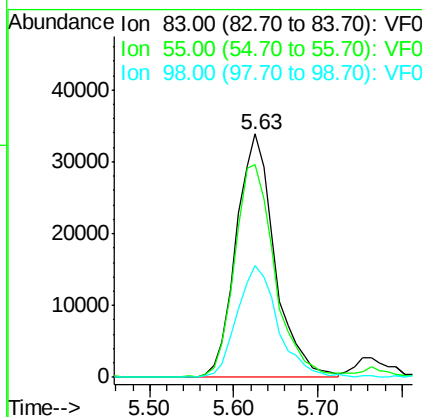
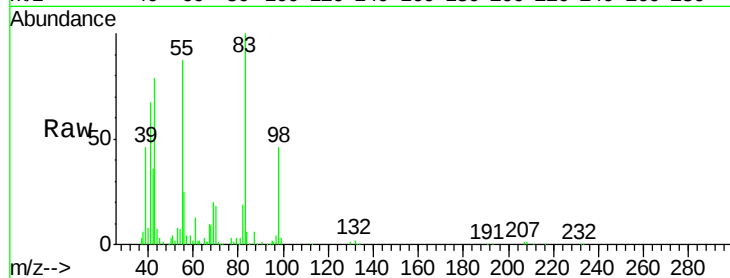
#39
Methylcyclohexane
Concen: 18.459 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.5	71.0	106.4
98	46.0	38.1	57.1

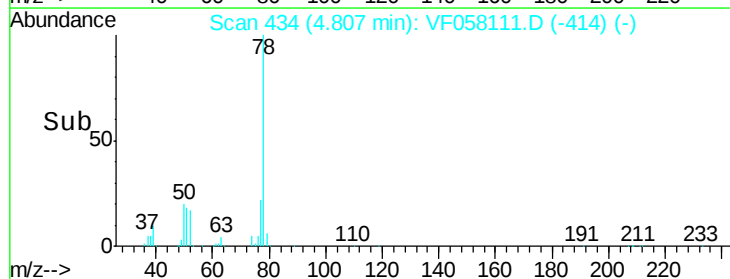
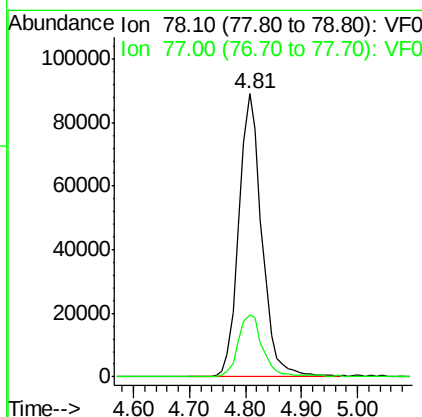
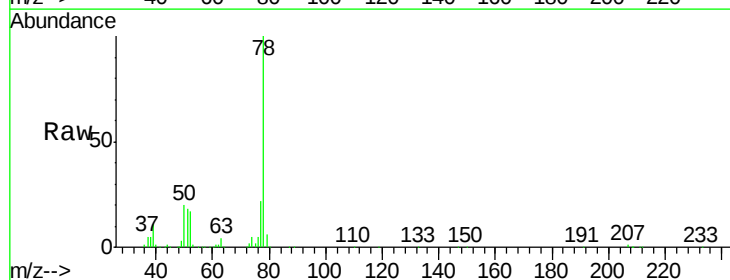
Manual Integrations
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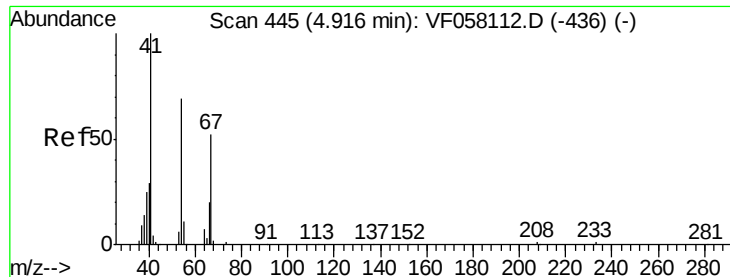
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#40
Benzene
Concen: 19.109 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	20.2	30.2





#41

Methacrylonitrile

Concen: 19.292 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

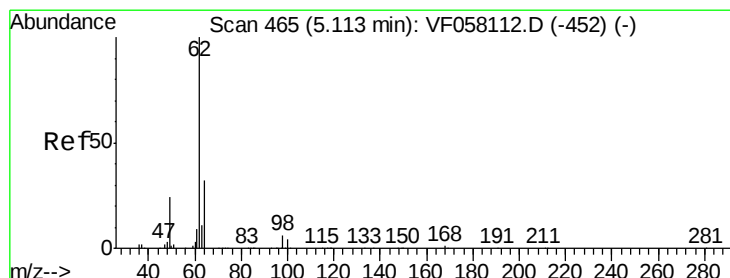
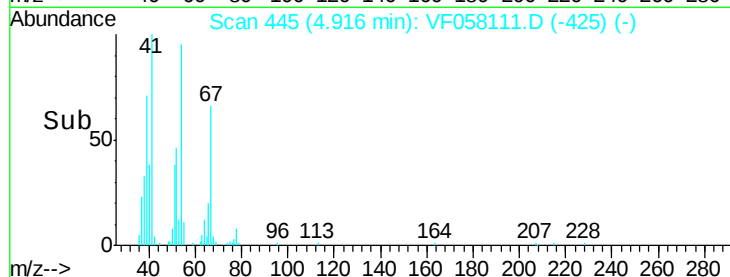
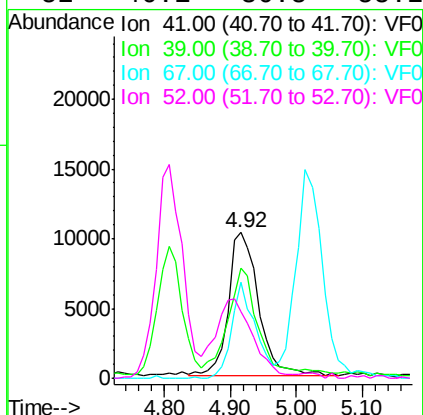
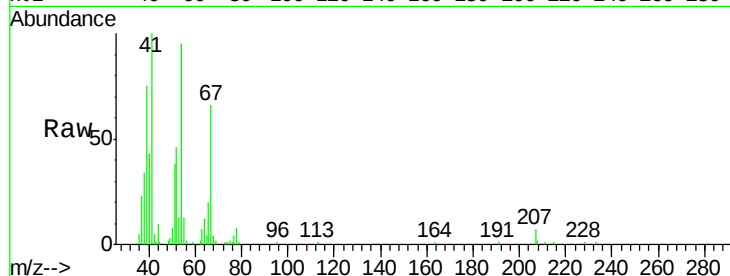
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.3	53.0	79.4
67	66.0	41.0	61.6
52	46.1	36.8	55.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.237 ug/l

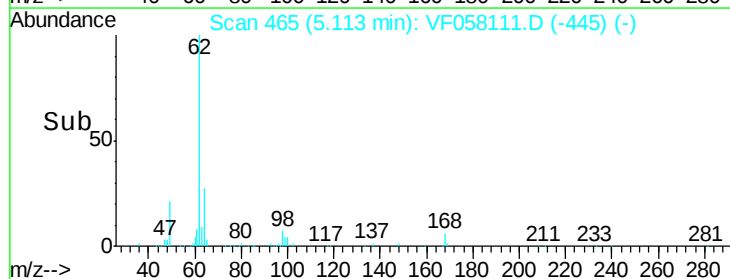
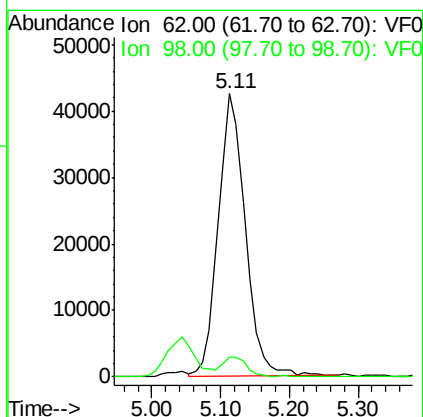
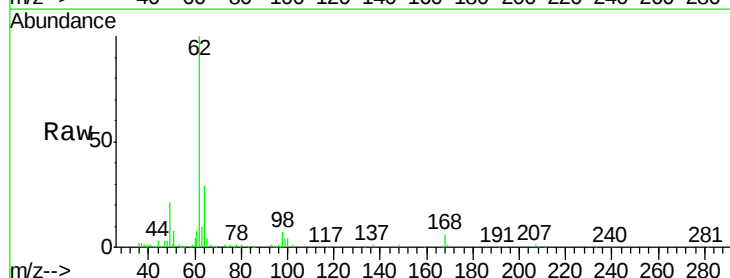
RT: 5.11 min Scan# 465

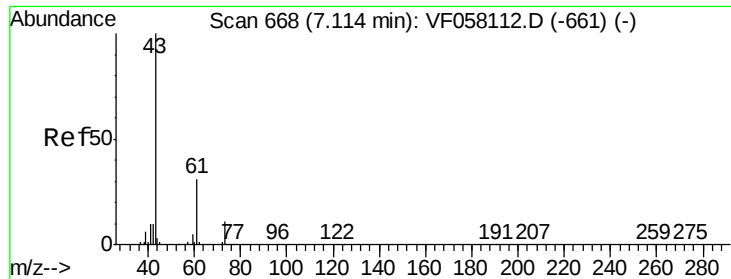
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	11.8





#43

Isopropyl Acetate

Concen: 18.676 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

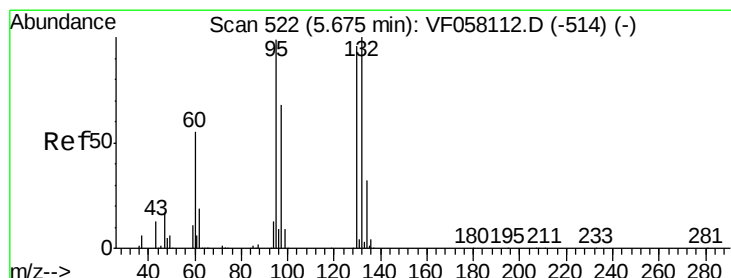
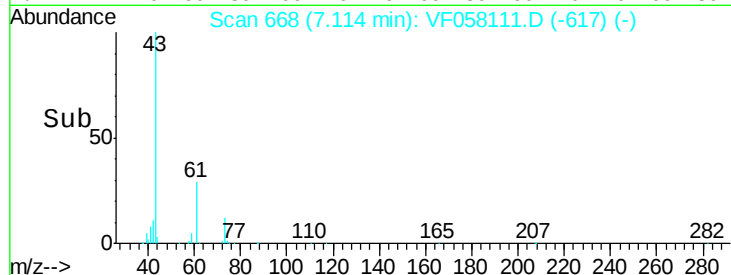
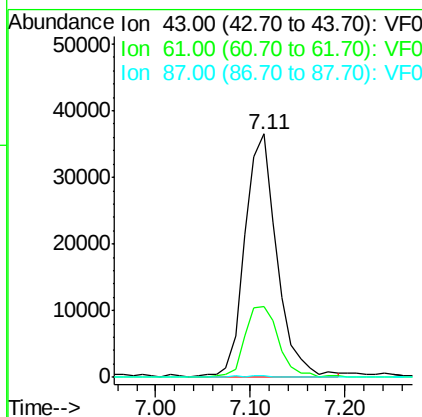
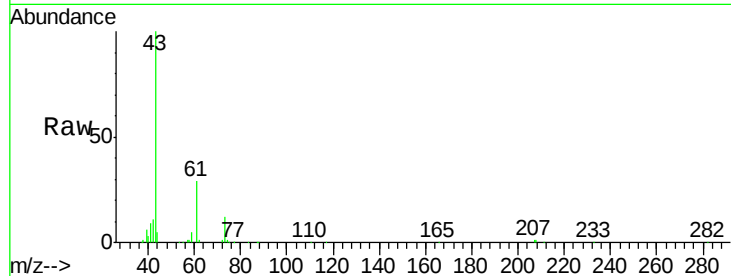
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	84828
Ion Ratio	Lower	Upper	
43	100		
61	29.0	25.1	37.7
87	0.5	0.2	0.4

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#44

Trichloroethene

Concen: 19.083 ug/l

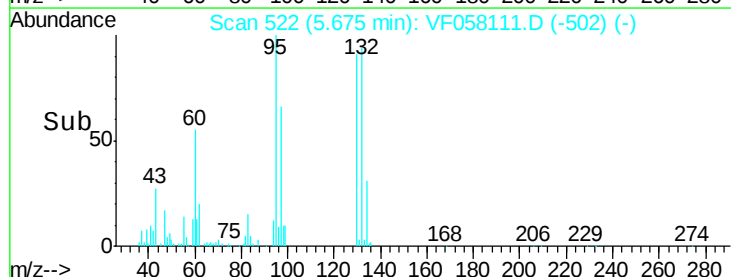
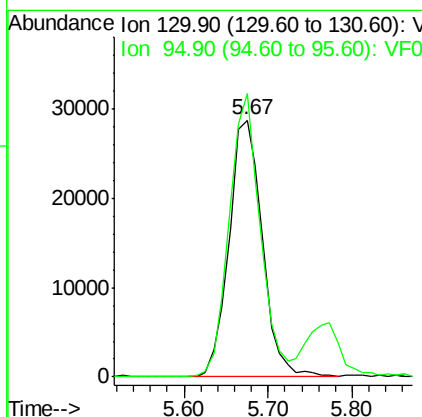
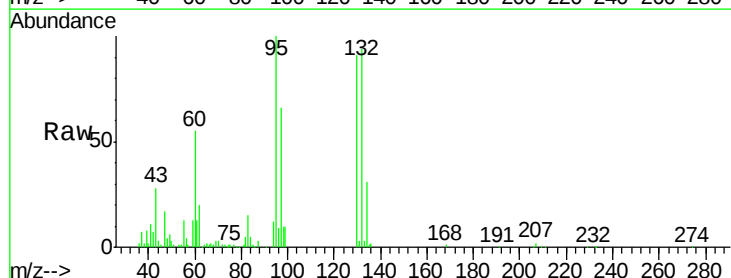
RT: 5.67 min Scan# 522

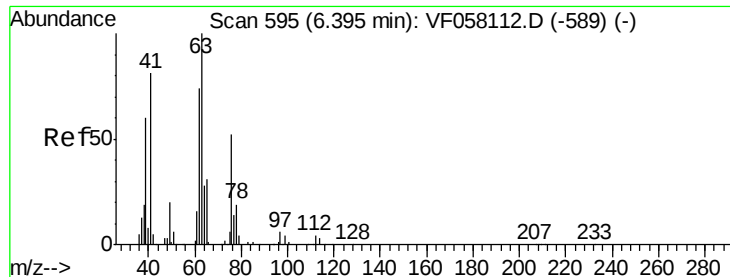
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	130	Resp:	79067
Ion Ratio	Lower	Upper	
130	100		
95	110.3	0.0	206.8





#45

1,2-Dichloropropane

Concen: 19.405 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 75043

Ion Ratio Lower Upper

63 100

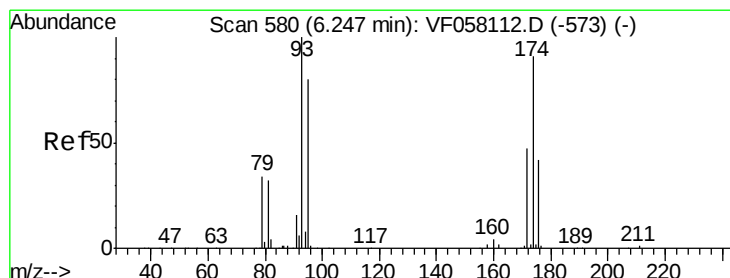
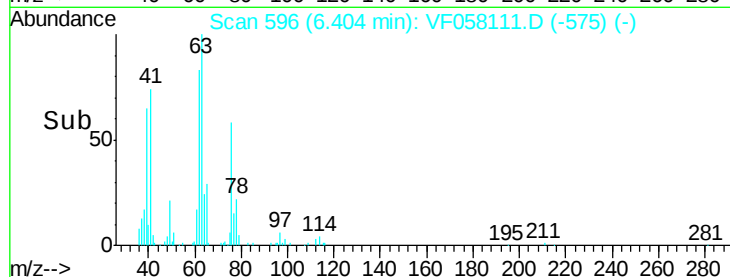
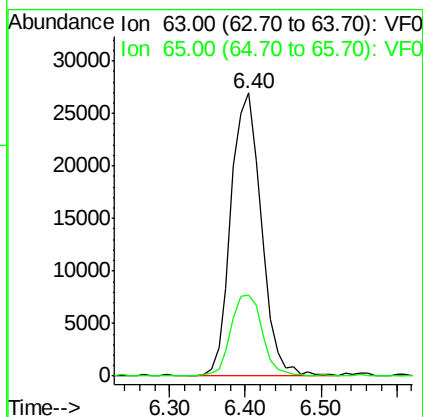
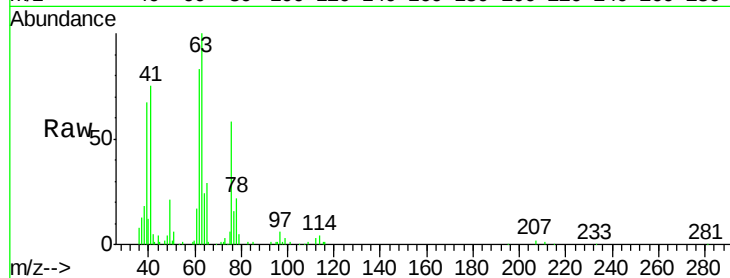
65 28.7 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 18.655 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

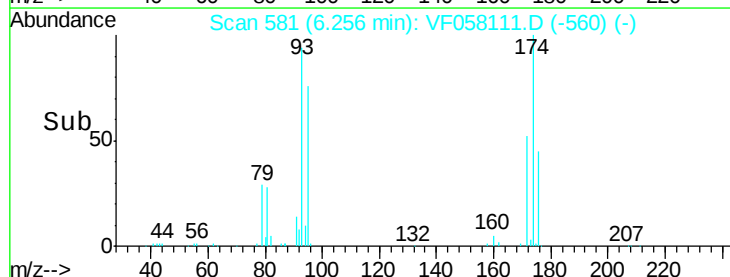
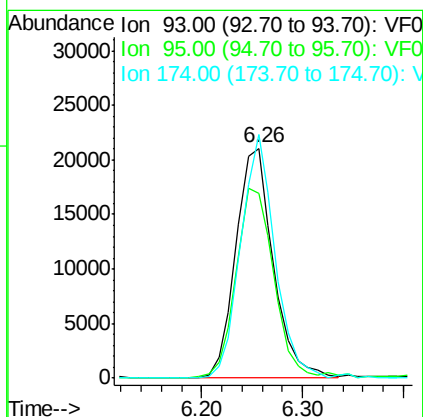
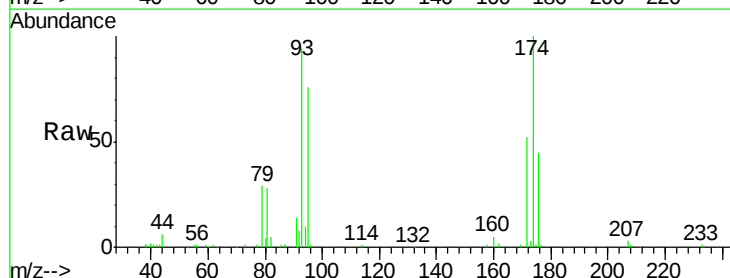
Tgt Ion: 93 Resp: 54458

