

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061017.D
 Acq On : 14 Dec 2018 13:49
 Operator : VA/AP
 Sample : VF1214SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBSD01

Manual Integrations
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 12/15/2018 3:25:42 PM

Quant Time: Dec 15 00:45:16 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	4.86	168	191488	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	305962	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	280659	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	158700	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	119332	52.90	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	4.10	113	126019	51.92	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	7.54	98	337933	47.26	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.40	95	166345	51.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	56670	19.793	ug/l	94
3) Chloromethane	1.09	50	42126	22.611	ug/l	99
4) Vinyl Chloride	1.14	62	43672	25.130	ug/l	99
5) Bromomethane	1.33	94	30558	24.937	ug/l	90
6) Chloroethane	1.38	64	18667	24.849	ug/l	99
7) Trichlorofluoromethane	1.49	101	82412	22.102	ug/l	89
8) Diethyl Ether	1.62	74	12720	23.723	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.82	101	44449	23.580	ug/l	95
10) Methyl Iodide	1.89	142	71809m	25.062	ug/l	
11) Tert butyl alcohol	2.56	59	11397	123.250	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	35990	23.737	ug/l	92
13) Acrolein	2.00	56	7006	79.966	ug/l	95
14) Allyl chloride	2.09	41	40551	21.458	ug/l	94
15) Acrylonitrile	2.94	53	25861	124.745	ug/l	89
16) Acetone	2.24	43	51599	124.042	ug/l	99
17) Carbon Disulfide	1.83	76	96707m	23.788	ug/l	
18) Methyl Acetate	2.34	43	19136	26.649	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	78133	22.880	ug/l	92
20) Methylene Chloride	2.25	84	36793m	24.110	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	37005	25.316	ug/l	93
22) Diisopropyl ether	2.79	45	130494	25.368	ug/l	97
23) Vinyl Acetate	3.18	43	313685	133.403	ug/l	97
24) 1,1-Dichloroethane	2.87	63	76356	24.949	ug/l	99
25) 2-Butanone	4.33	43	93027	129.294	ug/l	98
26) 2,2-Dichloropropane	3.59	77	42117	21.226	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	55588	23.359	ug/l	95
28) Bromochloromethane	3.71	49	34820	23.706	ug/l	96
29) Tetrahydrofuran	4.07	42	37204	121.986	ug/l	99
30) Chloroform	3.85	83	105640	22.427	ug/l	95
31) Cyclohexane	3.68	56	76980	24.236	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	73331	22.448	ug/l	94
36) 1,1-Dichloropropene	4.27	75	85631	25.233	ug/l	99
37) Ethyl Acetate	4.10	43	37000	26.829	ug/l #	91
38) Carbon Tetrachloride	3.98	117	63973	21.343	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	80872	22.740	ug/l	99
40) Benzene	4.62	78	180616	24.091	ug/l	96
41) Methacrylonitrile	4.73	41	17284	22.037	ug/l	95
42) 1,2-Dichloroethane	4.93	62	67039	24.493	ug/l	97
43) Isopropyl Acetate	6.95	43	42755	23.697	ug/l #	91
44) Trichloroethene	5.49	130	57339	23.391	ug/l	93
45) 1,2-Dichloropropane	6.22	63	47419	24.353	ug/l	90
46) Dibromomethane	6.07	93	33358	25.255	ug/l	98
47) Bromodichloromethane	6.37	83	80800	23.032	ug/l	94
48) Methyl methacrylate	6.70	41	28686	22.980	ug/l	90
49) 1,4-Dioxane	6.69	88	4557	498.797	ug/l #	77
51) 4-Methyl-2-Pentanone	8.25	43	146439	115.149	ug/l	95
52) Toluene	7.61	92	122233	23.211	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	65281	22.877	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	80714	22.848	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	37146	24.207	ug/l	98
56) Ethyl methacrylate	8.61	69	39139	22.960	ug/l	97
57) 1,3-Dichloropropane	8.84	76	66599	24.807	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	35756	205.072	ug/l	92
59) 2-Hexanone	9.49	43	112008	125.542	ug/l	95
60) Dibromochloromethane	8.71	129	50397	22.043	ug/l	89
61) 1,2-Dibromoethane	8.97	107	40202	24.252	ug/l	94
64) Tetrachloroethene	8.14	164	49801	23.232	ug/l	94
65) Chlorobenzene	9.78	112	134527	24.639	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	53392	22.747	ug/l	90
67) Ethyl Benzene	9.89	91	248445	24.442	ug/l	98
68) m/p-Xylenes	10.12	106	189669	51.881	ug/l	97
69) o-Xylene	10.70	106	102344	25.387	ug/l	94
70) Styrene	10.78	104	144098	25.786	ug/l	97
71) Bromoform	10.76	173	28105	24.789	ug/l #	93
73) Isopropylbenzene	11.11	105	301971	24.078	ug/l	100
74) N-amyl acetate	11.36	43	73564	25.402	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	52480	25.426	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	37877m	25.247	ug/l	
77) Bromobenzene	11.49	156	63465	23.082	ug/l	89
78) n-propylbenzene	11.59	91	368512	25.091	ug/l	100
79) 2-Chlorotoluene	11.71	91	204164	24.244	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	250672	24.621	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	18322m	24.925	ug/l	
82) 4-Chlorotoluene	11.89	91	212452	23.972	ug/l	93
83) tert-Butylbenzene	12.12	119	249791	24.086	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	242998	23.914	ug/l	100
85) sec-Butylbenzene	12.30	105	340885	24.011	ug/l	99
86) p-Isopropyltoluene	12.46	119	291852	24.520	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	125980	24.088	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	120308	23.604	ug/l	96
89) n-Butylbenzene	12.84	91	310972	25.837	ug/l	96
90) Hexachloroethane	12.91	117	70606	24.634	ug/l	94
91) 1,2-Dichlorobenzene	12.93	146	118442	23.914	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8477	21.243	ug/l	71

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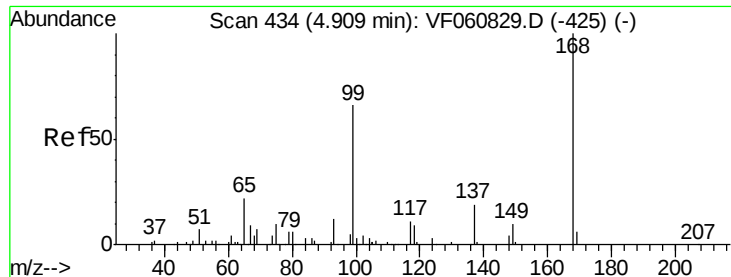
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	84306	24.361	ug/l	96
94) Hexachlorobutadiene	14.18	225	53719	23.286	ug/l	97
95) Naphthalene	14.45	128	148932	20.079	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	75185	23.398	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061017.D

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Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion:168 Resp: 191488

Ion Ratio Lower Upper

168 100

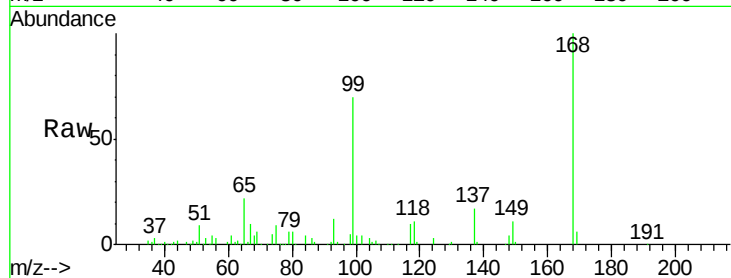
99 70.1 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

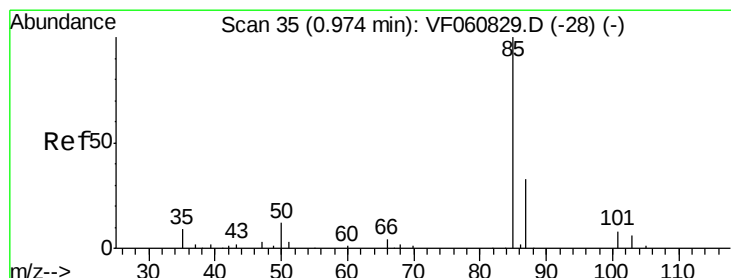
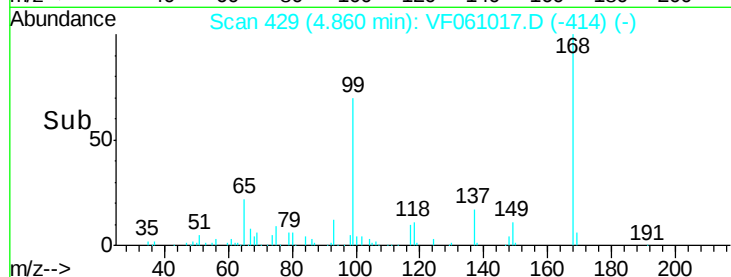
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.793 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF061017.D

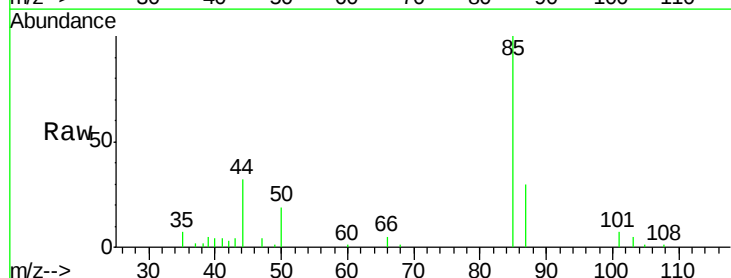
Acq: 14 Dec 2018 13:49

Tgt Ion: 85 Resp: 56670

Ion Ratio Lower Upper

85 100

87 29.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

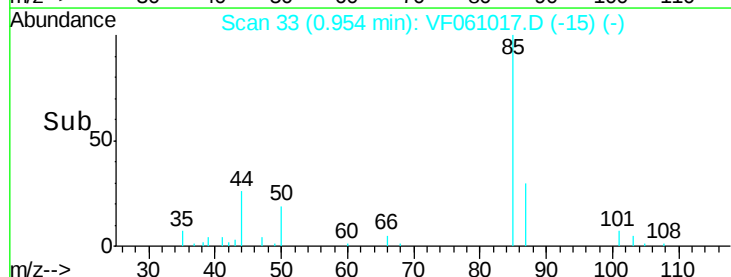
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.611 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 50 Resp: 42126

Ion Ratio Lower Upper

50 100

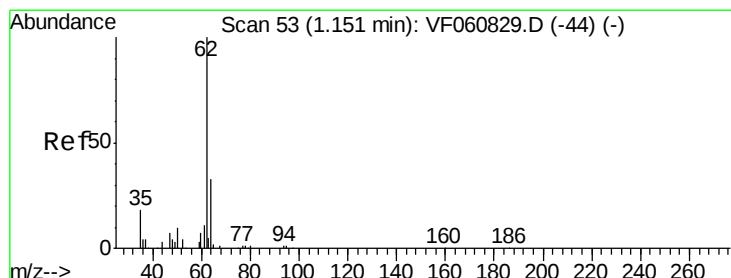
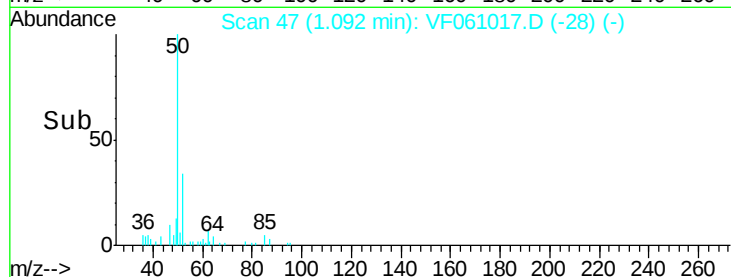
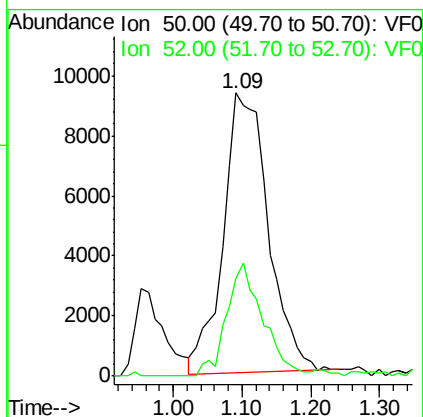
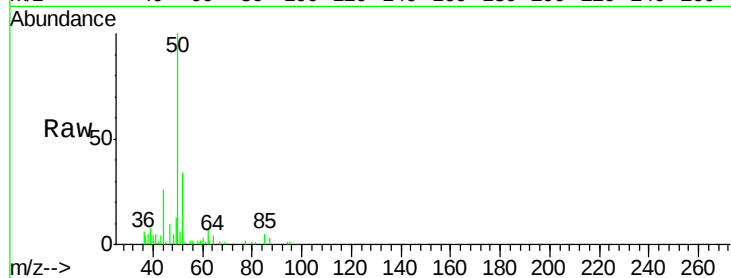
52 34.5 27.0 40.4

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#4

Vinyl Chloride

Concen: 25.130 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF061017.D

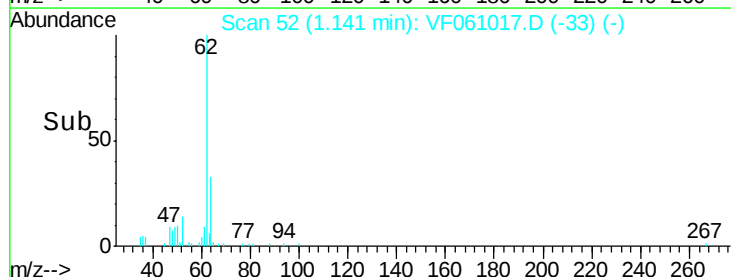
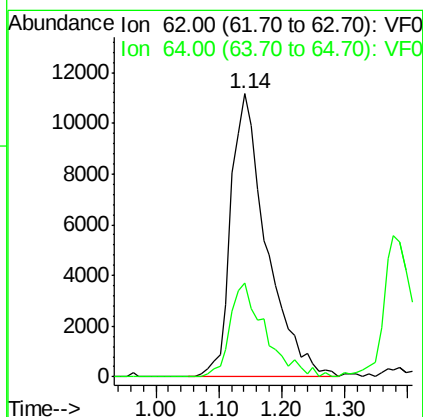
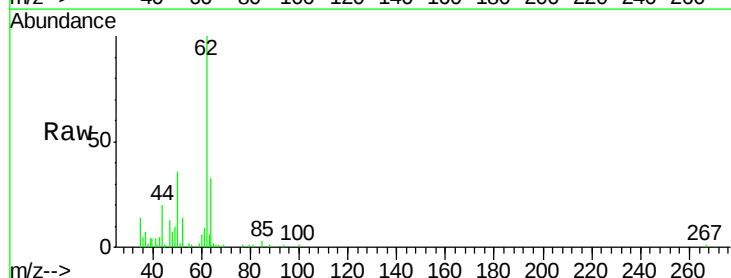
Acq: 14 Dec 2018 13:49

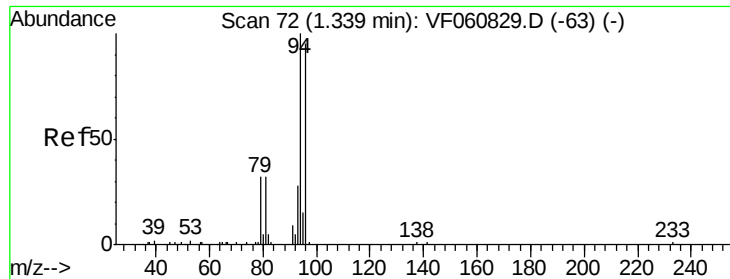
Tgt Ion: 62 Resp: 43672

Ion Ratio Lower Upper

62 100

64 33.3 26.4 39.6





#5

Bromomethane

Concen: 24.937 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 94 Resp: 30558

Ion Ratio Lower Upper

94 100

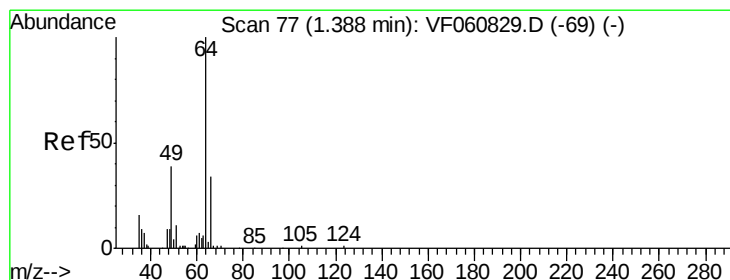
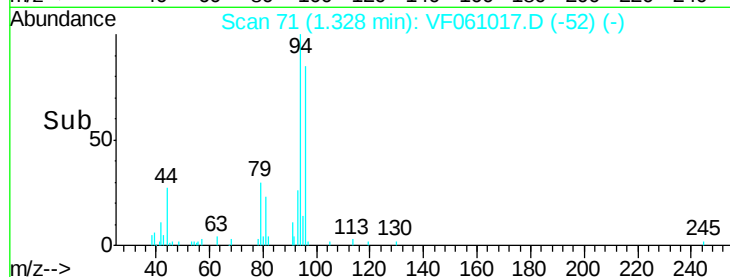
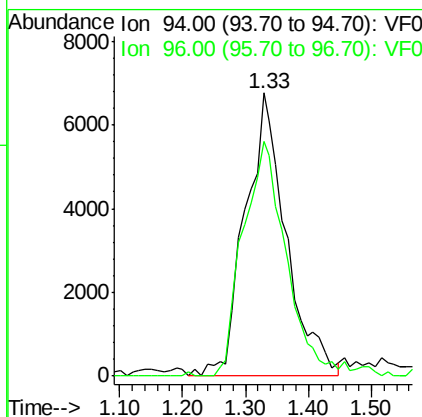
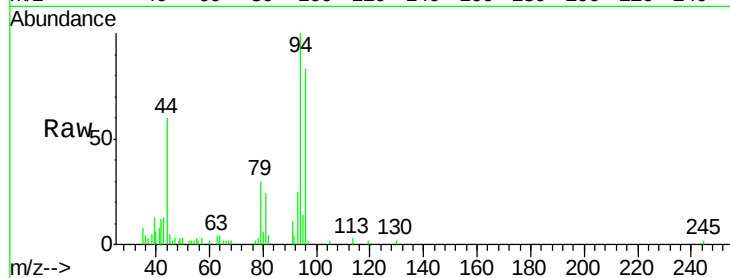
96 84.8 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 24.849 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061017.D

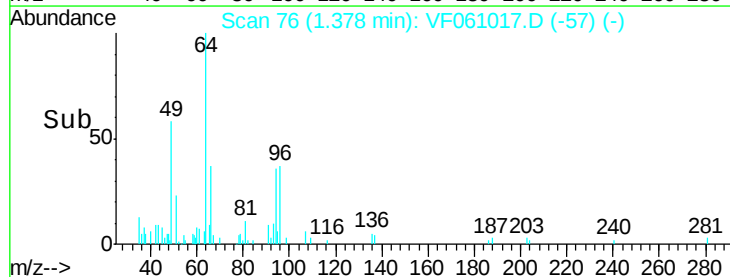
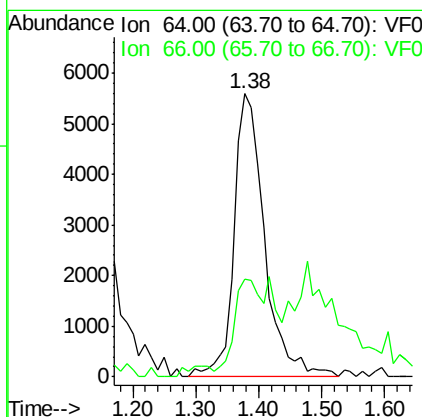
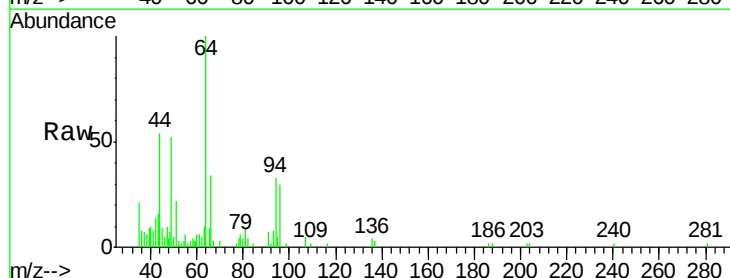
Acq: 14 Dec 2018 13:49

Tgt Ion: 64 Resp: 18667

Ion Ratio Lower Upper

64 100

66 34.4 28.1 42.1





#7

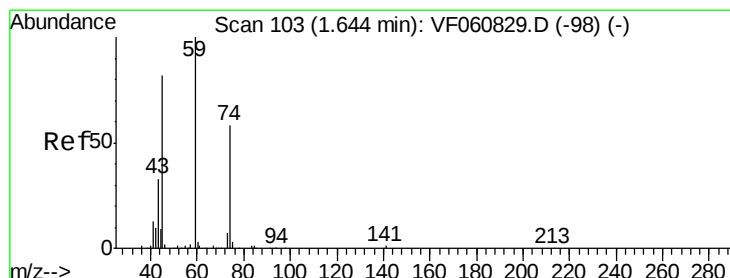
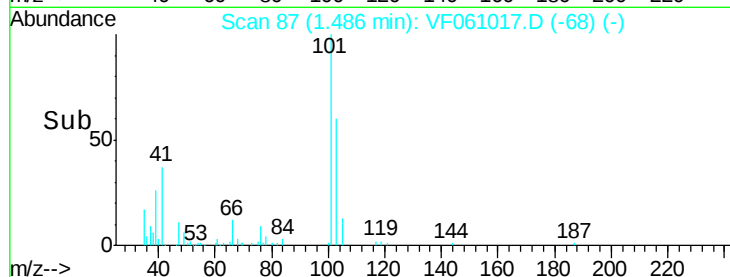
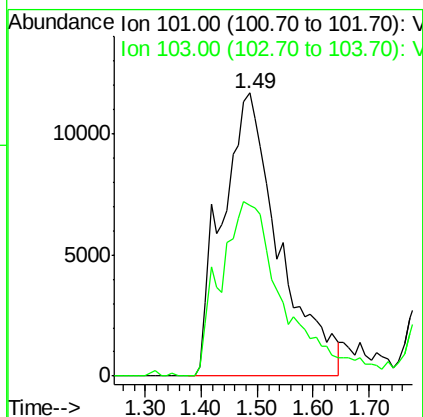
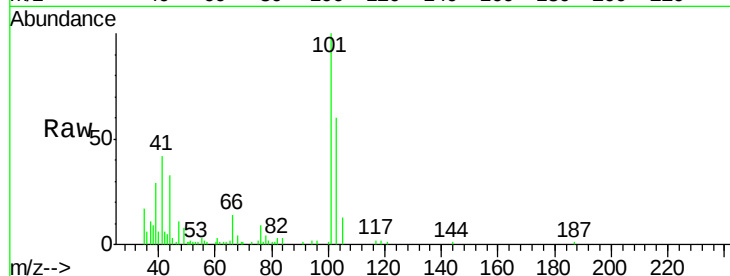
Trichlorofluoromethane
Concen: 22.102 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061017.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.4	55.4	83.0

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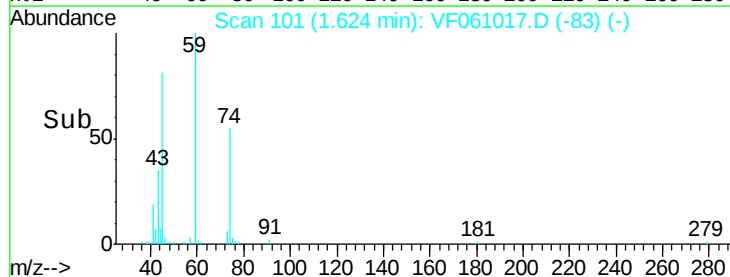
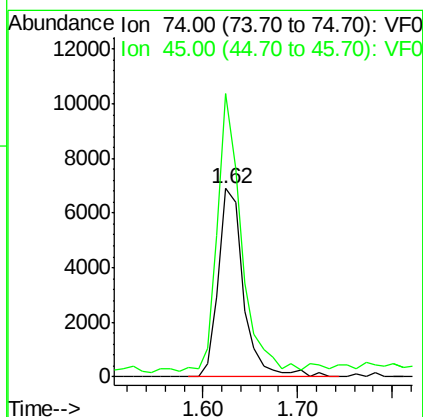
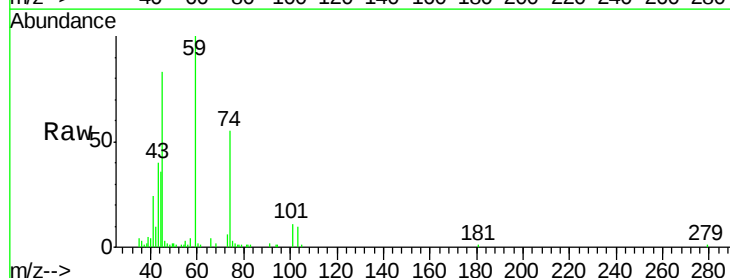
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#8

Diethyl Ether
Concen: 23.723 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	150.2	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.580 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

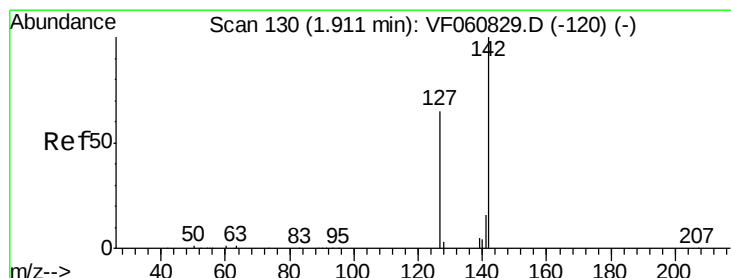
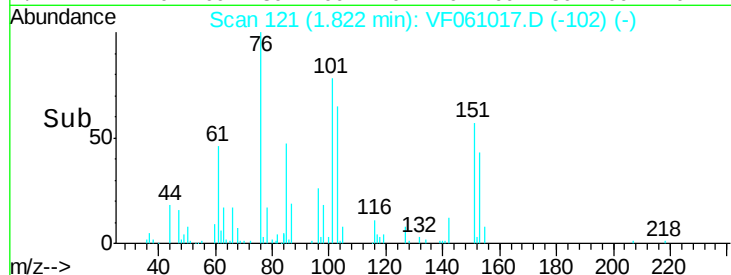
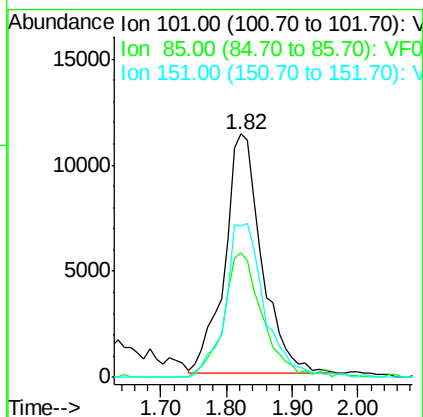
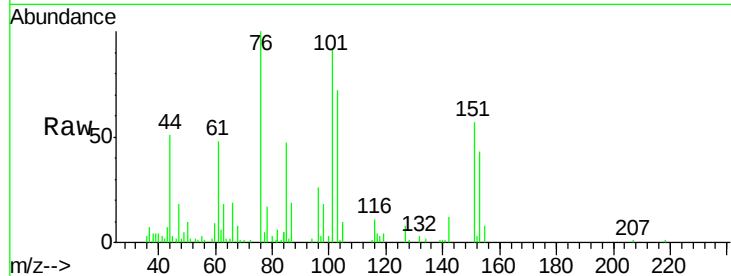
ClientSampleId :

VF1214SBS01

Tgt Ion:	101	Resp:	44449
Ion Ratio	Lower	Upper	
101	100		
85	51.3	42.8	64.2
151	62.4	54.4	81.6

