

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060782.D
 Acq On : 19 Nov 2018 17:37
 Operator : VA/AP
 Sample : VF1119SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Manual Integrations
 APPROVED

apatel
 11/20/2018 12:02:22 PM

Quant Time: Nov 20 02:46:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	149057	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	253750	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	236558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	138541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	94024	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	4.12	113	104865	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
50) Toluene-d8	7.56	98	274301	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
62) 4-Bromofluorobenzene	11.41	95	138129	62.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	65406	24.519	ug/l	96
3) Chloromethane	1.10	50	37668	22.769	ug/l	95
4) Vinyl Chloride	1.14	62	34627	23.398	ug/l	96
5) Bromomethane	1.31	94	24884	26.470	ug/l	99
6) Chloroethane	1.37	64	14495	25.033	ug/l	94
7) Trichlorofluoromethane	1.48	101	81680	24.958	ug/l	97
8) Diethyl Ether	1.64	74	8941	21.323	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.81	101	39153	25.387	ug/l	96
10) Methyl Iodide	1.89	142	57330m	23.169	ug/l	
11) Tert butyl alcohol	2.57	59	9952	128.618	ug/l	99
12) 1,1-Dichloroethene	1.78	96	28952	23.808	ug/l	99
13) Acrolein	2.00	56	6555	92.652	ug/l	98
14) Allyl chloride	2.10	41	49147	23.069	ug/l	97
15) Acrylonitrile	2.95	53	20881	126.645	ug/l	93
16) Acetone	2.24	43	48158	132.521	ug/l	94
17) Carbon Disulfide	1.81	76	85117m	23.159	ug/l	
18) Methyl Acetate	2.35	43	16597	27.814	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	65829	22.565	ug/l	100
20) Methylene Chloride	2.18	84	29205m	22.614	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	29152	22.945	ug/l	91
22) Diisopropyl ether	2.80	45	95690	23.265	ug/l	99
23) Vinyl Acetate	3.19	43	228026	117.733	ug/l	99
24) 1,1-Dichloroethane	2.87	63	61341	24.634	ug/l	100
25) 2-Butanone	4.34	43	69690	116.591	ug/l	94
26) 2,2-Dichloropropane	3.60	77	47464	24.222	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	49839	23.059	ug/l	97
28) Bromochloromethane	3.72	49	27702	21.406	ug/l	89
29) Tetrahydrofuran	4.07	42	26552	107.692	ug/l	97
30) Chloroform	3.87	83	96440	24.139	ug/l	91
31) Cyclohexane	3.70	56	62381	20.641	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	75181	23.896	ug/l	98
36) 1,1-Dichloropropene	4.29	75	67531	22.947	ug/l	99
37) Ethyl Acetate	4.11	43	25127	22.966	ug/l	94
38) Carbon Tetrachloride	3.99	117	71555	25.058	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	78790	23.077	ug/l	97
40) Benzene	4.64	78	139641	21.286	ug/l	98
41) Methacrylonitrile	4.75	41	13419	20.445	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	54553	24.064	ug/l	98
43) Isopropyl Acetate	6.96	43	29012	19.999	ug/l #	100
44) Trichloroethene	5.51	130	47342	22.873	ug/l	96
45) 1,2-Dichloropropane	6.24	63	36615	21.449	ug/l	95
46) Dibromomethane	6.09	93	25858	22.947	ug/l	91
47) Bromodichloromethane	6.39	83	65191	22.655	ug/l	94
48) Methyl methacrylate	6.72	41	20645	21.504	ug/l	94
49) 1,4-Dioxane	6.72	88	4003	445.824	ug/l	92
51) 4-Methyl-2-Pentanone	8.27	43	120002	114.377	ug/l	97
52) Toluene	7.62	92	95558	21.737	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	54302	23.561	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	64785	21.640	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	27767	22.107	ug/l	93
56) Ethyl methacrylate	8.62	69	26866	18.834	ug/l	96
57) 1,3-Dichloropropane	8.86	76	48735	22.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	15049	115.487	ug/l	100
59) 2-Hexanone	9.50	43	79669	108.051	ug/l	99
60) Dibromochloromethane	8.72	129	41201	23.016	ug/l	92
61) 1,2-Dibromoethane	9.00	107	30214	22.872	ug/l	99
64) Tetrachloroethene	8.16	164	42033	22.438	ug/l	96
65) Chlorobenzene	9.80	112	103468	21.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	48354	23.224	ug/l	95
67) Ethyl Benzene	9.91	91	194475	21.613	ug/l	98
68) m/p-Xylenes	10.14	106	153913	47.865	ug/l	89
69) o-Xylene	10.72	106	81693	22.597	ug/l	97
70) Styrene	10.79	104	114059	23.247	ug/l	94
71) Bromoform	10.78	173	21960	23.455	ug/l	96
73) Isopropylbenzene	11.13	105	256256	22.979	ug/l	96
74) N-amyl acetate	11.37	43	54964	21.651	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	42183	22.880	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	29334	21.423	ug/l	92
77) Bromobenzene	11.50	156	51861	22.342	ug/l	96
78) n-propylbenzene	11.60	91	300439	23.100	ug/l	96
79) 2-Chlorotoluene	11.73	91	167900	22.212	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	212524	24.005	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	14141m	21.021	ug/l	
82) 4-Chlorotoluene	11.91	91	167208	21.592	ug/l	100
83) tert-Butylbenzene	12.13	119	215383	22.912	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	206857	22.592	ug/l	95
85) sec-Butylbenzene	12.31	105	292806	22.962	ug/l	95
86) p-Isopropyltoluene	12.47	119	244239	22.933	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	105186	22.770	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	103004	23.201	ug/l	95
89) n-Butylbenzene	12.85	91	255325	23.492	ug/l	92
90) Hexachloroethane	12.92	117	58947	22.629	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	99477	22.871	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7643	22.056	ug/l	90

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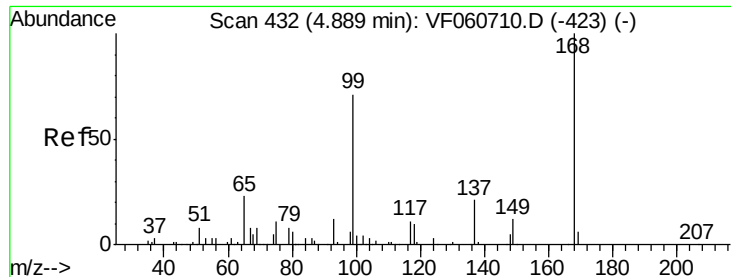
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72487	23.187	ug/l	92
94) Hexachlorobutadiene	14.19	225	46526	22.775	ug/l	99
95) Naphthalene	14.46	128	122915	21.548	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	64427	22.303	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:168 Resp: 149057

Ion Ratio Lower Upper

168 100

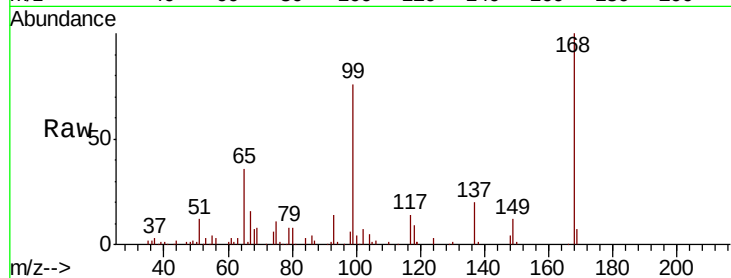
99 75.6 57.2 85.8

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

4.87

50000

40000

30000

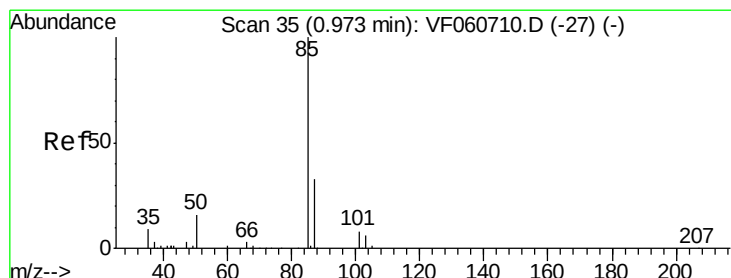
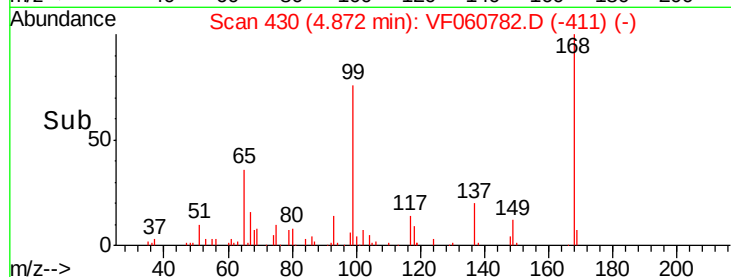
20000

10000

0

4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 24.519 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060782.D

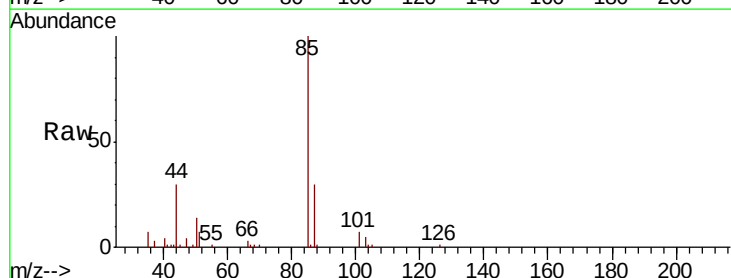
Acq: 19 Nov 2018 17:37

Tgt Ion: 85 Resp: 65406

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

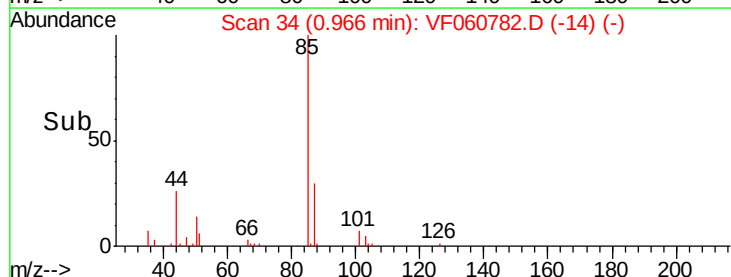
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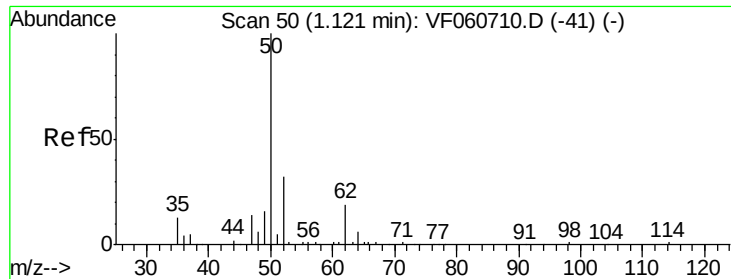
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 22.769 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 50 Resp: 37668

Ion Ratio Lower Upper

50 100

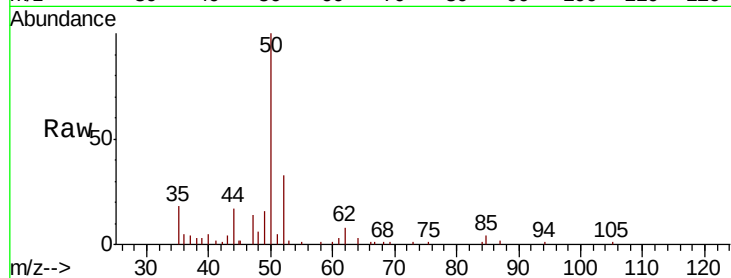
52 33.1 24.2 36.2

Manual Integrations

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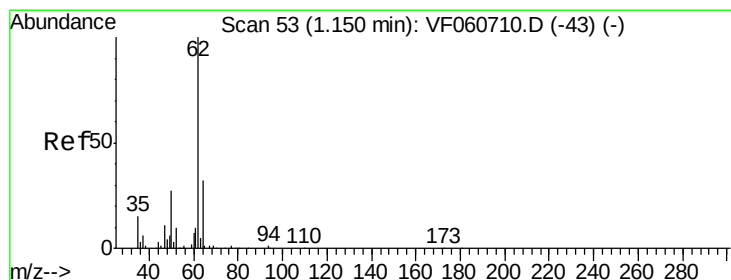
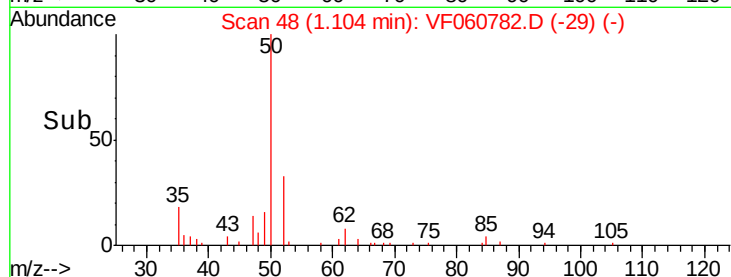
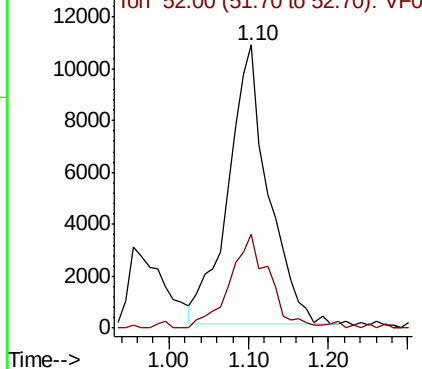
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.398 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060782.D

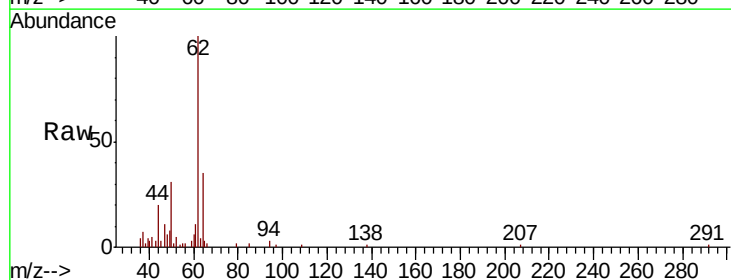
Acq: 19 Nov 2018 17:37

Tgt Ion: 62 Resp: 34627

Ion Ratio Lower Upper

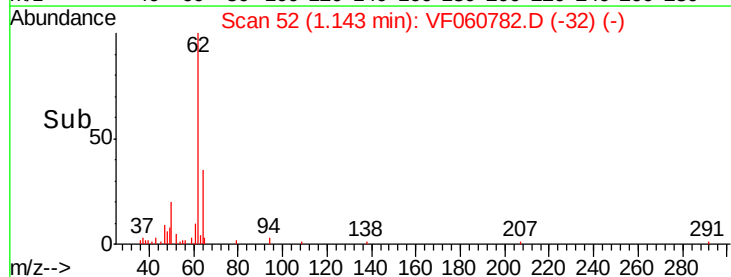
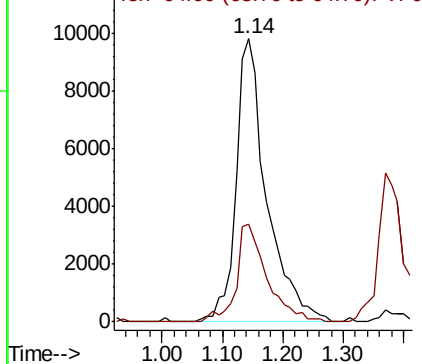
62 100

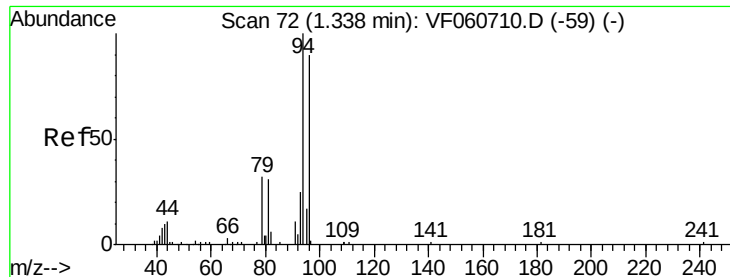
64 34.6 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 26.470 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

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ClientSampleId :

VF1119SBS01

Tot Ion: 94 Resp: 24884

Ion Ratio Lower Upper

94 100

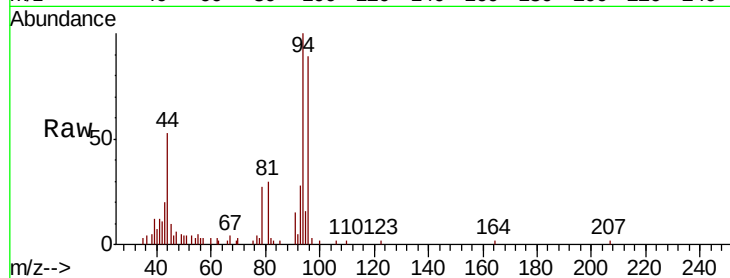
96 88.8 71.9 107.9

Manual Integrations

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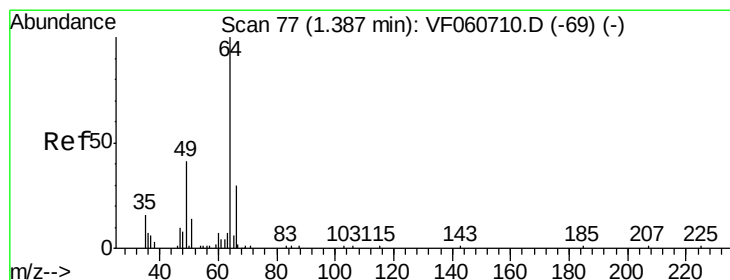
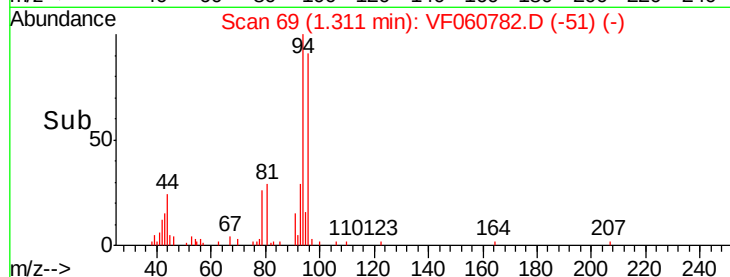
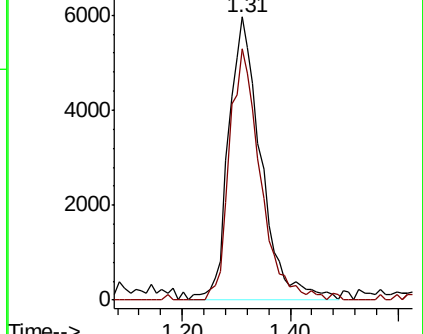
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 25.033 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060782.D

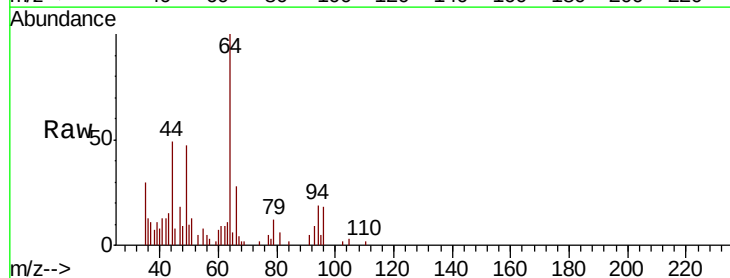
Acq: 19 Nov 2018 17:37

Tgt Ion: 64 Resp: 14495

Ion Ratio Lower Upper

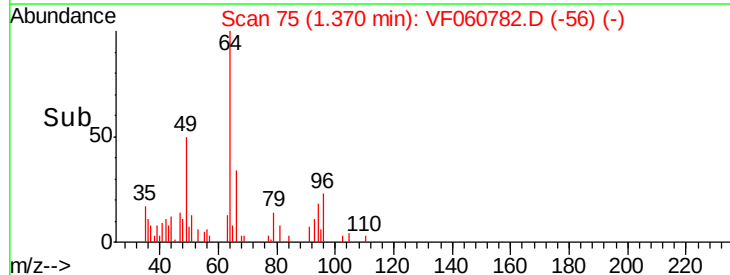
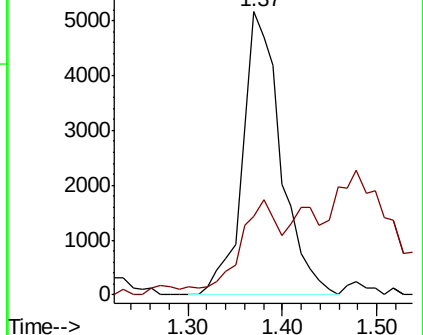
64 100

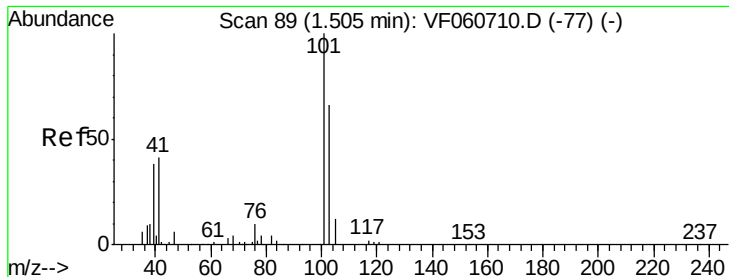
66 27.7 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 24.958 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.03 min

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Tot Ion:101 Resp: 81680

Ion Ratio Lower Upper

101 100

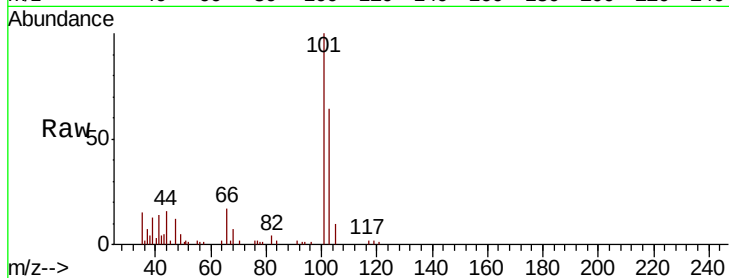
103 63.8 53.1 79.7

Manual Integrations

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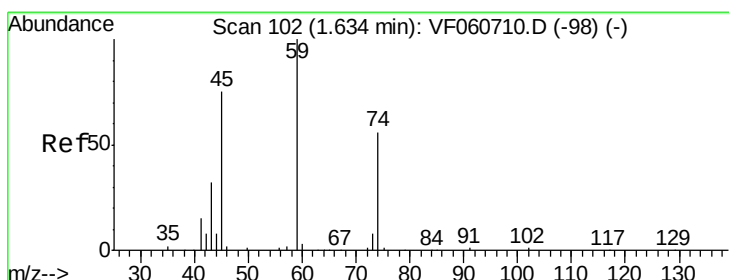
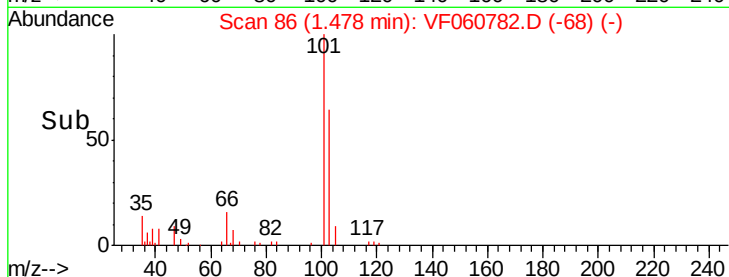
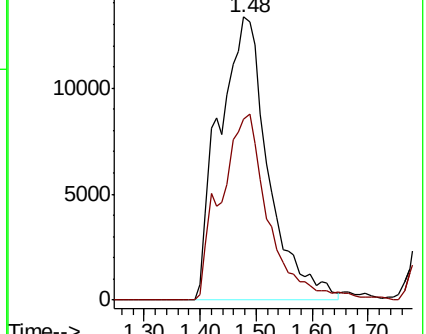
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.323 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060782.D

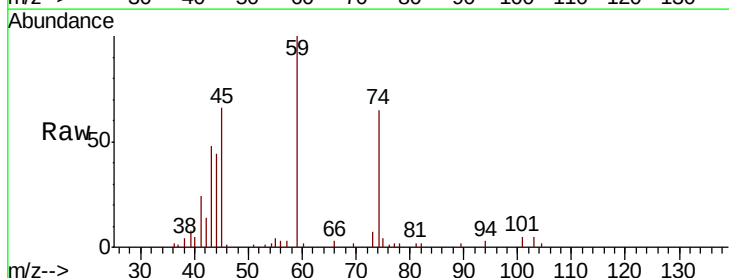
Acq: 19 Nov 2018 17:37

Tgt Ion: 74 Resp: 8941

Ion Ratio Lower Upper

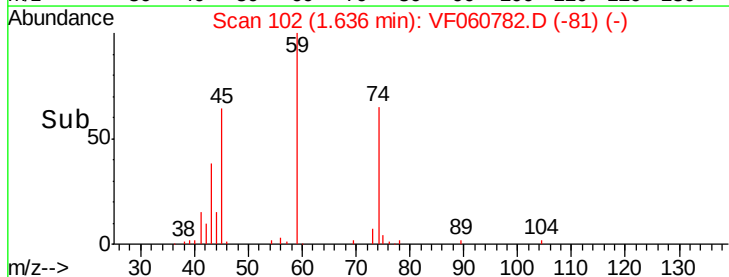
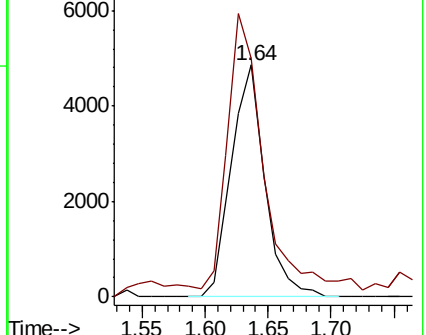
74 100

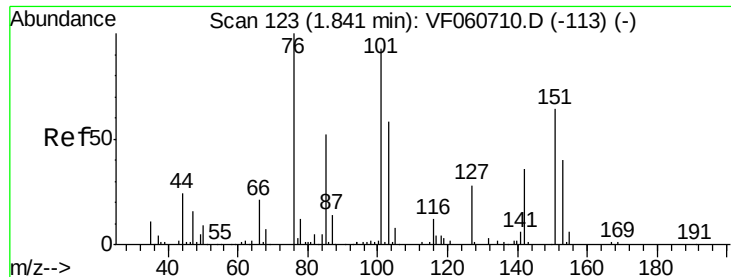
45 102.8 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.387 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

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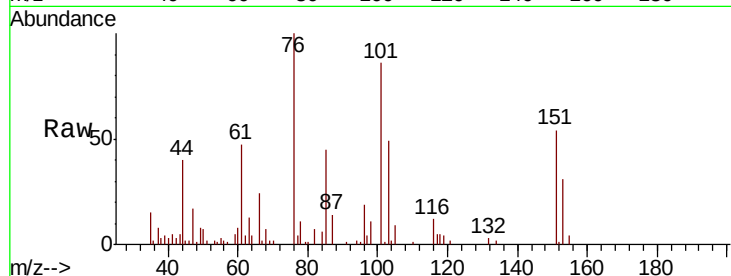
ClientSampleId :

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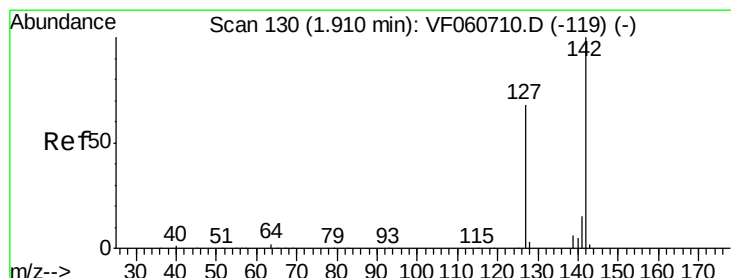
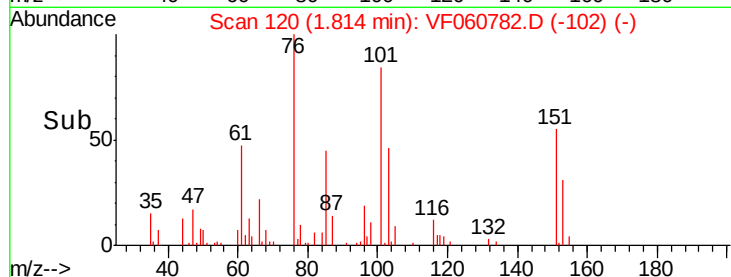
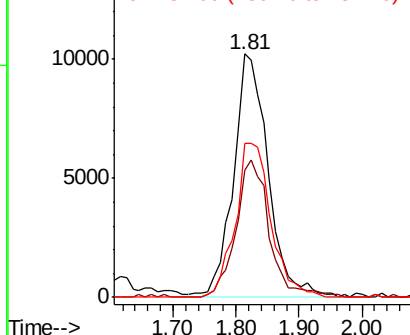
Tot Ion:	101	Resp:	39153
Ion Ratio	Lower	Upper	
101	100		
85	52.0	43.6	65.4
151	63.2	53.1	79.7

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.169 ug/l m

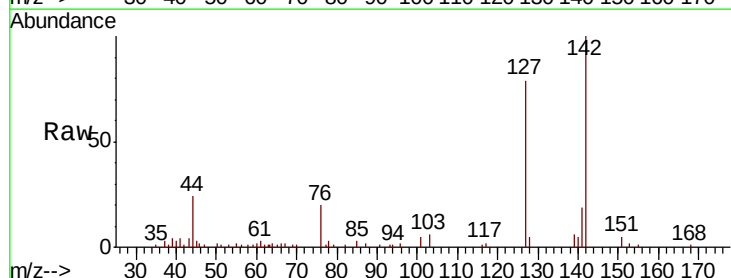
RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

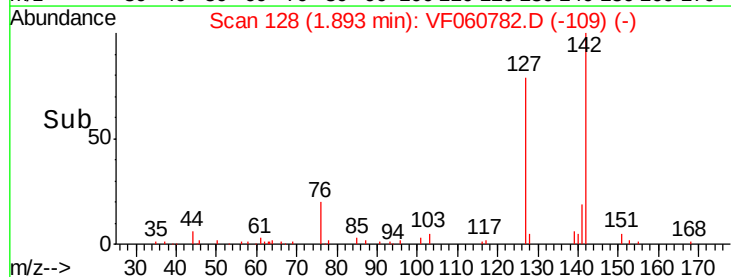
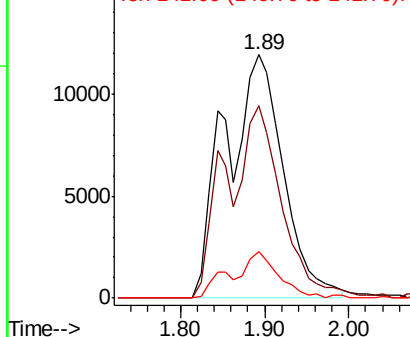
Lab File: VF060782.D

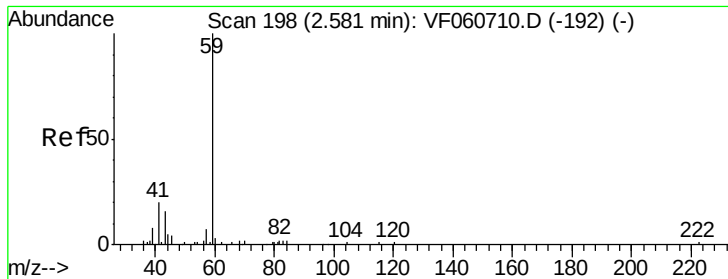
Acq: 19 Nov 2018 17:37

Tgt Ion:	142	Resp:	57330
Ion Ratio	Lower	Upper	
142	100		
127	79.2	54.0	81.0
141	19.0	12.3	18.5#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

