

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060936.D
 Acq On : 7 Dec 2018 18:07
 Operator : VA/AP
 Sample : VF1207SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

Manual Integrations
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 12/10/2018 4:38:07 PM

Quant Time: Dec 08 03:43:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	175806	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	297563	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	301777	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	152051	50.00	ug/l	-0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	123675	59.72	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	119.44%	
35) Dibromofluoromethane	4.09	113	132187	56.00	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	112.00%	
50) Toluene-d8	7.53	98	351644	50.57	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.40	95	170636	53.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	107.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	58381	22.209	ug/l	98
3) Chloromethane	1.11	50	37106	21.693	ug/l	100
4) Vinyl Chloride	1.13	62	36211	22.695	ug/l	90
5) Bromomethane	1.33	94	26906	23.915	ug/l	99
6) Chloroethane	1.41	64	15735	22.814	ug/l	100
7) Trichlorofluoromethane	1.47	101	81405m	23.779	ug/l	
8) Diethyl Ether	1.63	74	10926	22.195	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42764	24.709	ug/l	93
10) Methyl Iodide	1.90	142	61575m	23.407	ug/l	
11) Tert butyl alcohol	2.56	59	9394	110.651	ug/l	95
12) 1,1-Dichloroethene	1.79	96	31539	22.657	ug/l	81
13) Acrolein	1.99	56	7367m	91.587	ug/l	
14) Allyl chloride	2.08	41	36106	20.810	ug/l	98
15) Acrylonitrile	2.93	53	21972	115.439	ug/l #	91
16) Acetone	2.23	43	48840	127.882	ug/l	99
17) Carbon Disulfide	1.83	76	88027m	23.584	ug/l	
18) Methyl Acetate	2.34	43	19686	30.066	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	72867	23.241	ug/l	100
20) Methylene Chloride	2.25	84	33827m	24.144	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	32084m	23.907	ug/l	
22) Diisopropyl ether	2.79	45	110096	23.312	ug/l	98
23) Vinyl Acetate	3.17	43	274938	127.354	ug/l	98
24) 1,1-Dichloroethane	2.86	63	67621	24.065	ug/l	98
25) 2-Butanone	4.32	43	78678	119.105	ug/l	95
26) 2,2-Dichloropropane	3.58	77	40271	22.106	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	51840	23.727	ug/l	95
28) Bromochloromethane	3.70	49	35030	25.976	ug/l	90
29) Tetrahydrofuran	4.05	42	30491	108.893	ug/l	98
30) Chloroform	3.85	83	100240	23.179	ug/l	90
31) Cyclohexane	3.67	56	69698m	23.901	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	59762	19.926	ug/l	91
36) 1,1-Dichloropropene	4.26	75	75421	22.852	ug/l	94
37) Ethyl Acetate	4.09	43	29581	22.055	ug/l #	90
38) Carbon Tetrachloride	3.96	117	59161	20.294	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.43	83	81153m	23.463	ug/l	
40) Benzene	4.61	78	163412	22.412	ug/l	98
41) Methacrylonitrile	4.73	41	15732	20.355	ug/l	92
42) 1,2-Dichloroethane	4.92	62	59858	22.487	ug/l	97
43) Isopropyl Acetate	6.95	43	41366	23.559	ug/l #	86
44) Trichloroethene	5.48	130	51973	21.800	ug/l	98
45) 1,2-Dichloropropane	6.21	63	41518	21.925	ug/l	100
46) Dibromomethane	6.07	93	28375	22.089	ug/l	94
47) Bromodichloromethane	6.37	83	78029	22.870	ug/l	91
48) Methyl methacrylate	6.71	41	25579	21.069	ug/l	96
49) 1,4-Dioxane	6.70	88	4030	453.564	ug/l #	92
51) 4-Methyl-2-Pentanone	8.25	43	139162	112.516	ug/l	100
52) Toluene	7.60	92	103943	20.295	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	63137	22.750	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	78679	22.900	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	33526	22.465	ug/l	94
56) Ethyl methacrylate	8.60	69	36648	22.106	ug/l	97
57) 1,3-Dichloropropane	8.84	76	58460	22.390	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	28477	167.935	ug/l	96
59) 2-Hexanone	9.48	43	94165	108.522	ug/l	97
60) Dibromochloromethane	8.70	129	47462	21.345	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35106	21.775	ug/l	100
64) Tetrachloroethene	8.14	164	45709	19.831	ug/l	97
65) Chlorobenzene	9.78	112	127271	21.679	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	51610	20.449	ug/l	93
67) Ethyl Benzene	9.88	91	235743	21.569	ug/l	96
68) m/p-Xylenes	10.11	106	168374	42.833	ug/l	94
69) o-Xylene	10.70	106	91249	21.051	ug/l	93
70) Styrene	10.78	104	116628	19.410	ug/l	97
71) Bromoform	10.76	173	24843	20.379	ug/l #	94
73) Isopropylbenzene	11.12	105	282167	23.483	ug/l	99
74) N-amyl acetate	11.36	43	62970	22.695	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	47527	24.033	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	34920m	24.294	ug/l	
77) Bromobenzene	11.48	156	57161	21.698	ug/l	78
78) n-propylbenzene	11.58	91	322113	22.891	ug/l	98
79) 2-Chlorotoluene	11.71	91	190974	23.669	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	229192	23.496	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	14593m	20.720	ug/l	
82) 4-Chlorotoluene	11.88	91	193155	22.748	ug/l	98
83) tert-Butylbenzene	12.12	119	230168	23.164	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	221667	22.769	ug/l	94
85) sec-Butylbenzene	12.30	105	306262	22.515	ug/l	98
86) p-Isopropyltoluene	12.45	119	256539	22.495	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	107415	21.436	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	104411	21.381	ug/l	96
89) n-Butylbenzene	12.83	91	270778	23.482	ug/l	97
90) Hexachloroethane	12.91	117	62057	22.598	ug/l	74
91) 1,2-Dichlorobenzene	12.93	146	106536	22.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8422	22.028	ug/l	85

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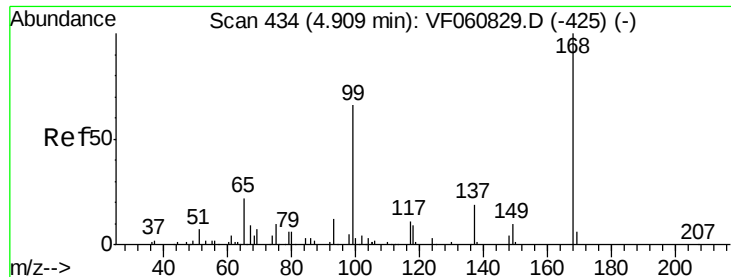
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	75538	22.782	ug/l	96
94) Hexachlorobutadiene	14.18	225	48551	21.966	ug/l	99
95) Naphthalene	14.45	128	127214	17.493	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70429	22.877	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 168 Resp: 175806

Ion Ratio Lower Upper

168 100

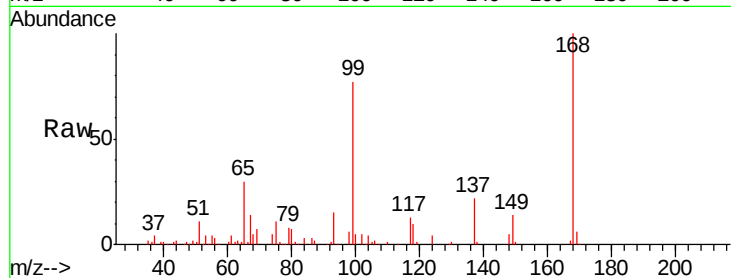
99 77.0 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

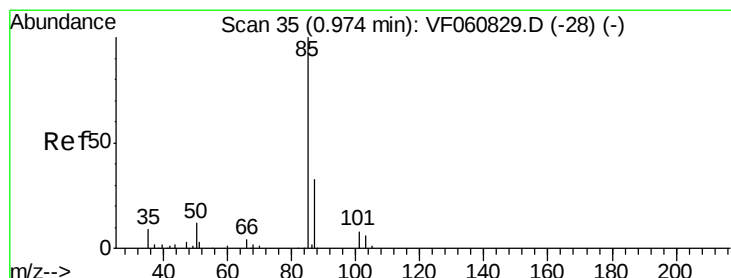
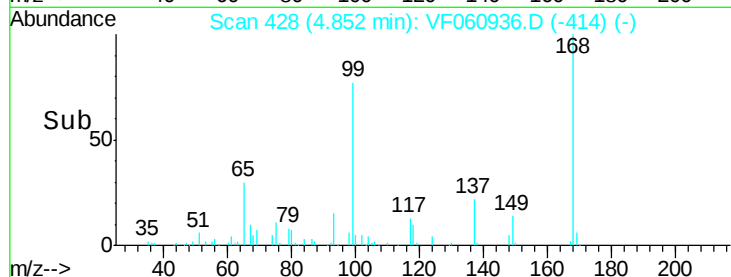
20000

10000

0

4.80 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.209 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060936.D

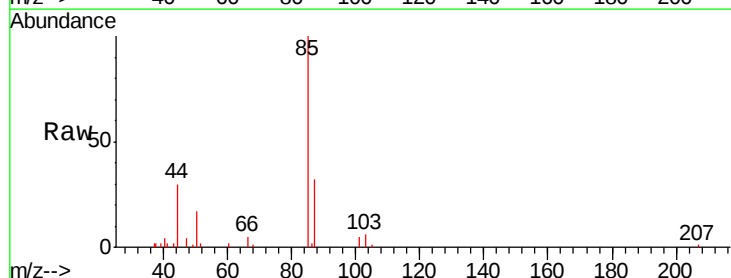
Acq: 7 Dec 2018 18:07

Tgt Ion: 85 Resp: 58381

Ion Ratio Lower Upper

85 100

87 32.0 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

15000

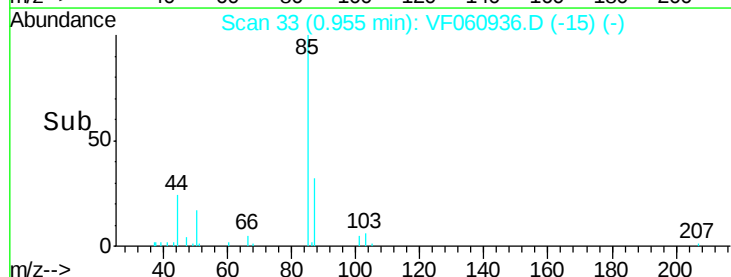
10000

5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 21.693 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 50 Resp: 37106

Ion Ratio Lower Upper

50 100

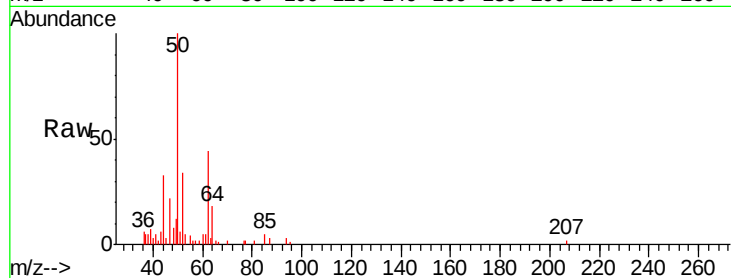
52 33.8 27.0 40.4

Manual Integrations

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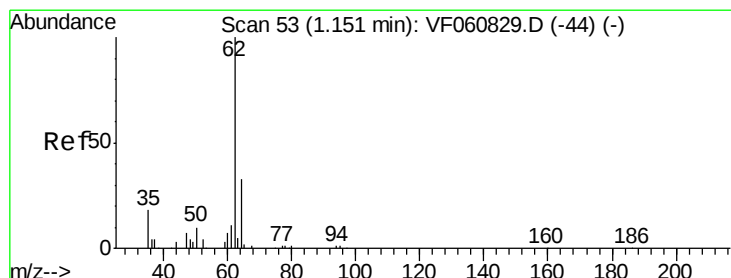
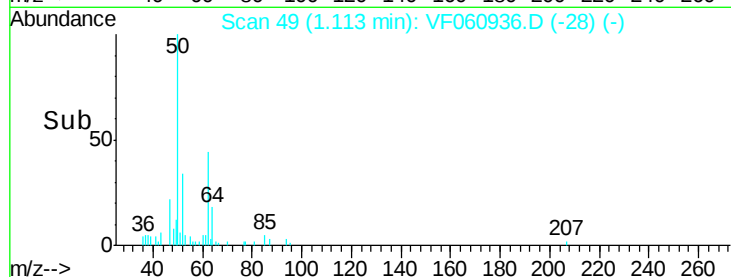
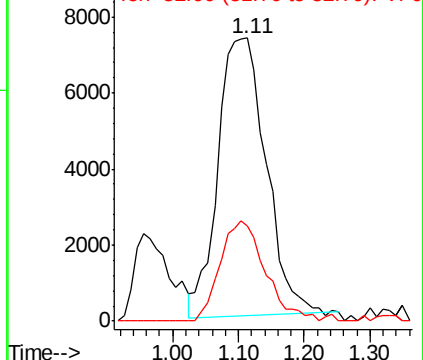
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.695 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060936.D

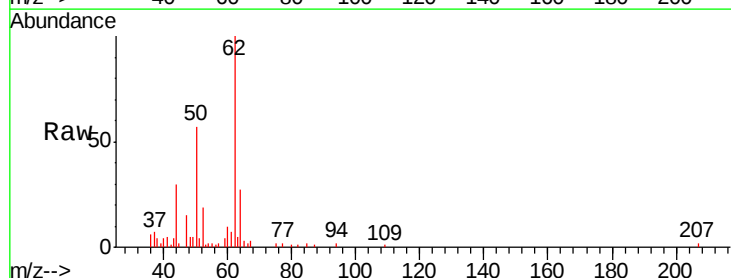
Acq: 7 Dec 2018 18:07

Tgt Ion: 62 Resp: 36211

Ion Ratio Lower Upper

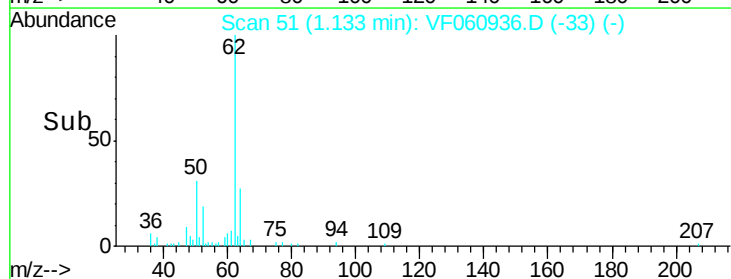
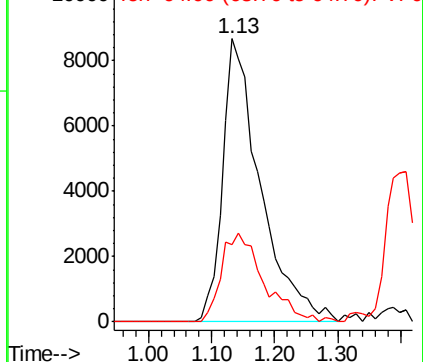
62 100

64 27.1 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 23.915 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 94 Resp: 26906

Ion Ratio Lower Upper

94 100

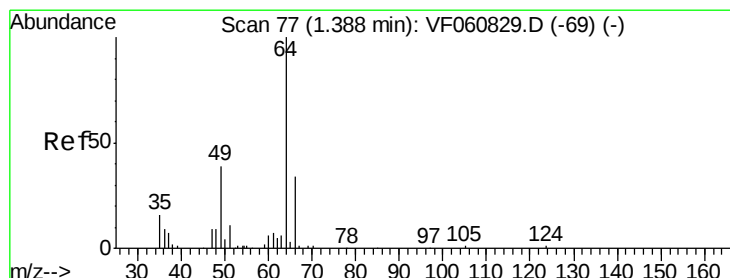
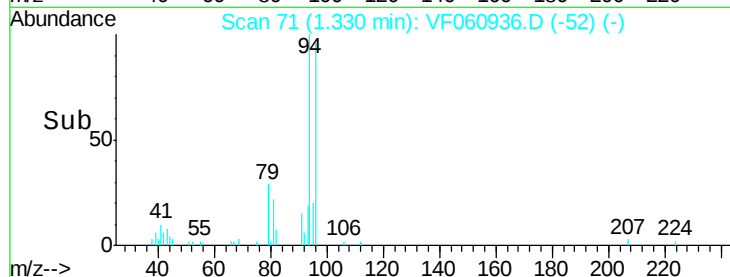
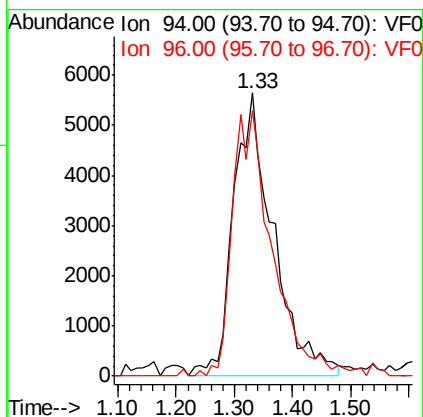
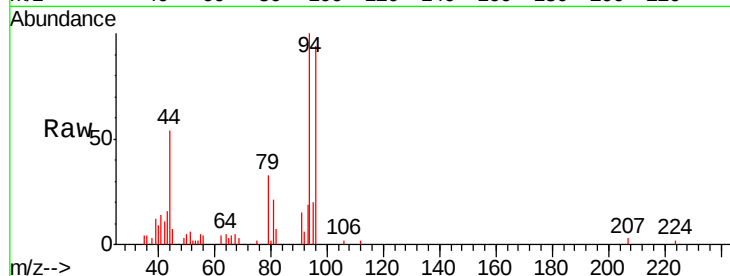
96 93.8 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 22.814 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060936.D

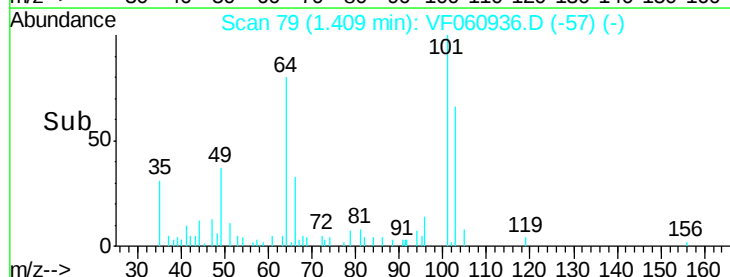
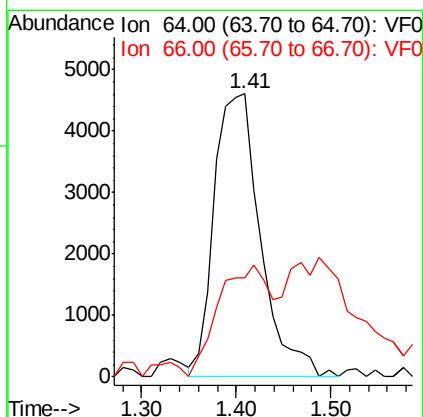
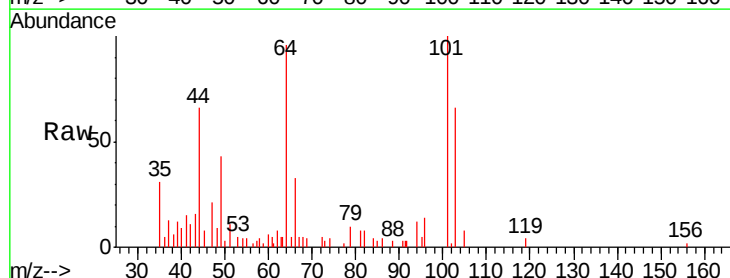
Acq: 7 Dec 2018 18:07

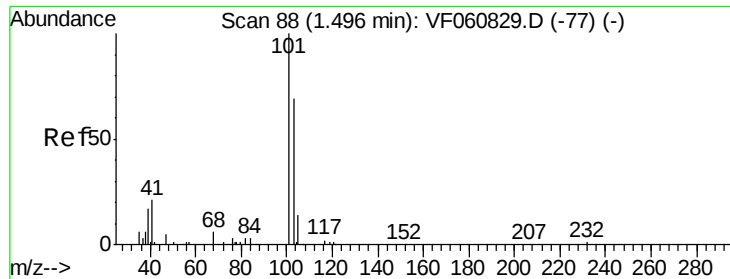
Tgt Ion: 64 Resp: 15735

Ion Ratio Lower Upper

64 100

66 34.8 28.1 42.1





#7

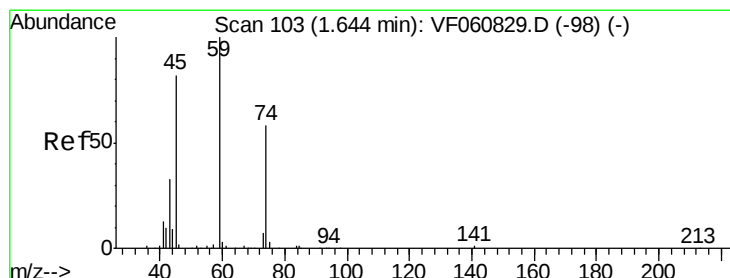
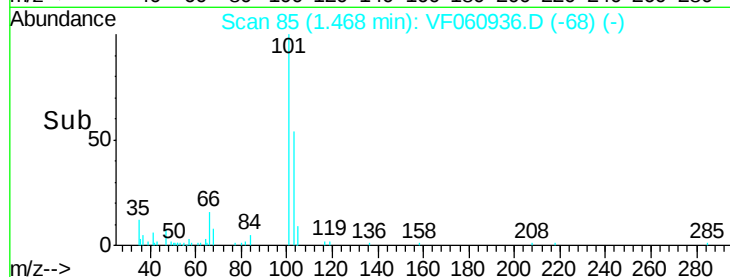
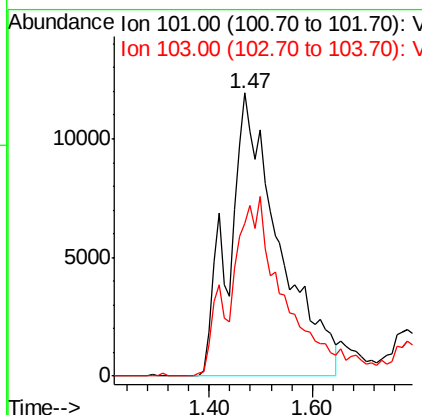
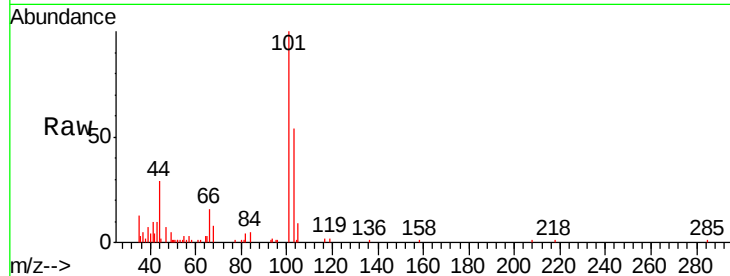
Trichlorofluoromethane
Concen: 23.779 ug/l m
RT: 1.47 min Scan# 85
Delta R.T. -0.03 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	54.2	55.4	83.0#

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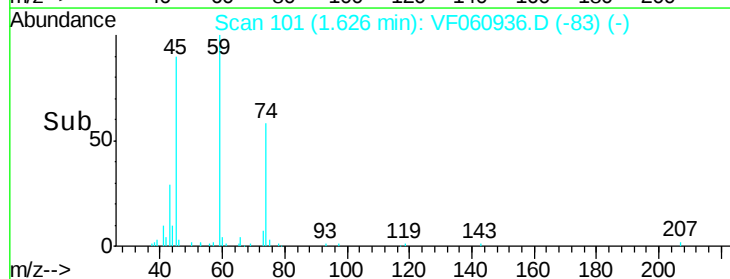
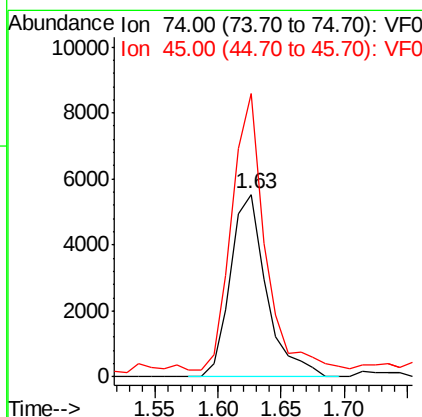
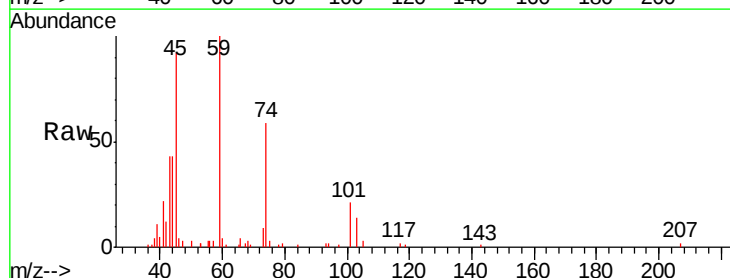
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#8

Diethyl Ether
Concen: 22.195 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	155.3	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.709 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

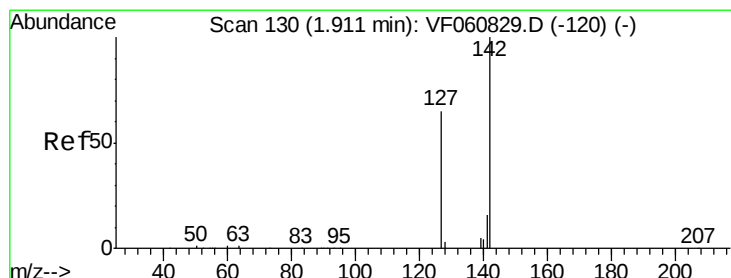
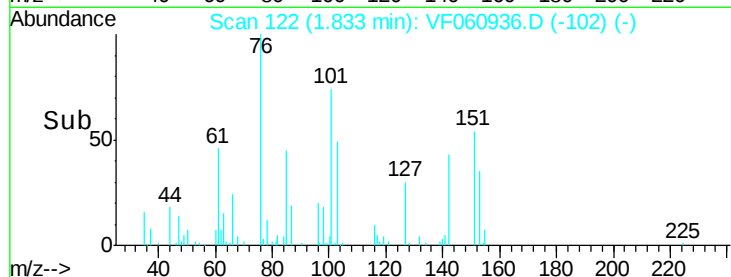
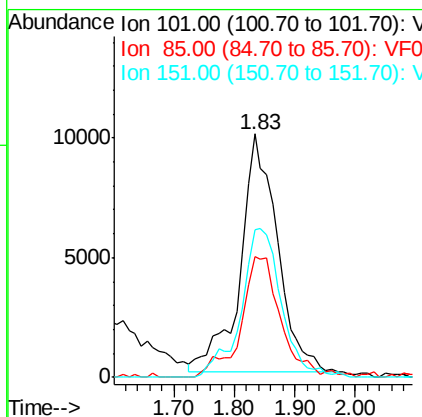
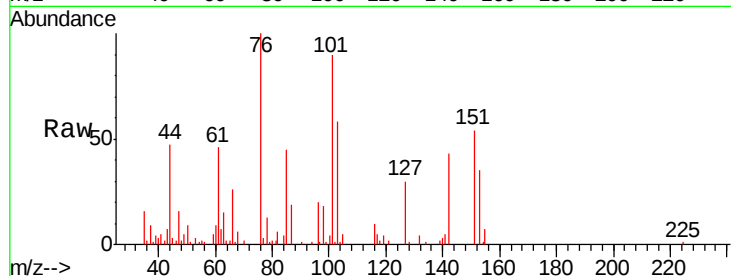
ClientSampleId :

VF1207SBS01

Tgt Ion:	101	Resp:	42764
Ion Ratio	Lower	Upper	
101	100		
85	49.8	42.8	64.2
151	60.5	54.4	81.6

Manual Integrations
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#10

Methyl Iodide

Concen: 23.407 ug/l m

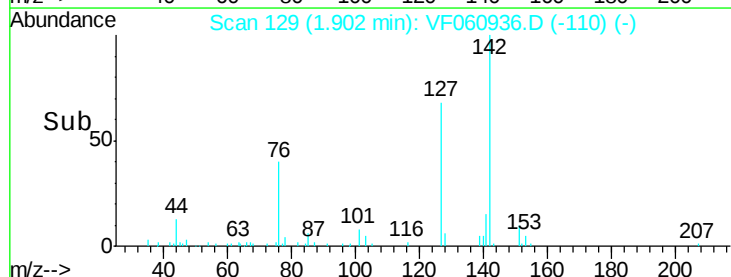
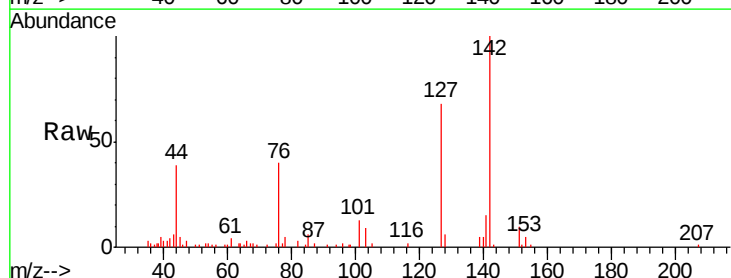
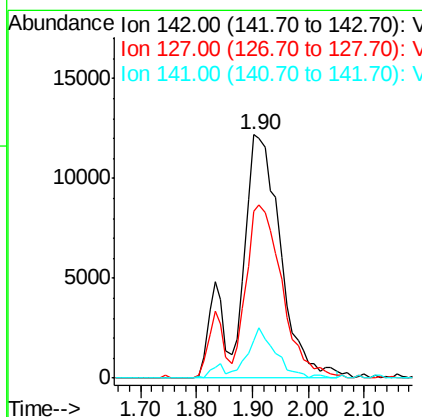
RT: 1.90 min Scan# 129

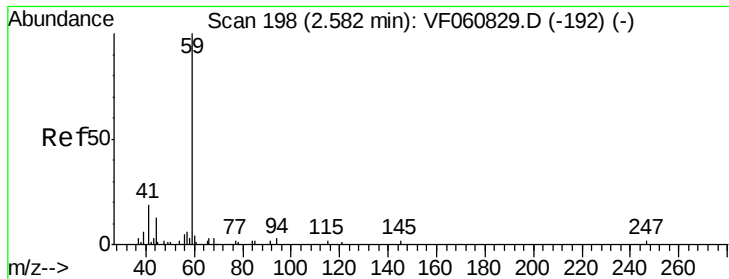
Delta R.T. -0.01 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	142	Resp:	61575
Ion Ratio	Lower	Upper	
142	100		
127	68.3	51.9	77.9
141	15.5	12.7	19.1