Manual Integrations
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#10

Methyl Iodide

Concen: 25.062 ug/l m

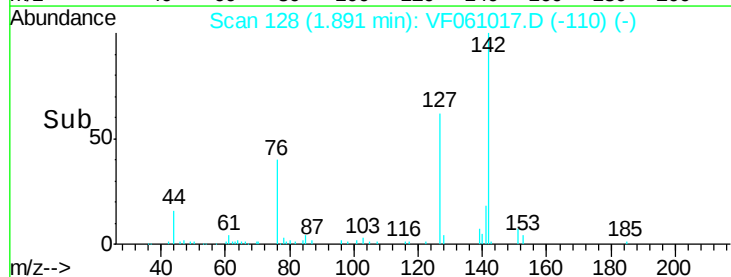
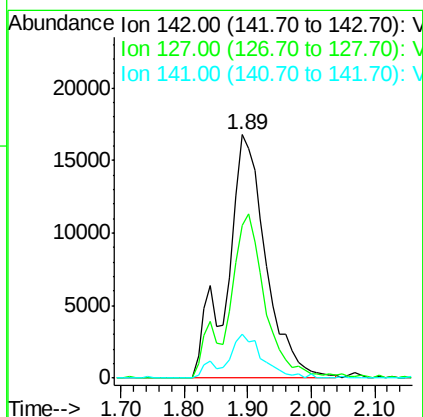
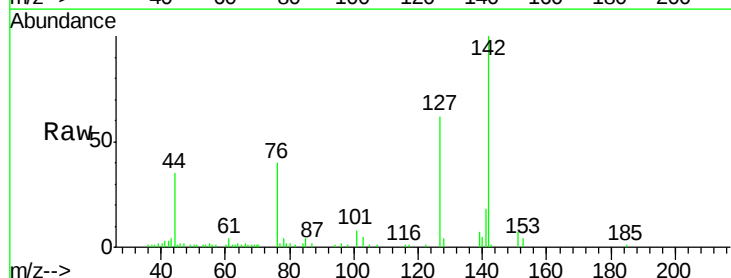
RT: 1.89 min Scan# 128

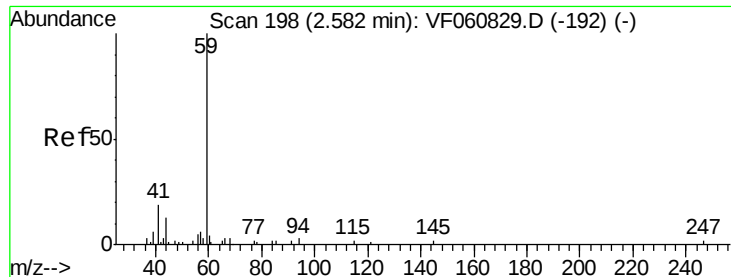
Delta R.T. -0.02 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	142	Resp:	71809
Ion Ratio	Lower	Upper	
142	100		
127	62.5	51.9	77.9
141	18.1	12.7	19.1





#11

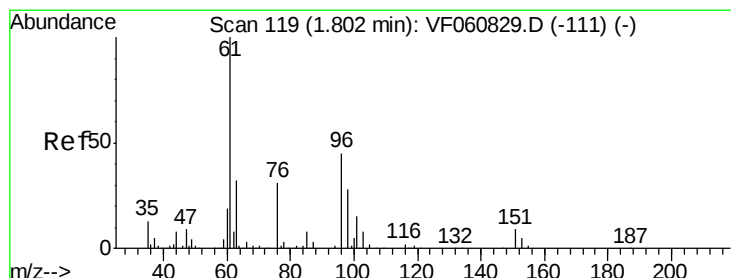
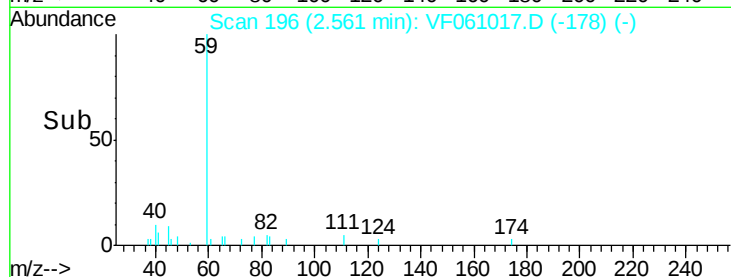
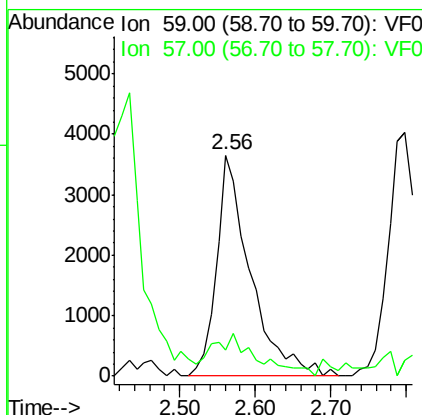
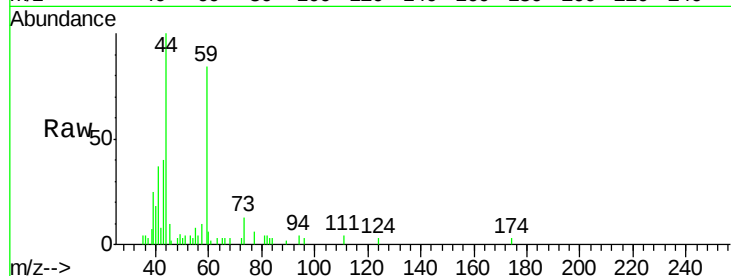
Tert butyl alcohol
 Concen: 123.250 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion: 59 Resp: 11397
 Ion Ratio Lower Upper
 59 100
 57 11.6 12.7 19.1#

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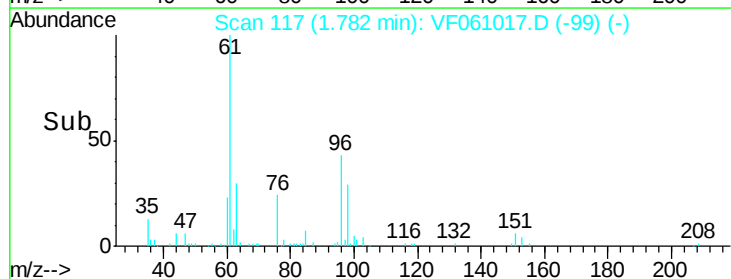
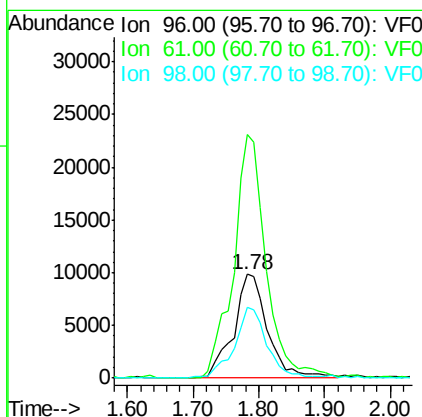
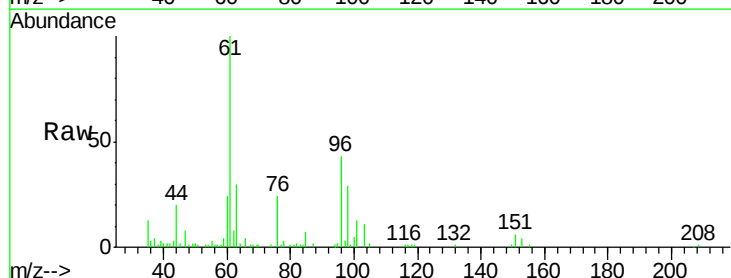
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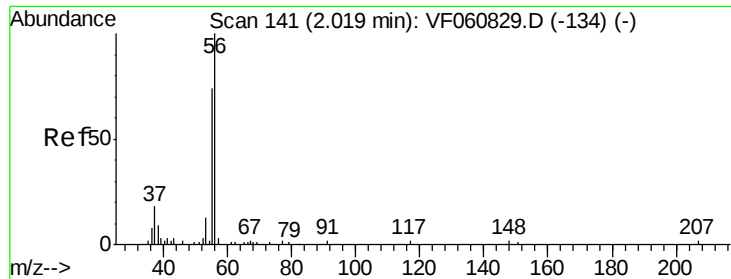


#12

1,1-Dichloroethene
 Concen: 23.737 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion: 96 Resp: 35990
 Ion Ratio Lower Upper
 96 100
 61 234.1 177.3 265.9
 98 67.7 49.6 74.4





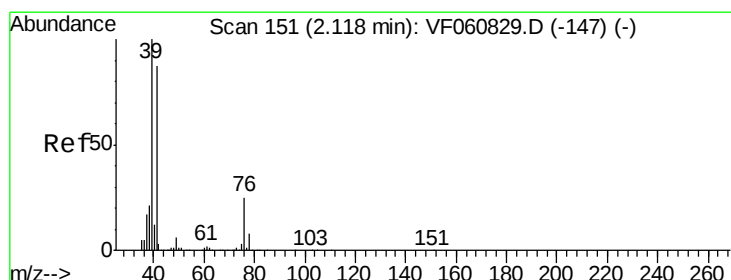
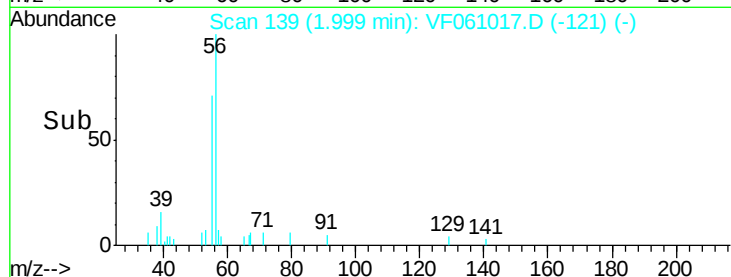
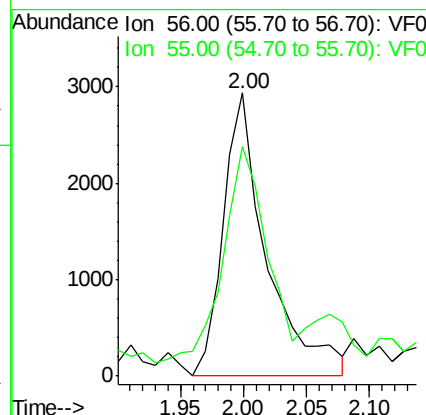
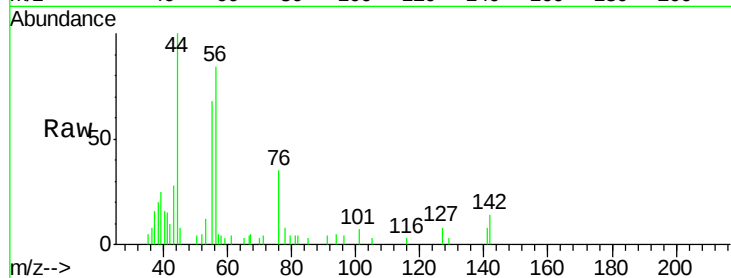
#13
Acrolein
Concen: 79.966 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion: 56 Resp: 7006
Ion Ratio Lower Upper
56 100
55 81.0 61.2 91.8

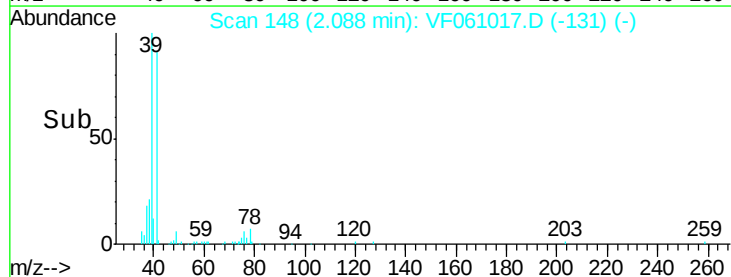
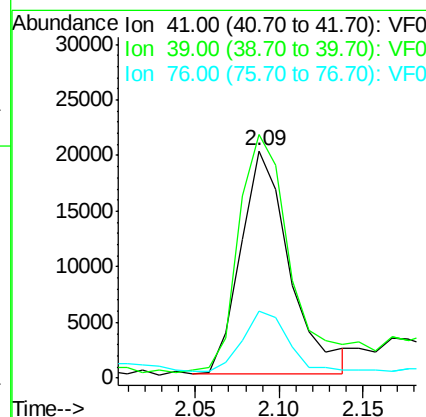
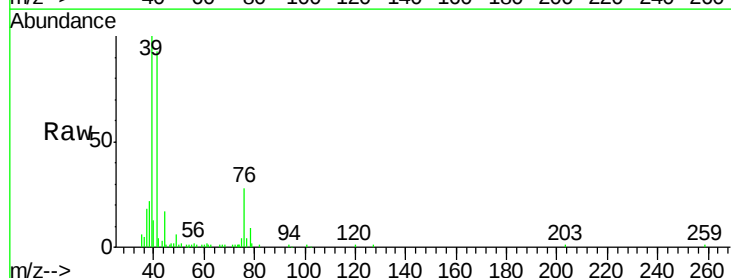
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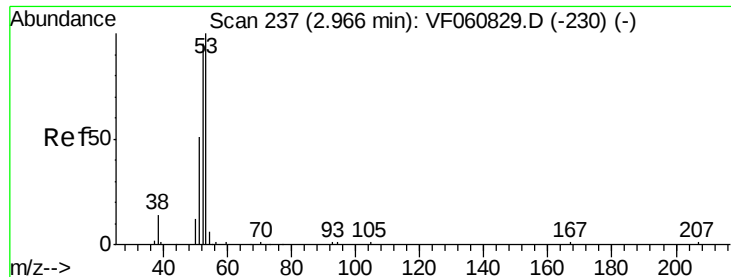
apatel
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#14
Allyl chloride
Concen: 21.458 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 41 Resp: 40551
Ion Ratio Lower Upper
41 100
39 107.0 91.7 137.5
76 29.5 23.5 35.3





#15

Acrylonitrile

Concen: 124.745 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

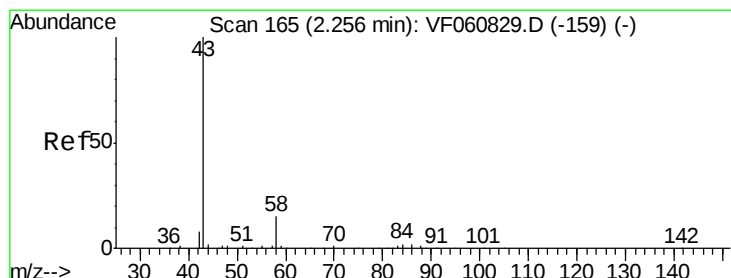
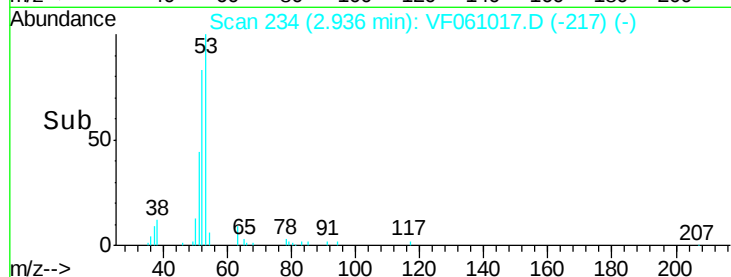
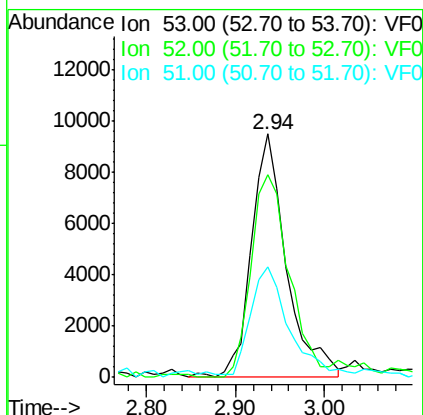
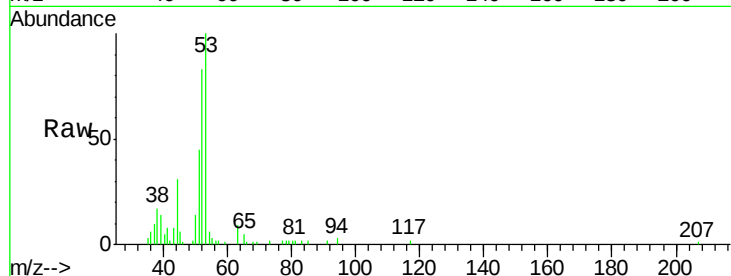
ClientSampleId :

VF1214SBS01

Tgt Ion:	53	Resp:	25861
Ion	Ratio	Lower	Upper
53	100		
52	83.0	76.5	114.7
51	45.4	40.7	61.1

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#16

Acetone

Concen: 124.042 ug/l

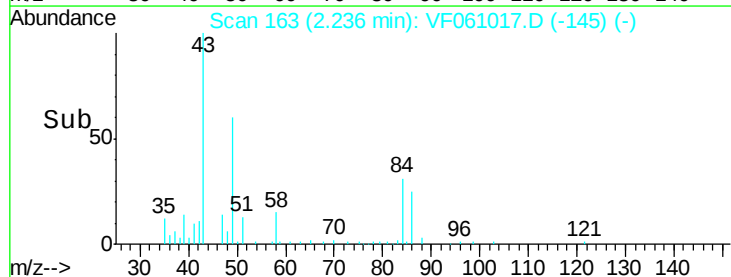
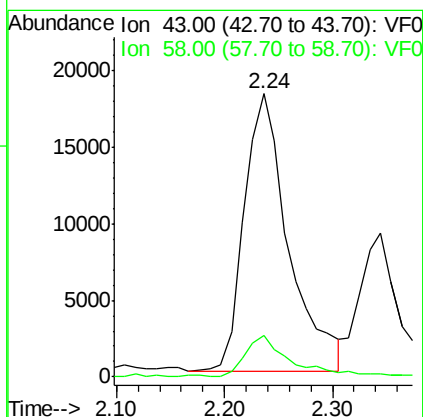
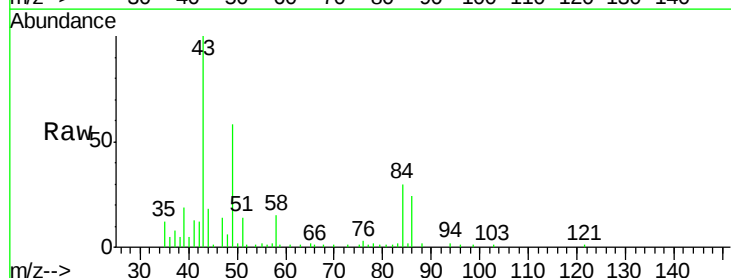
RT: 2.24 min Scan# 163

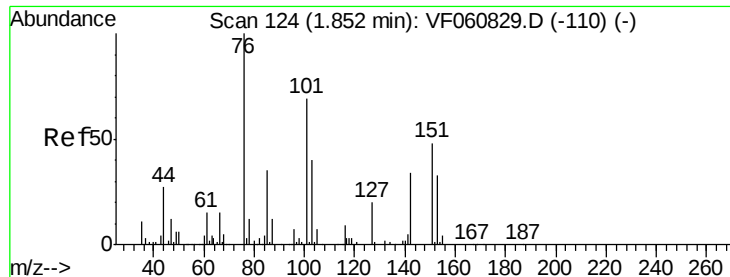
Delta R.T. -0.02 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	43	Resp:	51599
Ion	Ratio	Lower	Upper
43	100		
58	14.8	11.4	17.2





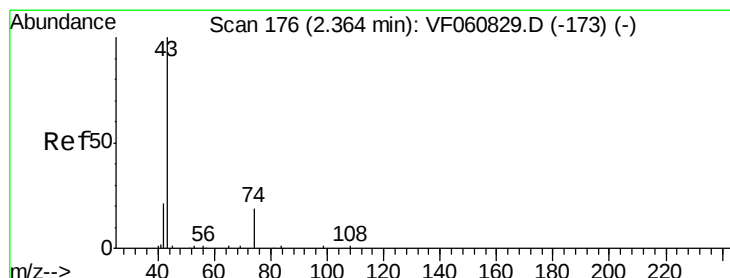
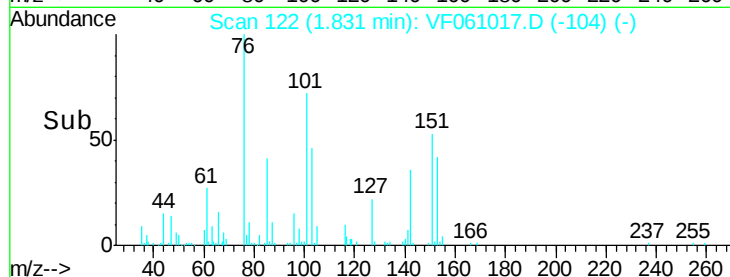
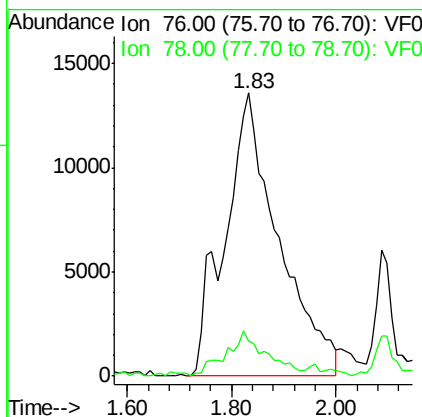
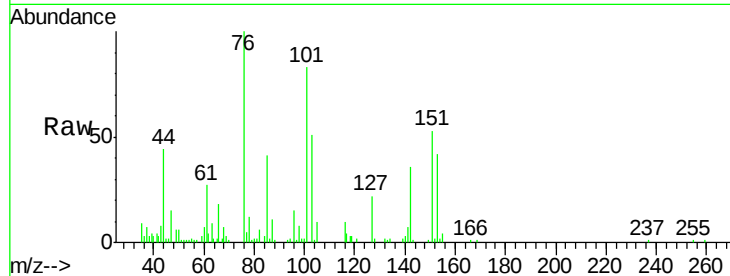
#17
Carbon Disulfide
Concen: 23.788 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion: 76 Resp: 96707
Ion Ratio Lower Upper
76 100
78 12.2 10.2 15.2

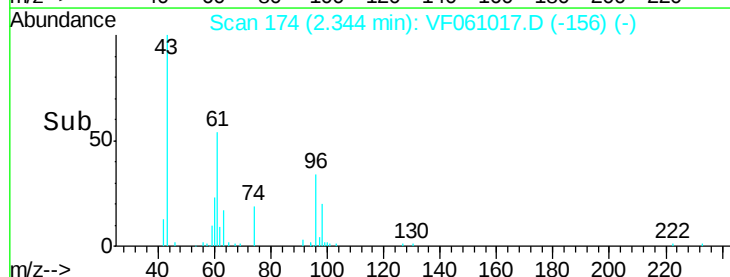
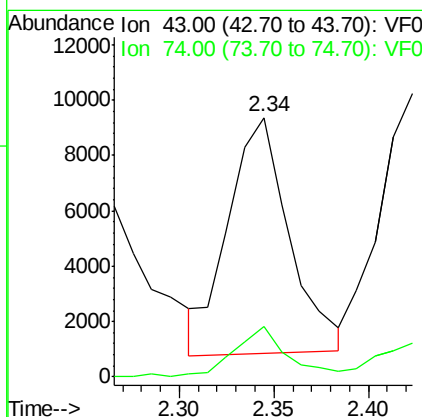
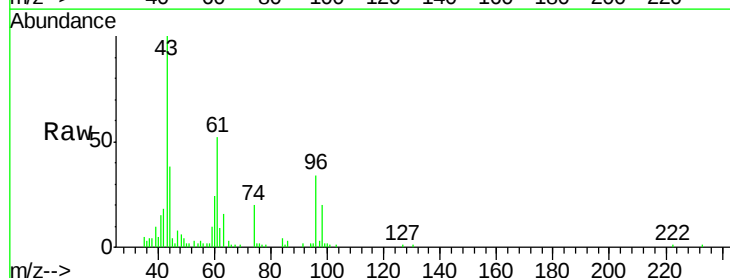
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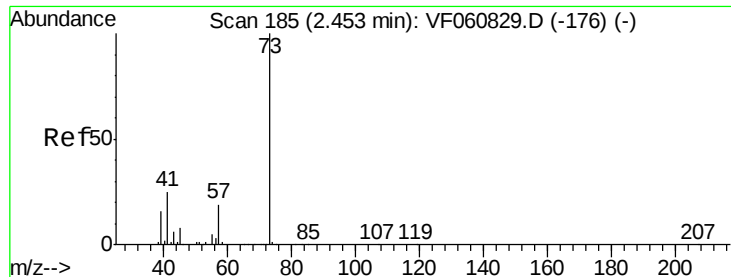
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#18
Methyl Acetate
Concen: 26.649 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 19136
Ion Ratio Lower Upper
43 100
74 19.6 13.3 19.9





#19

Methyl tert-butyl Ether

Concen: 22.880 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.03 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 73 Resp: 78133

Ion Ratio Lower Upper

73 100

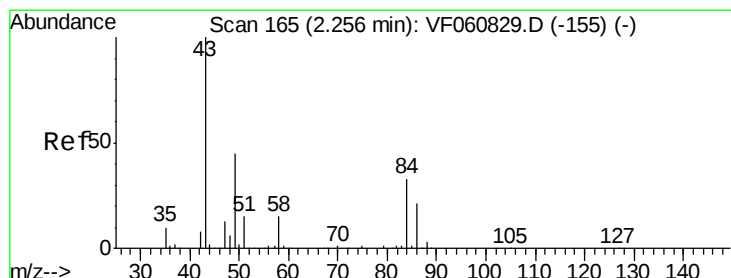
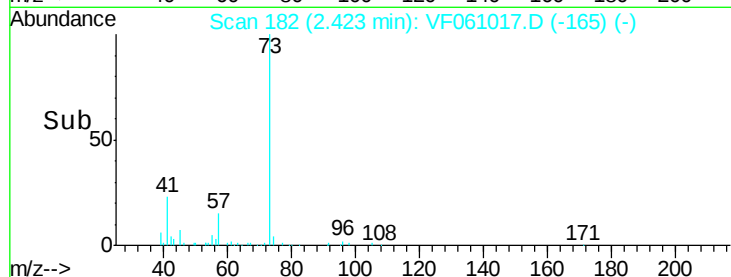
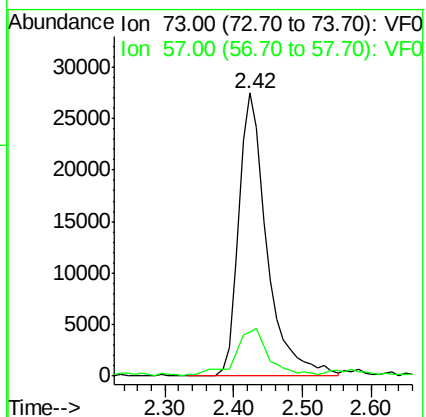
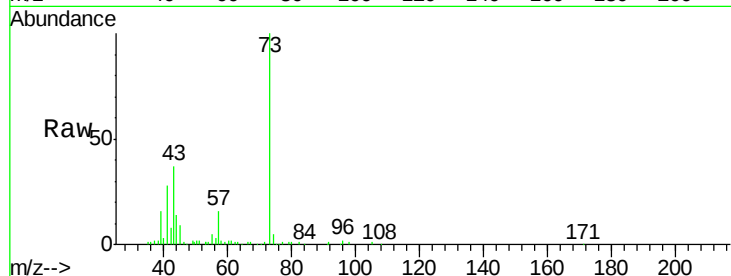
57 15.7 15.3 22.9