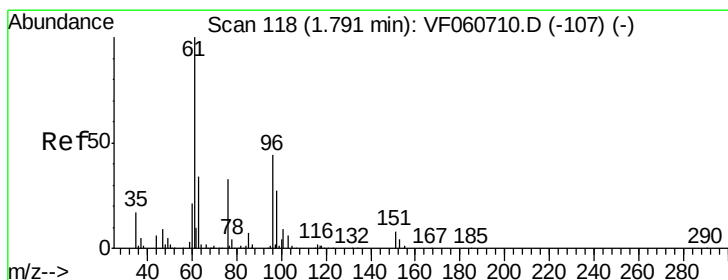
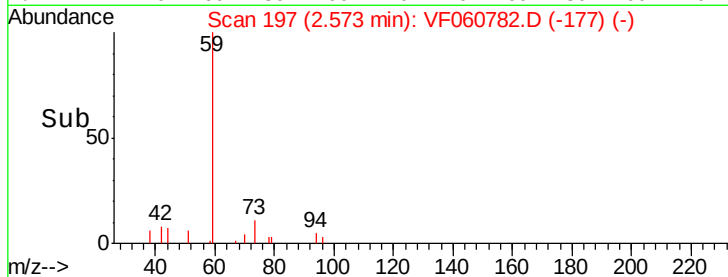
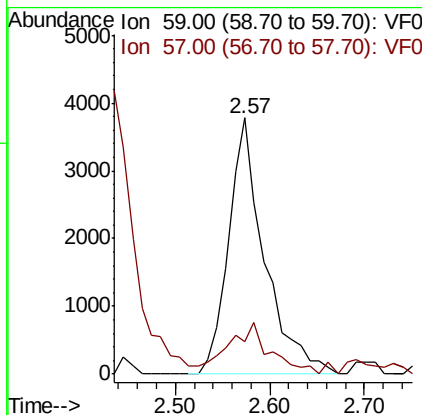
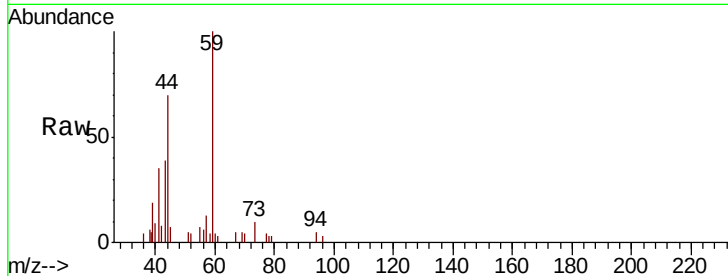
Tert butyl alcohol
Concen: 128.618 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	9952		
57	57	12.7		10.5	15.7

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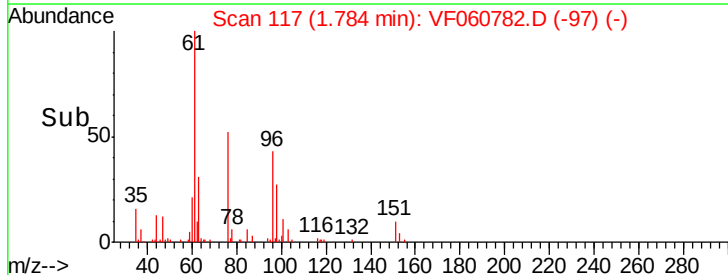
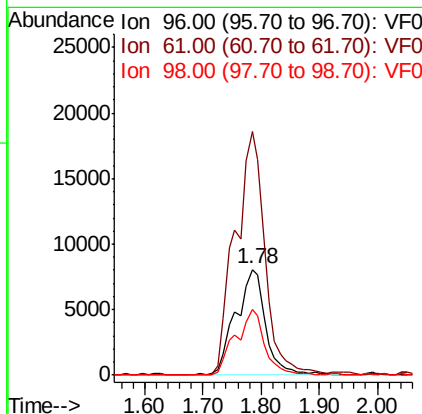
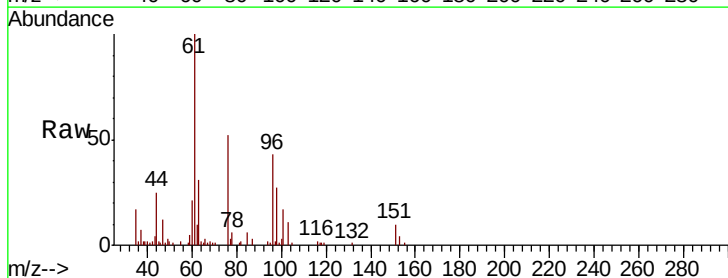
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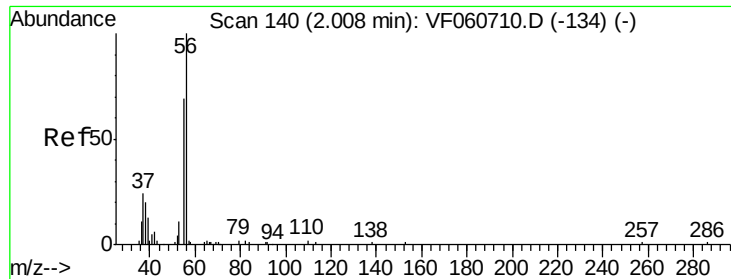


#12

1,1-Dichloroethene
Concen: 23.808 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	28952		
61	61	229.9		182.2	273.2
98	98	61.6		49.2	73.8





#13

Acrolein

Concen: 92.652 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 56 Resp: 6555

Ion Ratio Lower Upper

56 100

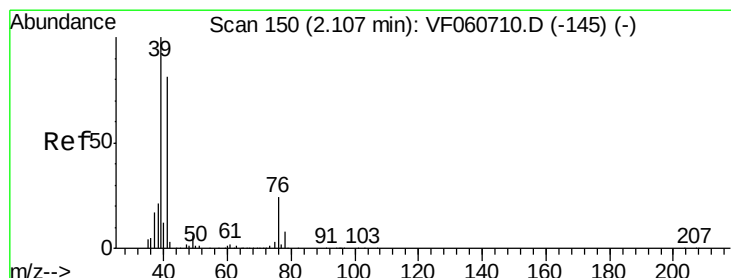
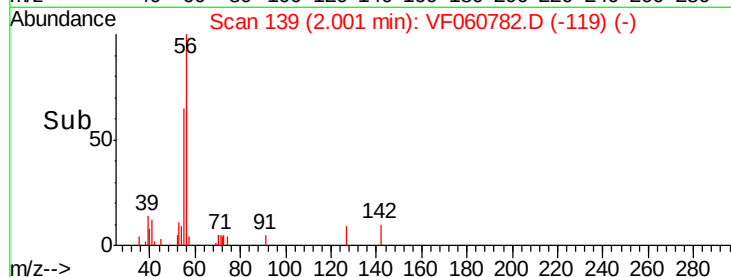
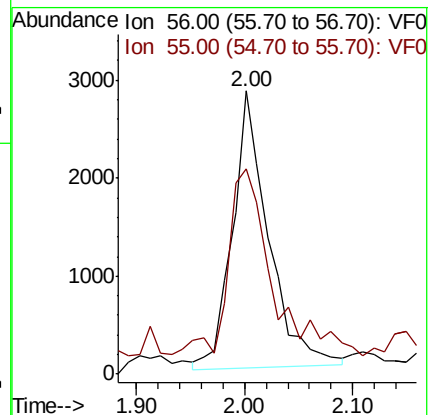
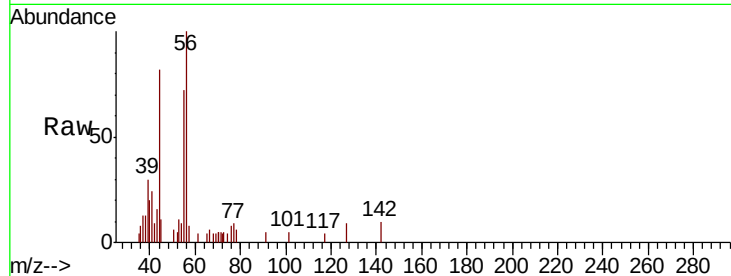
55 72.5 56.6 85.0

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#14

Allyl chloride

Concen: 23.069 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

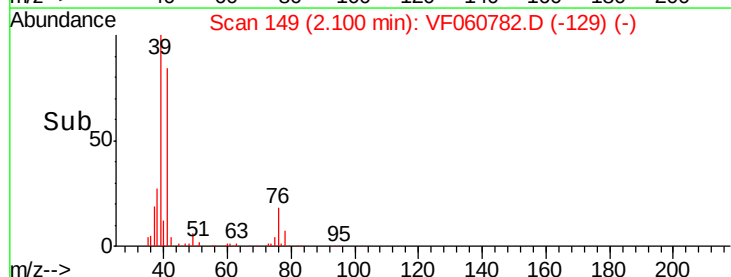
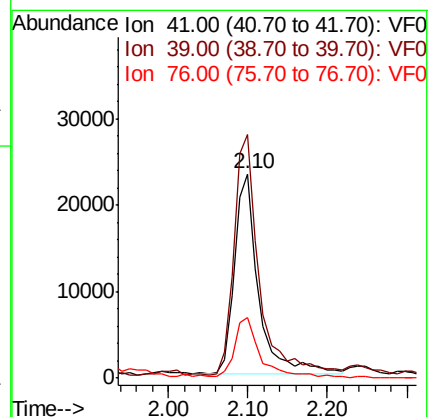
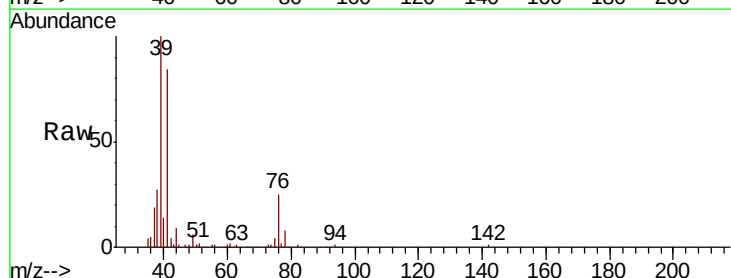
Tgt Ion: 41 Resp: 49147

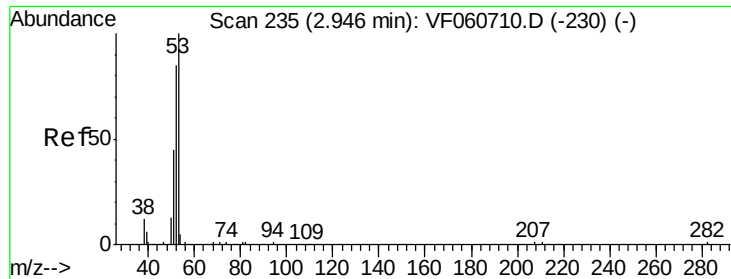
Ion Ratio Lower Upper

41 100

39 119.0 98.5 147.7

76 29.6 24.5 36.7





#15

Acrylonitrile

Concen: 126.645 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

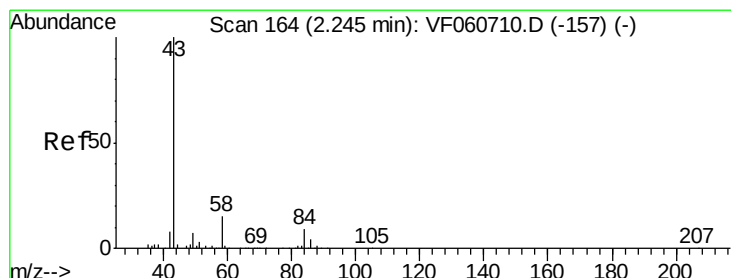
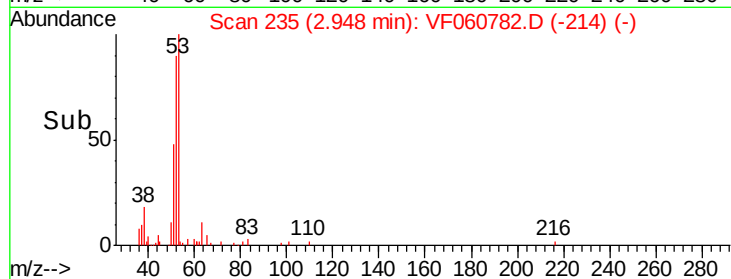
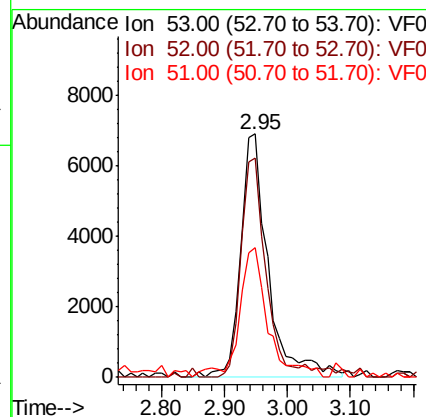
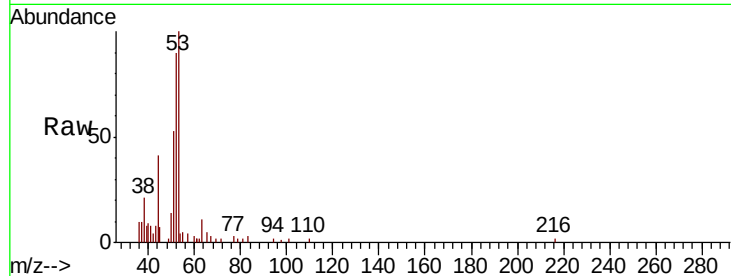
ClientSampleId :

VF1119SBS01

Tot Ion:	53	Resp:	20881
Ion	Ratio	Lower	Upper
53	100		
52	90.2	68.8	103.2
51	53.2	36.7	55.1

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#16

Acetone

Concen: 132.521 ug/l

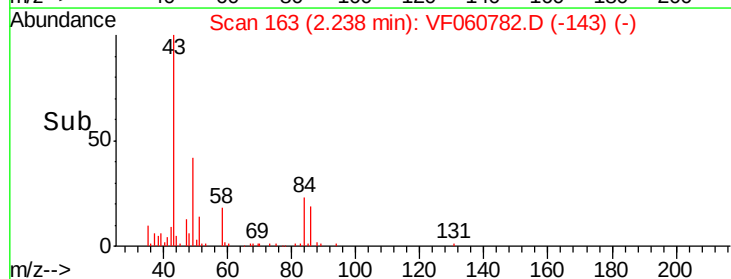
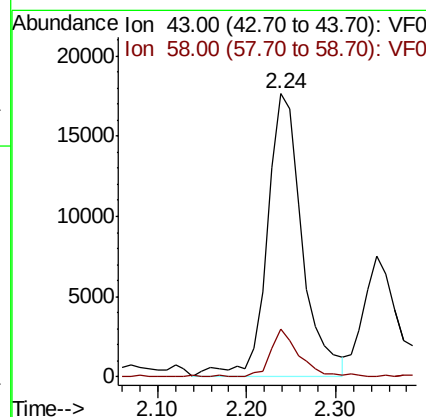
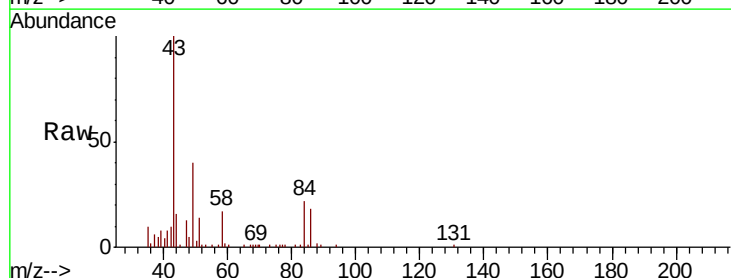
RT: 2.24 min Scan# 163

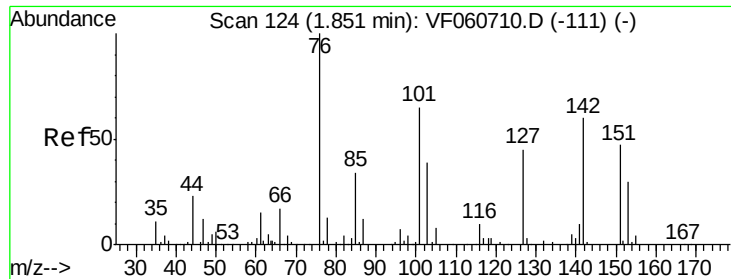
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	43	Resp:	48158
Ion	Ratio	Lower	Upper
43	100		
58	16.8	11.6	17.4





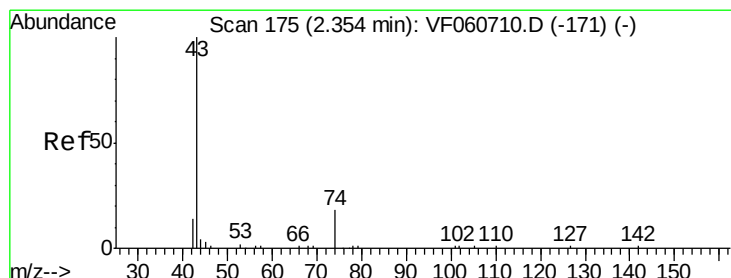
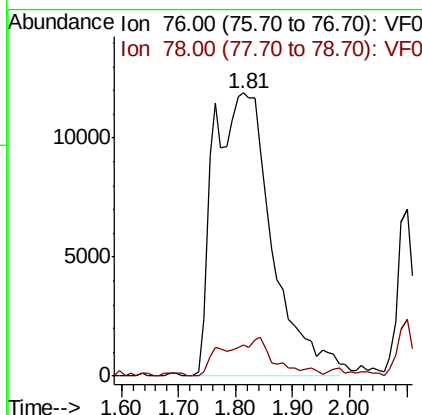
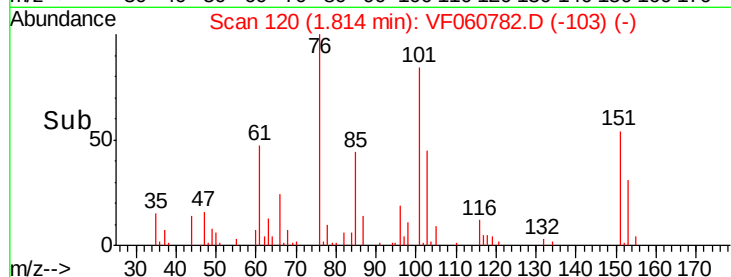
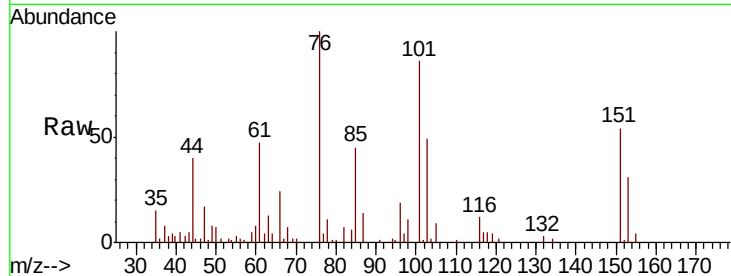
#17
Carbon Disulfide
Concen: 23.159 ug/l m
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion: 76 Resp: 85117
Ion Ratio Lower Upper
76 100
78 11.0 10.5 15.7

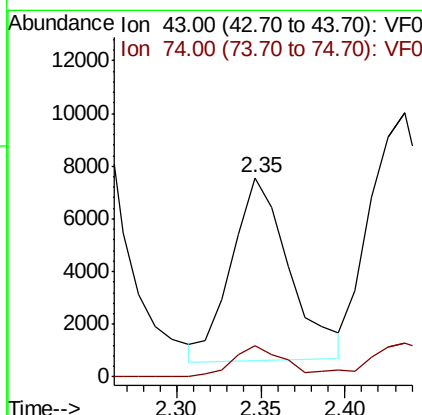
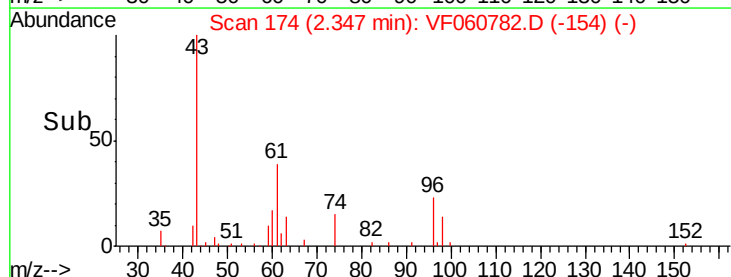
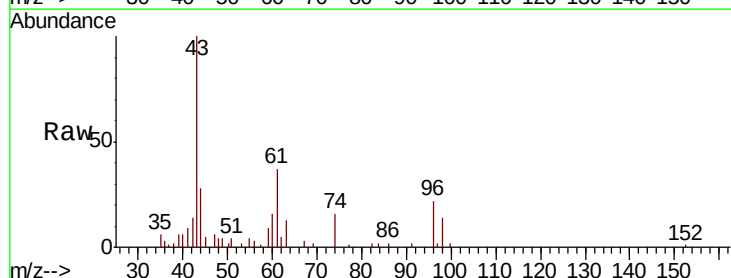
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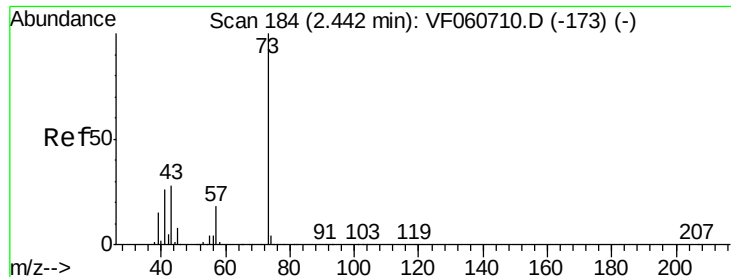
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#18
Methyl Acetate
Concen: 27.814 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 43 Resp: 16597
Ion Ratio Lower Upper
43 100
74 15.8 11.8 17.8





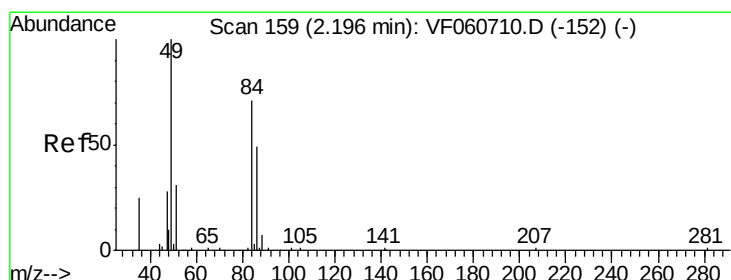
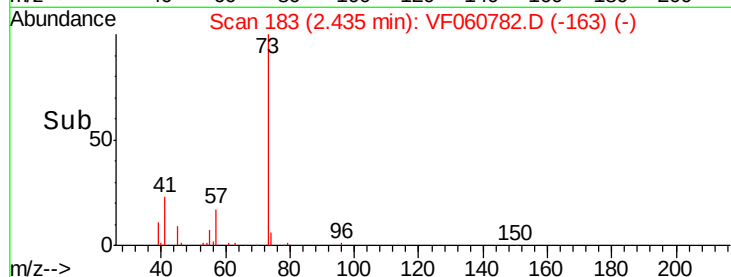
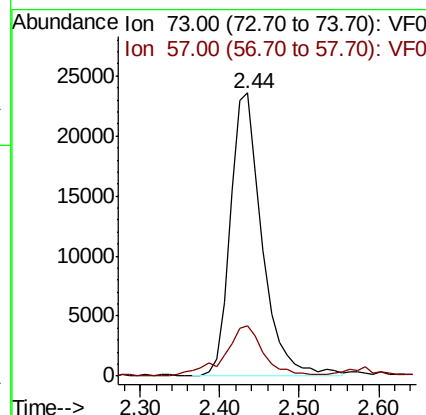
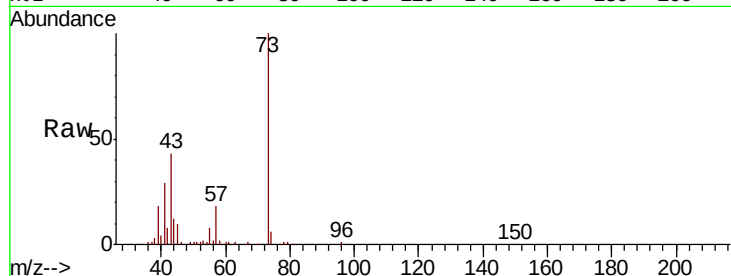
#19
Methyl tert-butyl Ether
Concen: 22.565 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	17.7	14.3	21.5

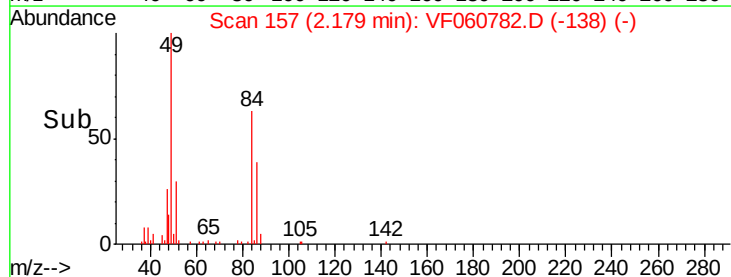
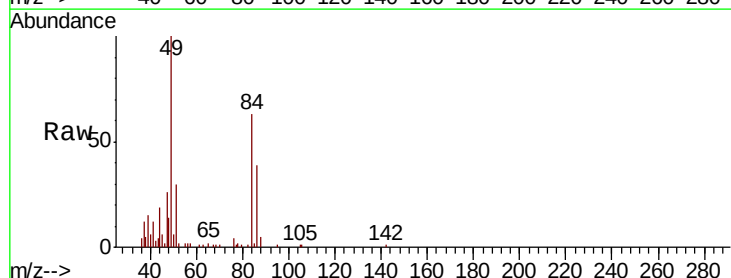
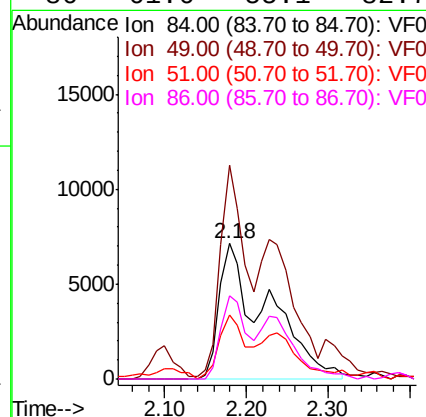
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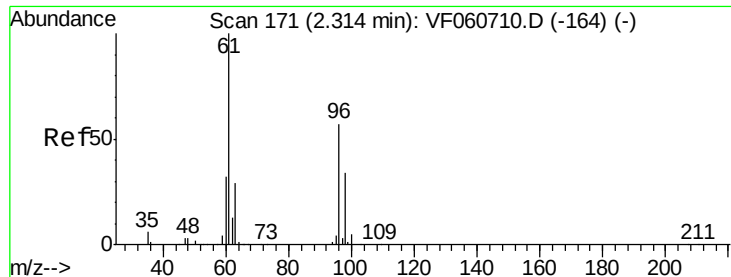
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#20
Methylene Chloride
Concen: 22.614 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	158.1	120.2	180.4
51	51	46.9	37.2	55.8
86	86	61.6	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 22.945 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

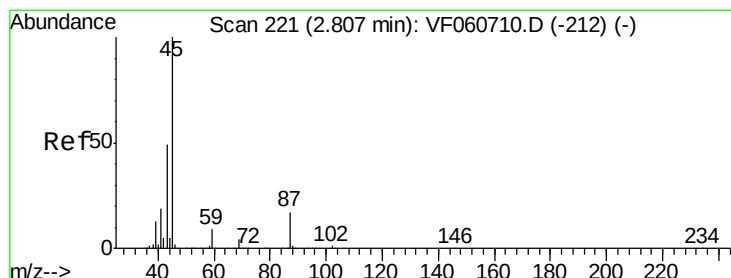
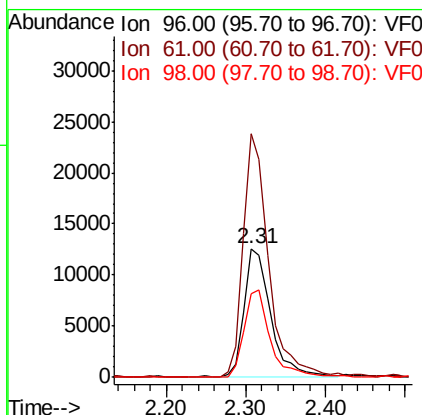
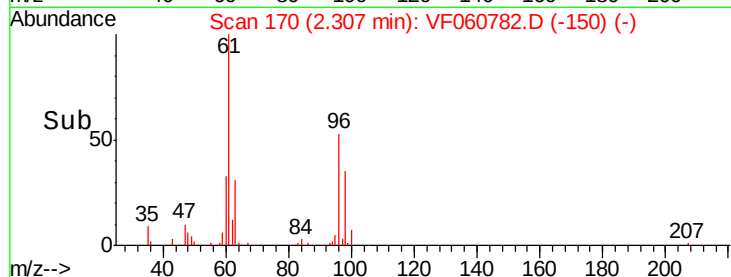
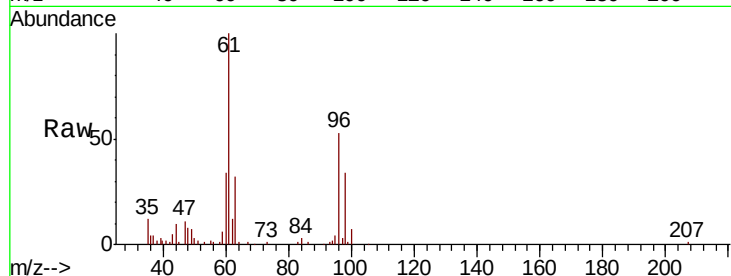
ClientSampleId :

VF1119SBS01

Tot Ion:	96	Resp:	29152
Ion	Ratio	Lower	Upper
96	100		
61	189.3	141.6	212.4
98	67.3	47.4	71.0

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#22

Diisopropyl ether

Concen: 23.265 ug/l

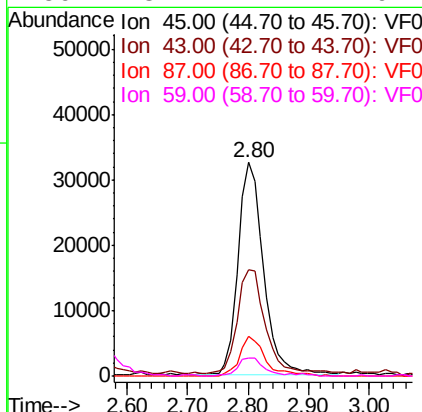
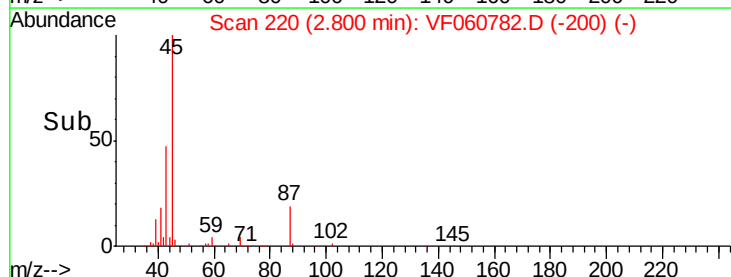
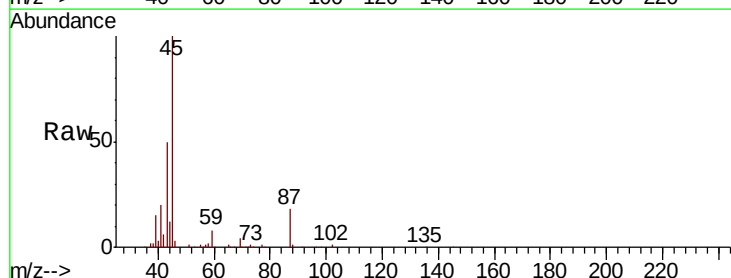
RT: 2.80 min Scan# 220

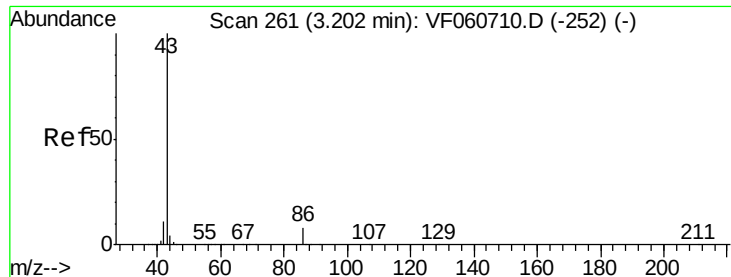
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	45	Resp:	95690
Ion	Ratio	Lower	Upper
45	100		
43	49.6	39.9	59.9
87	18.4	13.9	20.9
59	8.4	7.1	10.7





#23

Vinyl Acetate

Concen: 117.733 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 43 Resp: 228026