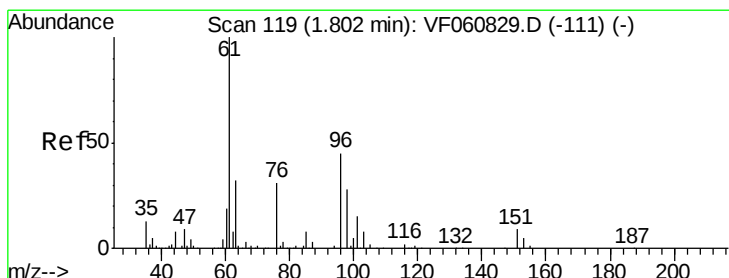
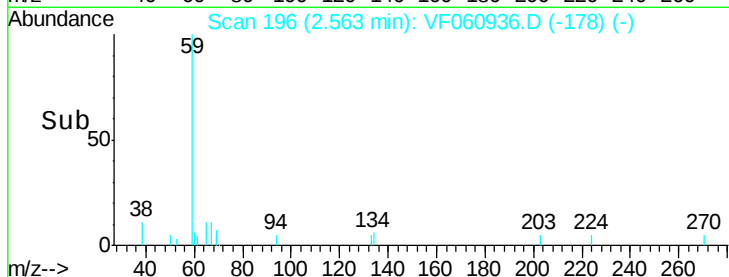
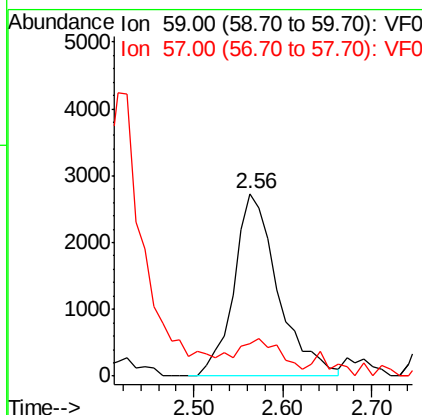
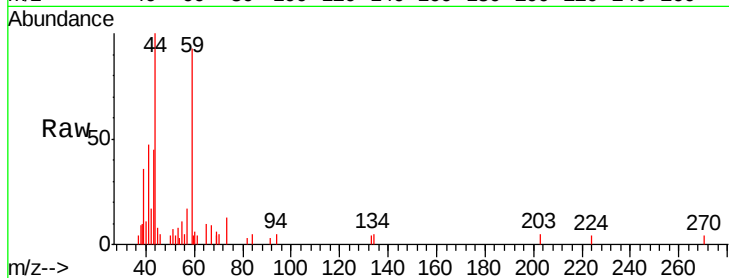
#11
Tert butyl alcohol
Concen: 110.651 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 59 Resp: 9394
Ion Ratio Lower Upper
59 100
57 18.1 12.7 19.1

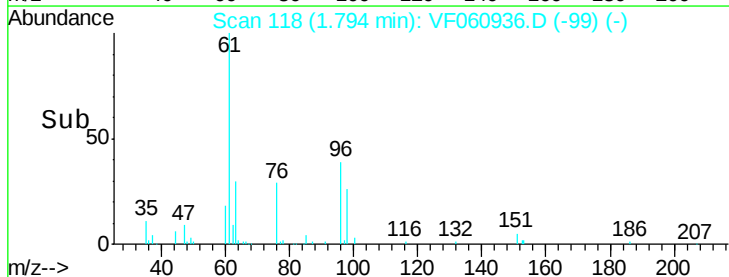
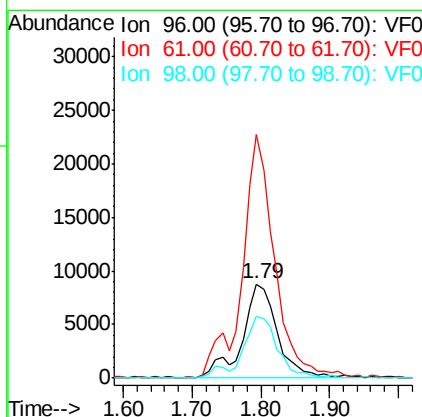
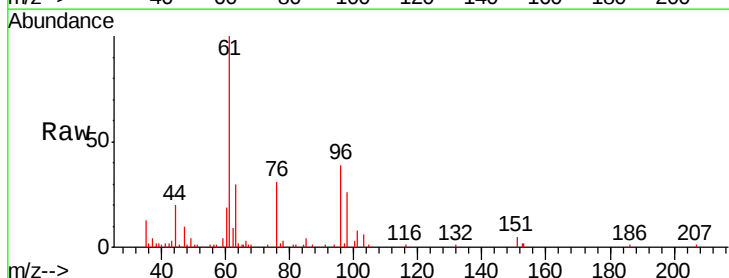
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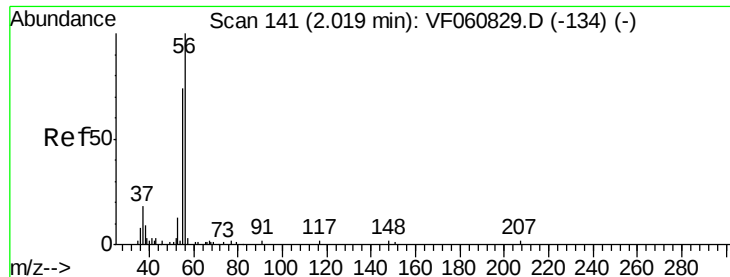
apatel
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#12
1,1-Dichloroethene
Concen: 22.657 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 96 Resp: 31539
Ion Ratio Lower Upper
96 100
61 258.0 177.3 265.9
98 66.2 49.6 74.4





#13

Acrolein

Concen: 91.587 ug/l m

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion: 56 Resp: 7367

Ion Ratio Lower Upper

56 100

55 86.2 61.2 91.8

Instrument :

MSVOA_F

ClientSampleId :

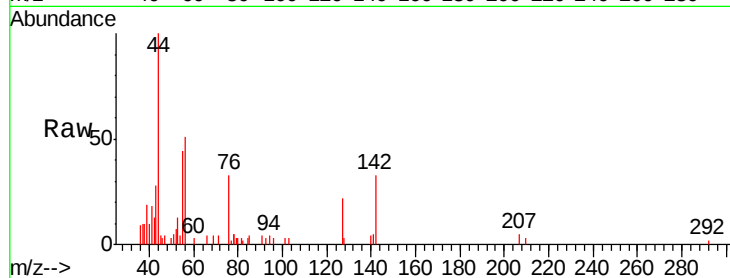
VF1207SBS01

Manual Integrations

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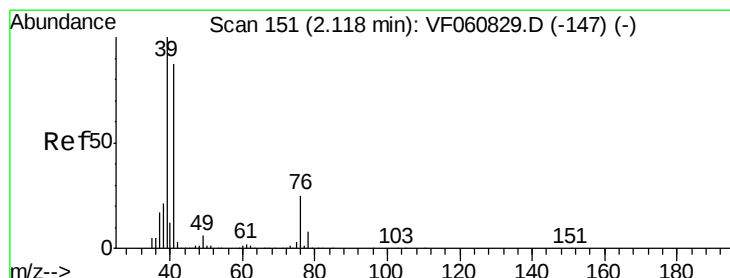
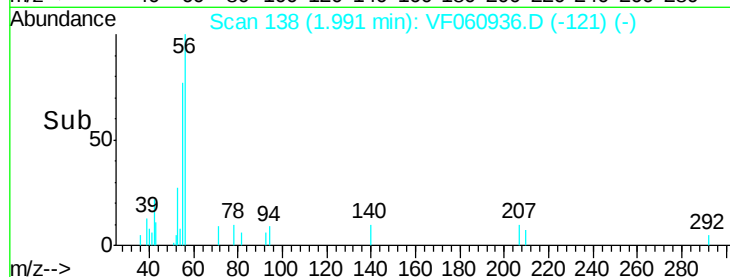
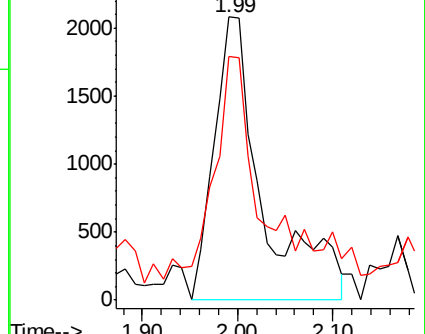
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.810 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

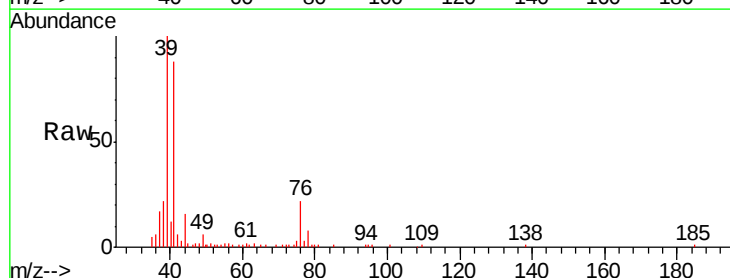
Tgt Ion: 41 Resp: 36106

Ion Ratio Lower Upper

41 100

39 114.1 91.7 137.5

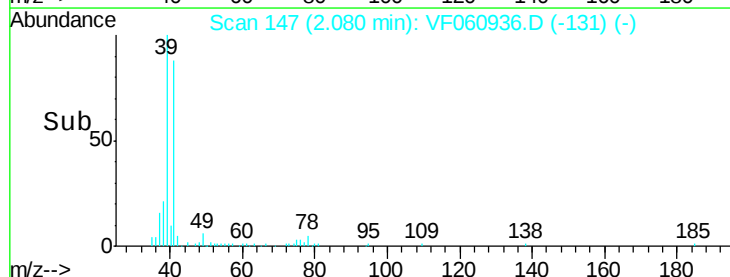
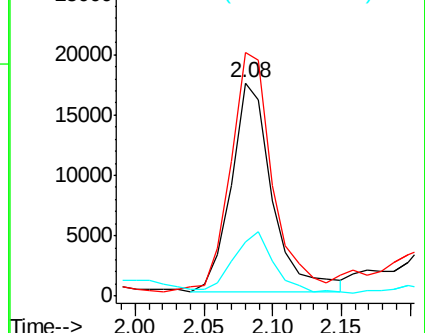
76 25.5 23.5 35.3

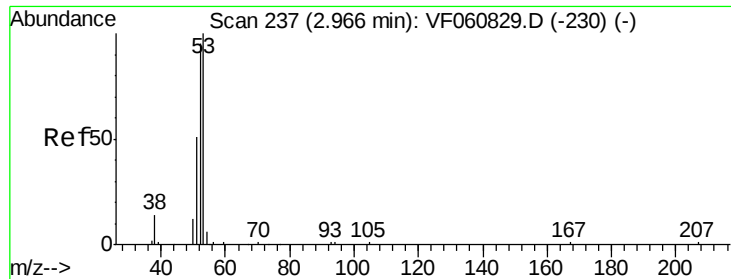


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 115.439 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

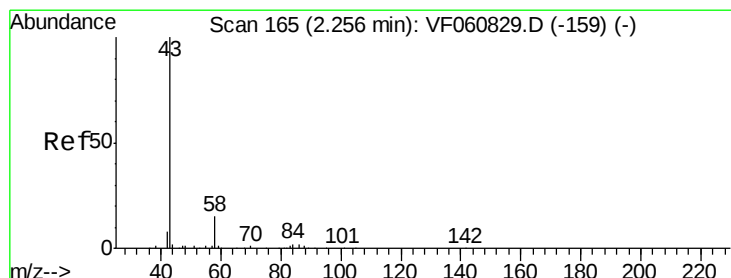
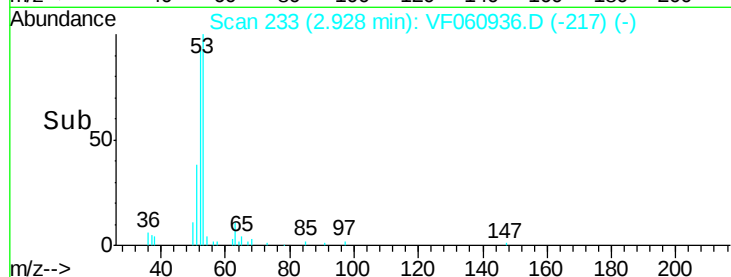
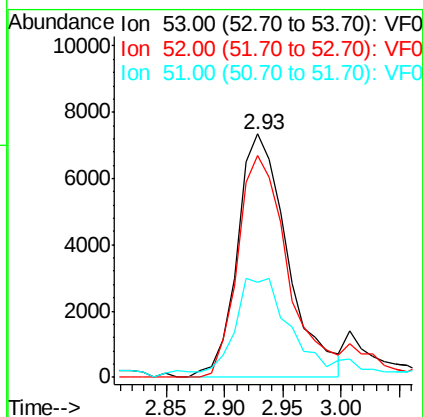
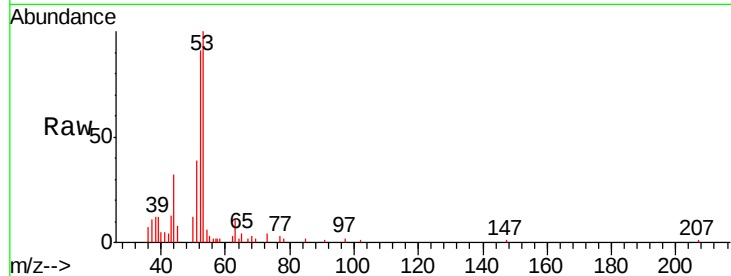
ClientSampleId :

VF1207SBS01

Tgt Ion:	53	Resp:	21972
Ion	Ratio	Lower	Upper
53	100		
52	91.0	76.5	114.7
51	39.3	40.7	61.1#

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#16

Acetone

Concen: 127.882 ug/l

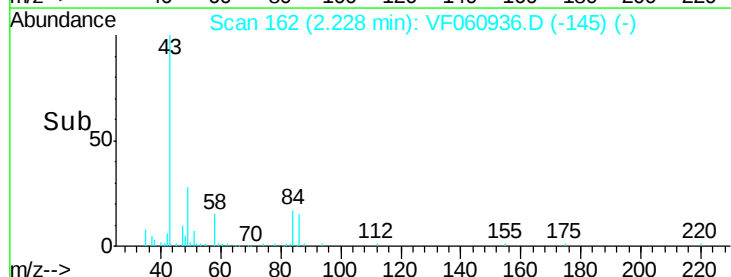
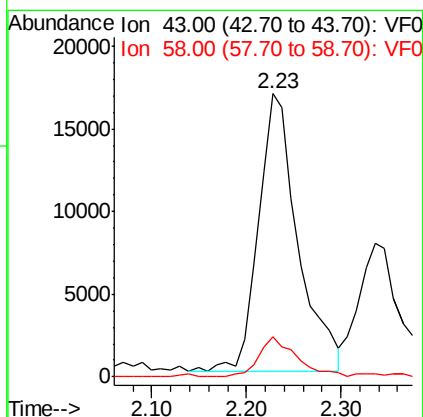
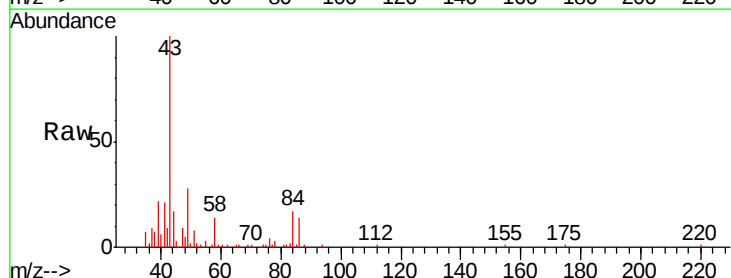
RT: 2.23 min Scan# 162

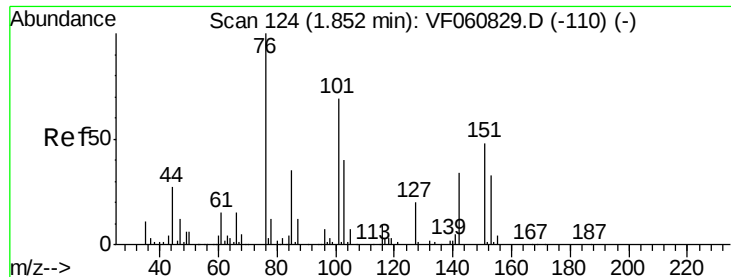
Delta R.T. -0.03 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	43	Resp:	48840
Ion	Ratio	Lower	Upper
43	100		
58	14.0	11.4	17.2





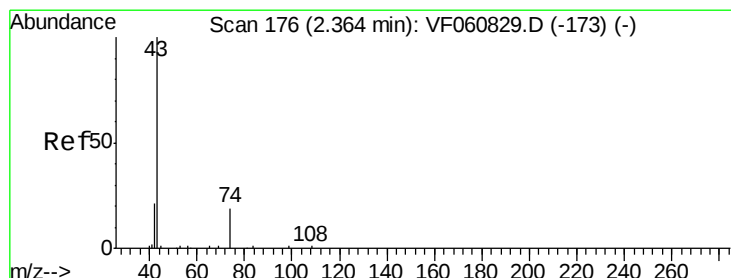
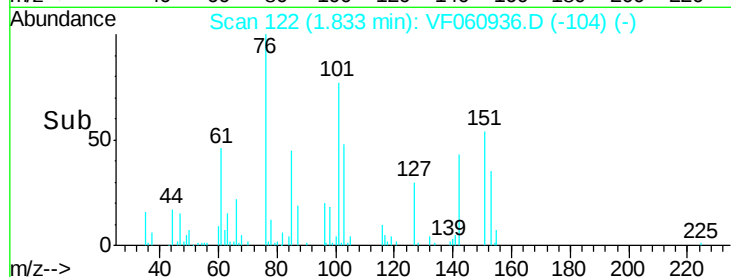
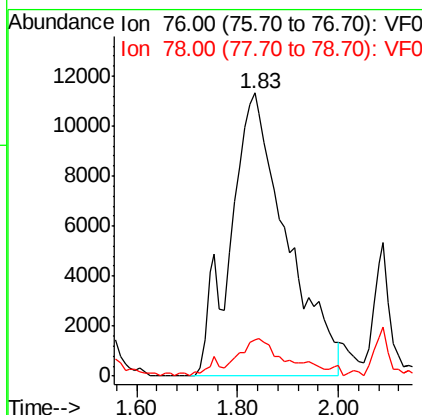
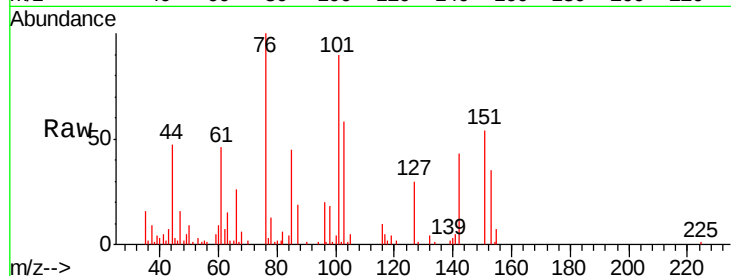
#17
Carbon Disulfide
Concen: 23.584 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 76 Resp: 88027
Ion Ratio Lower Upper
76 100
78 12.8 10.2 15.2

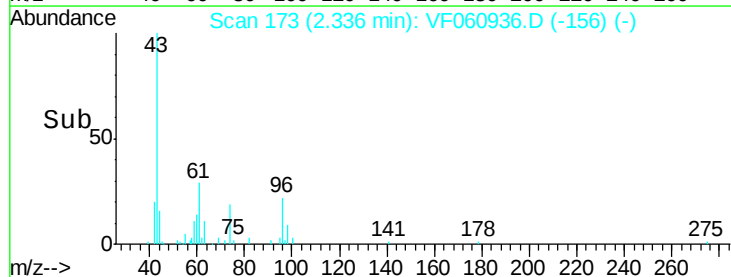
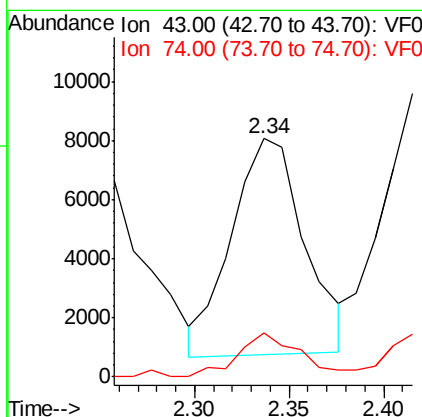
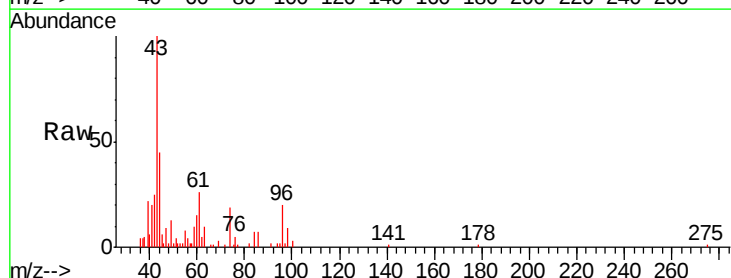
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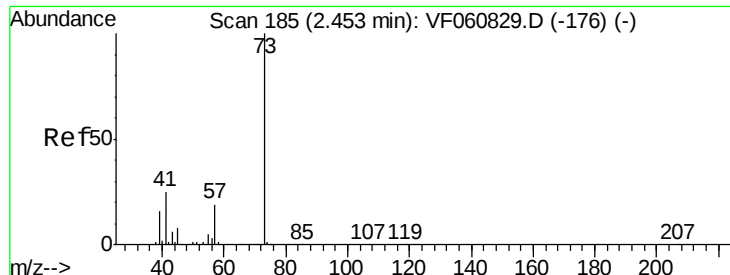
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#18
Methyl Acetate
Concen: 30.066 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 43 Resp: 19686
Ion Ratio Lower Upper
43 100
74 18.5 13.3 19.9





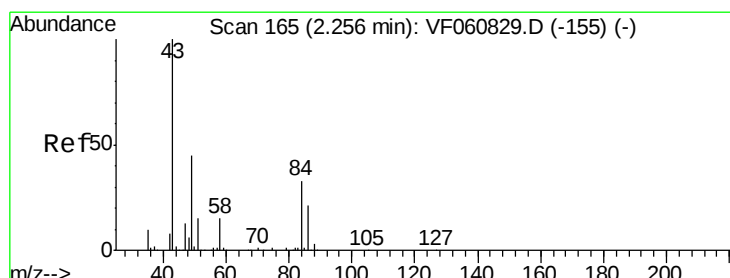
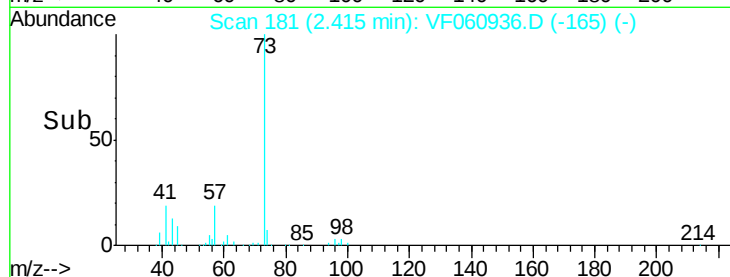
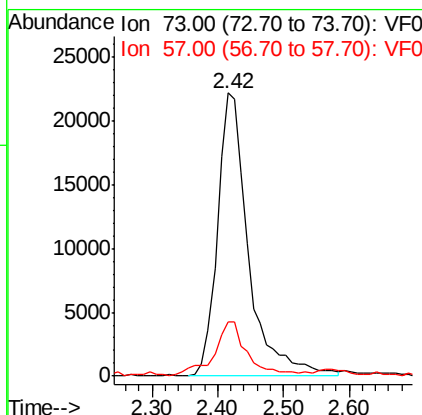
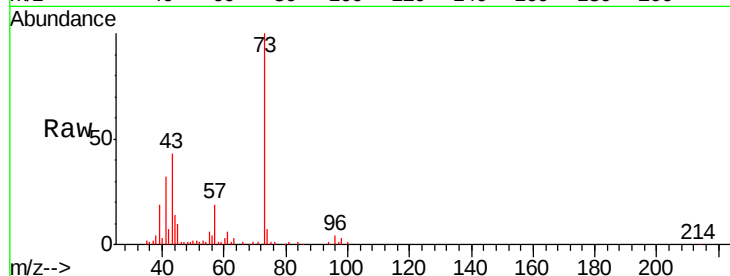
#19
Methyl tert-butyl Ether
Concen: 23.241 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 73 Resp: 72867
Ion Ratio Lower Upper
73 100
57 19.1 15.3 22.9

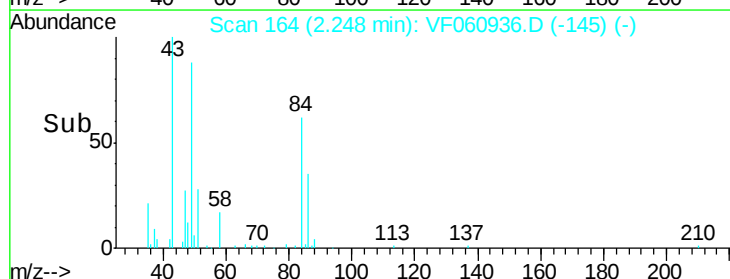
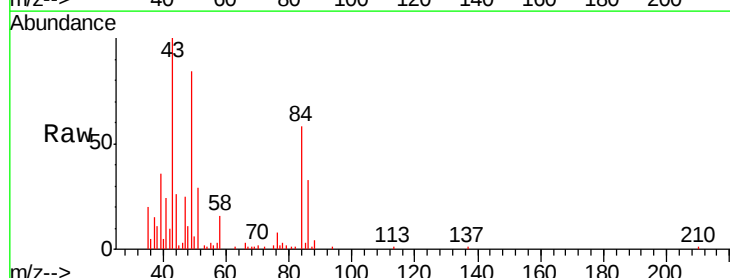
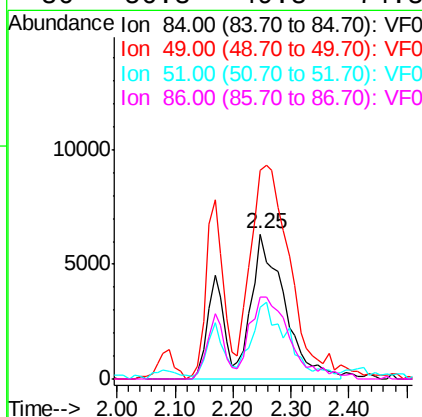
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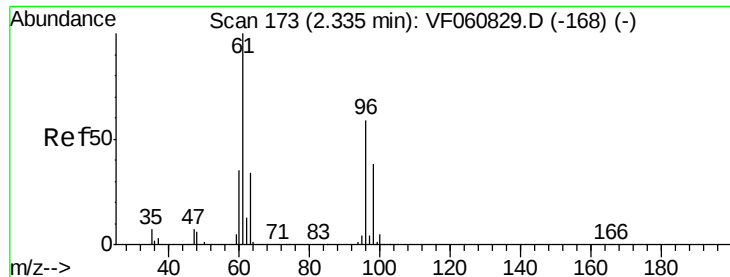
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#20
Methylene Chloride
Concen: 24.144 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 84 Resp: 33827
Ion Ratio Lower Upper
84 100
49 143.9 111.3 166.9
51 49.4 38.0 57.0
86 56.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 23.907 ug/l m

RT: 2.30 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

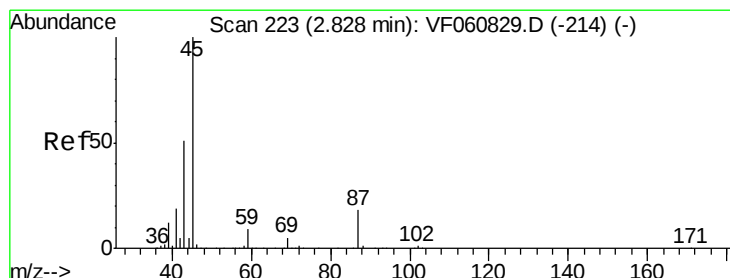
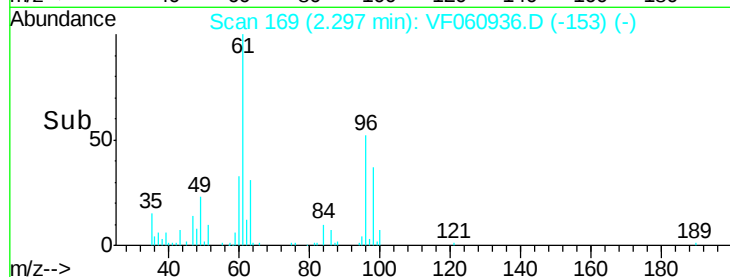
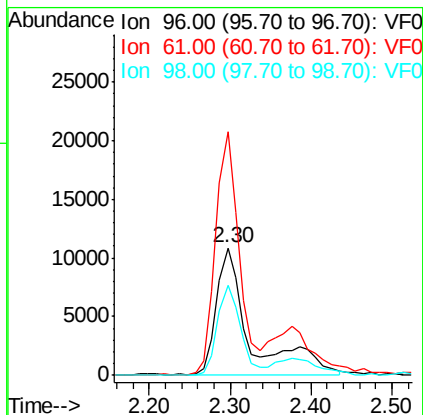
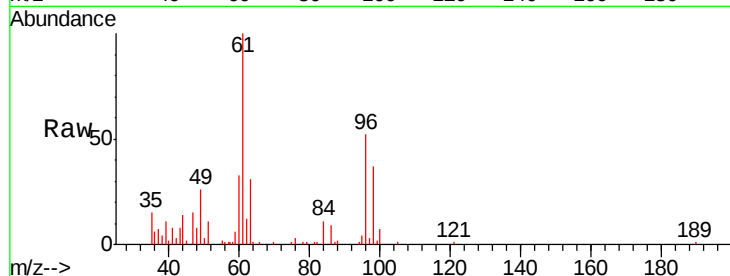
ClientSampleId :

VF1207SBS01

Tgt Ion:	96	Resp:	32084
Ion	Ratio	Lower	Upper
96	100		
61	190.6	134.5	201.7
98	70.8	51.6	77.4

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#22

Diisopropyl ether

Concen: 23.312 ug/l

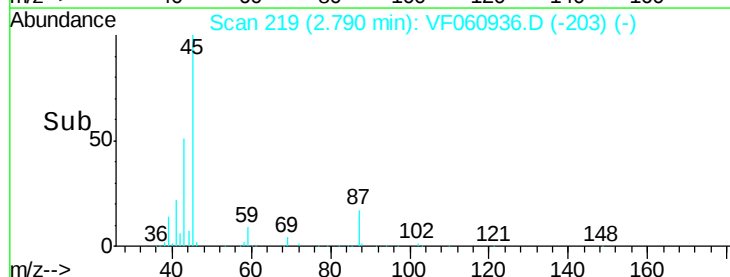
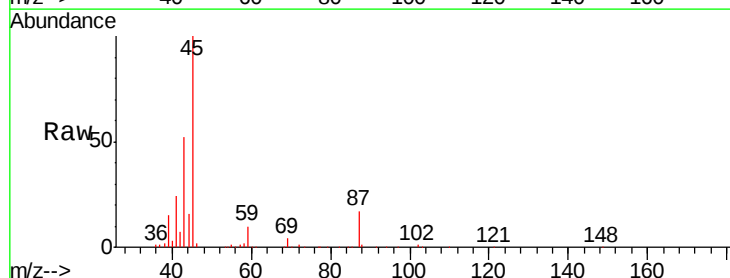
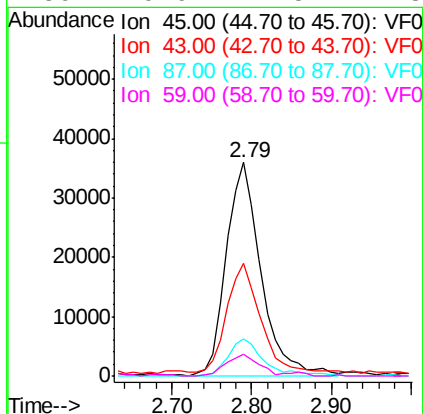
RT: 2.79 min Scan# 219

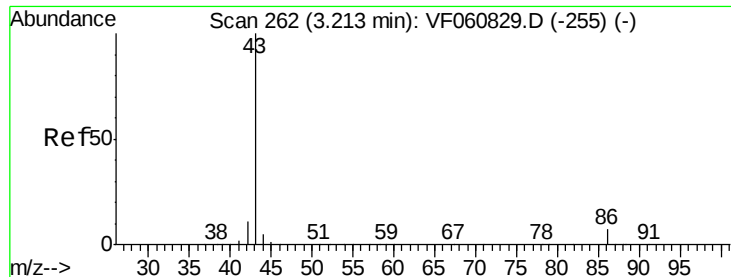
Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	45	Resp:	110096
Ion	Ratio	Lower	Upper
45	100		
43	52.5	41.0	61.6
87	17.2	14.6	22.0
59	9.9	7.5	11.3