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#20

Methylene Chloride

Concen: 24.110 ug/l m

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 84 Resp: 36793

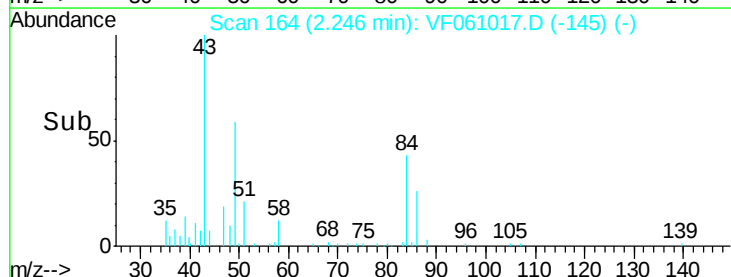
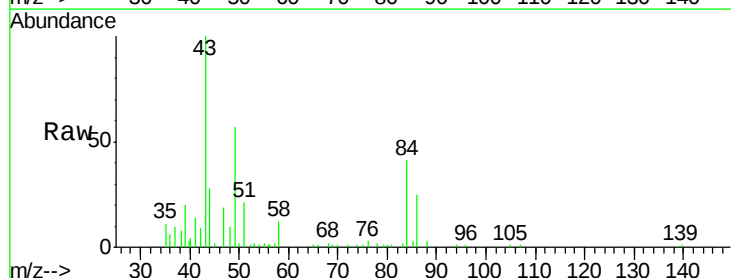
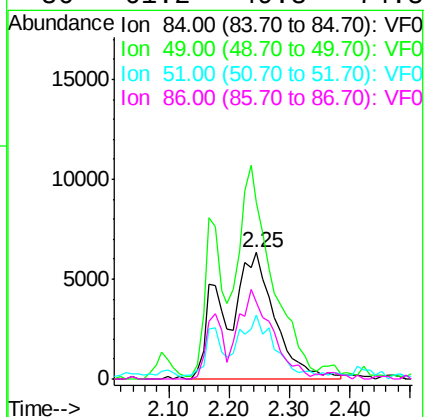
Ion Ratio Lower Upper

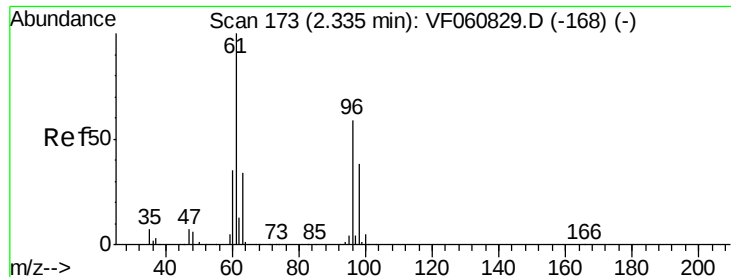
84 100

49 139.6 111.3 166.9

51 50.9 38.0 57.0

86 61.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 25.316 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

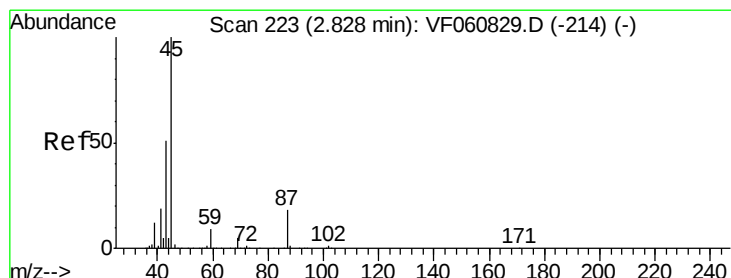
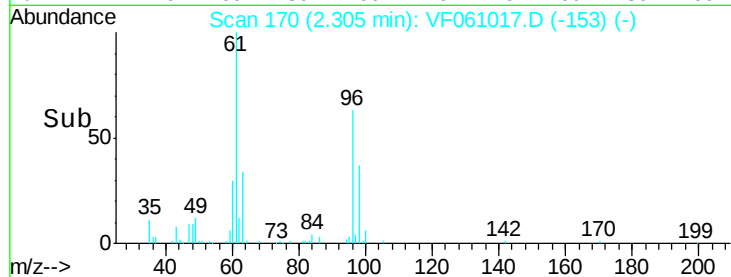
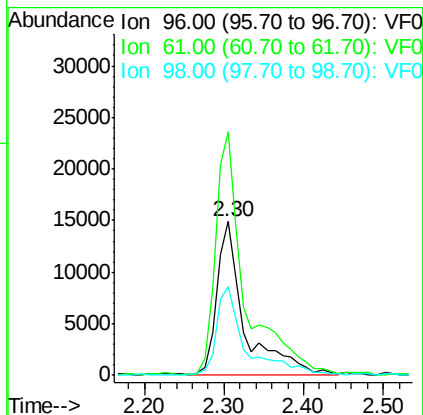
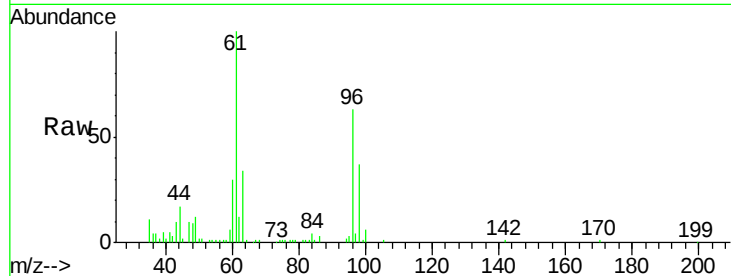
ClientSampleId :

VF1214SBS01

Tgt Ion:	96	Resp:	37005
Ion	Ratio	Lower	Upper
96	100		
61	158.7	134.5	201.7
98	58.1	51.6	77.4

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#22

Diisopropyl ether

Concen: 25.368 ug/l

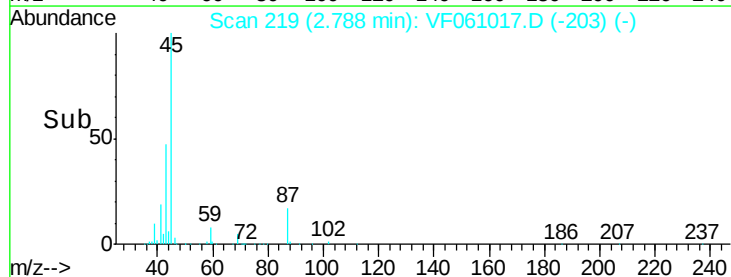
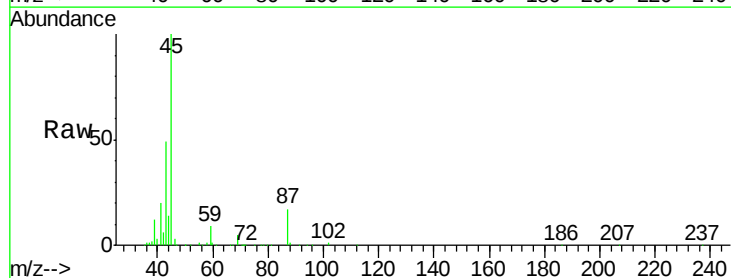
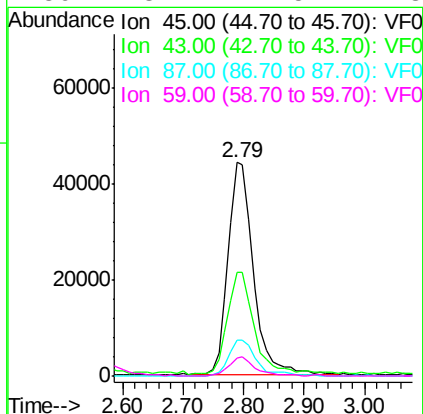
RT: 2.79 min Scan# 219

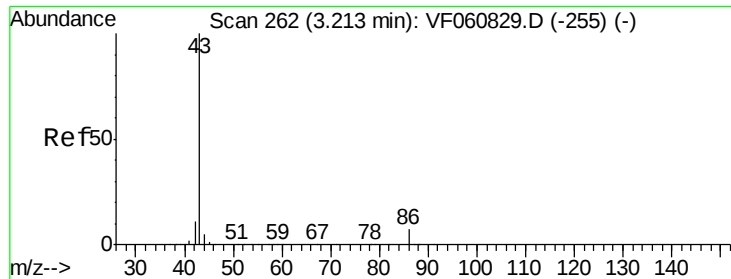
Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	45	Resp:	130494
Ion	Ratio	Lower	Upper
45	100		
43	48.8	41.0	61.6
87	16.9	14.6	22.0
59	8.7	7.5	11.3





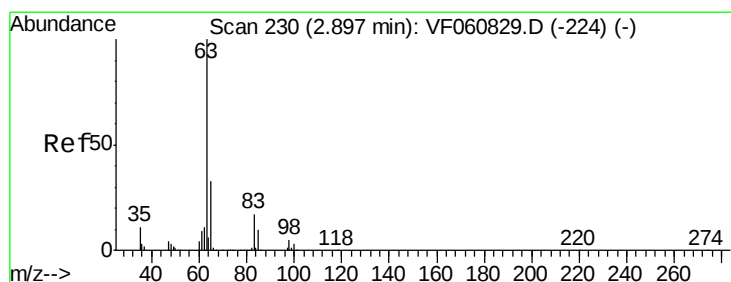
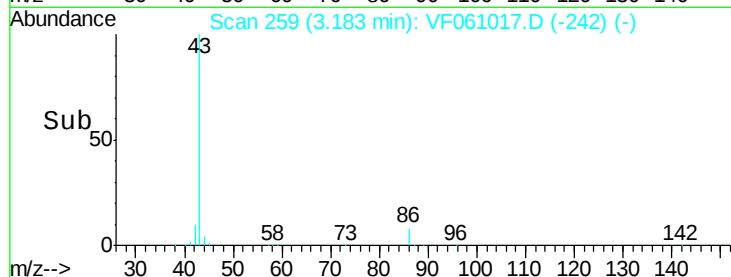
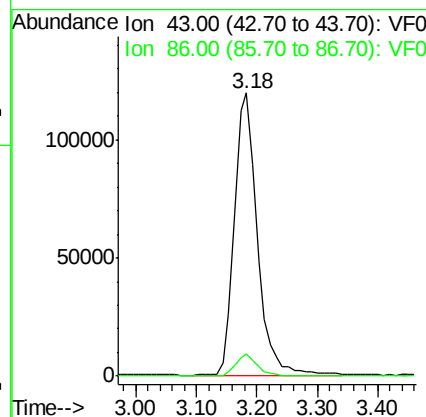
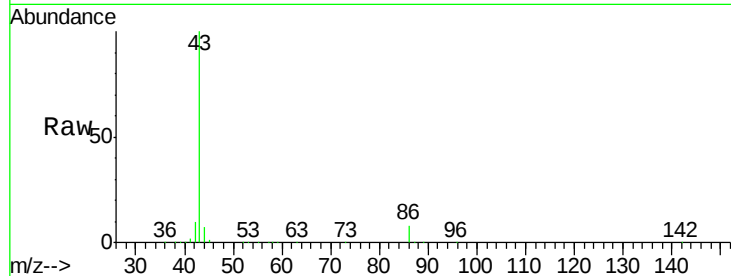
#23
 Vinyl Acetate
 Concen: 133.403 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	313685		
86	7.7	5.4	8.0	

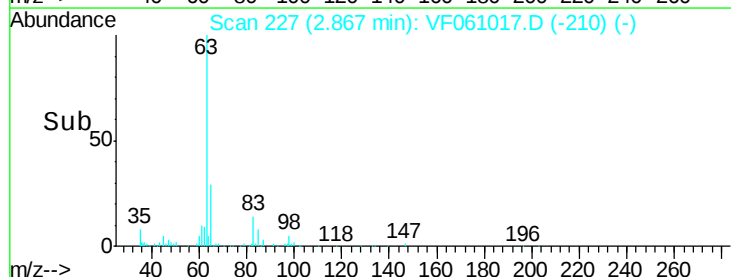
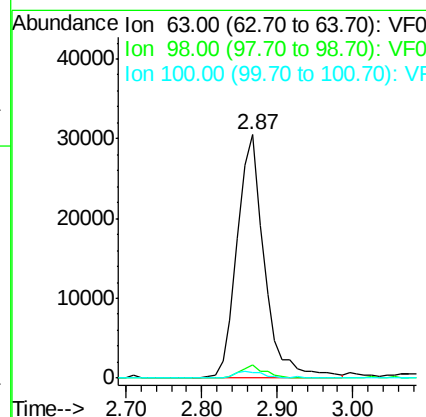
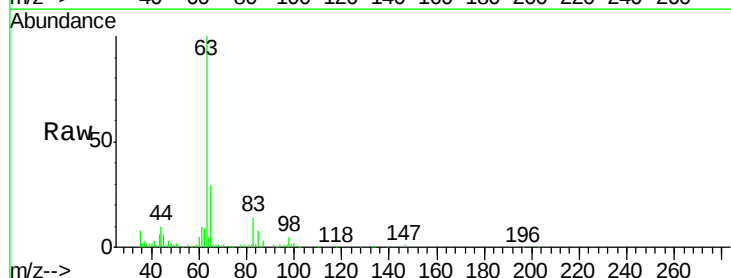
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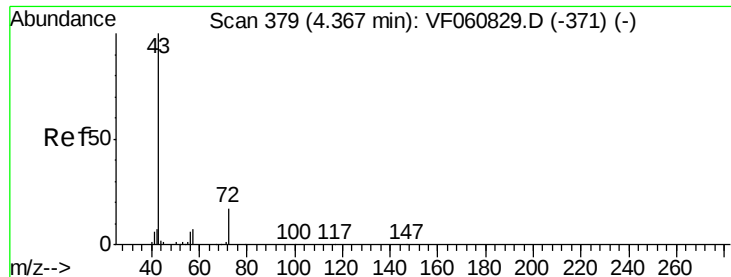
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#24
 1,1-Dichloroethane
 Concen: 24.949 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	76356		
98	5.5	2.7	8.1	
100	2.1	1.5	4.5	





#25

2-Butanone

Concen: 129.294 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 43 Resp: 93027

Ion Ratio Lower Upper

43 100

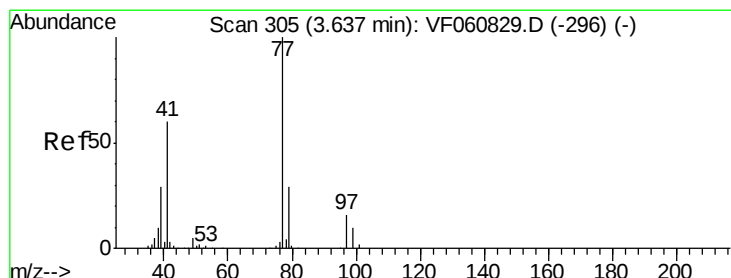
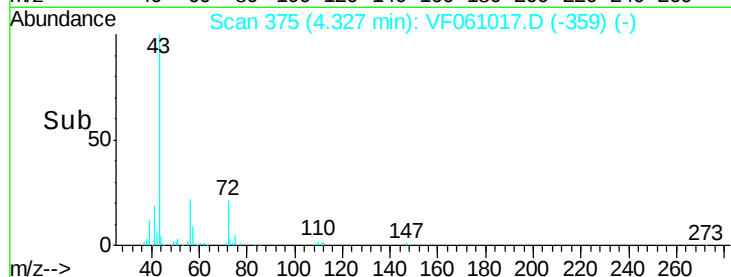
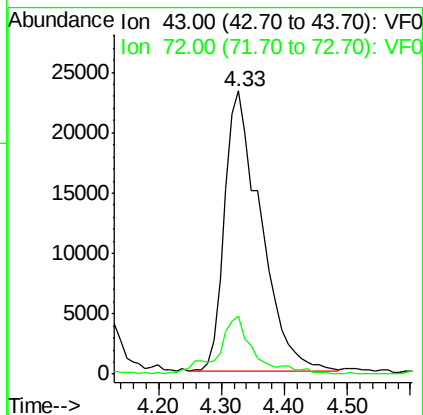
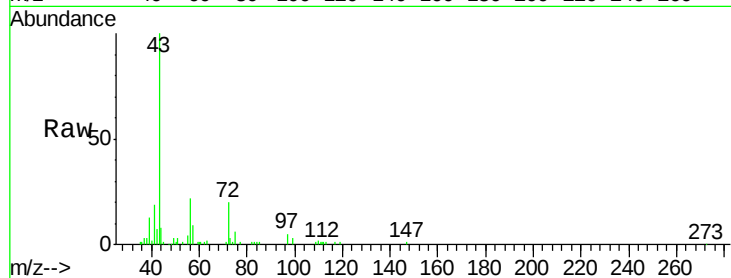
72 20.4 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.226 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF061017.D

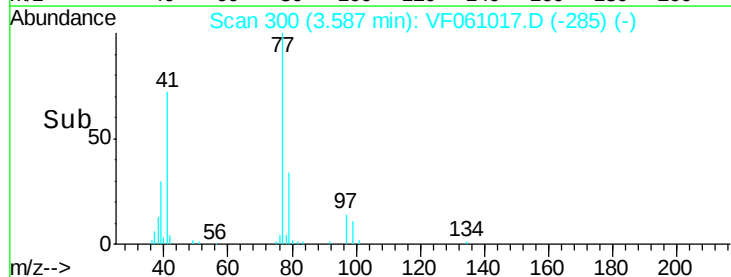
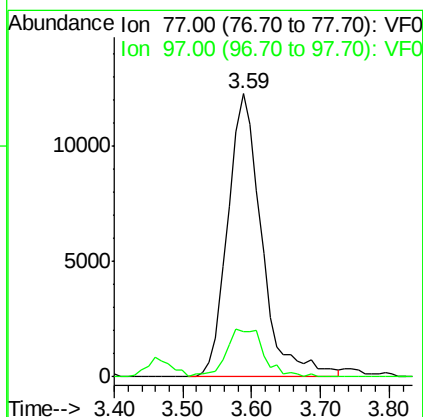
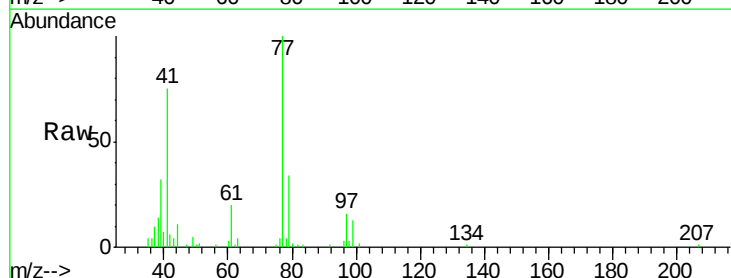
Acq: 14 Dec 2018 13:49

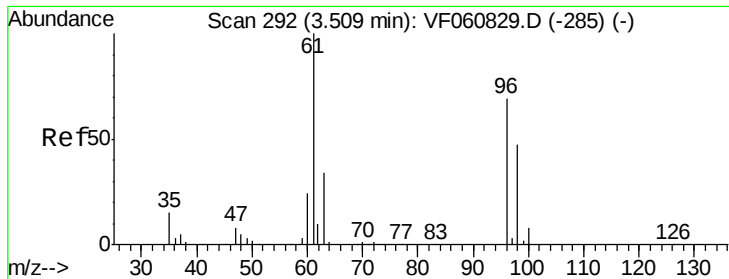
Tgt Ion: 77 Resp: 42117

Ion Ratio Lower Upper

77 100

97 15.9 8.6 25.8





#27

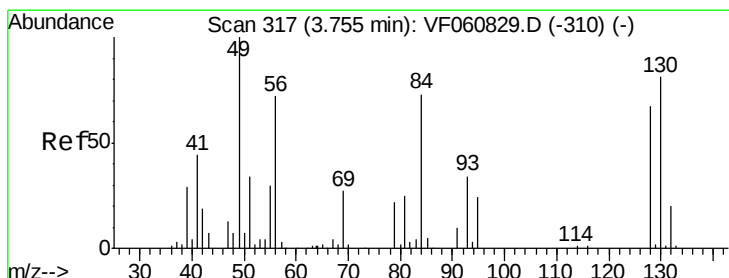
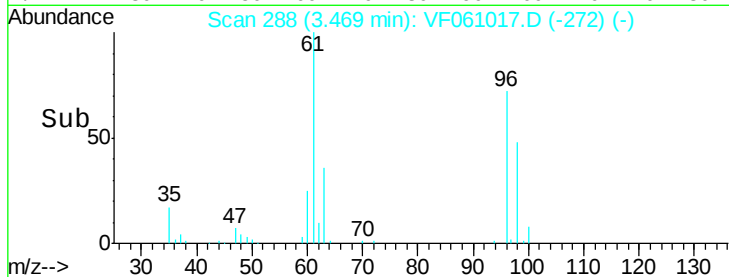
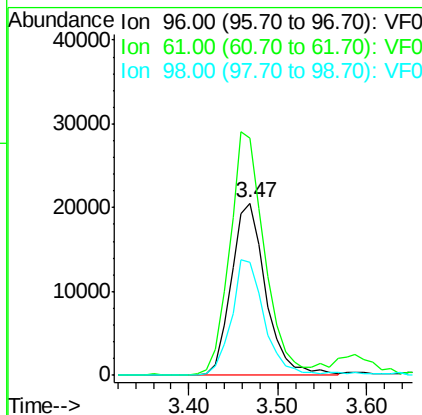
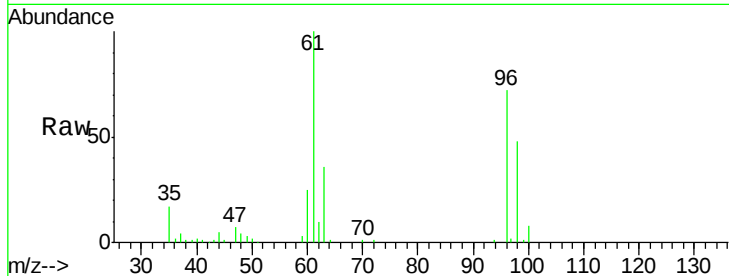
cis-1,2-Dichloroethene
Concen: 23.359 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55588		
61	138.0	0.0	290.6	
98	66.0	0.0	137.8	

Manual Integrations
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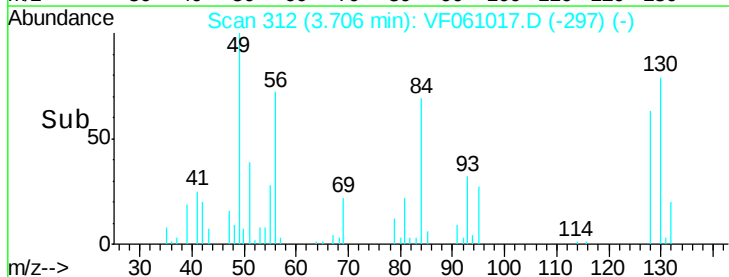
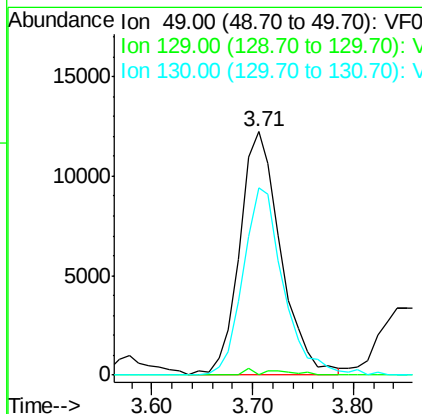
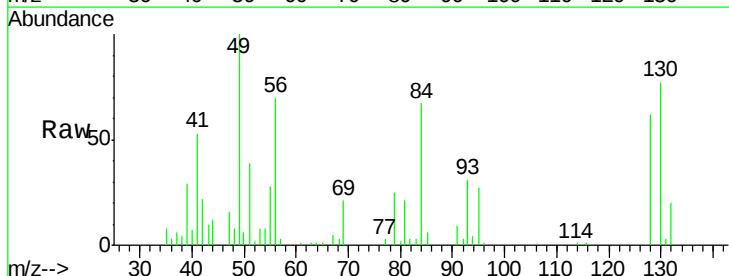
apatel
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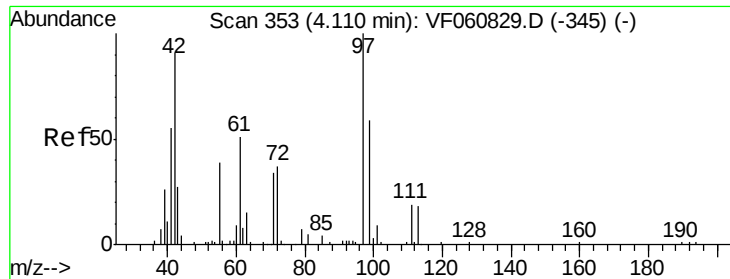


#28

Bromochloromethane
Concen: 23.706 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34820		
129	0.0	0.0	4.4	
130	77.1	64.2	96.4	





#29

Tetrahydrofuran

Concen: 121.986 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

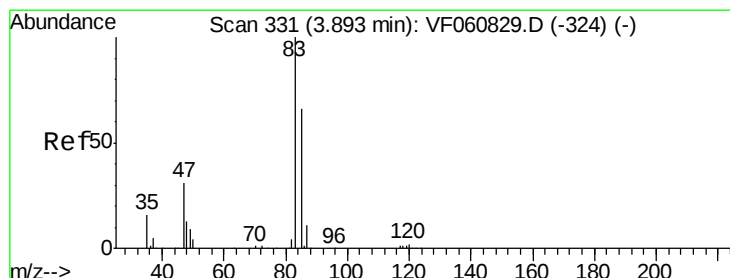
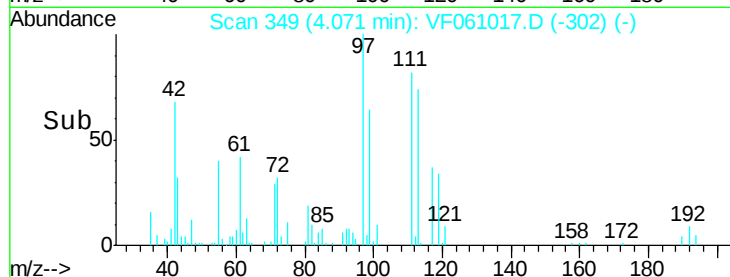
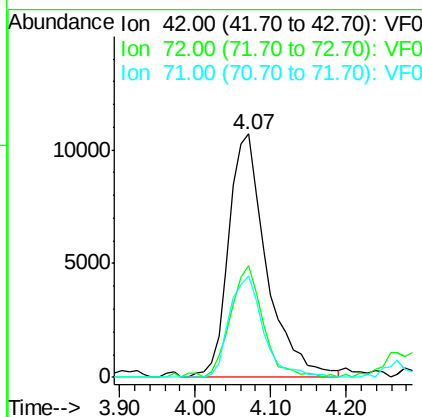
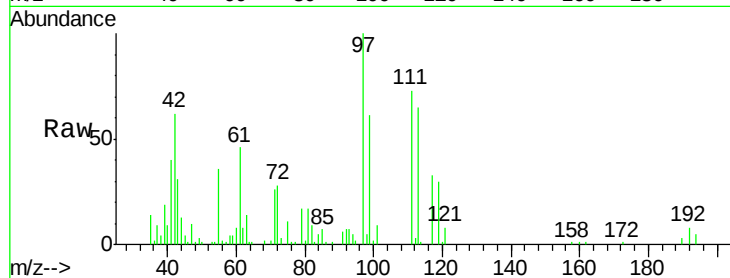
ClientSampleId :

VF1214SBS01

Tgt Ion:	42	Resp:	37204
Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.9	47.9
71	37.1	28.7	43.1

Manual Integrations
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#30

Chloroform

Concen: 22.427 ug/l

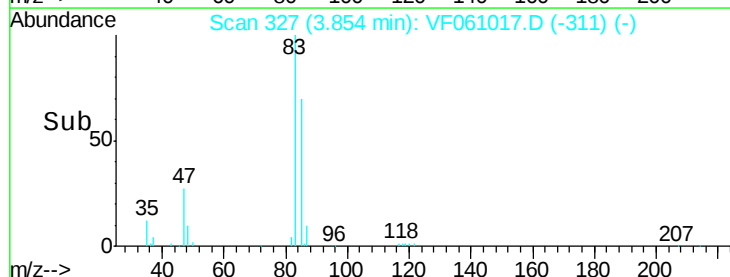
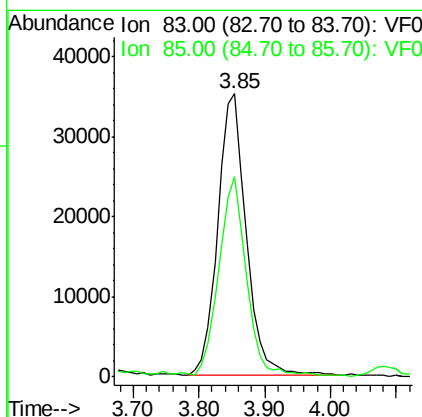
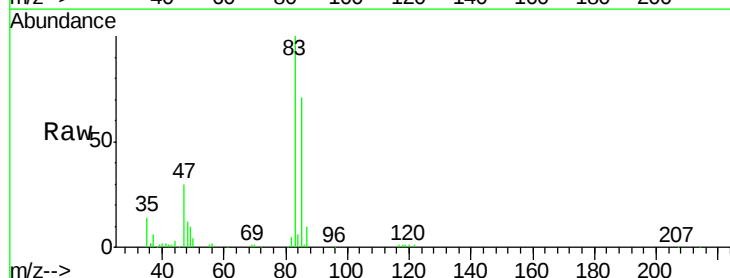
RT: 3.85 min Scan# 327