Ion Ratio Lower Upper

43 100

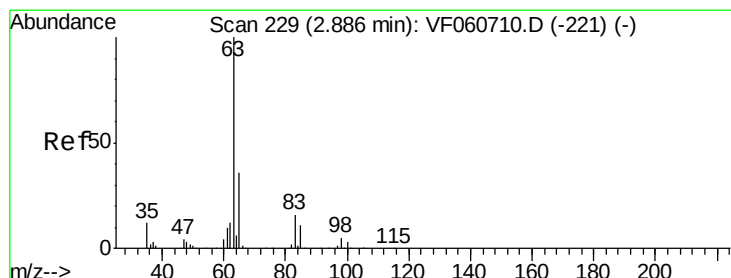
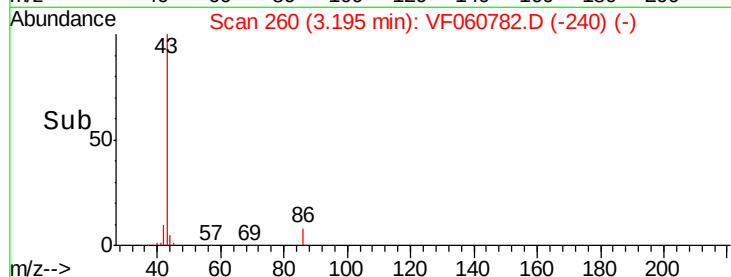
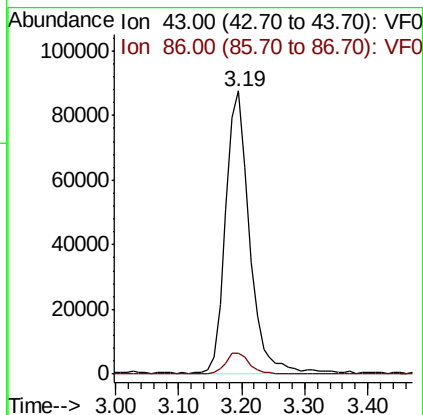
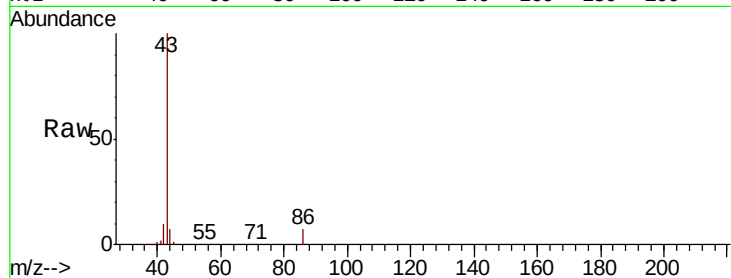
86 7.5 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 24.634 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

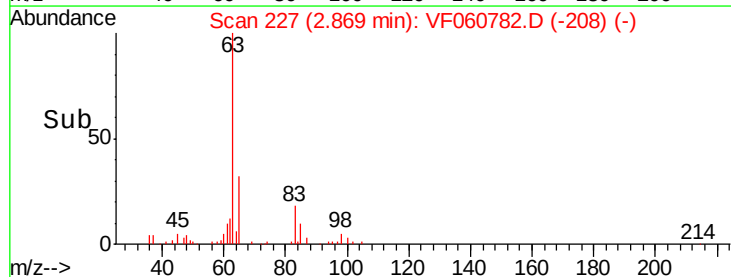
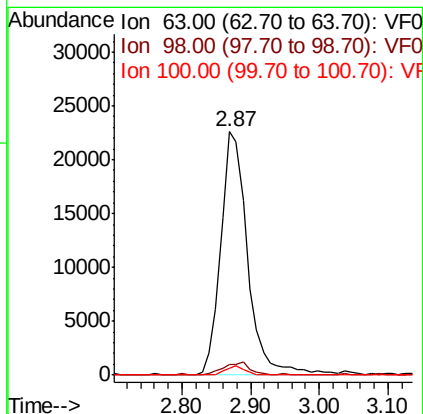
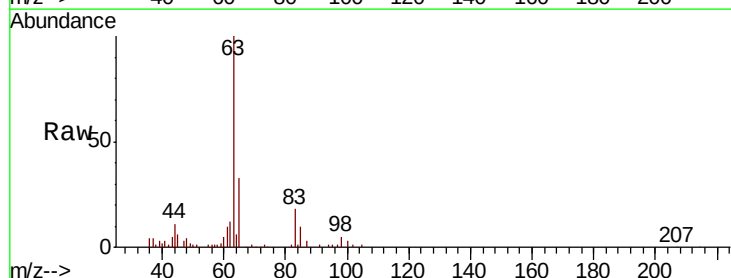
Tgt Ion: 63 Resp: 61341

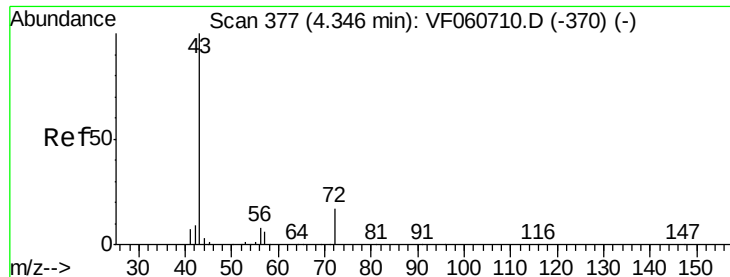
Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

100 2.9 1.4 4.2





#25

2-Butanone

Concen: 116.591 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 43 Resp: 69690

Ion Ratio Lower Upper

43 100

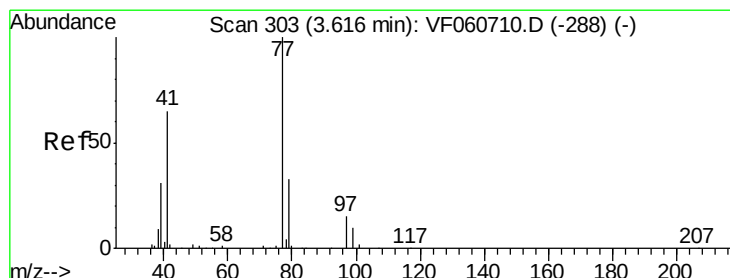
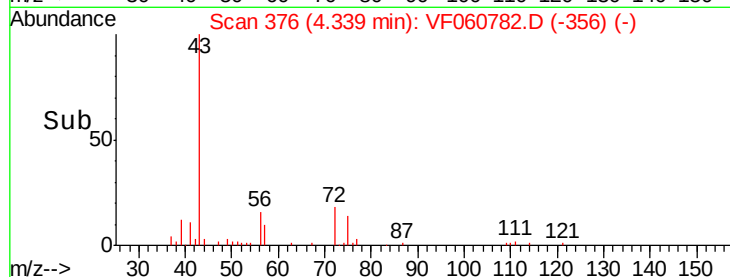
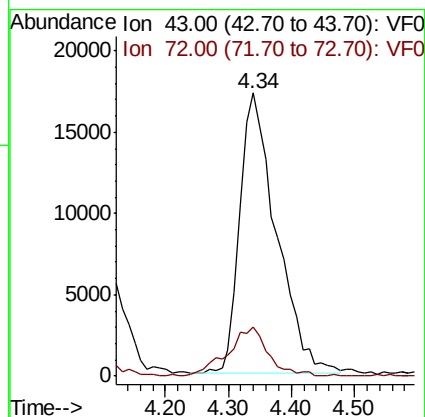
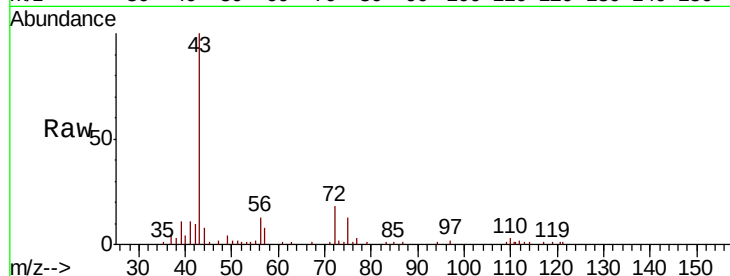
72 17.6 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 24.222 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060782.D

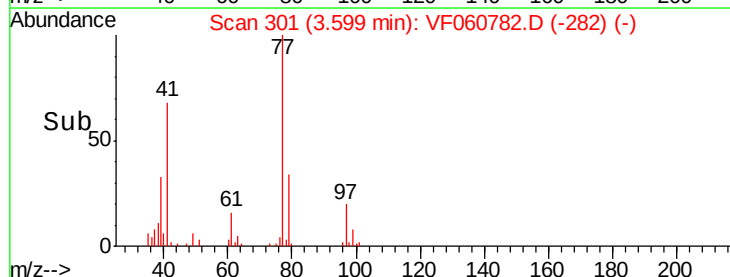
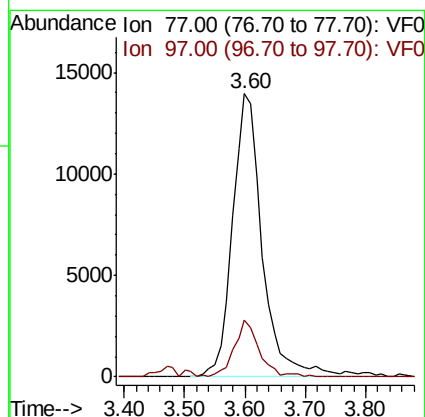
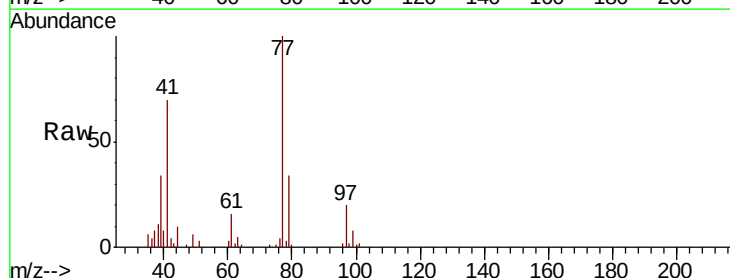
Acq: 19 Nov 2018 17:37

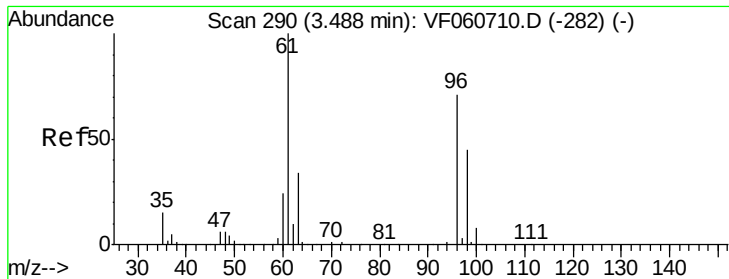
Tgt Ion: 77 Resp: 47464

Ion Ratio Lower Upper

77 100

97 20.1 8.8 26.5





#27

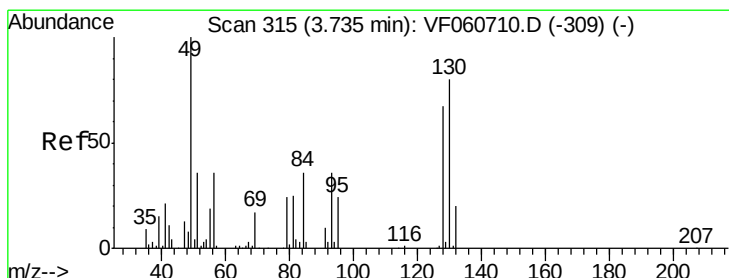
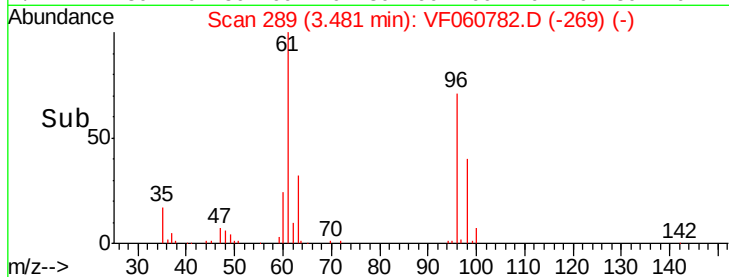
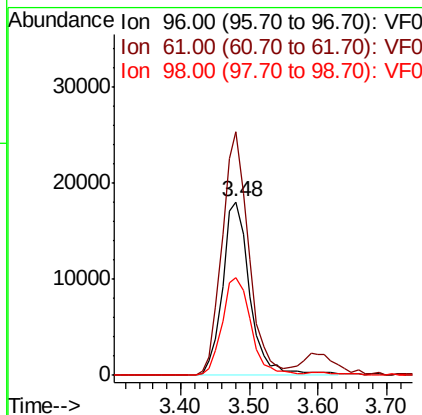
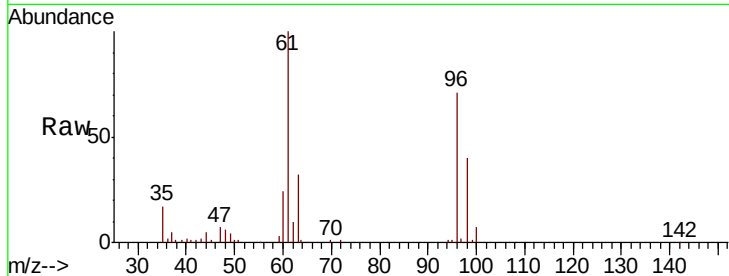
cis-1,2-Dichloroethene
 Concen: 23.059 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	49839		
61	140.4		0.0	280.6
98	56.3		0.0	127.6

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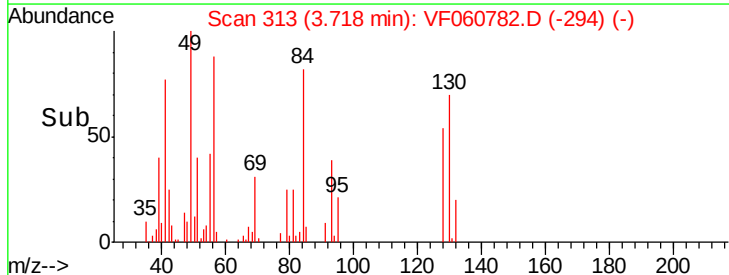
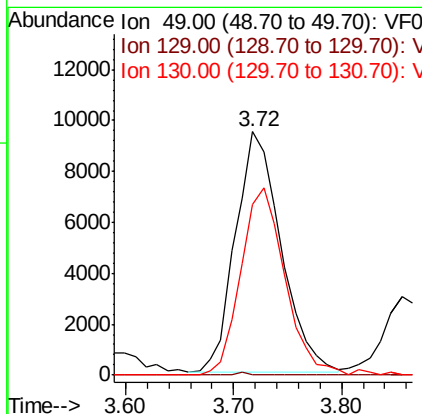
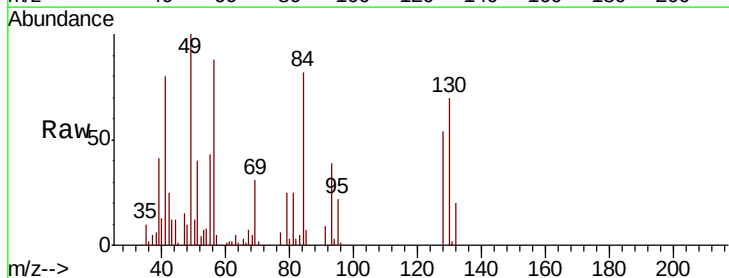
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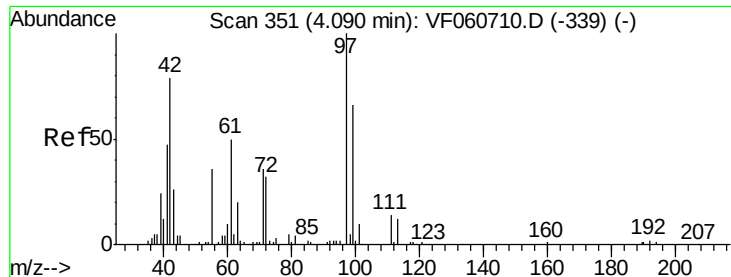


#28

Bromochloromethane
 Concen: 21.406 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27702		
129	0.0		0.0	5.2
130	70.3		63.9	95.9





#29

Tetrahydrofuran

Concen: 107.692 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

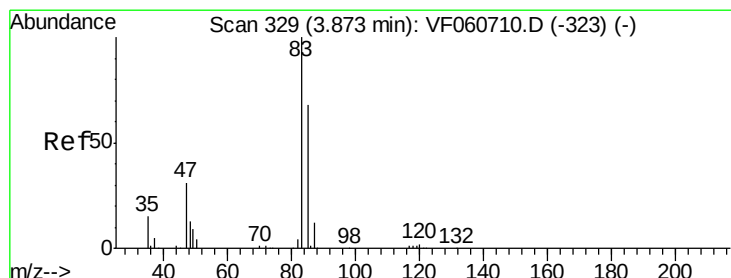
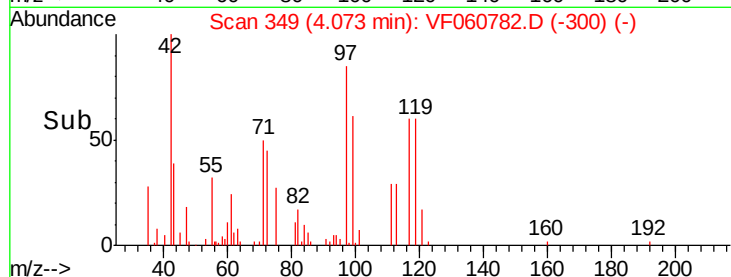
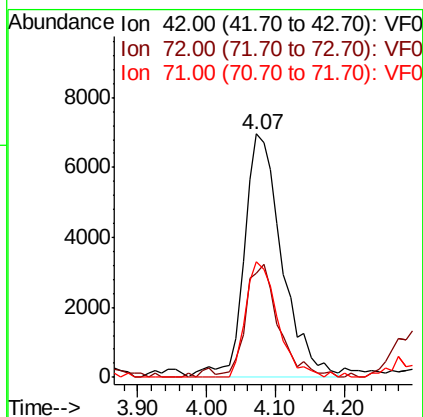
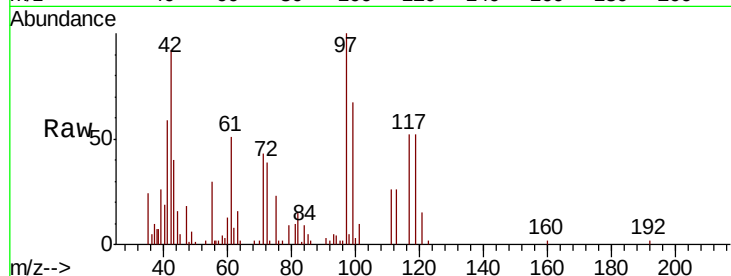
ClientSampleId :

VF1119SBS01

Tot Ion:	42	Resp:	26552
Ion Ratio		Lower	Upper
42	100		
72	41.0	30.3	45.5
71	40.1	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 24.139 ug/l

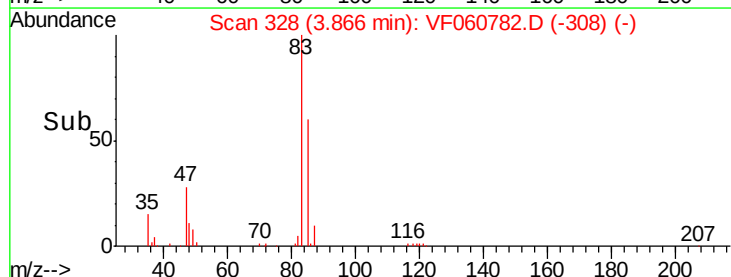
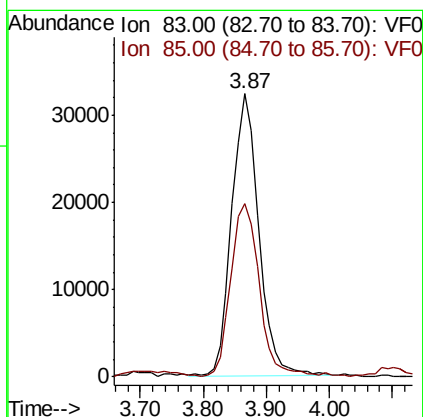
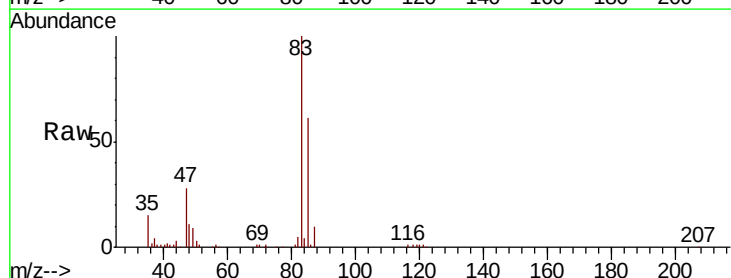
RT: 3.87 min Scan# 328

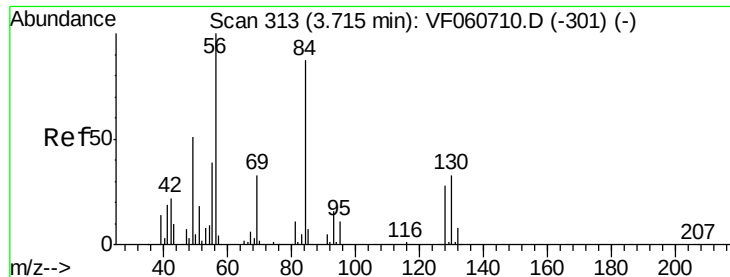
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	83	Resp:	96440
Ion Ratio		Lower	Upper
83	100		
85	61.1	54.6	82.0





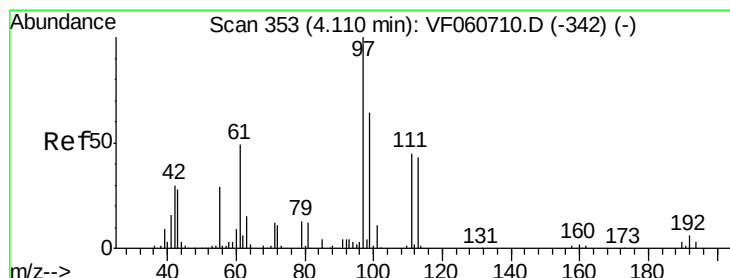
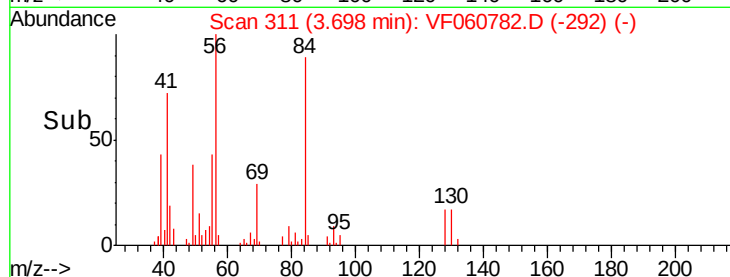
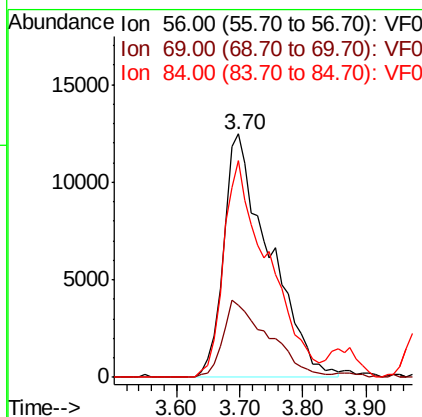
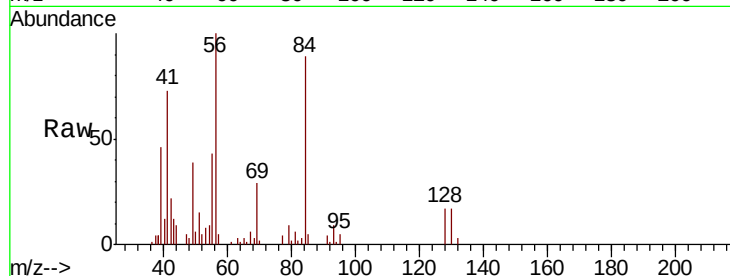
#31
Cyclohexane
Concen: 20.641 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	26.0	39.0
84	89.2	69.4	104.2

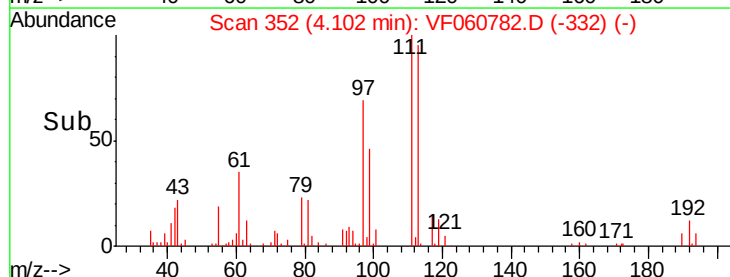
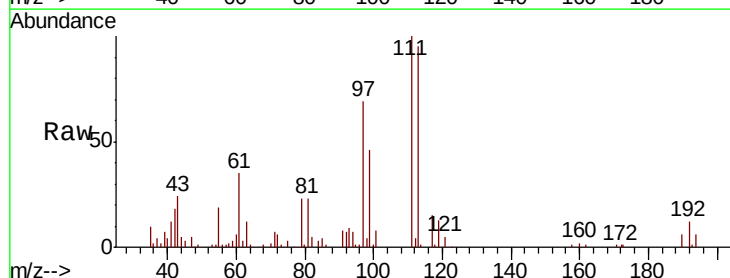
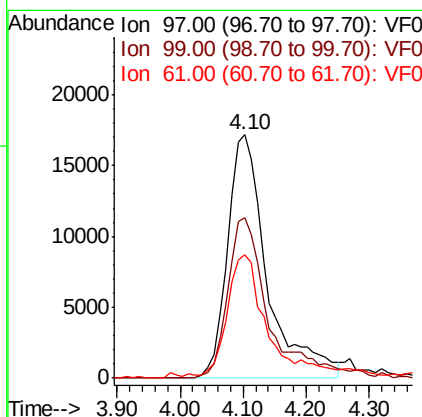
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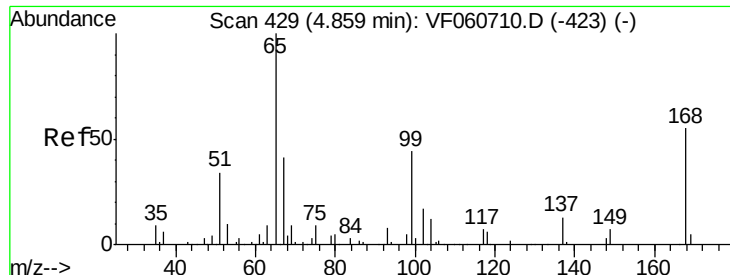
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#32
1,1,1-Trichloroethane
Concen: 23.896 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.1	76.7
61	50.7	40.1	60.1





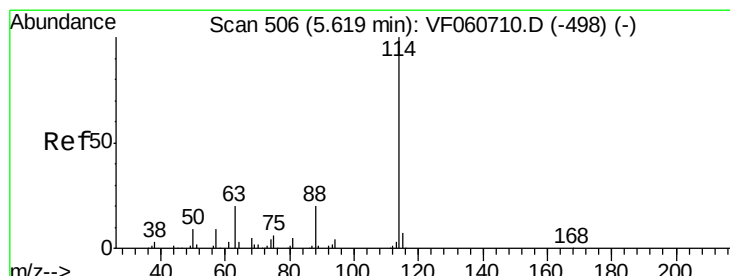
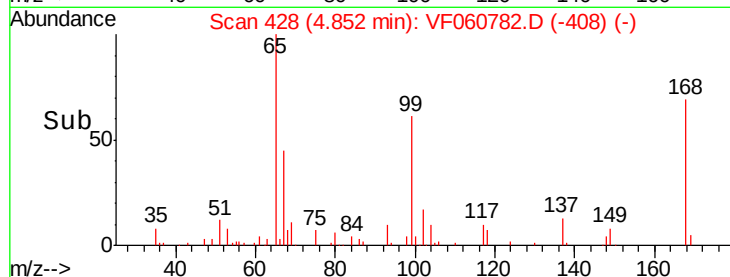
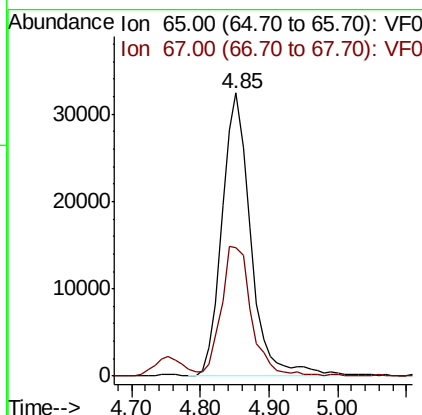
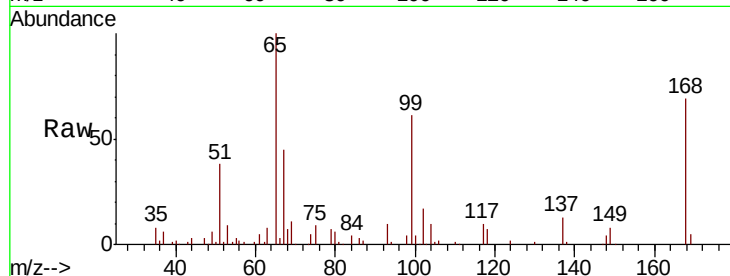
#33
 1,2-Dichloroethane-d4
 Concen: 55.303 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.2	0.0	90.2

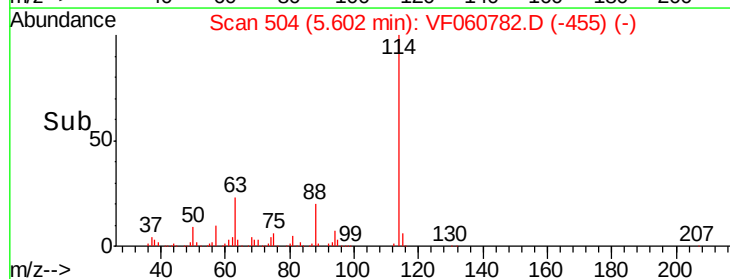
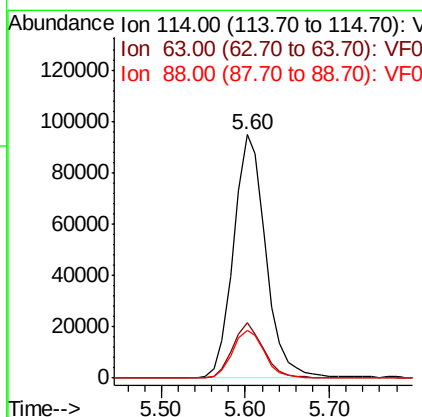
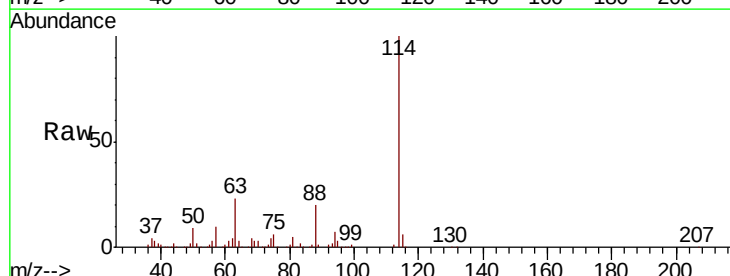
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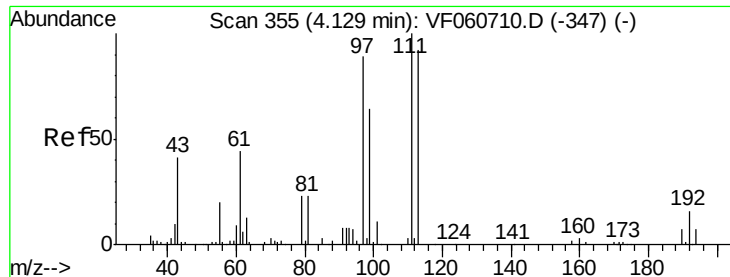
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.8
88	19.6	0.0	39.6