#23

Vinyl Acetate

Concen: 127.354 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

Tgt Ion: 43 Resp: 274938

Ion Ratio Lower Upper

43 100

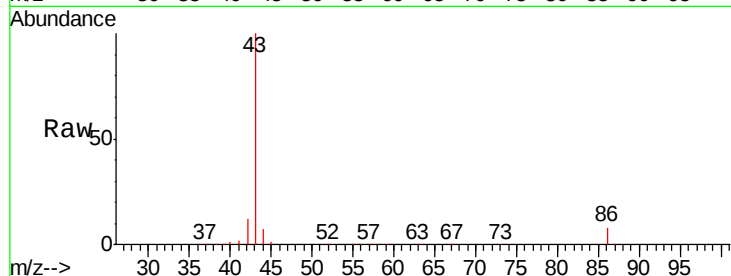
86 7.5 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

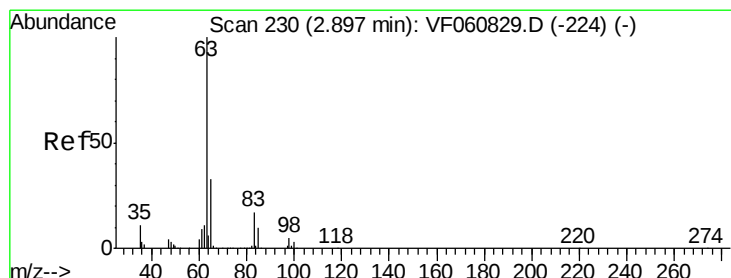
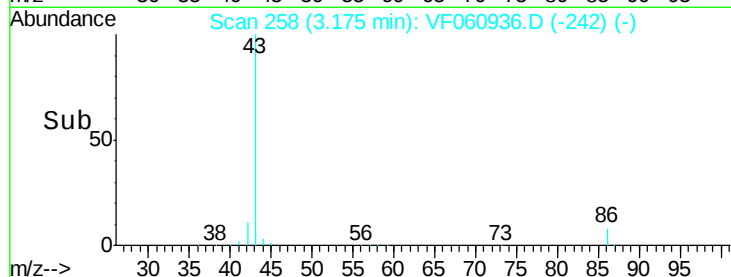
40000

20000

0

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 24.065 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

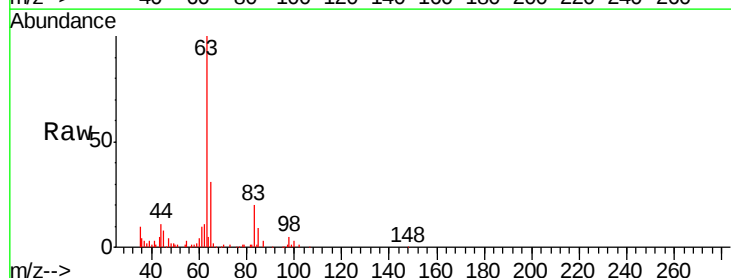
Tgt Ion: 63 Resp: 67621

Ion Ratio Lower Upper

63 100

98 4.7 2.7 8.1

100 2.6 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

30000

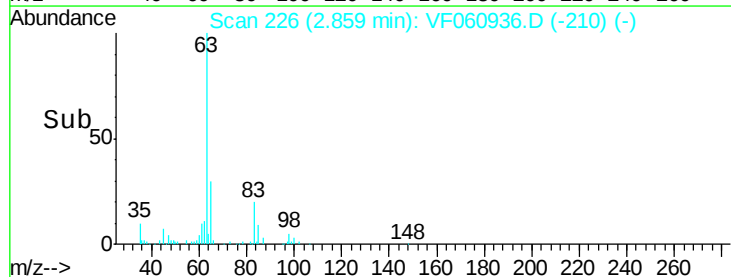
20000

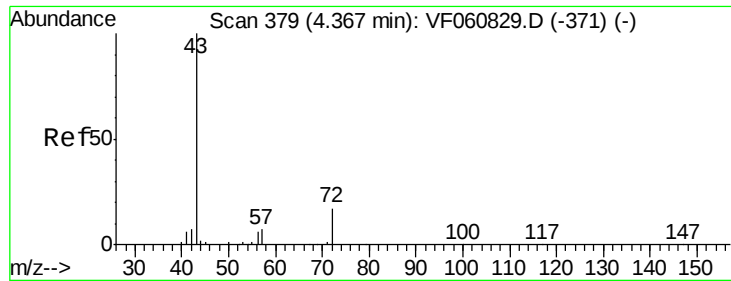
10000

0

2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 119.105 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 43 Resp: 78678

Ion Ratio Lower Upper

43 100

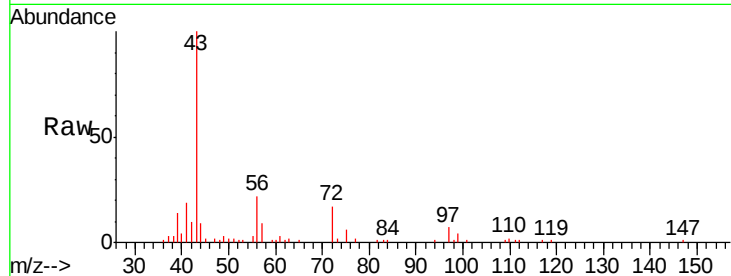
72 17.1 15.4 23.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

20000

15000

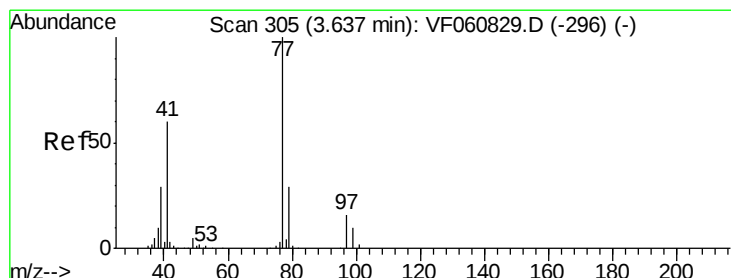
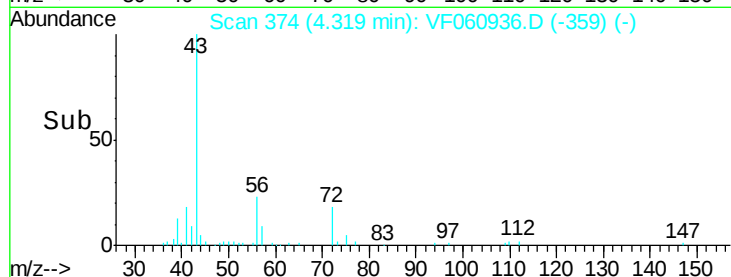
10000

5000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 22.106 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.06 min

Lab File: VF060936.D

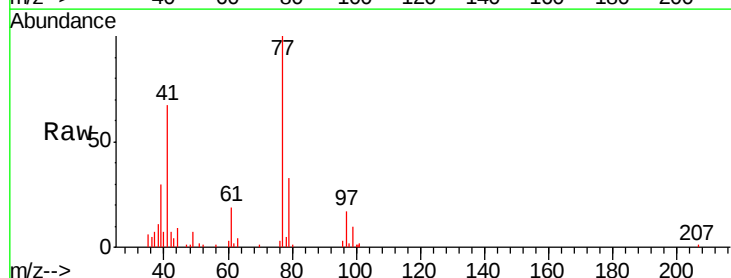
Acq: 7 Dec 2018 18:07

Tgt Ion: 77 Resp: 40271

Ion Ratio Lower Upper

77 100

97 17.1 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

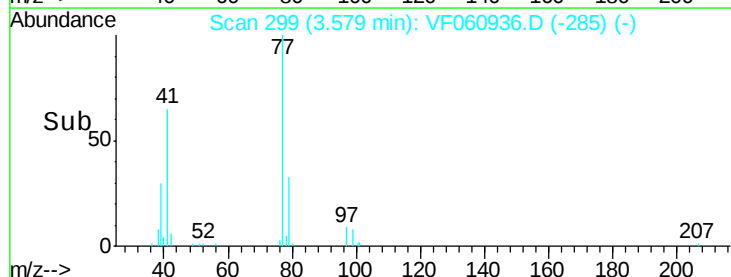
10000

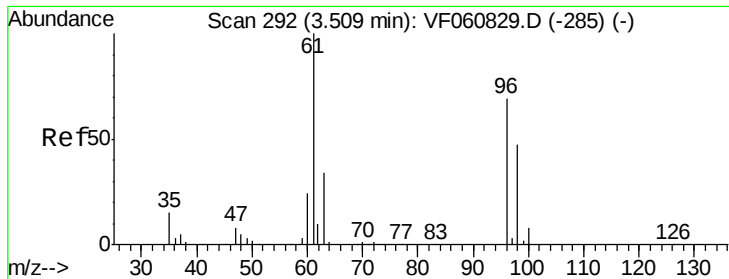
5000

0

3.40 3.50 3.60 3.70

Time-->





#27

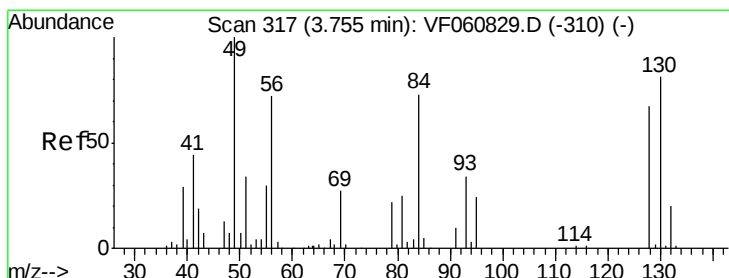
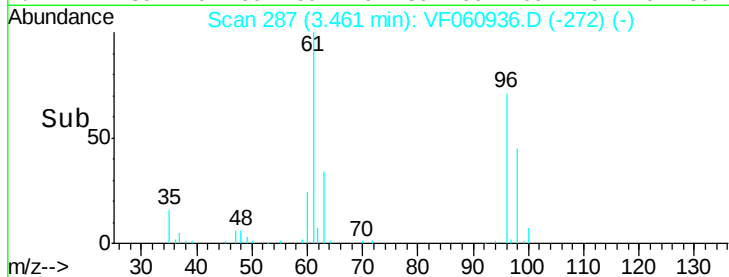
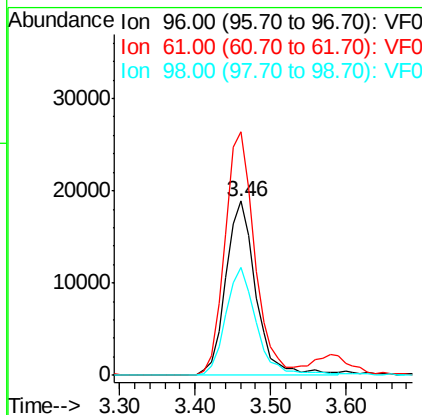
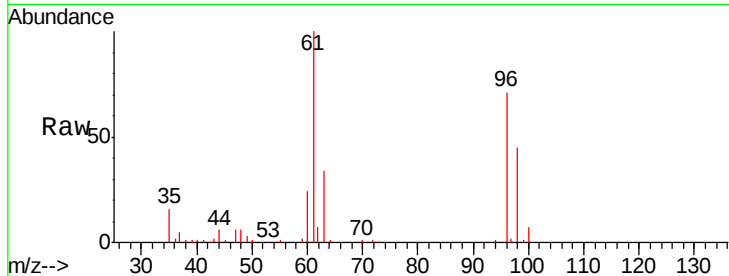
cis-1,2-Dichloroethene
 Concen: 23.727 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.05 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	51840		
61	140.0	0.0	290.6	
98	62.4	0.0	137.8	

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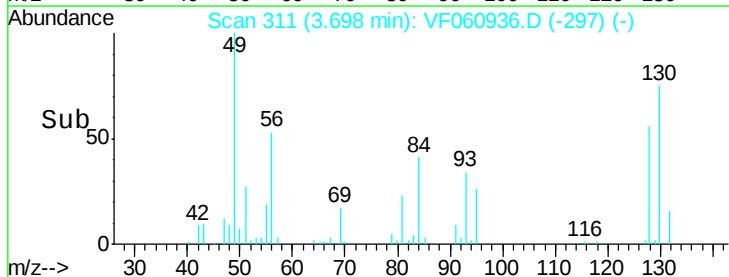
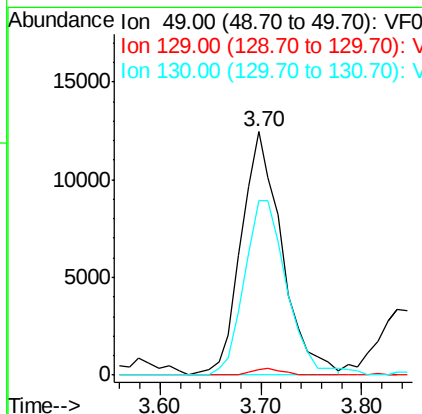
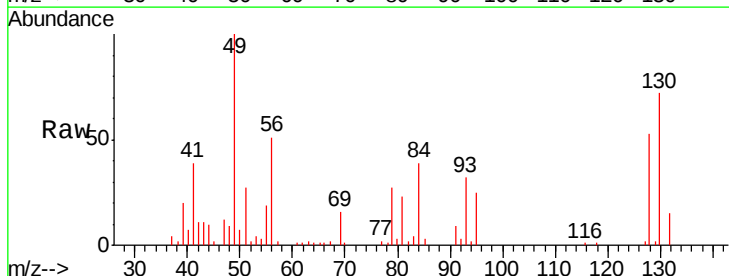
apatel
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#28

Bromochloromethane
 Concen: 25.976 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35030		
129	2.4	0.0	4.4	
130	71.6	64.2	96.4	





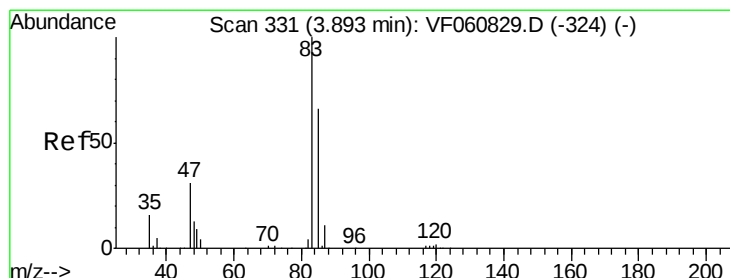
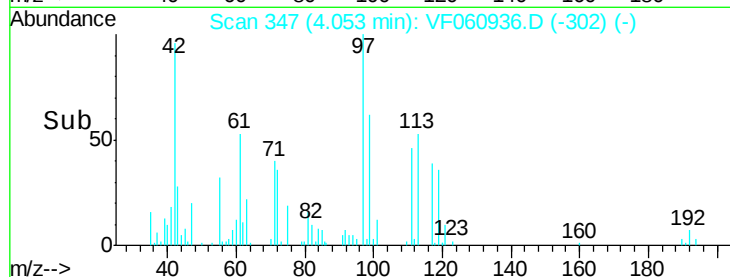
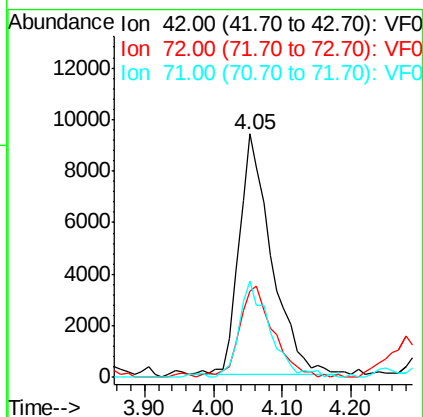
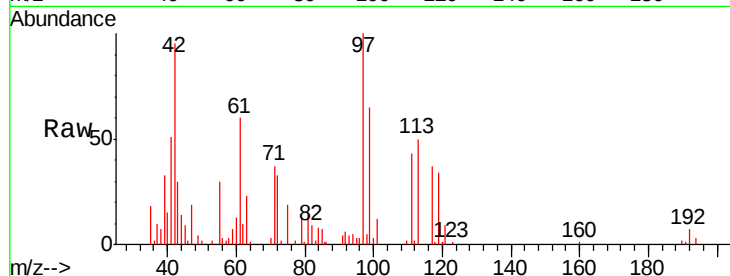
#29
Tetrahydrofuran
Concen: 108.893 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.9	47.9
71	38.0	28.7	43.1

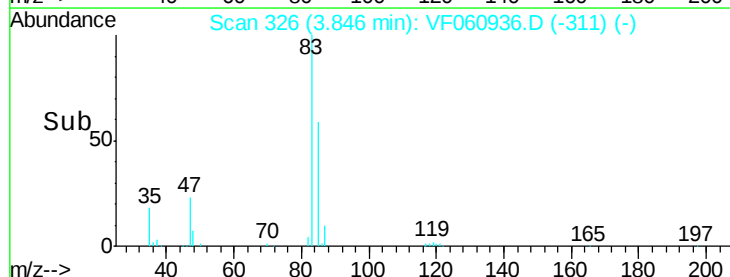
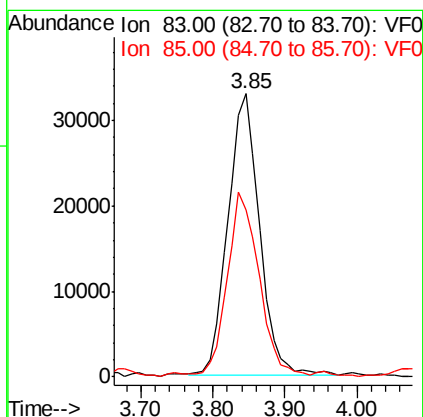
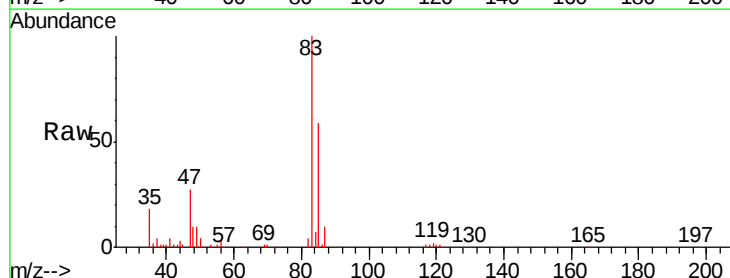
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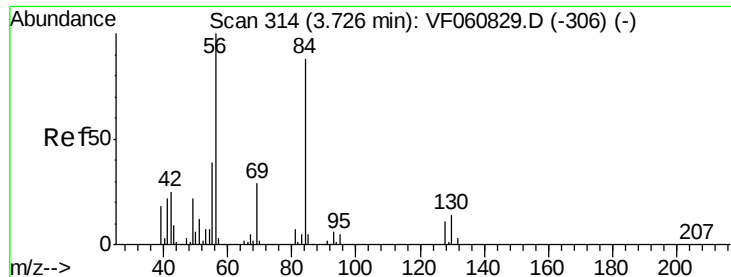
apatel
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#30
Chloroform
Concen: 23.179 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.9	53.4	80.2





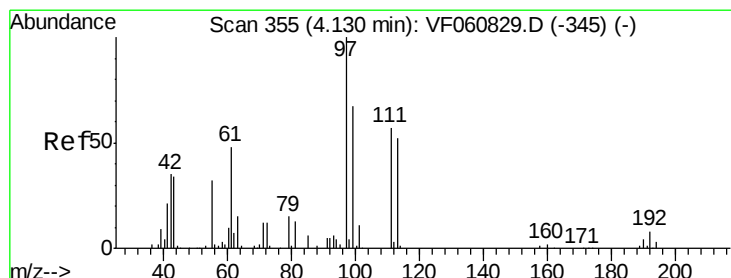
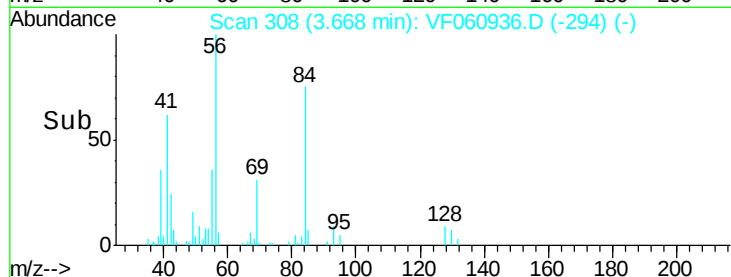
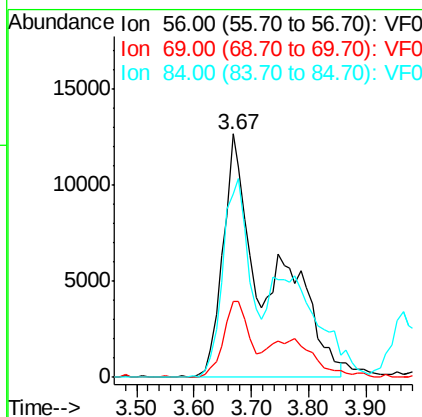
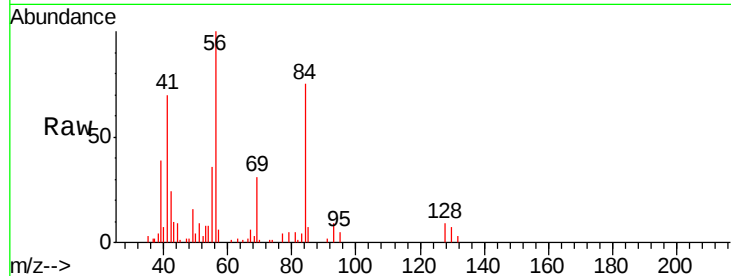
#31
Cyclohexane
Concen: 23.901 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.0	34.4
84	75.5	70.4	105.6

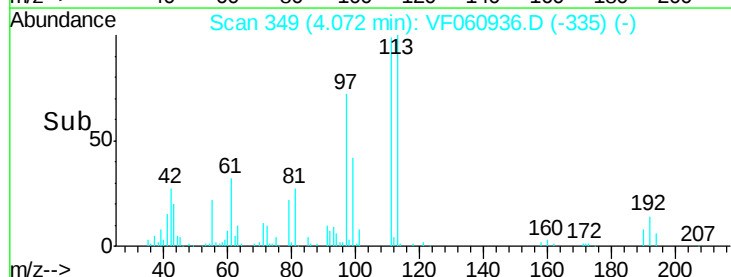
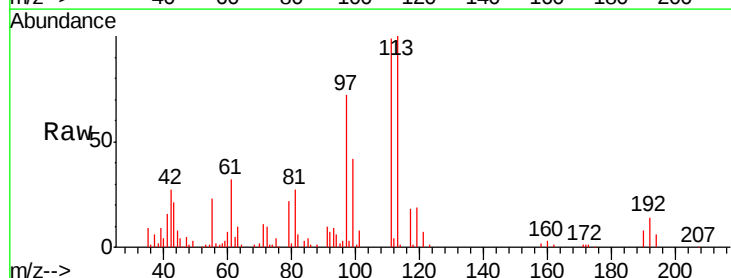
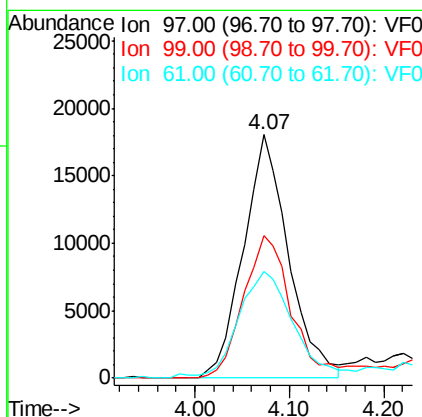
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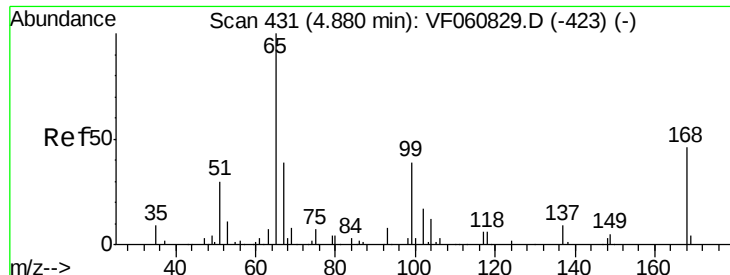
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#32
1,1,1-Trichloroethane
Concen: 19.926 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.6	53.5	80.3
61	43.8	38.6	58.0





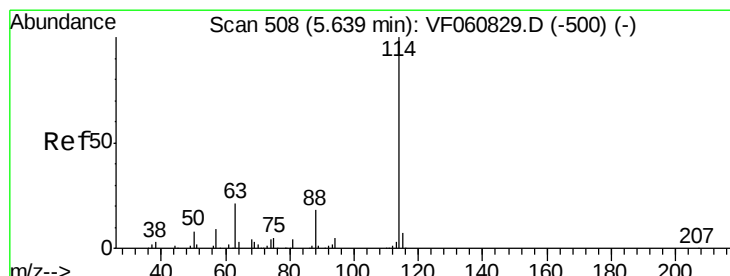
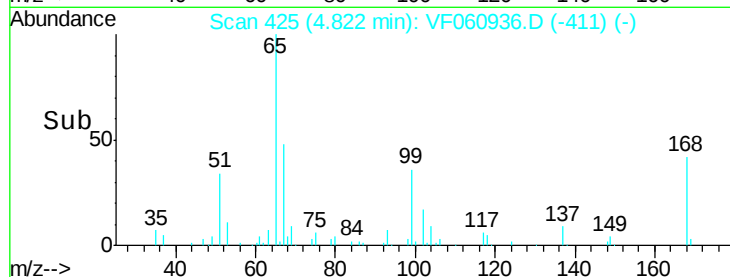
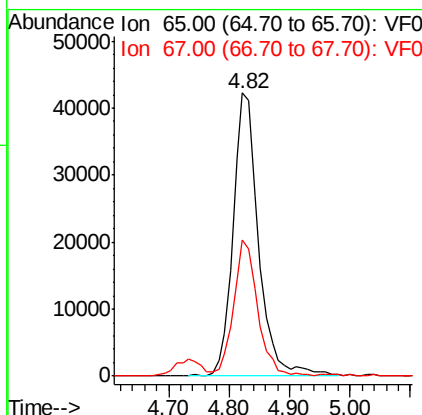
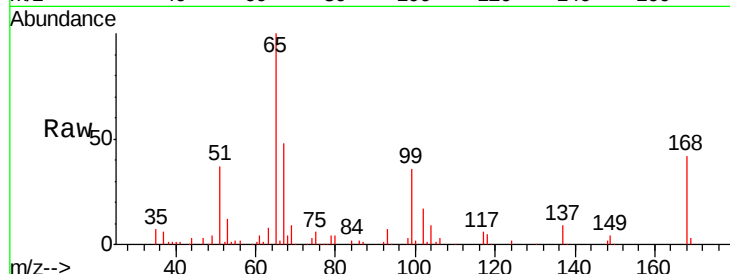
#33
 1,2-Dichloroethane-d4
 Concen: 59.716 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	123675		
67	48.3	0.0	96.4	

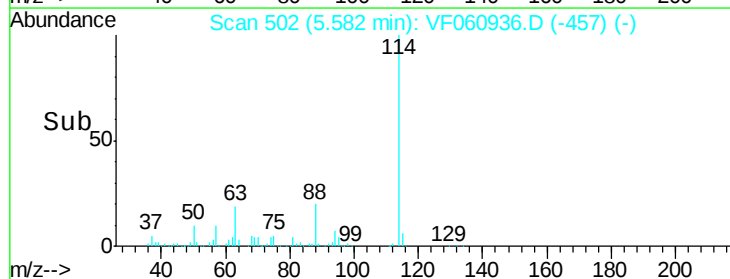
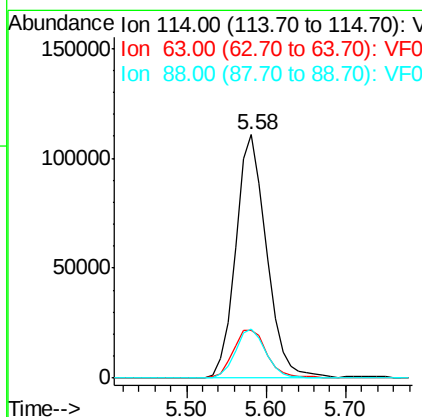
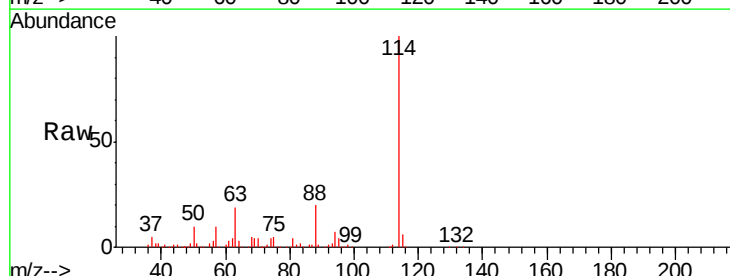
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297563		
63	19.4	0.0	41.6	
88	20.0	0.0	36.6	





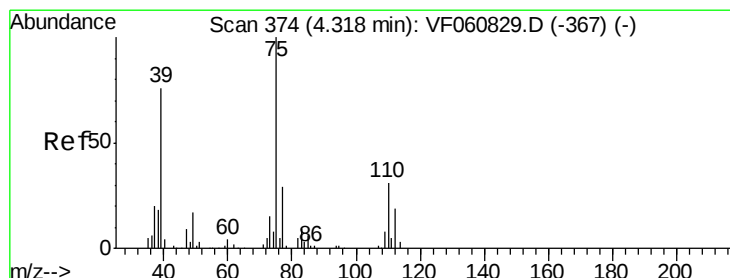
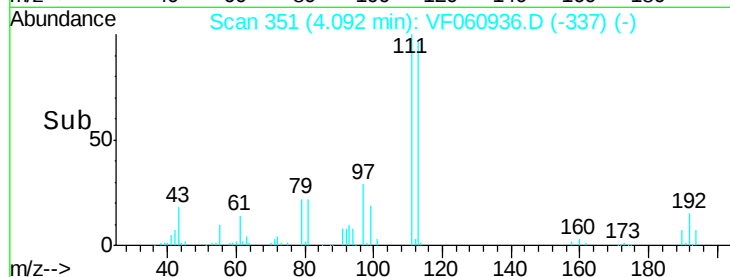
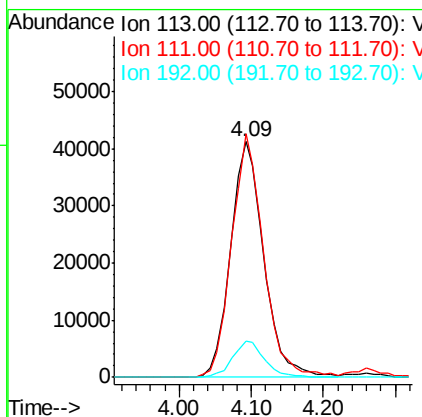
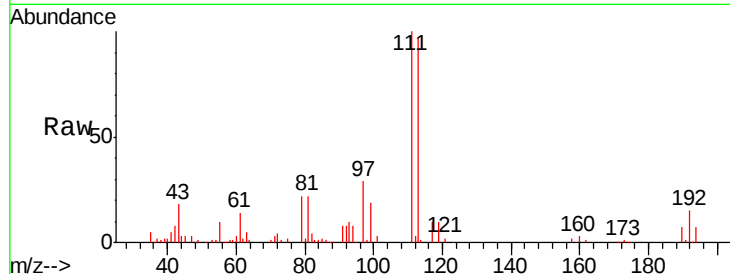
#35
 Dibromofluoromethane
 Concen: 55.996 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	132187		
111	103.3	83.0	124.6	
192	16.1	12.3	18.5	