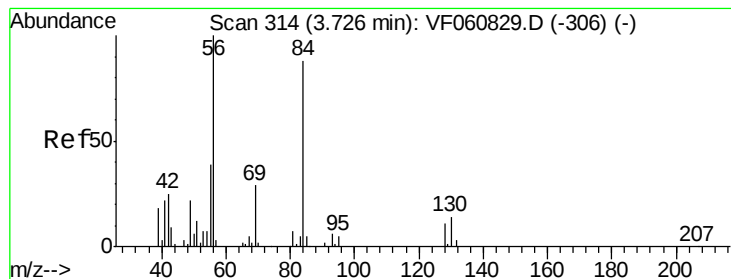
Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	83	Resp:	105640
Ion	Ratio	Lower	Upper
83	100		
85	70.6	53.4	80.2





#31

Cyclohexane

Concen: 24.236 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

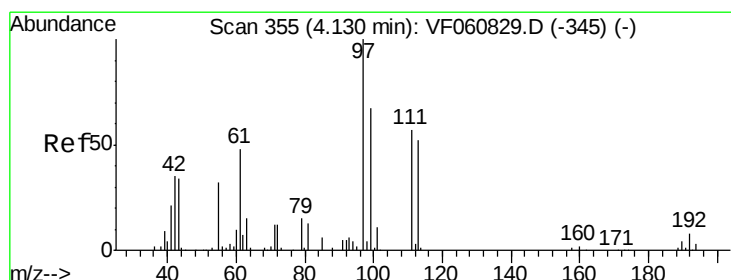
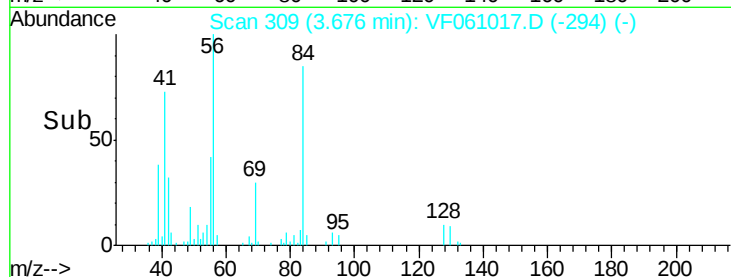
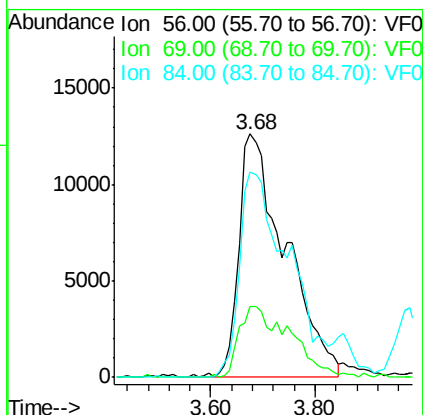
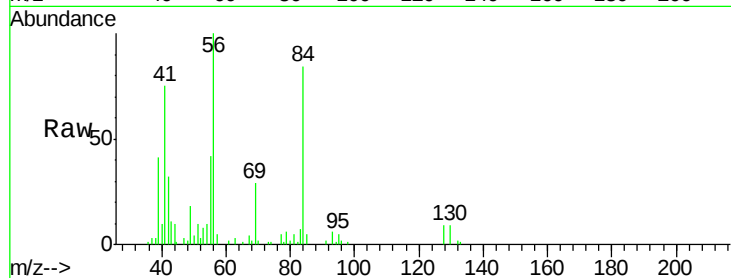
ClientSampleId :

VF1214SBS01

Tgt Ion:	56	Resp:	76980
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	84.0	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.448 ug/l

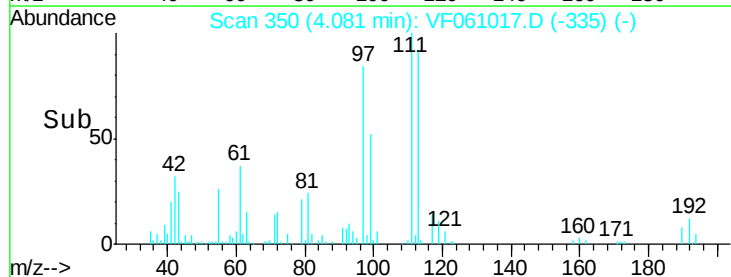
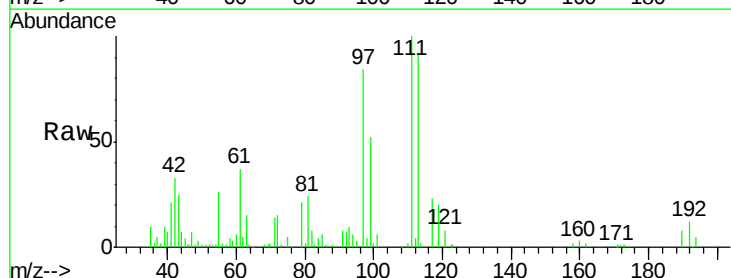
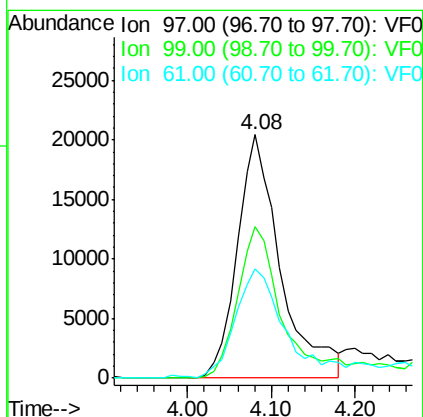
RT: 4.08 min Scan# 350

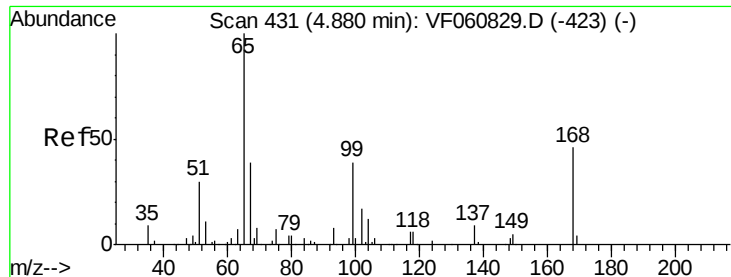
Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	97	Resp:	73331
Ion	Ratio	Lower	Upper
97	100		
99	62.2	53.5	80.3
61	44.7	38.6	58.0





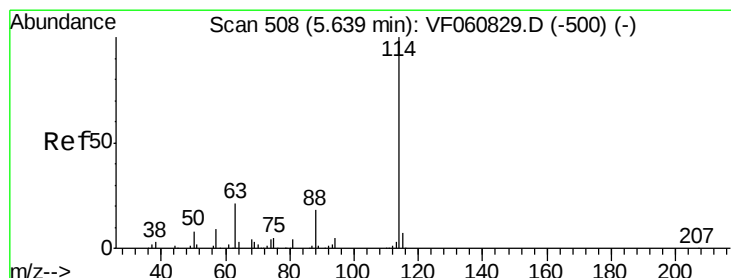
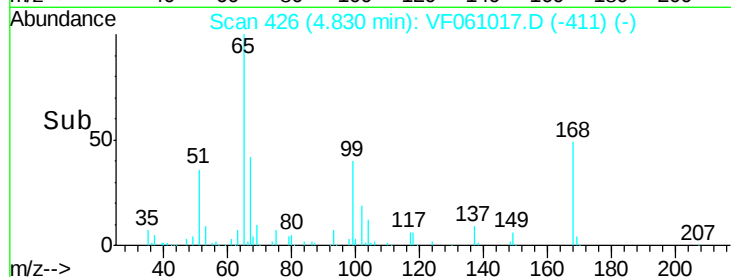
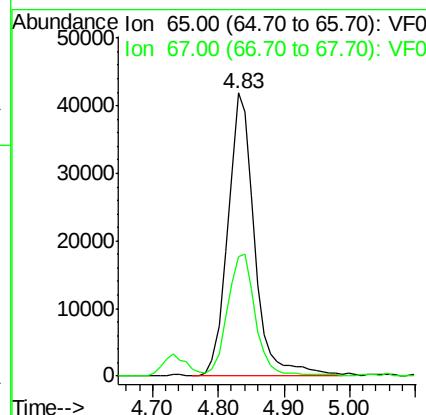
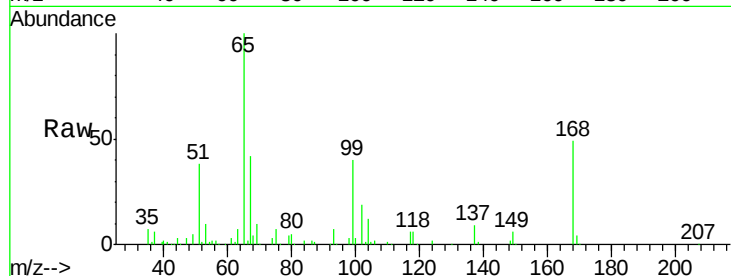
#33
 1,2-Dichloroethane-d4
 Concen: 52.900 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion: 65 Resp: 119332
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 96.4

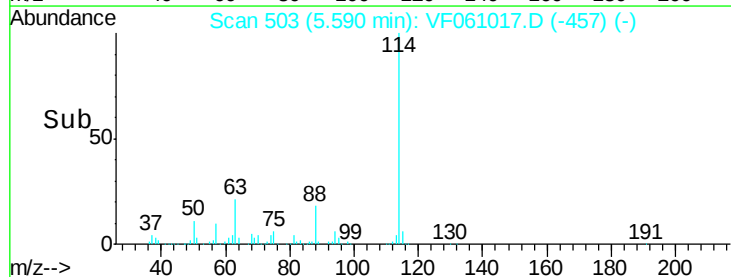
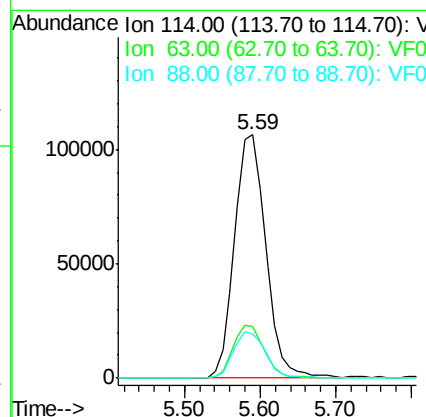
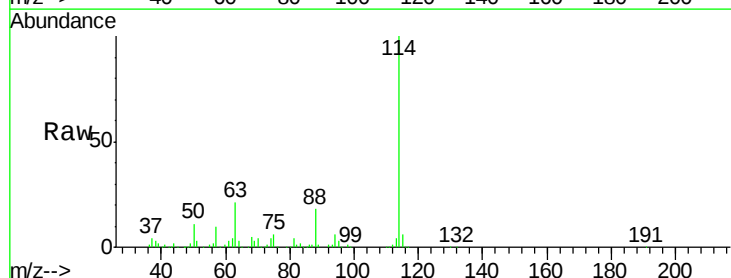
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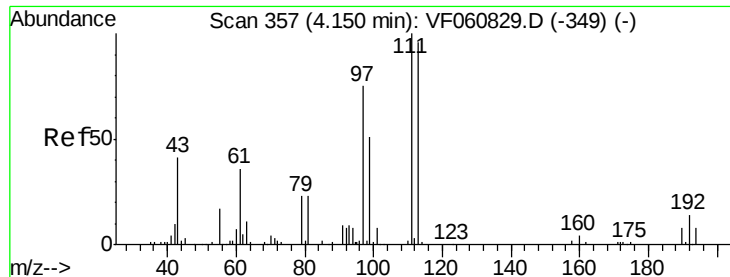
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion: 114 Resp: 305962
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 18.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.918 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

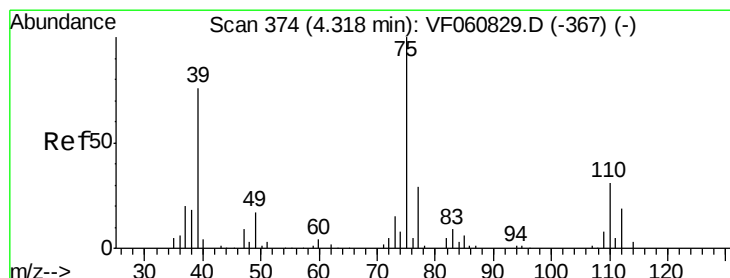
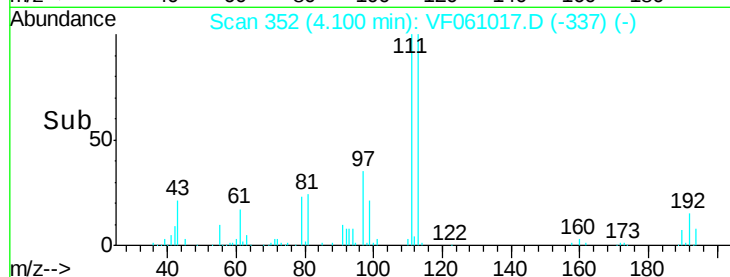
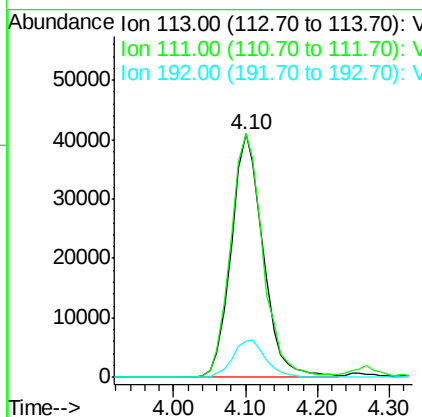
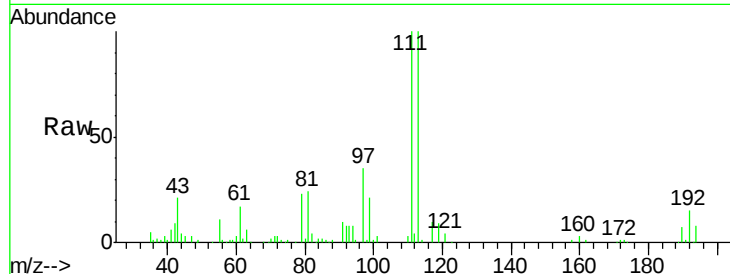
ClientSampleId :

VF1214SBS01

Tgt Ion:	113	Resp:	126019
Ion Ratio	Lower	Upper	
113	100		
111	100.1	83.0	124.6
192	15.0	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 25.233 ug/l

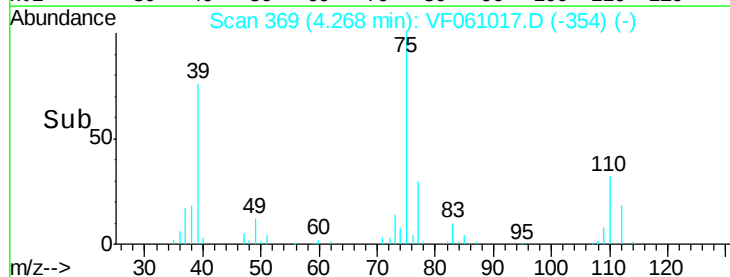
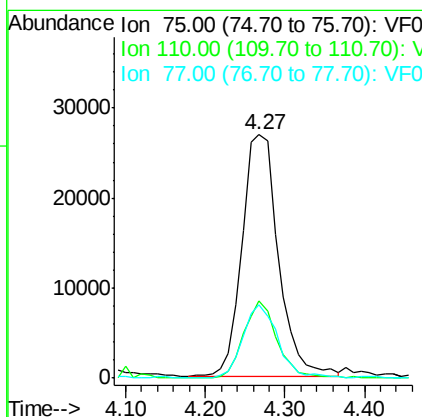
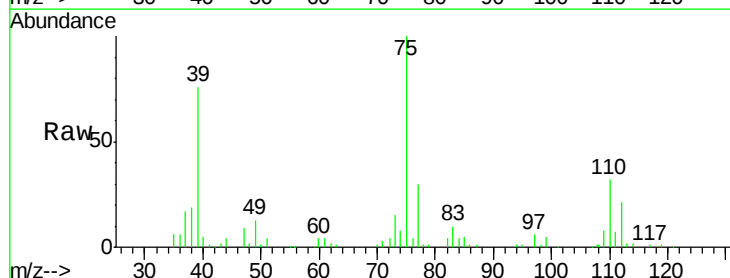
RT: 4.27 min Scan# 369

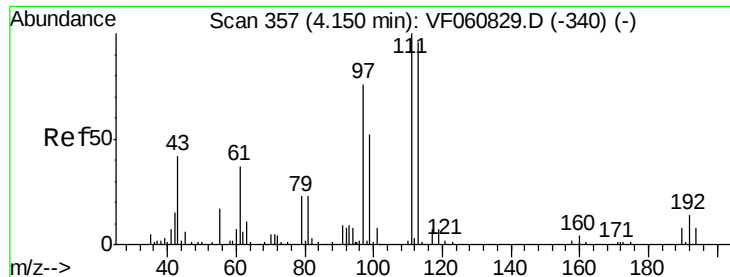
Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	75	Resp:	85631
Ion Ratio	Lower	Upper	
75	100		
110	31.8	15.6	46.8
77	30.0	23.4	35.0





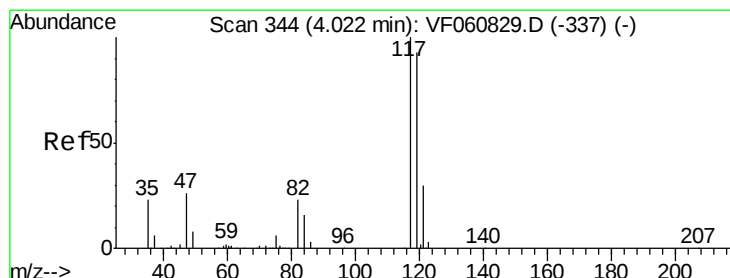
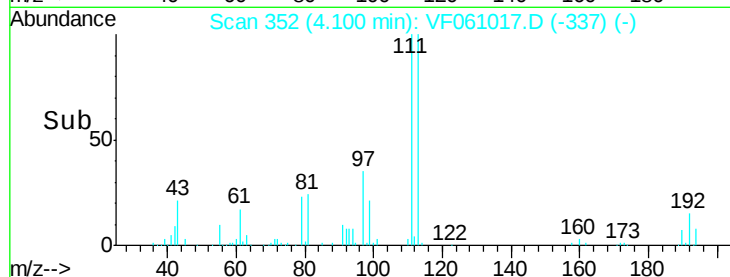
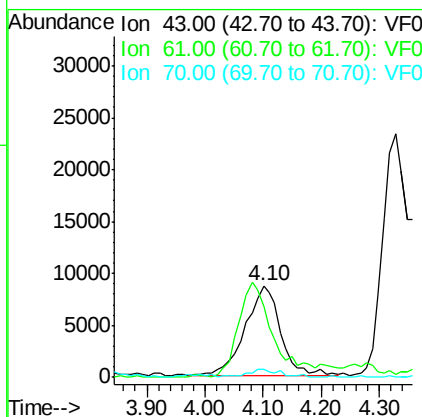
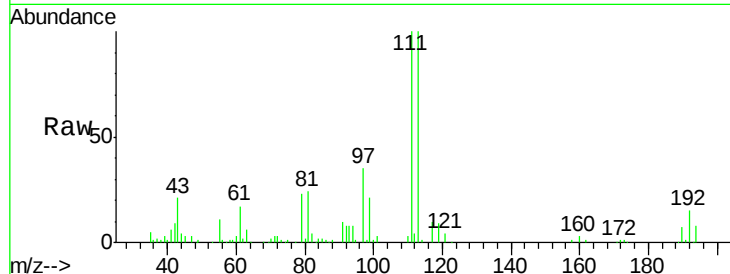
#37
Ethyl Acetate
Concen: 26.829 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	77.7	68.6	103.0
70	8.5	9.0	13.4

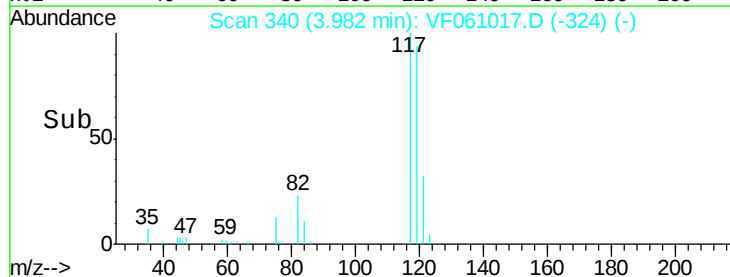
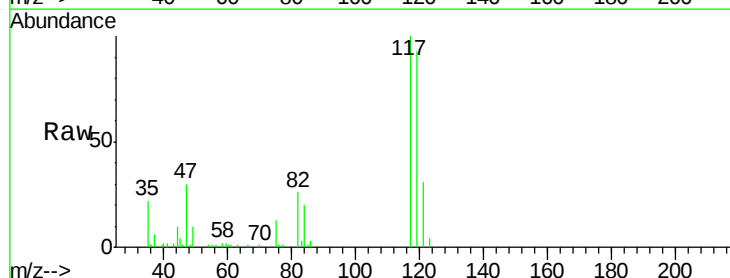
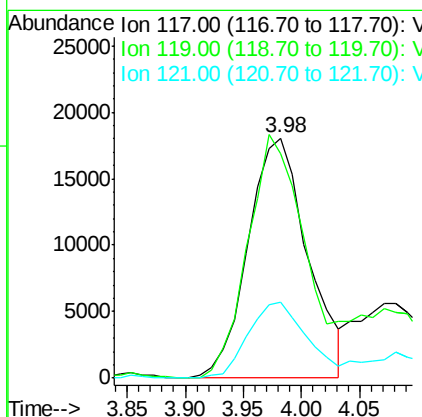
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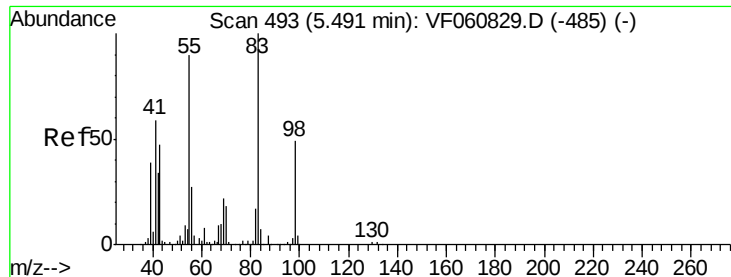
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#38
Carbon Tetrachloride
Concen: 21.343 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.4	111.6
121	31.4	23.5	35.3





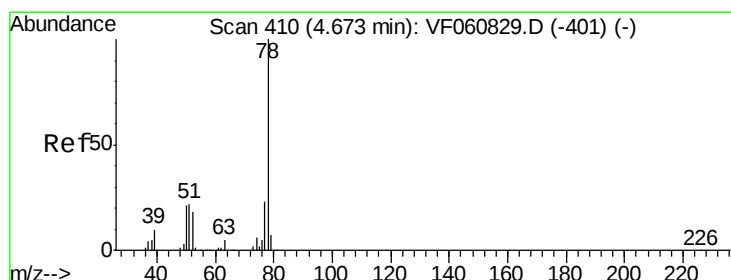
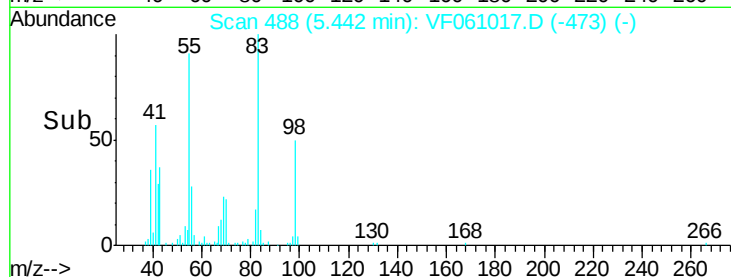
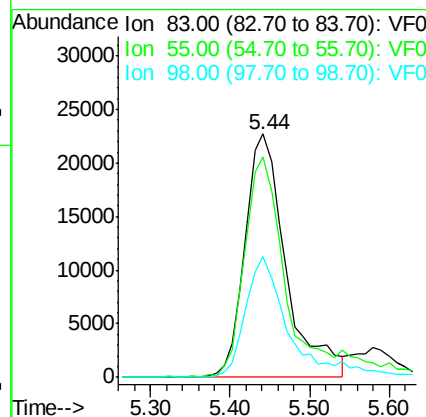
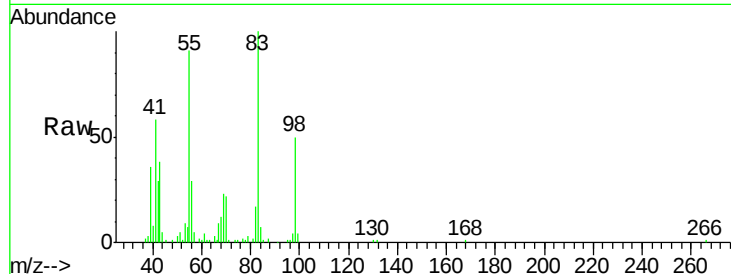
#39
Methylcyclohexane
Concen: 22.740 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.5	72.1	108.1
98	49.8	39.1	58.7

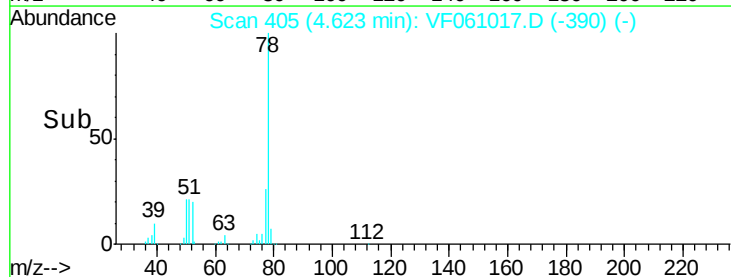
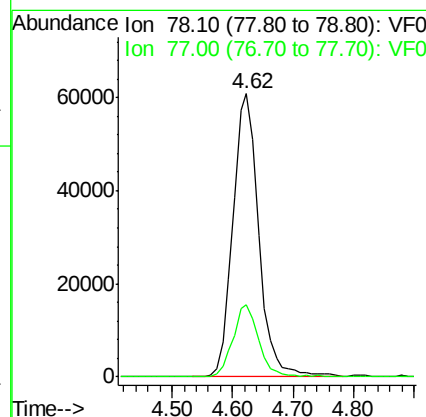
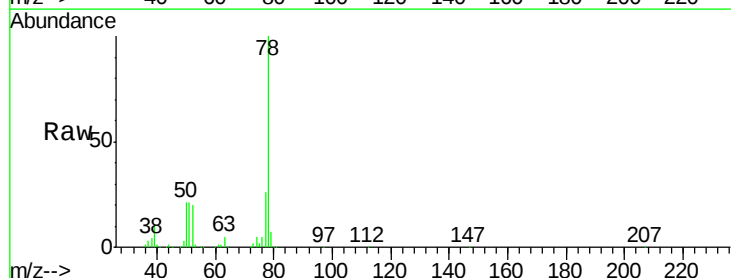
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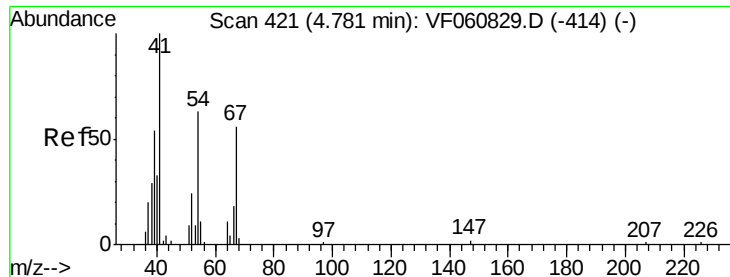
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#40
Benzene
Concen: 24.091 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.7	28.1