#35

Dibromofluoromethane

Concen: 54.977 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

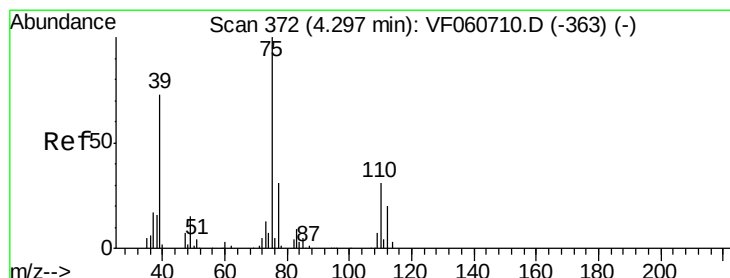
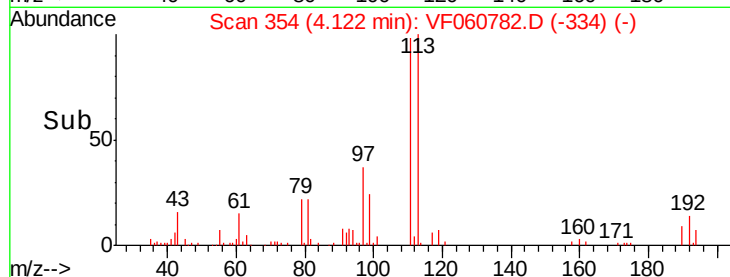
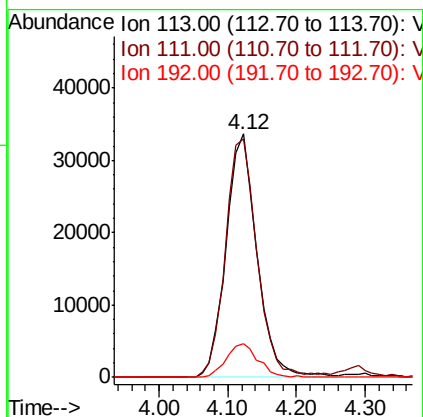
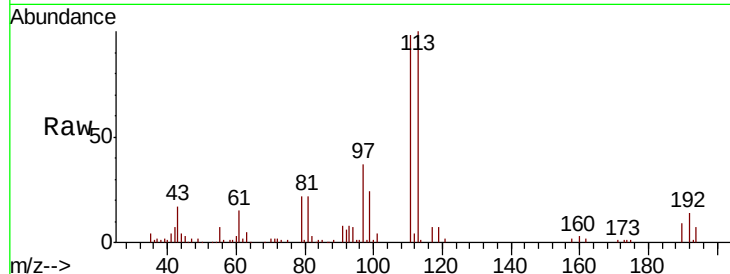
ClientSampleId :

VF1119SBS01

Tot Ion:	113	Resp:	104865
Ion Ratio	Lower	Upper	
113	100		
111	98.2	87.1	130.7
192	14.0	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.947 ug/l

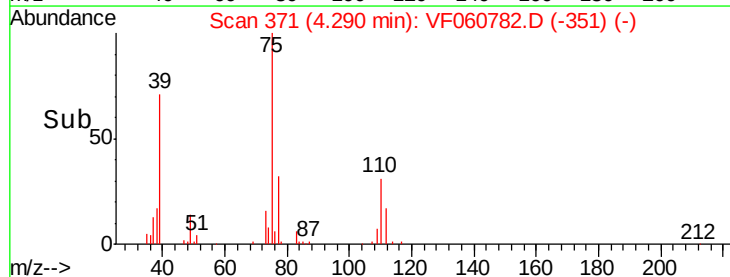
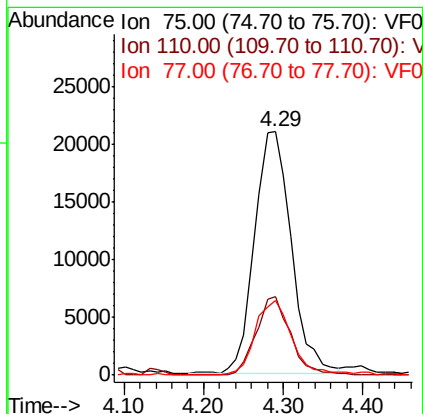
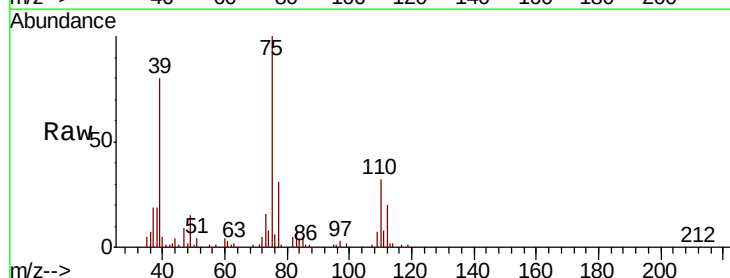
RT: 4.29 min Scan# 371

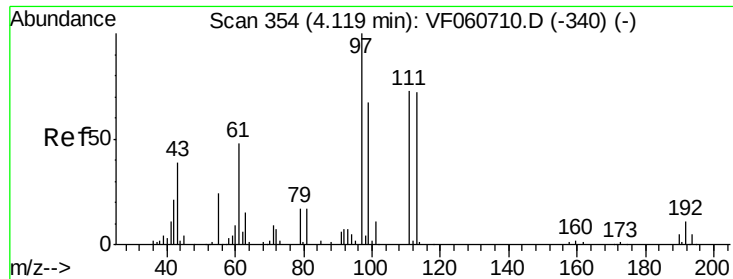
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	75	Resp:	67531
Ion Ratio	Lower	Upper	
75	100		
110	32.2	15.6	46.8
77	30.7	25.0	37.6





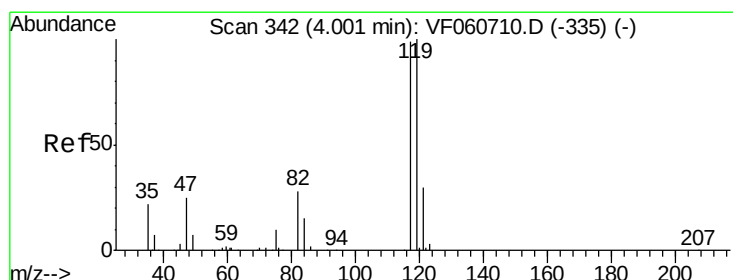
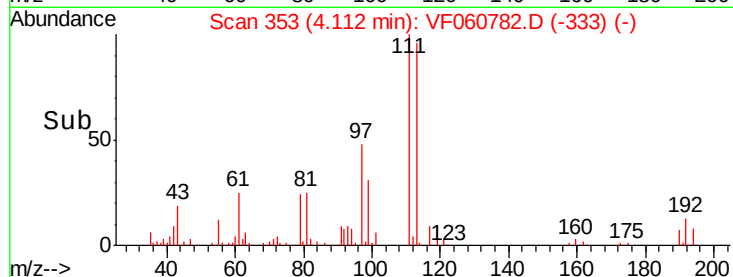
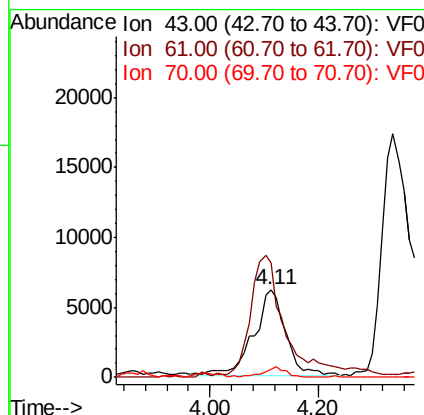
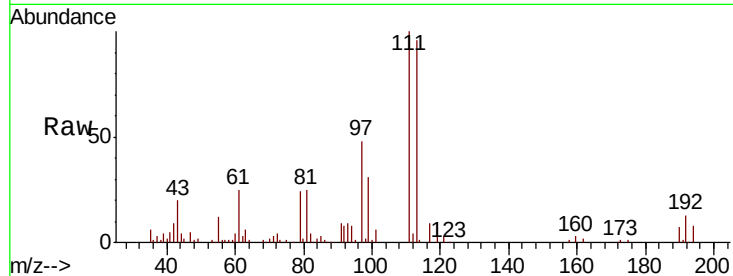
#37
Ethyl Acetate
Concen: 22.966 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	43	61	70	Ratio	100	129.7	9.8	Resp	25127	Lower	Upper
43	100										
61		129.7				98.5			147.7		
70			9.8			7.4			11.0		

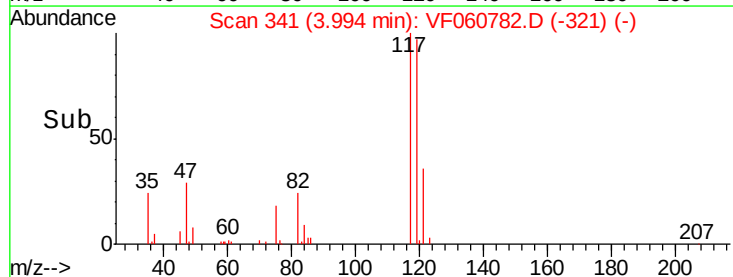
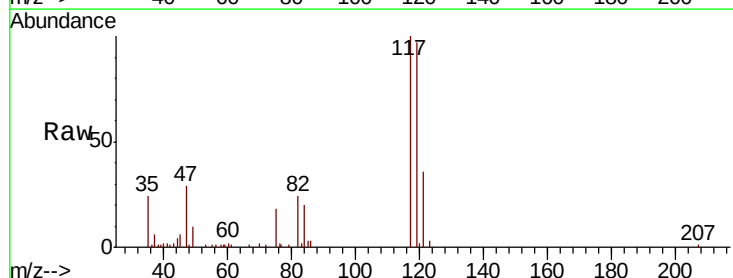
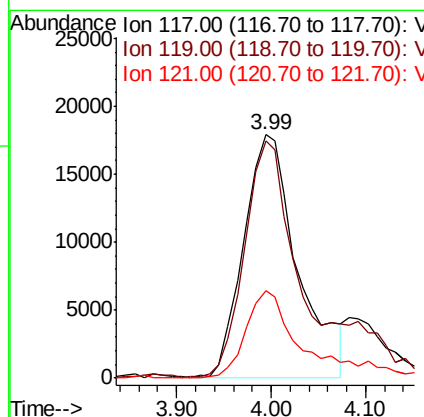
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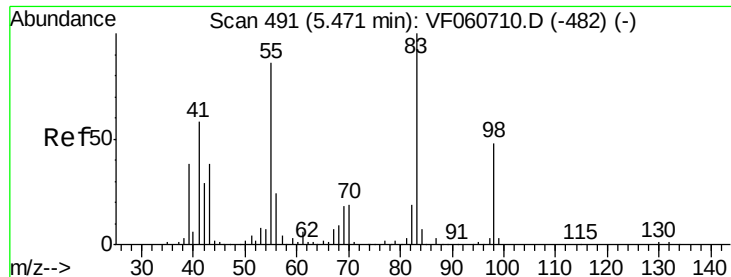
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#38
Carbon Tetrachloride
Concen: 25.058 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	117	119	121	Ratio	100	97.4	36.2	Resp	71555	Lower	Upper
117	100										
119		97.4				80.7			121.1		
121			36.2			24.3			36.5		





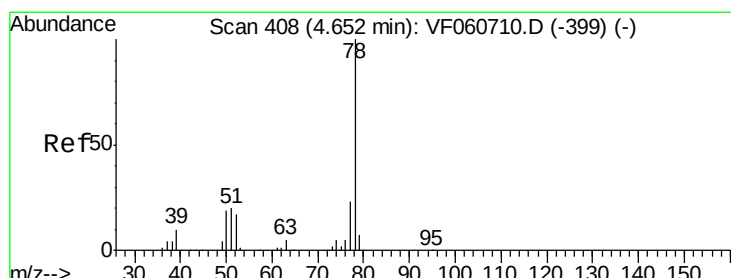
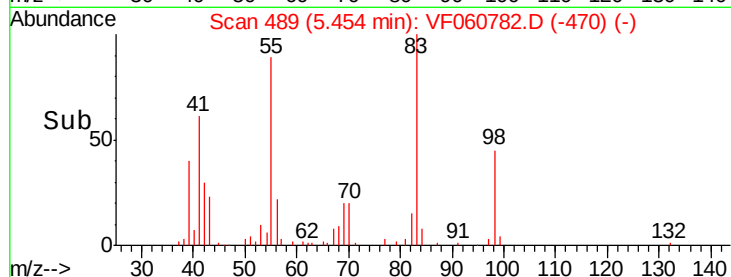
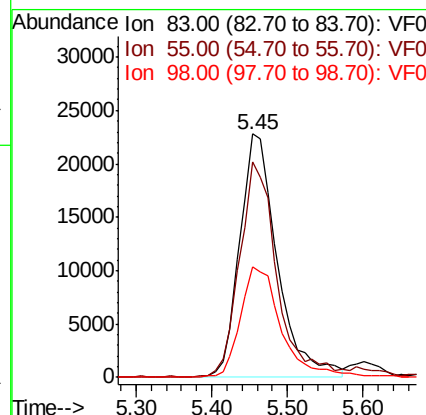
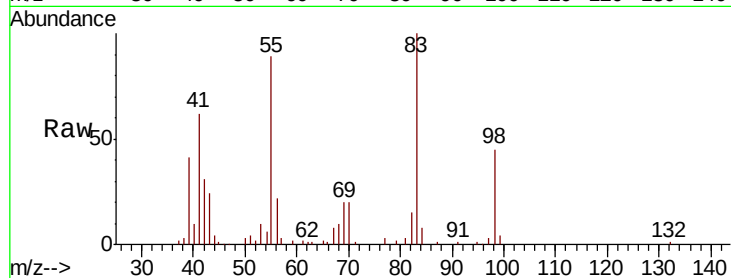
#39
Methylvlcyclohexane
Concen: 23.077 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	69.0	103.4
98	45.4	38.5	57.7

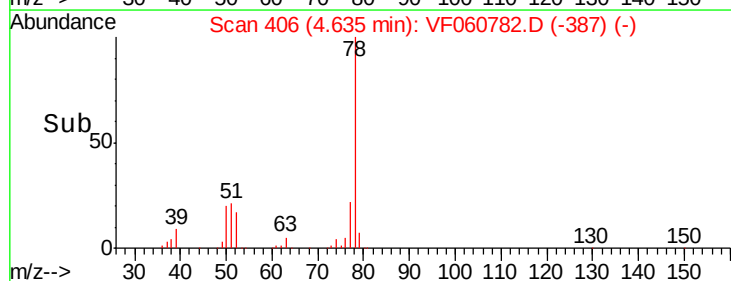
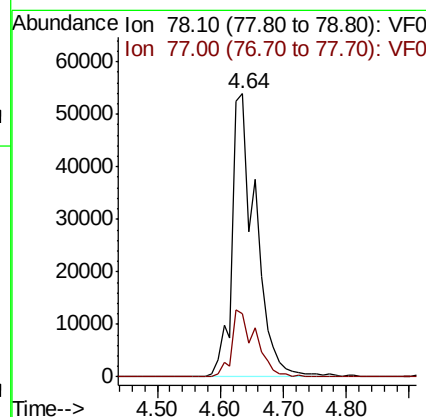
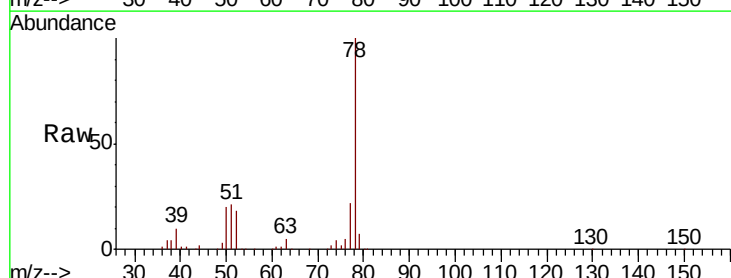
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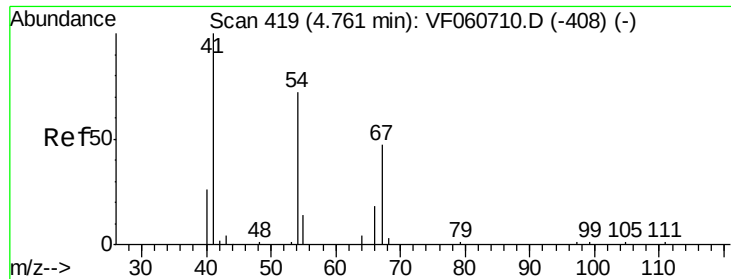
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#40
Benzene
Concen: 21.286 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.6	28.0





#41

Methacrylonitrile

Concen: 20.445 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 41 Resp: 13419

Ion Ratio Lower Upper

41 100

39 46.8 47.1 70.7#

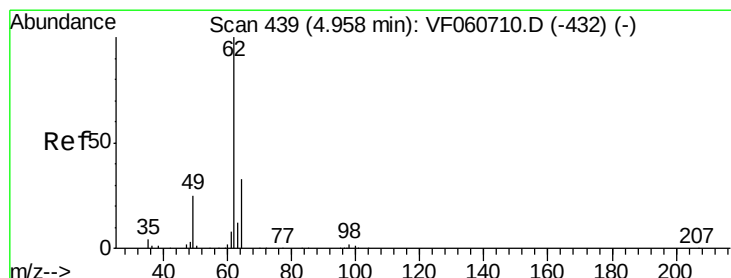
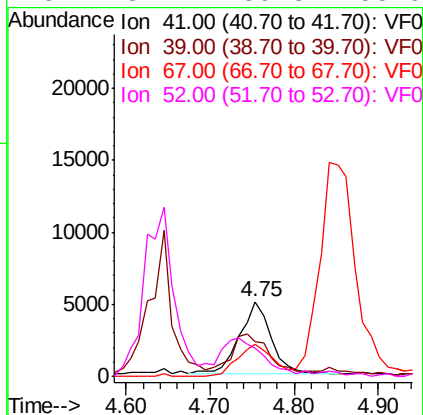
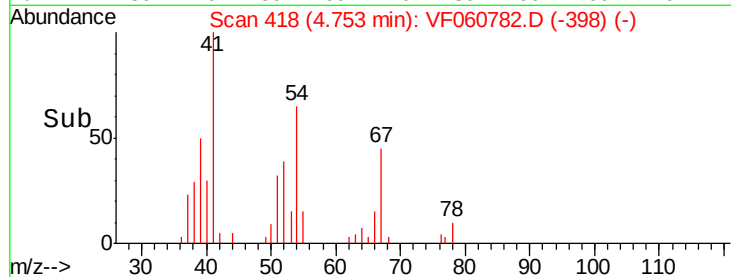
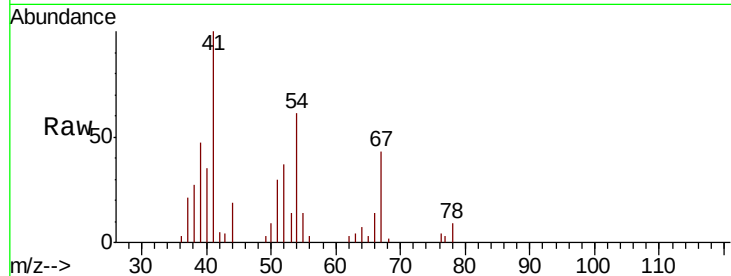
67 43.0 37.1 55.7

52 37.2 39.3 58.9#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 24.064 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.02 min

Lab File: VF060782.D

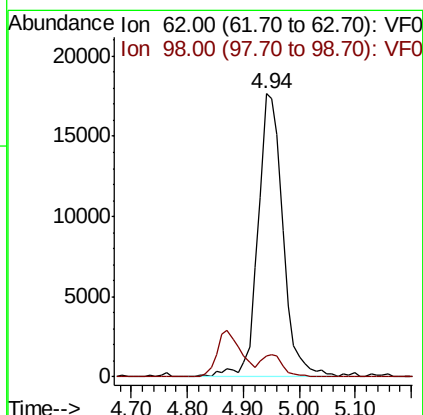
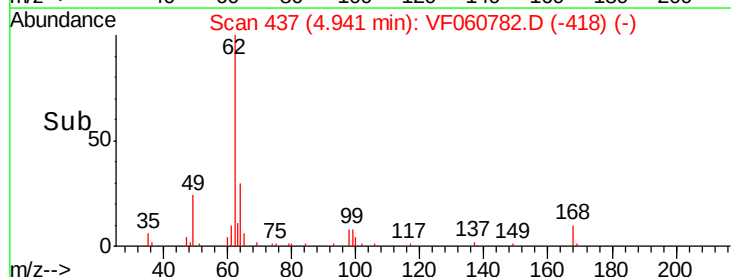
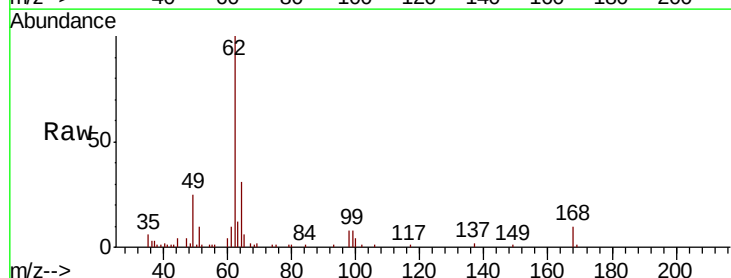
Acq: 19 Nov 2018 17:37

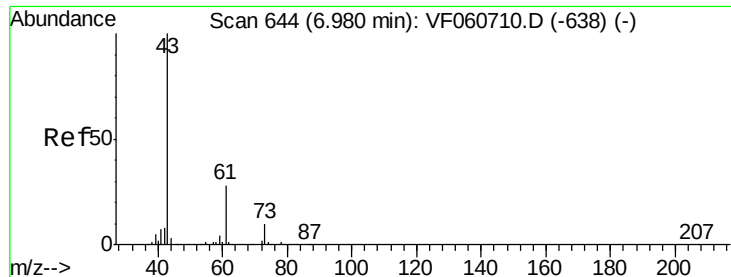
Tgt Ion: 62 Resp: 54553

Ion Ratio Lower Upper

62 100

98 7.6 0.0 16.6





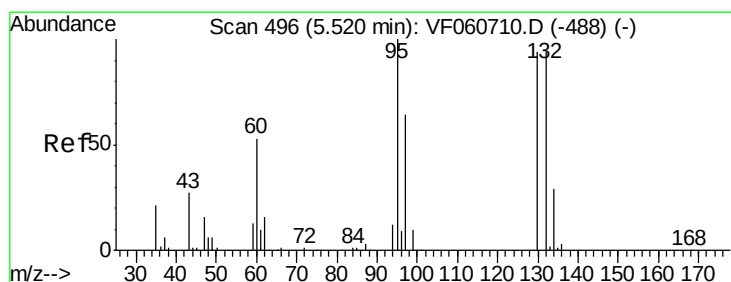
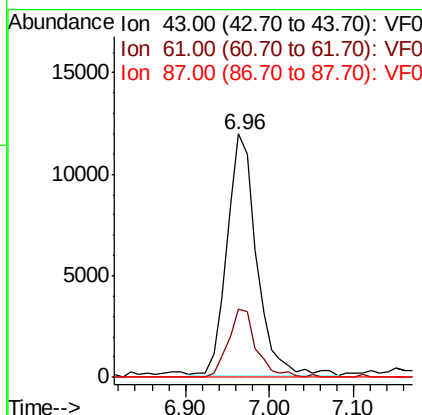
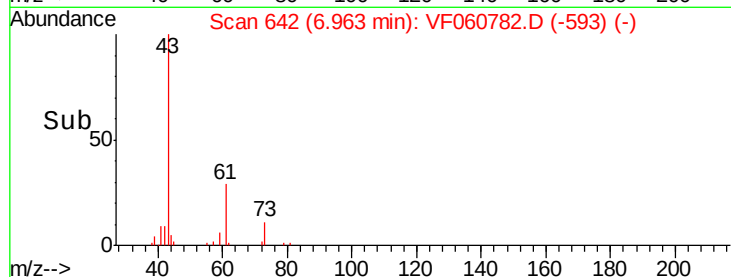
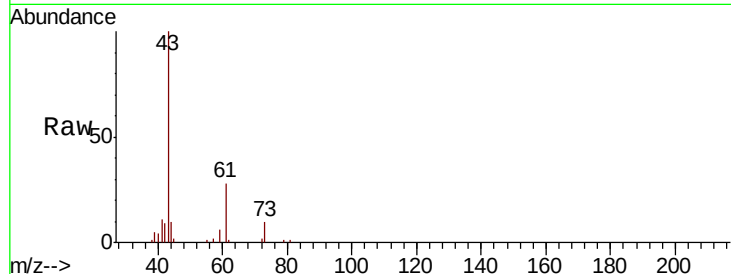
#43
Isopropyl Acetate
Concen: 19.999 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.2	33.4
87	0.0	0.4	0.6

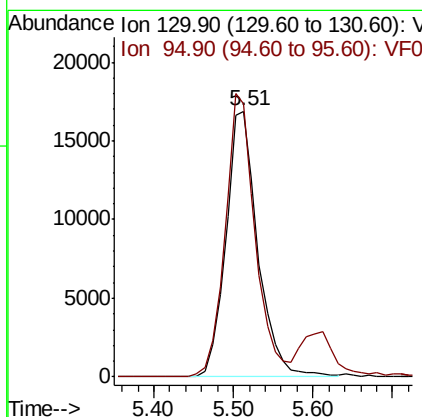
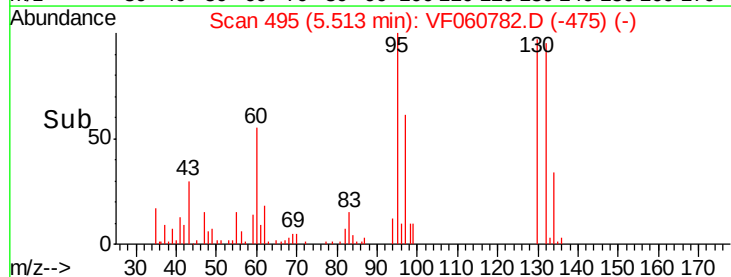
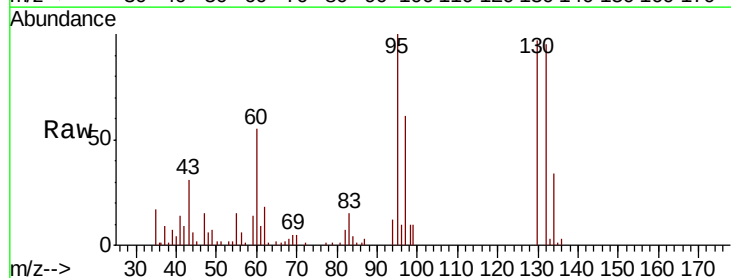
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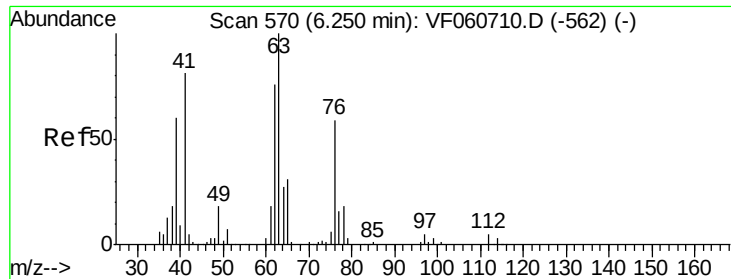
apatel
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#44
Trichloroethene
Concen: 22.873 ug/l
RT: 5.51 min Scan# 495
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	212.6





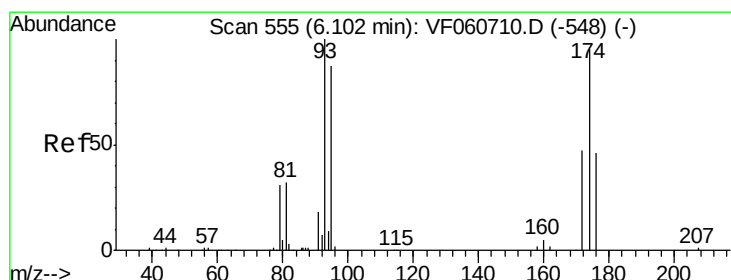
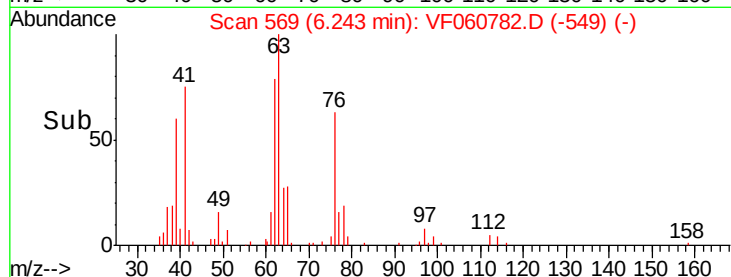
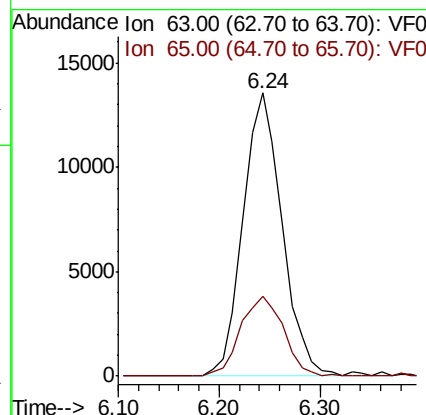
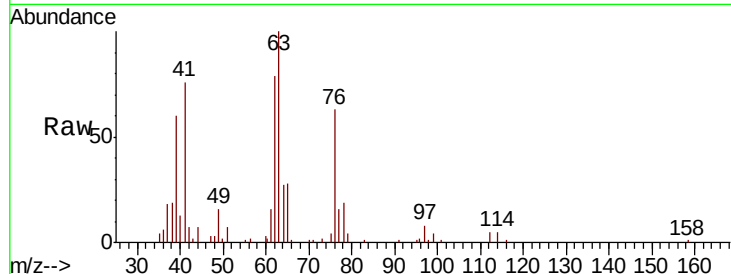
#45
 1,2-Dichloropropane
 Concen: 21.449 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.6	36.8

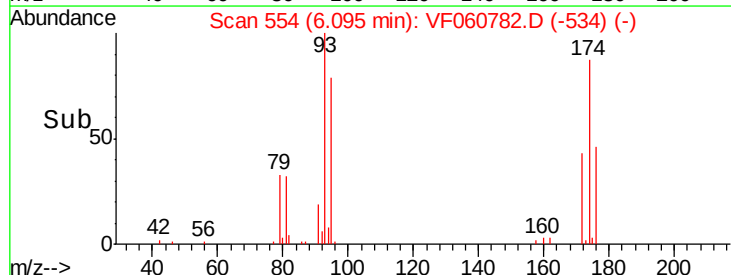
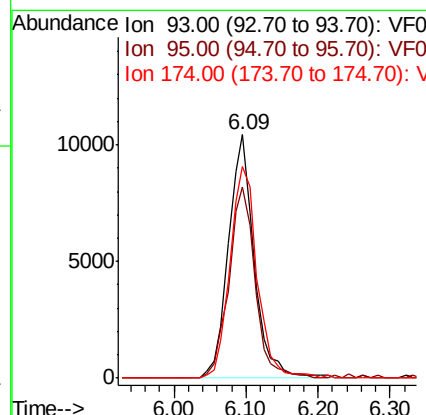
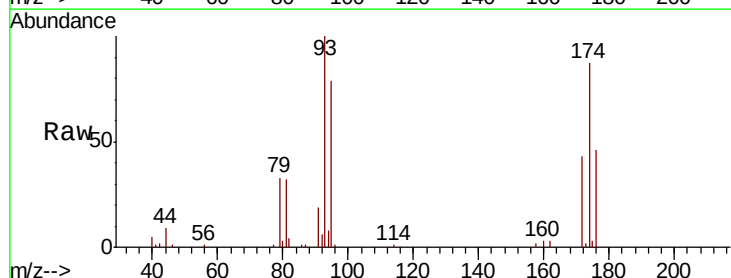
Manual Integrations
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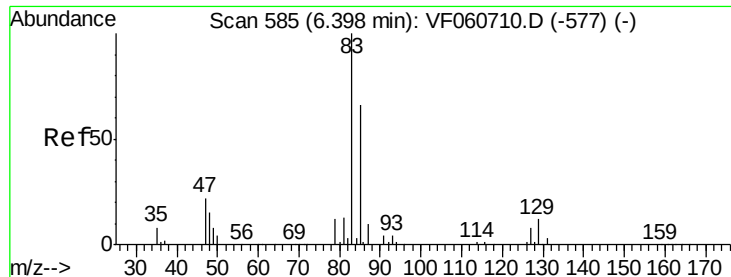
apatel
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#46
 Dibromomethane
 Concen: 22.947 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.7	69.5	104.3
174	86.7	76.2	114.2