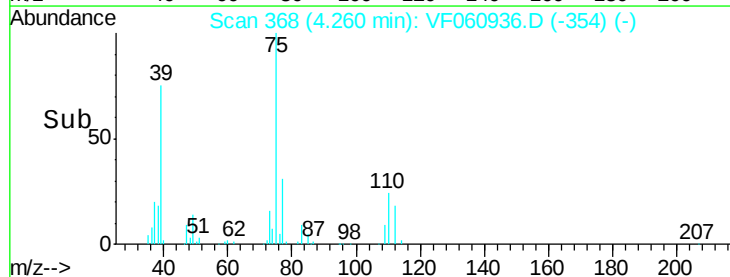
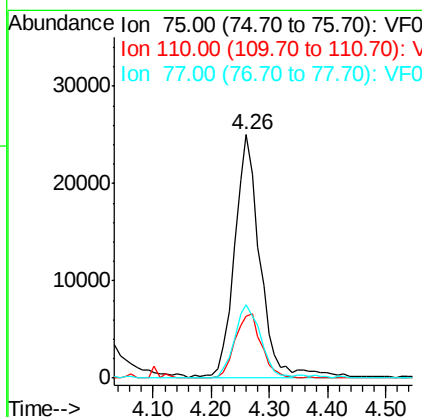
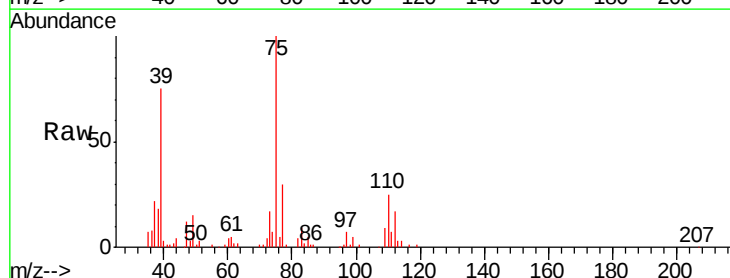
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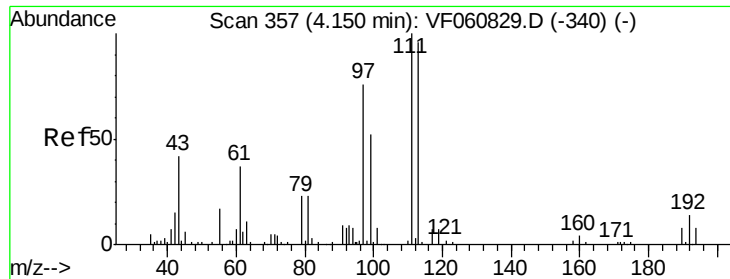
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#36
 1,1-Dichloropropene
 Concen: 22.852 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75421		
110	25.4	15.6	46.8	
77	30.0	23.4	35.0	





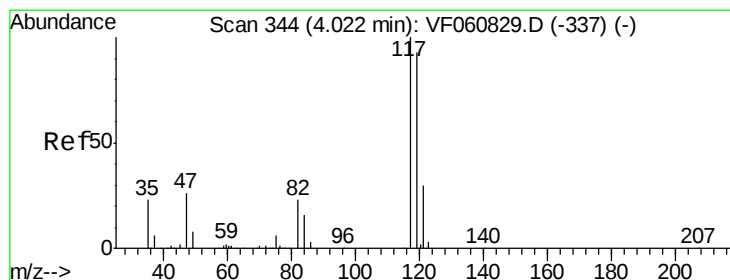
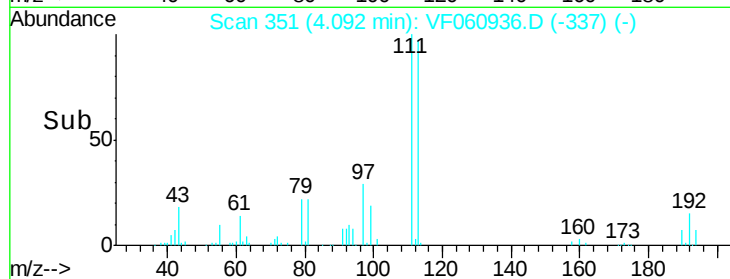
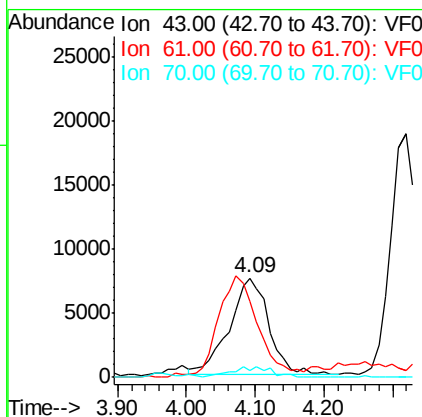
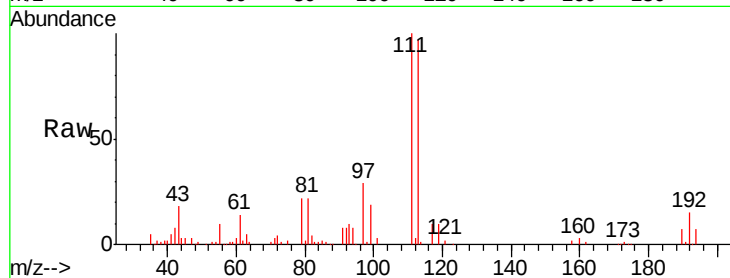
#37
Ethyl Acetate
Concen: 22.055 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	77.1	68.6	103.0
70	7.1	9.0	13.4

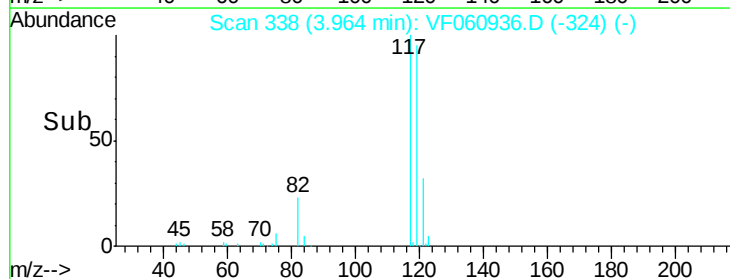
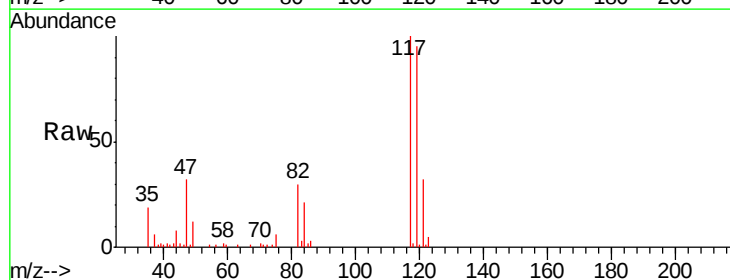
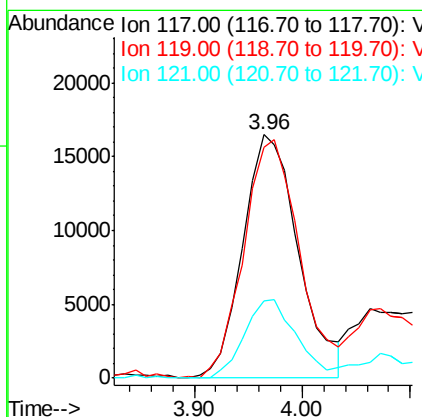
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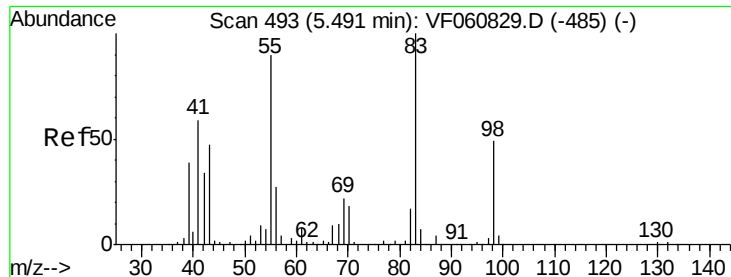
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#38
Carbon Tetrachloride
Concen: 20.294 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.4	111.6
121	32.2	23.5	35.3





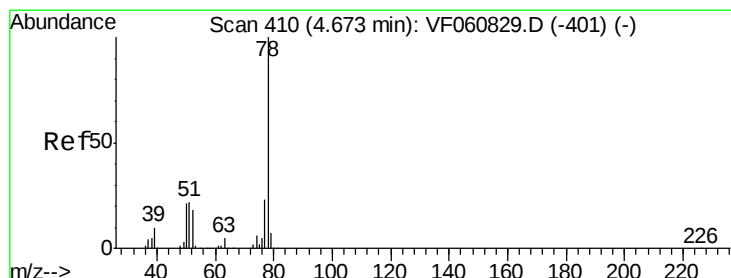
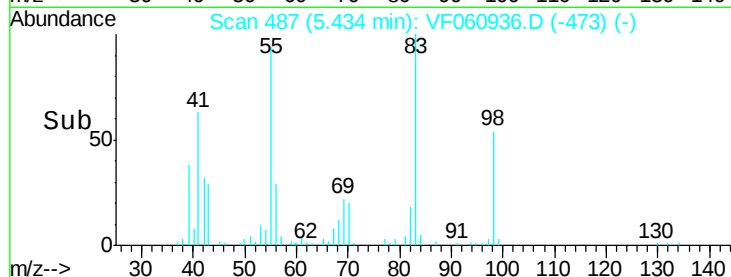
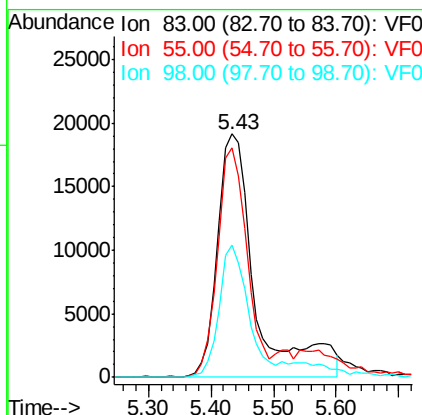
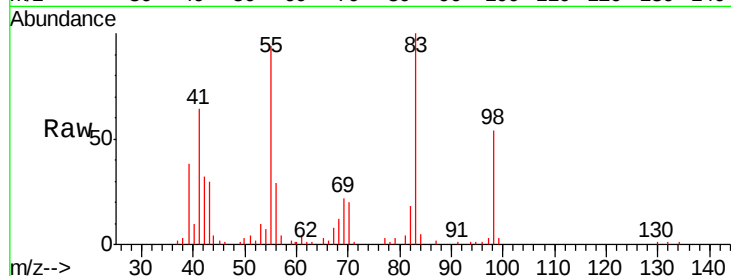
#39
Methylcyclohexane
Concen: 23.463 ug/l m
RT: 5.43 min Scan# 487
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.4	72.1	108.1
98	54.1	39.1	58.7

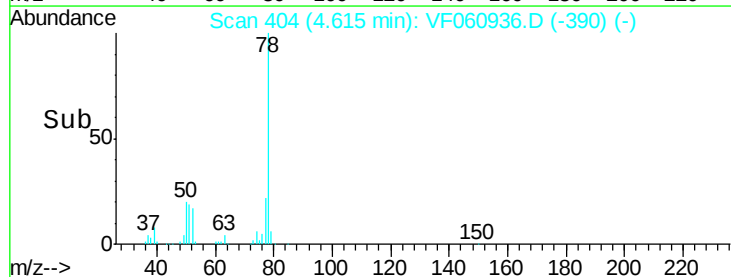
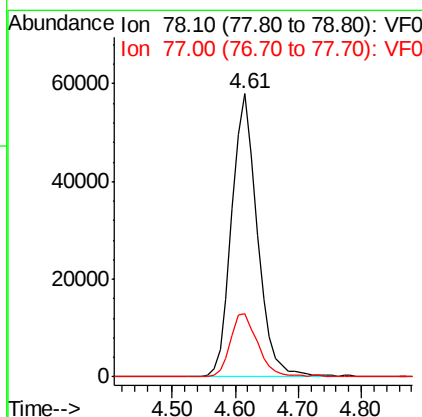
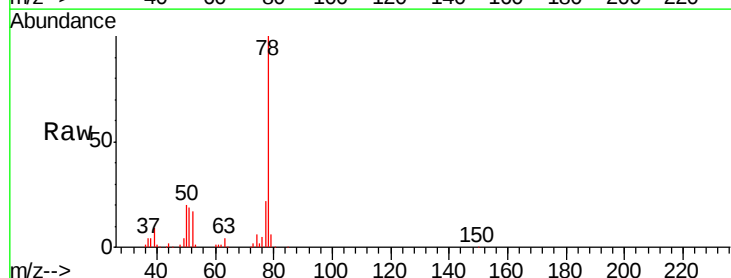
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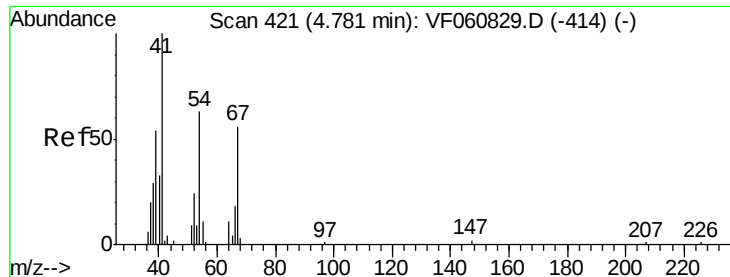
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#40
Benzene
Concen: 22.412 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1





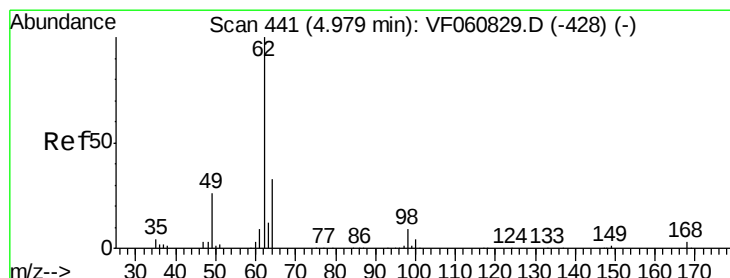
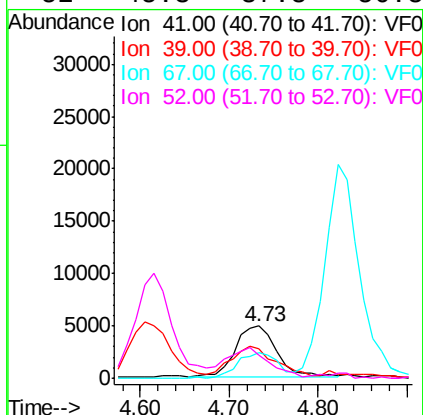
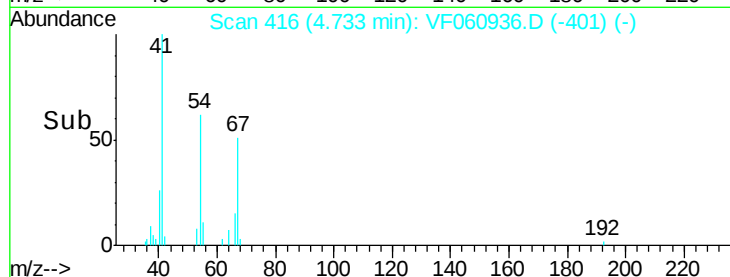
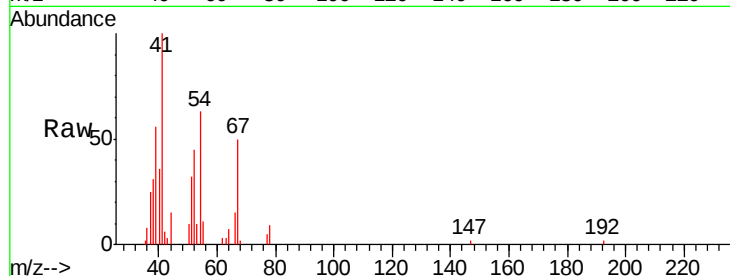
#41
Methacrylonitrile
Concen: 20.355 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	53.0	79.6	
67	49.7	43.8	65.6	
52	45.3	37.8	56.8	

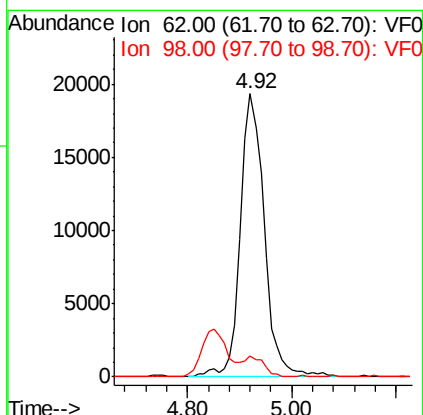
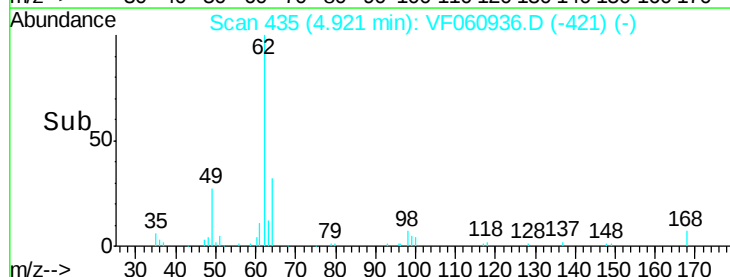
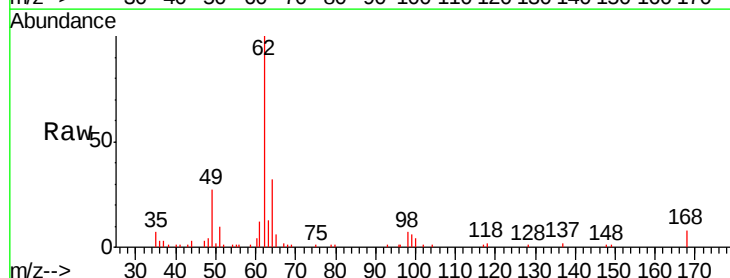
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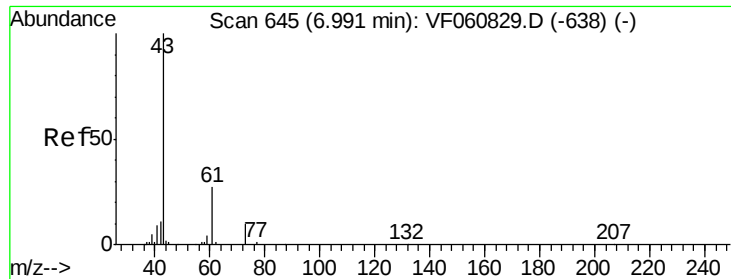
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#42
1,2-Dichloroethane
Concen: 22.487 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	0.0	17.2	





#43

Isopropyl Acetate

Concen: 23.559 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

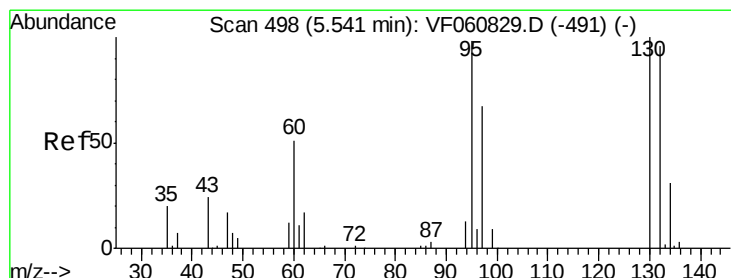
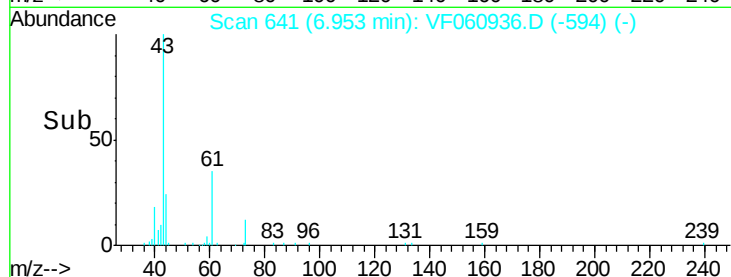
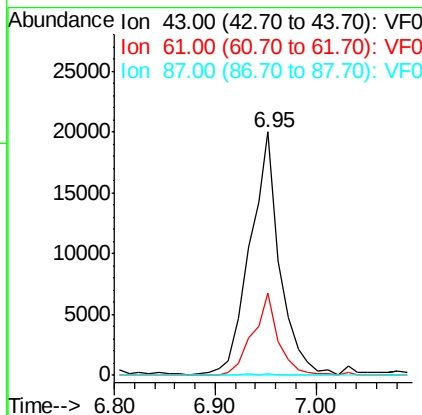
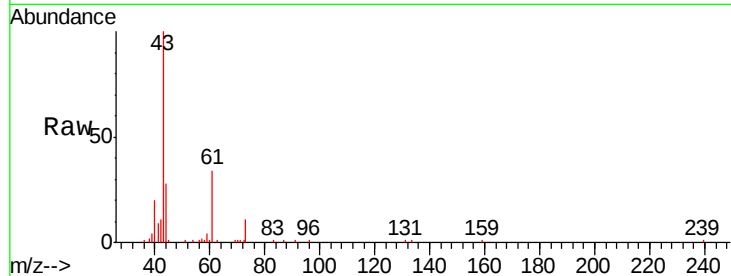
ClientSampleId :

VF1207SBS01

Tgt Ion:	43	Resp:	41366
Ion Ratio	Lower	Upper	
43	100		
61	34.0	21.4	32.0#
87	0.8	0.2	0.4#

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#44

Trichloroethene

Concen: 21.800 ug/l

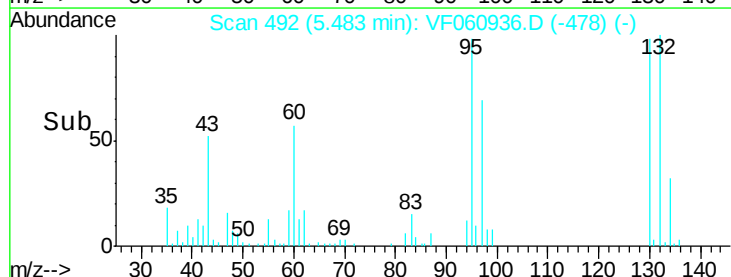
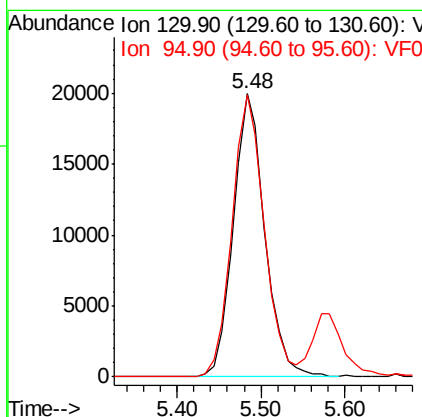
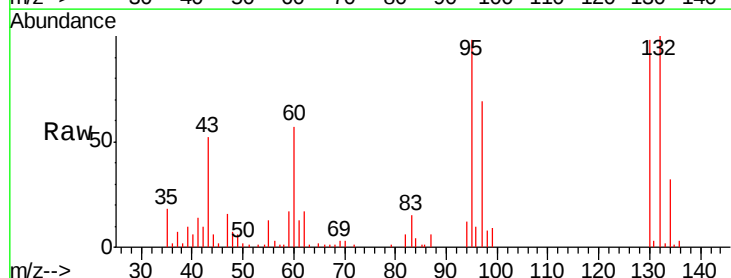
RT: 5.48 min Scan# 492

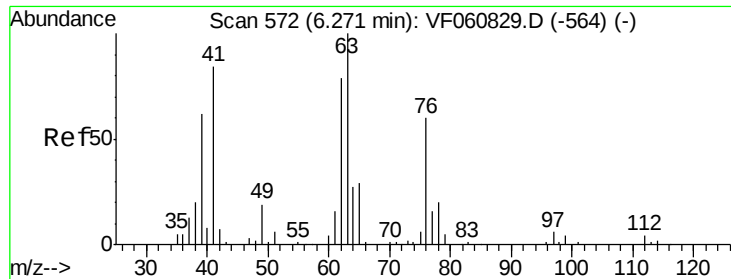
Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	130	Resp:	51973
Ion Ratio	Lower	Upper	
130	100		
95	99.8	0.0	195.6





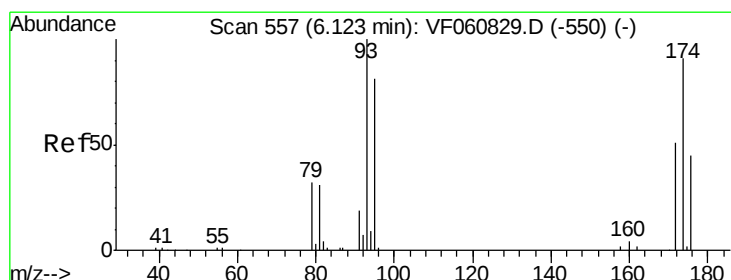
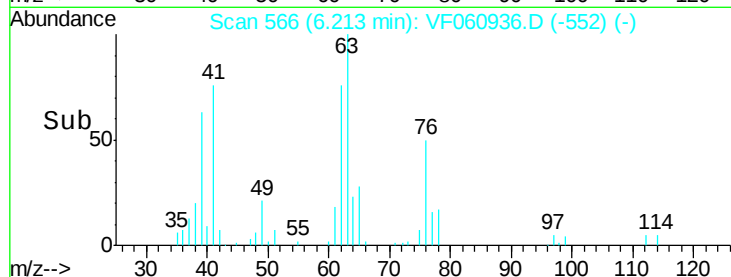
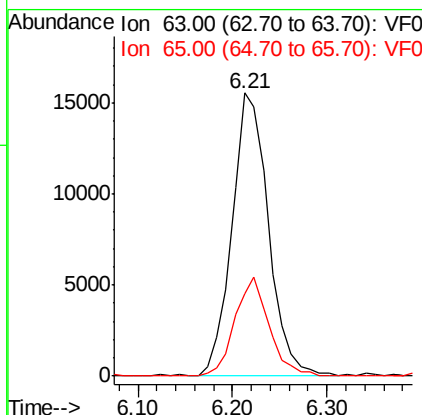
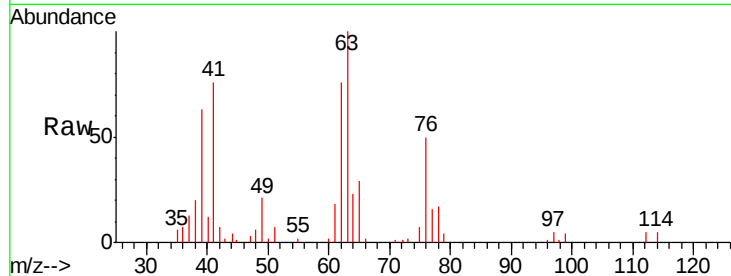
#45
1,2-Dichloropropane
Concen: 21.925 ug/l
RT: 6.21 min Scan# 566
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 63 Resp: 41518
Ion Ratio Lower Upper
63 100
65 29.0 23.2 34.8

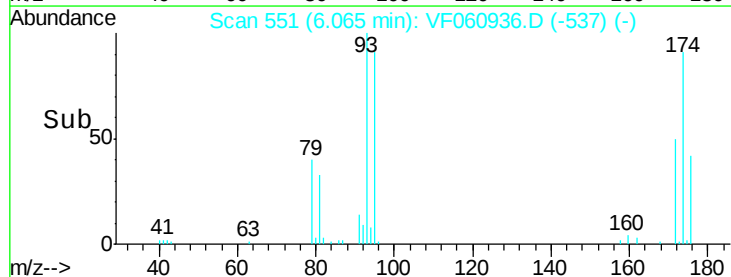
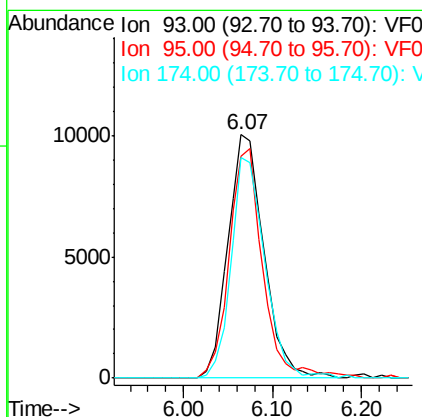
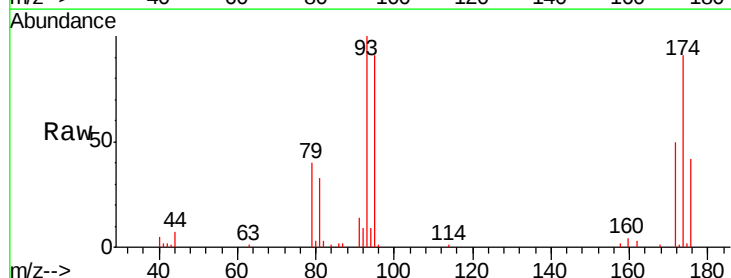
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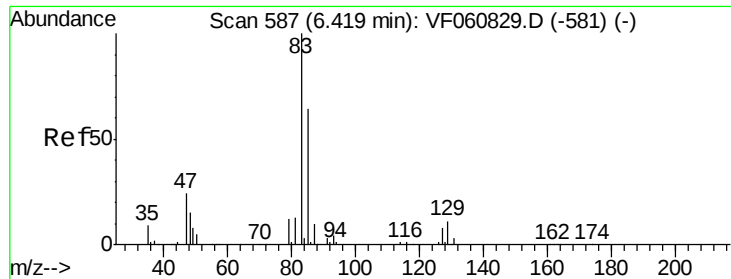
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#46
Dibromomethane
Concen: 22.089 ug/l
RT: 6.07 min Scan# 551
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 93 Resp: 28375
Ion Ratio Lower Upper
93 100
95 91.3 64.7 97.1
174 90.7 73.0 109.6





#47

Bromodichloromethane

Concen: 22.870 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

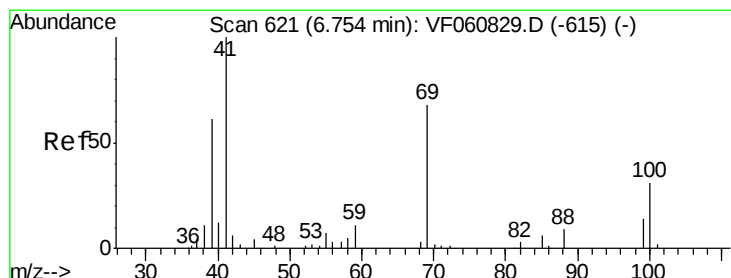
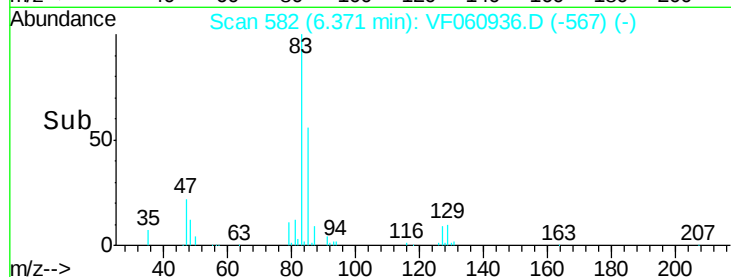
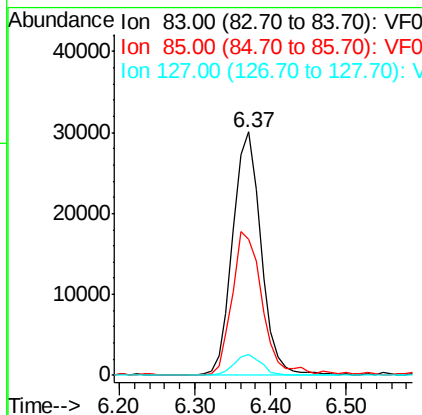
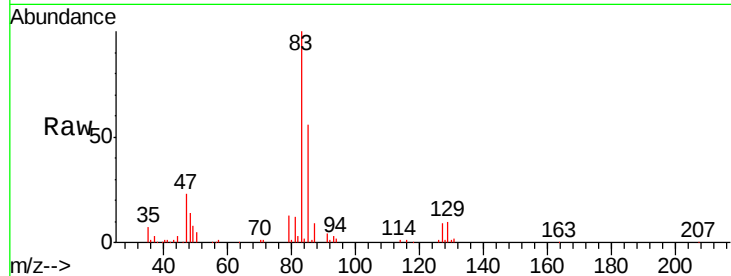
ClientSampleId :