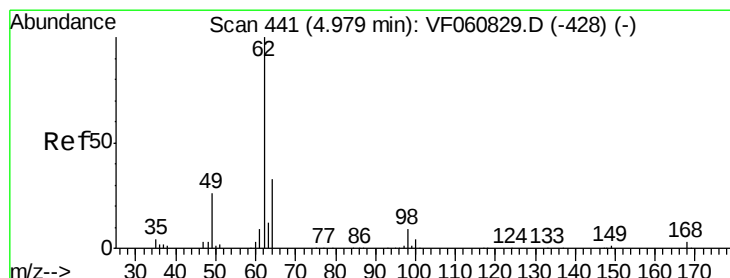
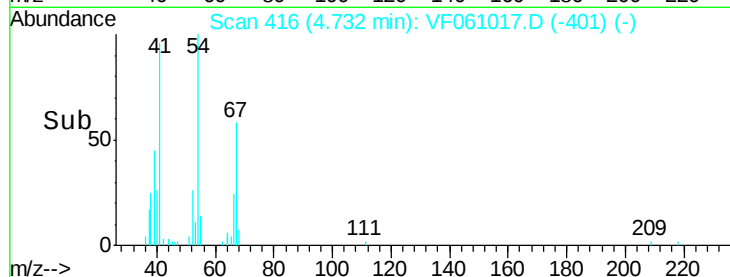
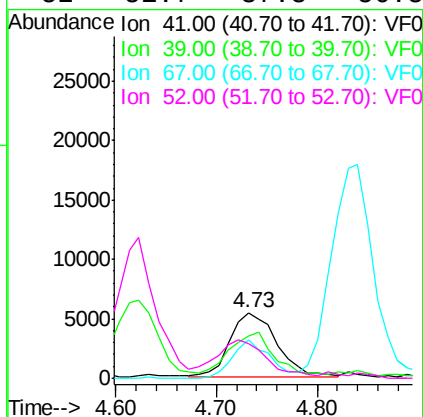
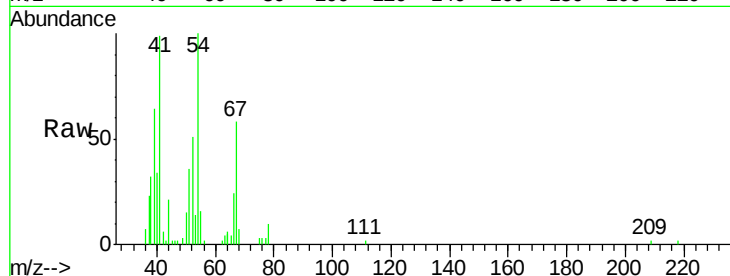
#41
Methacrylonitrile
Concen: 22.037 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.4	53.0	79.6	
67	58.7	43.8	65.6	
52	51.7	37.8	56.8	

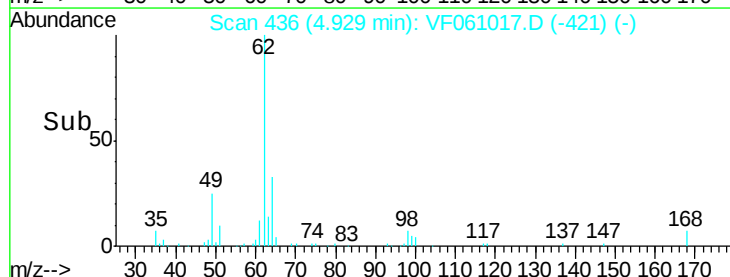
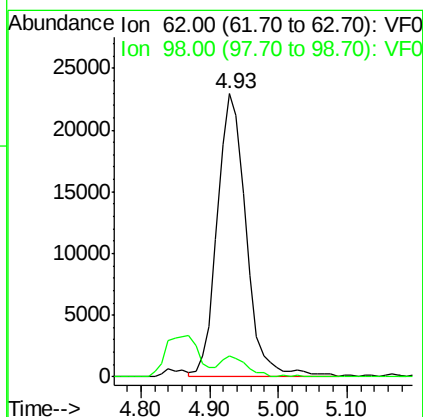
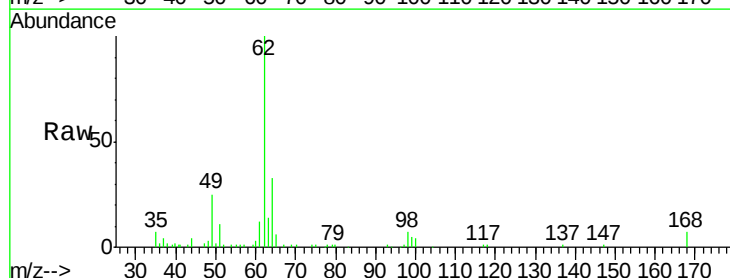
Manual Integrations
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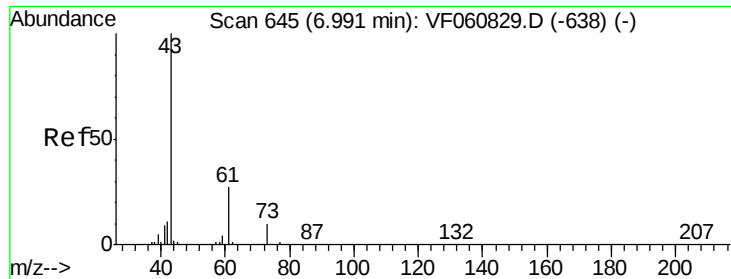
apatel
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#42
1,2-Dichloroethane
Concen: 24.493 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	17.2	





#43

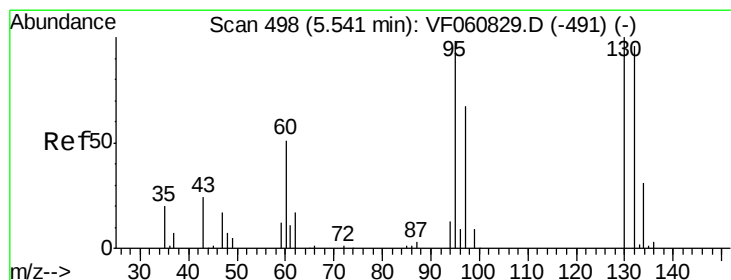
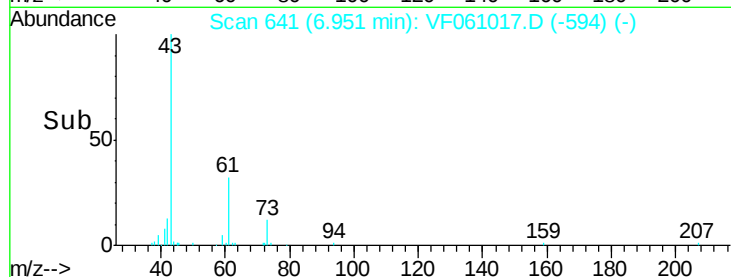
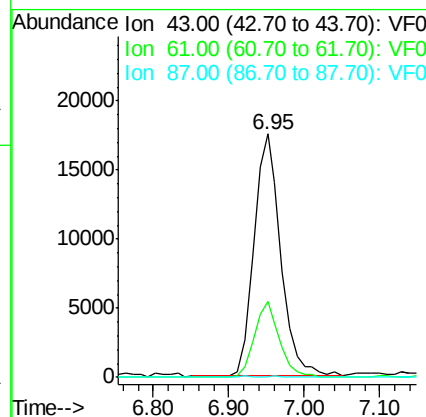
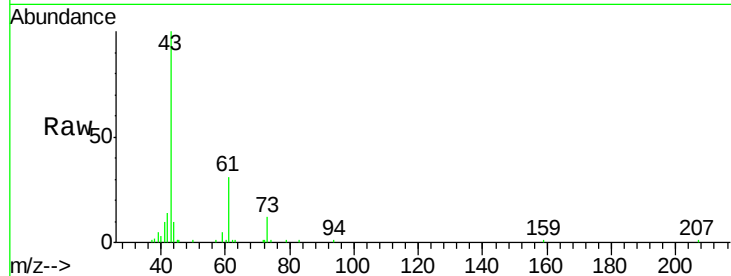
Isopropyl Acetate
 Concen: 23.697 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.4	21.4	32.0
87	0.0	0.2	0.4

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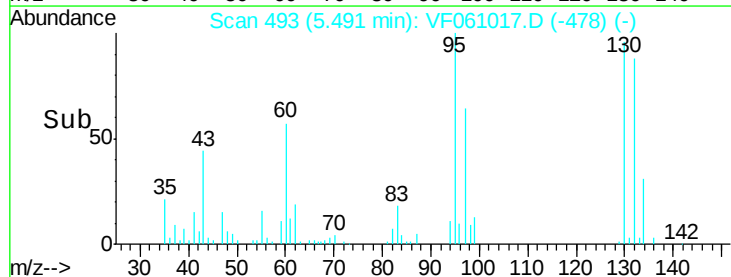
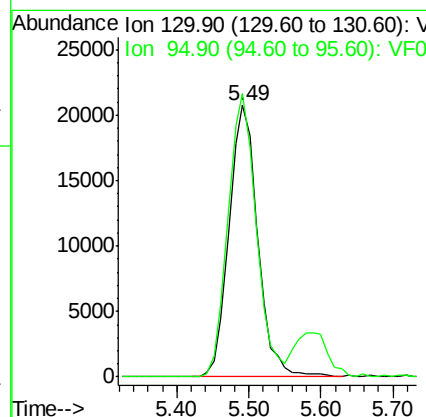
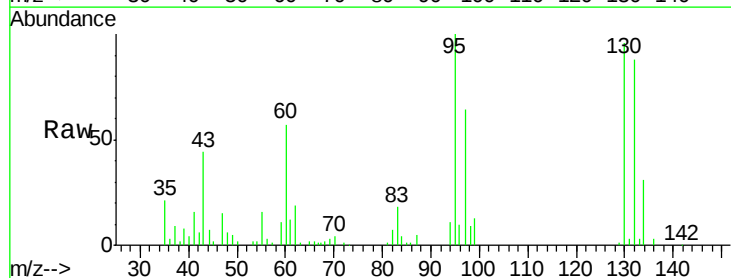
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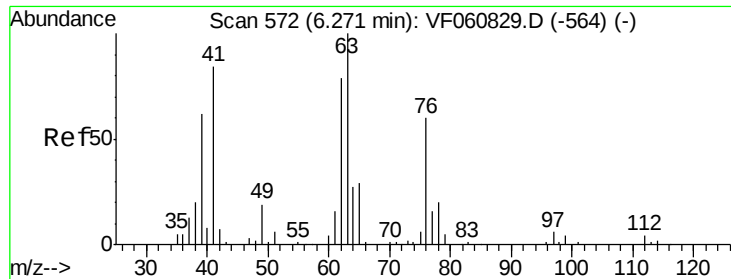


#44

Trichloroethene
 Concen: 23.391 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.05 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	195.6





#45

1,2-Dichloropropane

Concen: 24.353 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

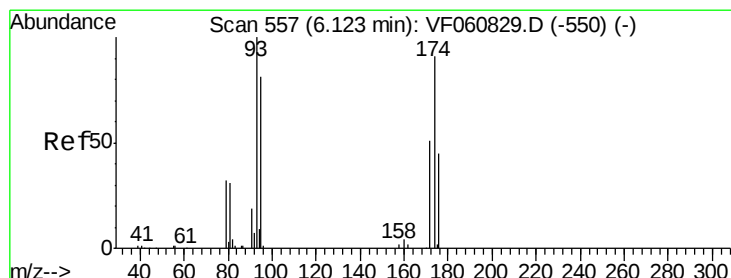
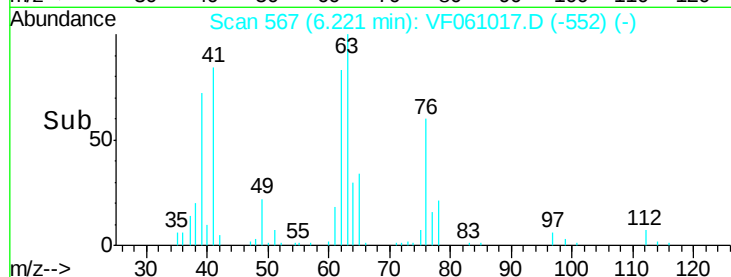
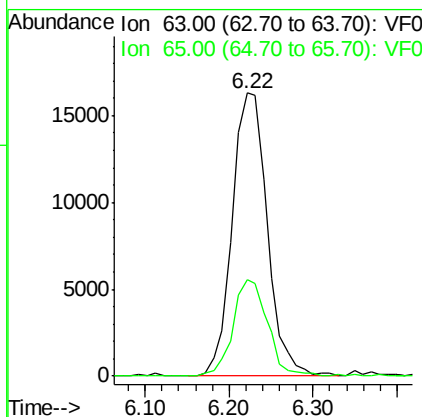
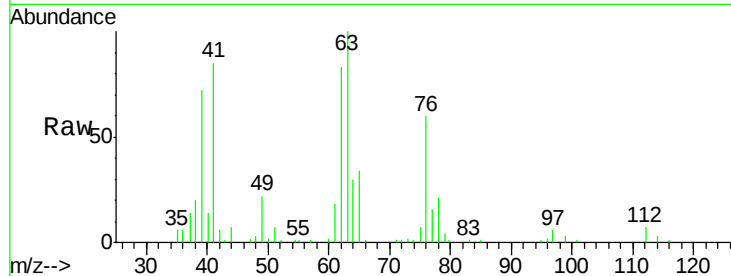
ClientSampleId :

VF1214SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.1	23.2	34.8

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#46

Dibromomethane

Concen: 25.255 ug/l

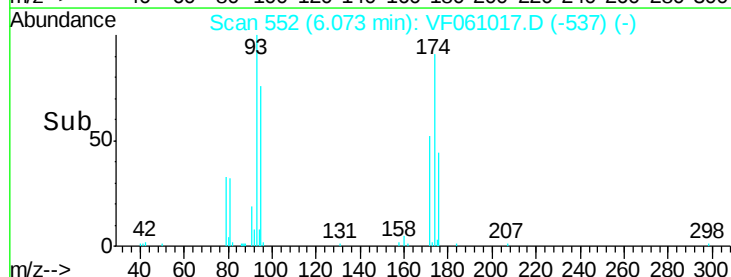
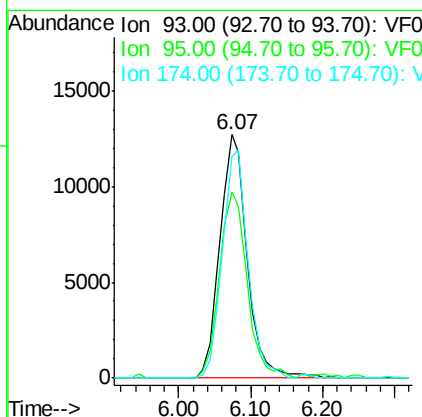
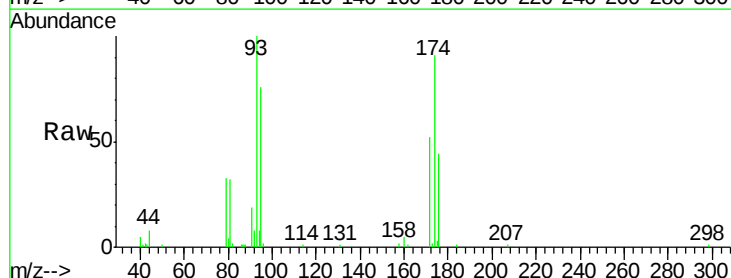
RT: 6.07 min Scan# 552

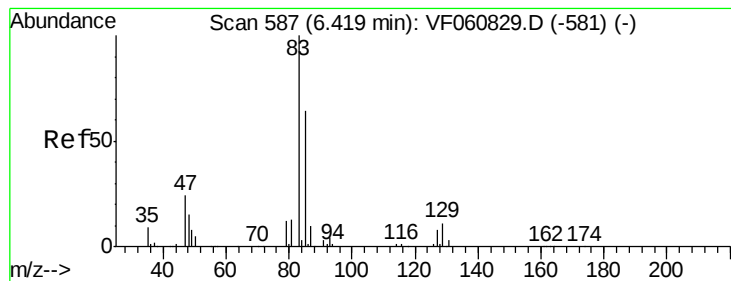
Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	76.3	64.7	97.1
174	91.3	73.0	109.6





#47

Bromodichloromethane

Concen: 23.032 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

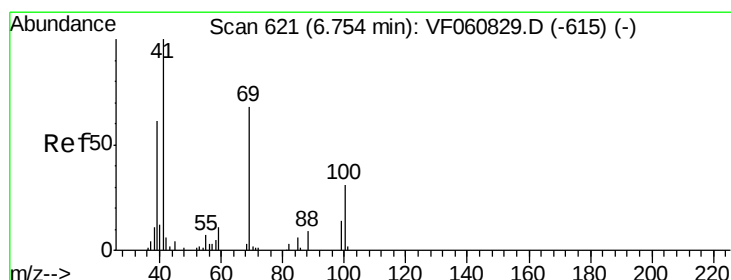
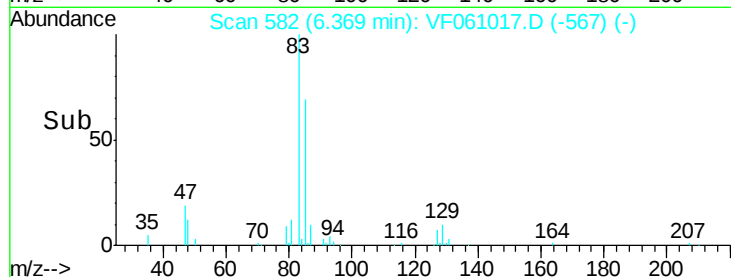
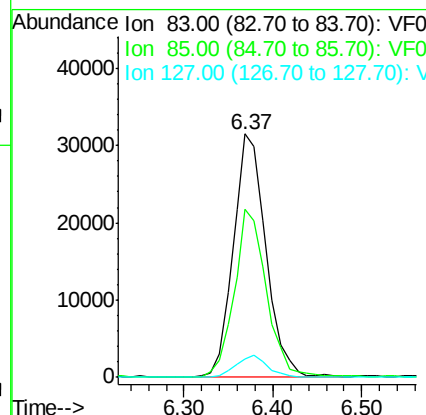
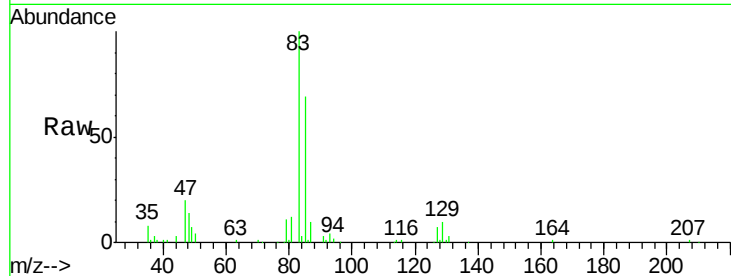
ClientSampleId :

VF1214SBS01

Tgt Ion:	83	Resp:	80800
Ion Ratio	Lower	Upper	
83	100		
85	69.1	51.1	76.7
127	7.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 22.980 ug/l

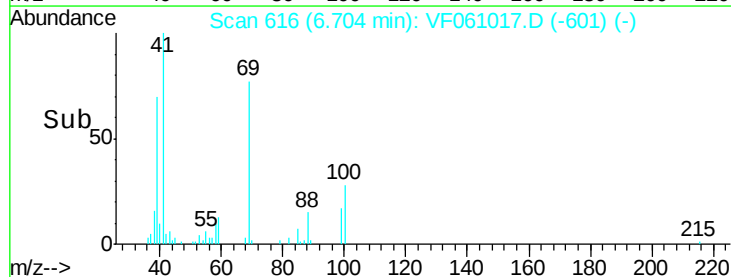
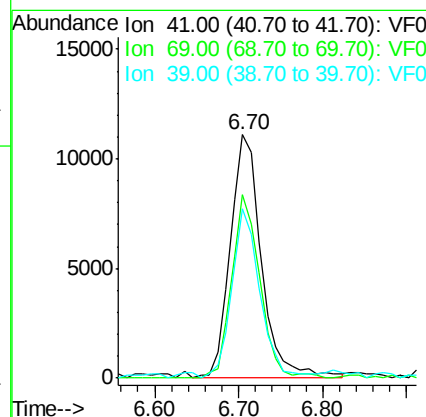
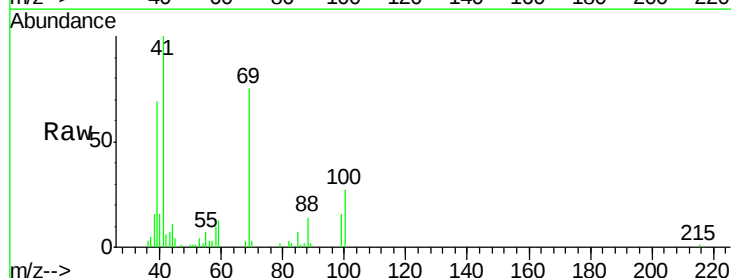
RT: 6.70 min Scan# 616

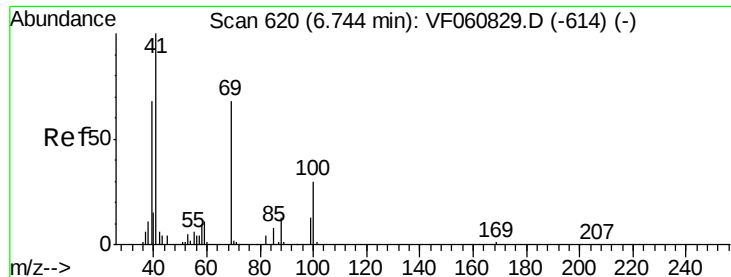
Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	41	Resp:	28686
Ion Ratio	Lower	Upper	
41	100		
69	75.3	53.9	80.9
39	69.3	49.0	73.6





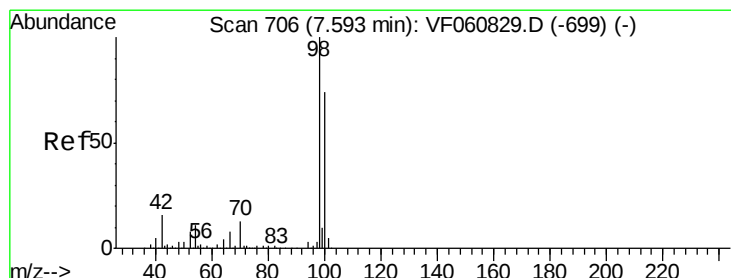
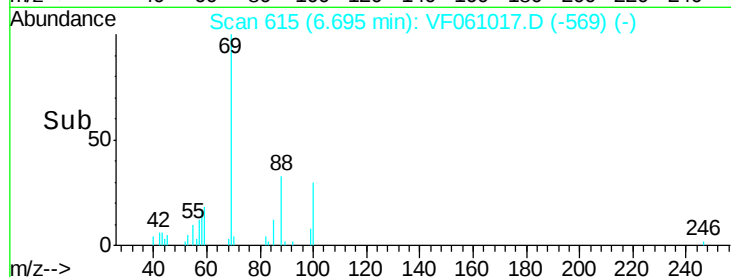
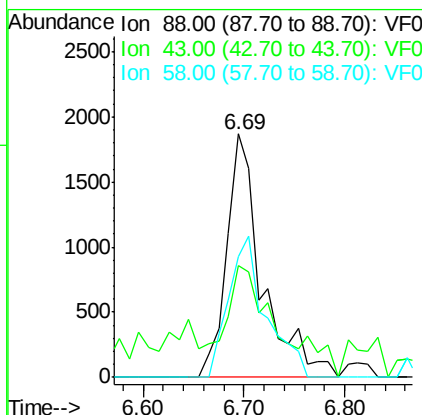
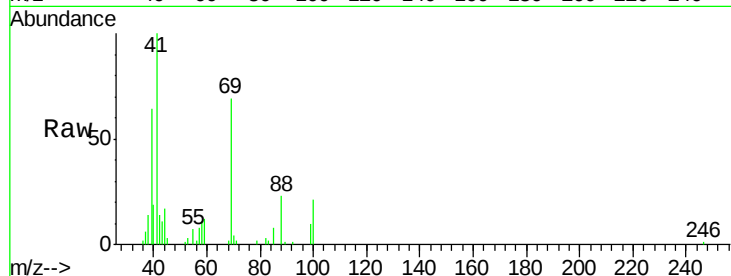
#49
1,4-Dioxane
Concen: 498.797 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	4557		
43	46.2		42.0	63.0
58	49.5		61.8	92.8#

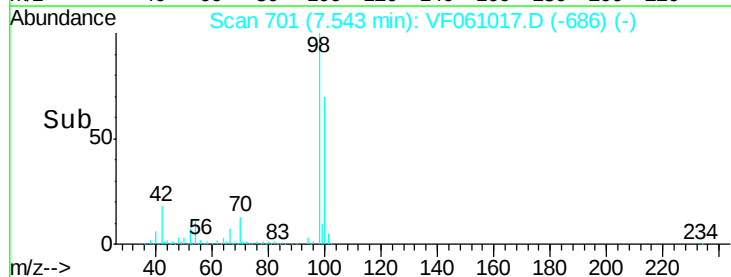
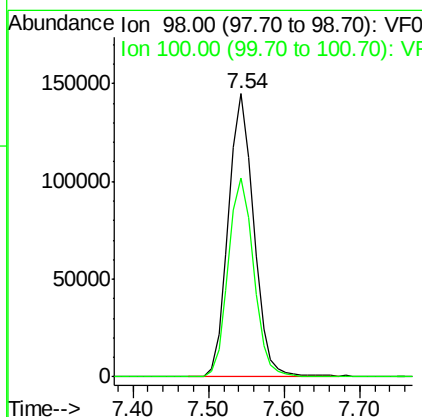
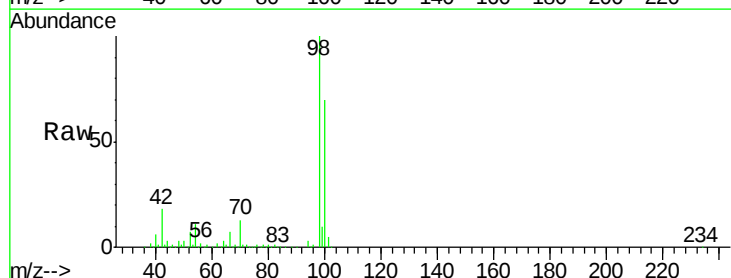
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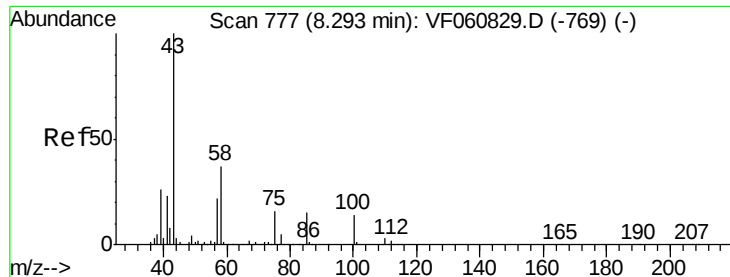
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#50
Toluene-d8
Concen: 47.263 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	337933		
100	70.5		59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 115.149 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 43 Resp: 146439
Ion Ratio Lower Upper