#47

Bromodichloromethane

Concen: 22.655 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

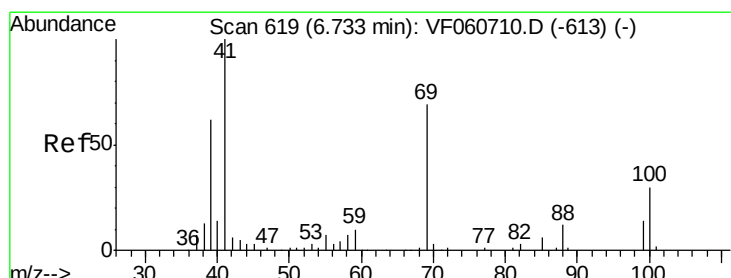
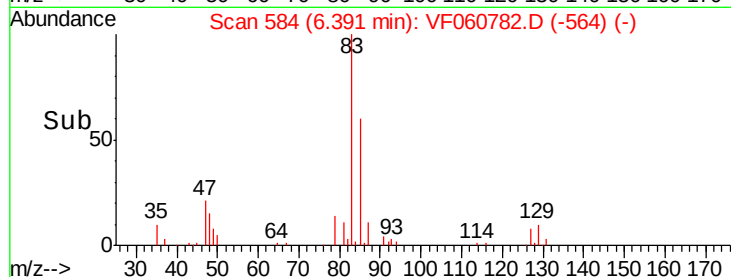
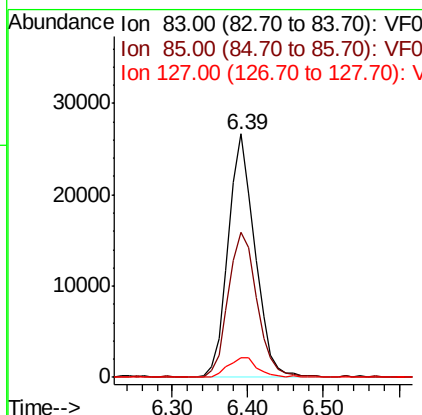
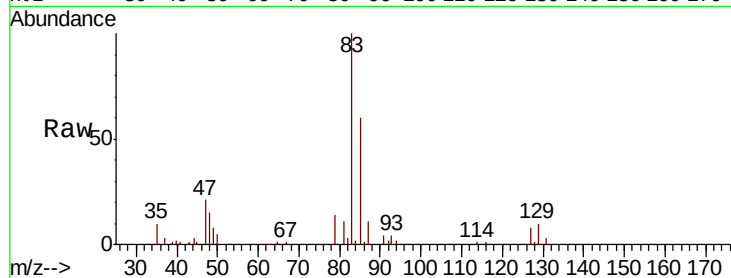
ClientSampleId :

VF1119SBS01

Tot Ion:	83	Resp:	65191
Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.4	78.6
127	8.3	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.504 ug/l

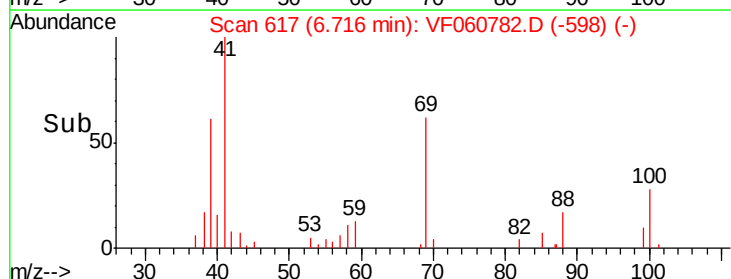
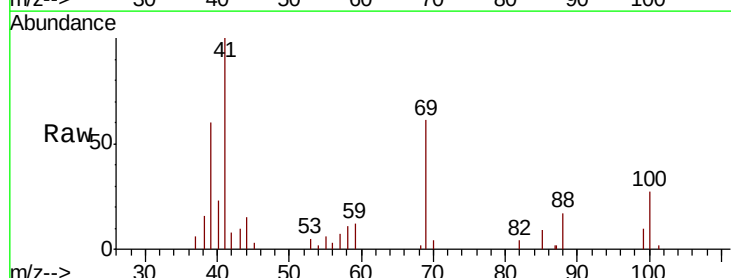
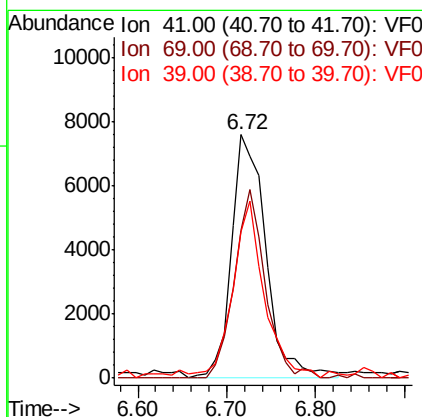
RT: 6.72 min Scan# 617

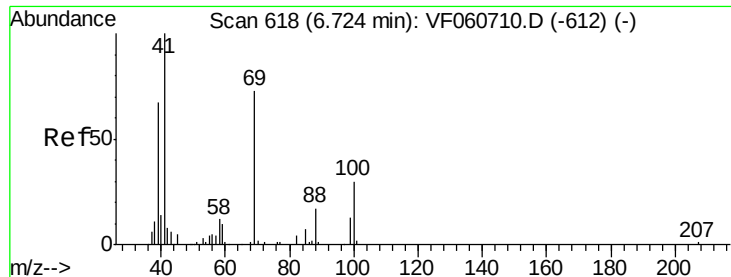
Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	41	Resp:	20645
Ion	Ratio	Lower	Upper
41	100		
69	60.8	54.9	82.3
39	60.3	49.6	74.4





#49

1,4-Dioxane

Concen: 445.824 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

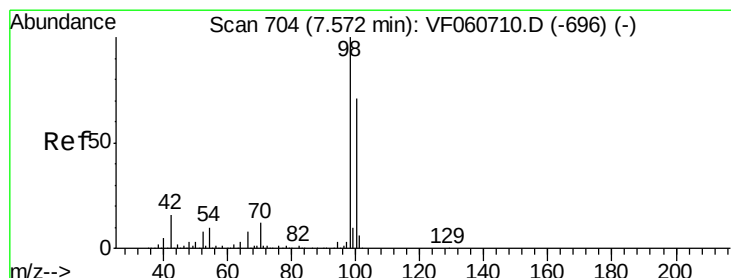
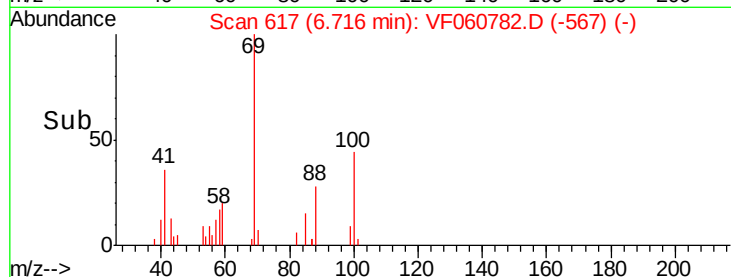
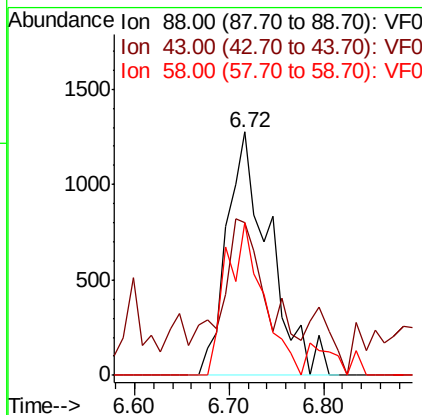
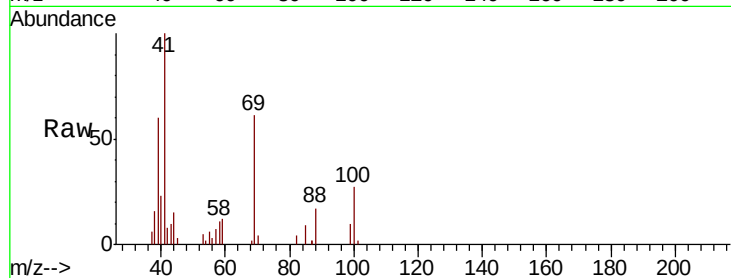
ClientSampleId :

VF1119SBS01

Tot Ion:	88	Resp:	4003
Ion	Ratio	Lower	Upper
88	100		
43	62.6	44.6	66.8
58	62.8	54.5	81.7

Manual Integrations
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#50

Toluene-d8

Concen: 56.520 ug/l

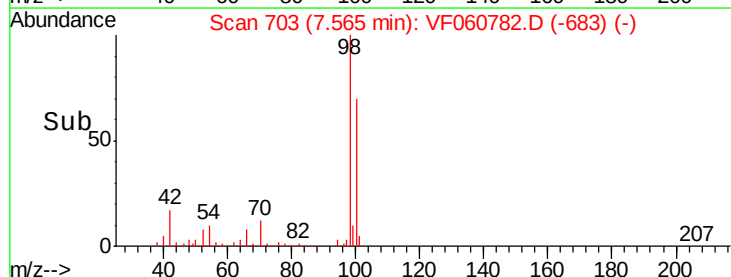
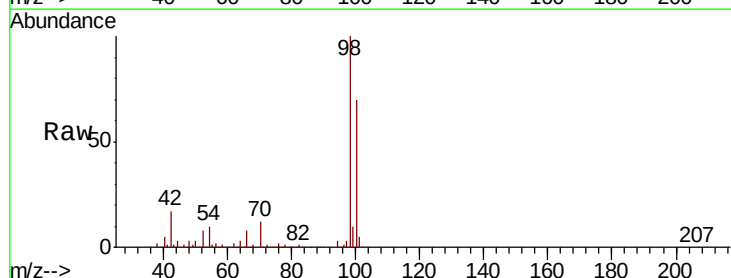
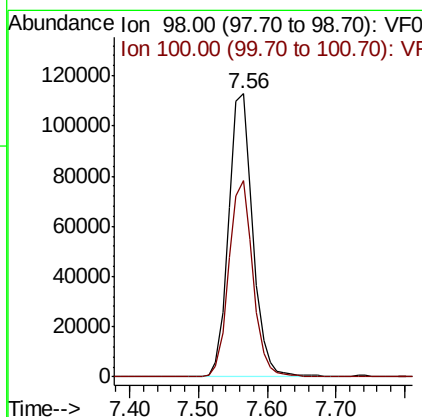
RT: 7.56 min Scan# 703

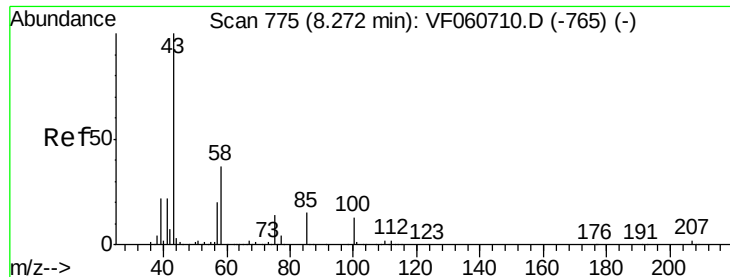
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	98	Resp:	274301
Ion	Ratio	Lower	Upper
98	100		
100	69.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 114.377 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 43 Resp: 120002

Ion Ratio Lower Upper

43 100

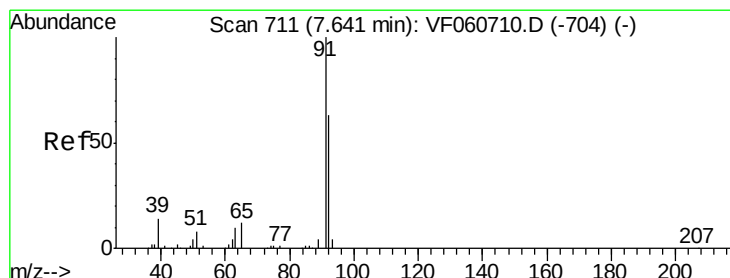
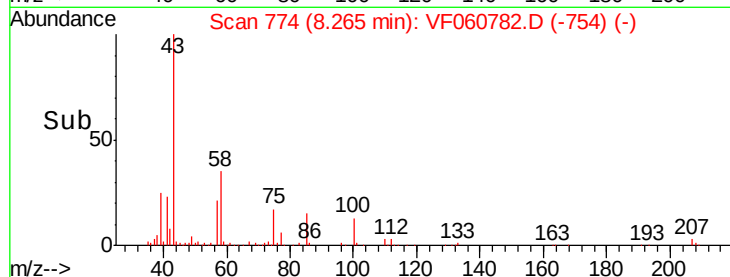
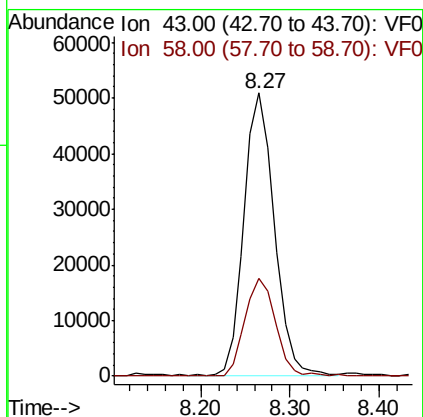
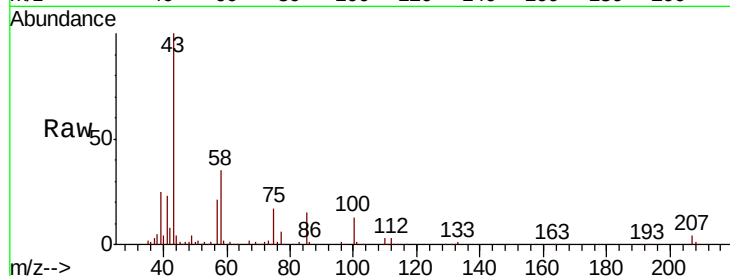
58 34.5 29.2 43.8

Manual Integrations

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#52

Toluene

Concen: 21.737 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060782.D

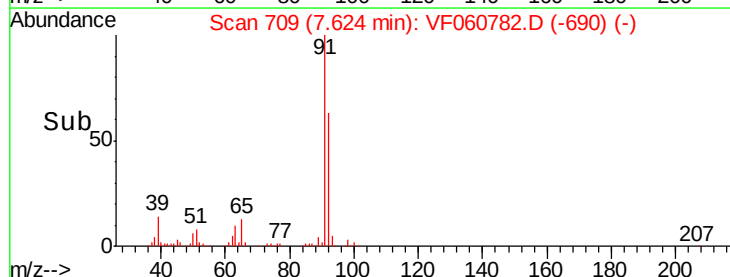
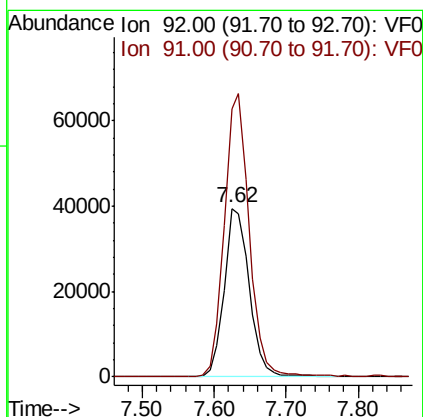
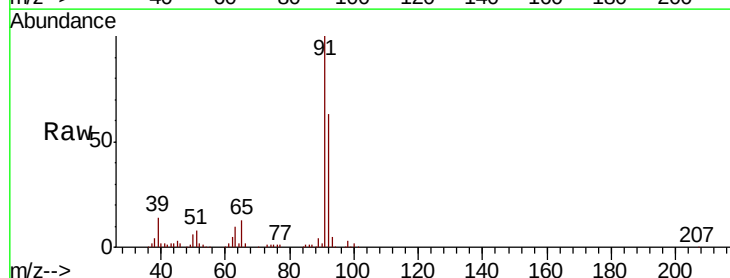
Acq: 19 Nov 2018 17:37

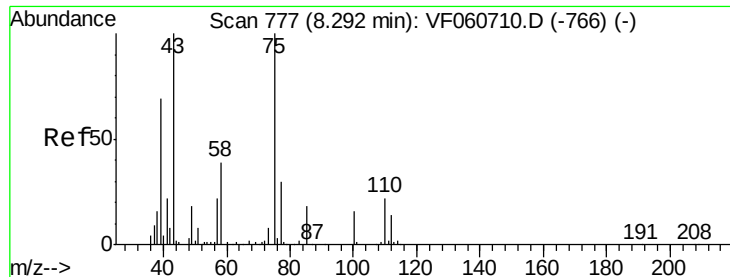
Tgt Ion: 92 Resp: 95558

Ion Ratio Lower Upper

92 100

91 159.1 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 23.561 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 75 Resp: 54302

Ion Ratio Lower Upper

75 100

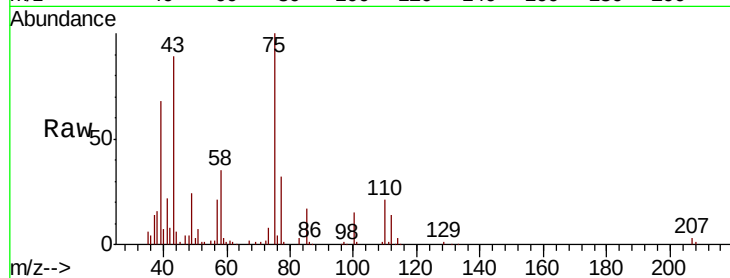
77 31.8 24.6 36.8

Manual Integrations

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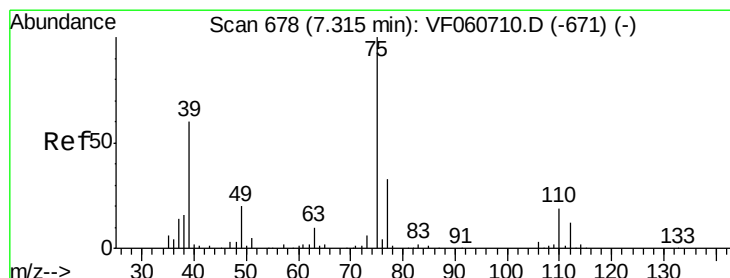
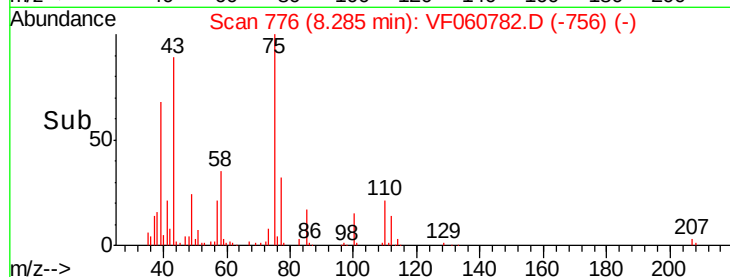
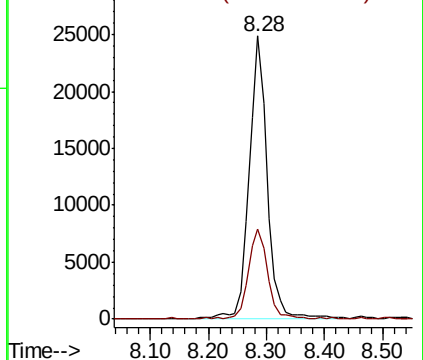
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.640 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

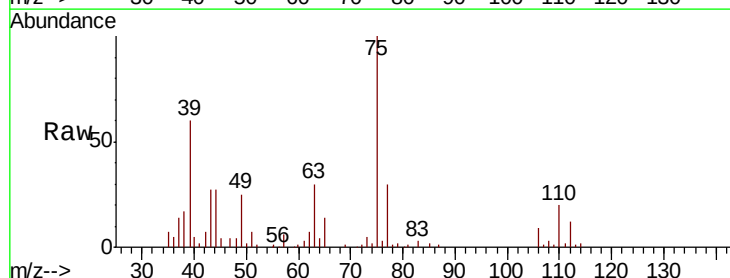
Tgt Ion: 75 Resp: 64785

Ion Ratio Lower Upper

75 100

77 29.9 26.5 39.7

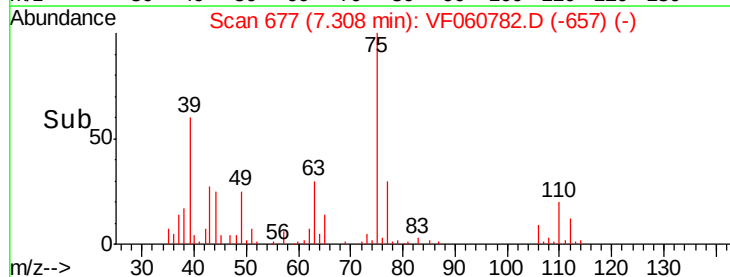
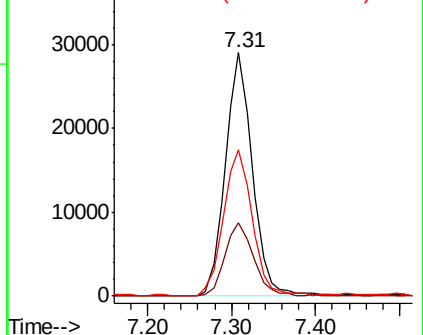
39 59.9 48.5 72.7

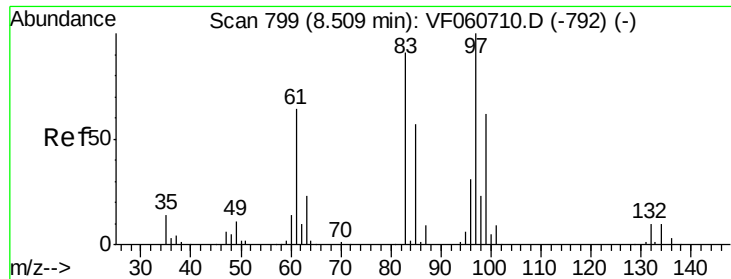


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.107 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

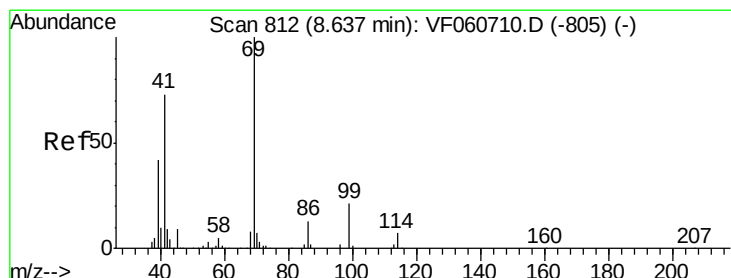
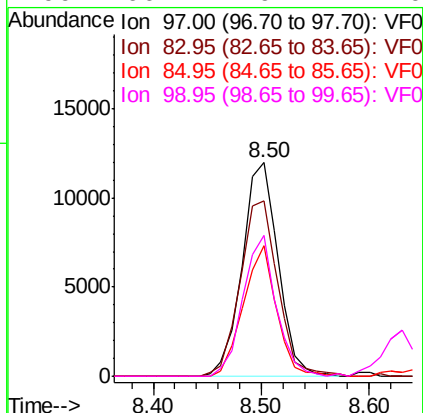
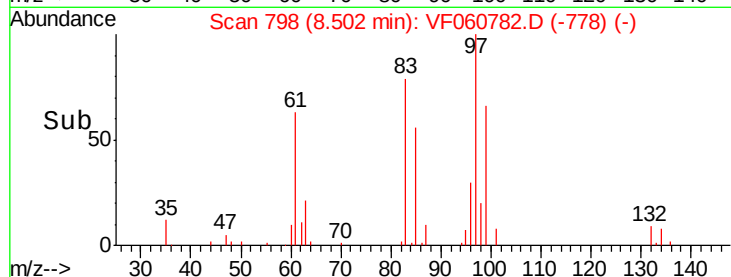
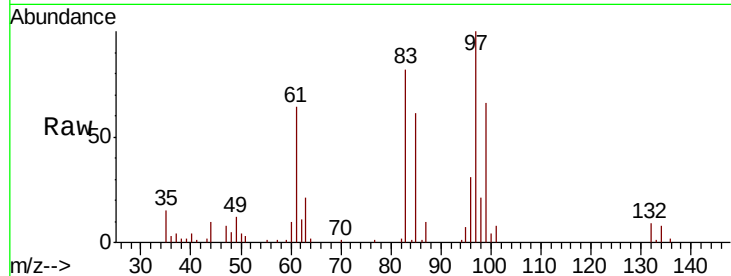
ClientSampleId :

VF1119SBS01

Tot Ion:	97	Resp:	27767
Ion	Ratio	Lower	Upper
97	100		
83	81.9	72.8	109.2
85	61.1	45.8	68.6
99	66.2	49.4	74.0

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#56

Ethyl methacrylate

Concen: 18.834 ug/l

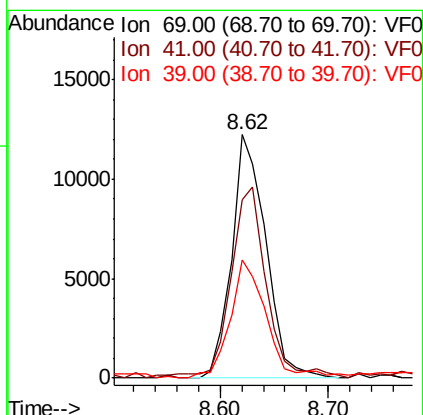
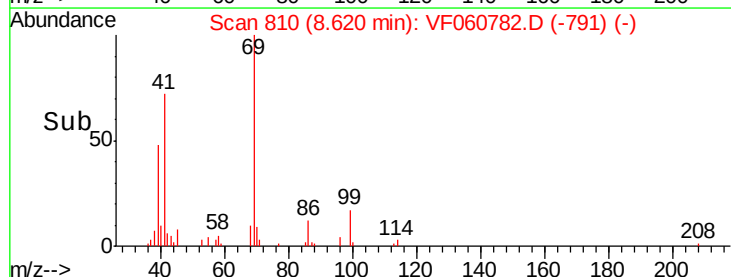
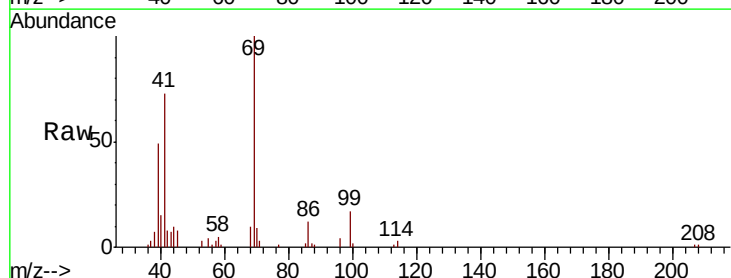
RT: 8.62 min Scan# 810

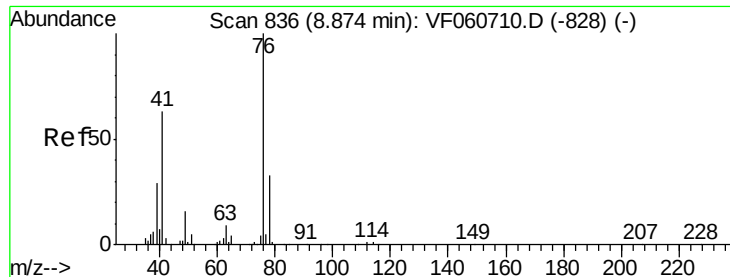
Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	69	Resp:	26866
Ion	Ratio	Lower	Upper
69	100		
41	73.4	59.0	88.6
39	48.8	34.0	51.0





#57

1,3-Dichloropropane

Concen: 22.388 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 76 Resp: 48735

Ion Ratio Lower Upper

76 100

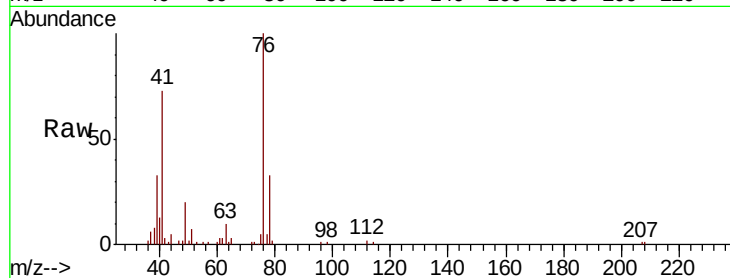
78 32.7 26.6 39.8

Manual Integrations

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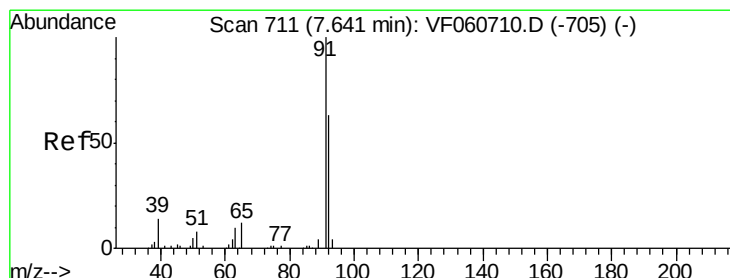
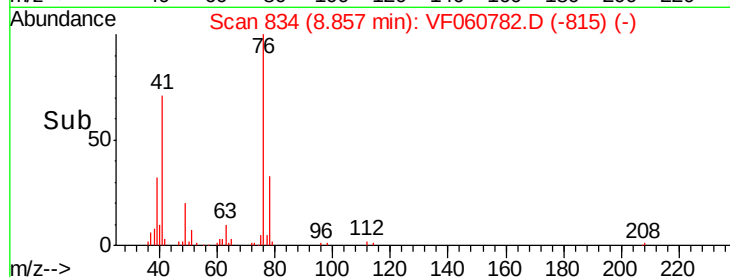
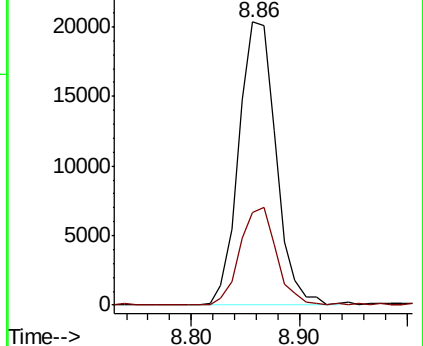
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 115.487 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060782.D

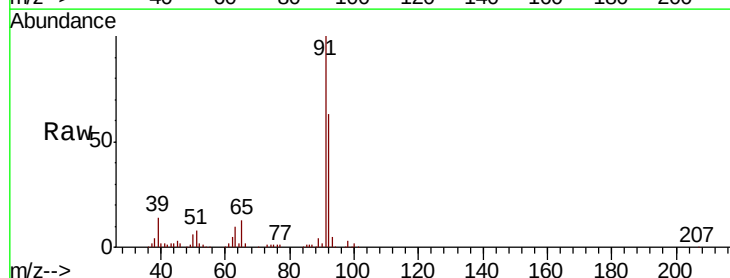
Acq: 19 Nov 2018 17:37

Tgt Ion: 63 Resp: 15049

Ion Ratio Lower Upper

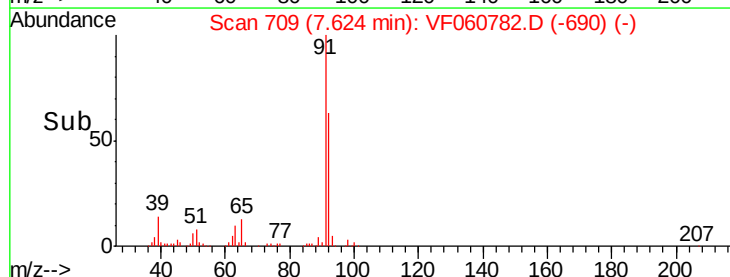
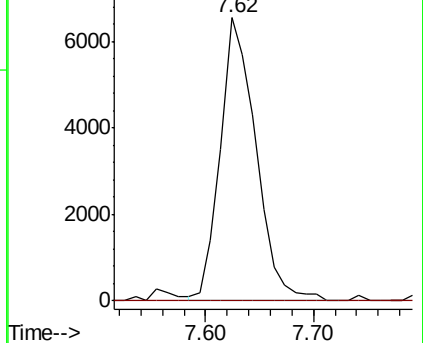
63 100

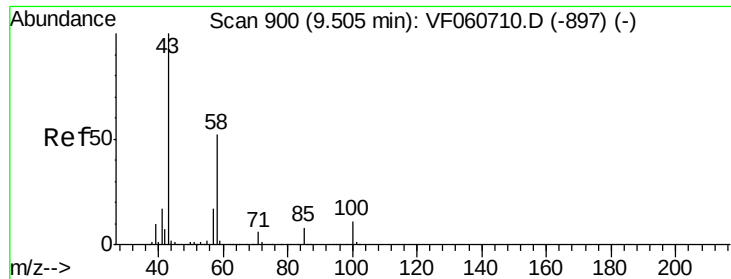
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