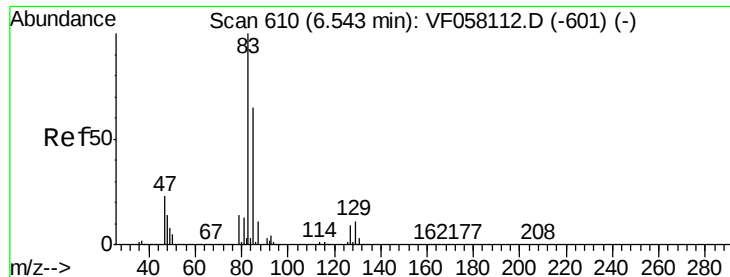
Ion Ratio Lower Upper

93 100

95 81.9 64.2 96.4

174 106.0 72.7 109.1





#47

Bromodichloromethane

Concen: 19.585 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

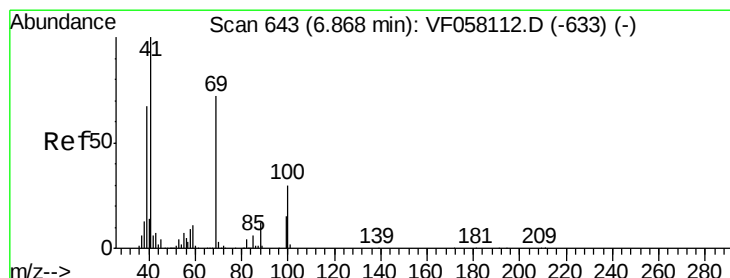
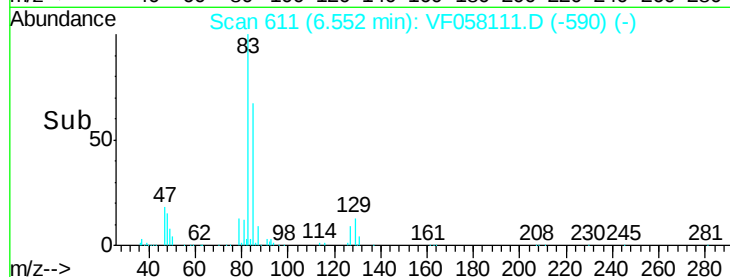
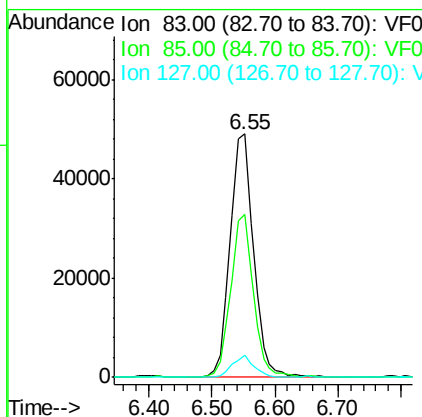
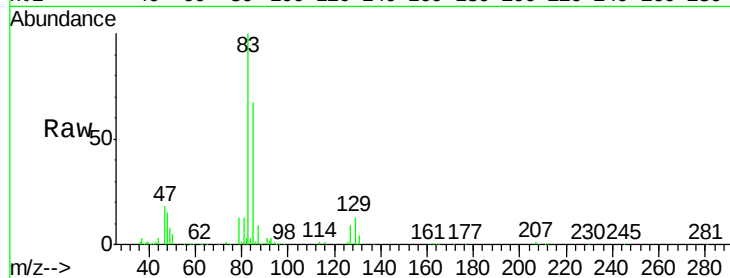
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	126143
Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.6	77.4
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.958 ug/l

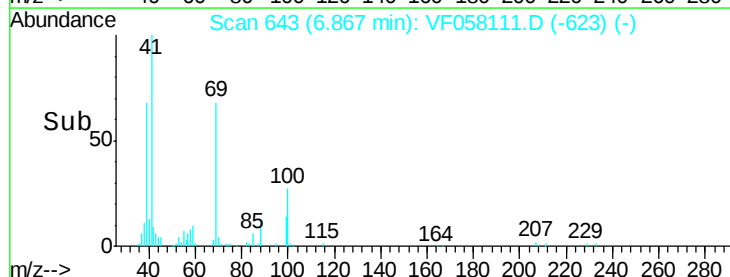
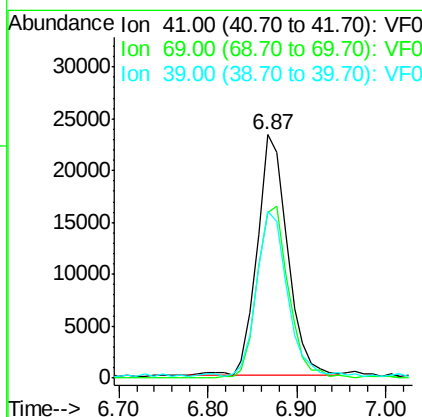
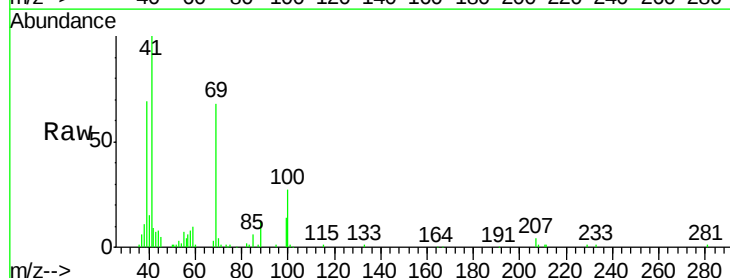
RT: 6.87 min Scan# 643

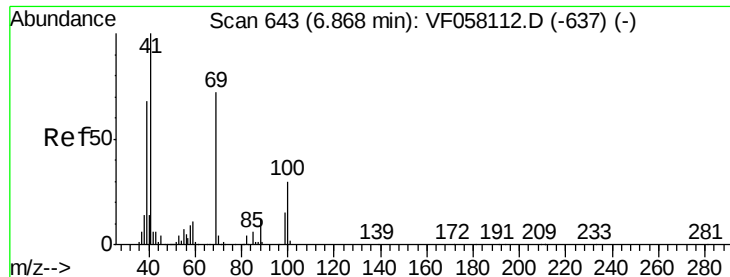
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	41	Resp:	54431
Ion	Ratio	Lower	Upper
41	100		
69	67.8	57.2	85.8
39	68.7	54.3	81.5





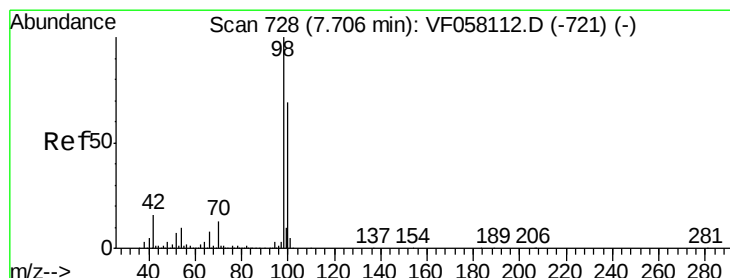
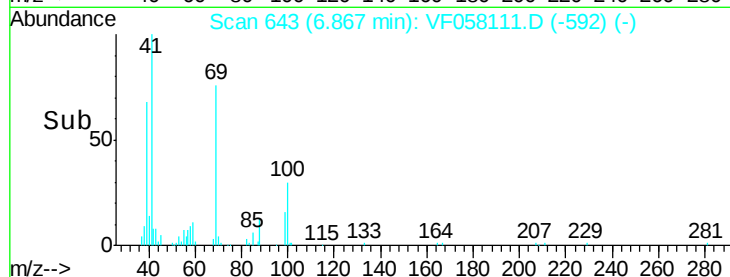
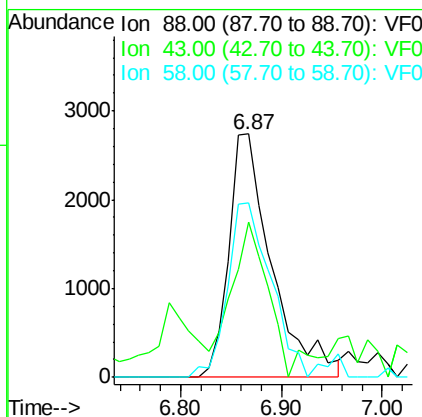
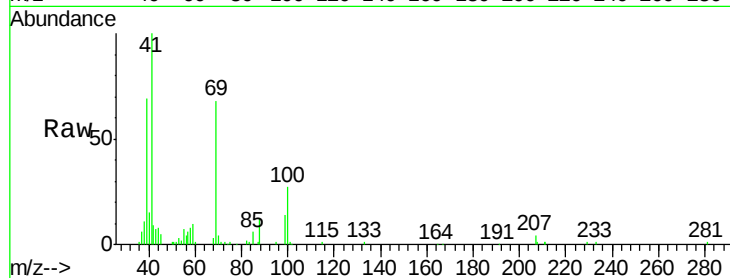
#49
1,4-Dioxane
Concen: 410.017 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	8123		
43	63.8		47.8	71.8
58	71.6		59.4	89.0

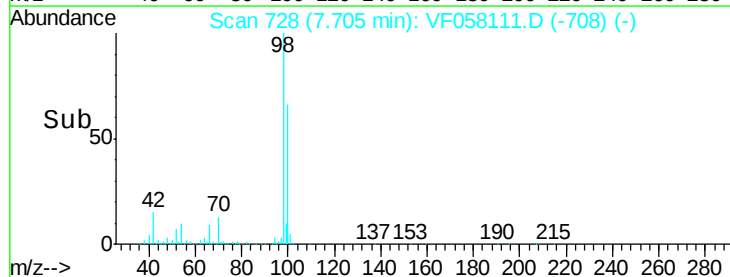
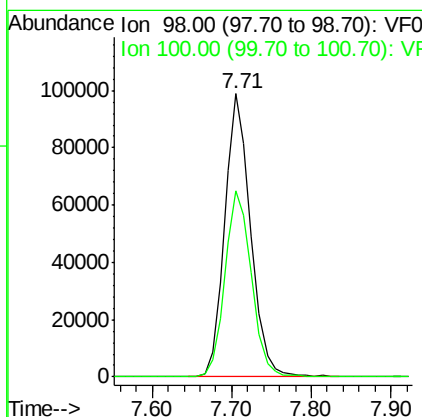
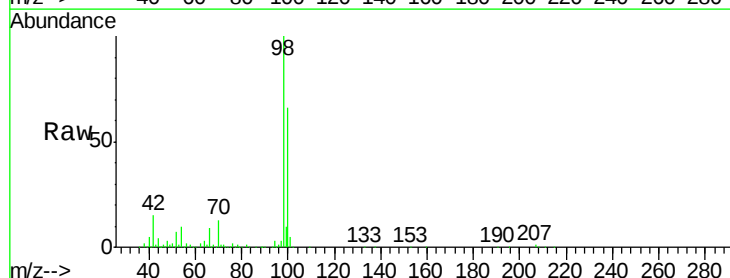
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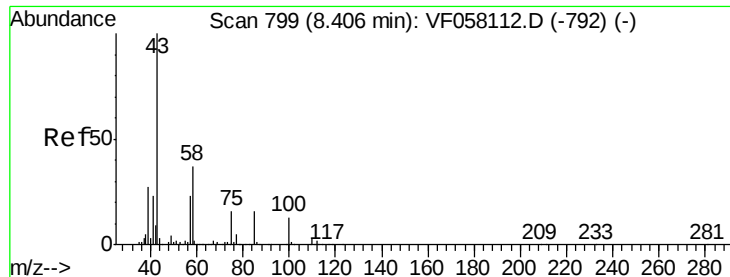
apatel
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#50
Toluene-d8
Concen: 18.291 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	225863		
100	65.7		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 99.479 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 313668

Ion Ratio Lower Upper

43 100

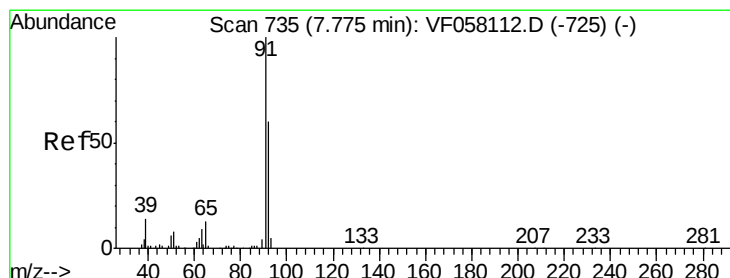
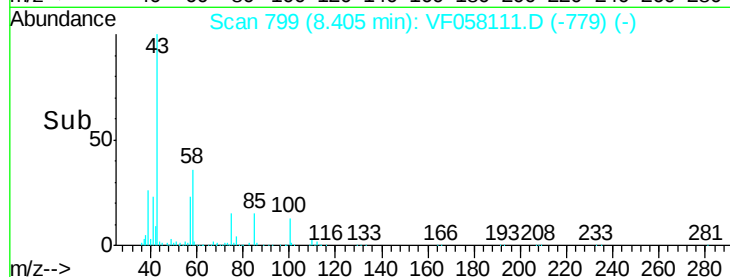
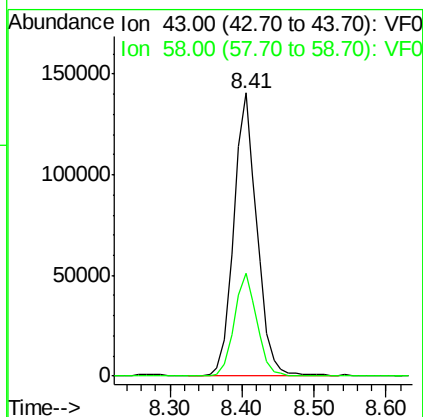
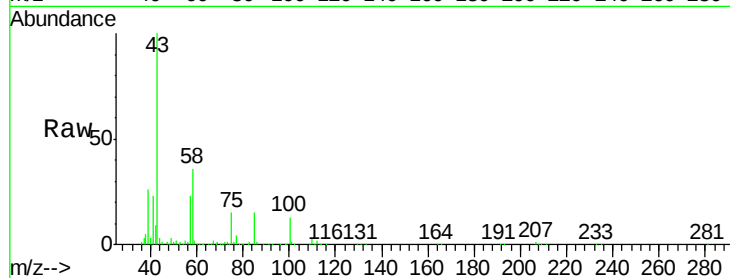
58 36.4 29.4 44.0

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#52

Toluene

Concen: 19.398 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF058111.D

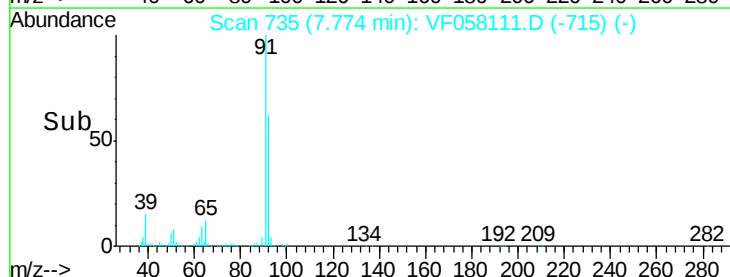
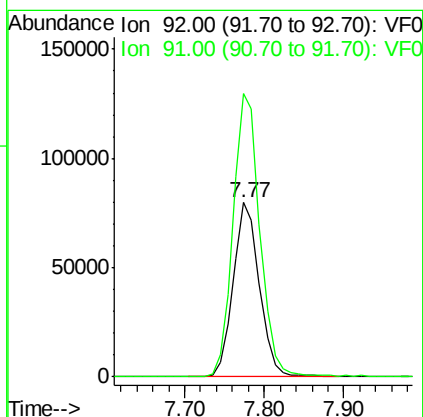
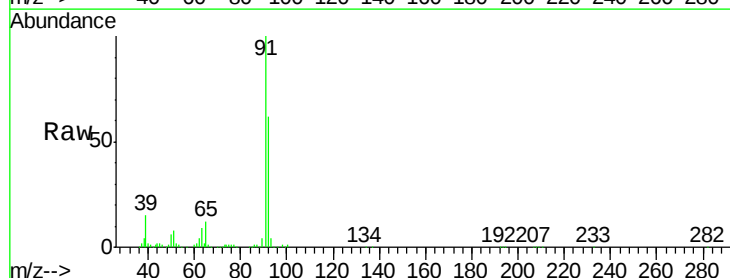
Acq: 6 Jun 2018 17:13

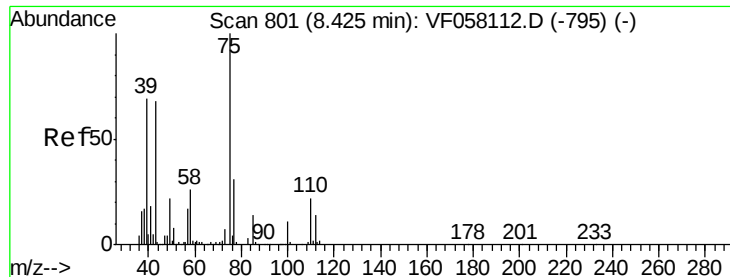
Tgt Ion: 92 Resp: 183221

Ion Ratio Lower Upper

92 100

91 162.2 132.9 199.3





#53

t-1,3-Dichloropropene

Concen: 19.836 ug/l

RT: 8.42 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 122057

Ion Ratio Lower Upper

75 100

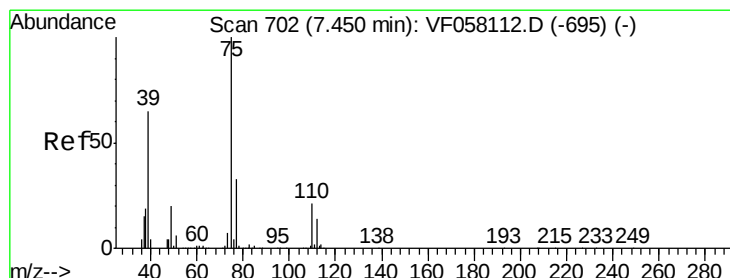
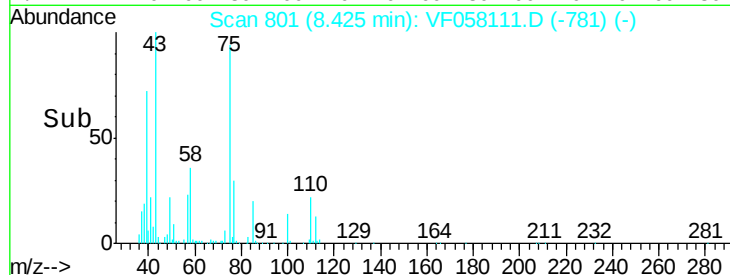
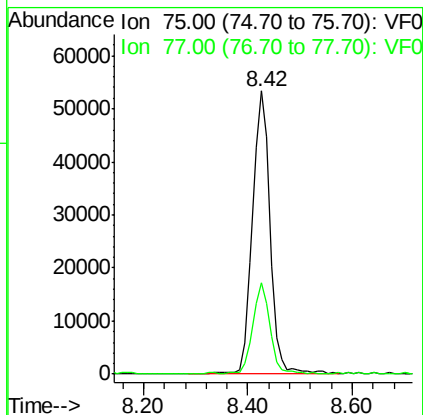
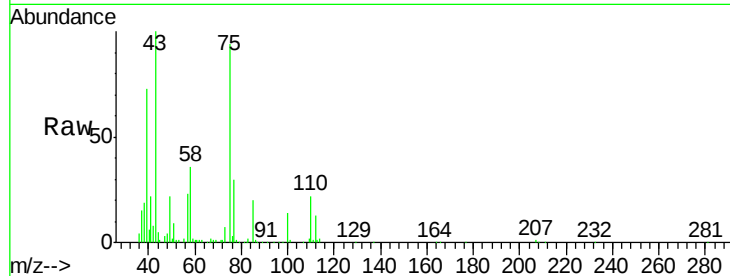
77 32.3 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 20.742 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