VF1207SBS01

Tgt Ion:	83	Resp:	78029
Ion	Ratio	Lower	Upper
83	100		
85	56.0	51.1	76.7
127	8.5	6.8	10.2

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#48

Methyl methacrylate

Concen: 21.069 ug/l

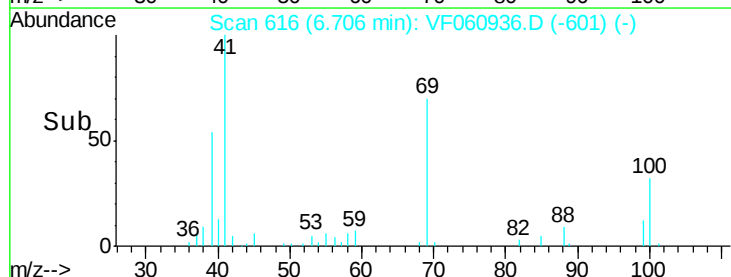
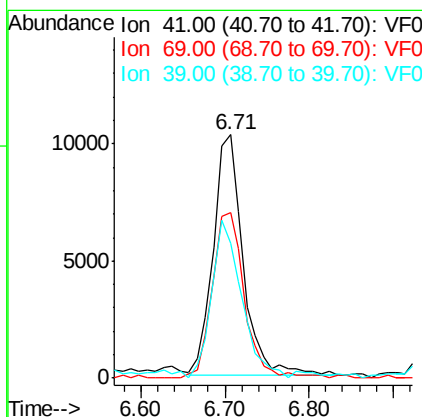
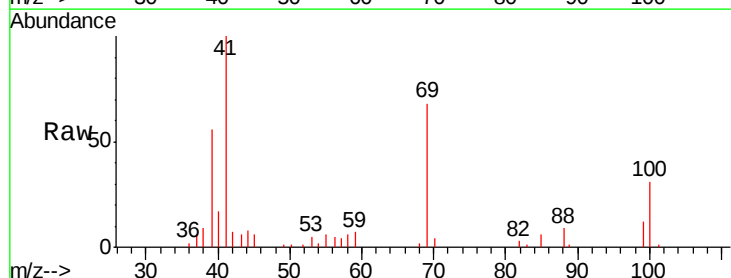
RT: 6.71 min Scan# 616

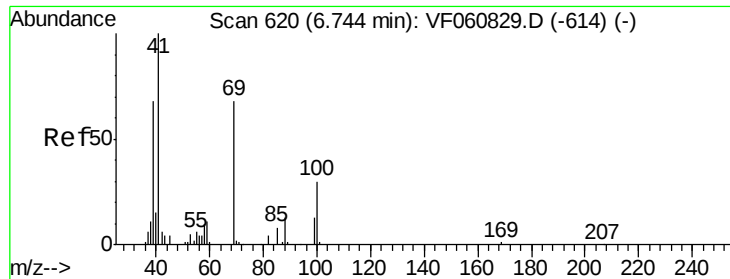
Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	41	Resp:	25579
Ion	Ratio	Lower	Upper
41	100		
69	67.8	53.9	80.9
39	55.6	49.0	73.6





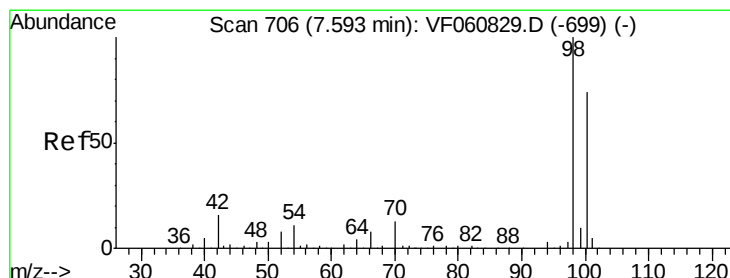
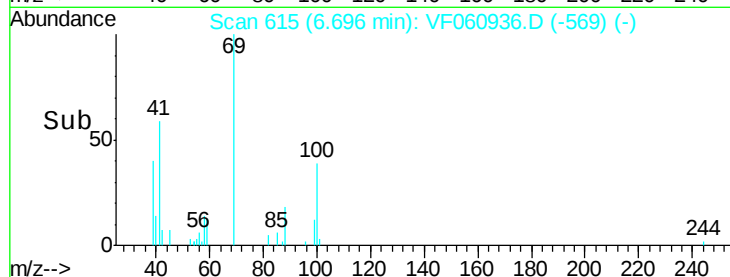
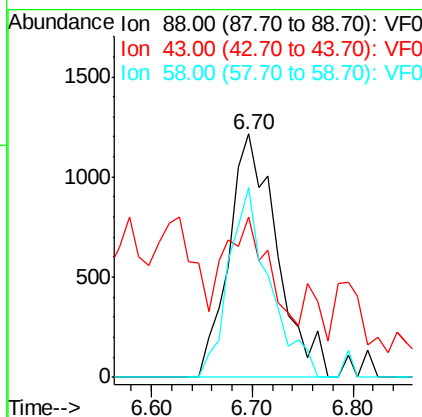
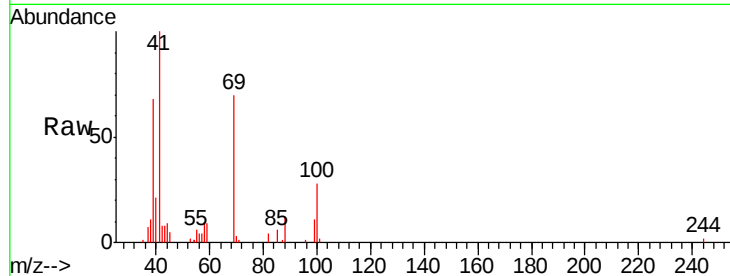
#49
1,4-Dioxane
Concen: 453.564 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	66.1	42.0	63.0#
58	77.9	61.8	92.8

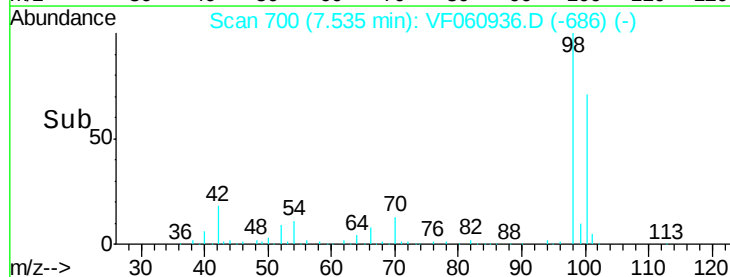
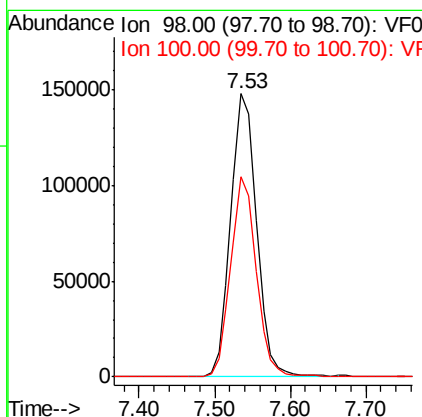
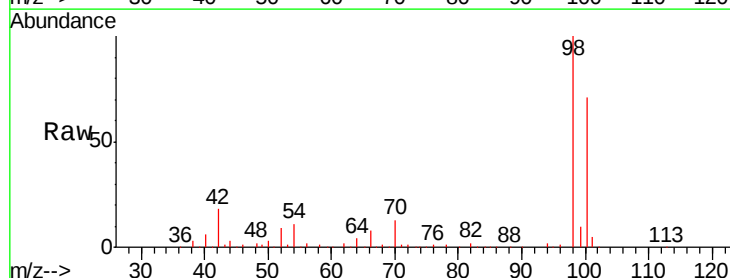
Manual Integrations
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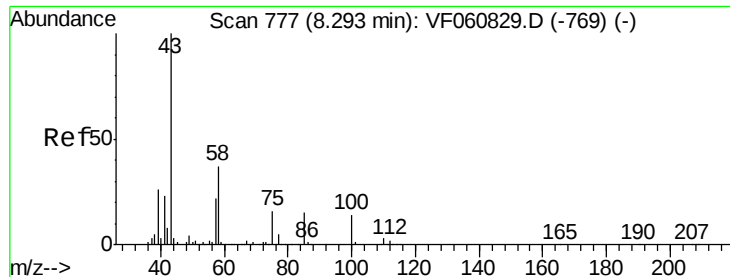
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#50
Toluene-d8
Concen: 50.569 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.6	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 112.516 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 43 Resp: 139162

Ion Ratio Lower Upper

43 100

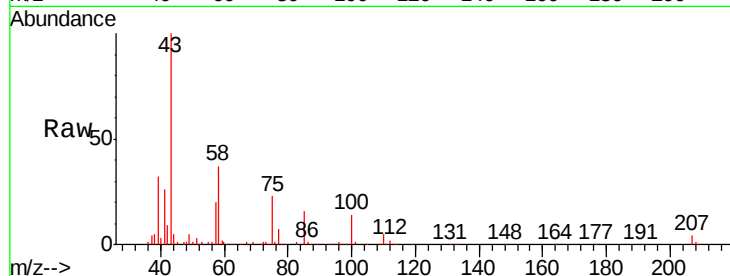
58 37.2 29.7 44.5

Manual Integrations

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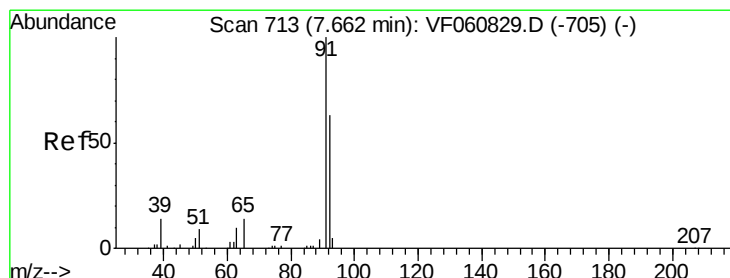
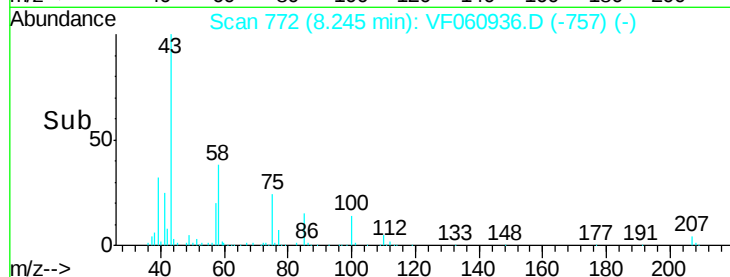
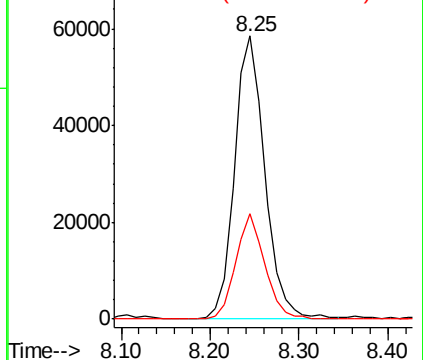
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.295 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.06 min

Lab File: VF060936.D

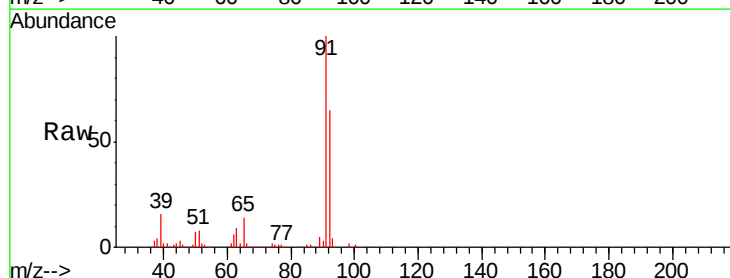
Acq: 7 Dec 2018 18:07

Tgt Ion: 92 Resp: 103943

Ion Ratio Lower Upper

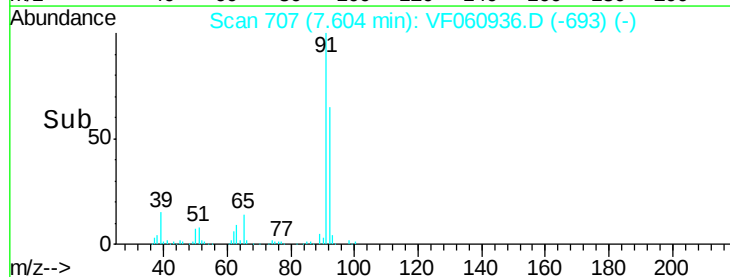
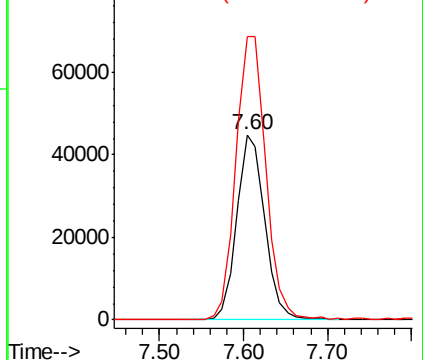
92 100

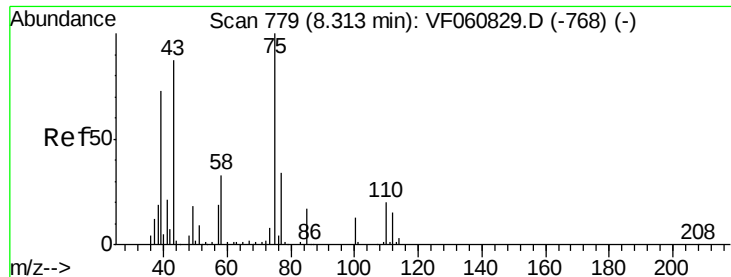
91 153.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.750 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 75 Resp: 63137

Ion Ratio Lower Upper

75 100

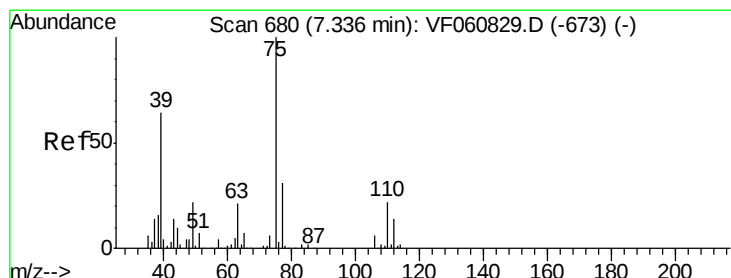
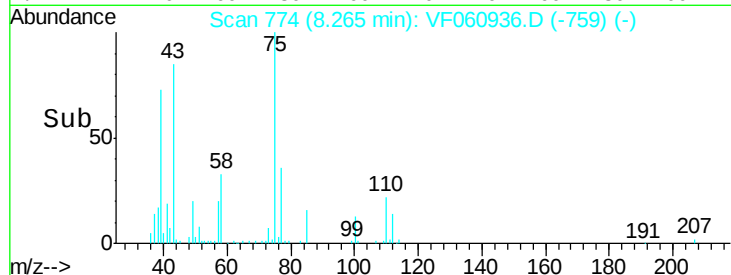
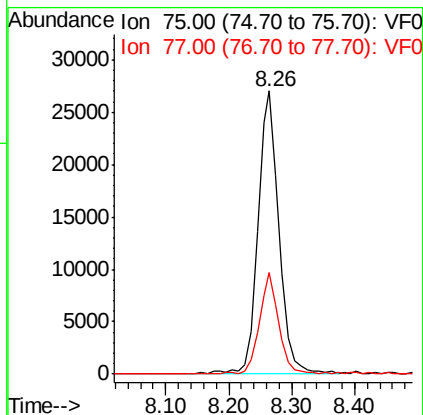
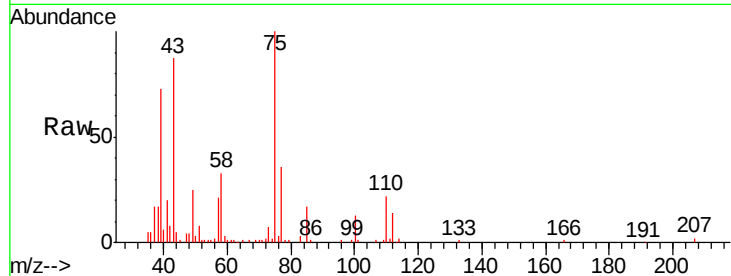
77 35.9 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 22.900 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

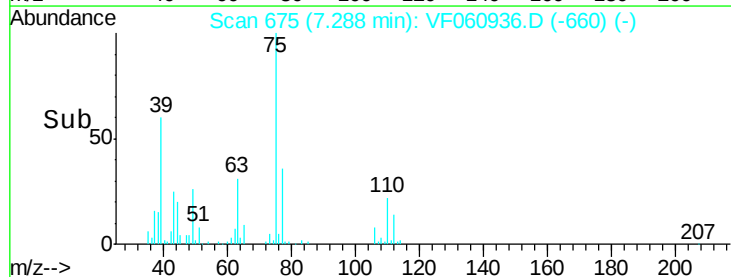
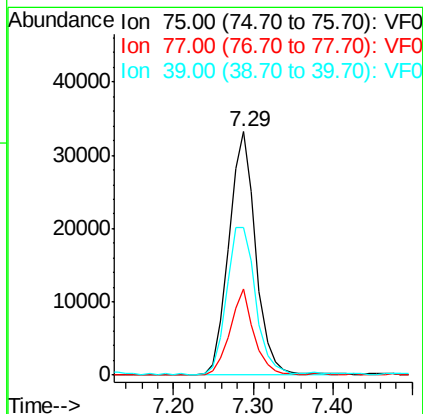
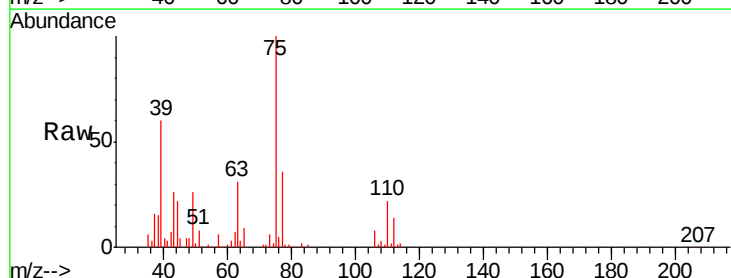
Tgt Ion: 75 Resp: 78679

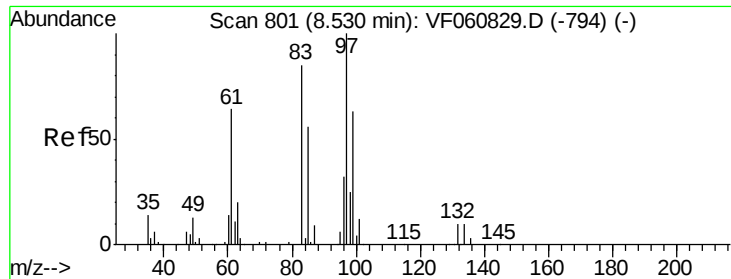
Ion Ratio Lower Upper

75 100

77 35.6 25.0 37.6

39 60.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 22.465 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.06 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

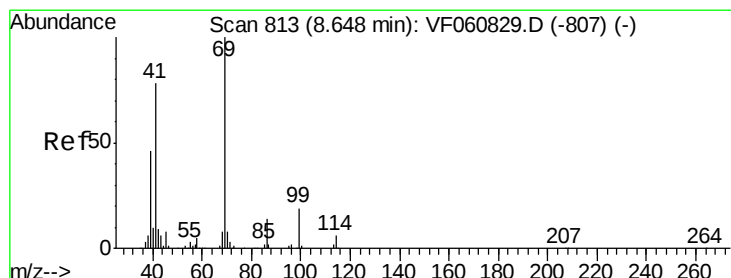
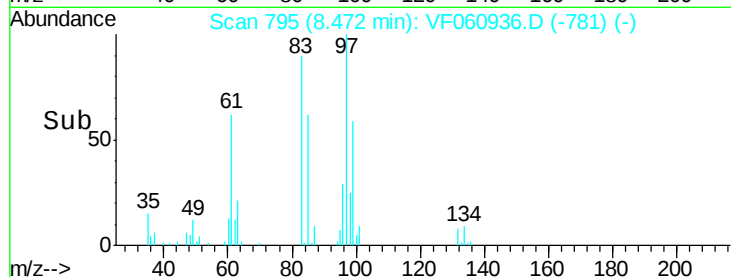
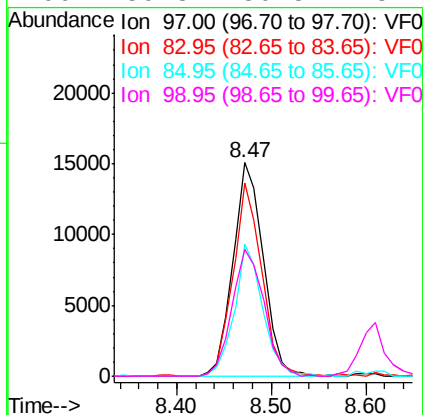
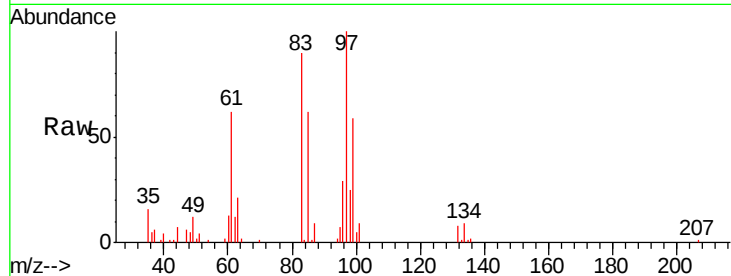
ClientSampleId :

VF1207SBS01

Tgt Ion:	97	Resp:	33526
Ion	Ratio	Lower	Upper
97	100		
83	90.3	67.8	101.6
85	61.5	45.0	67.6
99	59.3	50.5	75.7

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#56

Ethyl methacrylate

Concen: 22.106 ug/l

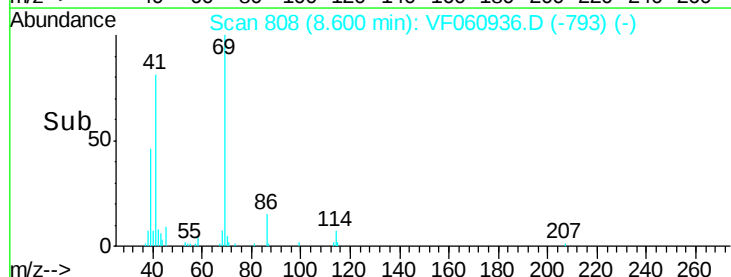
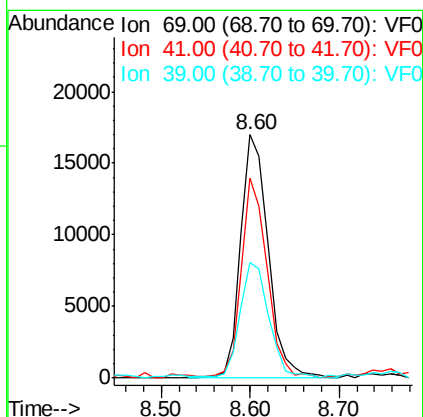
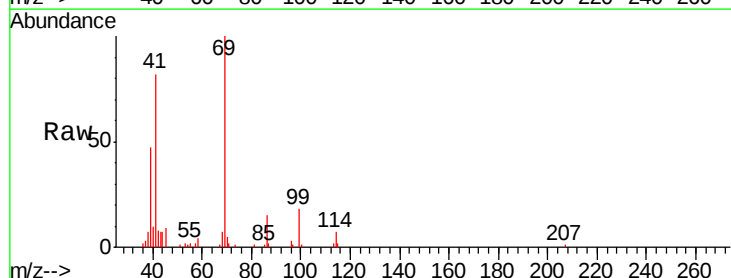
RT: 8.60 min Scan# 808

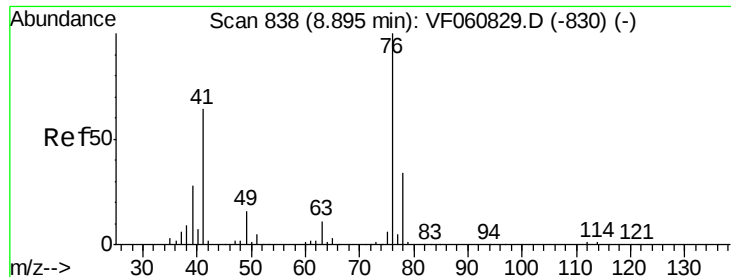
Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	69	Resp:	36648
Ion	Ratio	Lower	Upper
69	100		
41	82.2	62.6	94.0
39	47.5	37.8	56.6





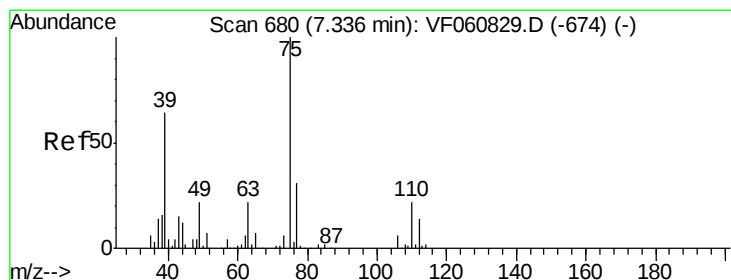
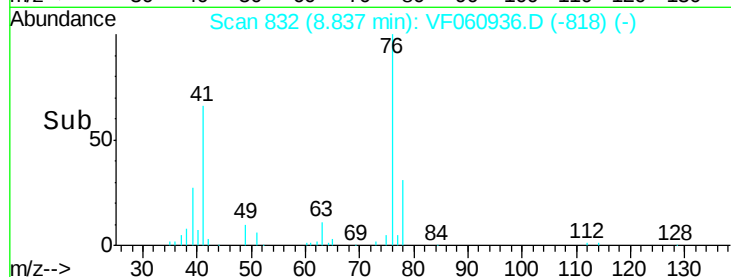
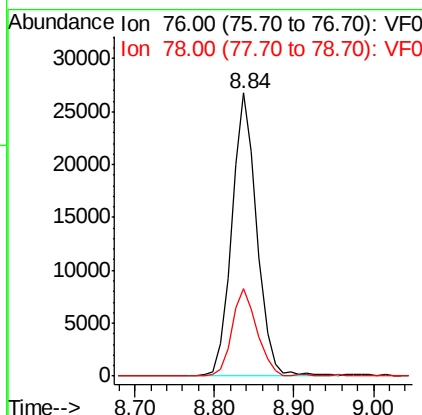
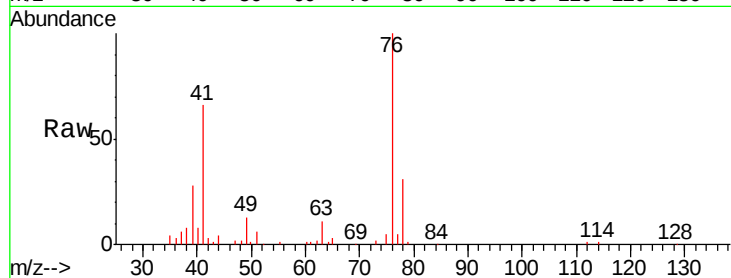
#57
 1,3-Dichloropropane
 Concen: 22.390 ug/l
 RT: 8.84 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion: 76 Resp: 58460
 Ion Ratio Lower Upper
 76 100
 78 31.1 27.0 40.4

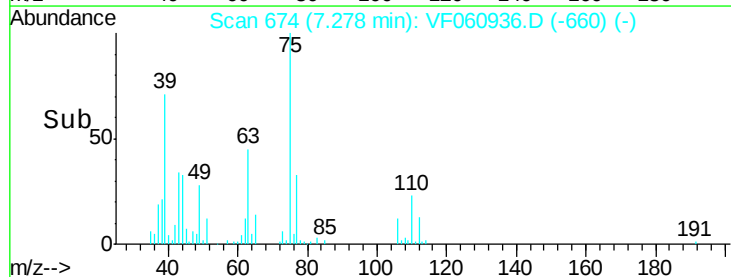
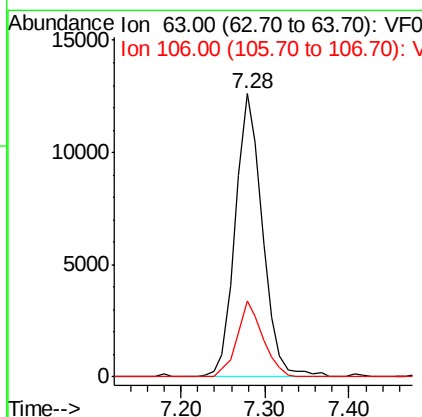
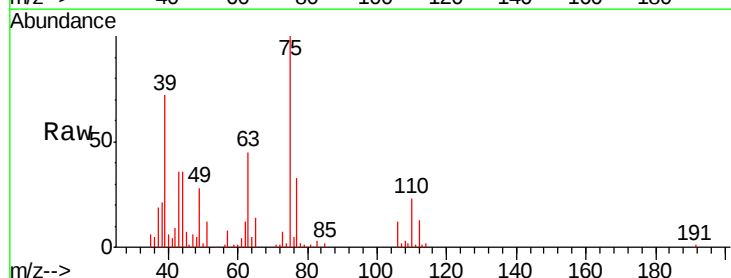
Manual Integrations
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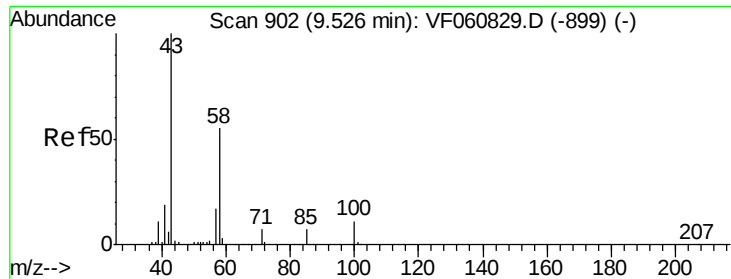
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#58
 2-Chloroethyl Vinyl ether
 Concen: 167.935 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 63 Resp: 28477
 Ion Ratio Lower Upper
 63 100
 106 26.8 23.0 34.6





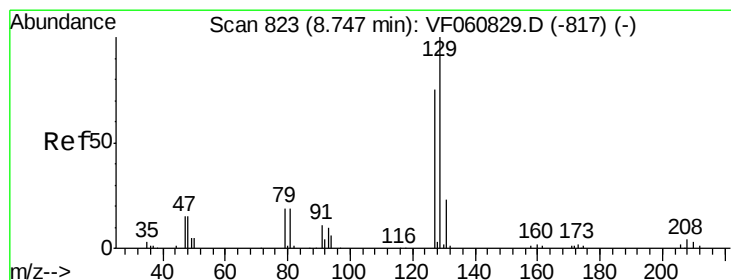
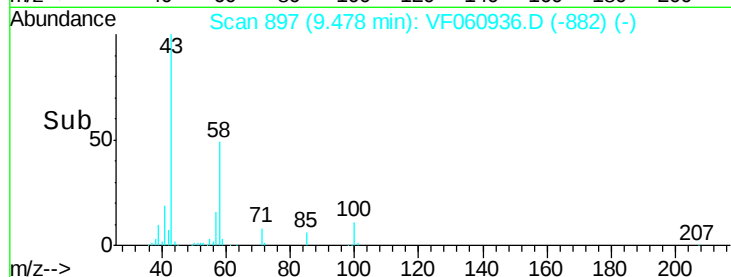
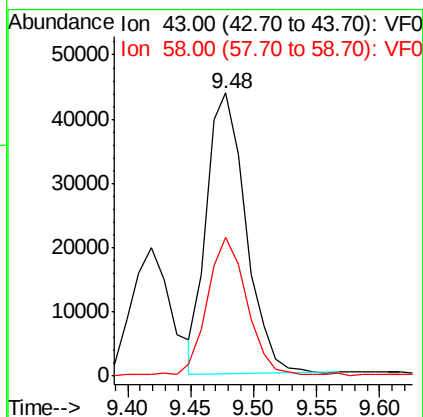
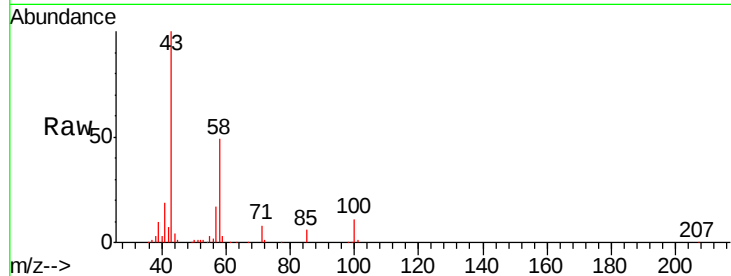
#59
2-Hexanone
Concen: 108.522 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 43 Resp: 94165
Ion Ratio Lower Upper
43 100
58 49.0 25.6 76.6