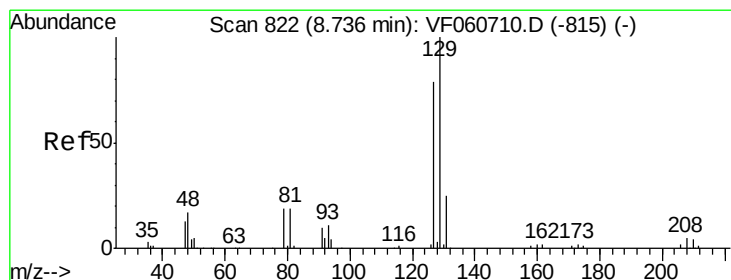
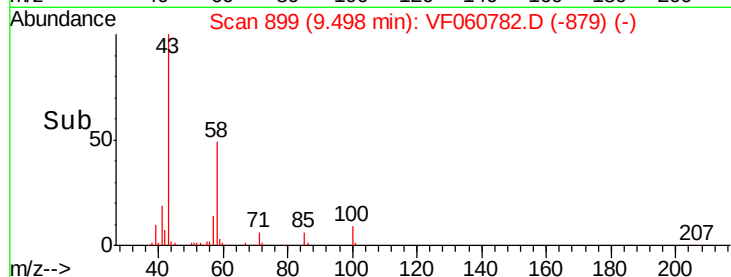
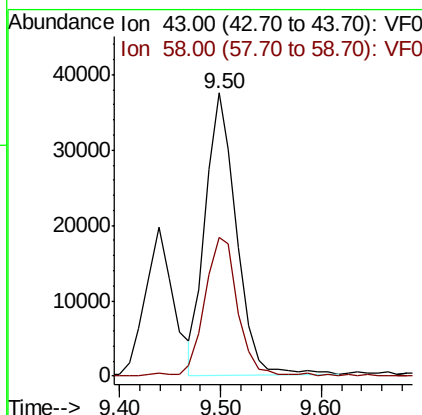
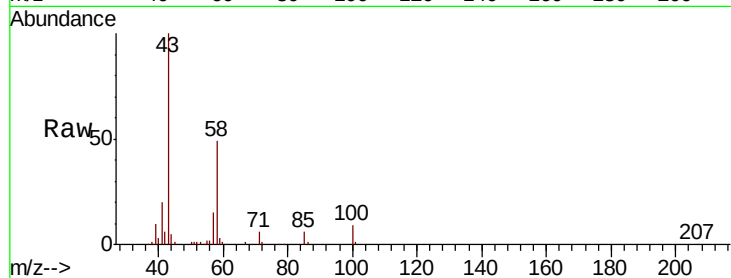
#59
2-Hexanone
Concen: 108.051 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.7

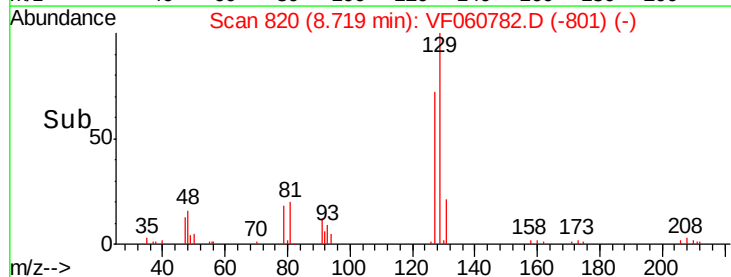
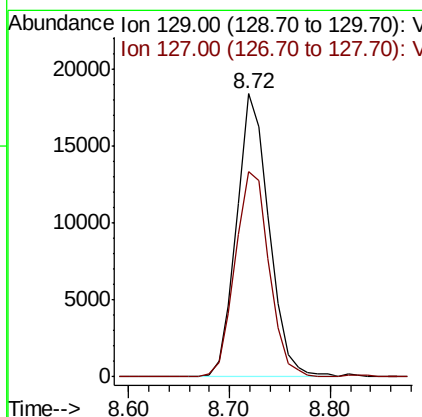
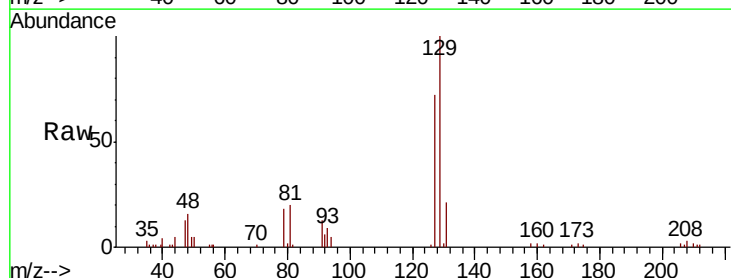
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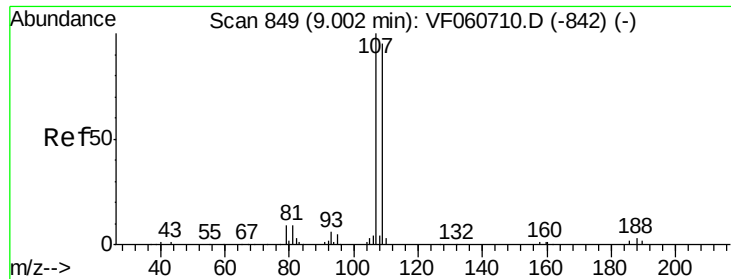
apatel
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#60
Dibromochloromethane
Concen: 23.016 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.4	39.7	119.1





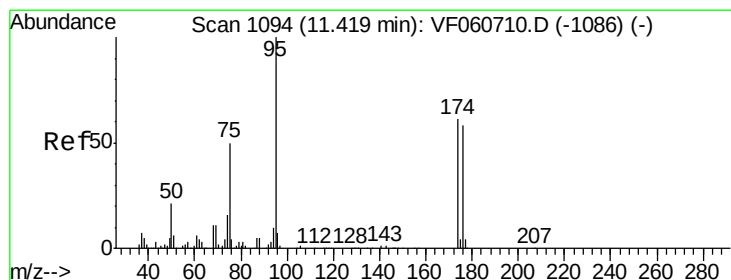
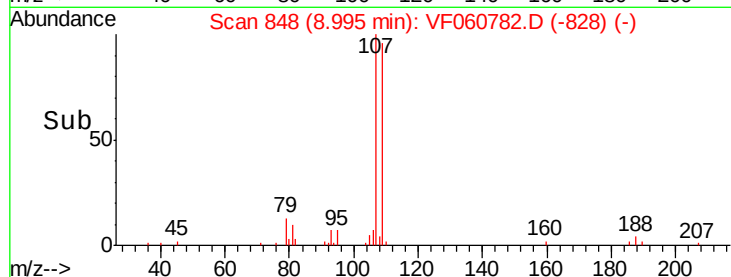
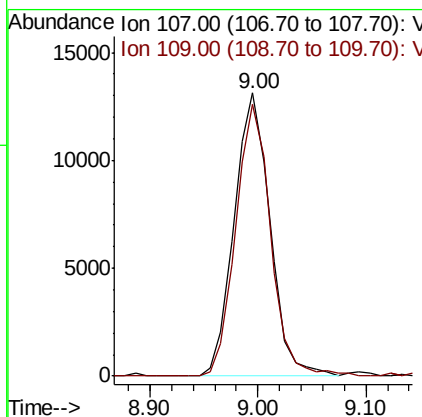
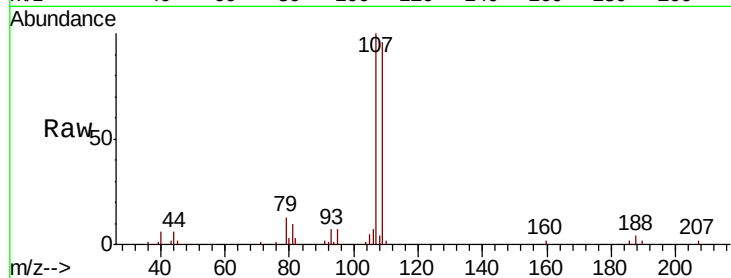
#61
 1,2-Dibromoethane
 Concen: 22.872 ug/l
 RT: 9.00 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		30214		
109	96.1	75.9	113.9		

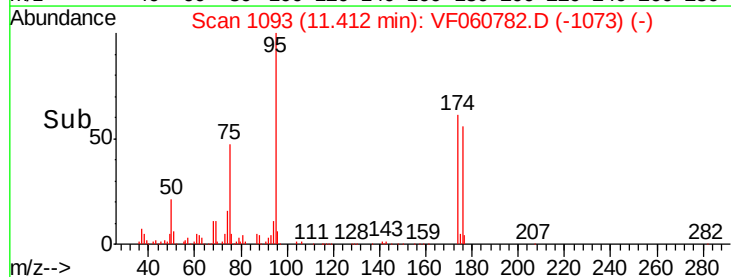
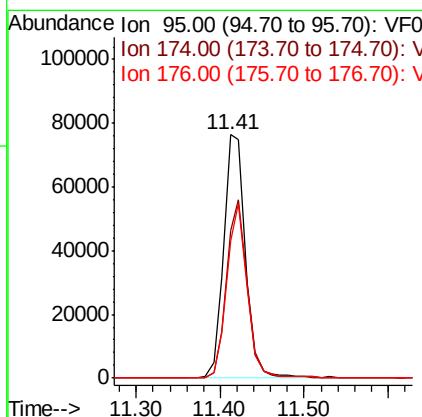
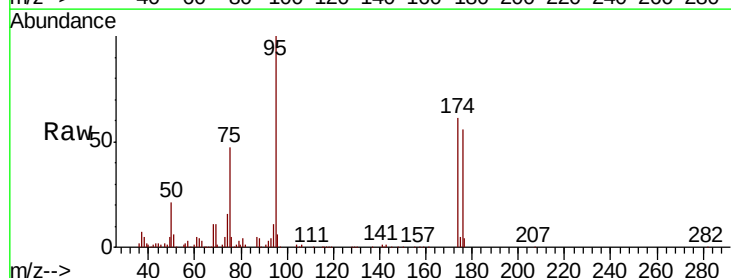
Manual Integrations
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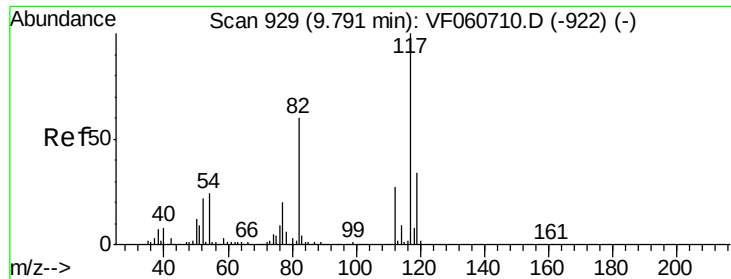
apatel
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#62
 4-Bromofluorobenzene
 Concen: 62.180 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		138129		
174	60.7	0.0	121.6		
176	56.2	0.0	115.2		





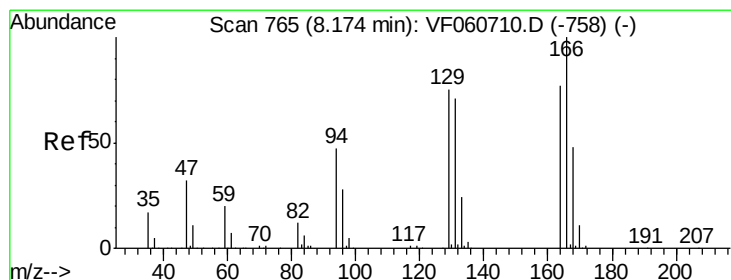
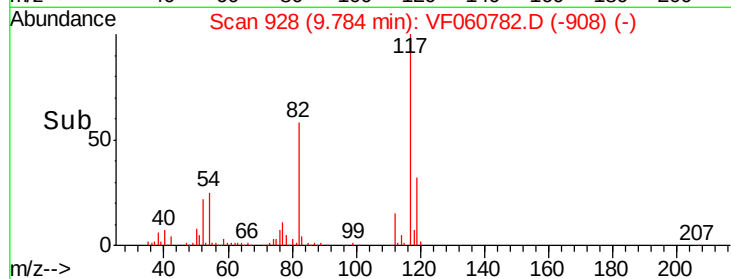
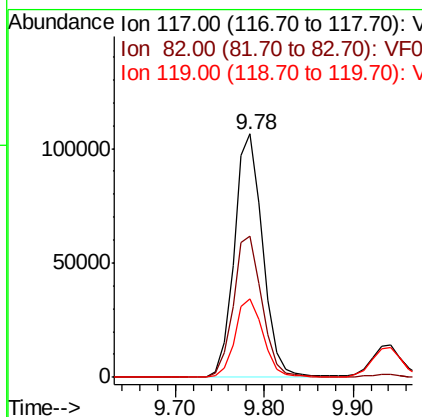
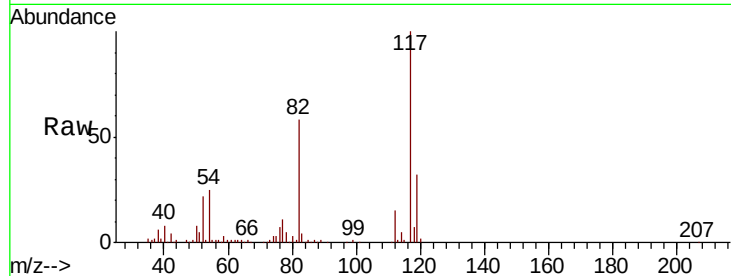
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236558		
82	57.9		47.9	71.9
119	32.0		26.8	40.2

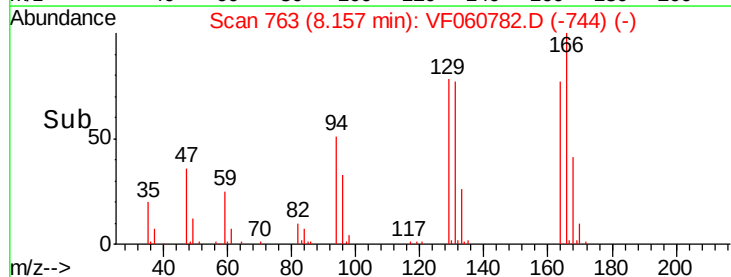
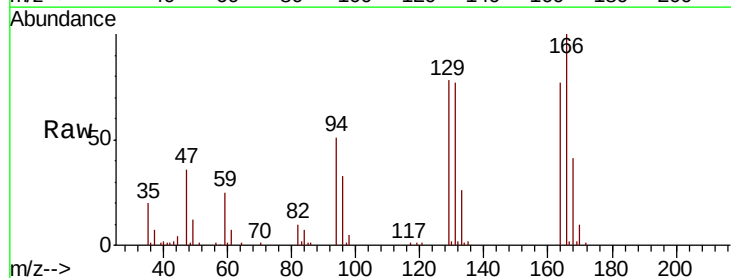
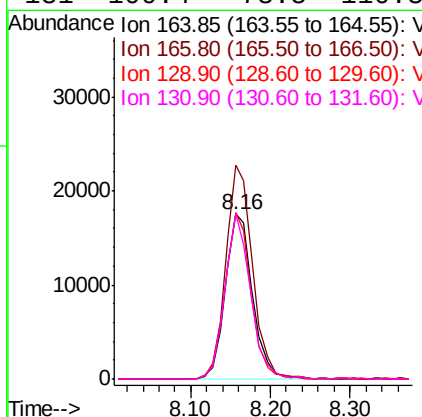
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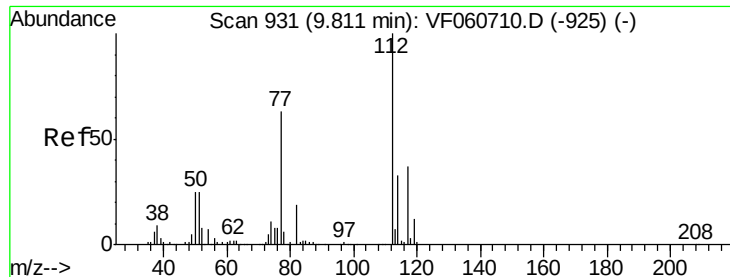
apatel
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#64
Tetrachloroethene
Concen: 22.438 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42033		
166	129.8		103.5	155.3
129	100.9		77.4	116.2
131	100.4		73.5	110.3





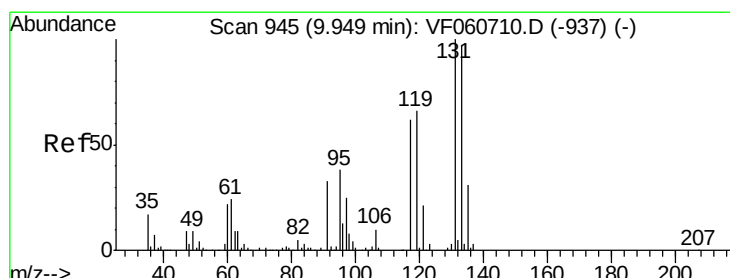
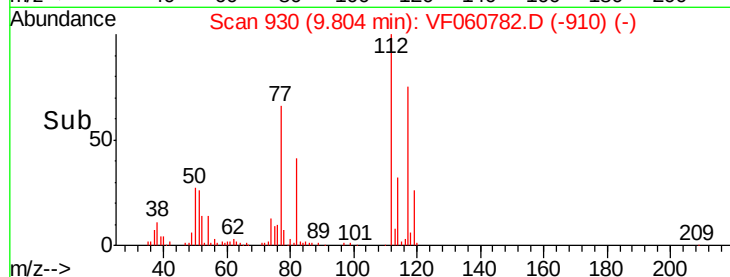
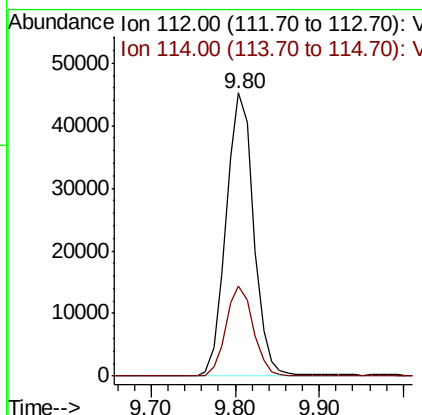
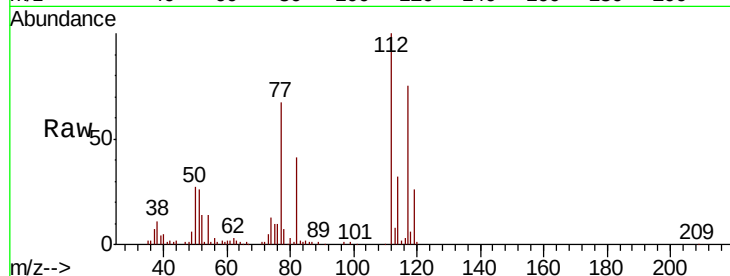
#65
Chlorobenzene
Concen: 21.675 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion:112 Resp: 103468
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1

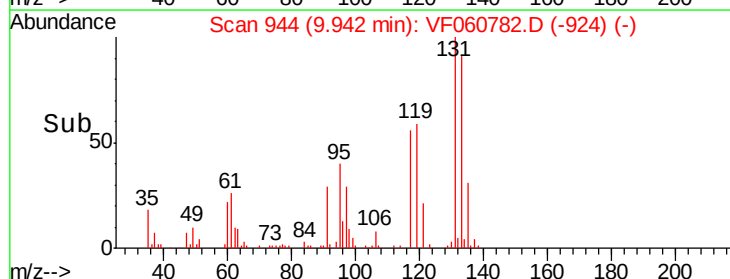
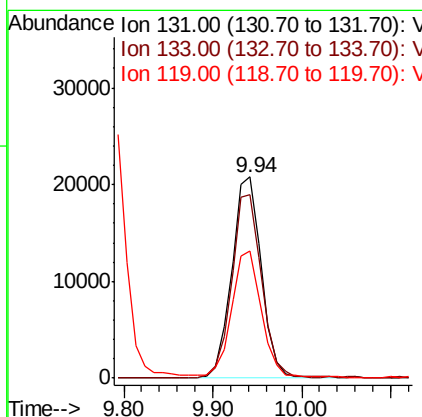
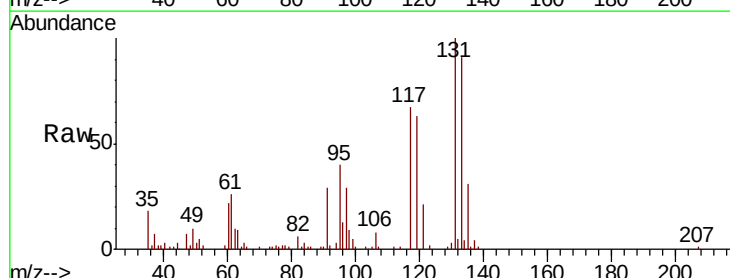
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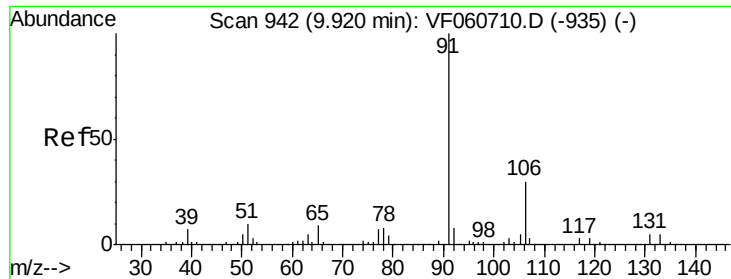
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.224 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion:131 Resp: 48354
Ion Ratio Lower Upper
131 100
133 91.5 48.3 144.8
119 63.0 33.2 99.6





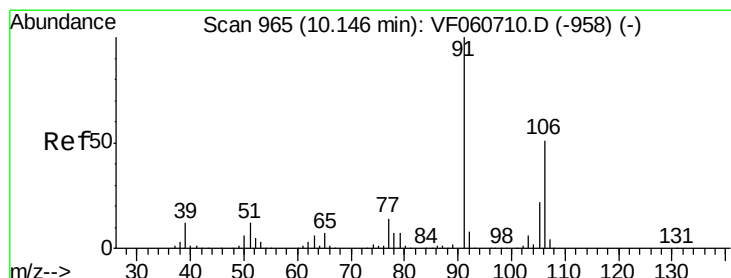
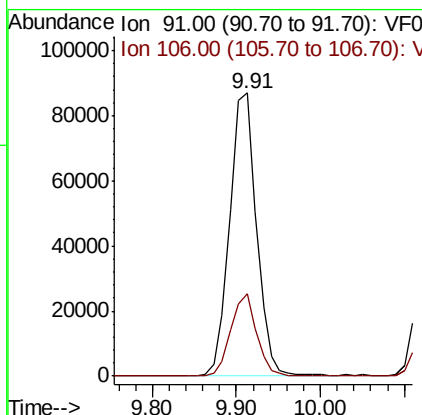
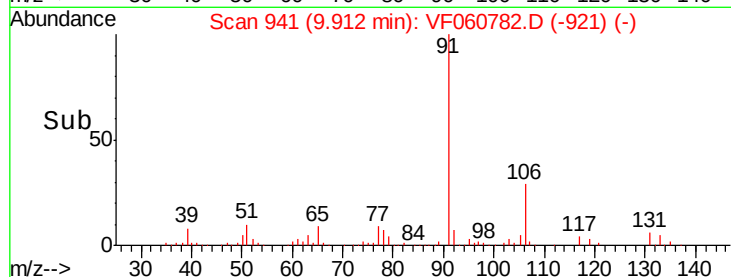
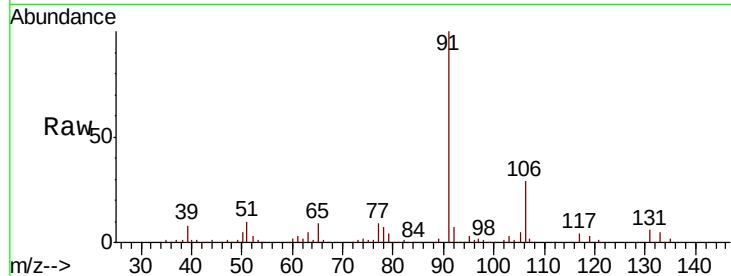
#67
Ethyl Benzene
Concen: 21.613 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion: 91 Resp: 194475
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9

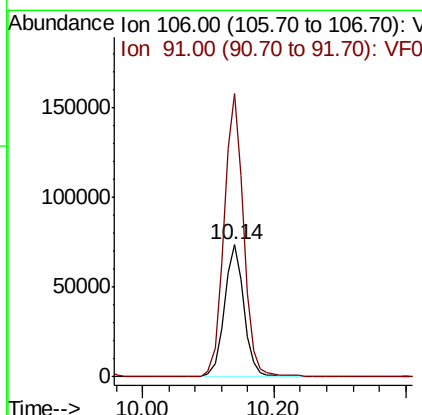
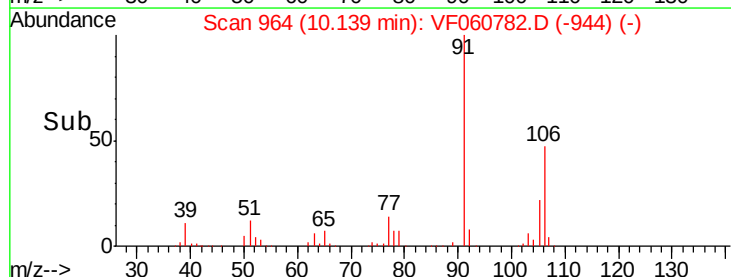
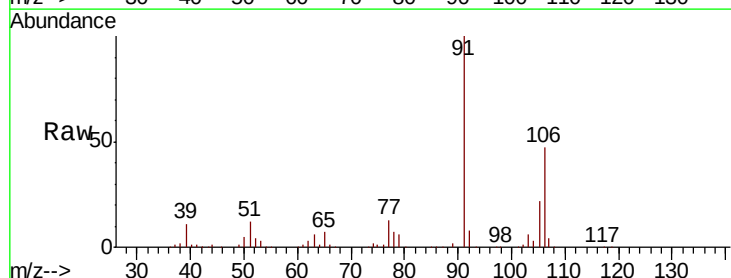
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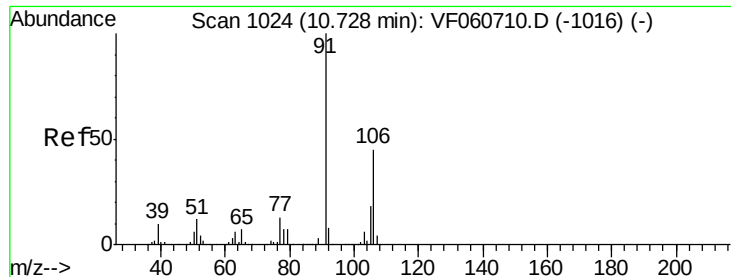
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#68
m/p-Xylenes
Concen: 47.865 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 106 Resp: 153913
Ion Ratio Lower Upper
106 100
91 214.0 158.2 237.2





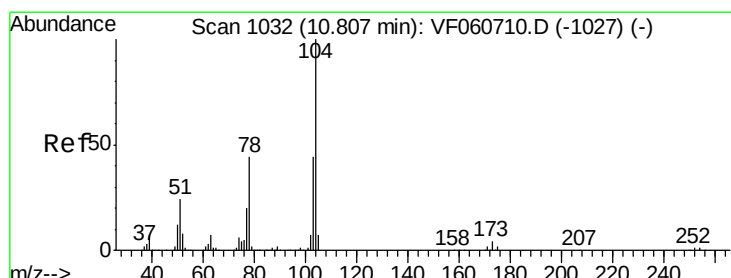
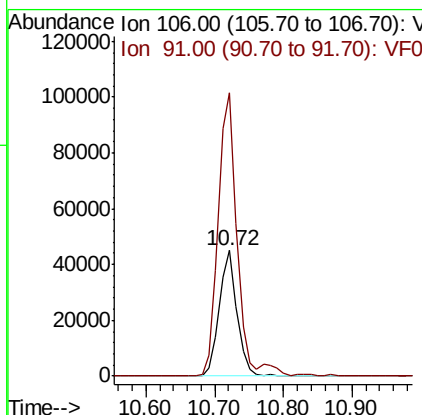
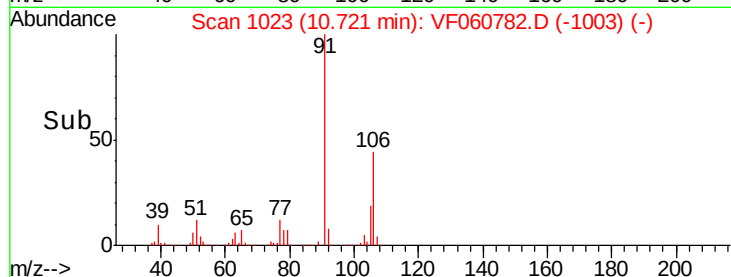
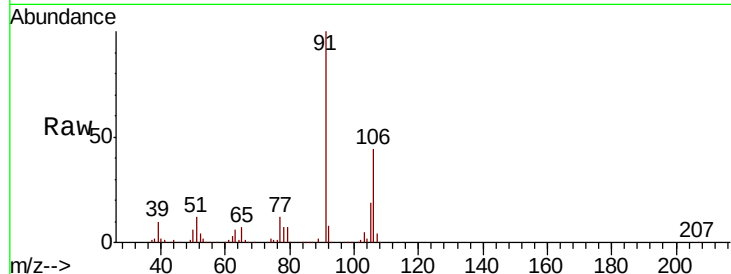
#69
o-Xylene
Concen: 22.597 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	81693		
91	91	225.4	110.3	330.9	

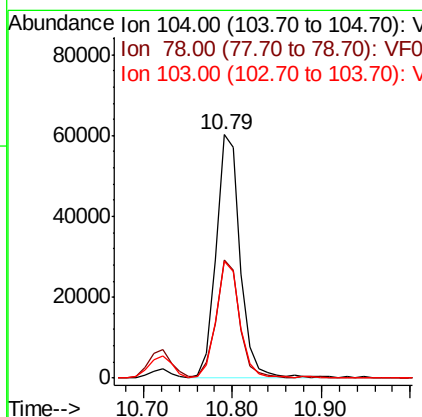
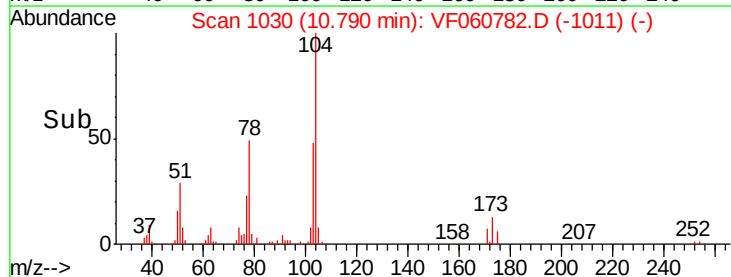
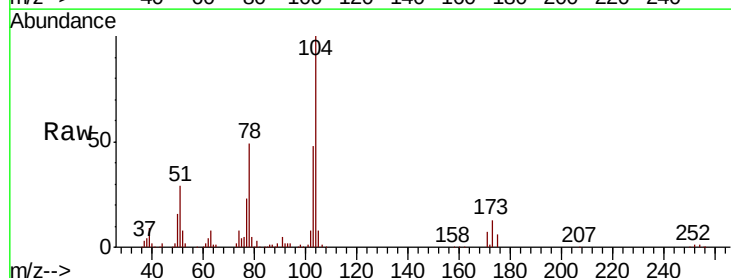
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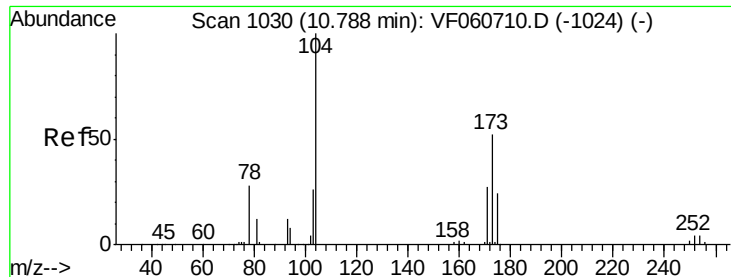
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#70
Styrene
Concen: 23.247 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	114059		
78	78	48.5	35.4	53.2	
103	103	48.0	35.8	53.6	





#71

Bromoform

Concen: 23.455 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:173 Resp: 21960