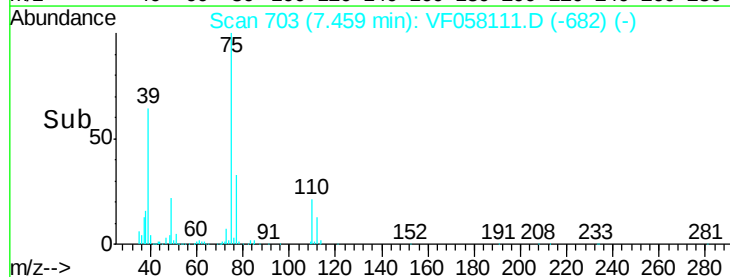
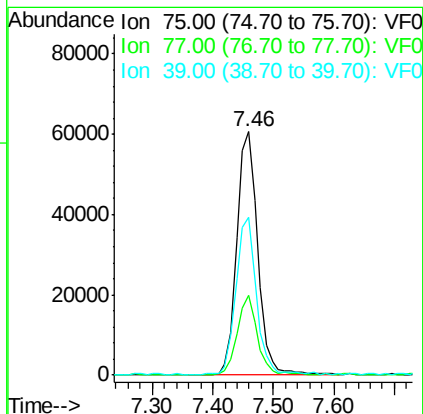
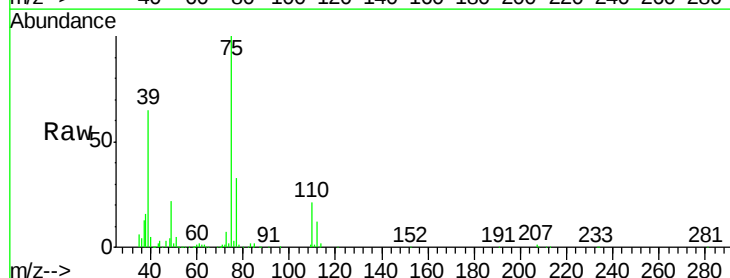
Tgt Ion: 75 Resp: 146640

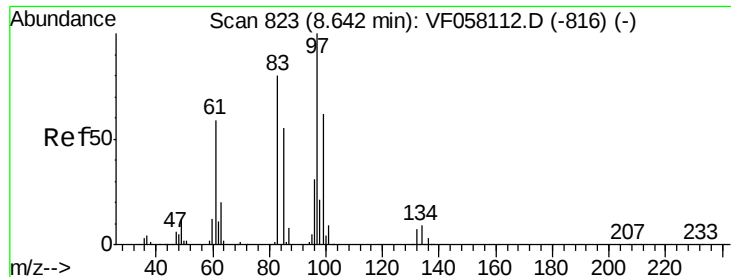
Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5

39 64.6 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 20.091 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

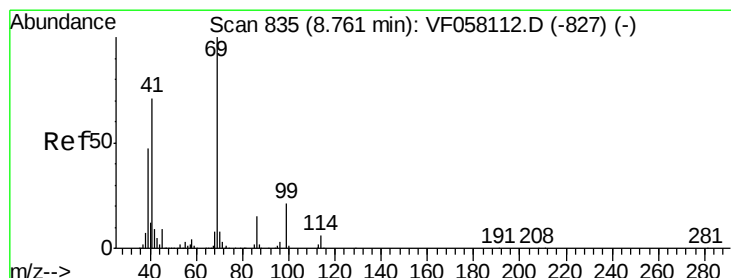
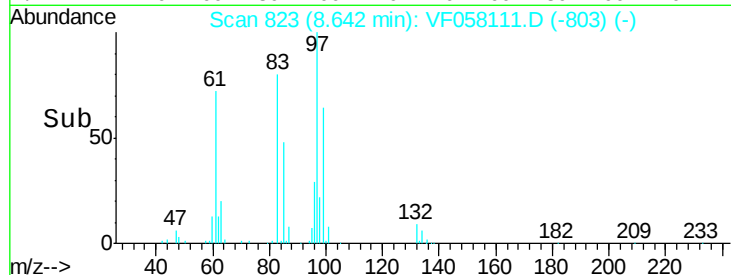
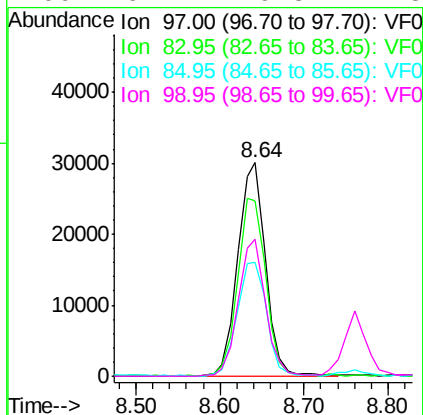
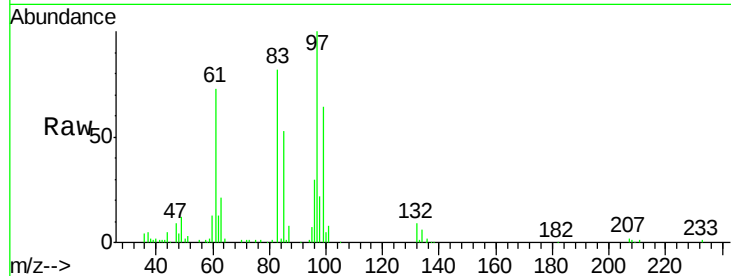
ClientSampleId :

VSTDIC020

Tgt Ion:	97	Resp:	68990
Ion	Ratio	Lower	Upper
97	100		
83	82.3	64.3	96.5
85	53.4	43.8	65.8
99	64.1	49.8	74.8

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#56

Ethyl methacrylate

Concen: 19.011 ug/l

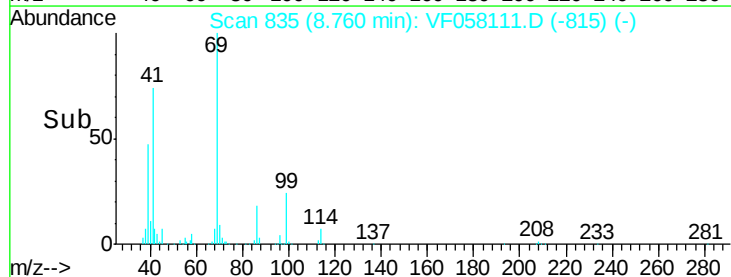
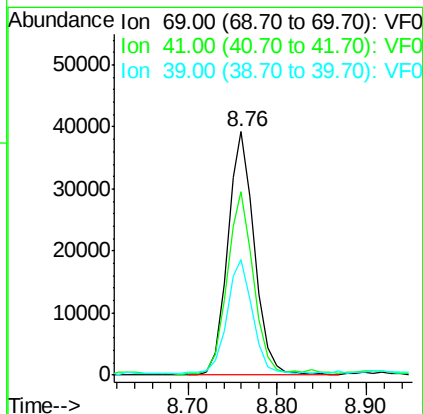
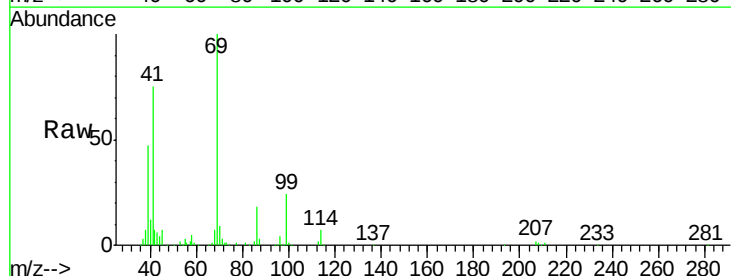
RT: 8.76 min Scan# 835

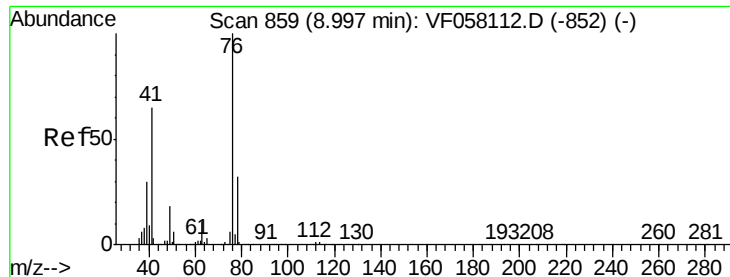
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	69	Resp:	82562
Ion	Ratio	Lower	Upper
69	100		
41	75.3	56.9	85.3
39	47.4	38.0	57.0





#57

1,3-Dichloropropane

Concen: 19.696 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 117755

Ion Ratio Lower Upper

76 100

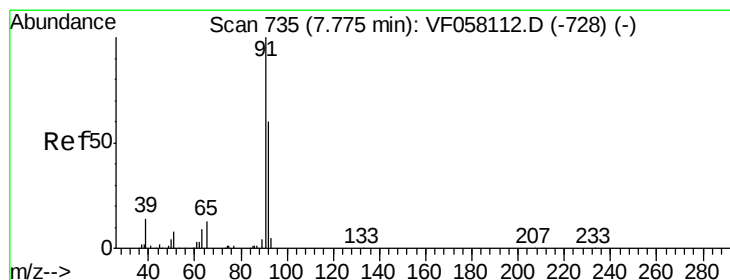
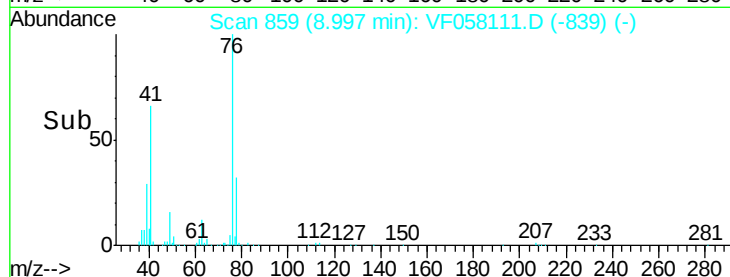
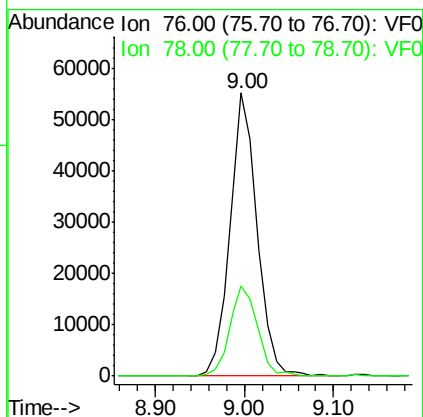
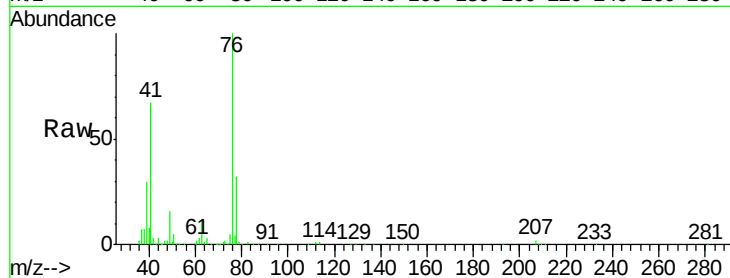
78 31.6 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 100.127 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF058111.D

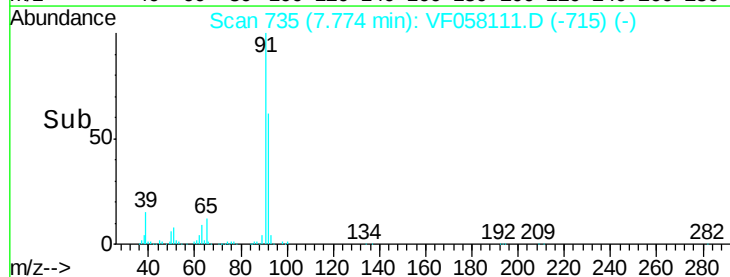
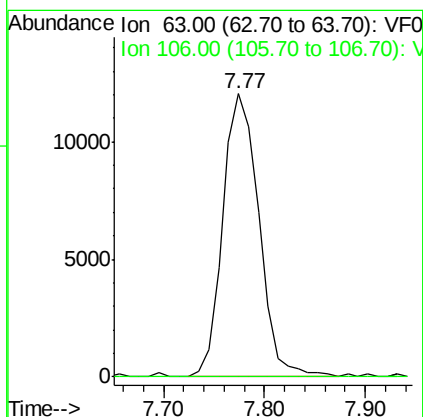
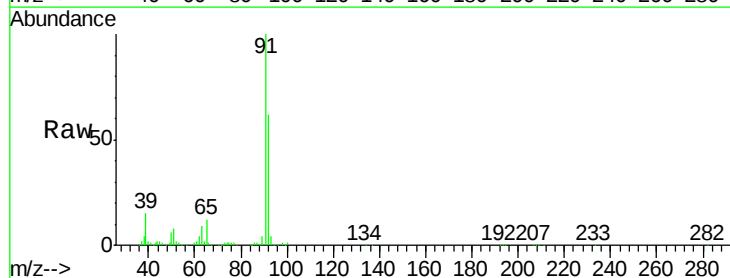
Acq: 6 Jun 2018 17:13

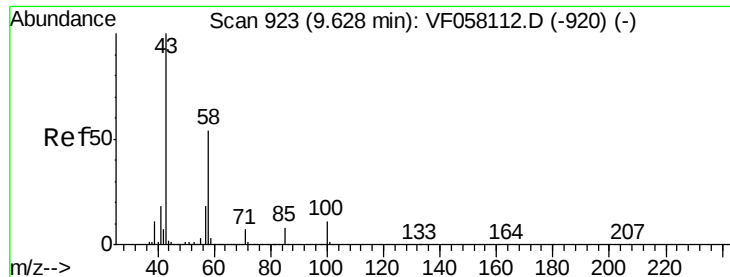
Tgt Ion: 63 Resp: 30062

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





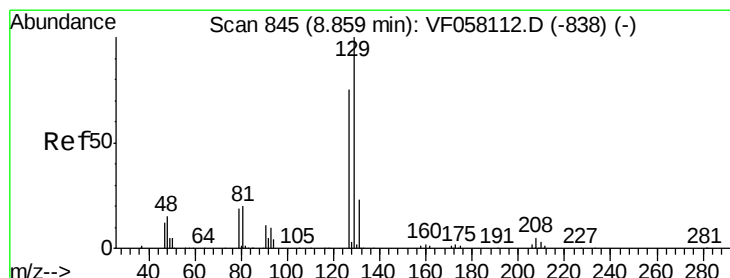
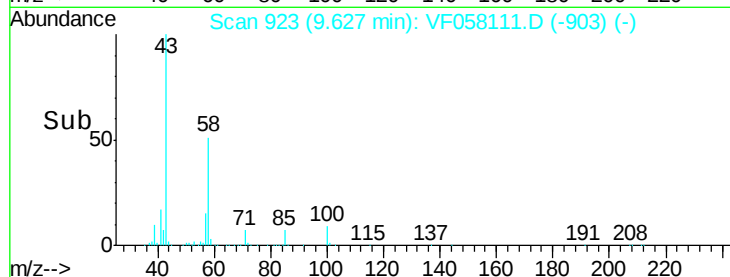
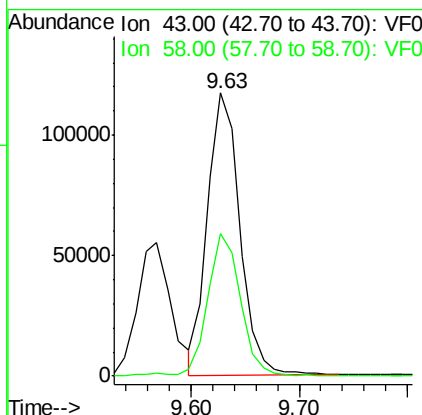
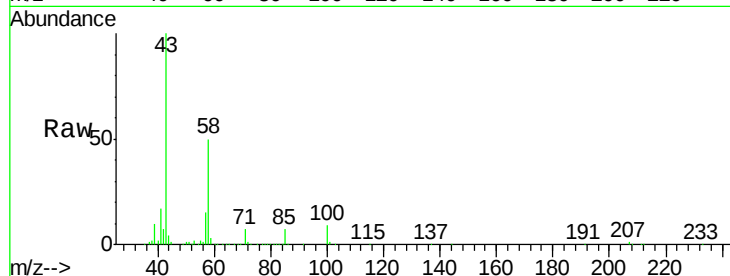
#59
2-Hexanone
Concen: 98.318 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 242750
Ion Ratio Lower Upper
43 100
58 50.4 26.3 78.8

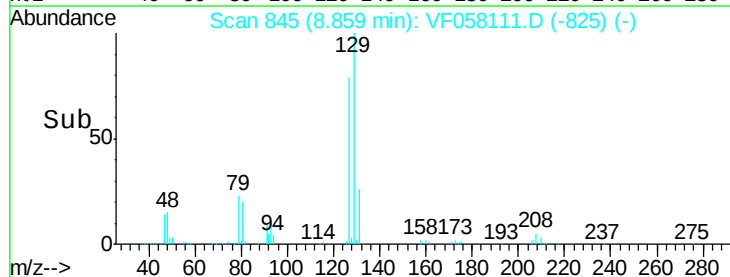
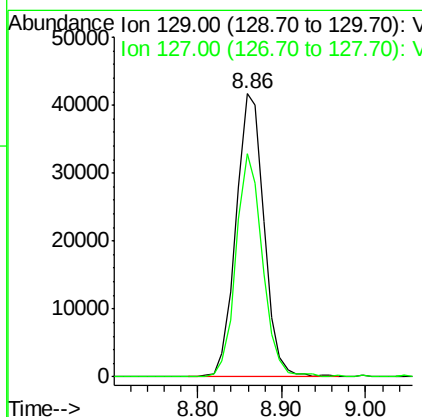
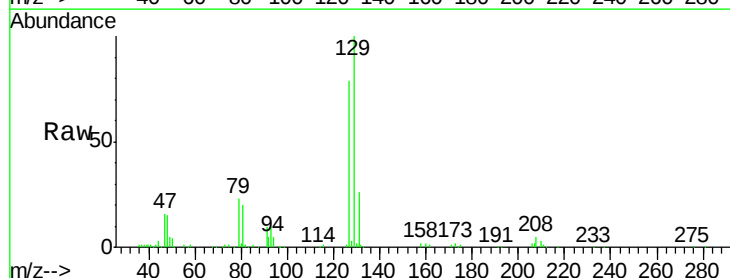
Manual Integrations
APPROVED