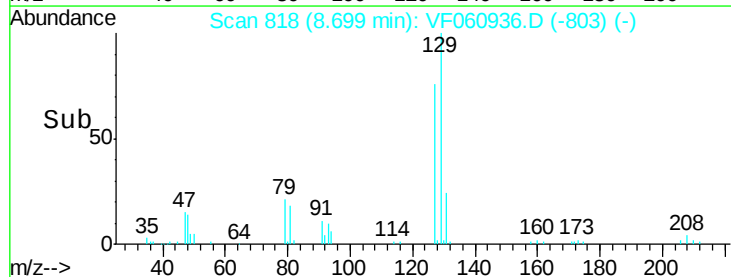
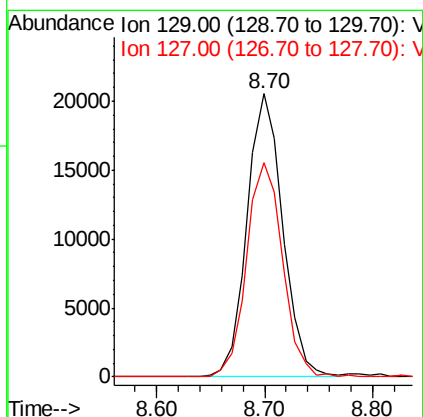
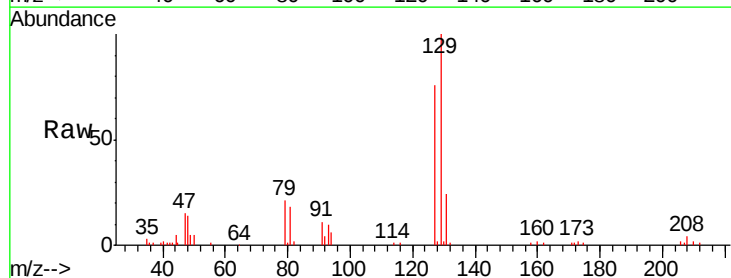
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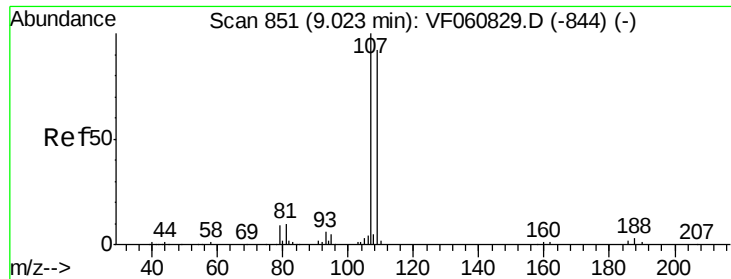
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#60
Dibromochloromethane
Concen: 21.345 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion: 129 Resp: 47462
Ion Ratio Lower Upper
129 100
127 75.8 37.3 111.9





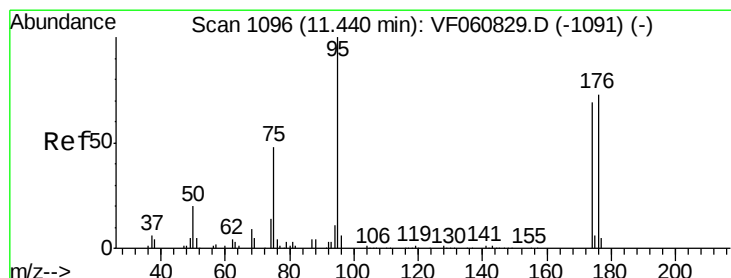
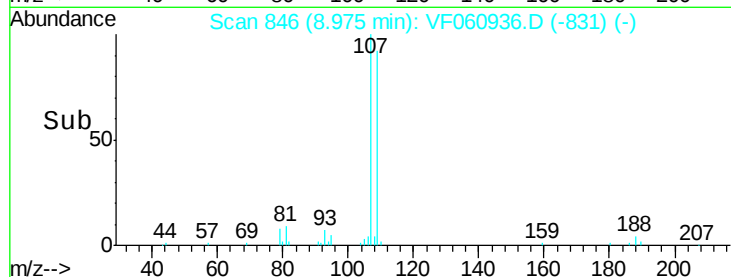
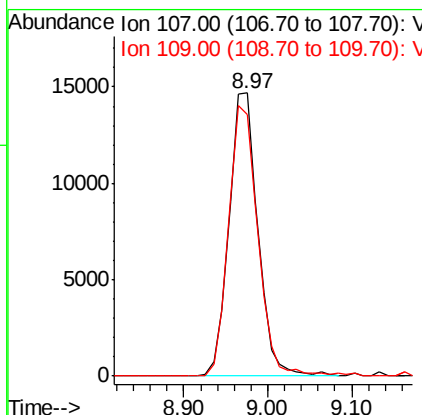
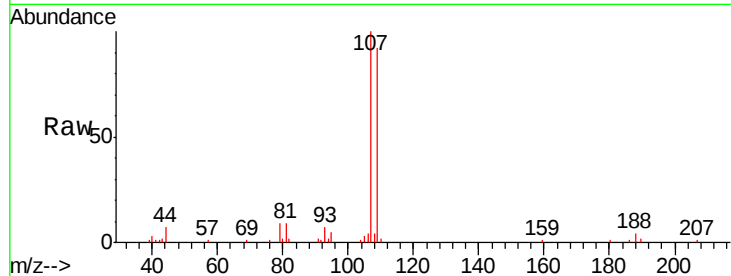
#61
 1,2-Dibromoethane
 Concen: 21.775 ug/l
 RT: 8.97 min Scan# 846
 Delta R.T. -0.05 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBSD01

Tgt Ion: 107 Resp: 35106
 Ion Ratio Lower Upper
 107 100
 109 92.5 73.6 110.4

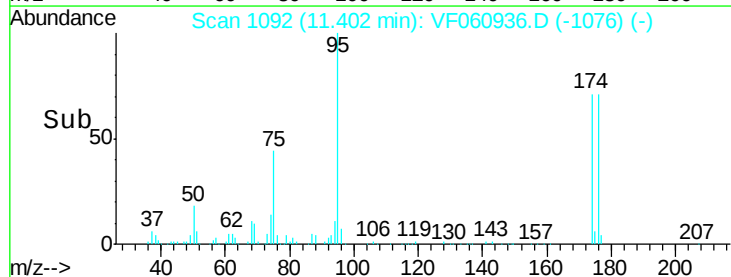
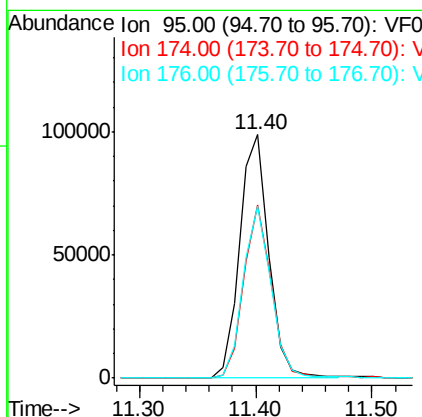
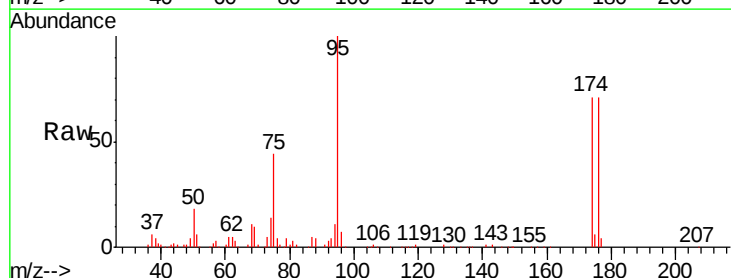
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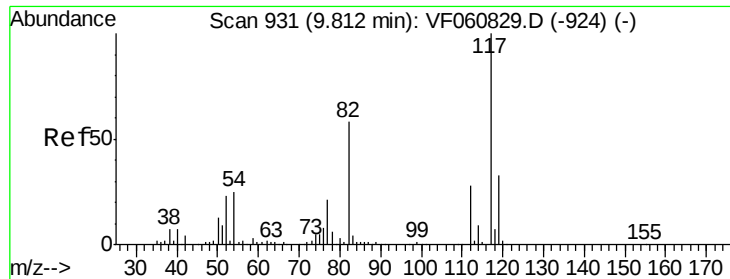
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#62
 4-Bromofluorobenzene
 Concen: 53.992 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion: 95 Resp: 170636
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 138.2
 176 70.7 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

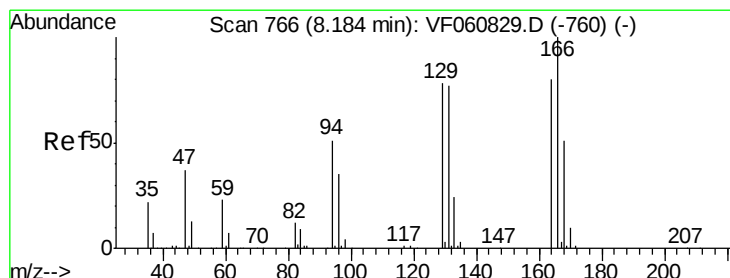
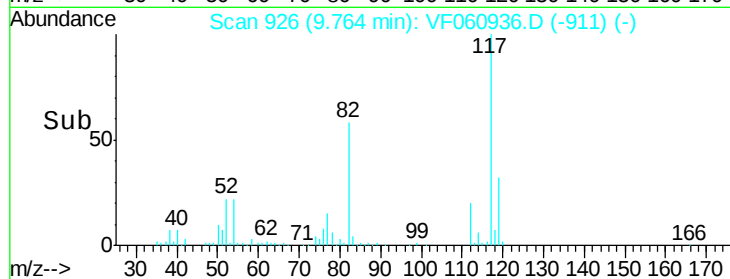
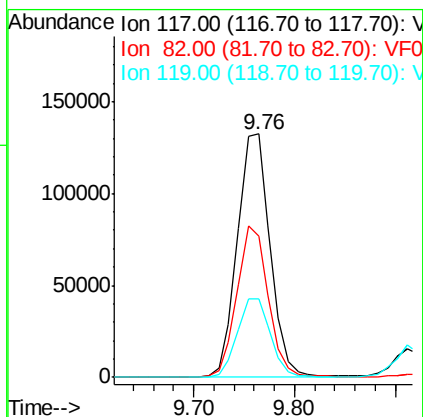
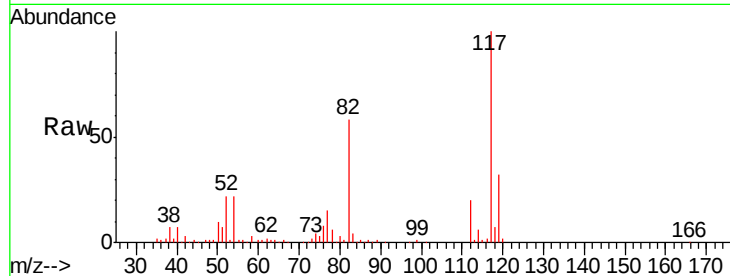
ClientSampleId :

VF1207SBS01

Tgt Ion:	117	Resp:	301777
Ion Ratio		Lower	Upper
117	100		
82	58.2	46.6	69.8
119	32.2	26.4	39.6

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#64

Tetrachloroethene

Concen: 19.831 ug/l

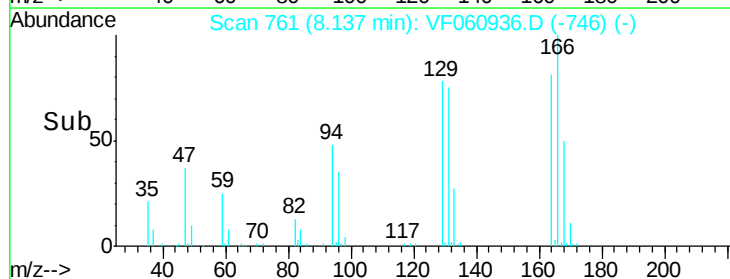
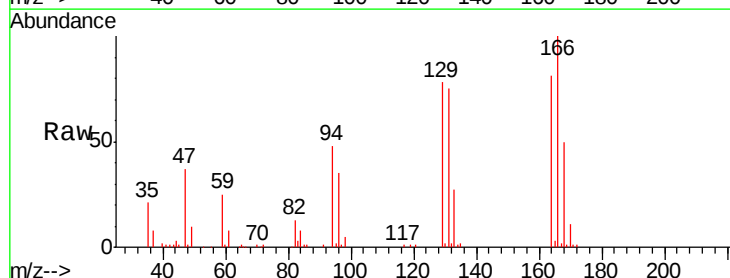
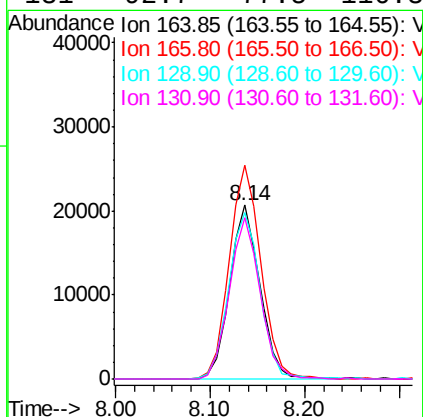
RT: 8.14 min Scan# 761

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion:	164	Resp:	45709
Ion Ratio		Lower	Upper
164	100		
166	122.9	100.3	150.5
129	96.0	77.9	116.9
131	92.7	77.5	116.3





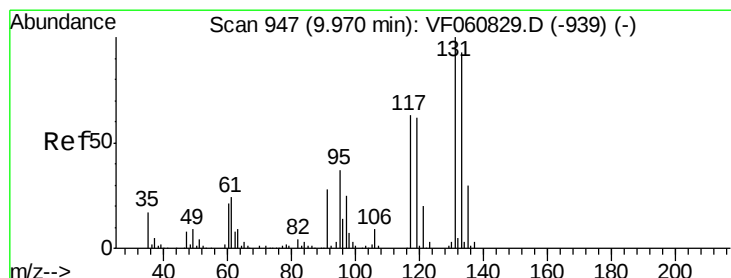
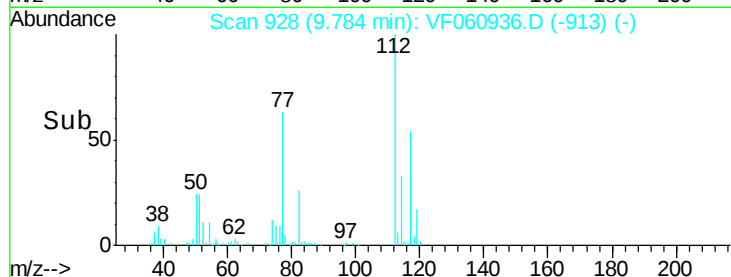
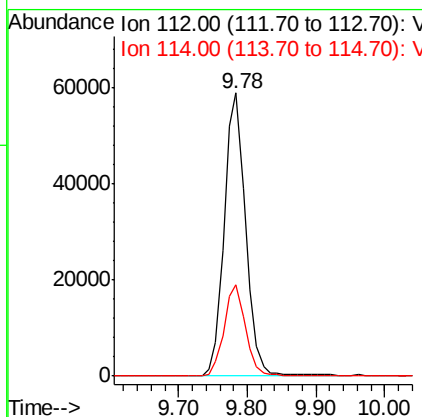
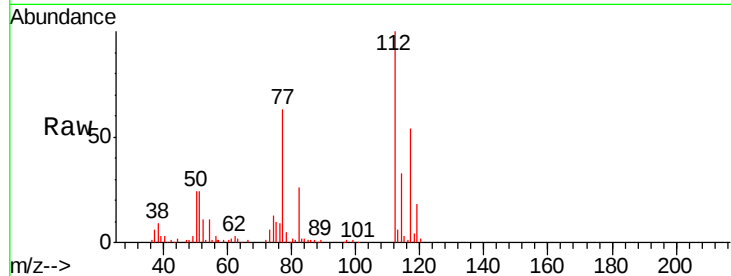
#65
Chlorobenzene
Concen: 21.679 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion:112 Resp: 127271
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

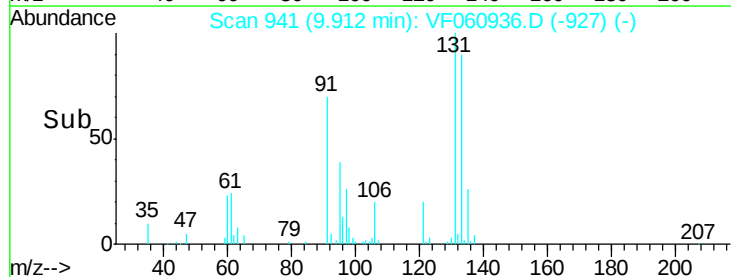
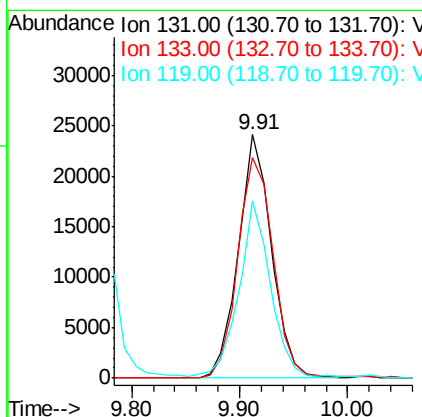
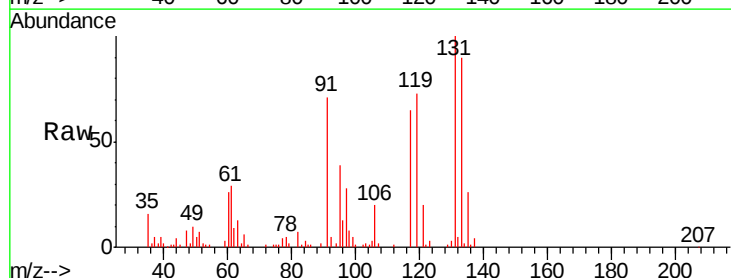
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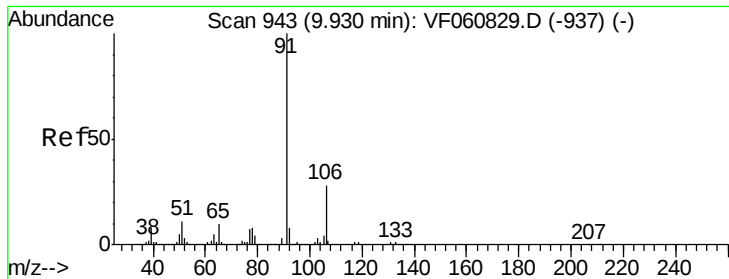
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.449 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion:131 Resp: 51610
Ion Ratio Lower Upper
131 100
133 90.4 46.5 139.3
119 72.6 31.1 93.3





#67

Ethyl Benzene

Concen: 21.569 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBSD01

Tgt Ion: 91 Resp: 235743

Ion Ratio Lower Upper

91 100

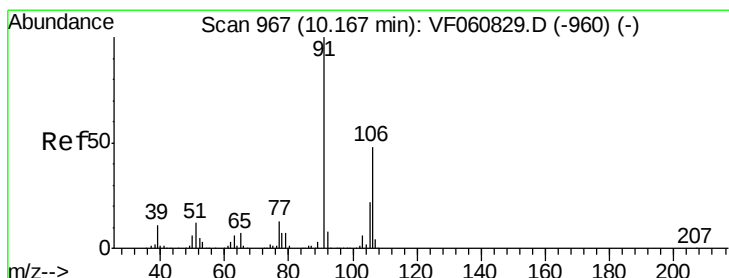
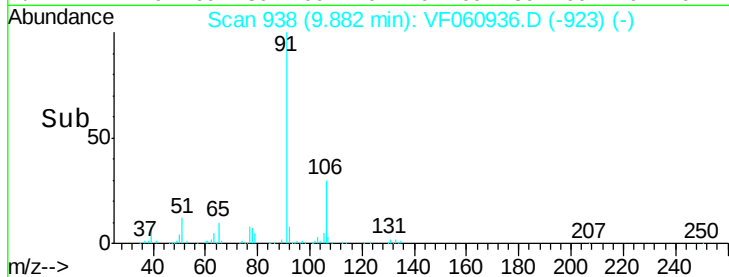
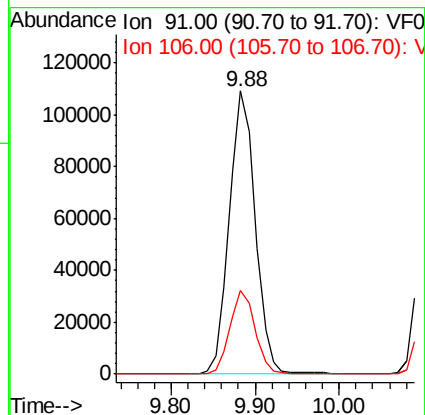
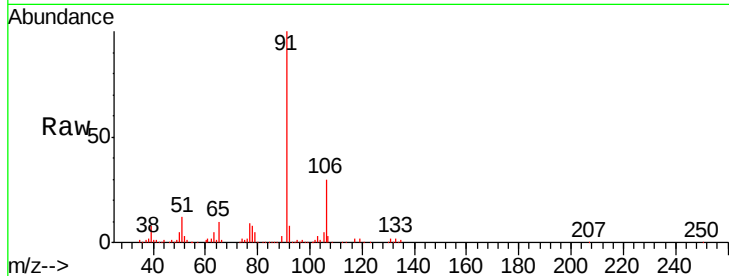
106 29.7 22.2 33.2

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#68

m/p-Xylenes

Concen: 42.833 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.06 min

Lab File: VF060936.D

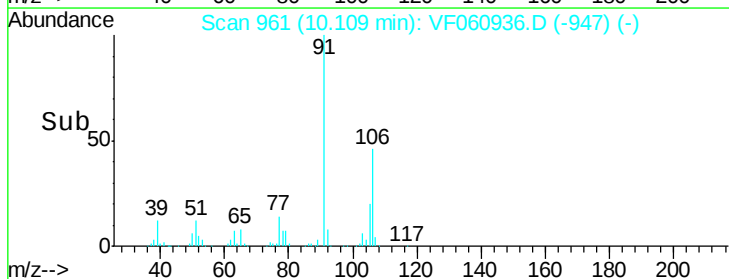
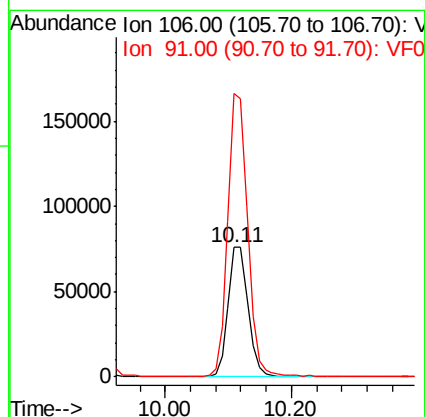
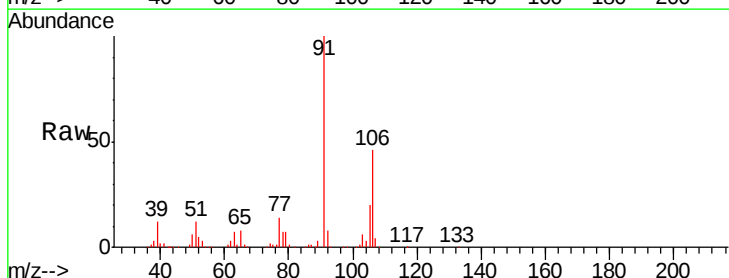
Acq: 7 Dec 2018 18:07

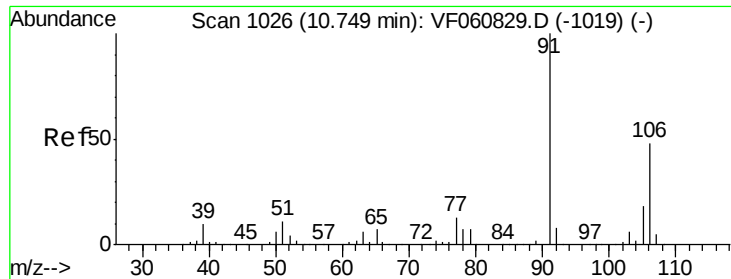
Tgt Ion: 106 Resp: 168374

Ion Ratio Lower Upper

106 100

91 218.3 166.7 250.1





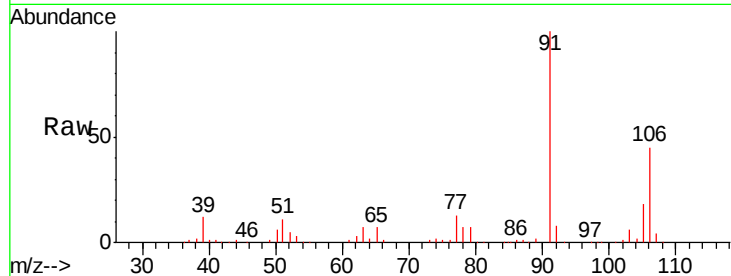
#69
o-Xylene
Concen: 21.051 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

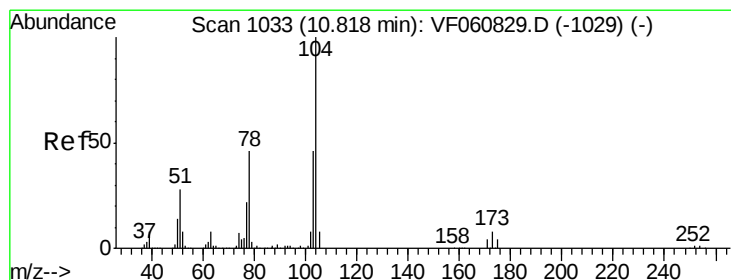
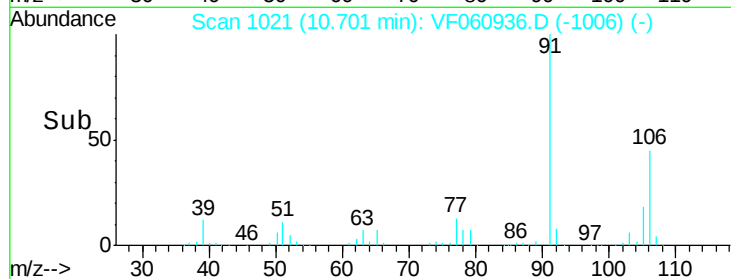
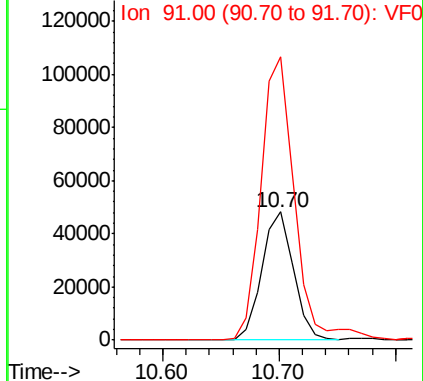
Tgt Ion:106 Resp: 91249
Ion Ratio Lower Upper
106 100
91 221.0 104.8 314.6

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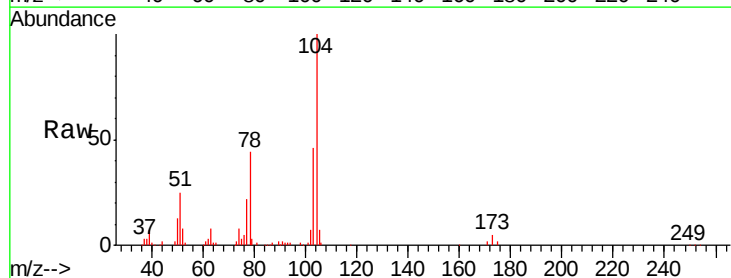


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

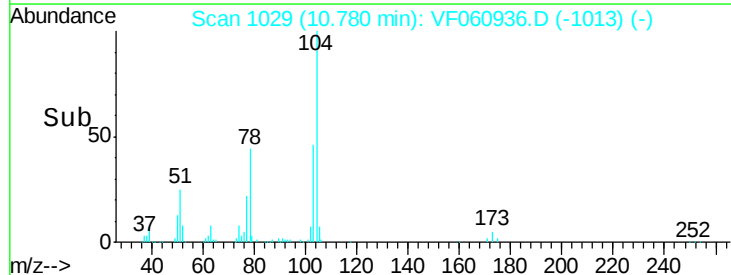
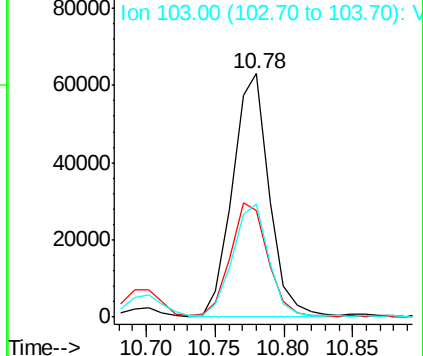


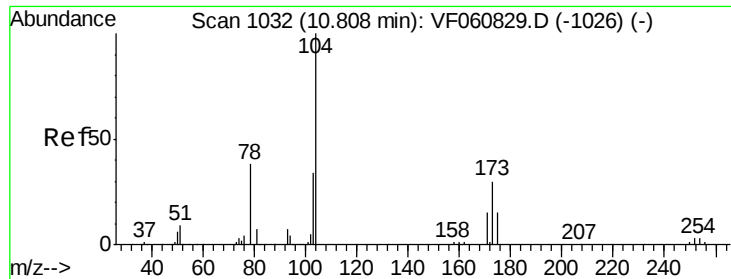
#70
Styrene
Concen: 19.410 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion:104 Resp: 116628
Ion Ratio Lower Upper
104 100
78 43.6 37.3 55.9
103 46.4 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





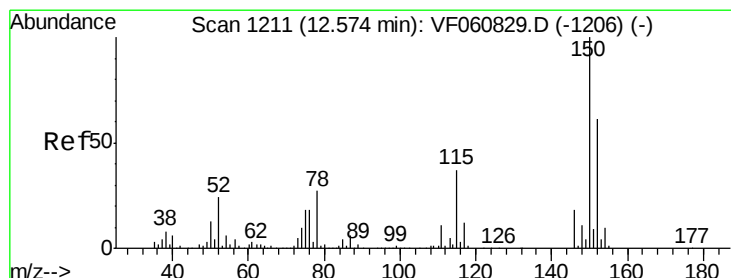
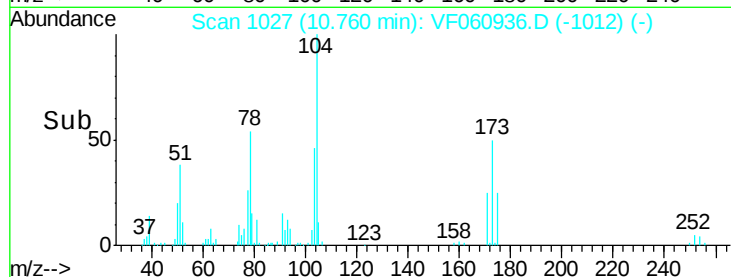
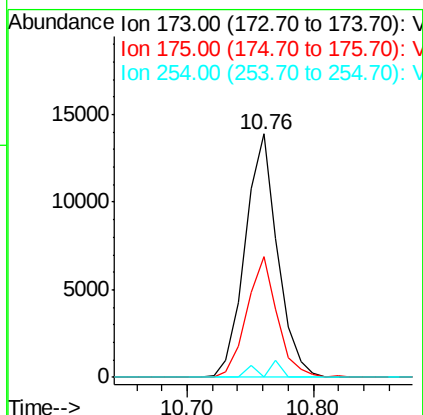
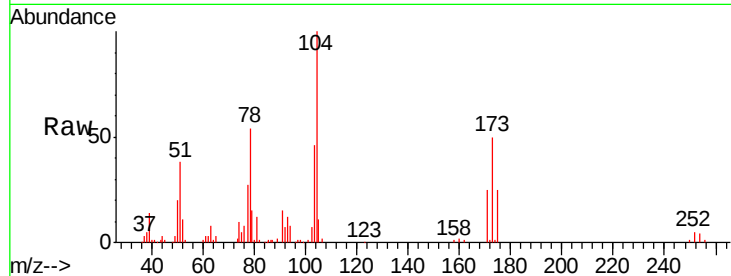
#71
Bromoform
Concen: 20.379 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	25.5	76.5
254	0.0	7.5	11.3