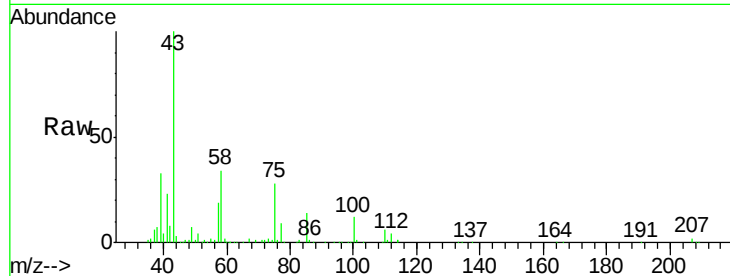
43 100

58 34.3 29.7 44.5

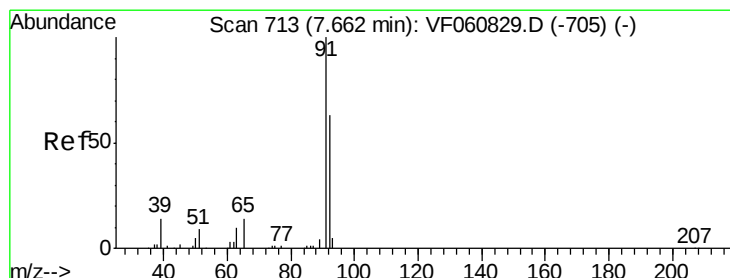
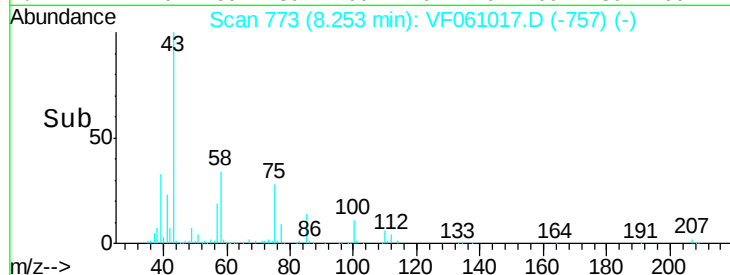
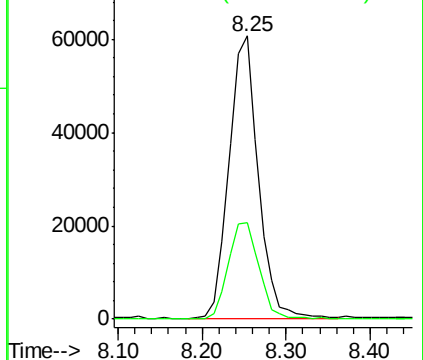
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Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.211 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

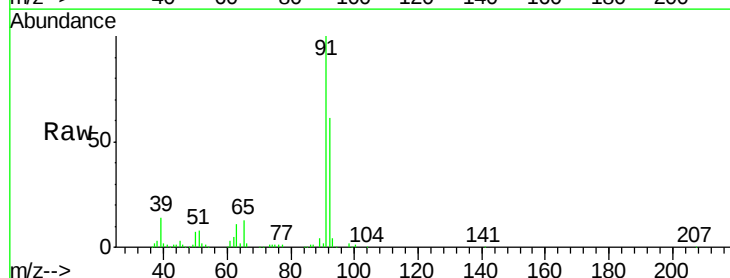
Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

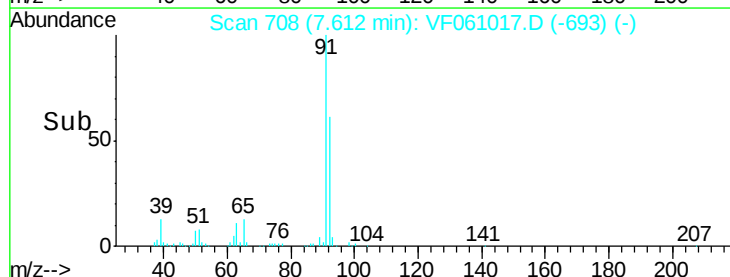
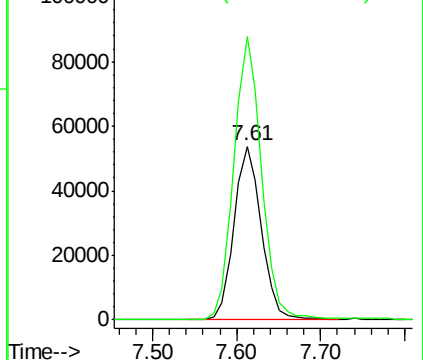
Tgt Ion: 92 Resp: 122233
Ion Ratio Lower Upper

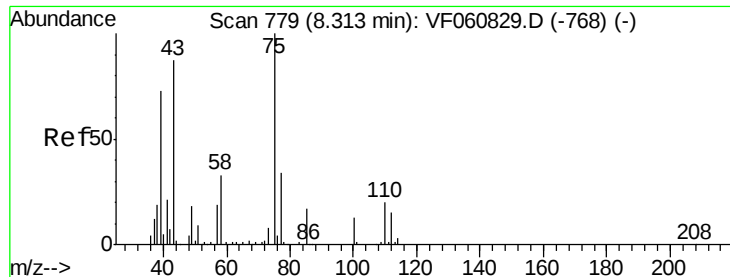
92 100

91 163.2 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





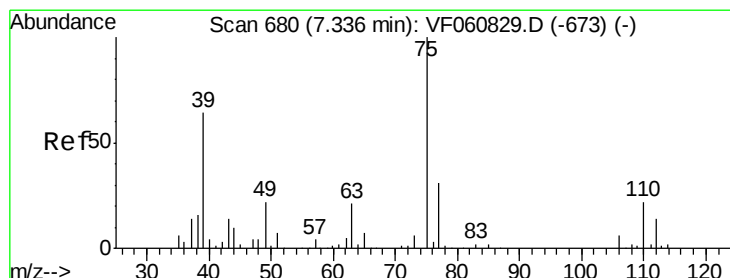
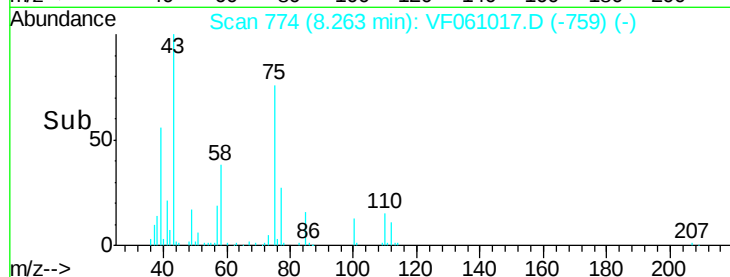
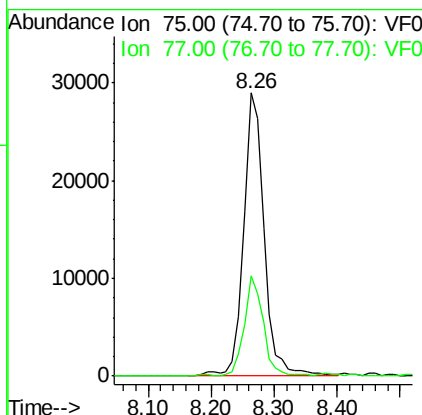
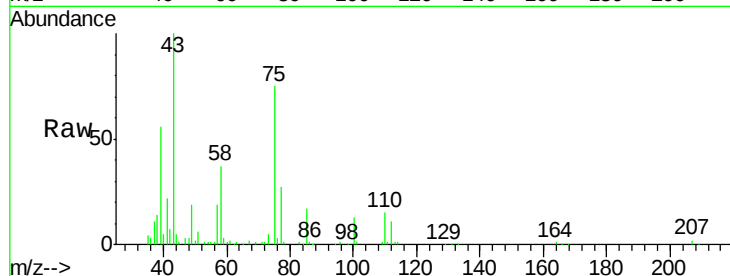
#53
t-1,3-Dichloropropene
Concen: 22.877 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion: 75 Resp: 65281
Ion Ratio Lower Upper
75 100
77 35.5 27.4 41.2

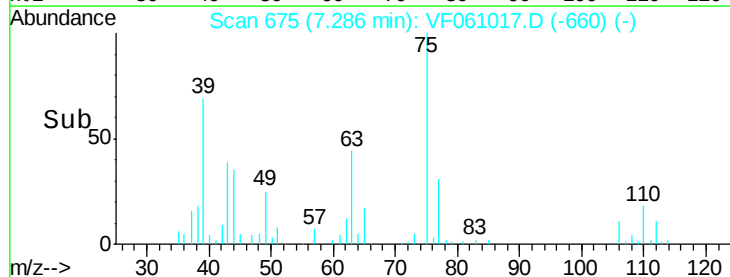
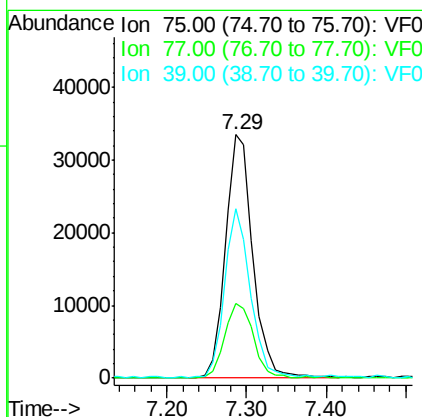
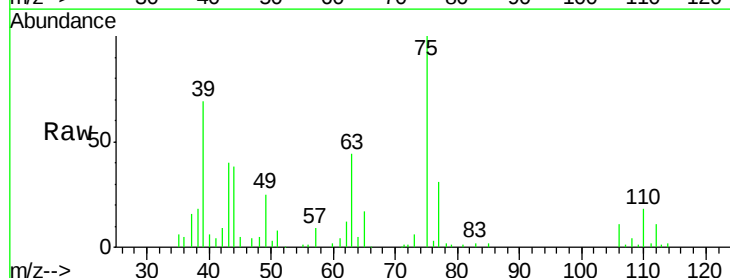
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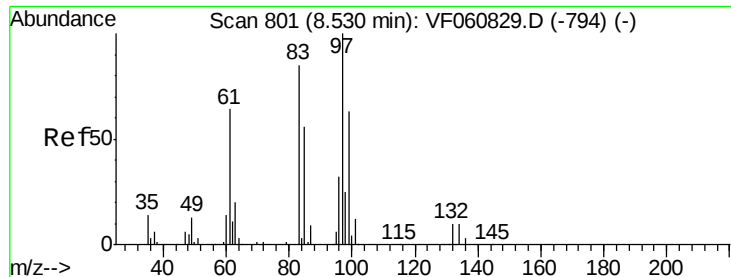
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#54
cis-1,3-Dichloropropene
Concen: 22.848 ug/l
RT: 7.29 min Scan# 675
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 75 Resp: 80714
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.6
39 69.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 24.207 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

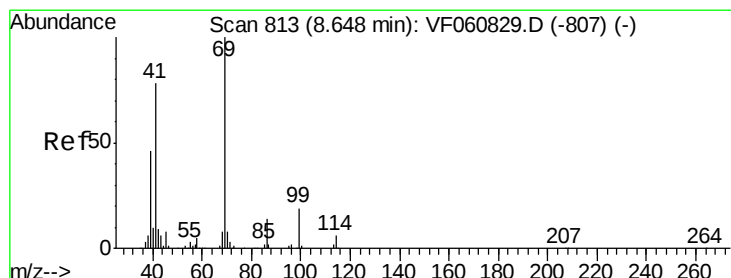
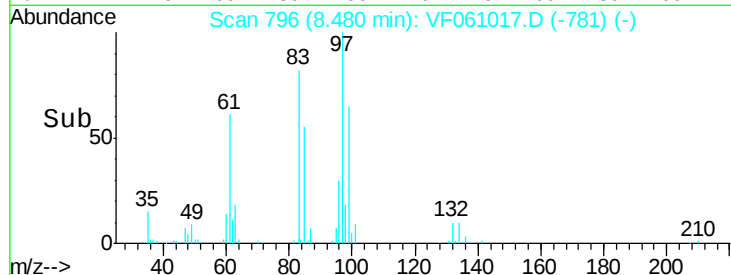
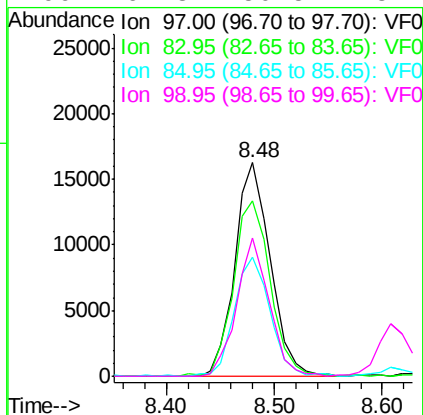
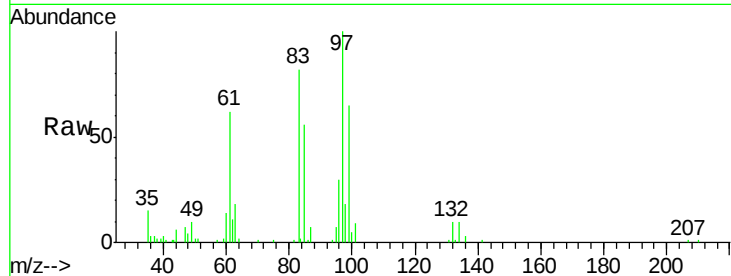
ClientSampleId :

VF1214SBS01

Tgt Ion:	97	Resp:	37146
Ion	Ratio	Lower	Upper
97	100		
83	81.9	67.8	101.6
85	55.8	45.0	67.6
99	64.8	50.5	75.7

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#56

Ethyl methacrylate

Concen: 22.960 ug/l

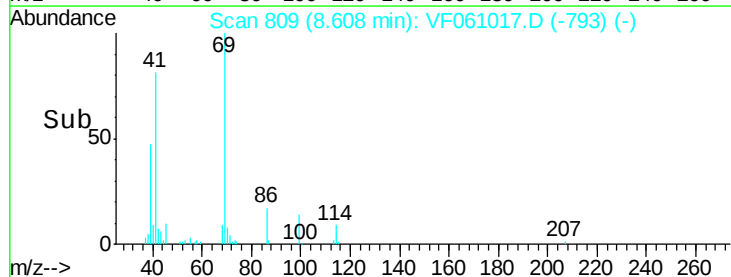
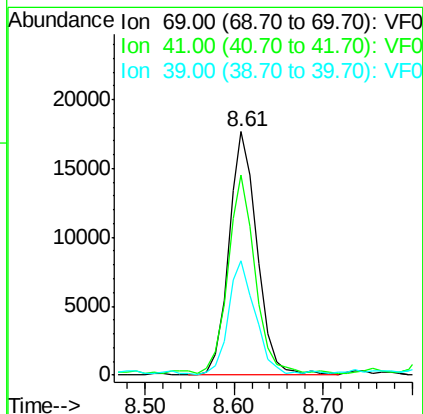
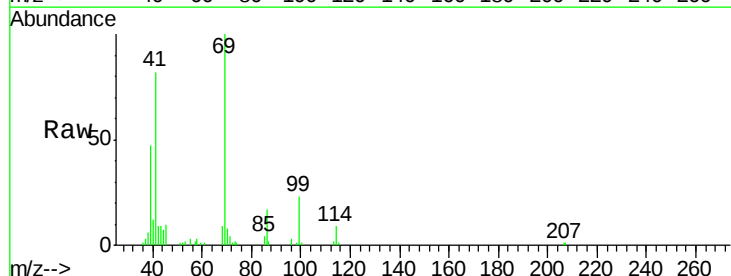
RT: 8.61 min Scan# 809

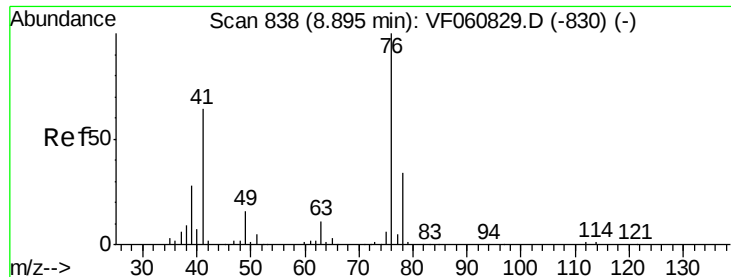
Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	69	Resp:	39139
Ion	Ratio	Lower	Upper
69	100		
41	81.9	62.6	94.0
39	46.9	37.8	56.6





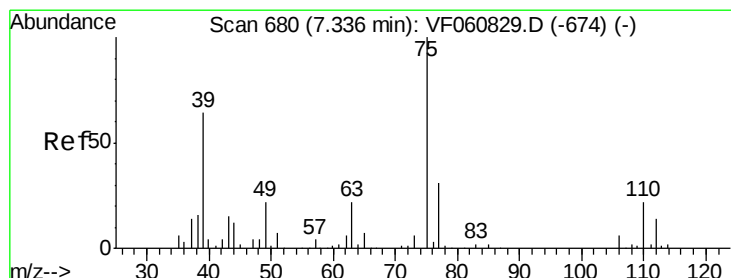
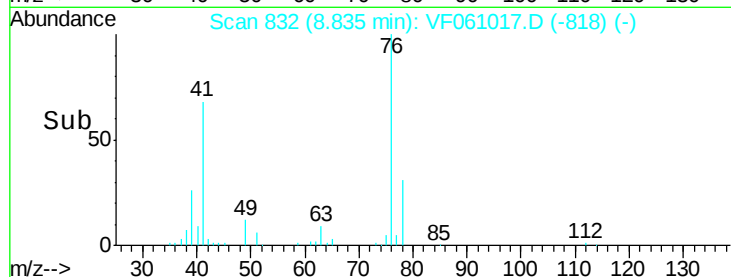
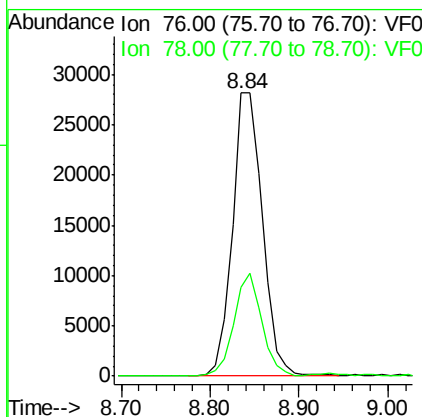
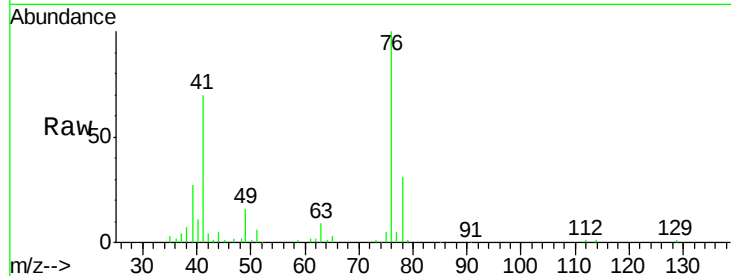
#57
 1,3-Dichloropropane
 Concen: 24.807 ug/l
 RT: 8.84 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion: 76 Resp: 66599
 Ion Ratio Lower Upper
 76 100
 78 31.4 27.0 40.4

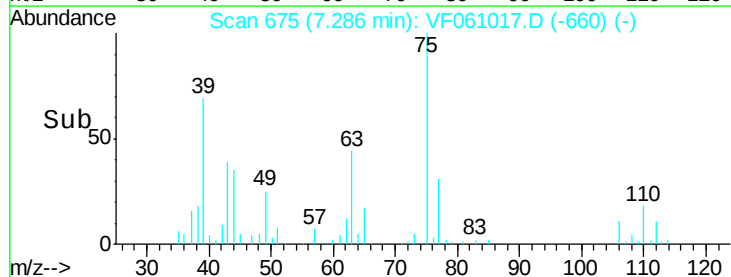
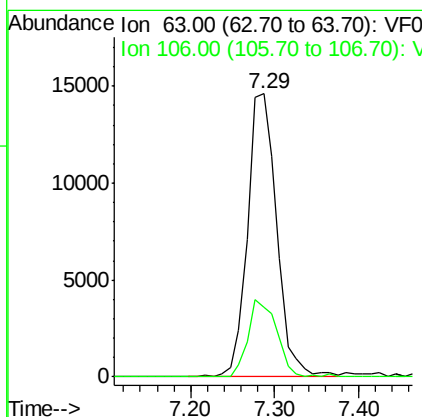
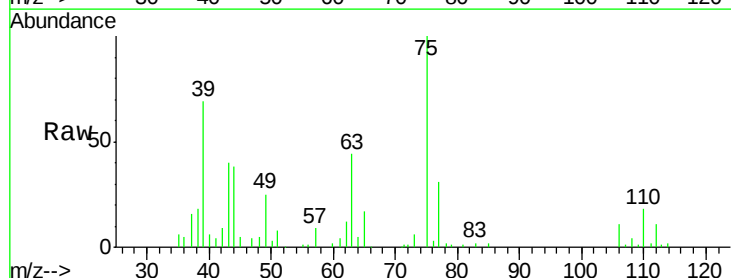
Manual Integrations
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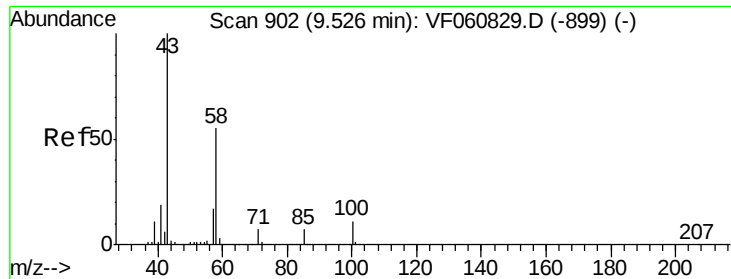
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#58
 2-Chloroethyl Vinyl ether
 Concen: 205.072 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion: 63 Resp: 35756
 Ion Ratio Lower Upper
 63 100
 106 24.4 23.0 34.6





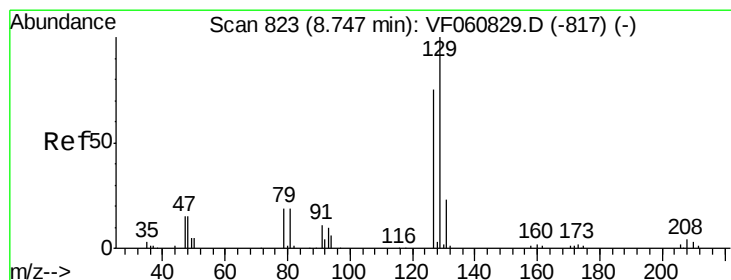
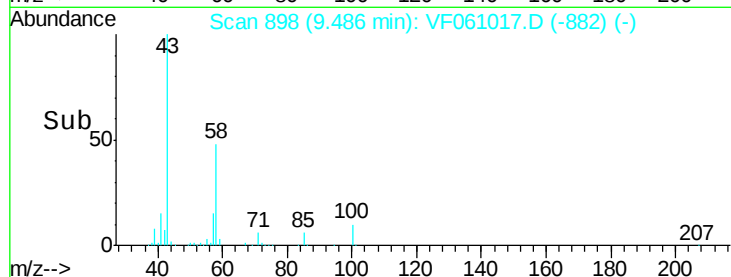
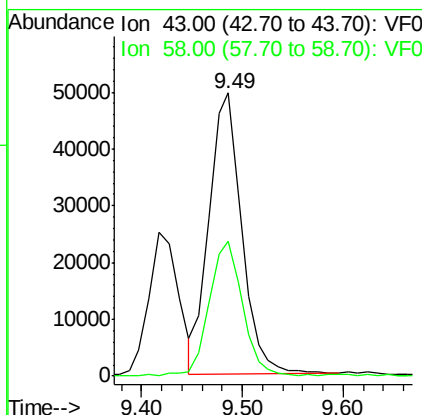
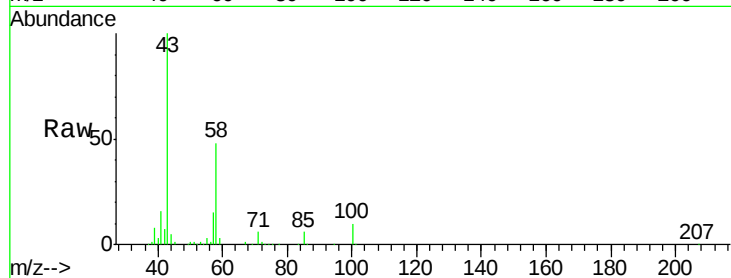
#59
2-Hexanone
Concen: 125.542 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion: 43 Resp: 112008
Ion Ratio Lower Upper
43 100
58 47.5 25.6 76.6

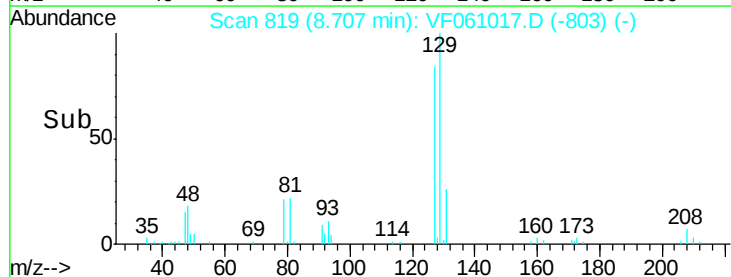
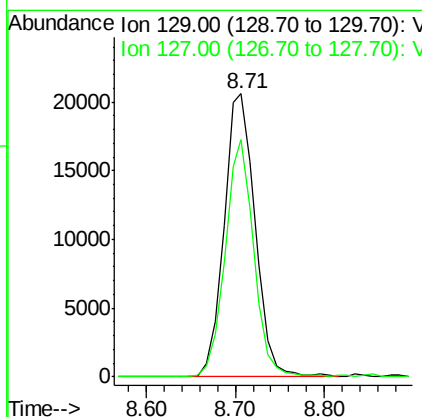
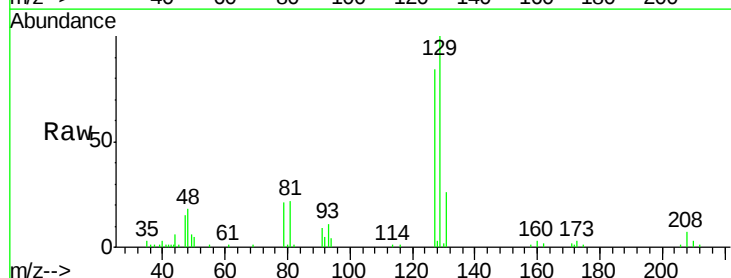
Manual Integrations
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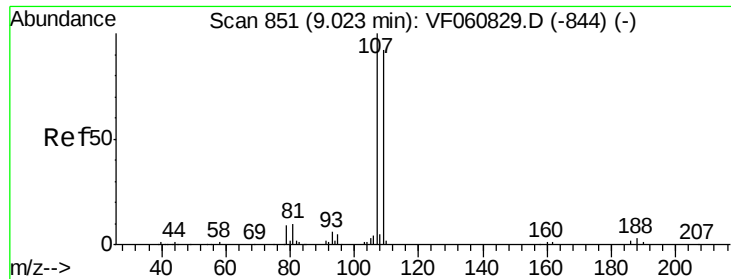
apatel
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#60
Dibromochloromethane
Concen: 22.043 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 129 Resp: 50397
Ion Ratio Lower Upper
129 100
127 84.0 37.3 111.9





#61

1,2-Dibromoethane

Concen: 24.252 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 107 Resp: 40202

Ion Ratio Lower Upper

107 100

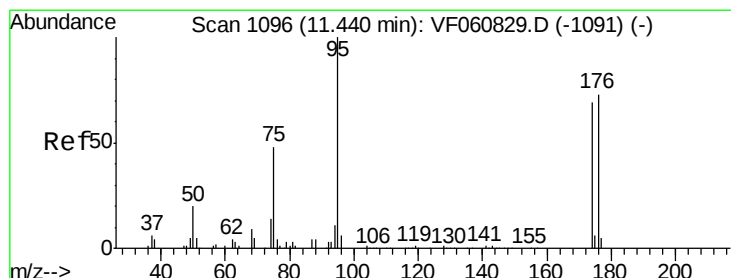
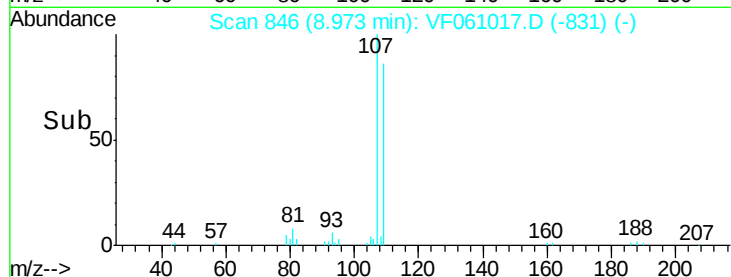
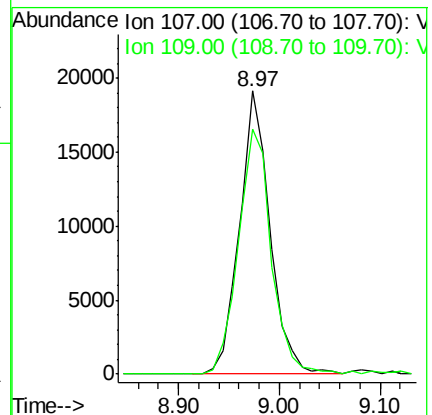
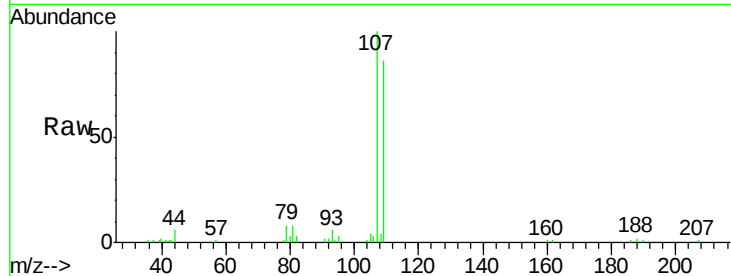
109 86.4 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 51.190 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