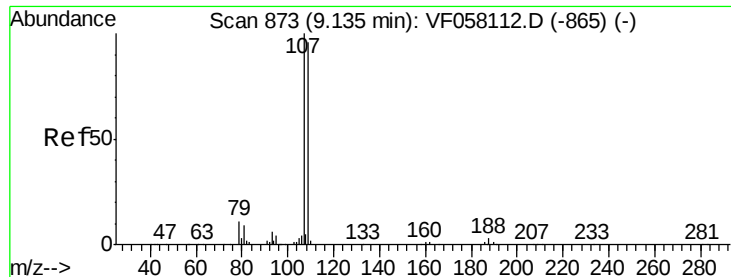
apatel
6/7/2018 12:37:42 PM



#60
Dibromochloromethane
Concen: 19.801 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion: 129 Resp: 96683
Ion Ratio Lower Upper
129 100
127 79.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 19.002 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 77849

Ion Ratio Lower Upper

107 100

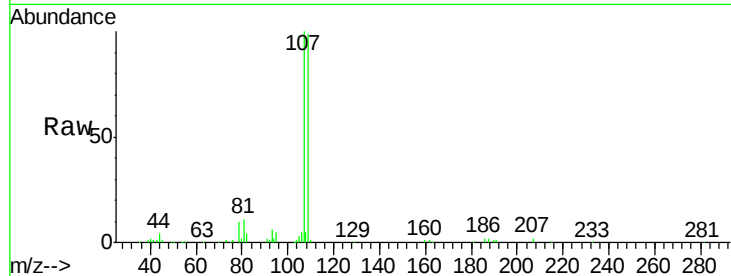
109 98.7 76.6 115.0

Manual Integrations

APPROVED

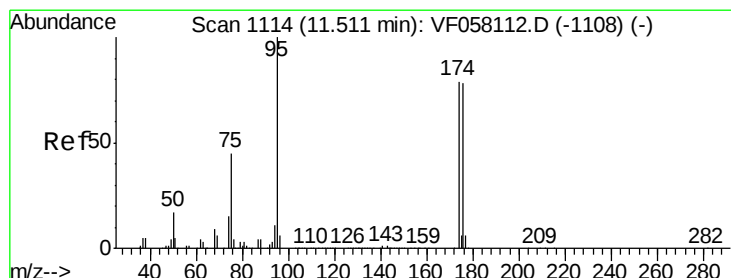
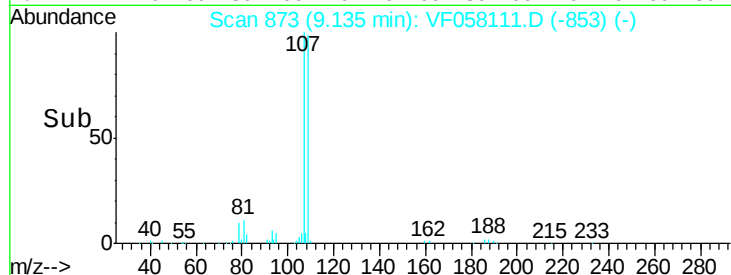
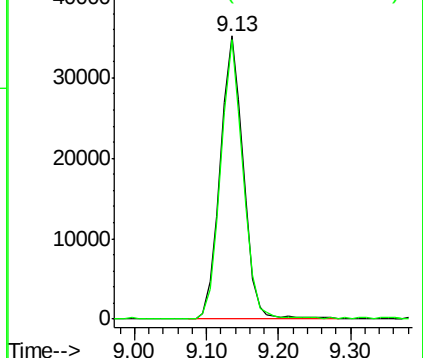
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 19.315 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

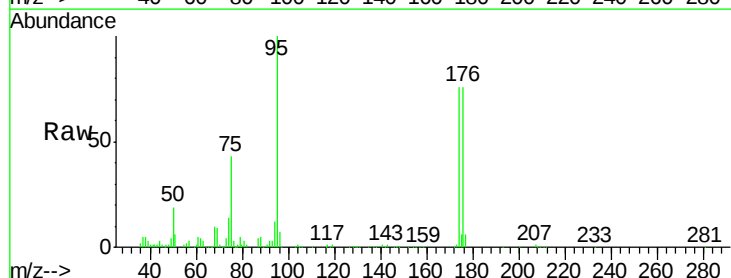
Tgt Ion: 95 Resp: 119331

Ion Ratio Lower Upper

95 100

174 76.2 0.0 157.8

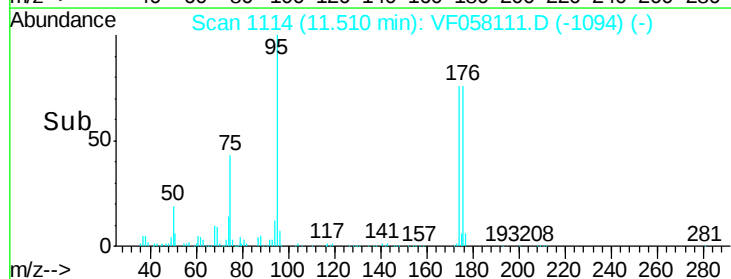
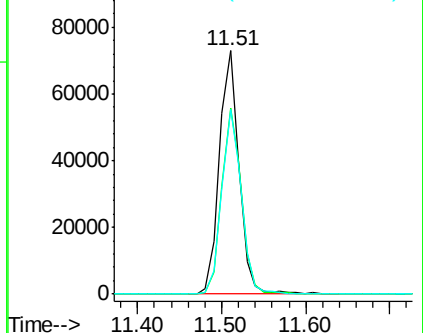
176 76.1 0.0 155.8

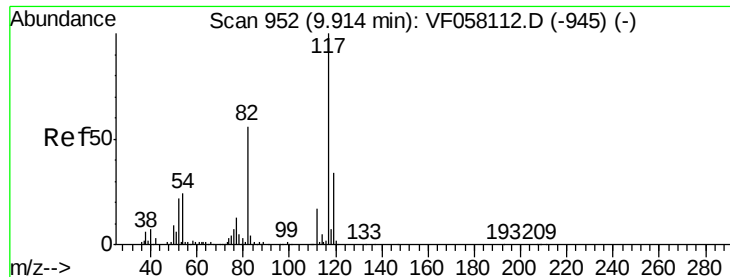


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





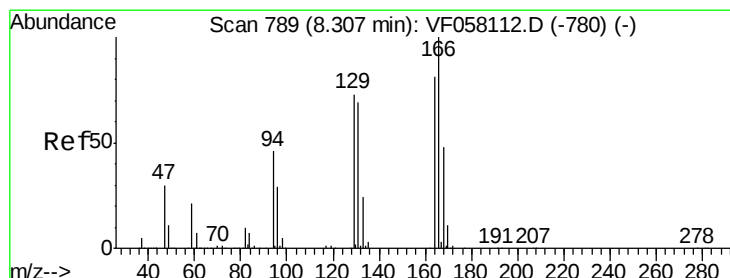
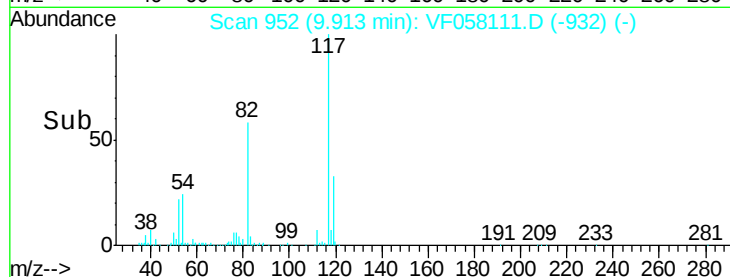
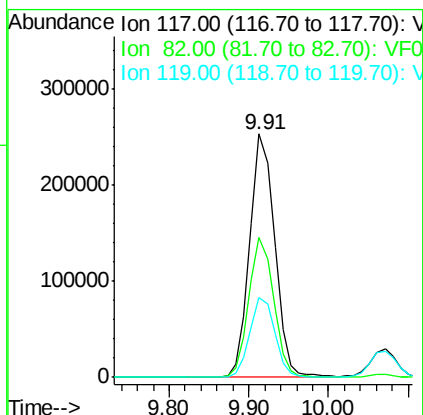
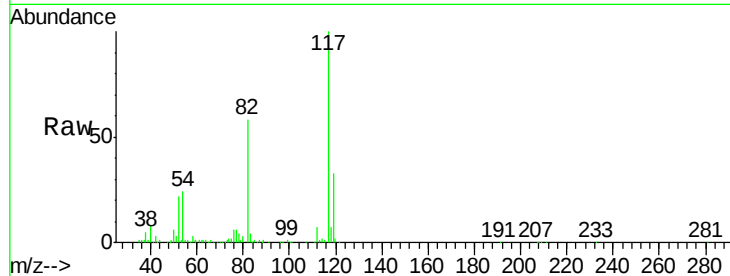
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	546947		
82	57.7	45.2	67.8	
119	33.0	27.5	41.3	

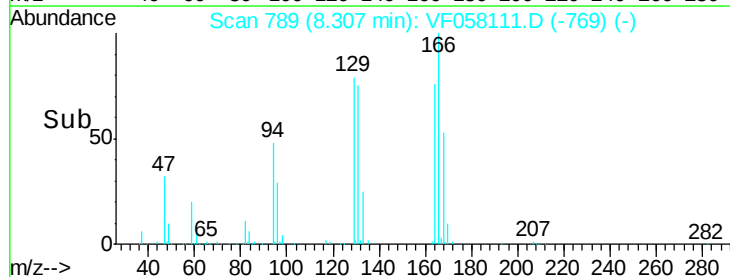
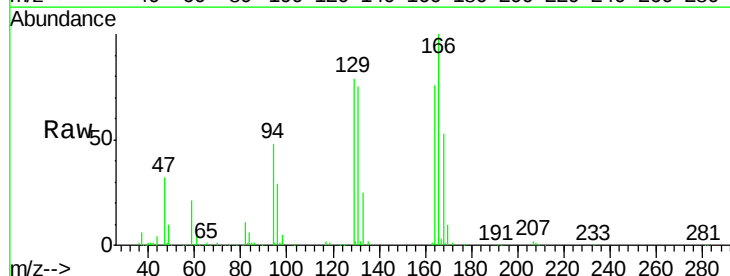
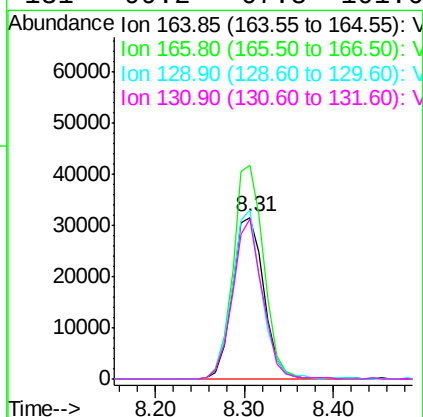
Manual Integrations
APPROVED

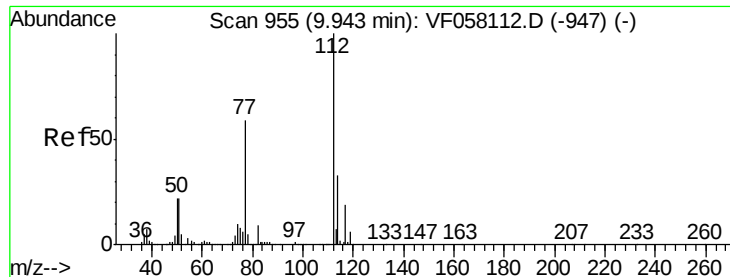
apatel
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#64
Tetrachloroethene
Concen: 18.821 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77705		
166	132.3	98.2	147.4	
129	104.6	71.6	107.4	
131	99.2	67.8	101.6	





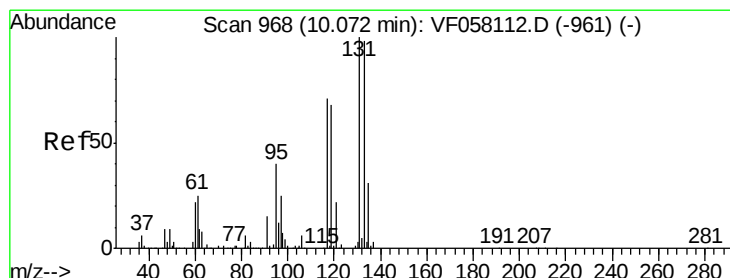
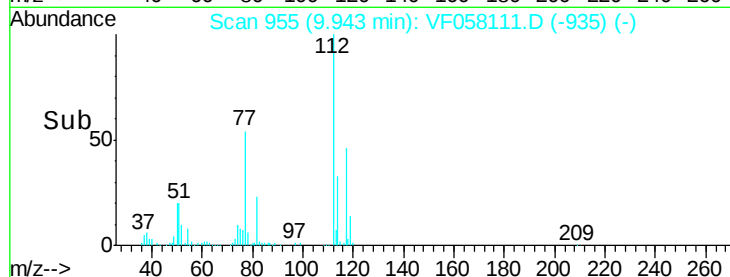
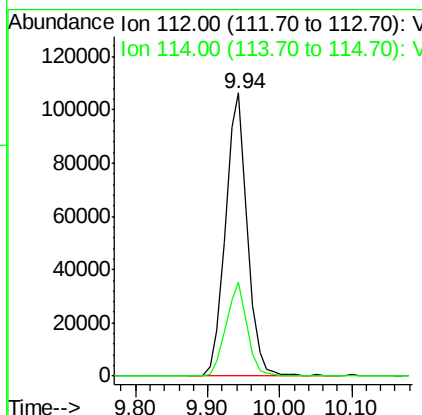
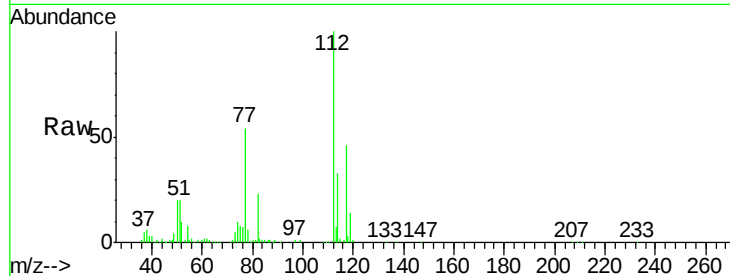
#65
Chlorobenzene
Concen: 20.138 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	223163		
114	33.3	26.2	39.4	

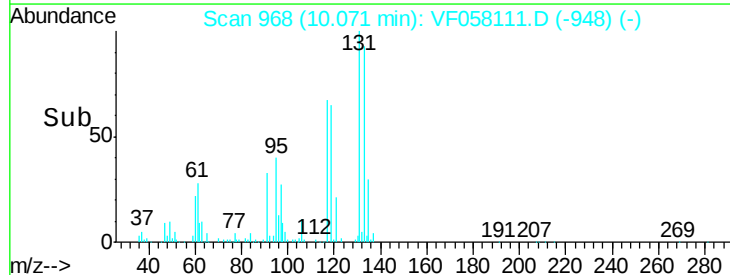
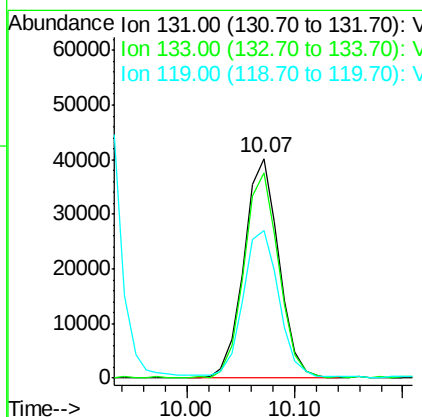
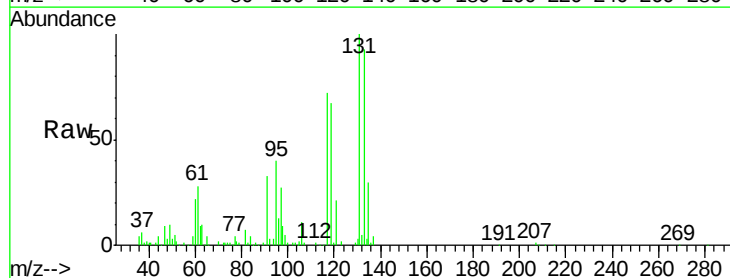
Manual Integrations
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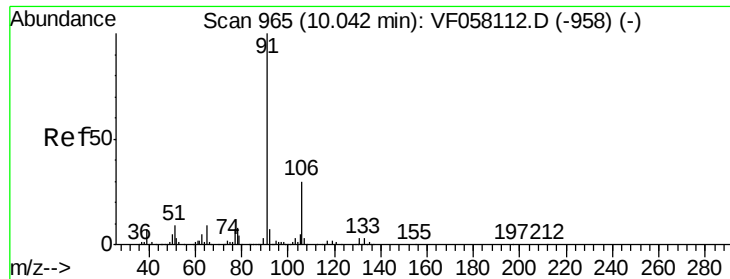
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.949 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	90749		
133	93.3	49.1	147.4	
119	67.0	34.3	102.8	





#67

Ethyl Benzene

Concen: 20.204 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 393524

Ion Ratio Lower Upper

91 100

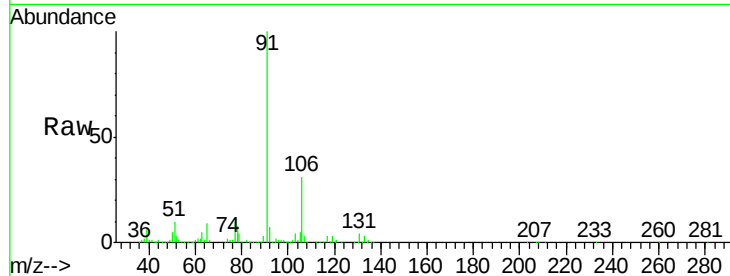
106 31.1 24.2 36.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