Ion Ratio Lower Upper

173 100

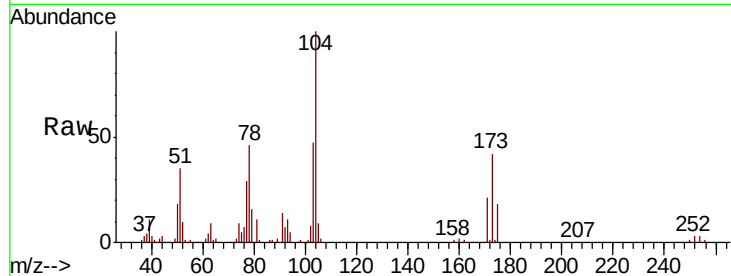
175 44.1 23.4 70.0

254 7.9 5.8 8.8

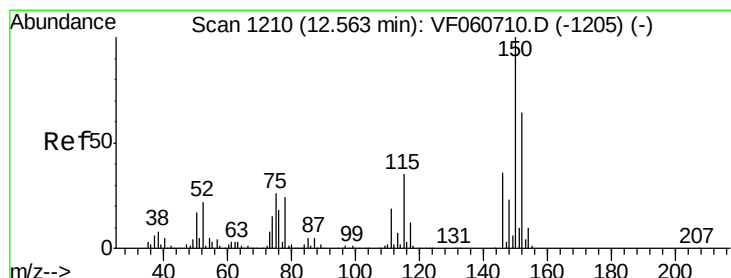
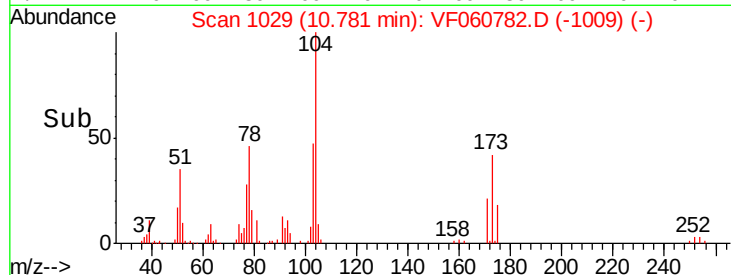
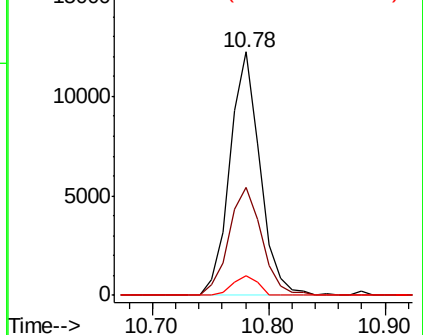
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

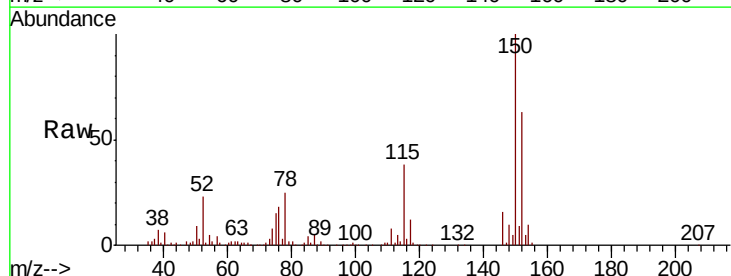
Tgt Ion:152 Resp: 138541

Ion Ratio Lower Upper

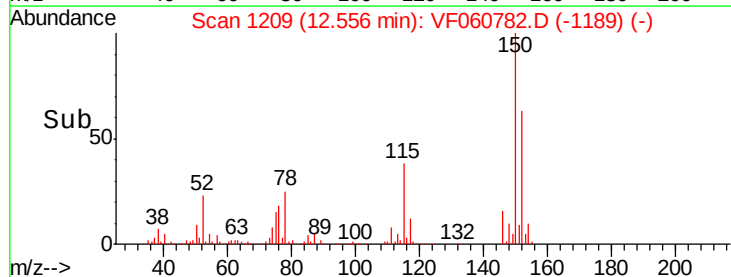
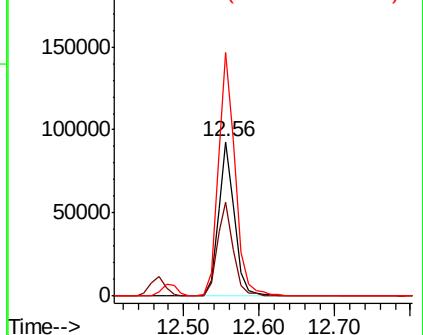
152 100

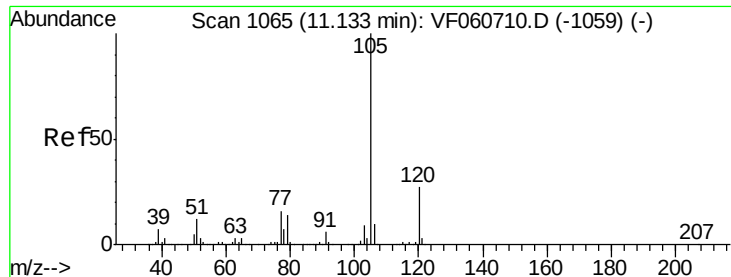
115 60.6 27.9 83.7

150 158.1 0.0 316.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.979 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:105 Resp: 256256

Ion Ratio Lower Upper

105 100

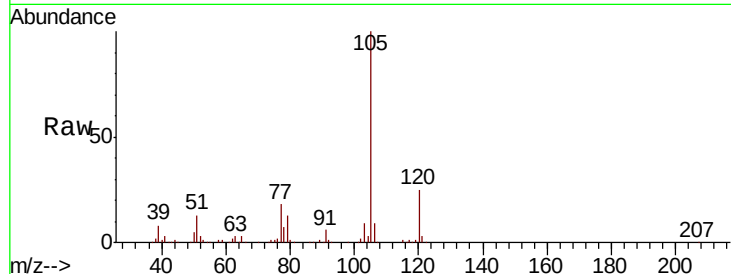
120 24.7 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

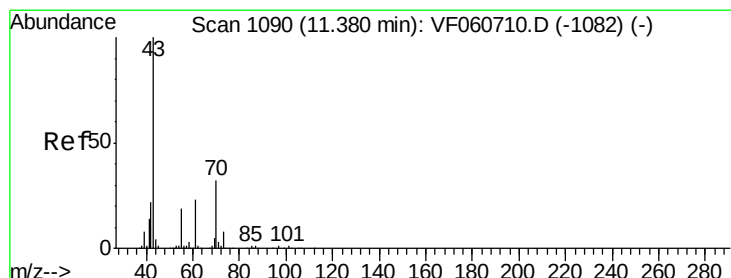
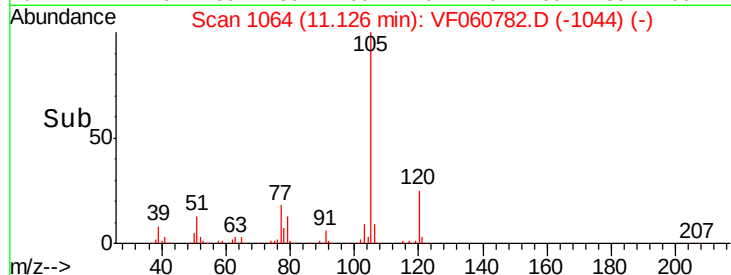
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 21.651 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion: 43 Resp: 54964

Ion Ratio Lower Upper

43 100

70 32.1 25.5 38.3

55 18.7 14.9 22.3

61 22.9 18.6 27.8

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

50000

40000

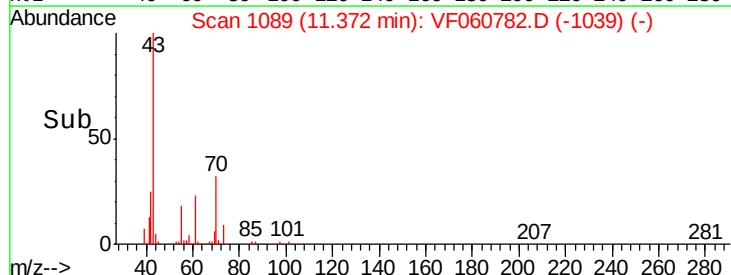
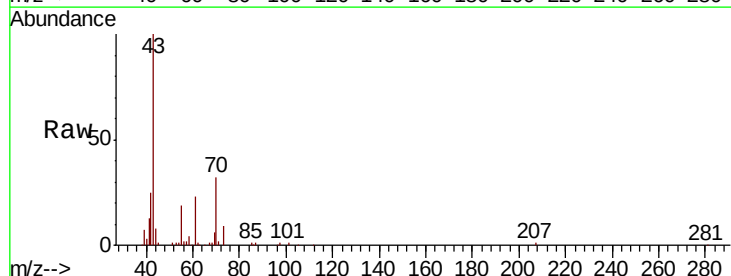
30000

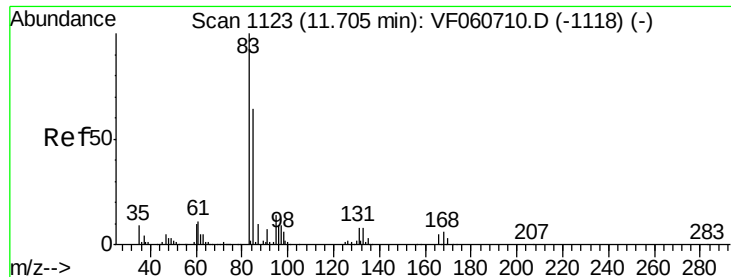
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.880 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

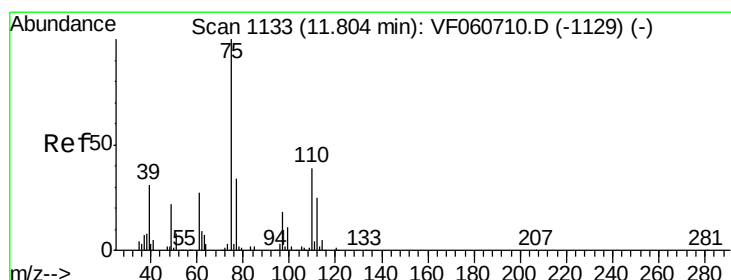
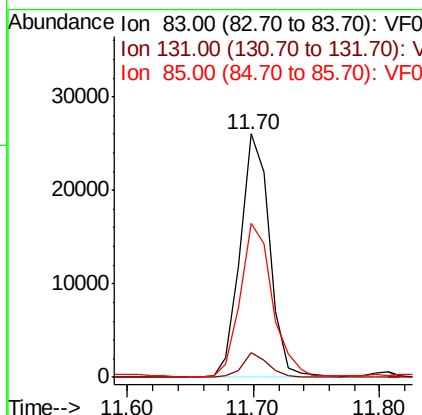
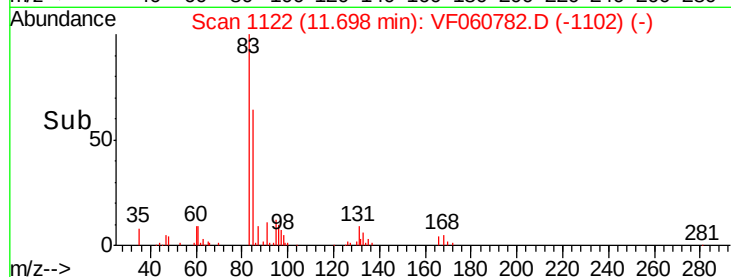
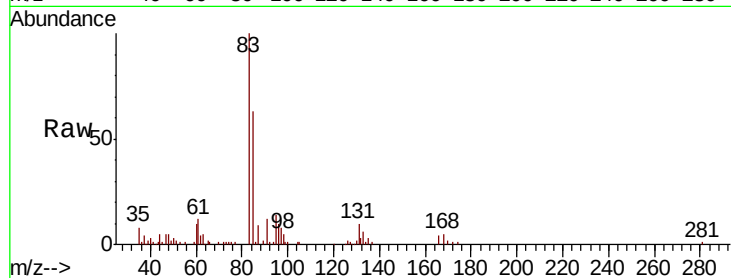
ClientSampleId :

VF1119SBS01

Tot Ion:	83	Resp:	42183
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.2	12.4
85	63.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.423 ug/l

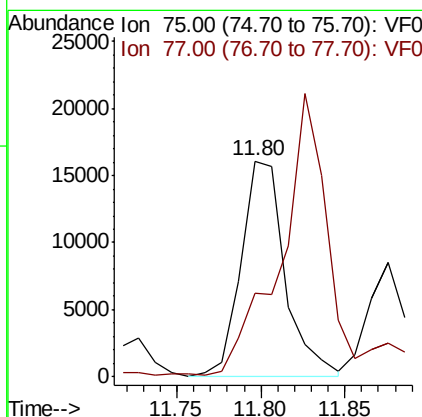
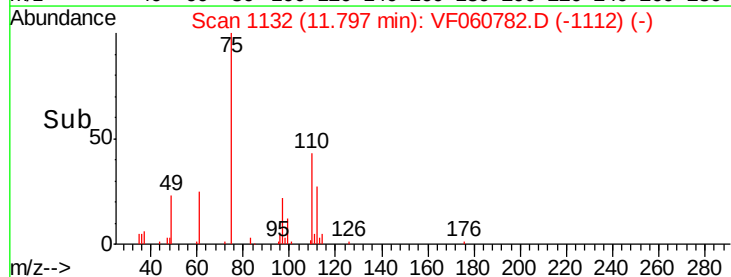
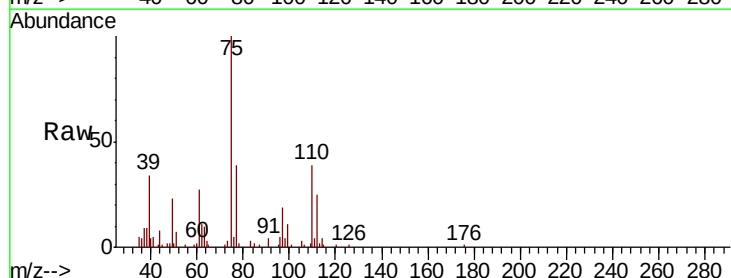
RT: 11.80 min Scan# 1132

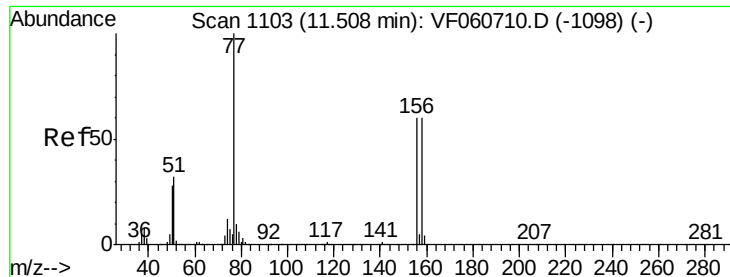
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion:	75	Resp:	29334
Ion Ratio	Lower	Upper	
75	100		
77	38.6	17.0	51.0





#77

Bromobenzene

Concen: 22.342 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

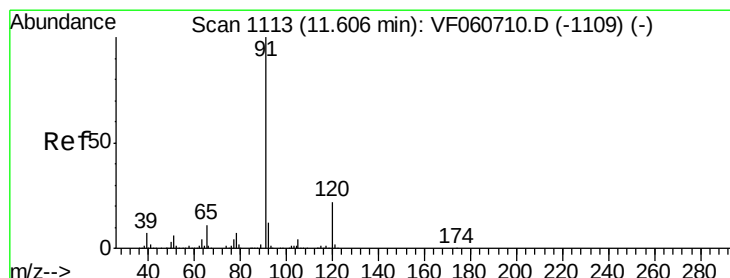
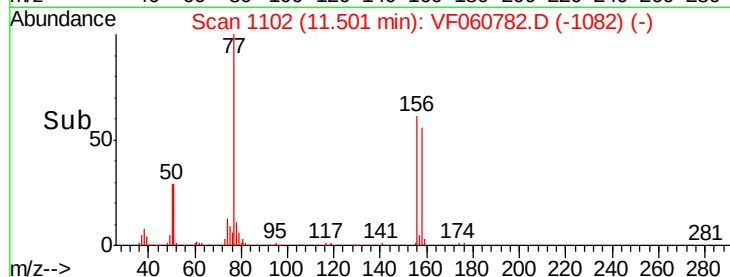
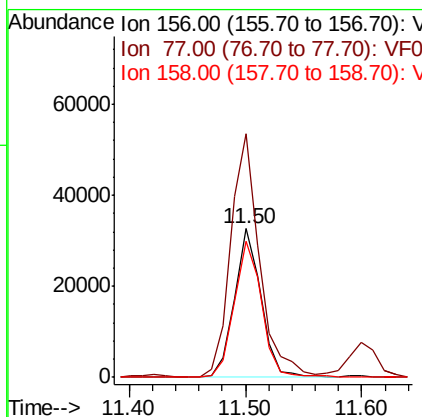
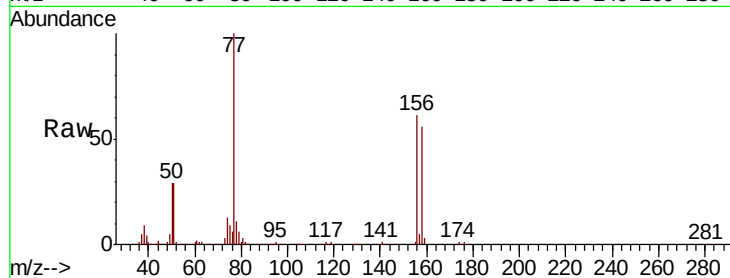
ClientSampleId :

VF1119SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	164.1	83.0	248.9	
158	92.1	49.6	149.0	

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#78

n-propylbenzene

Concen: 23.100 ug/l

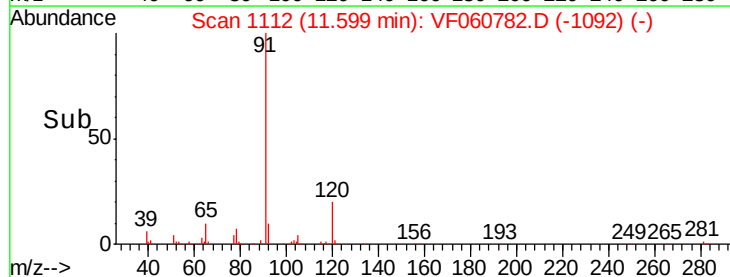
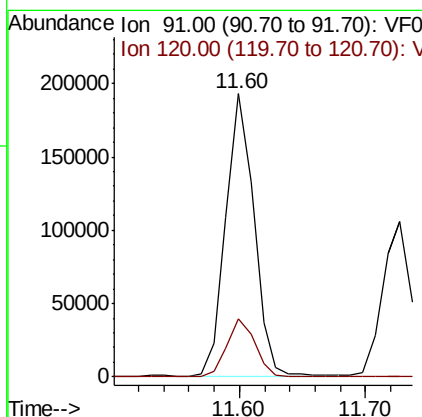
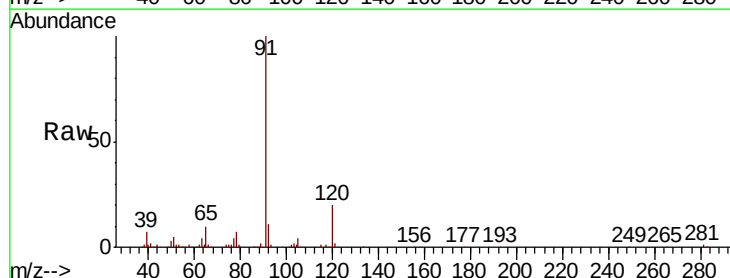
RT: 11.60 min Scan# 1112

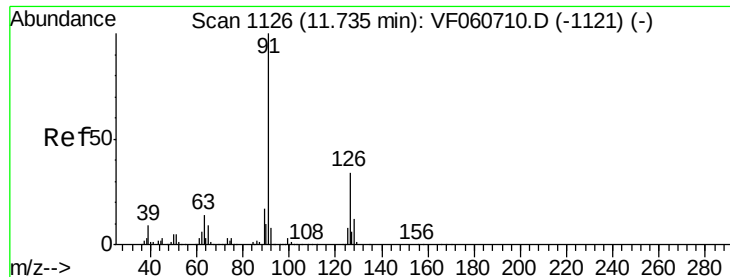
Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.5	11.2	33.5	





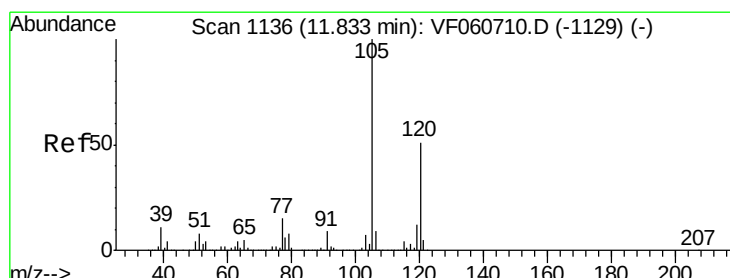
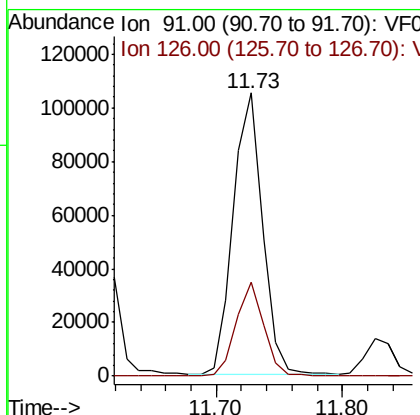
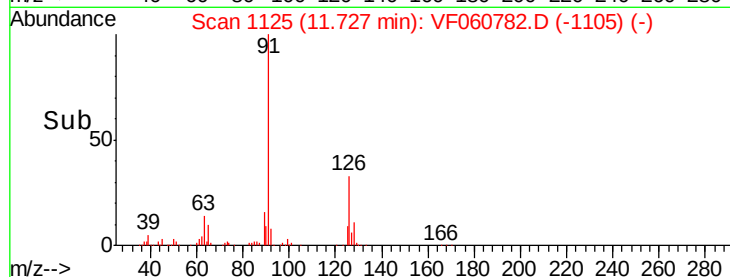
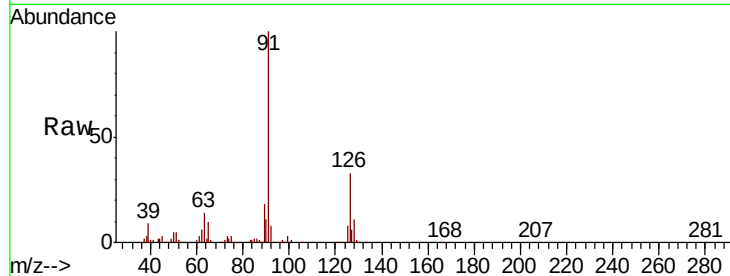
#79
 2-Chlorotoluene
 Concen: 22.212 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion: 91 Resp: 167900
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.8 50.4

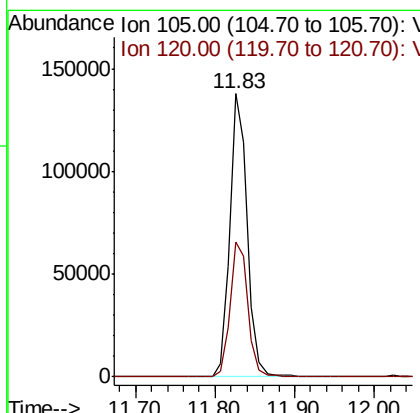
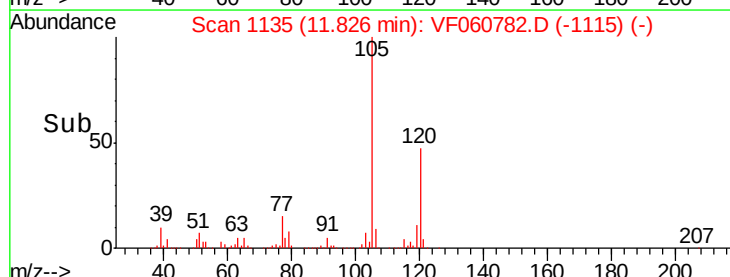
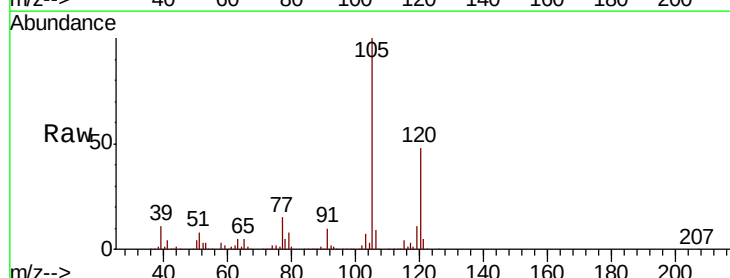
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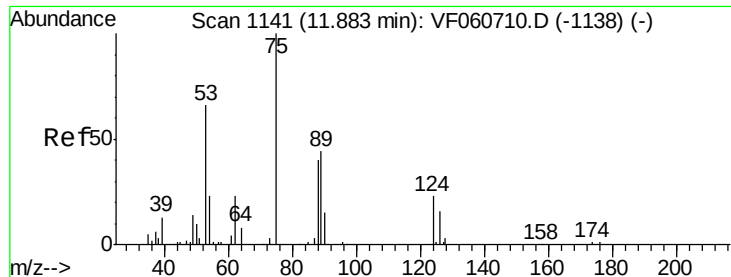
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.005 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion: 105 Resp: 212524
 Ion Ratio Lower Upper
 105 100
 120 47.8 25.6 76.8





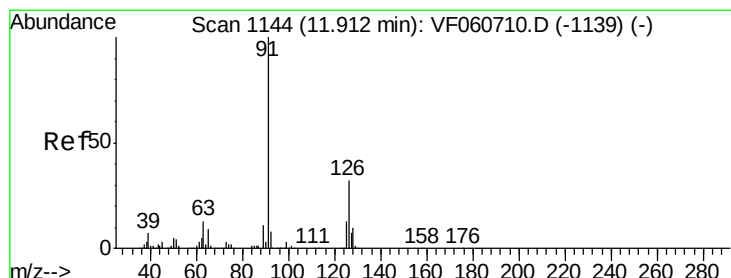
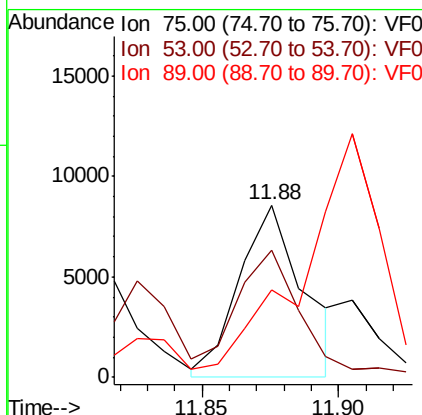
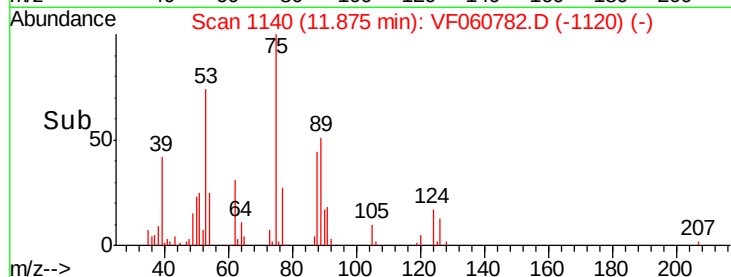
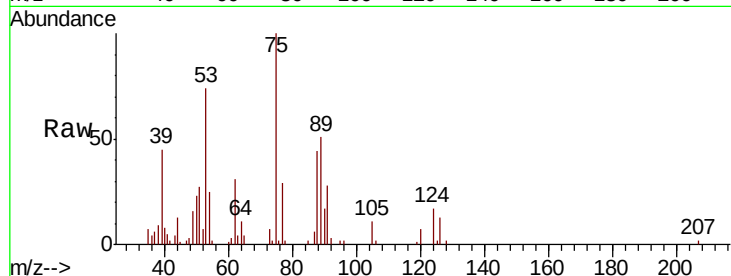
#81
trans-1,4-Dichloro-2-butene
Concen: 21.021 ug/l m
RT: 11.88 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	73.8	57.0	85.4
89	51.1	37.8	56.8

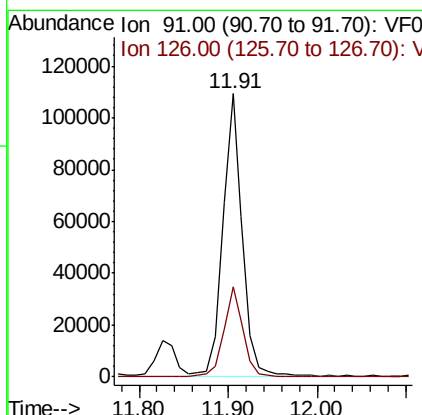
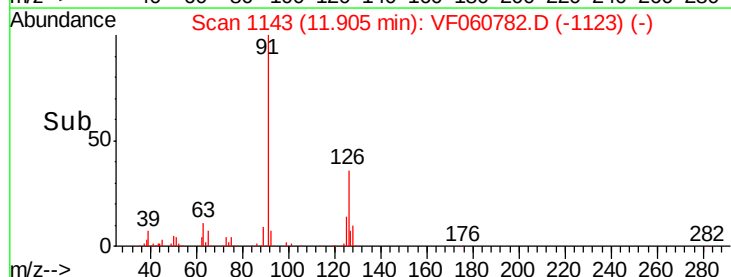
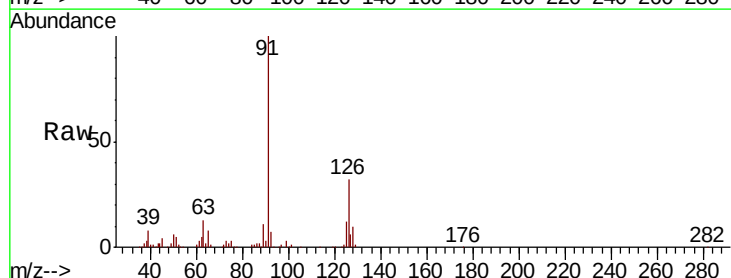
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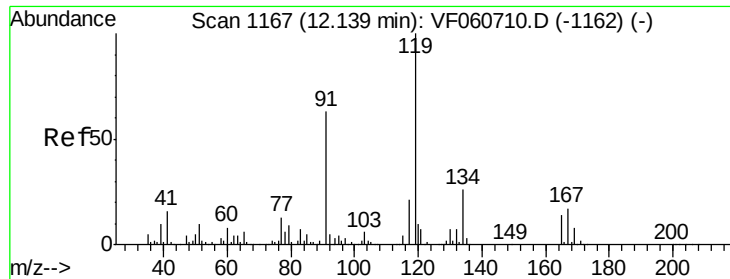
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#82
4-Chlorotoluene
Concen: 21.592 ug/l
RT: 11.91 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	47.9





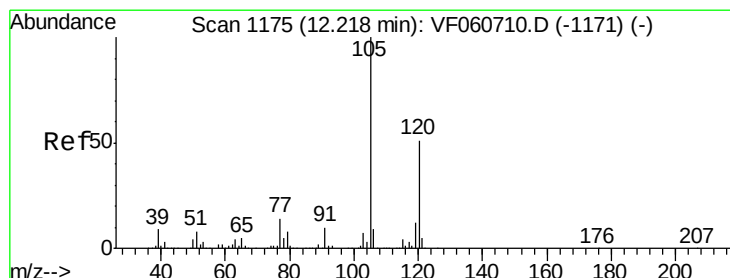
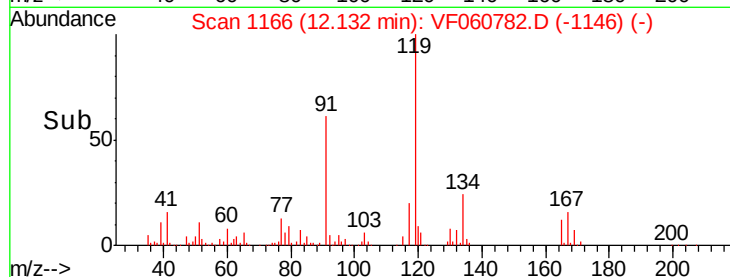
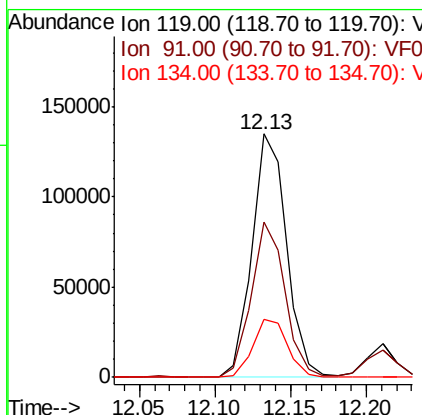
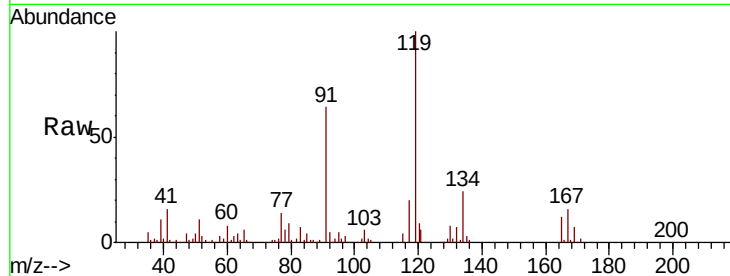
#83
 tert-Butylbenzene
 Concen: 22.912 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215383		
91	63.6		31.4	94.3
134	23.9		12.8	38.4