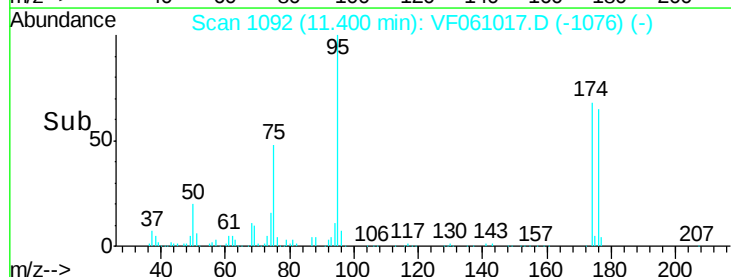
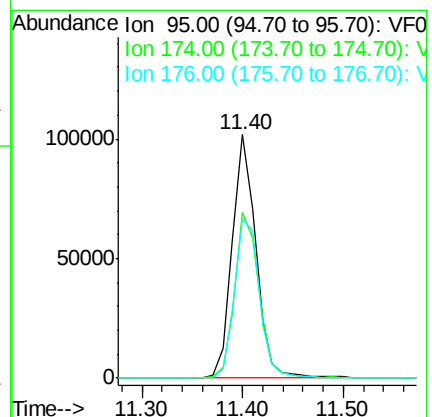
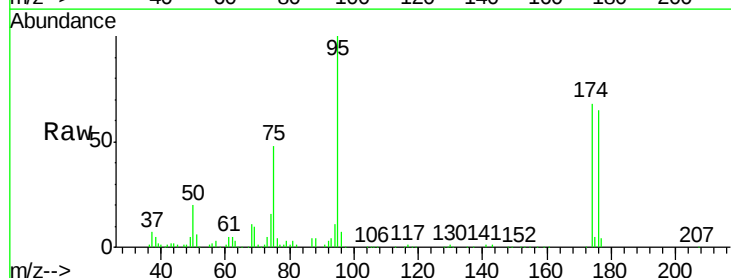
Tgt Ion: 95 Resp: 166345

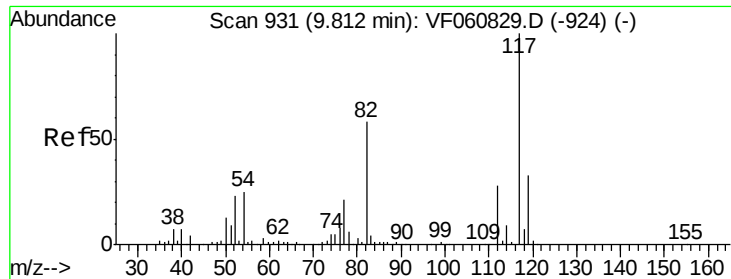
Ion Ratio Lower Upper

95 100

174 68.0 0.0 138.2

176 65.2 0.0 146.2





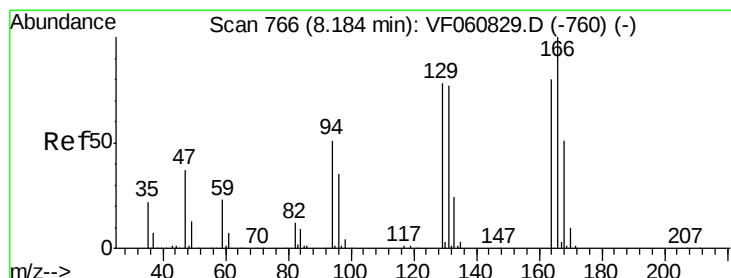
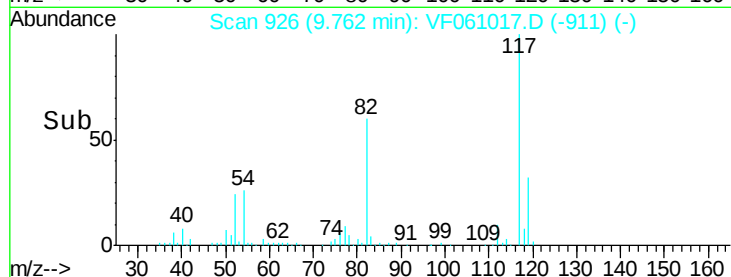
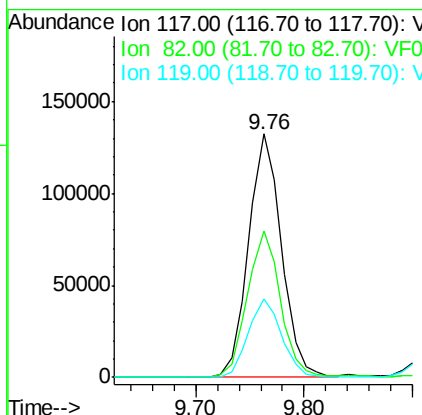
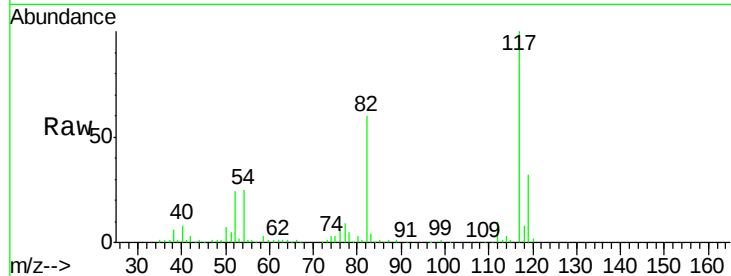
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	280659		
82	60.3	46.6	69.8	
119	32.3	26.4	39.6	

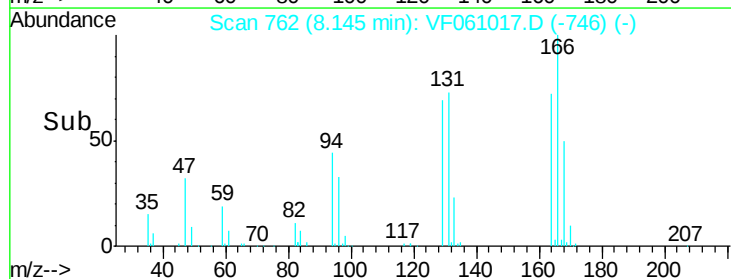
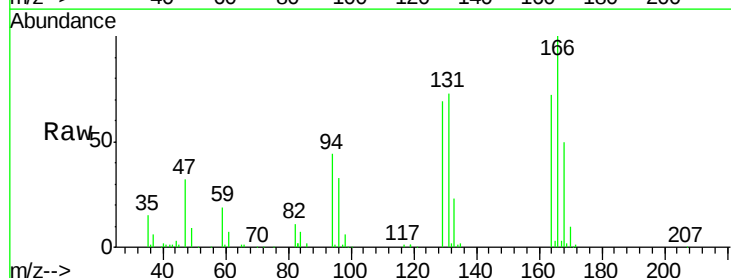
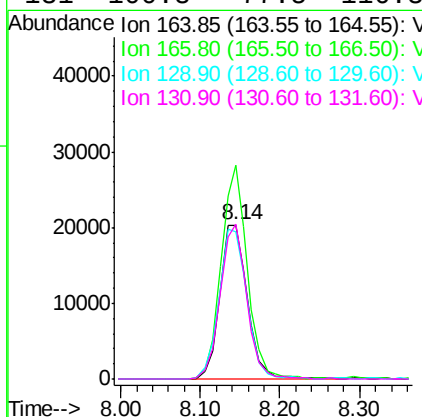
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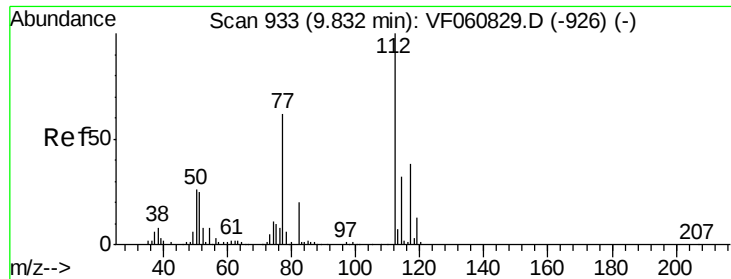
apatel
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#64
Tetrachloroethene
Concen: 23.232 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49801		
166	138.5	100.3	150.5	
129	95.2	77.9	116.9	
131	100.8	77.5	116.3	





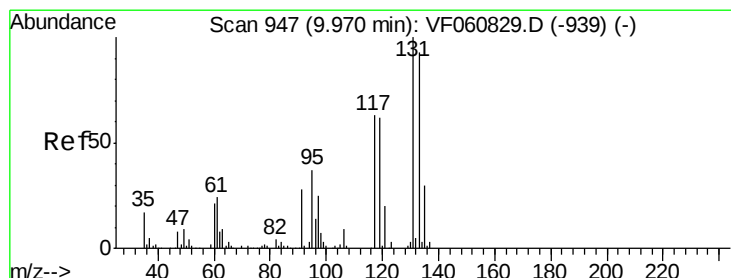
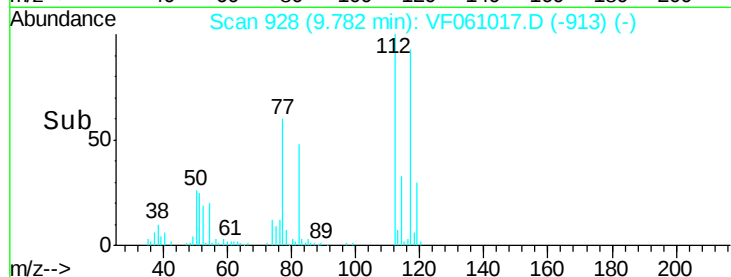
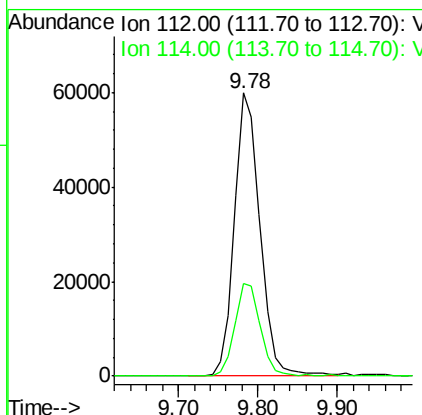
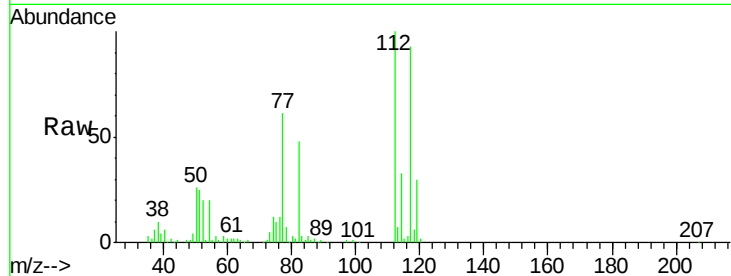
#65
Chlorobenzene
Concen: 24.639 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion:112 Resp: 134527
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

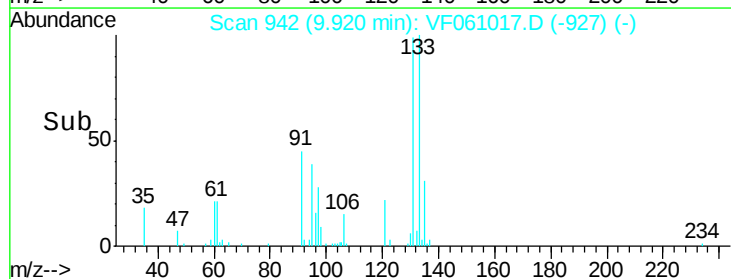
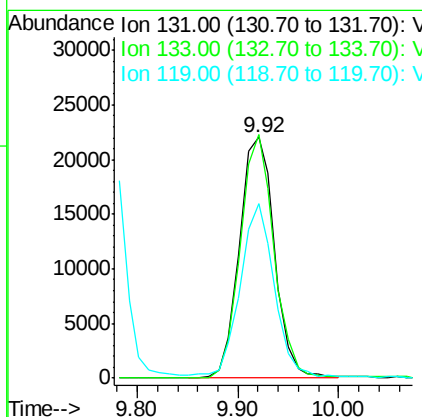
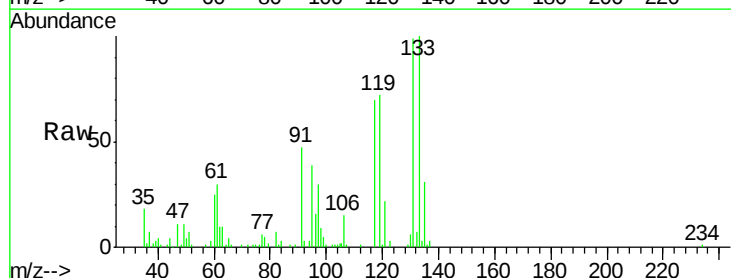
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.747 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion:131 Resp: 53392
Ion Ratio Lower Upper
131 100
133 101.2 46.5 139.3
119 72.4 31.1 93.3





#67

Ethyl Benzene

Concen: 24.442 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 91 Resp: 248445

Ion Ratio Lower Upper

91 100

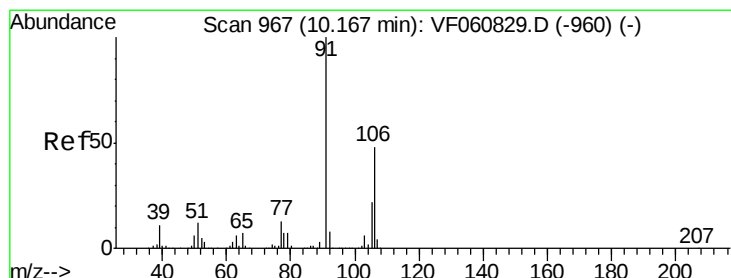
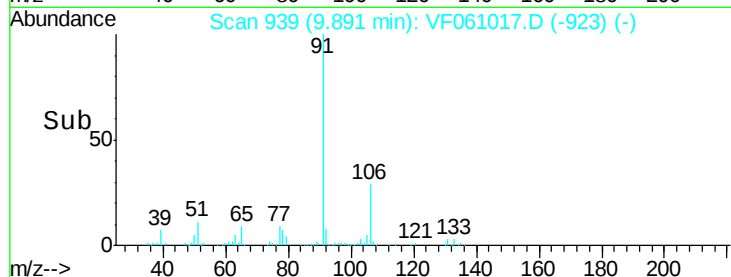
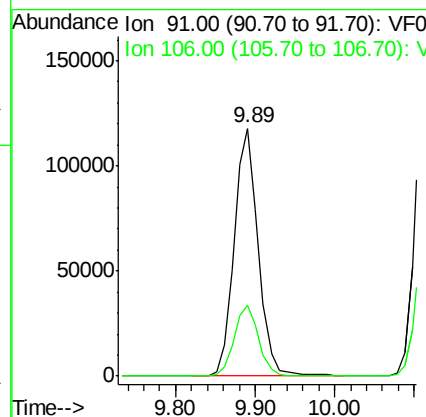
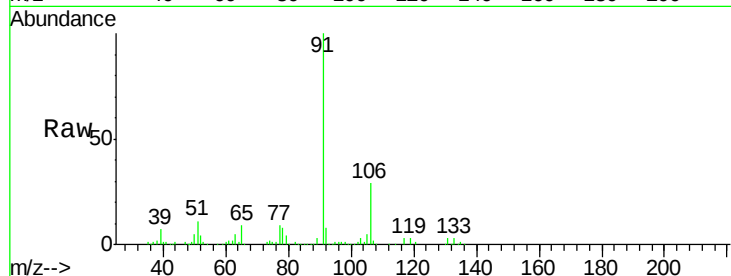
106 28.6 22.2 33.2

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#68

m/p-Xylenes

Concen: 51.881 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF061017.D

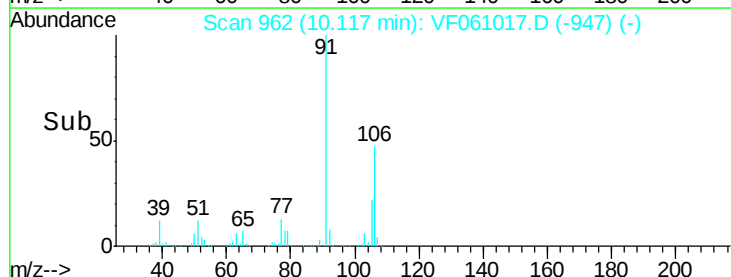
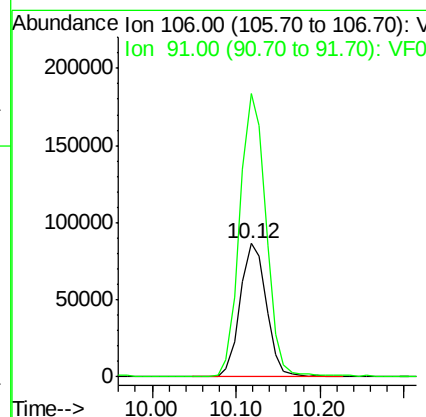
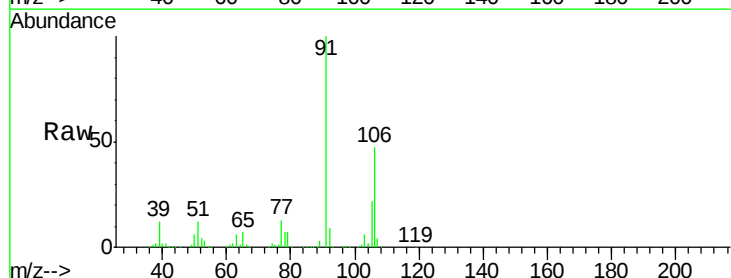
Acq: 14 Dec 2018 13:49

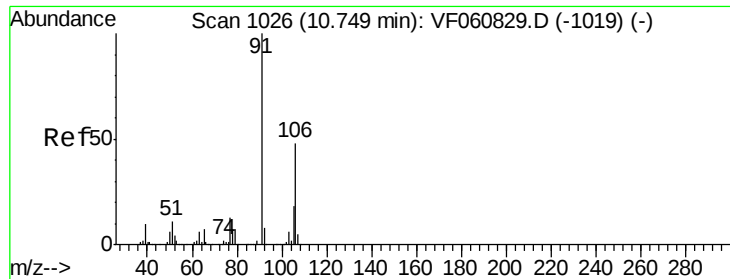
Tgt Ion: 106 Resp: 189669

Ion Ratio Lower Upper

106 100

91 212.4 166.7 250.1





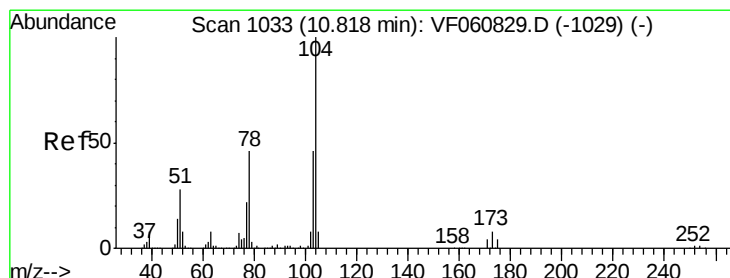
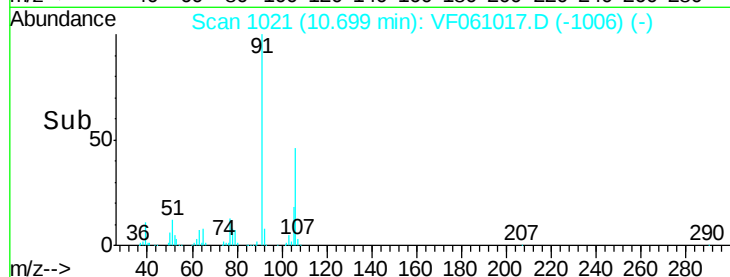
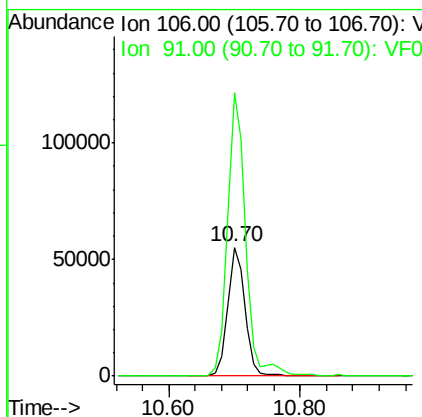
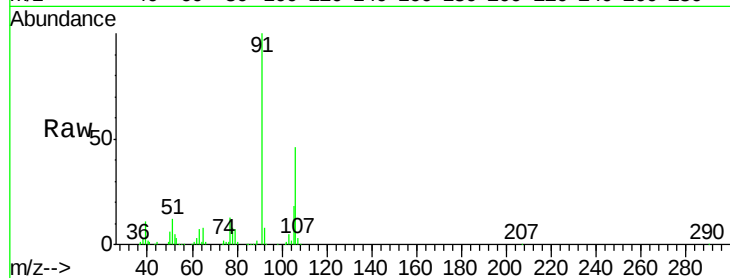
#69
o-Xylene
Concen: 25.387 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion:106 Resp: 102344
Ion Ratio Lower Upper
106 100
91 219.4 104.8 314.6

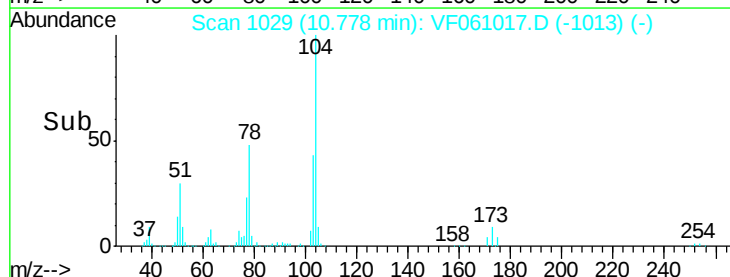
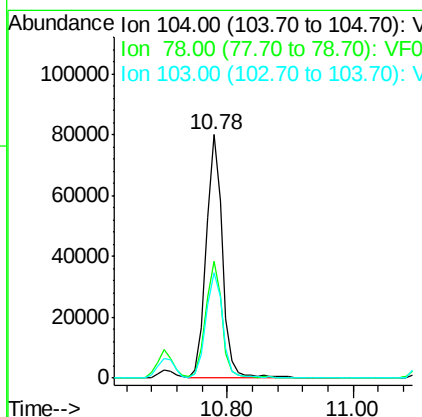
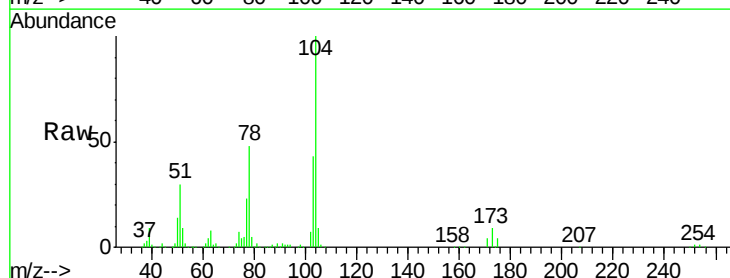
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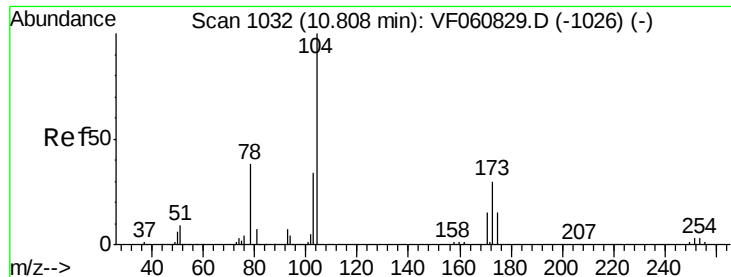
apatel
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#70
Styrene
Concen: 25.786 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion:104 Resp: 144098
Ion Ratio Lower Upper
104 100
78 47.8 37.3 55.9
103 43.4 36.8 55.2





#71

Bromoform

Concen: 24.789 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.05 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

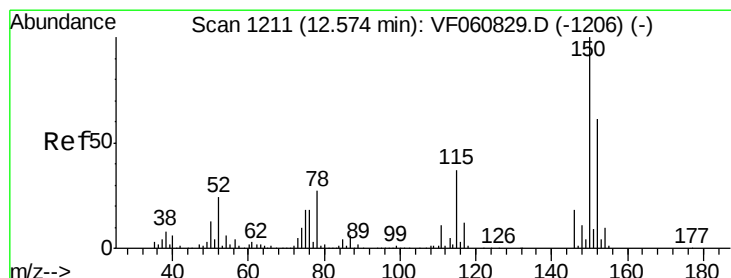
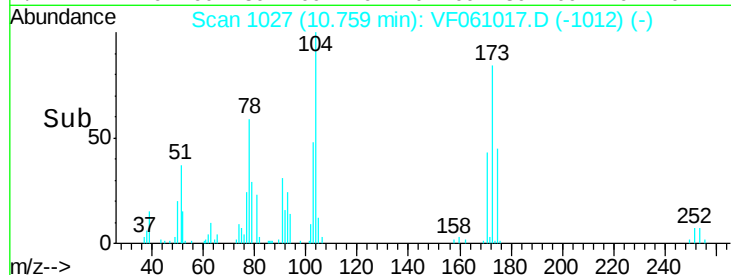
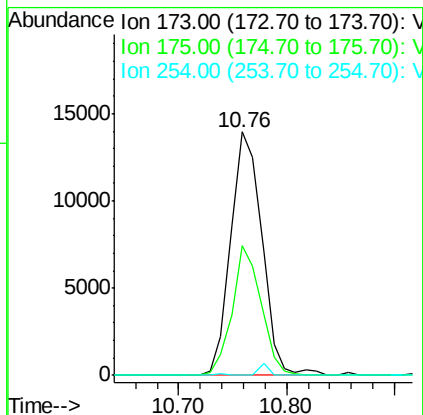
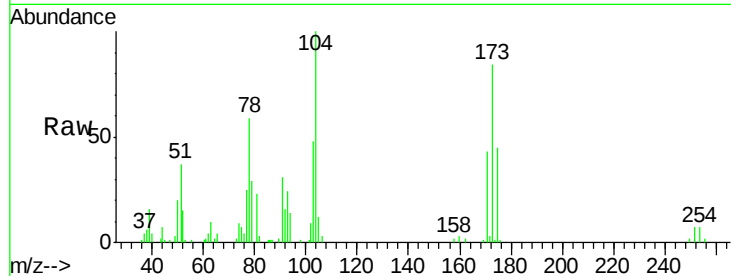
ClientSampleId :

VF1214SBS01

Tgt Ion:173 Resp: 28105
 Ion Ratio Lower Upper
 173 100
 175 53.3 25.5 76.5
 254 0.0 7.5 11.3#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

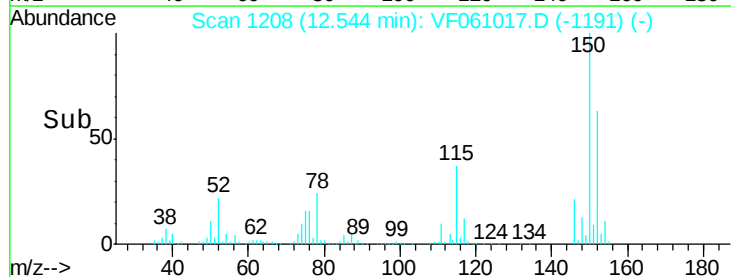
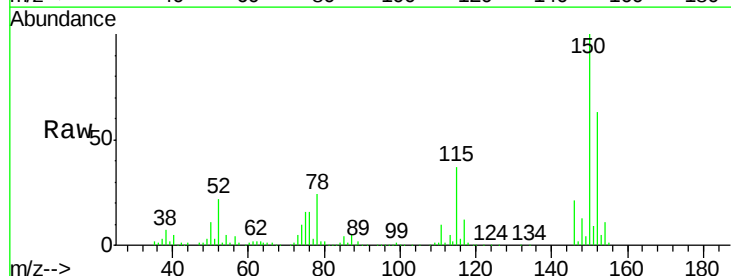
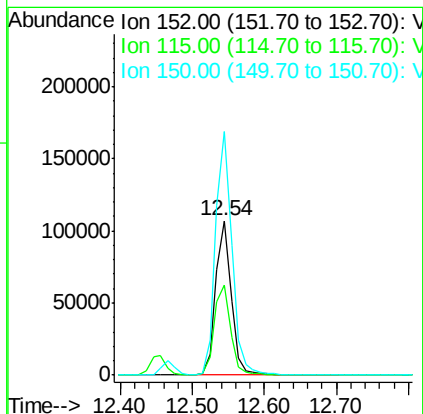
RT: 12.54 min Scan# 1208