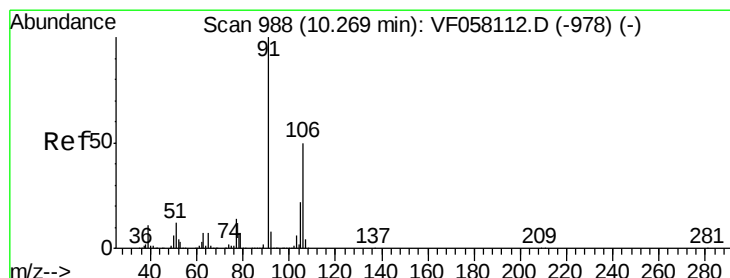
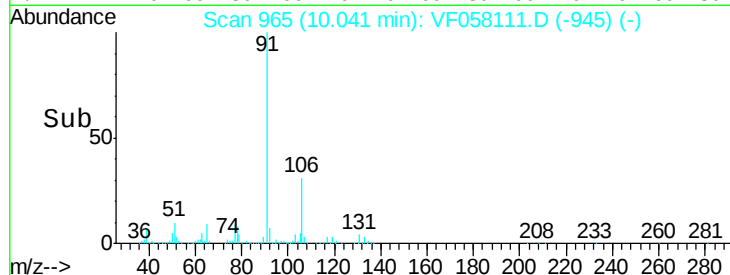
50000

0

Time-->

9.90 10.00 10.10 10.20

10.04



#68

m/p-Xylenes

Concen: 42.074 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF058111.D

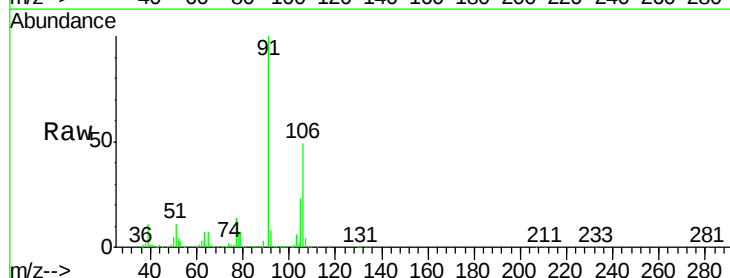
Acq: 6 Jun 2018 17:13

Tgt Ion: 106 Resp: 303826

Ion Ratio Lower Upper

106 100

91 206.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

200000

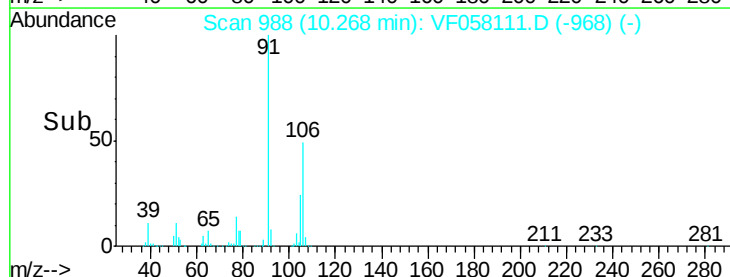
100000

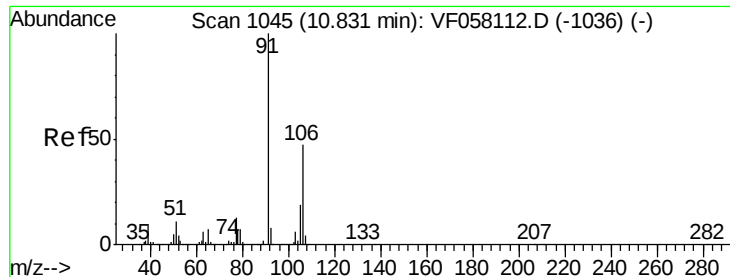
0

Time-->

10.10 10.20 10.30 10.40

10.27





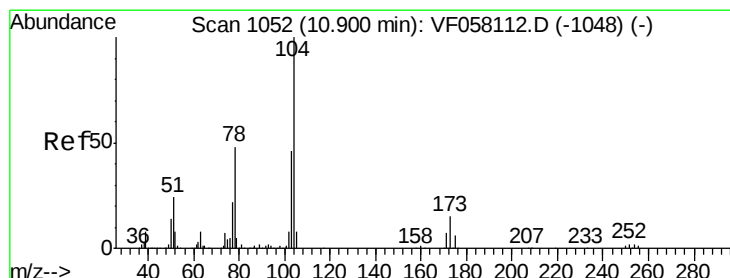
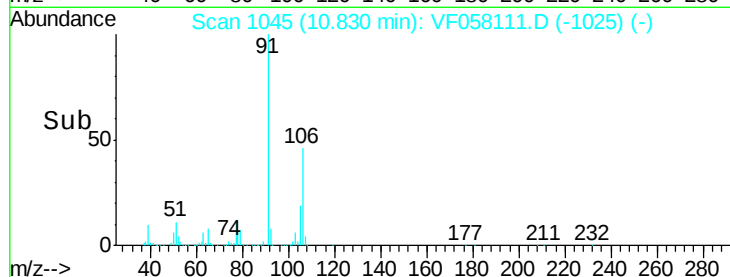
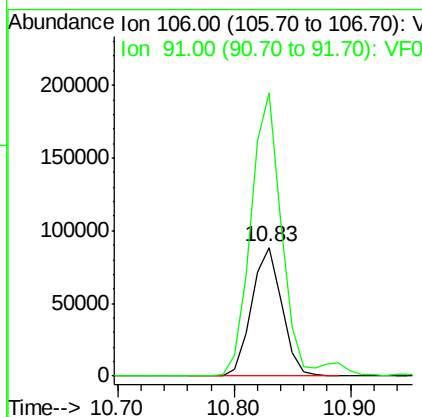
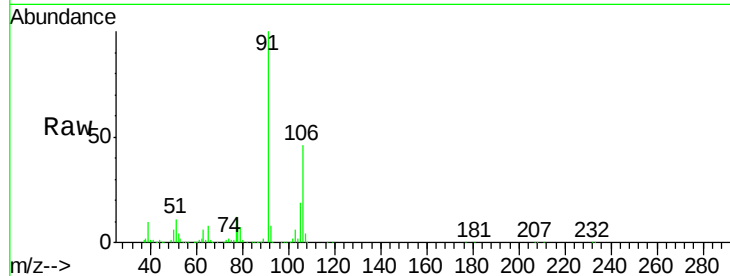
#69
o-Xylene
Concen: 20.317 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tgt Ion:106 Resp: 159797
Ion Ratio Lower Upper
106 100
91 219.5 107.0 321.0

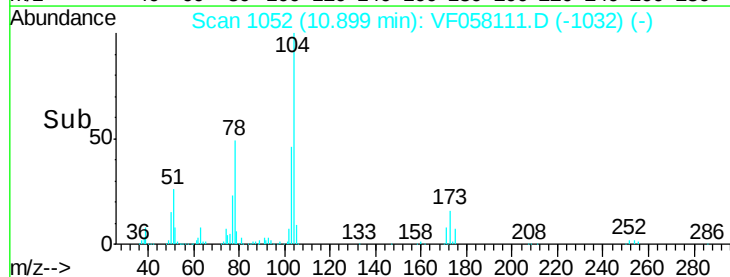
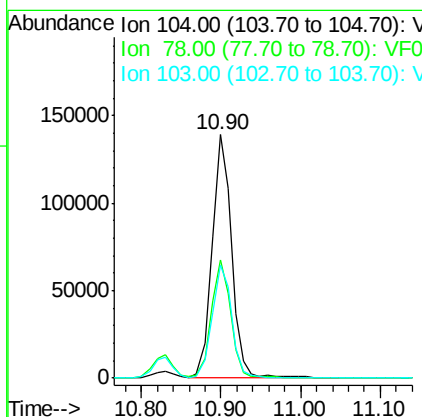
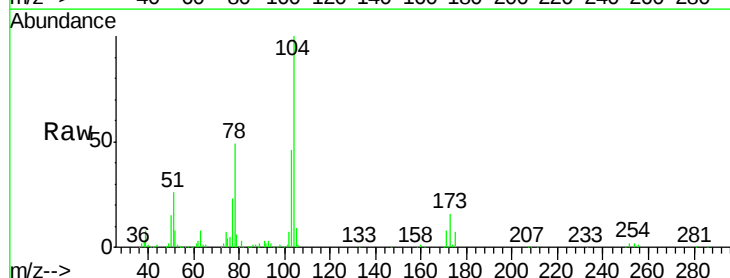
Manual Integrations
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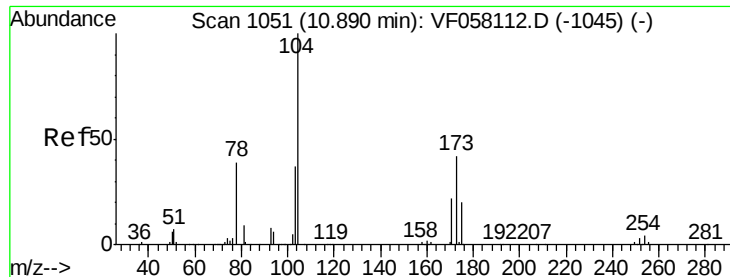
apatel
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#70
Styrene
Concen: 20.343 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion:104 Resp: 239908
Ion Ratio Lower Upper
104 100
78 48.7 38.4 57.6
103 46.2 37.0 55.6





#71

Bromoform

Concen: 19.938 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion:173 Resp: 59397

Ion Ratio Lower Upper

173 100

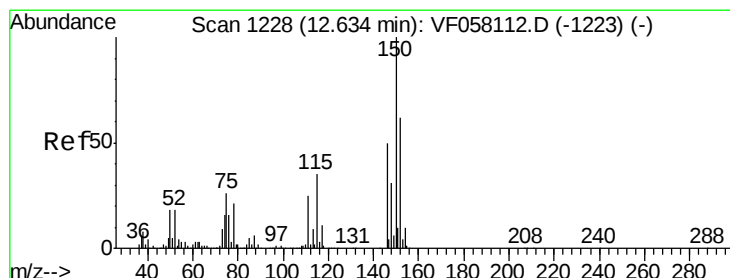
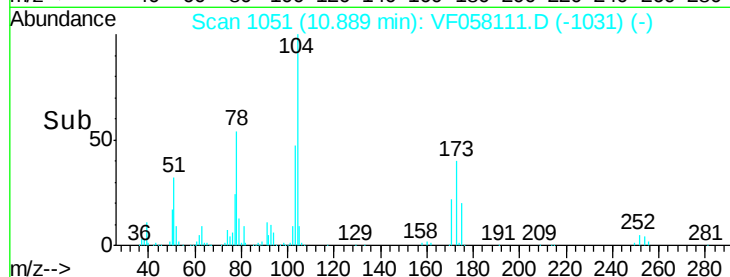
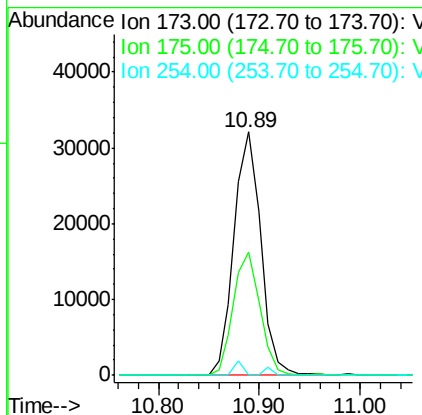
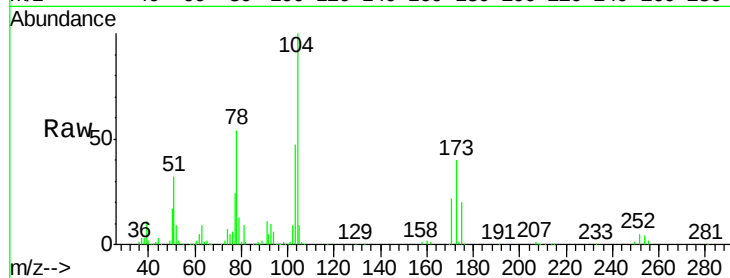
175 50.6 24.6 74.0

254 0.0 7.8 11.8#

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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: VF058111.D

Acq: 6 Jun 2018 17:13

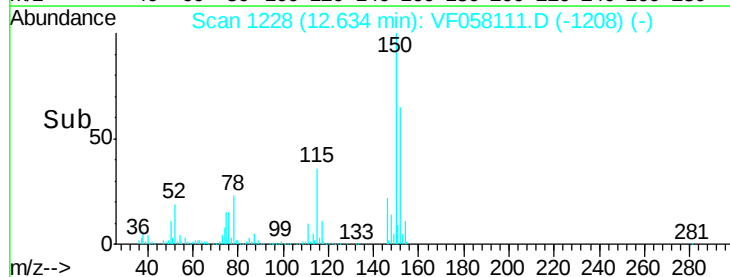
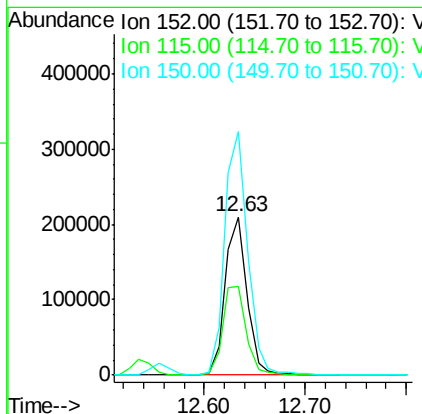
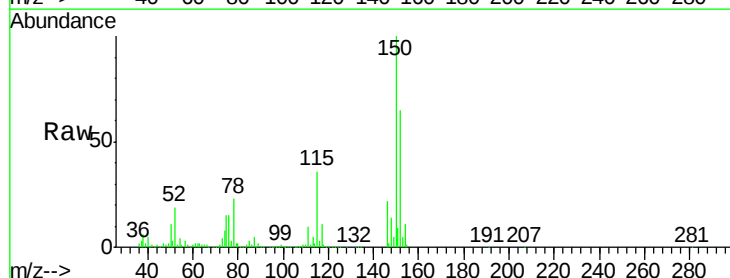
Tgt Ion:152 Resp: 317684

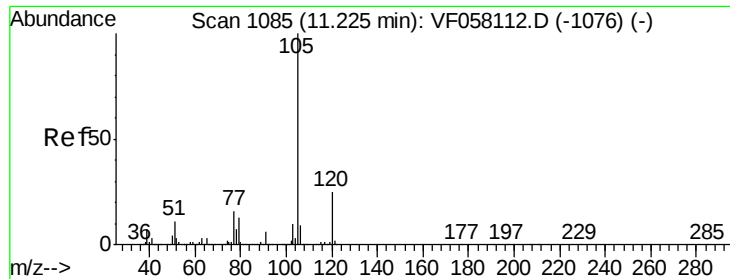
Ion Ratio Lower Upper

152 100

115 55.7 28.5 85.5

150 153.9 0.0 323.8





#73

Isopropylbenzene

Concen: 20.525 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 463058

Ion Ratio Lower Upper

105 100

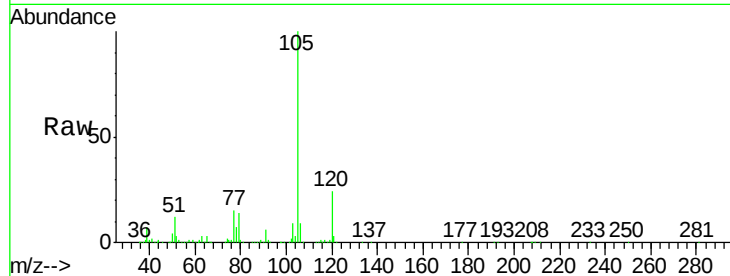
120 23.5 12.7 38.1

Manual Integrations

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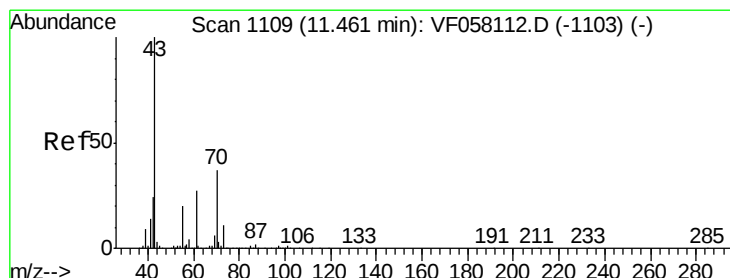
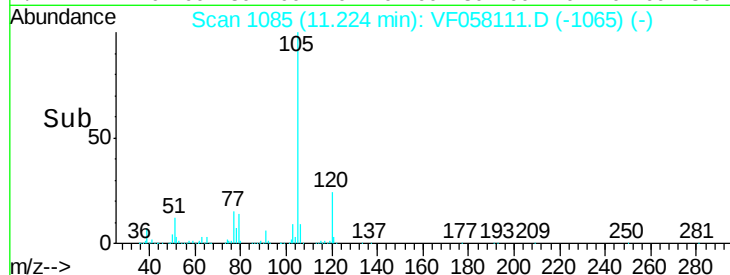
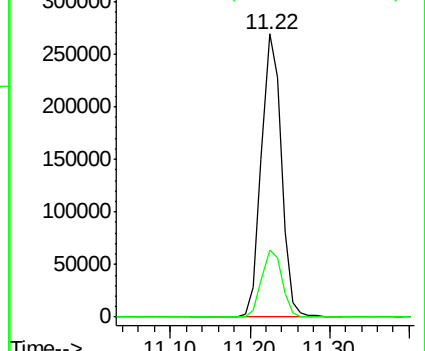
apatel

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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: 19.730 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion: 43 Resp: 165990

Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 21.3 15.8 23.6

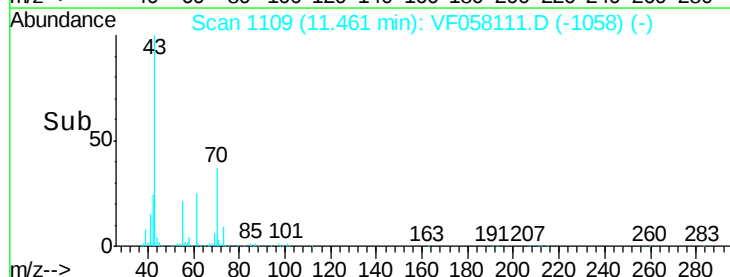
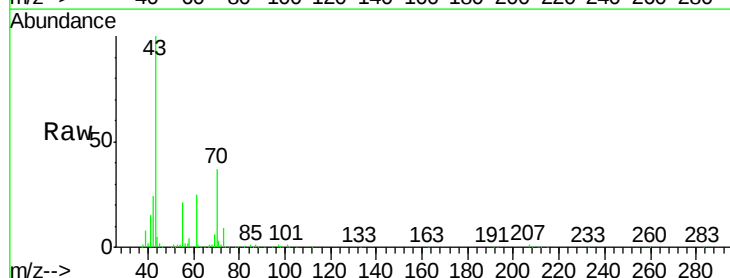
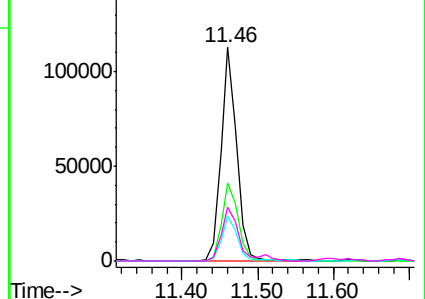
61 25.1 21.3 31.9