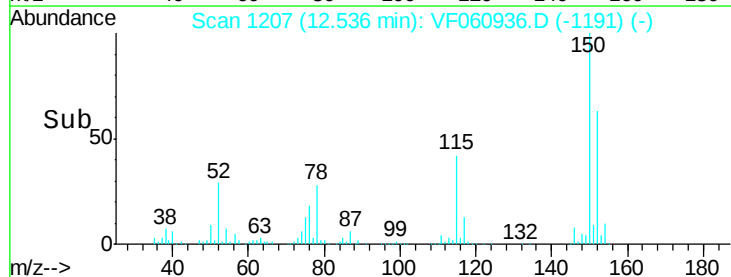
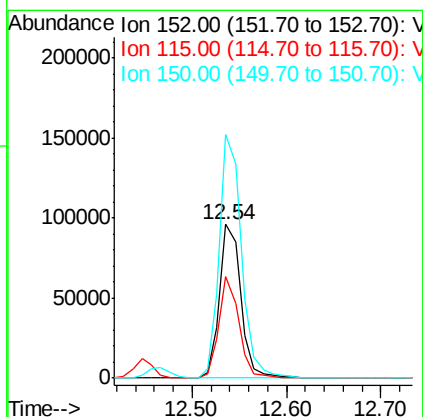
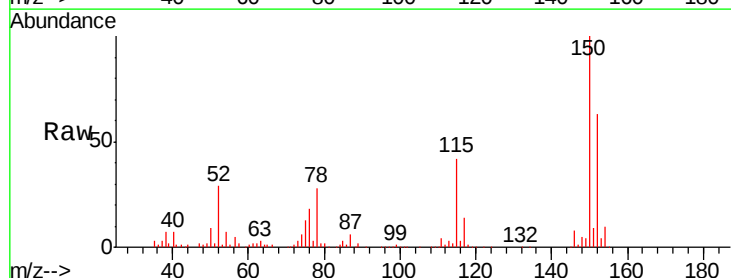
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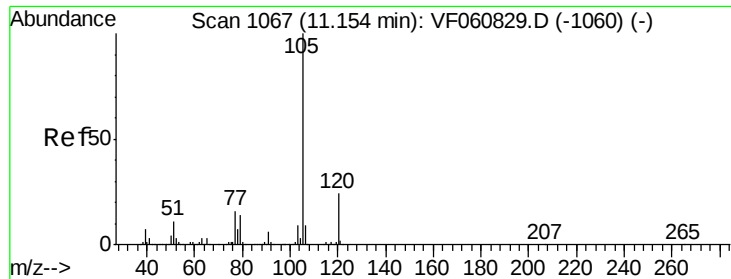
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.9	30.1	90.5
150	158.4	0.0	327.6





#73

Isopropylbenzene

Concen: 23.483 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 105 Resp: 282167

Ion Ratio Lower Upper

105 100

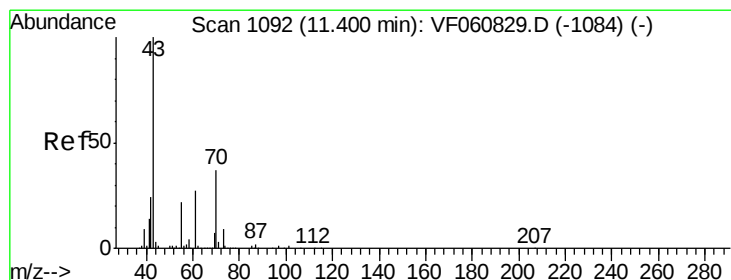
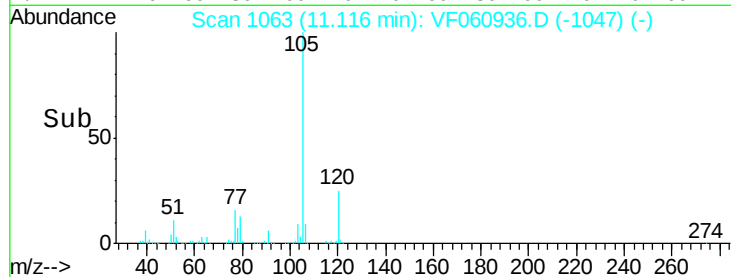
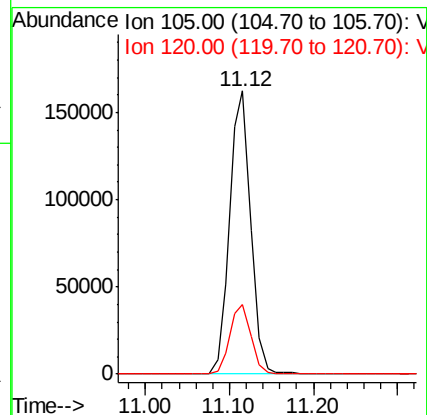
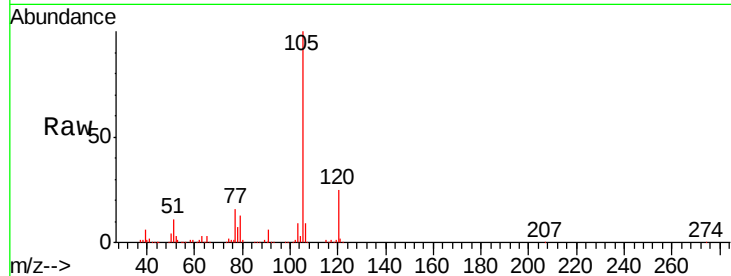
120 24.7 12.2 36.4

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#74

N-ethyl acetate

Concen: 22.695 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Tgt Ion: 43 Resp: 62970

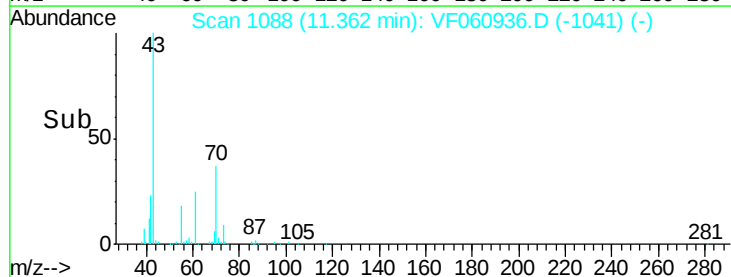
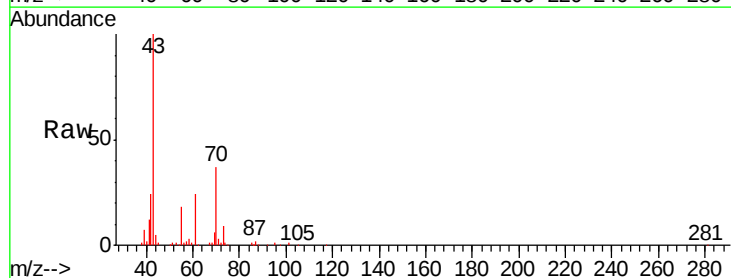
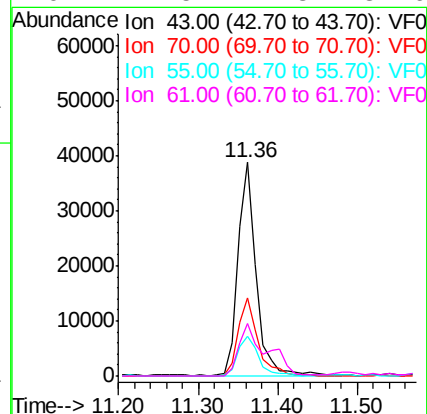
Ion Ratio Lower Upper

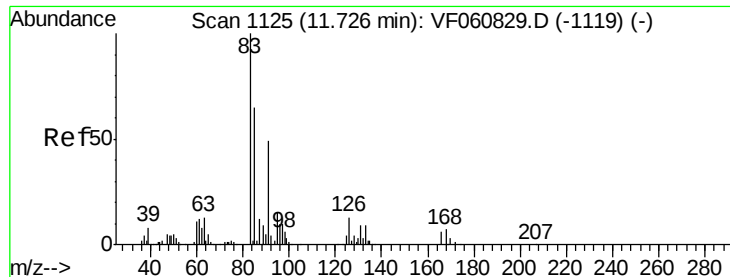
43 100

70 36.8 29.6 44.4

55 18.4 17.2 25.8

61 24.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.033 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 83 Resp: 47527

Ion Ratio Lower Upper

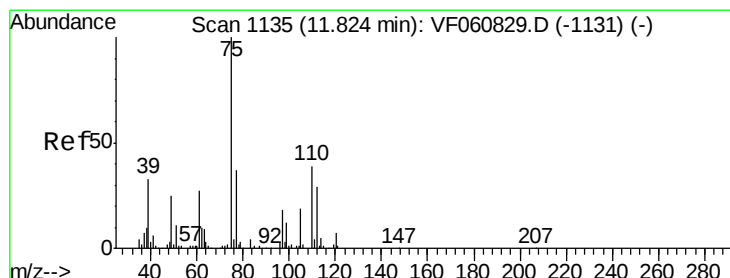
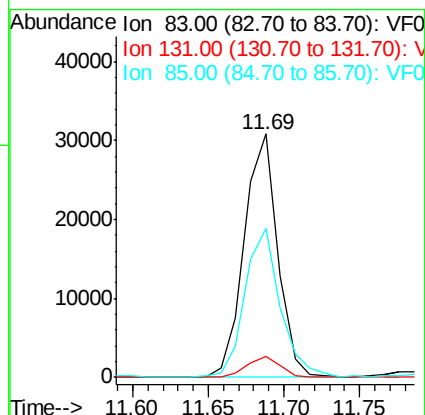
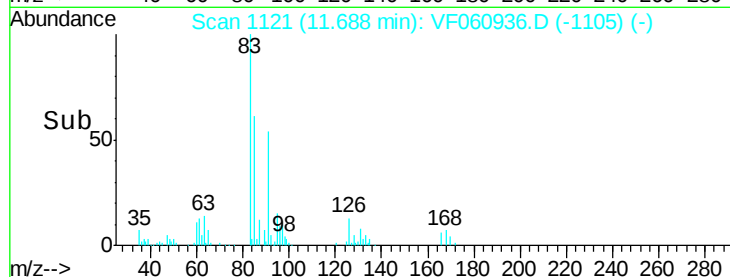
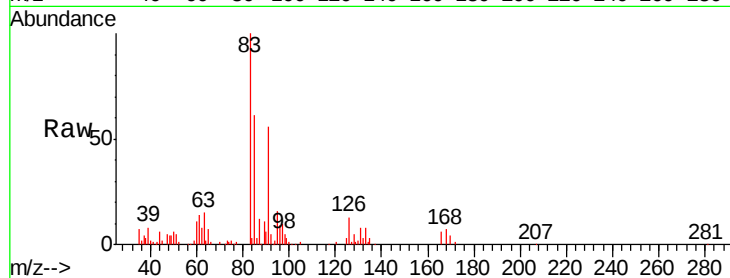
83 100

131 8.3 4.7 14.1

85 61.1 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 24.294 ug/l m

RT: 11.79 min Scan# 1131

Delta R.T. -0.04 min

Lab File: VF060936.D

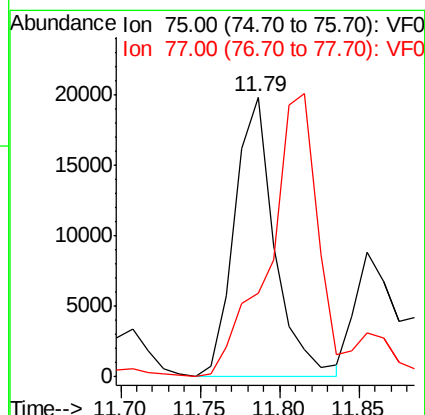
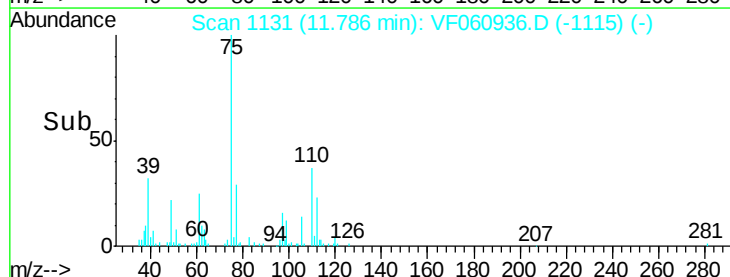
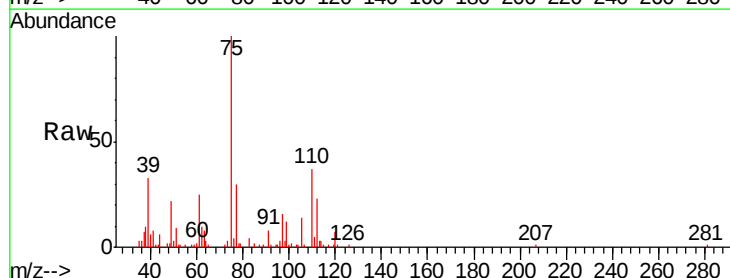
Acq: 7 Dec 2018 18:07

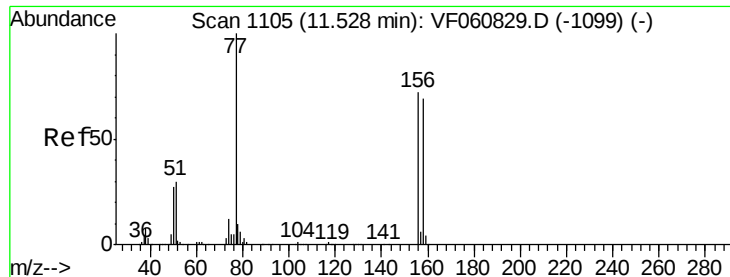
Tgt Ion: 75 Resp: 34920

Ion Ratio Lower Upper

75 100

77 30.0 18.4 55.4





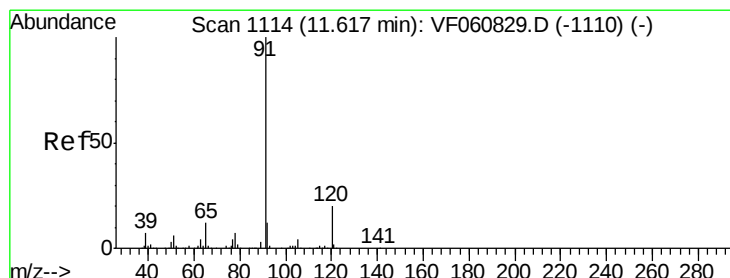
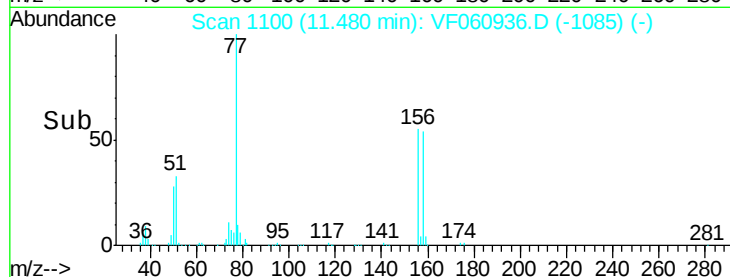
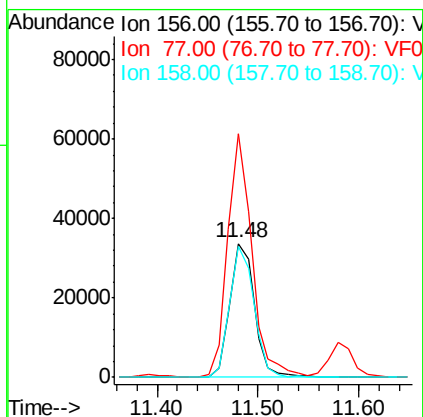
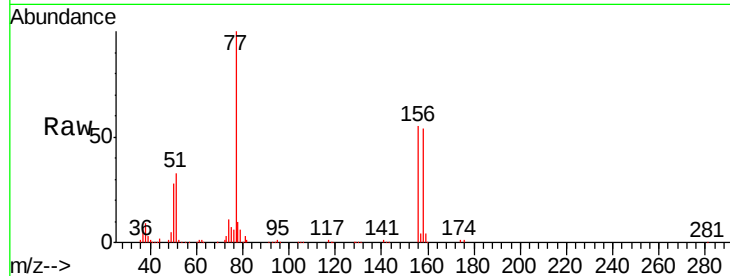
#77
Bromobenzene
Concen: 21.698 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.05 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.6	69.7	209.0
158	97.8	47.8	143.4

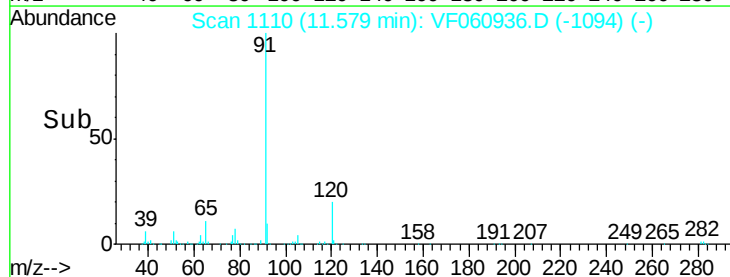
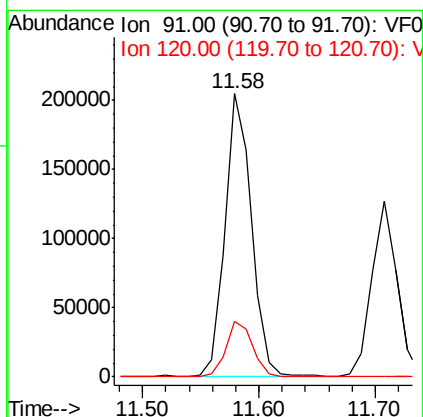
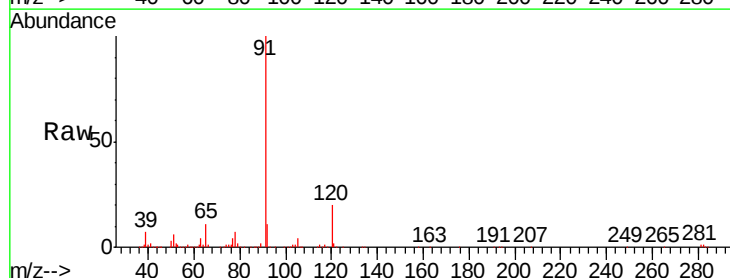
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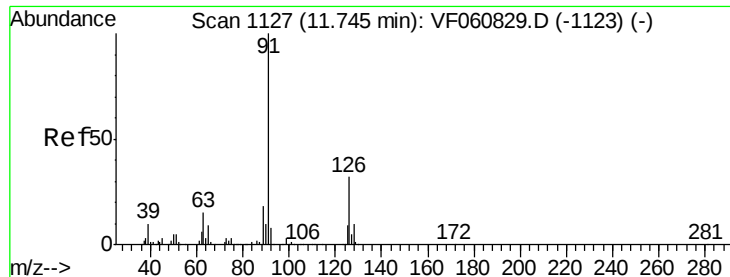
apatel
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#78
n-propylbenzene
Concen: 22.891 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.5	10.3	30.8





#79

2-Chlorotoluene

Concen: 23.669 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF060936.D

Acq: 7 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 91 Resp: 190974

Ion Ratio Lower Upper

91 100

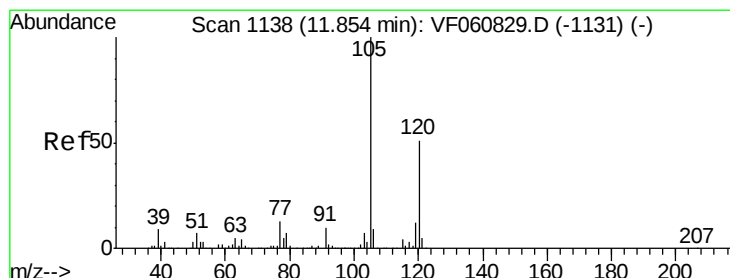
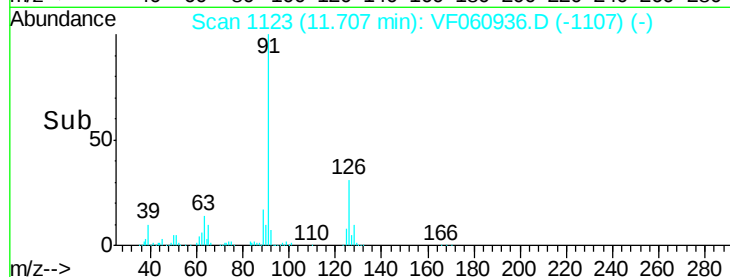
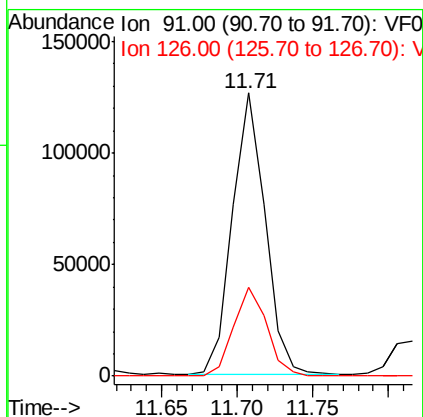
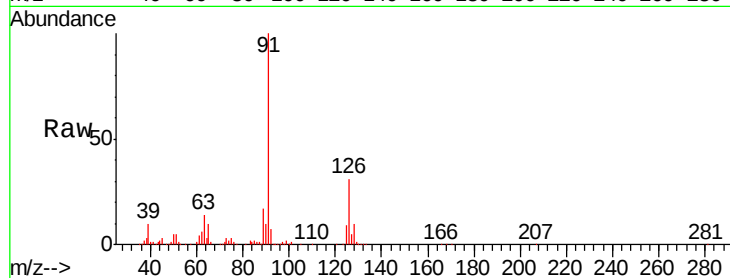
126 31.3 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 23.496 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF060936.D

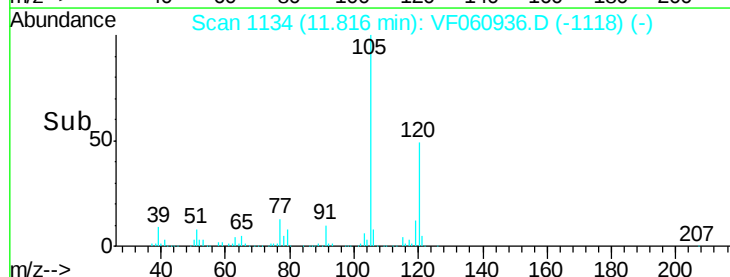
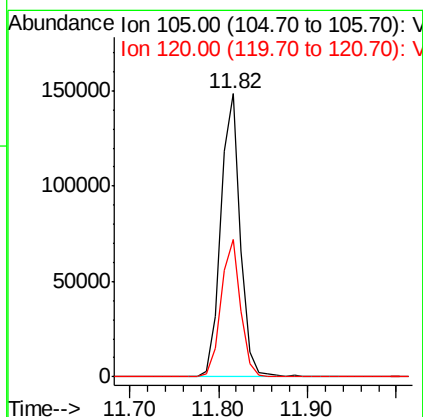
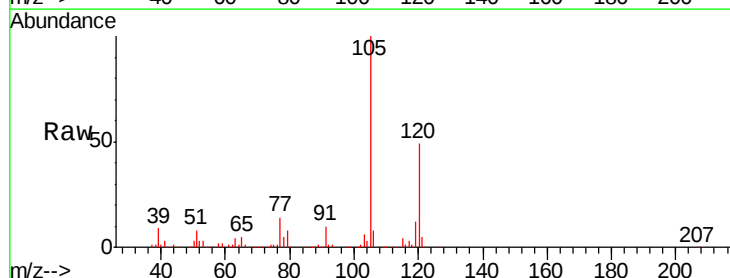
Acq: 7 Dec 2018 18:07

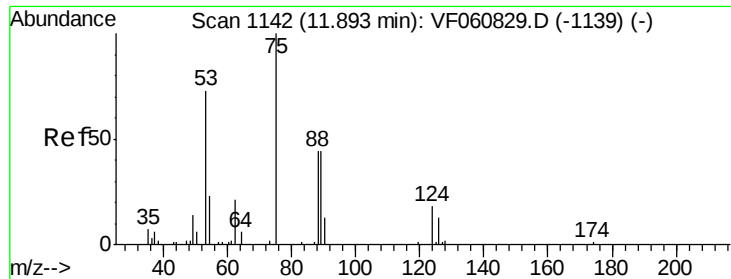
Tgt Ion: 105 Resp: 229192

Ion Ratio Lower Upper

105 100

120 48.6 25.8 77.3





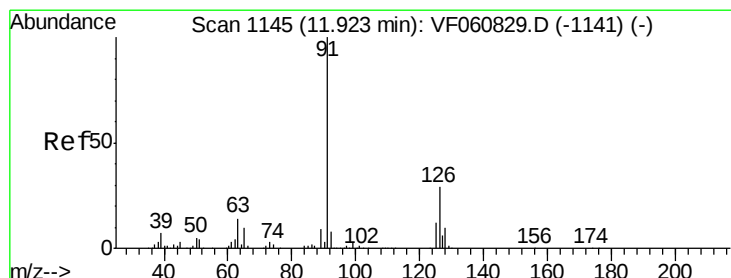
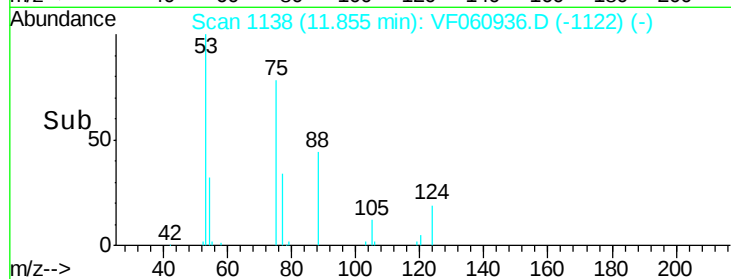
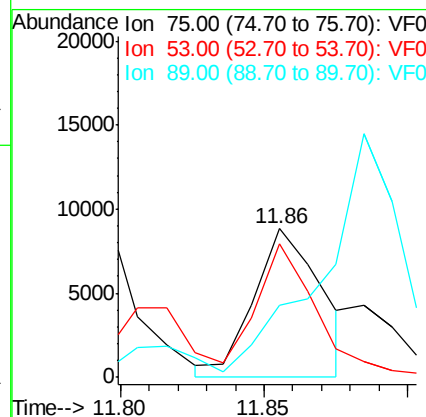
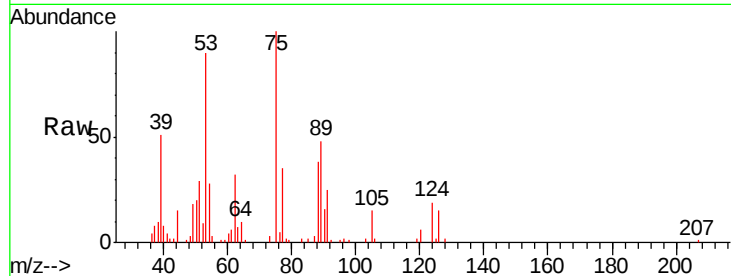
#81
trans-1,4-Dichloro-2-butene
Concen: 20.720 ug/l m
RT: 11.86 min Scan# 1138
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.6	65.9	98.9
89	48.3	38.8	58.2

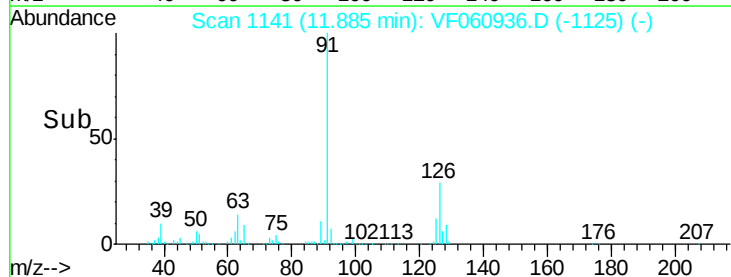
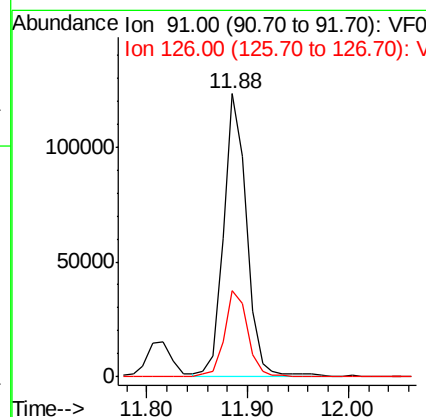
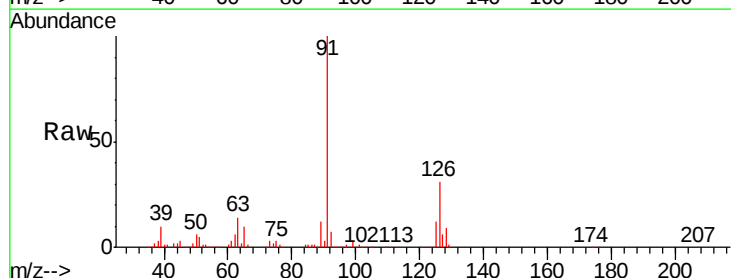
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#82
4-Chlorotoluene
Concen: 22.748 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.8	44.4





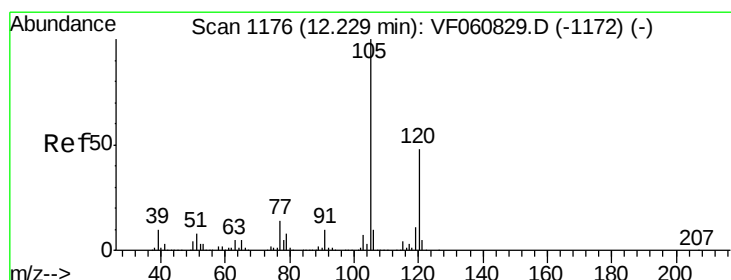
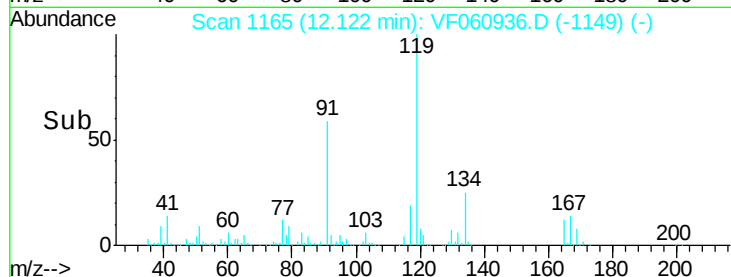
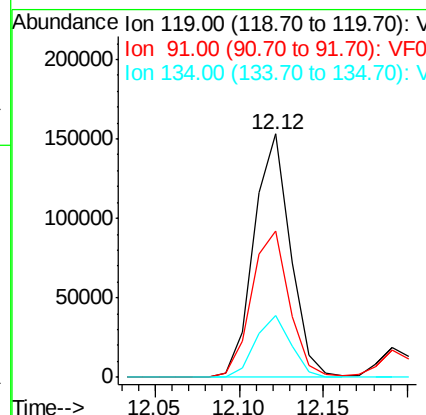
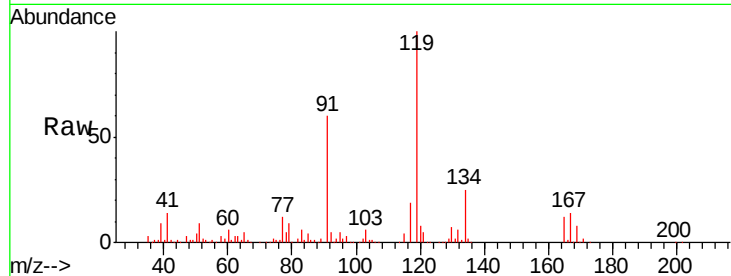
#83
tert-Butylbenzene
Concen: 23.164 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.1	90.3
134	25.3	12.6	37.8