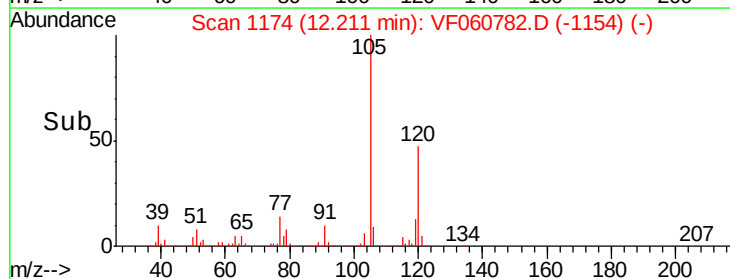
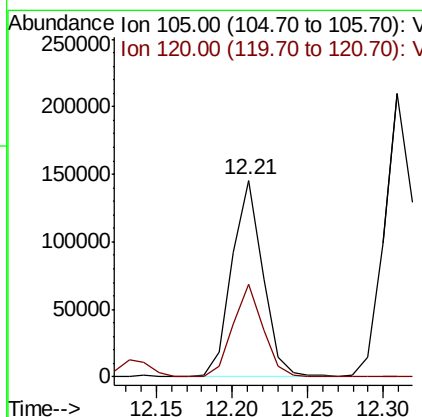
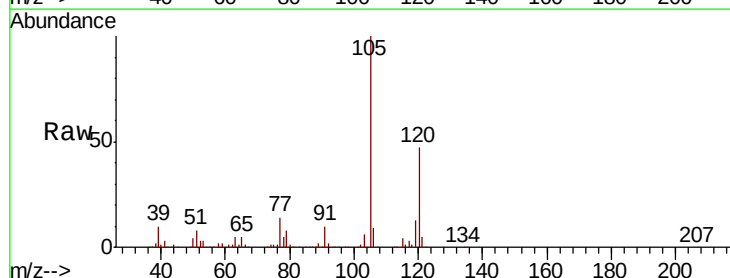
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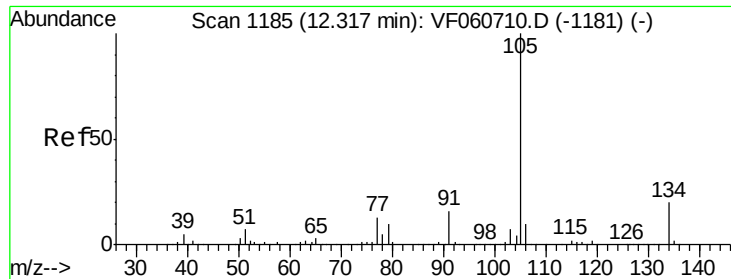
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.592 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206857		
120	47.3		25.5	76.5





#85

sec-Butylbenzene

Concen: 22.962 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:105 Resp: 292806

Ion Ratio Lower Upper

105 100

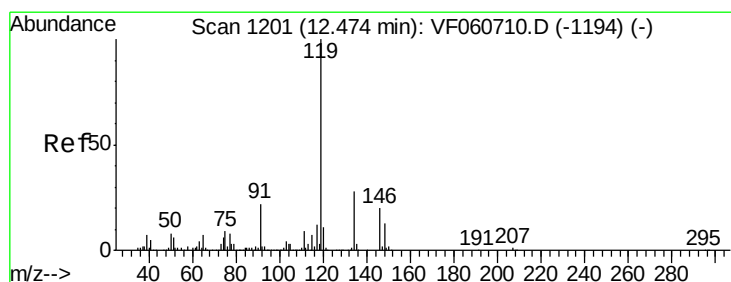
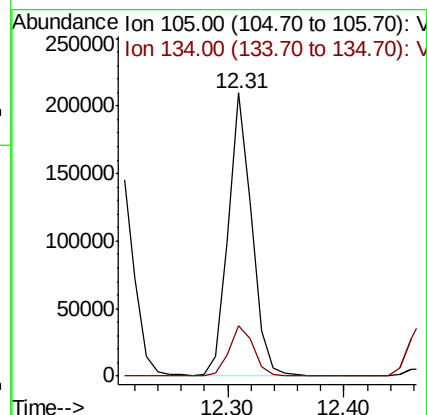
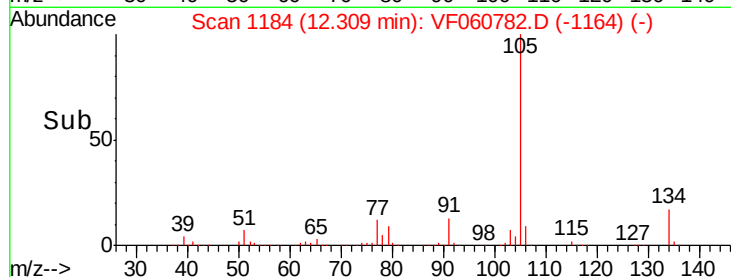
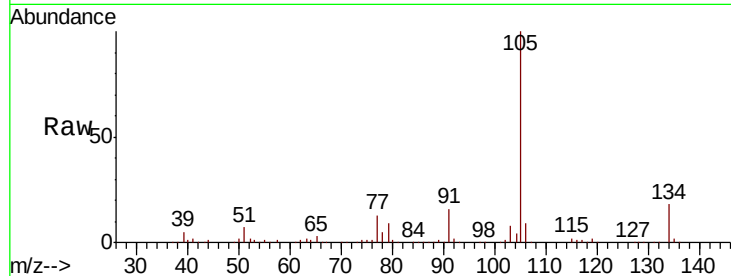
134 17.7 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.933 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

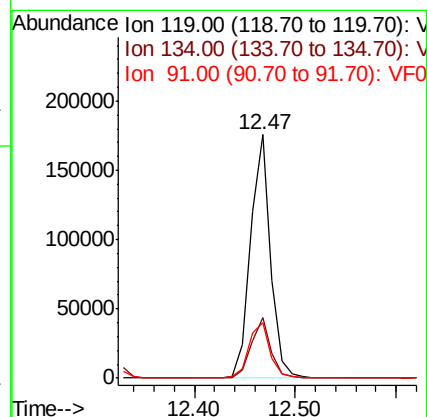
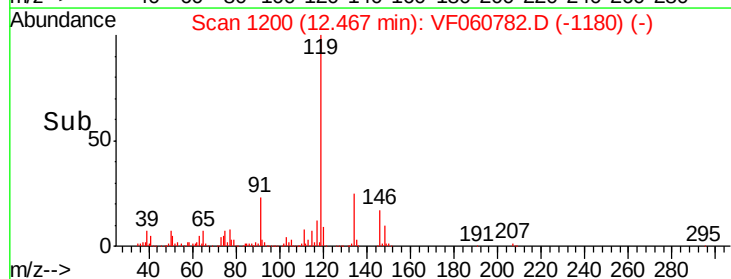
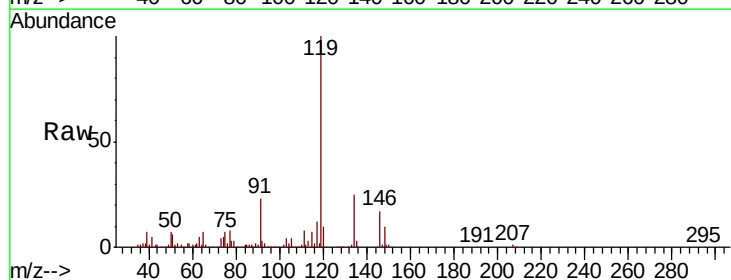
Tgt Ion:119 Resp: 244239

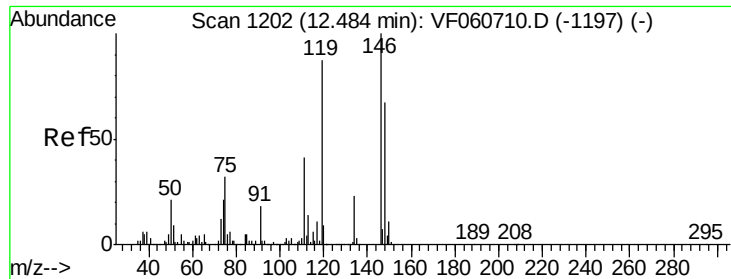
Ion Ratio Lower Upper

119 100

134 24.8 13.9 41.7

91 22.6 11.3 33.9





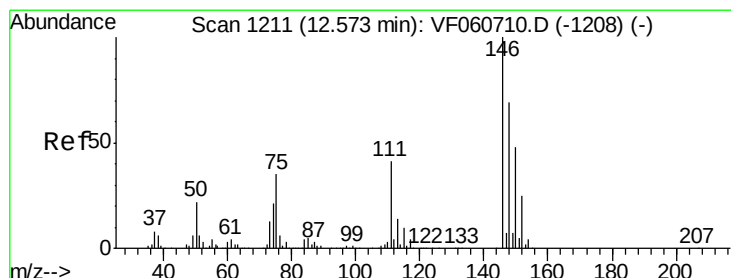
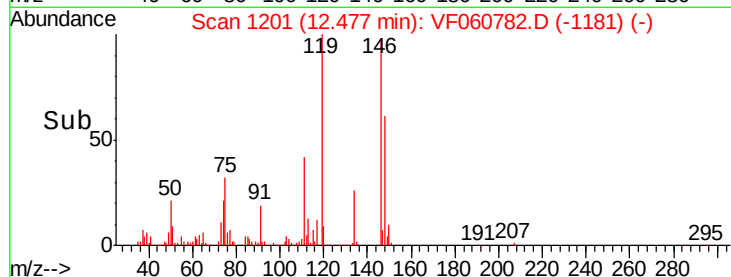
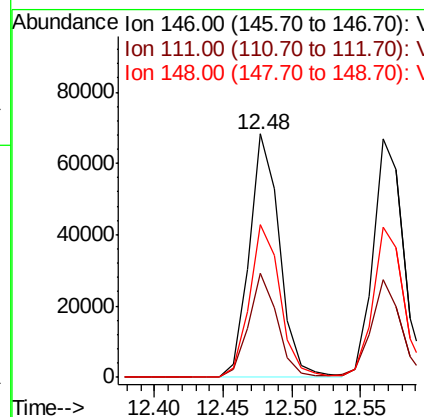
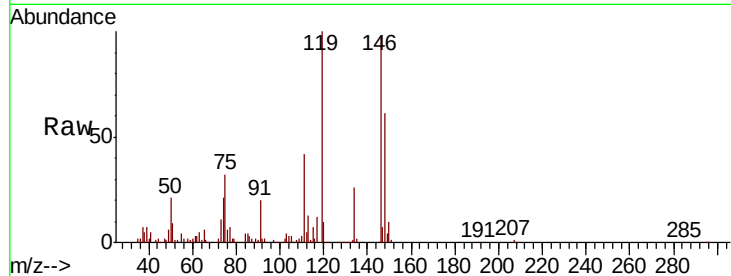
#87
 1,3-Dichlorobenzene
 Concen: 22.770 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.3	60.8
148	62.9	33.3	99.9

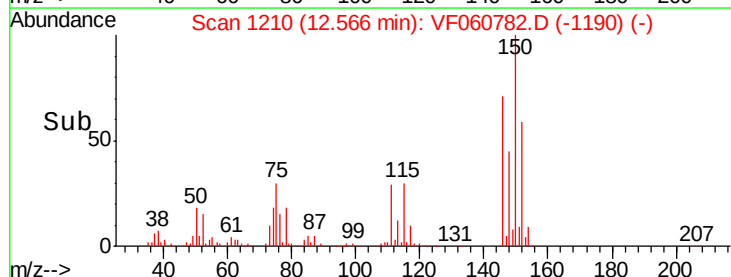
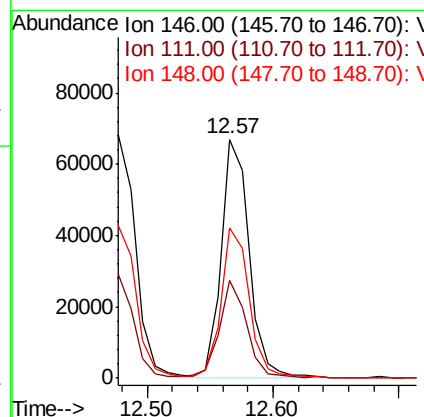
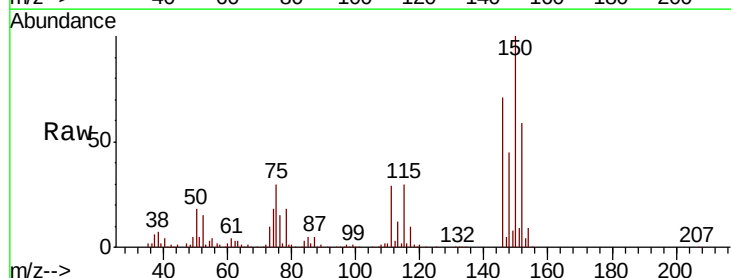
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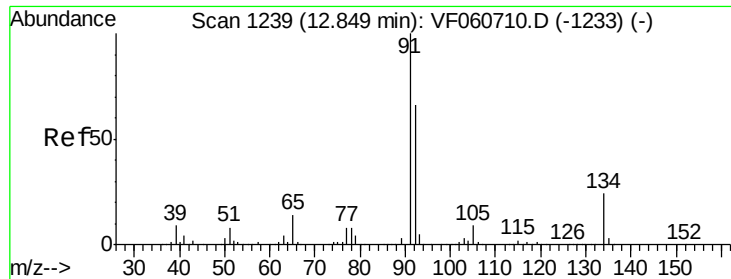
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#88
 1,4-Dichlorobenzene
 Concen: 23.201 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.9
148	62.8	34.7	104.1





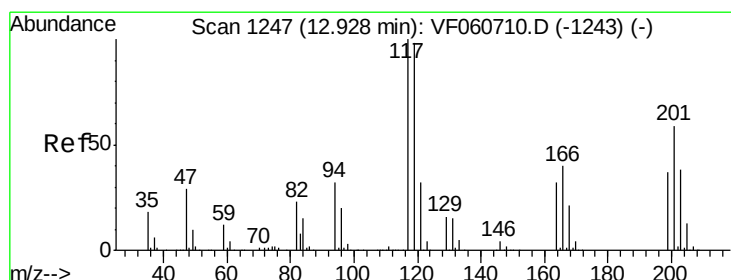
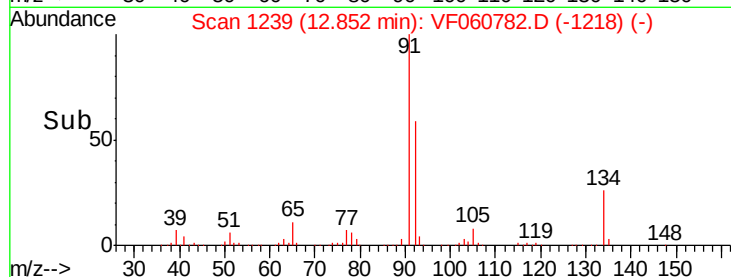
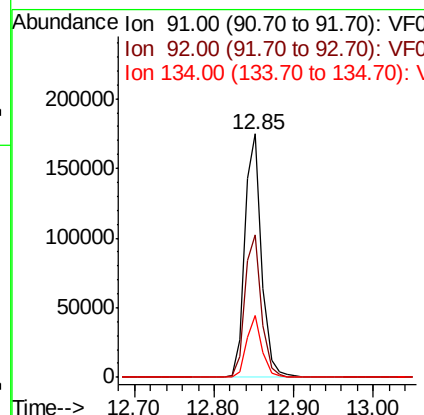
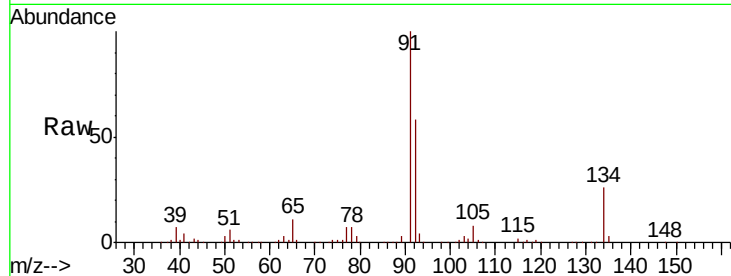
#89
n-Butylbenzene
Concen: 23.492 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	255325		
92	58.4	33.1	99.2	
134	25.6	11.9	35.9	

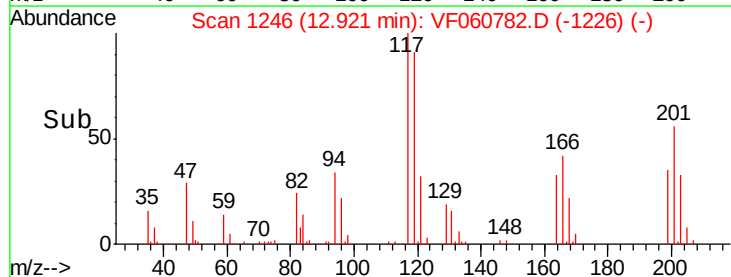
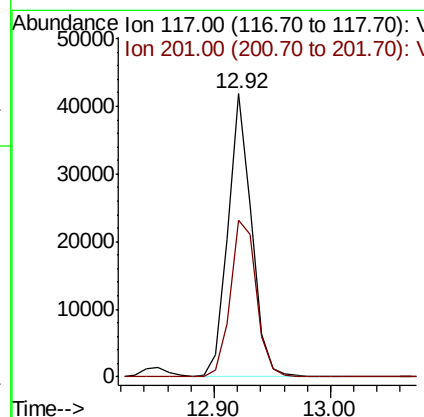
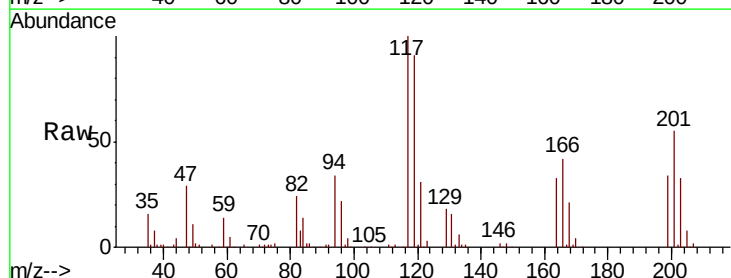
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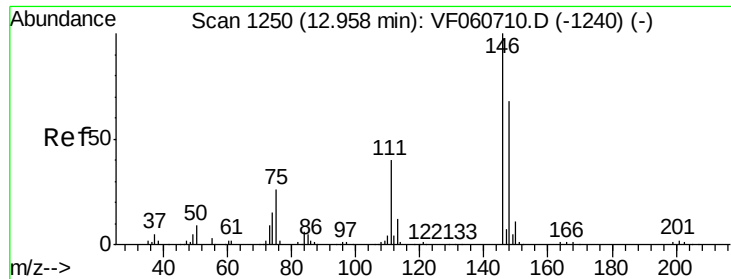
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#90
Hexachloroethane
Concen: 22.629 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	58947		
201	55.2	29.4	88.3	





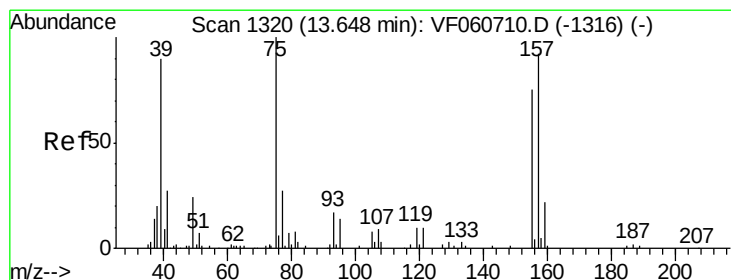
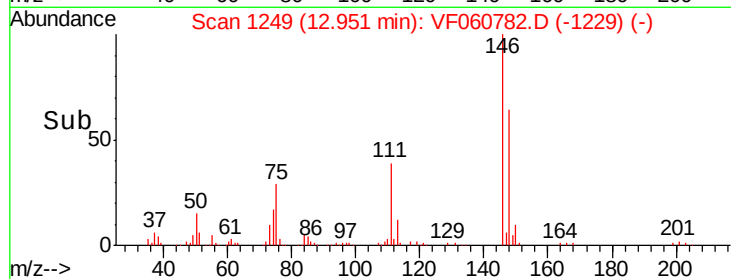
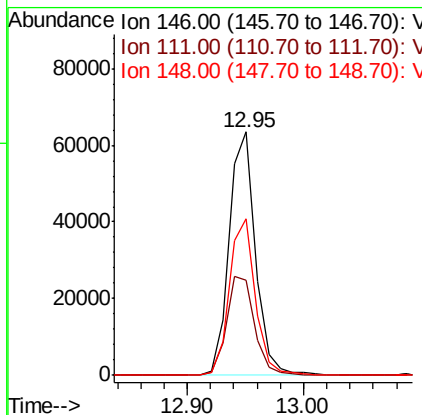
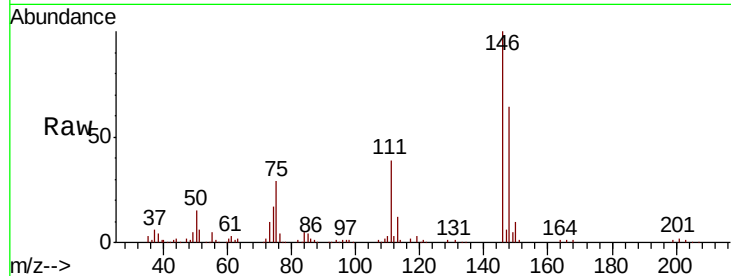
#91
 1,2-Dichlorobenzene
 Concen: 22.871 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	64.5	34.1	102.3

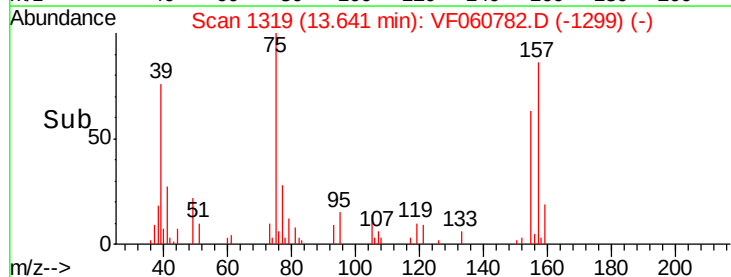
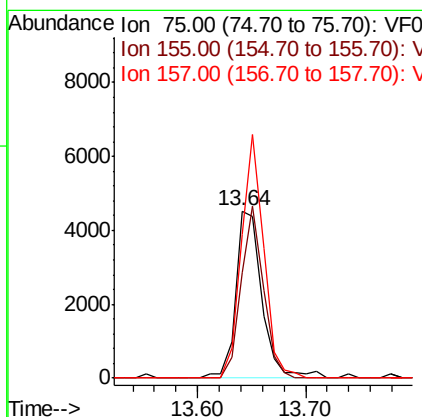
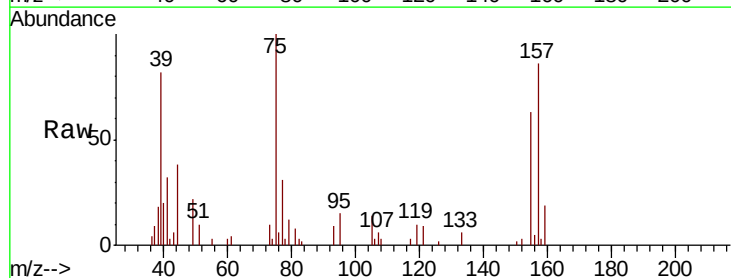
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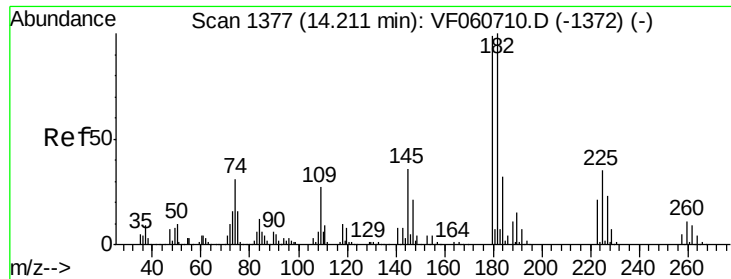
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.056 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.1	37.4	112.2
157	86.0	46.0	138.0





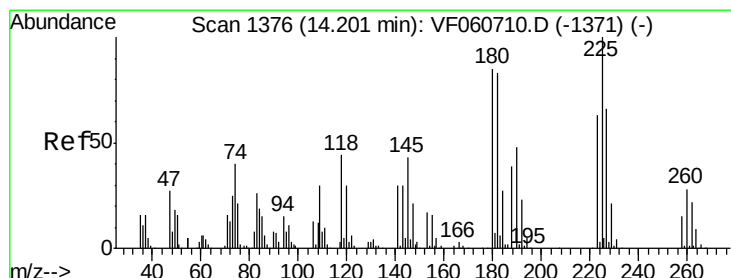
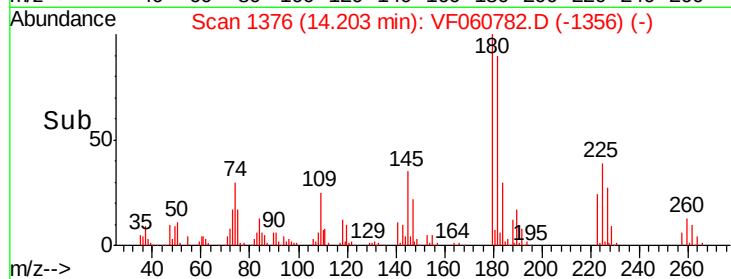
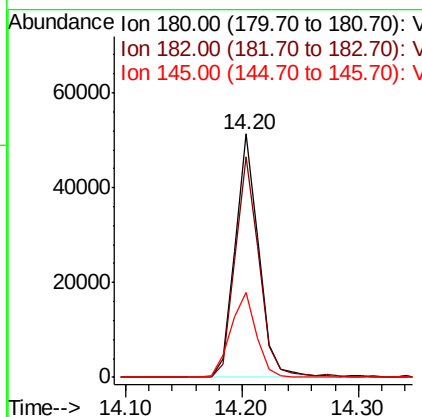
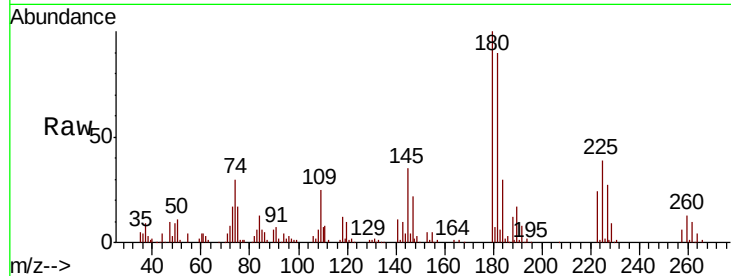
#93
 1,2,4-Trichlorobenzene
 Concen: 23.187 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72487		
182	90.4	50.3	151.0	
145	34.7	18.3	54.9	

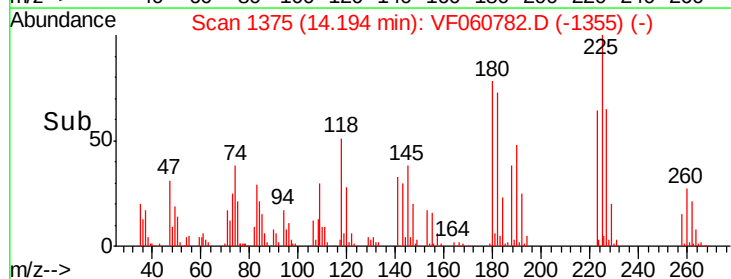
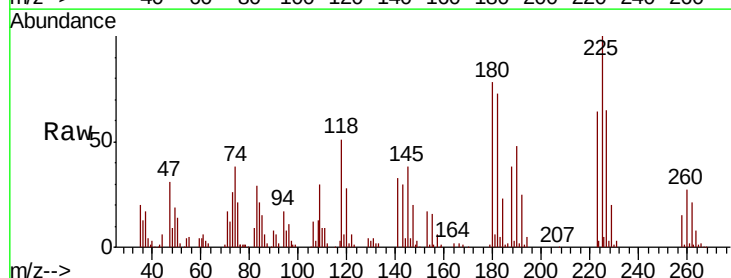
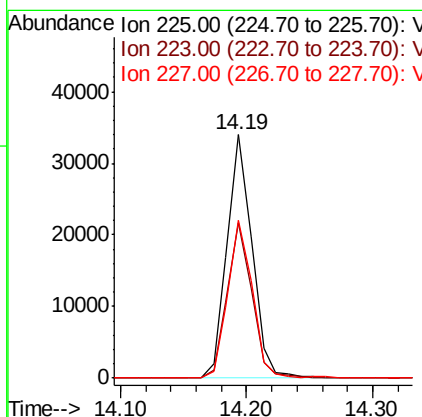
Manual Integrations
 APPROVED

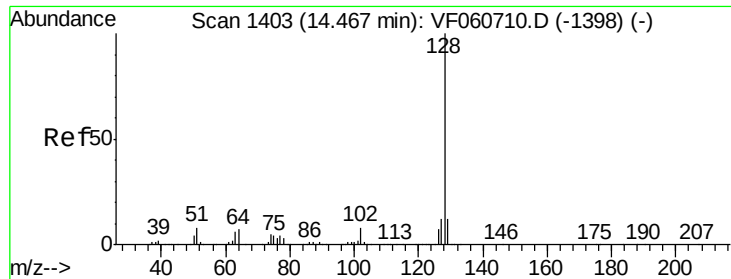
apatel
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#94
 Hexachlorobutadiene
 Concen: 22.775 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46526		
223	63.7	31.5	94.5	
227	64.7	33.0	99.0	





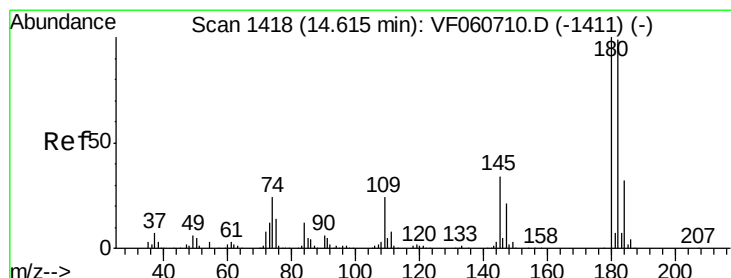
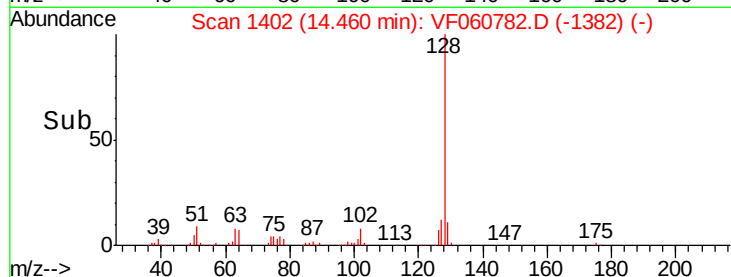
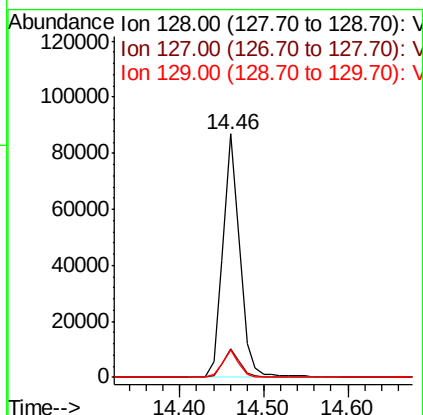
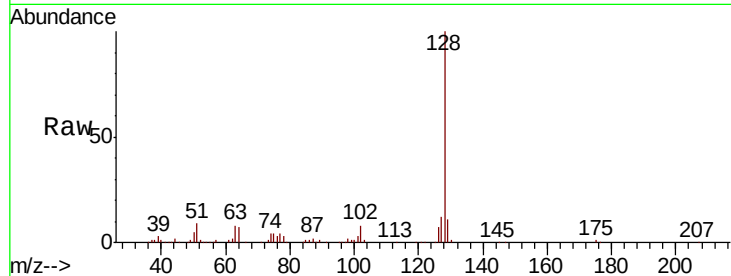
#95
Naphthalene
Concen: 21.548 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122915		
127	11.8		9.8	14.6
129	11.3		9.3	13.9

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.303 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64427		
182	97.7		49.6	149.0
145	36.4		16.9	50.7