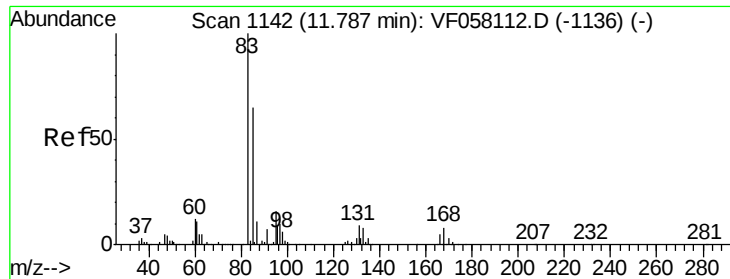
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.915 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 107622

Ion Ratio Lower Upper

83 100

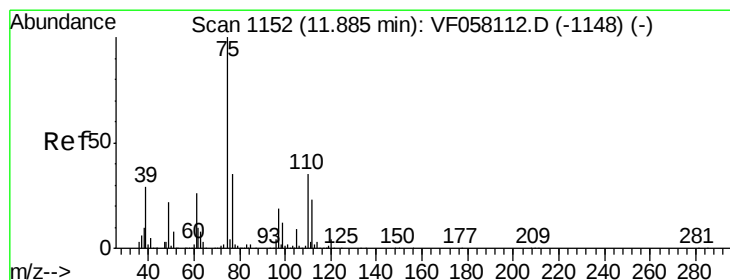
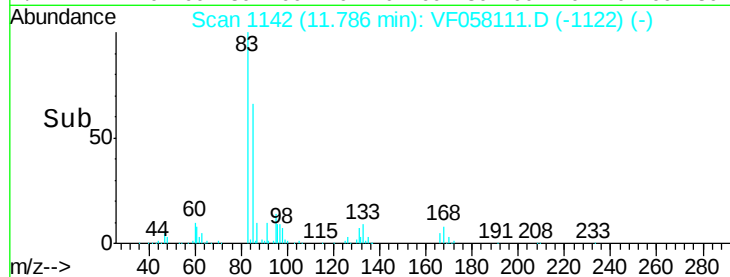
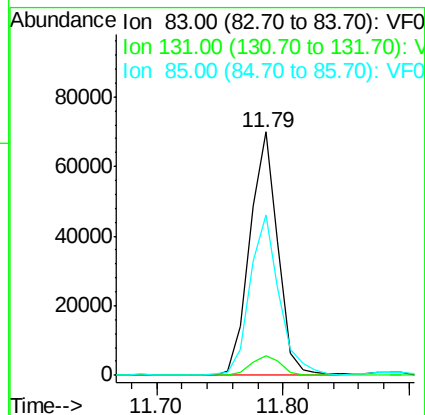
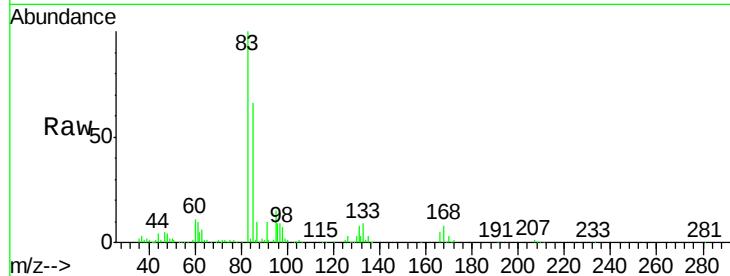
131 8.1 4.5 13.7

85 65.9 32.8 98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.940 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF058111.D

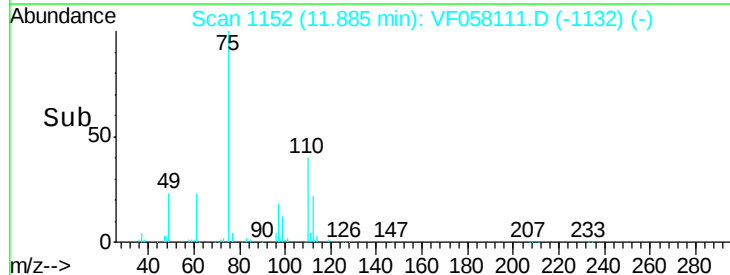
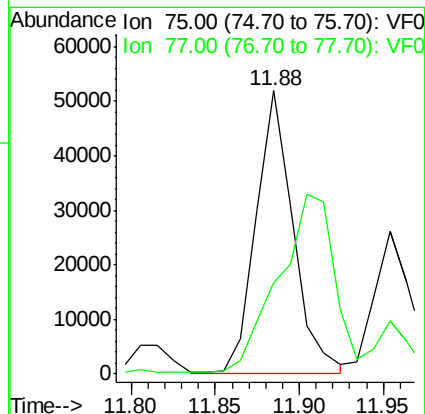
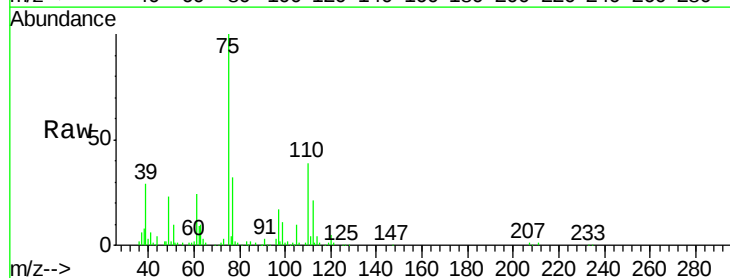
Acq: 6 Jun 2018 17:13

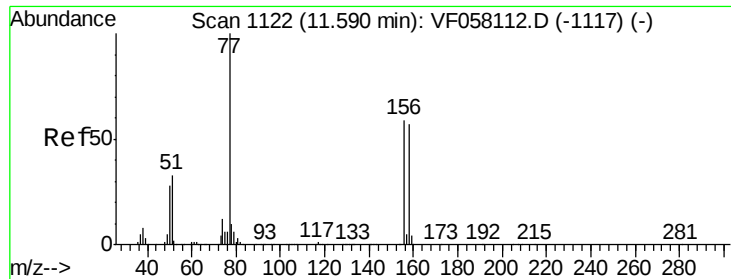
Tgt Ion: 75 Resp: 78631

Ion Ratio Lower Upper

75 100

77 32.5 17.5 52.5





#77

Bromobenzene

Concen: 20.364 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

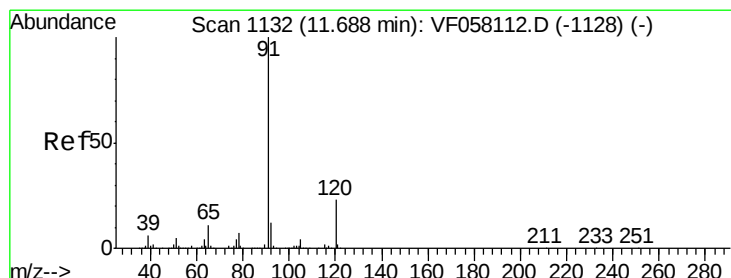
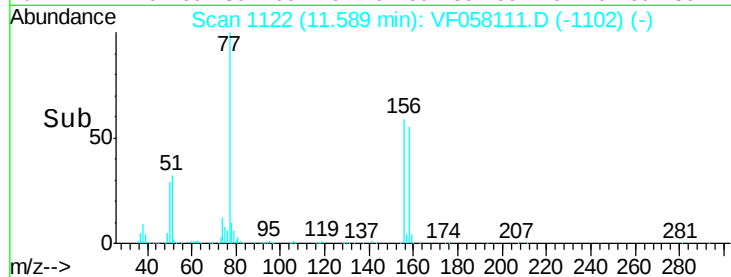
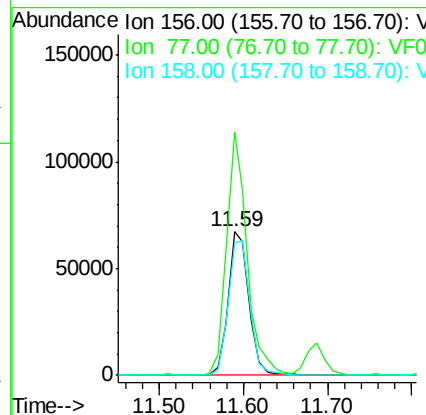
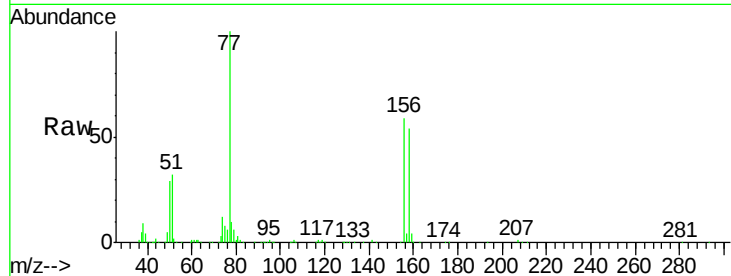
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	114485		
77	169.7	84.8	254.4	
158	92.5	47.9	143.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.161 ug/l

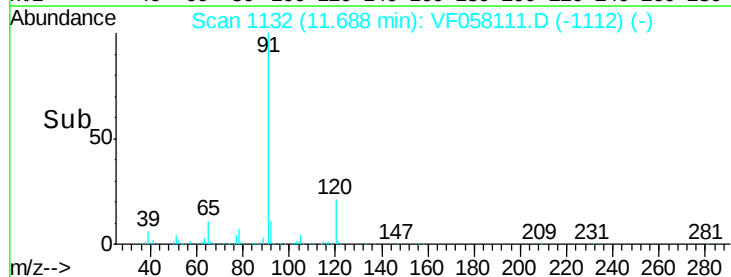
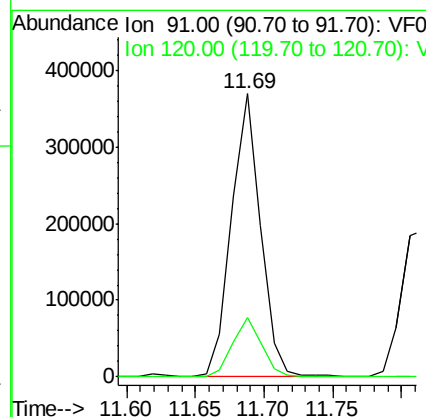
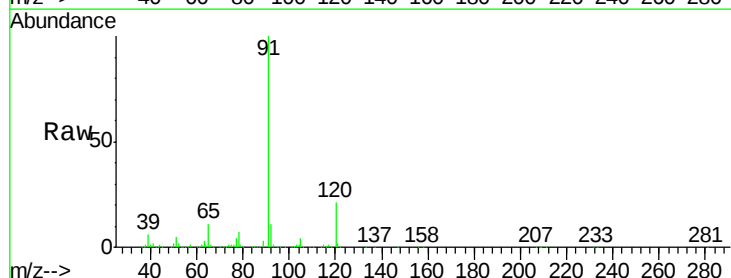
RT: 11.69 min Scan# 1132

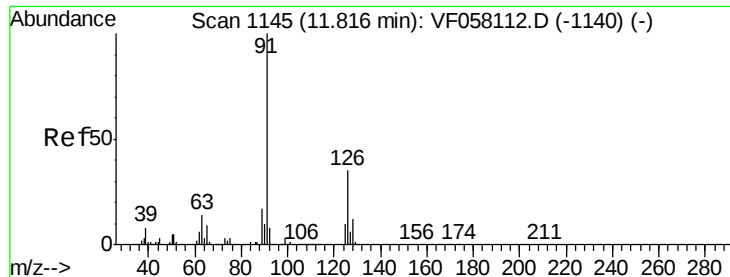
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	543490		
120	20.9	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.192 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 321549

Ion Ratio Lower Upper

91 100

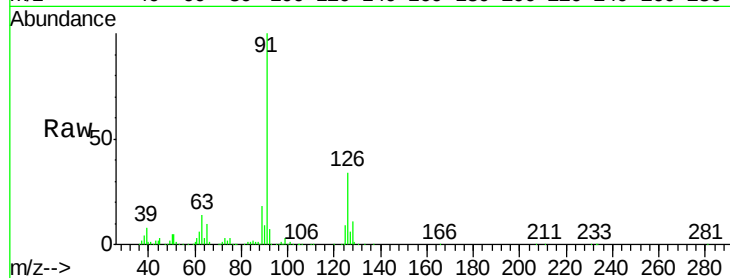
126 33.6 17.6 52.9

Manual Integrations

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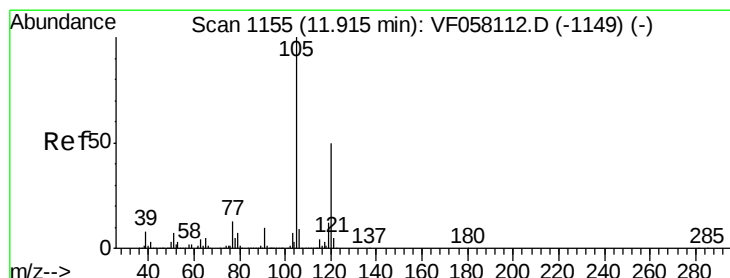
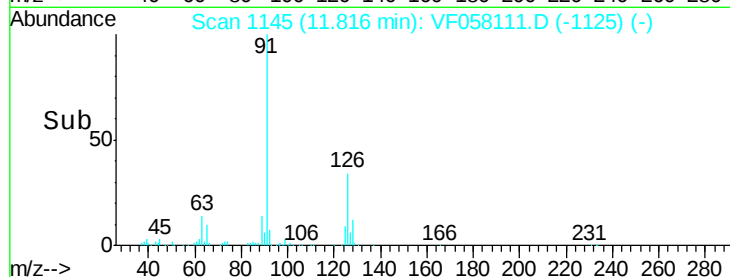
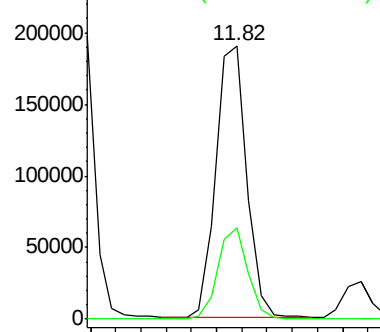
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.366 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF058111.D

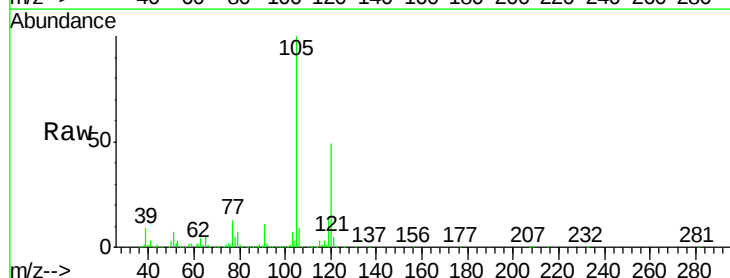
Acq: 6 Jun 2018 17:13

Tgt Ion: 105 Resp: 380897

Ion Ratio Lower Upper

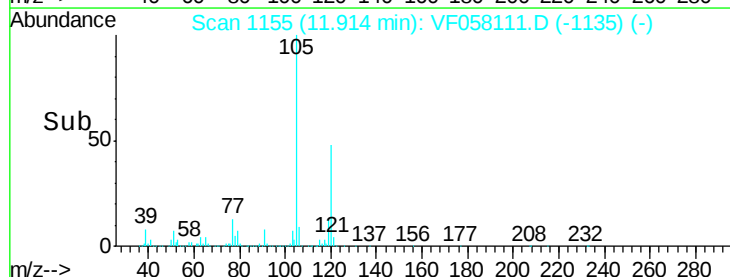
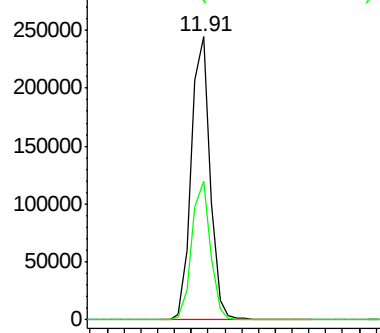
105 100

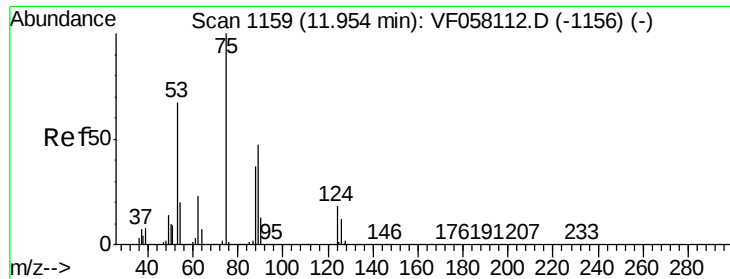
120 48.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.137 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

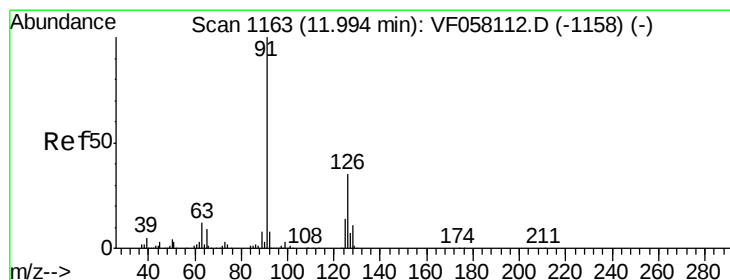
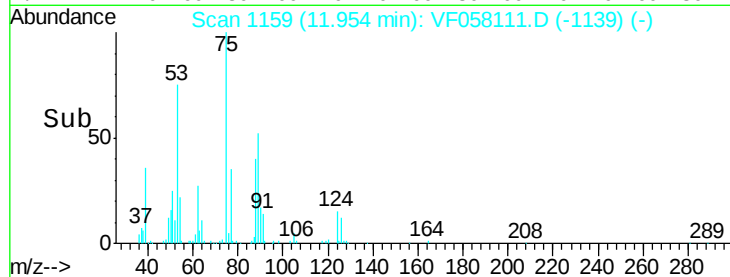
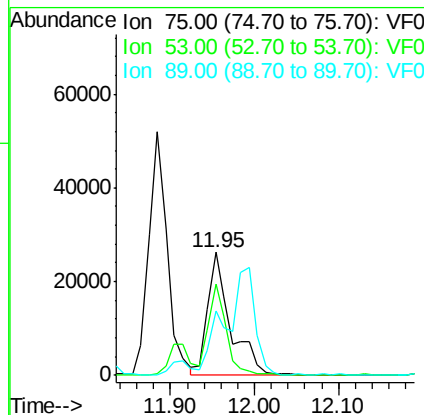
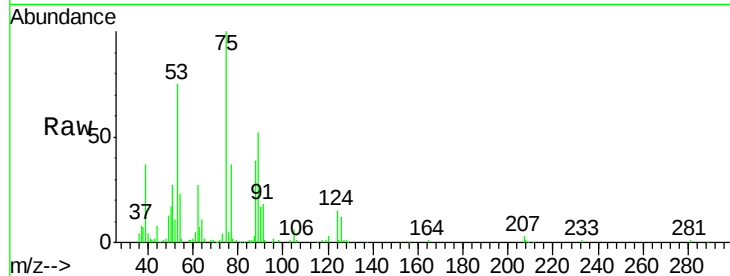
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	50292
Ion Ratio	Lower	Upper	
75	100		
53	74.5	58.7	88.1
89	52.3	39.8	59.6