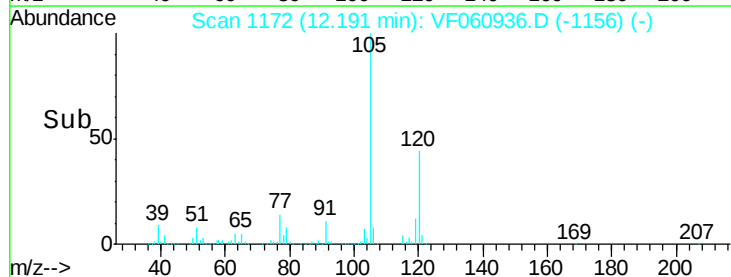
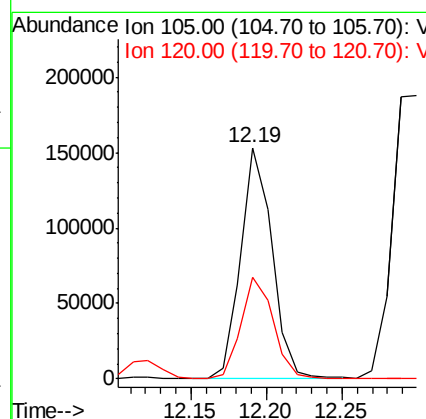
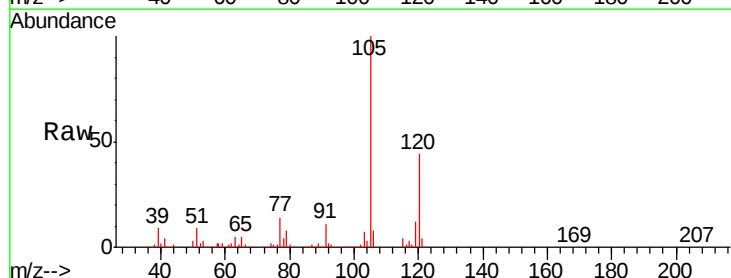
Manual Integrations
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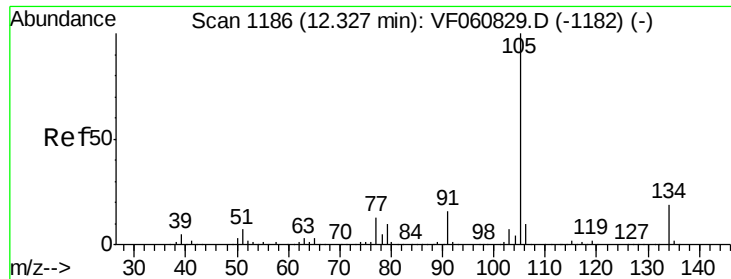
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#84
1,2,4-Trimethylbenzene
Concen: 22.769 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	23.8	71.5





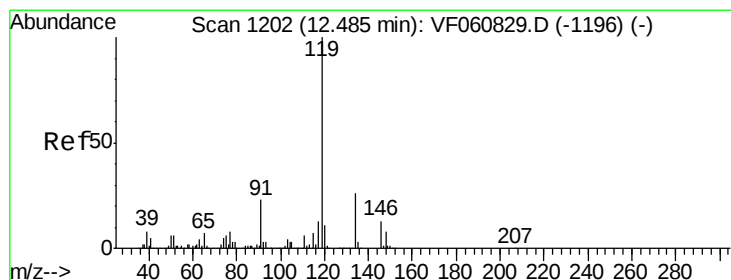
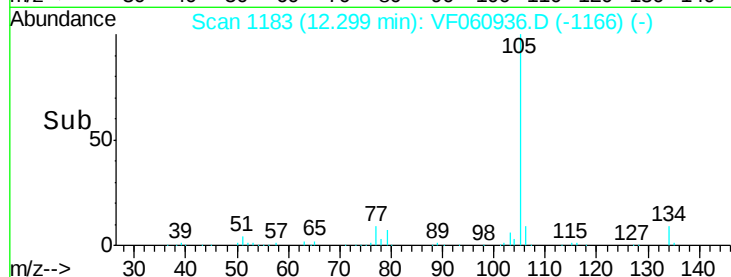
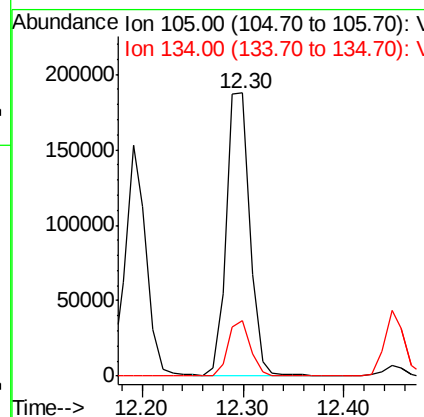
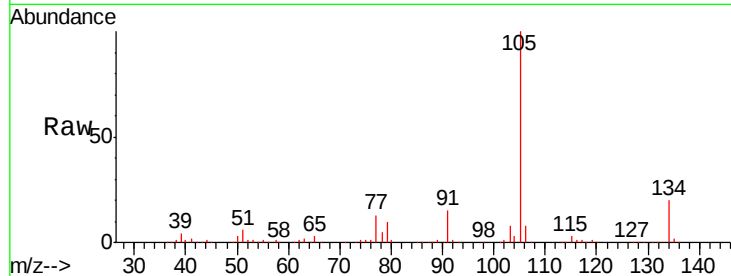
#85
 sec-Butylbenzene
 Concen: 22.515 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion:105 Resp: 306262
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.5 28.5

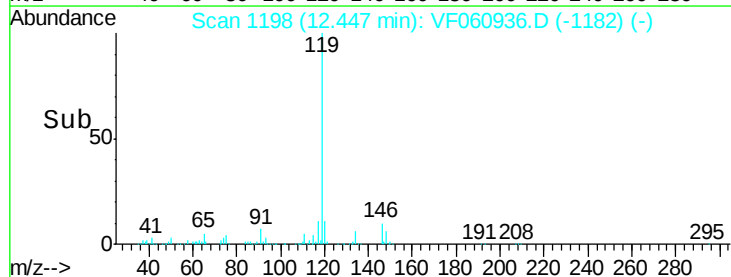
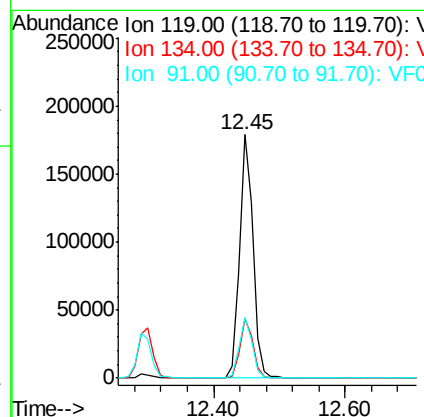
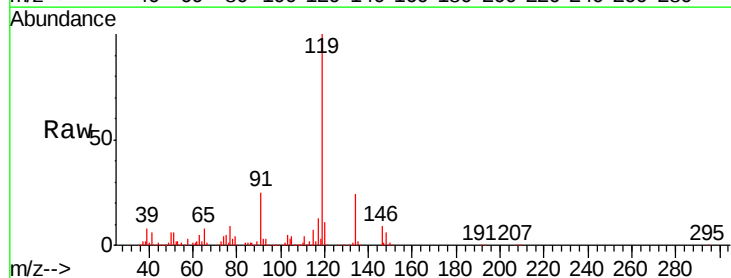
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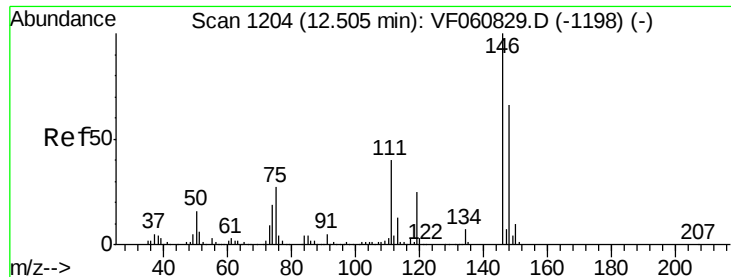
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#86
 p-Isopropyltoluene
 Concen: 22.495 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion:119 Resp: 256539
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.9 38.6
 91 25.1 11.8 35.3





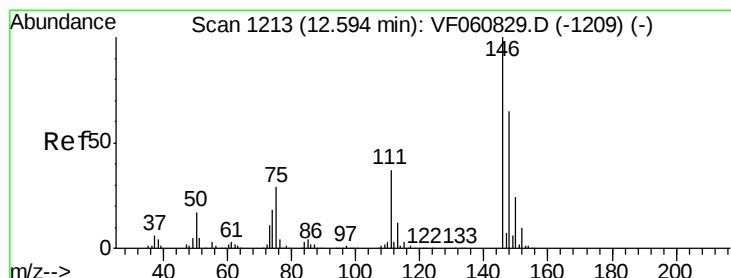
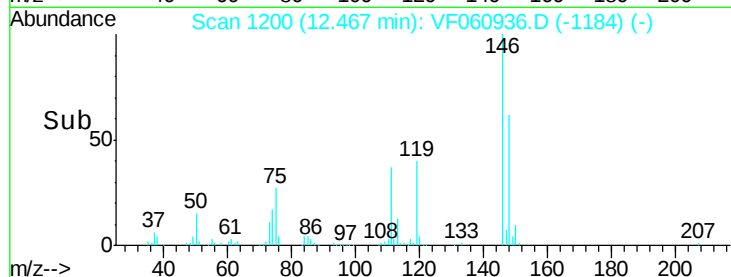
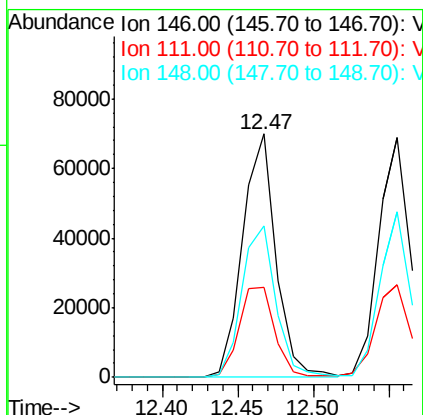
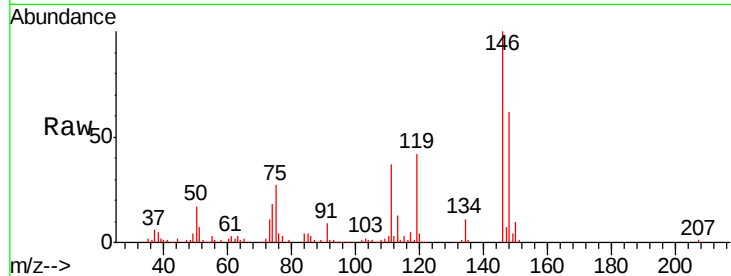
#87
 1,3-Dichlorobenzene
 Concen: 21.436 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.0	59.9
148	62.2	32.9	98.6

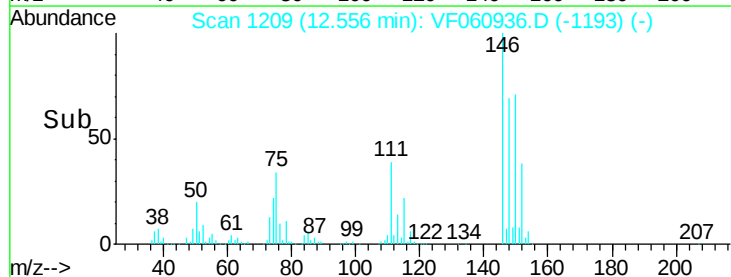
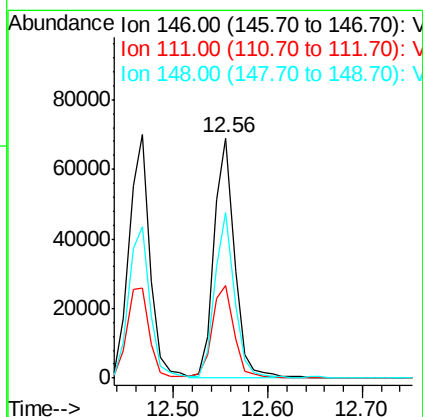
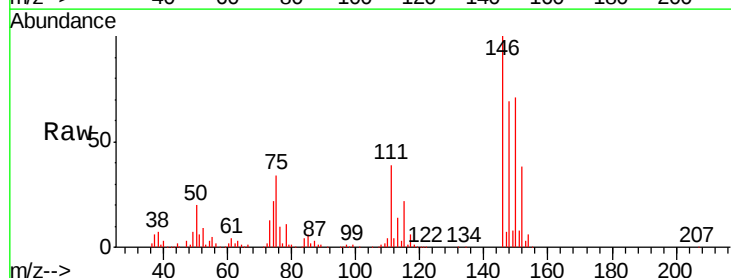
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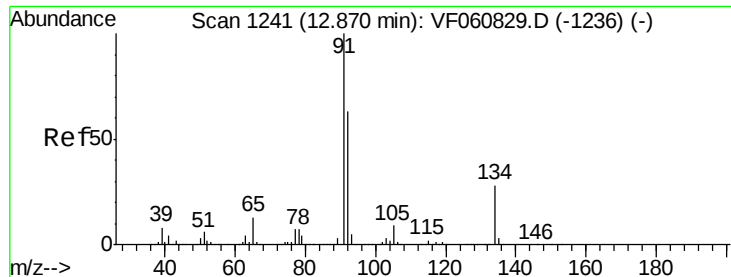
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#88
 1,4-Dichlorobenzene
 Concen: 21.381 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.7
148	68.7	32.3	96.9





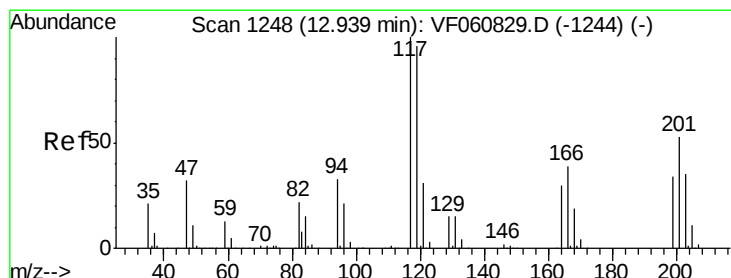
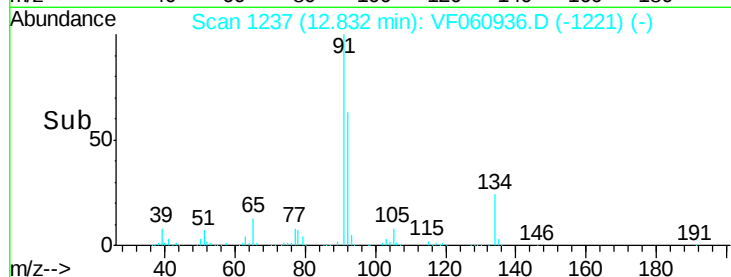
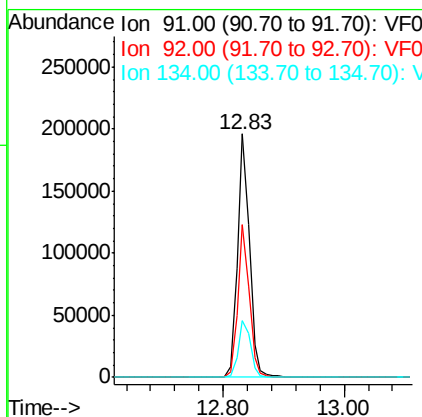
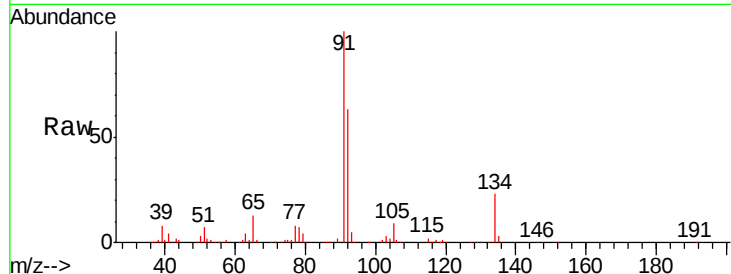
#89
n-Butylbenzene
Concen: 23.482 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.9	31.6	94.7
134	23.5	13.8	41.4

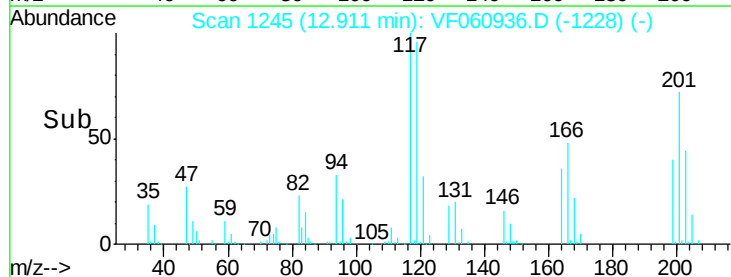
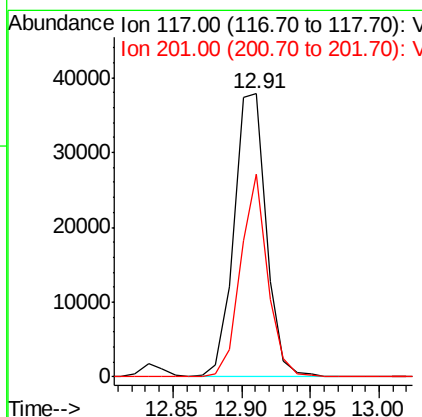
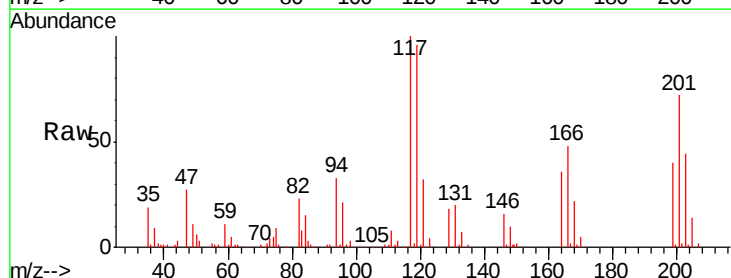
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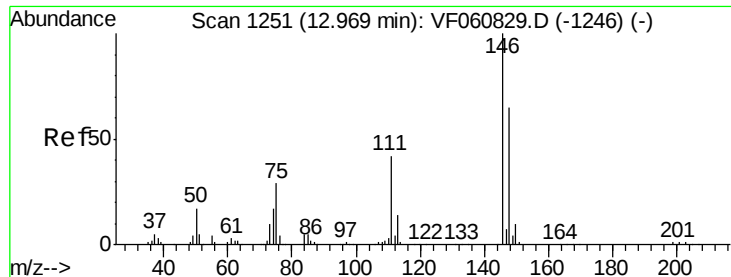
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#90
Hexachloroethane
Concen: 22.598 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	26.7	80.1





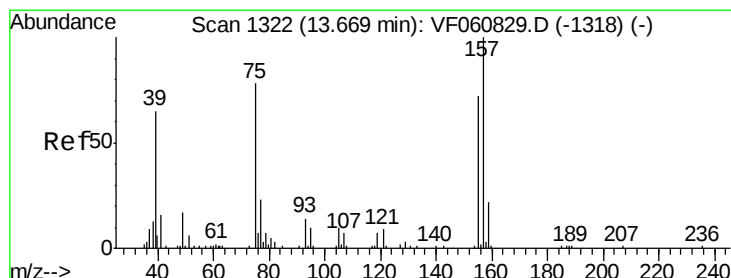
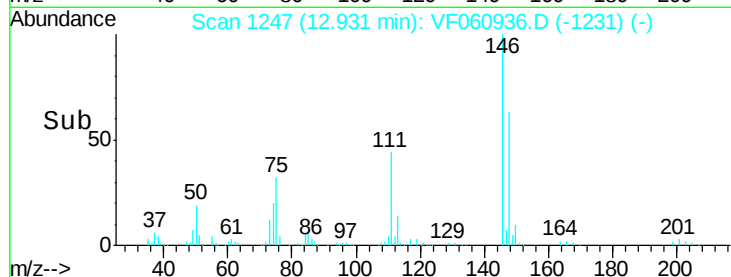
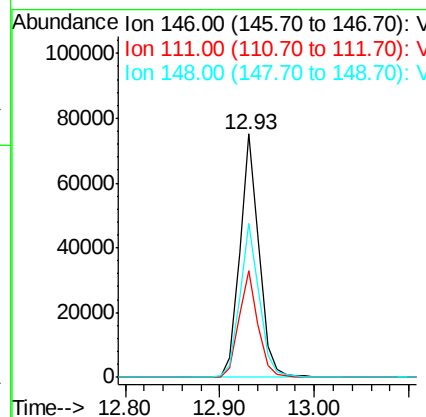
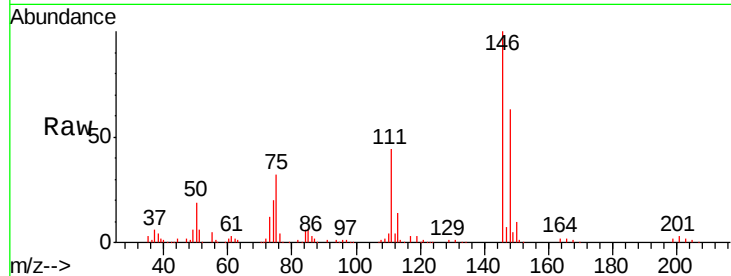
#91
 1,2-Dichlorobenzene
 Concen: 22.451 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106536		
111	43.9	21.2	63.6	
148	63.5	32.5	97.5	

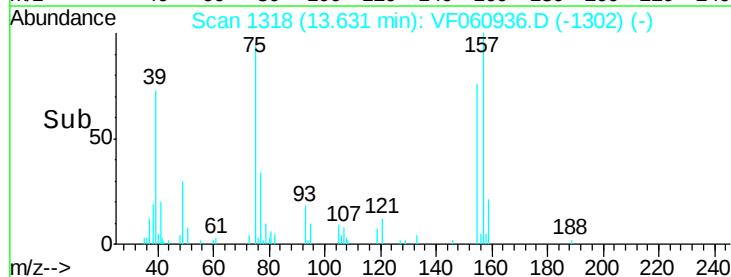
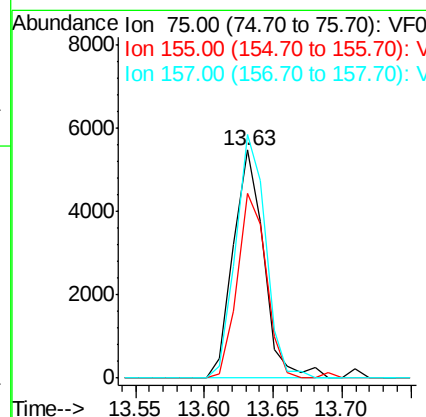
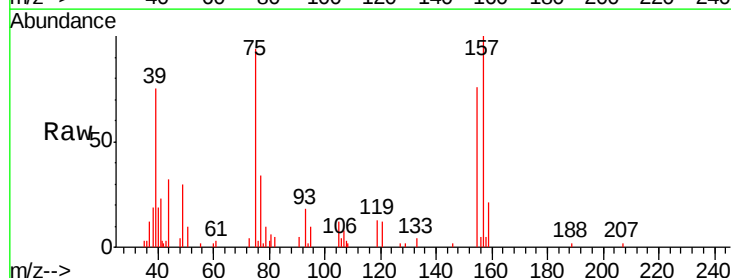
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.028 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8422		
155	80.7	45.6	136.9	
157	106.8	63.8	191.5	





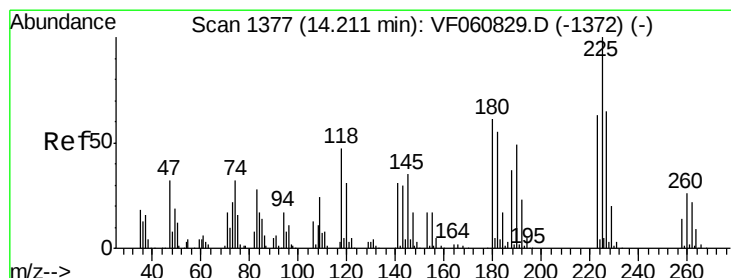
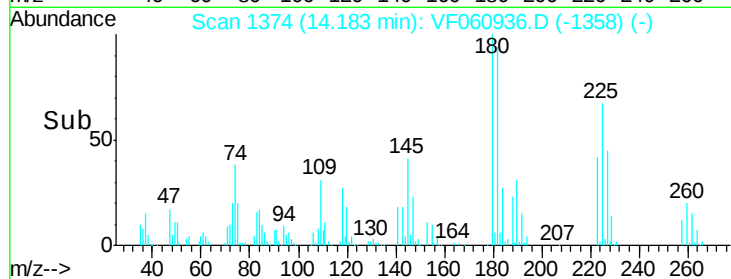
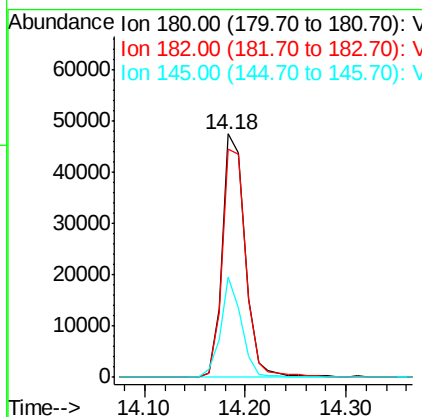
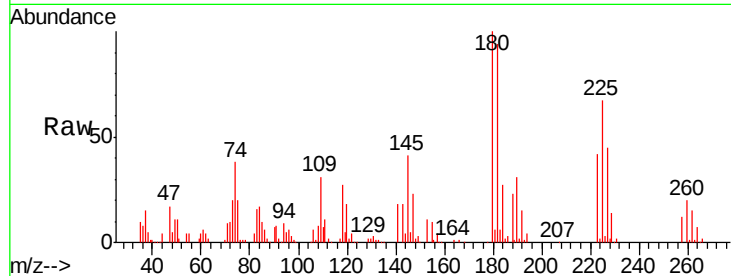
#93
 1,2,4-Trichlorobenzene
 Concen: 22.782 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.04 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75538		
182	94.0	48.5	145.5	
145	41.0	18.1	54.3	

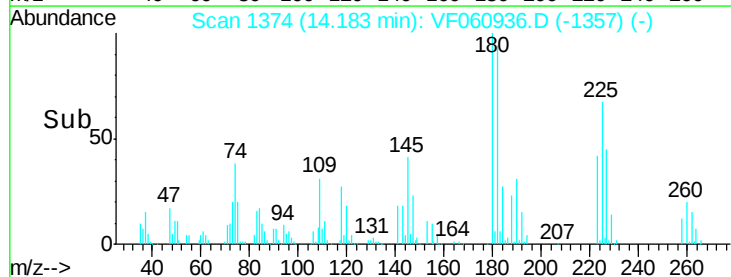
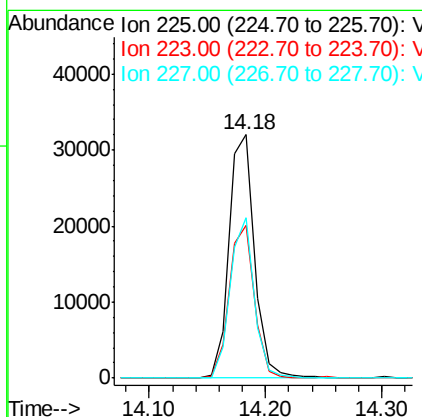
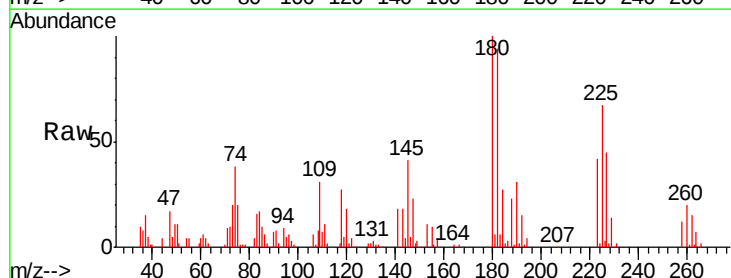
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 21.966 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060936.D
 Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48551		
223	62.9	31.4	94.3	
227	66.0	32.5	97.5	





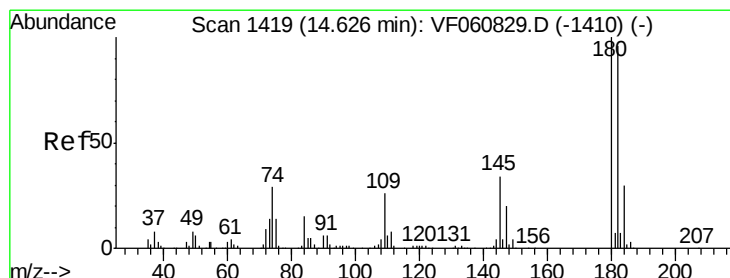
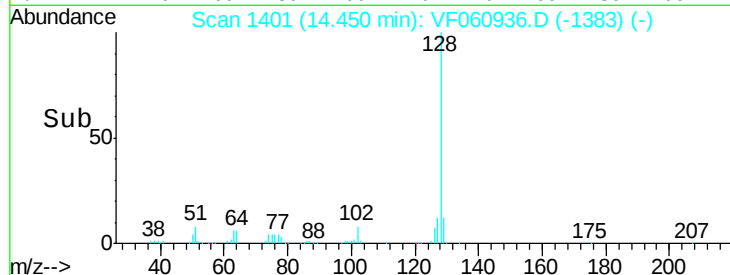
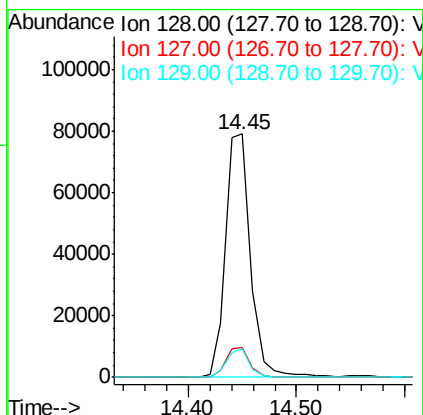
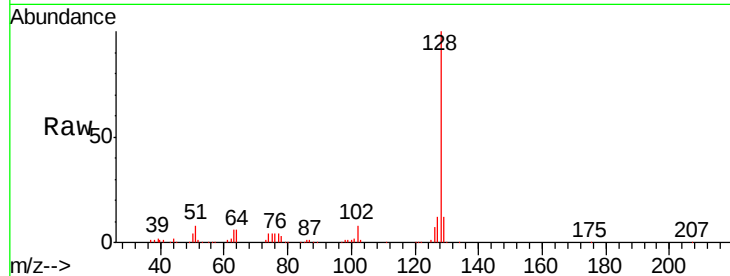
#95
Naphthalene
Concen: 17.493 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	127214		
127	12.2	9.9	14.9	
129	11.9	9.1	13.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.877 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.04 min
Lab File: VF060936.D
Acq: 7 Dec 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	70429		
182	96.5	47.9	143.8	
145	37.0	17.2	51.5	