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#82

4-Chlorotoluene

Concen: 20.371 ug/l

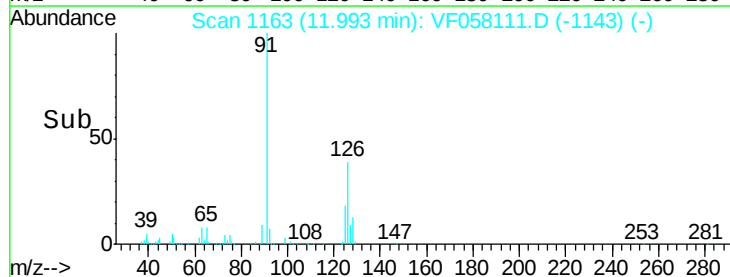
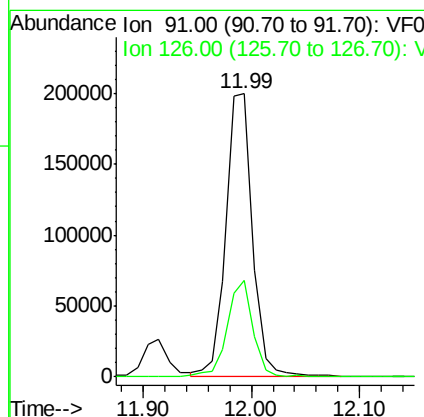
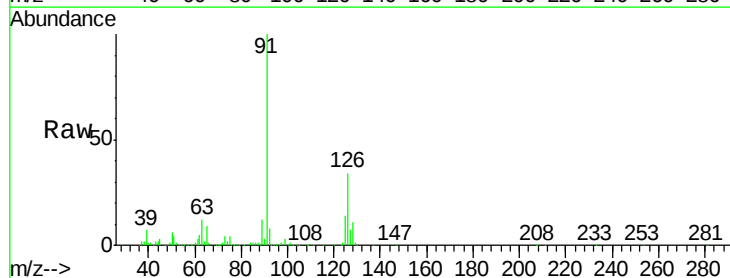
RT: 11.99 min Scan# 1163

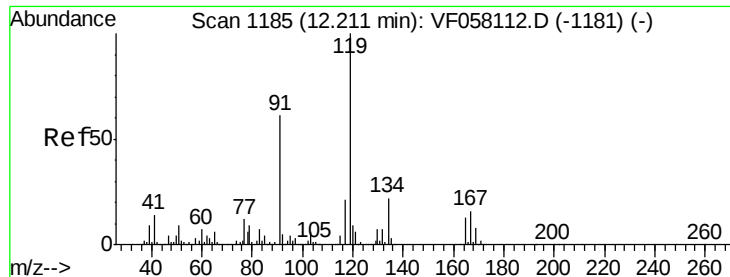
Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Tgt Ion:	91	Resp:	342123
Ion Ratio	Lower	Upper	
91	100		
126	34.0	17.4	52.2





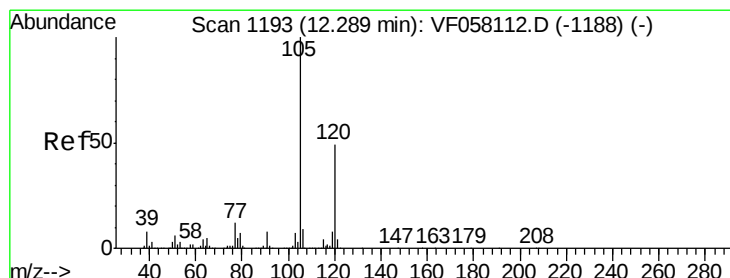
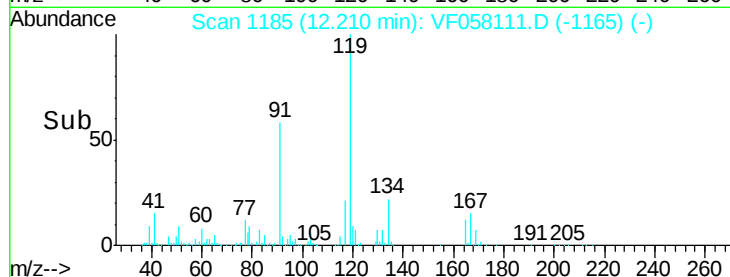
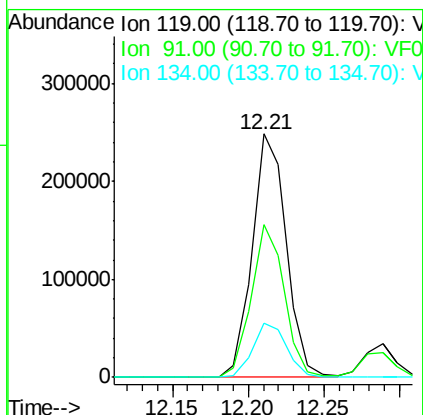
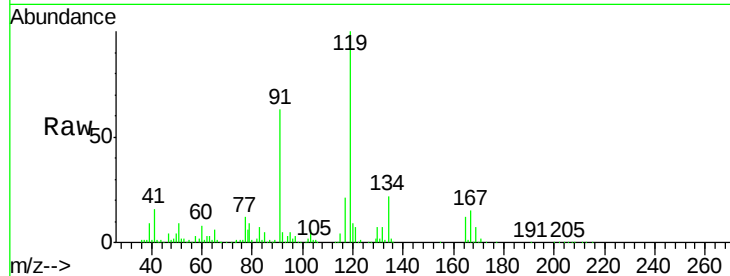
#83
 tert-Butylbenzene
 Concen: 20.883 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	390627		
91	62.8	30.4	91.3	
134	22.0	11.2	33.5	

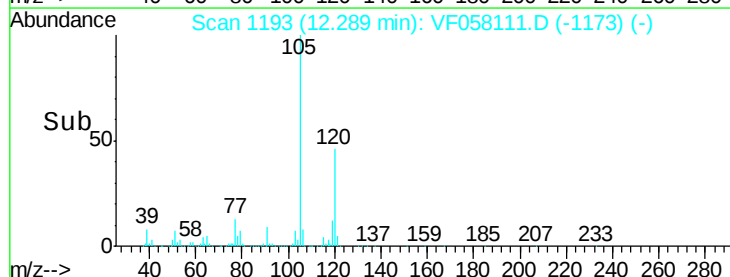
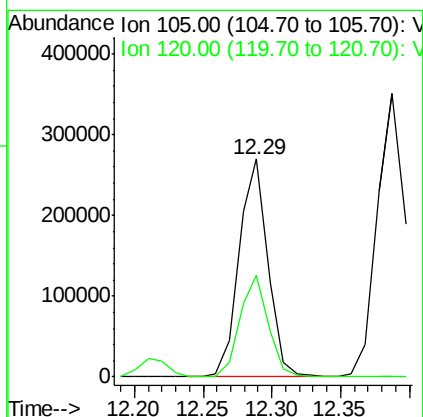
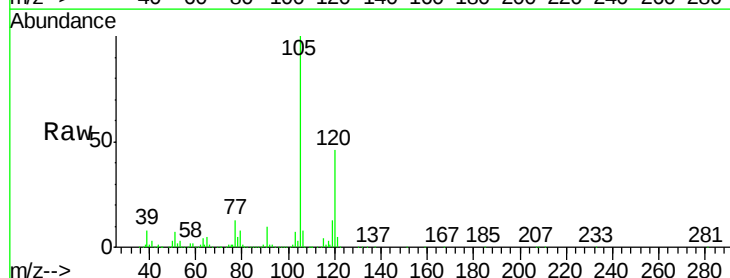
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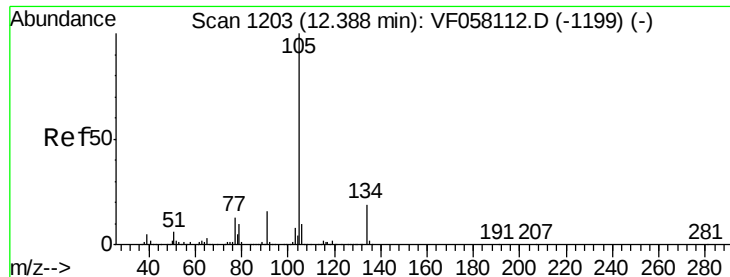
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.204 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391994		
120	46.5	24.7	74.1	





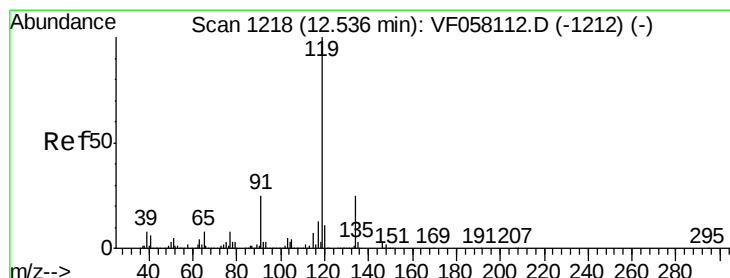
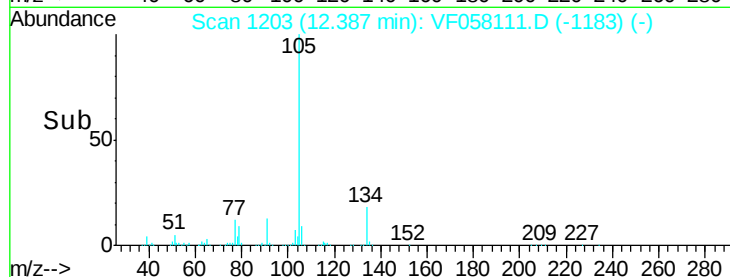
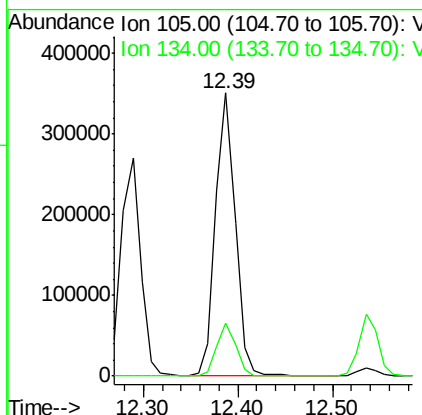
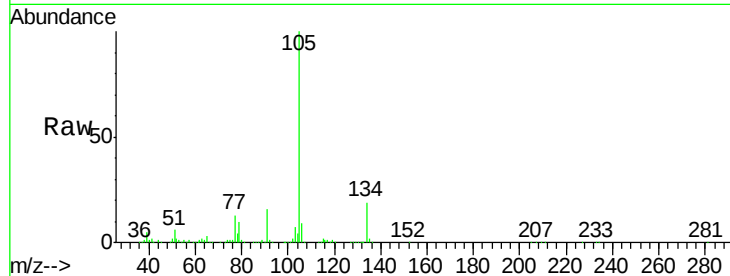
#85
 sec-Butylbenzene
 Concen: 20.081 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

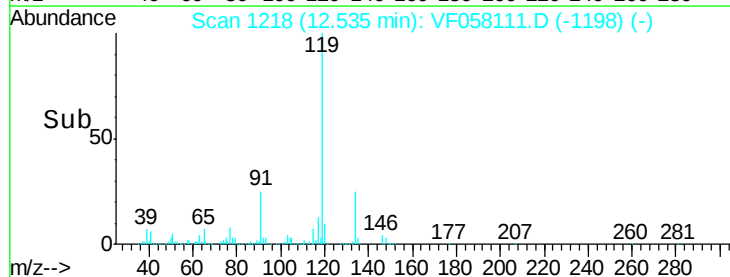
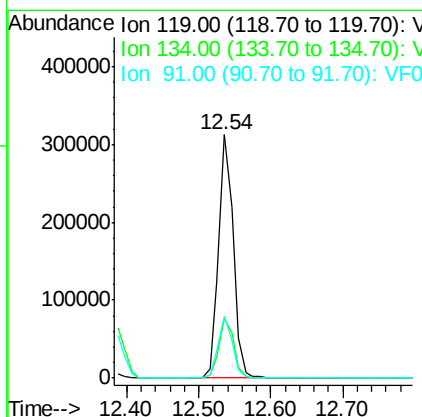
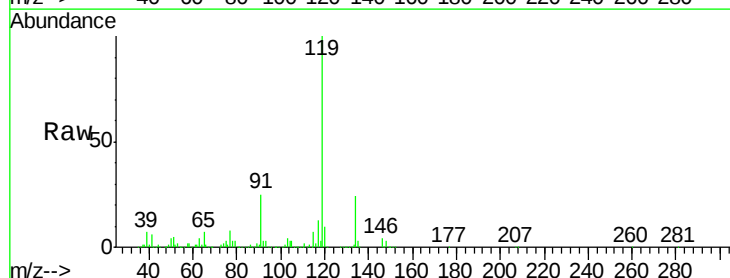
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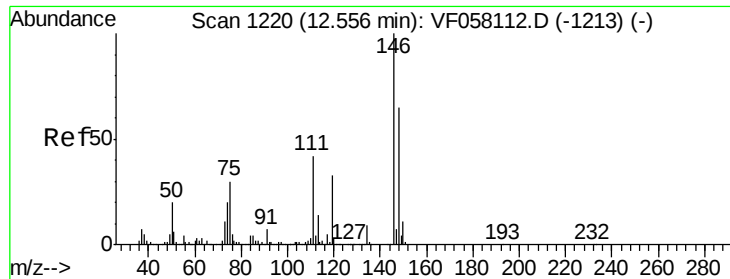
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#86
 p-Isopropyltoluene
 Concen: 20.486 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.7	38.0
91	25.3	12.6	37.6





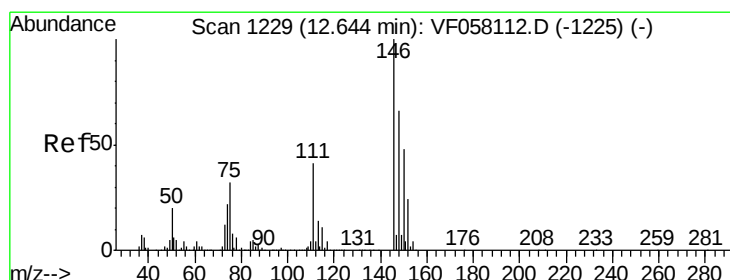
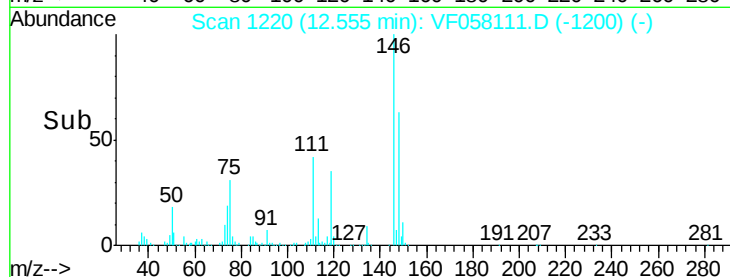
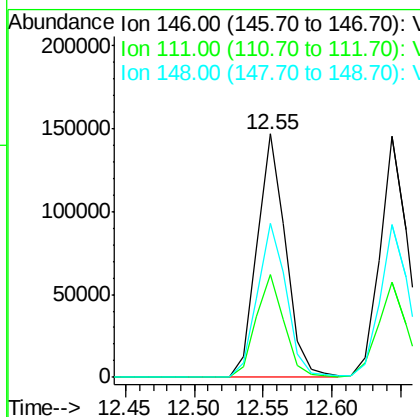
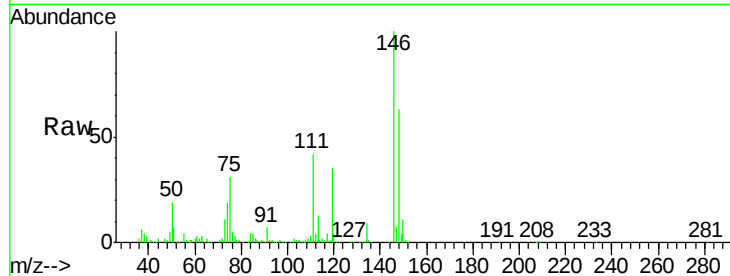
#87
 1,3-Dichlorobenzene
 Concen: 20.593 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	213428		
111	42.1	20.8	62.5	
148	63.5	32.3	96.9	

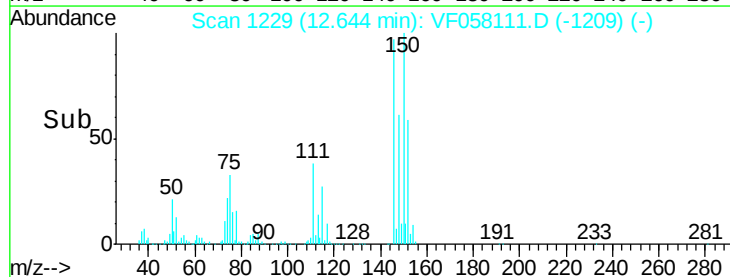
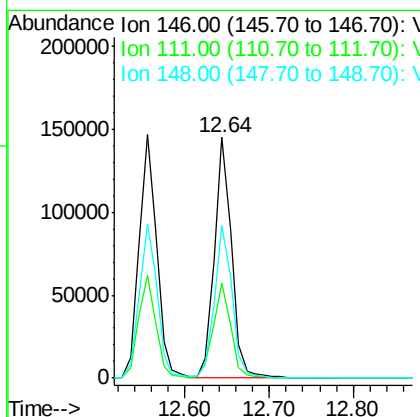
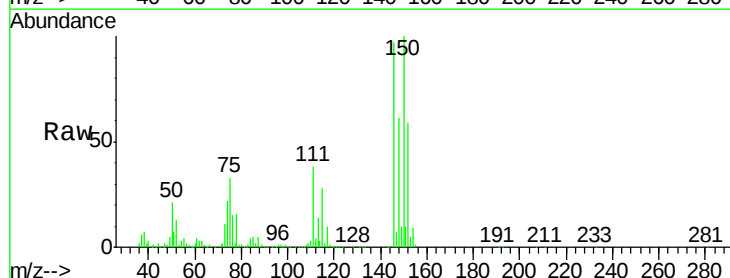
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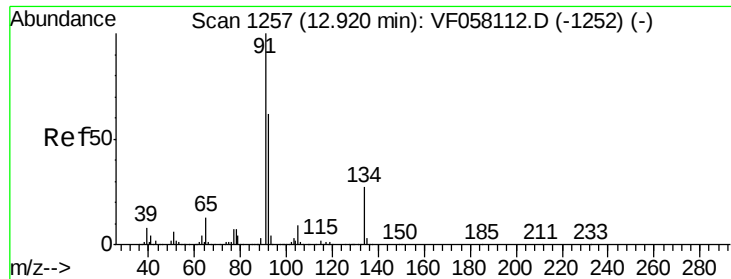
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#88
 1,4-Dichlorobenzene
 Concen: 20.715 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206117		
111	39.6	20.4	61.2	
148	63.3	33.0	99.0	





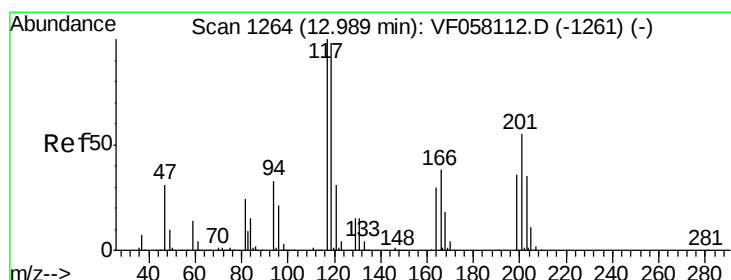
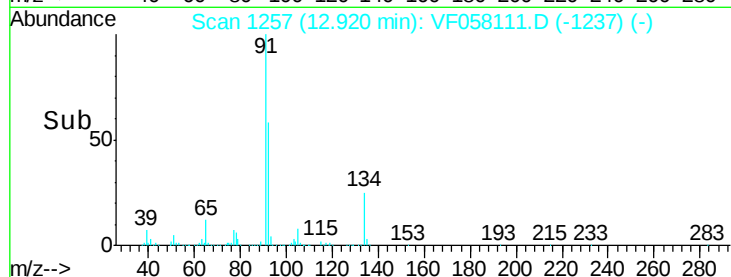
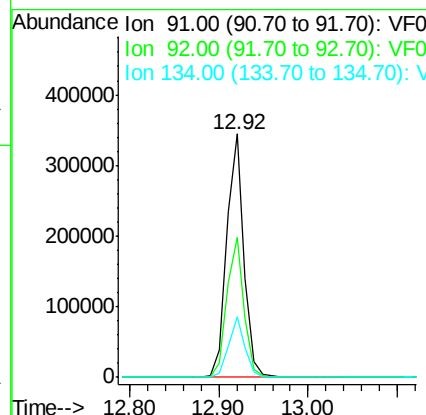
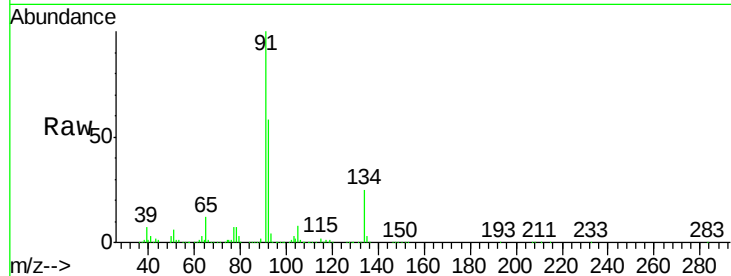
#89
n-Butylbenzene
Concen: 21.249 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	31.1	93.5
134	25.1	13.6	40.8

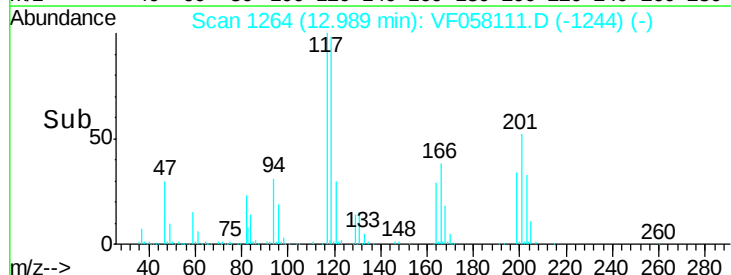
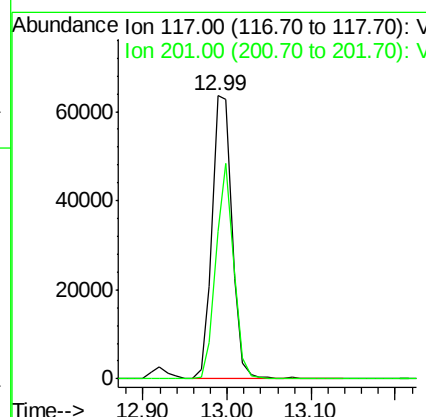
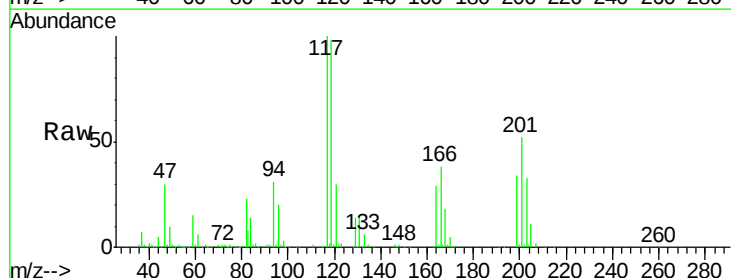
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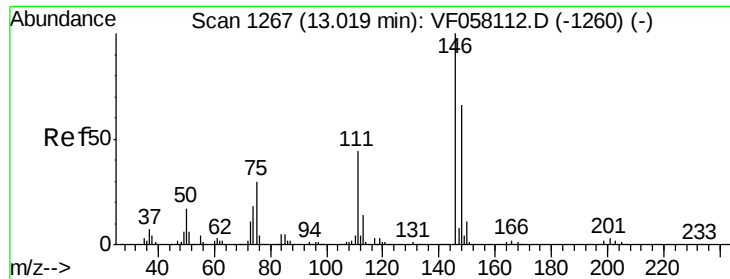
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#90
Hexachloroethane
Concen: 20.706 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.0	27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 20.316 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF058111.D

Acq: 6 Jun 2018 17:13

Instrument :

MSVOA_F

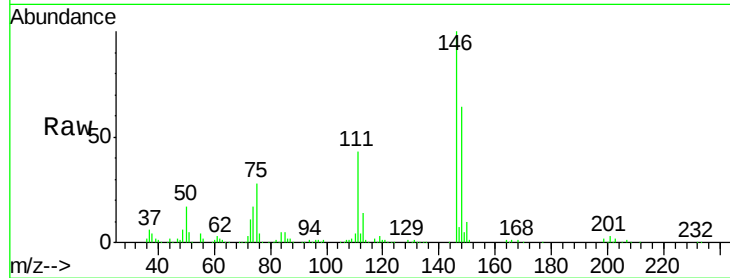
ClientSampleId :

VSTDIC020

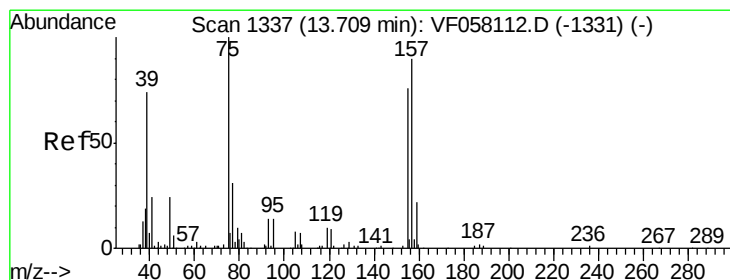
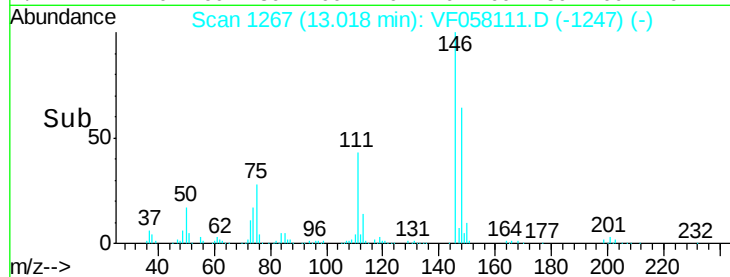
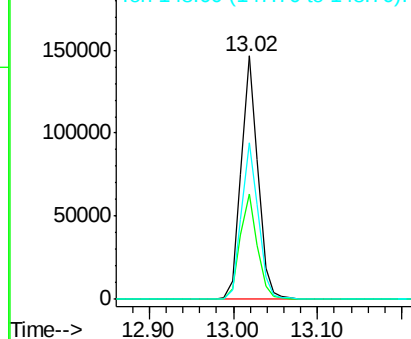
Tgt Ion:	146	Resp:	204396
Ion Ratio	Lower	Upper	
146	100		
111	43.3	22.0	66.0
148	64.2	33.1	99.3

Manual Integrations
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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: 20.239 ug/l

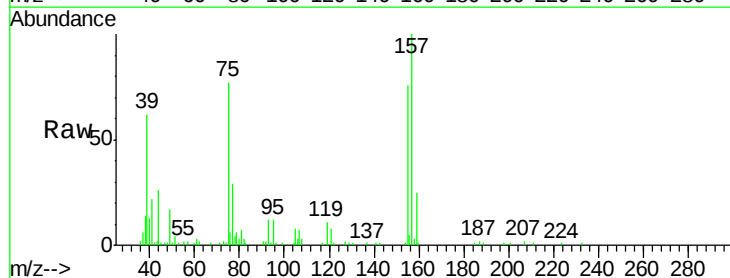
RT: 13.72 min Scan# 1338

Delta R.T. 0.01 min

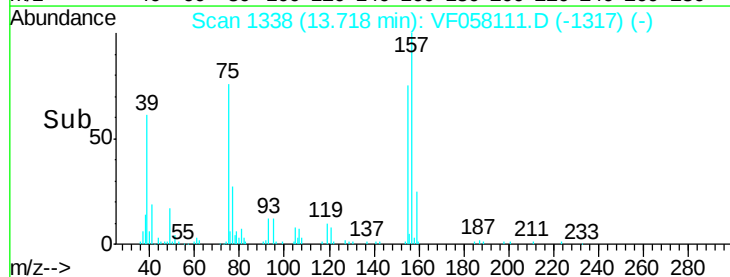
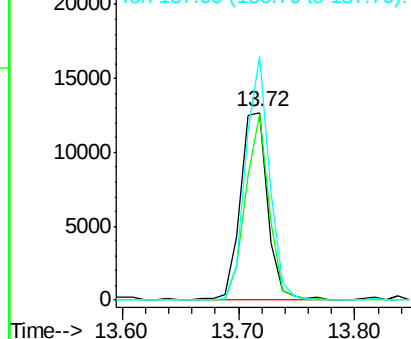
Lab File: VF058111.D

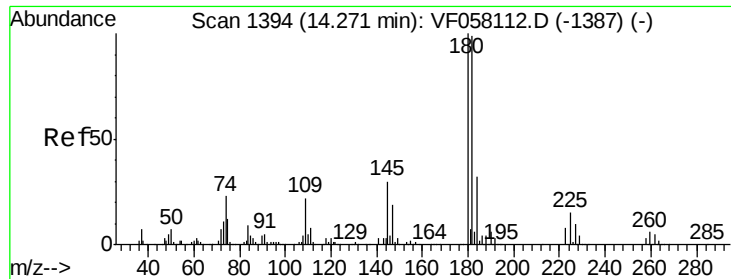
Acq: 6 Jun 2018 17:13

Tgt Ion:	75	Resp:	20861
Ion Ratio	Lower	Upper	
75	100		
155	98.8	38.0	114.0
157	129.7	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





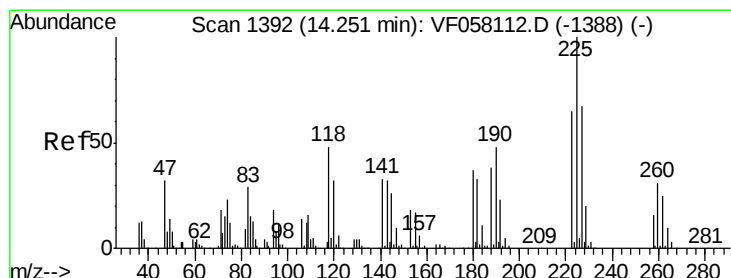
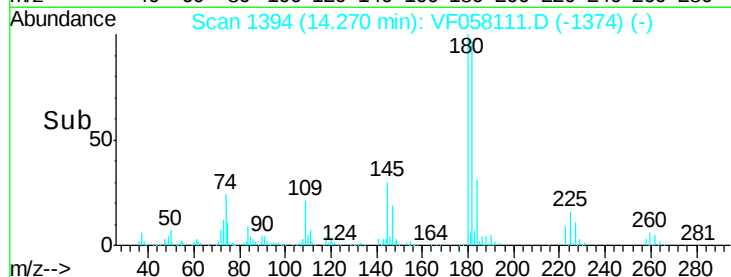
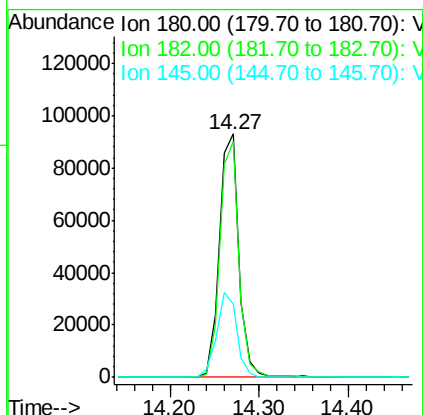
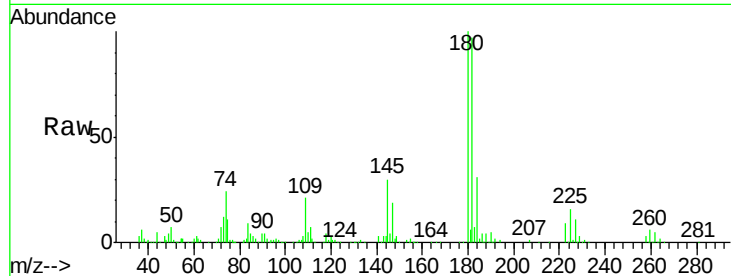
#93
 1,2,4-Trichlorobenzene
 Concen: 20.460 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	144372		
182	96.7	49.3	147.9	
145	29.9	14.9	44.9	

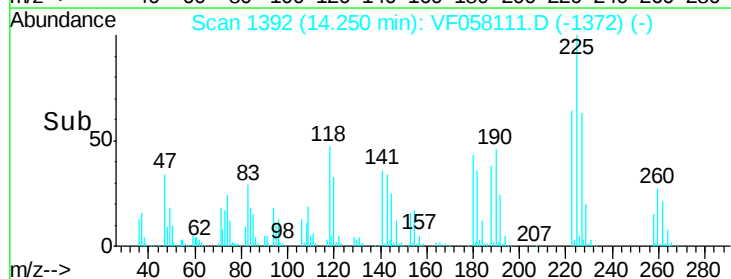
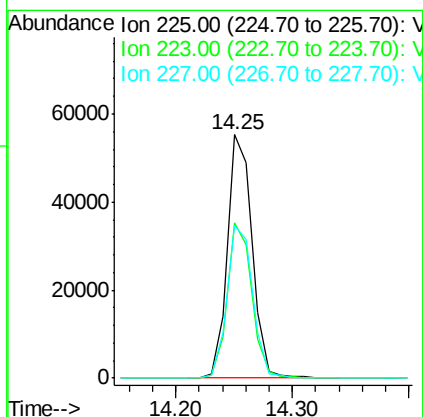
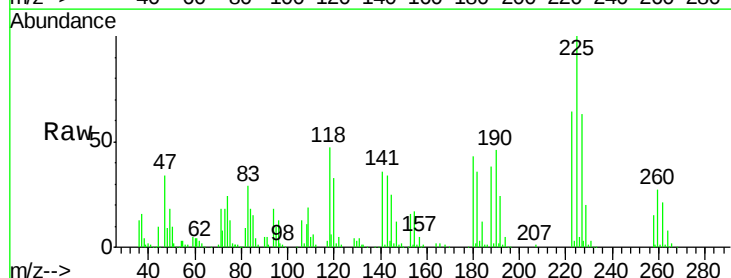
Manual Integrations
 APPROVED

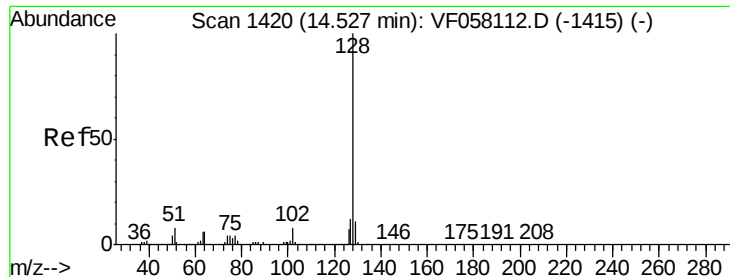
apatel
 6/7/2018 12:37:42 PM



#94
 Hexachlorobutadiene
 Concen: 19.961 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF058111.D
 Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81317		
223	63.6	32.8	98.3	
227	63.0	33.3	99.9	





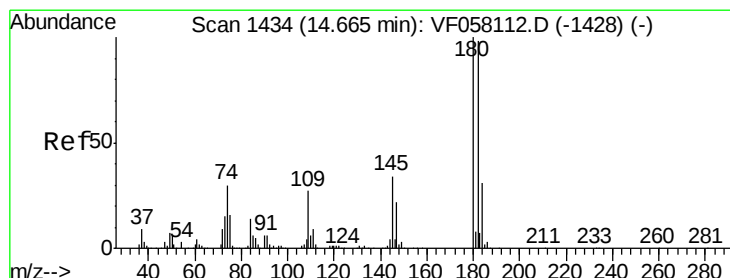
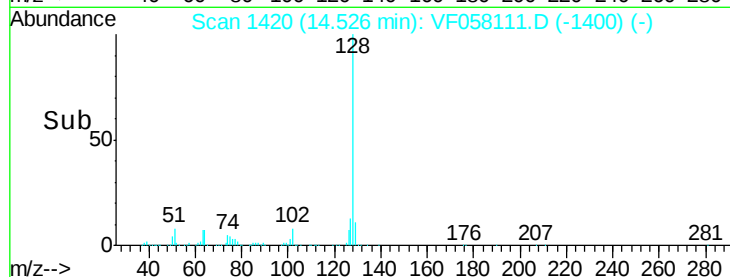
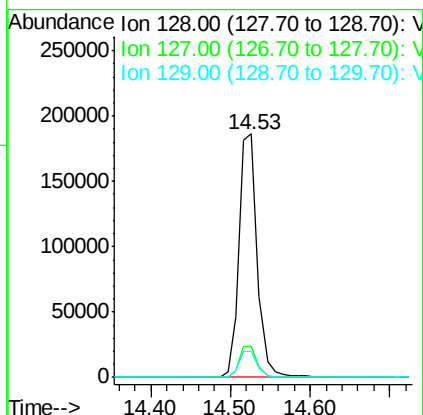
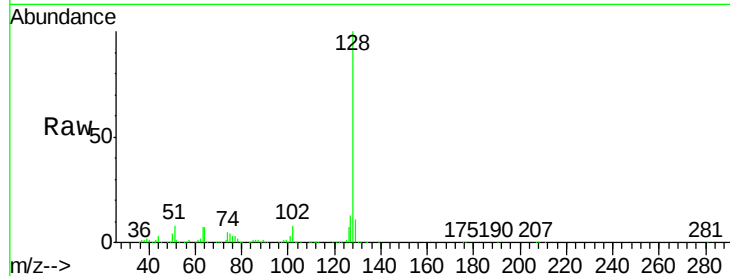
#95
Naphthalene
Concen: 19.863 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	299201		
127	12.6	9.9	14.9	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.204 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF058111.D
Acq: 6 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134317		
182	95.4	48.9	146.6	
145	34.7	17.3	51.7	