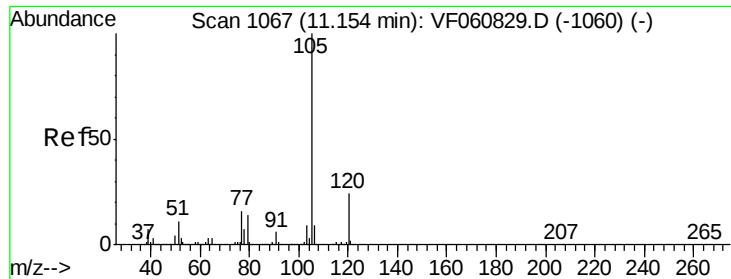
Delta R.T. -0.03 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion:152 Resp: 158700
 Ion Ratio Lower Upper
 152 100
 115 58.4 30.1 90.5
 150 157.9 0.0 327.6





#73

Isopropylbenzene

Concen: 24.078 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 105 Resp: 301971

Ion Ratio Lower Upper

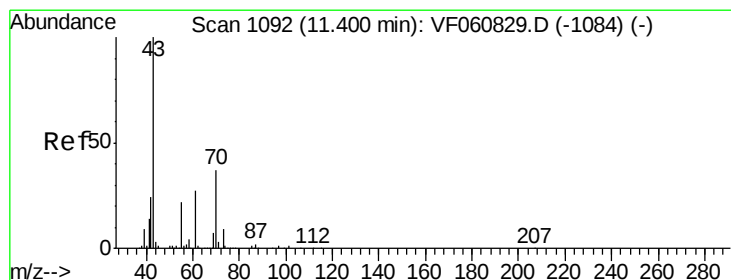
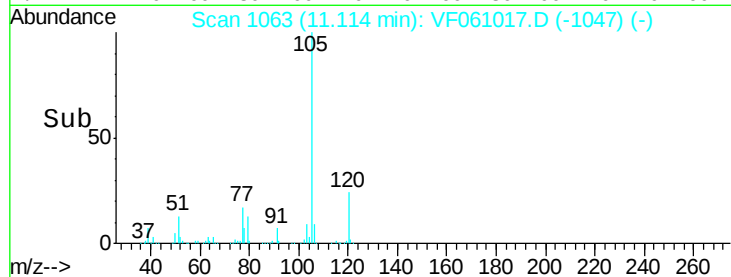
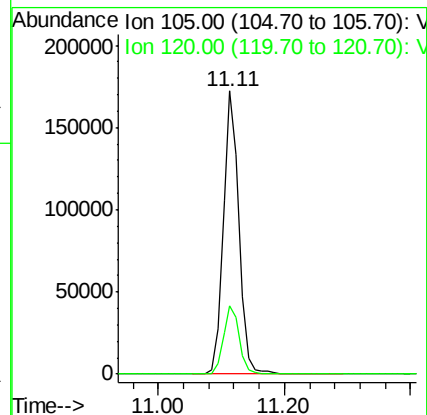
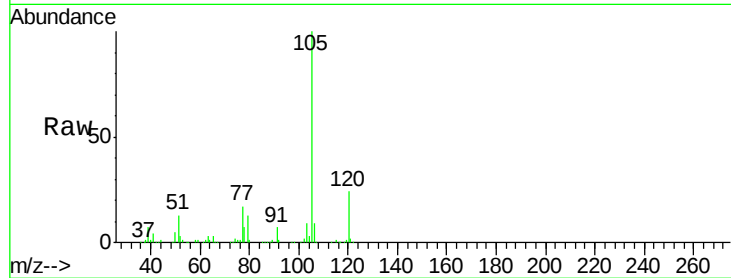
105 100

120 24.2 12.2 36.4

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#74

N-ethyl acetate

Concen: 25.402 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 73564

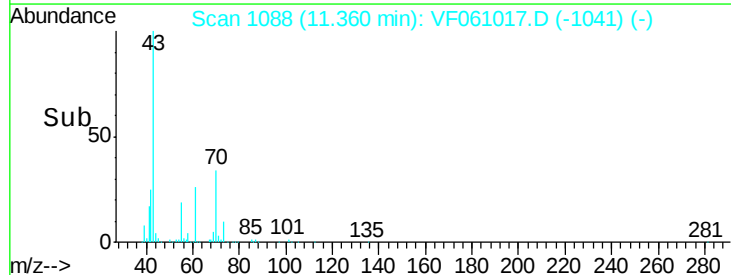
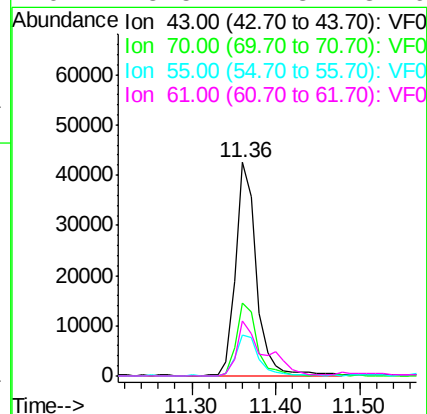
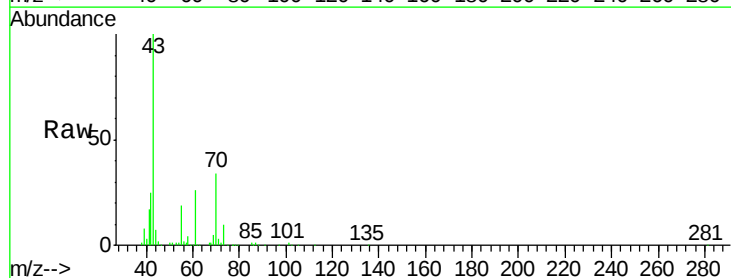
Ion Ratio Lower Upper

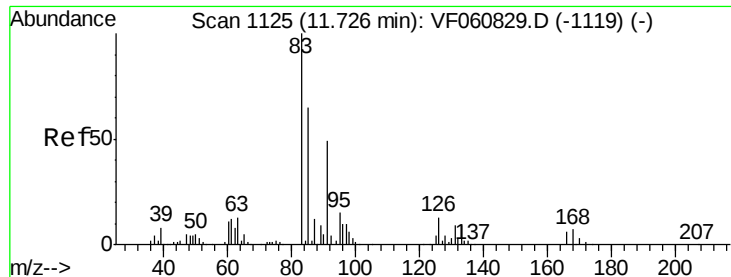
43 100

70 34.4 29.6 44.4

55 19.5 17.2 25.8

61 25.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 25.426 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 83 Resp: 52480

Ion Ratio Lower Upper

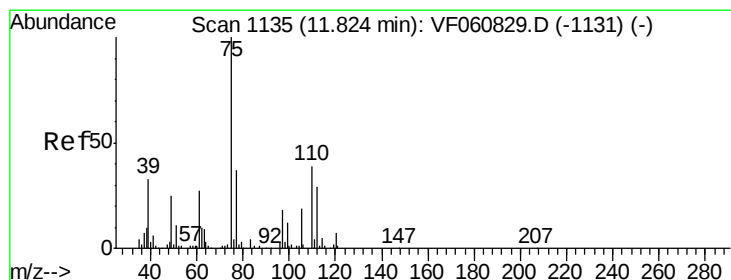
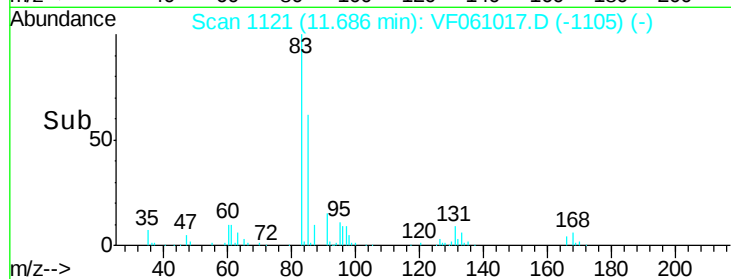
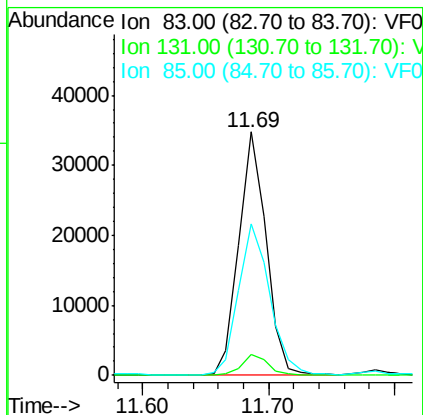
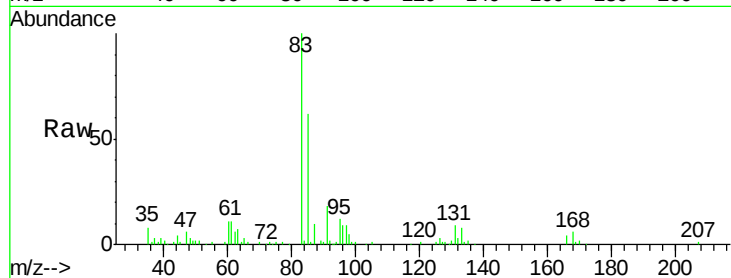
83 100

131 8.5 4.7 14.1

85 62.0 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 25.247 ug/l m

RT: 11.78 min Scan# 1131

Delta R.T. -0.04 min

Lab File: VF061017.D

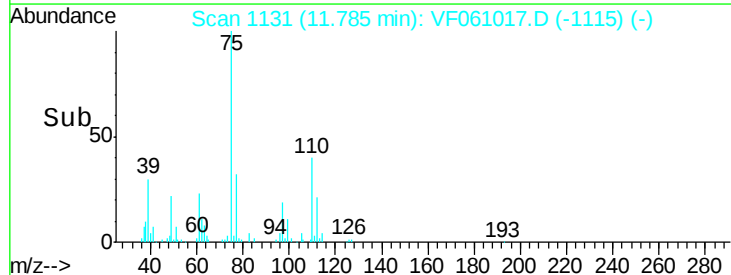
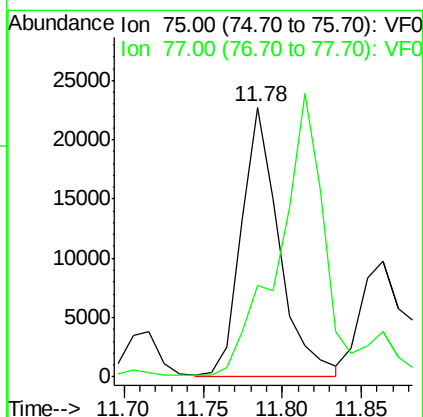
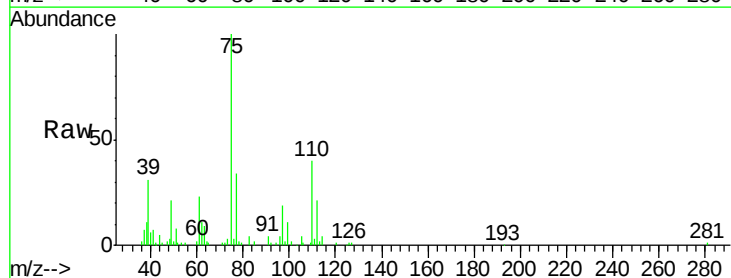
Acq: 14 Dec 2018 13:49

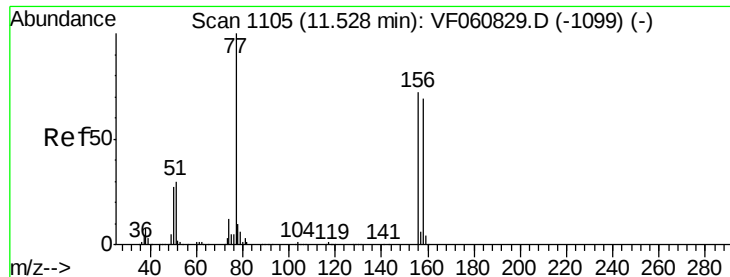
Tgt Ion: 75 Resp: 37877

Ion Ratio Lower Upper

75 100

77 33.9 18.4 55.4





#77

Bromobenzene

Concen: 23.082 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

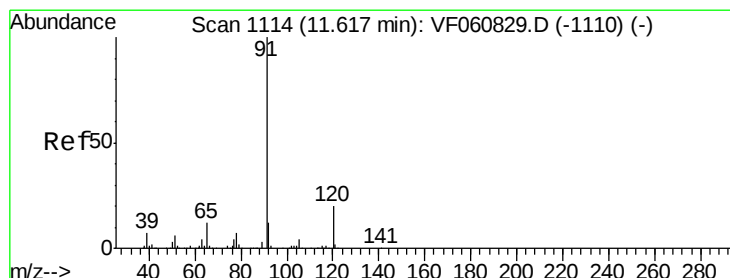
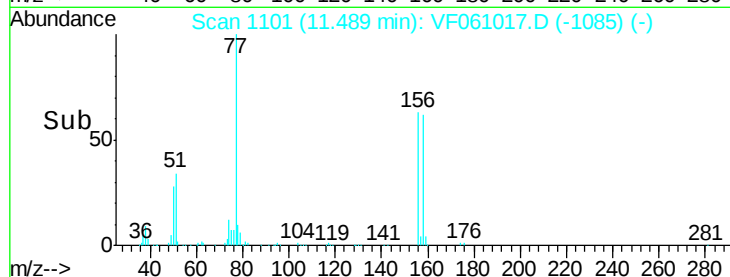
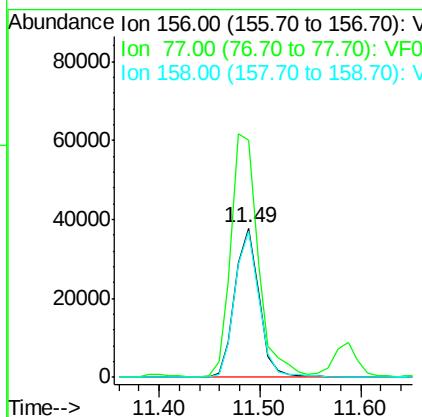
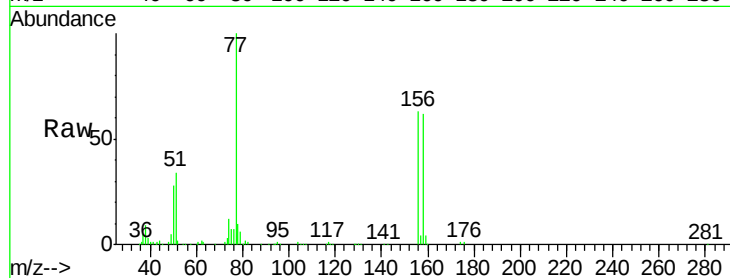
ClientSampleId :

VF1214SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.1	69.7	209.0
158	98.4	47.8	143.4

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#78

n-propylbenzene

Concen: 25.091 ug/l

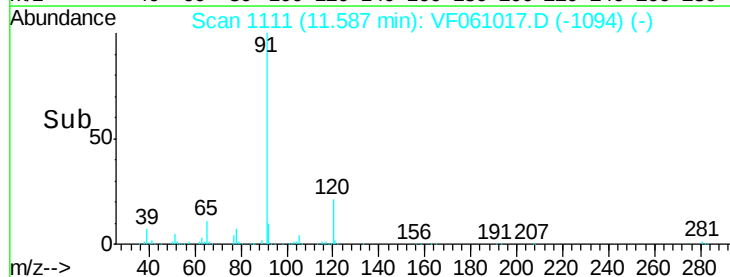
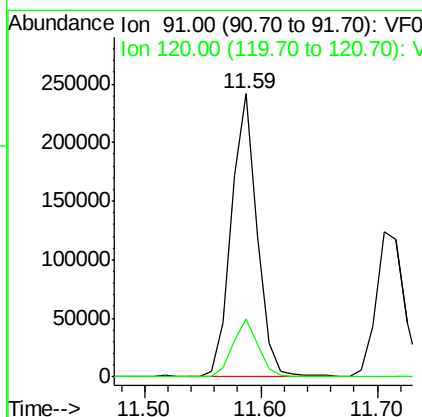
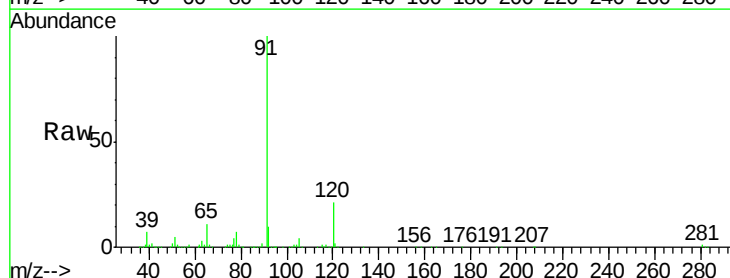
RT: 11.59 min Scan# 1111

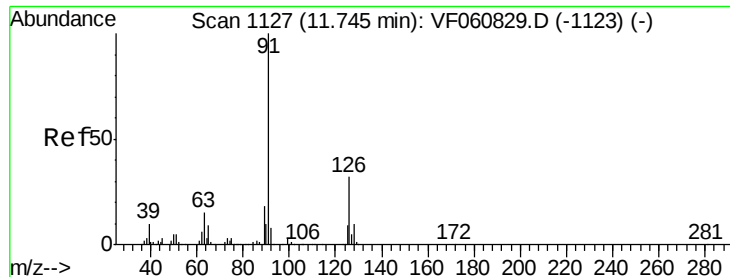
Delta R.T. -0.03 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.3	30.8





#79

2-Chlorotoluene

Concen: 24.244 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF061017.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBS01

Tgt Ion: 91 Resp: 204164

Ion Ratio Lower Upper

91 100

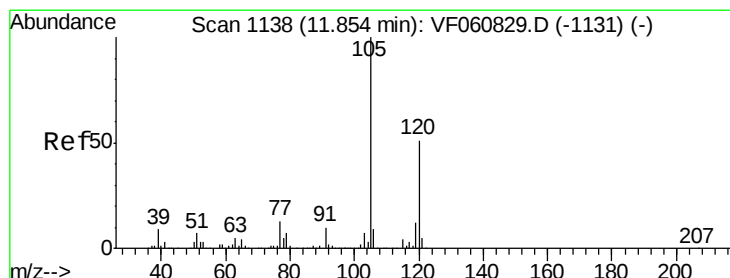
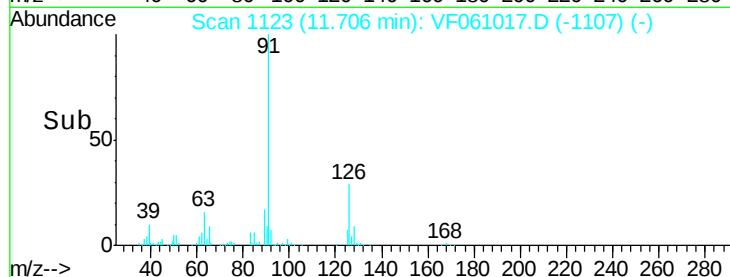
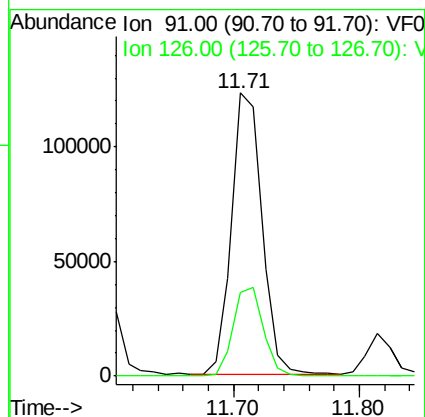
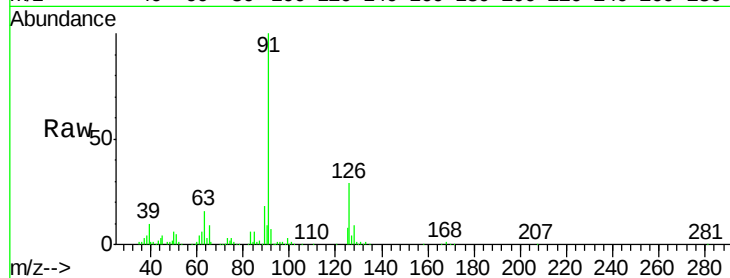
126 29.5 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 24.621 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF061017.D

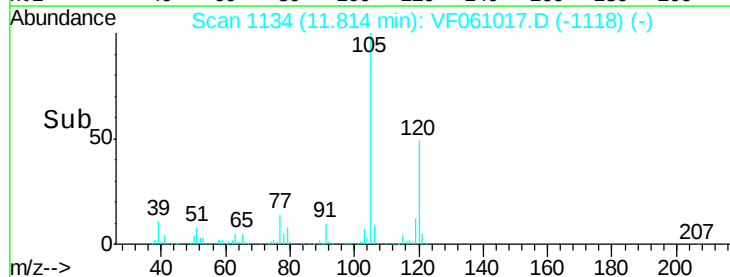
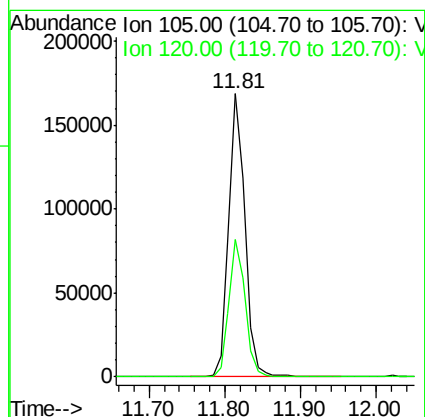
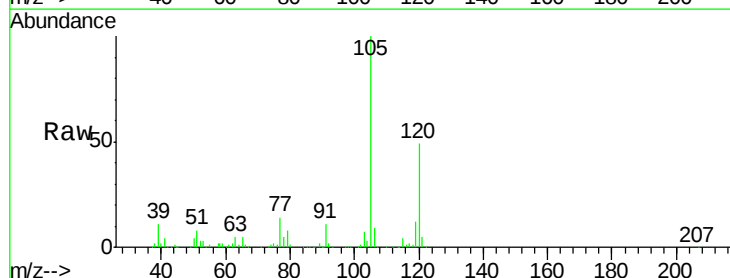
Acq: 14 Dec 2018 13:49

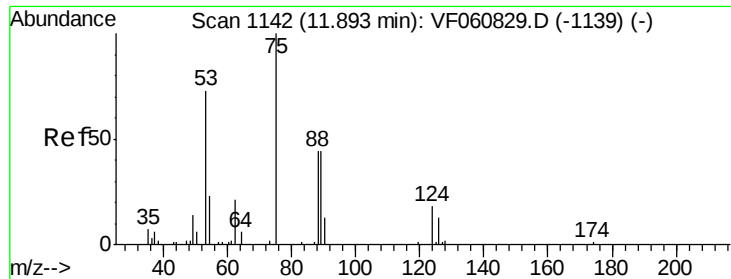
Tgt Ion: 105 Resp: 250672

Ion Ratio Lower Upper

105 100

120 48.7 25.8 77.3





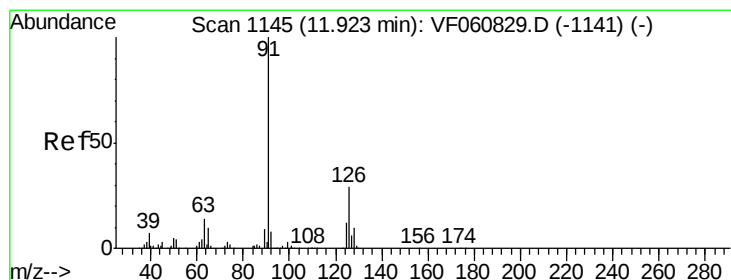
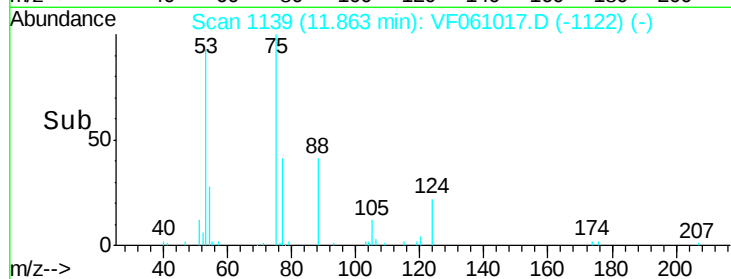
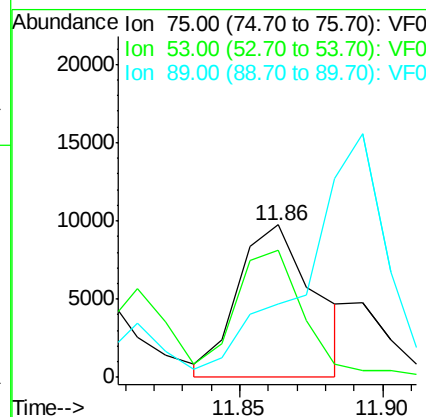
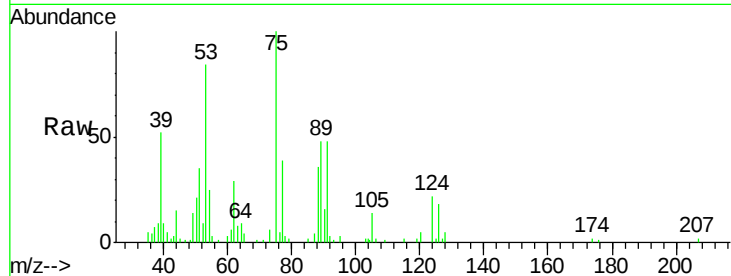
#81
trans-1,4-Dichloro-2-butene
Concen: 24.925 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	83.9	65.9	98.9
89	48.1	38.8	58.2

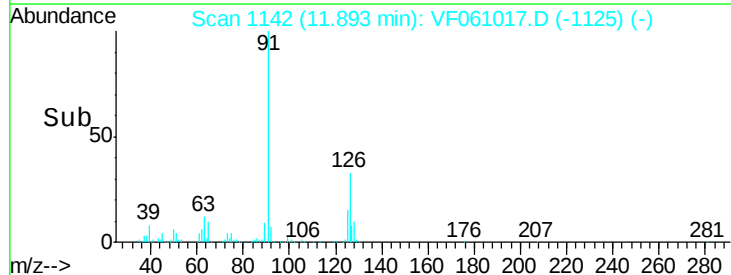
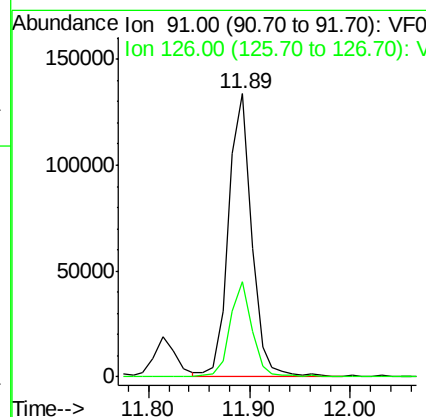
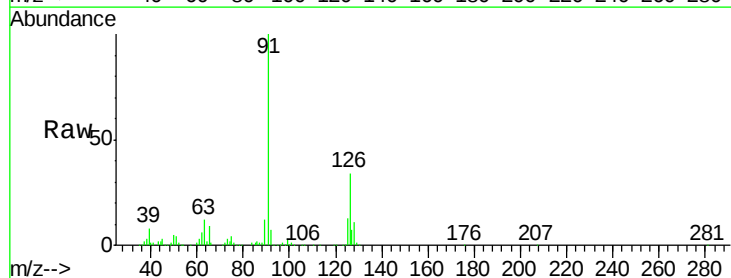
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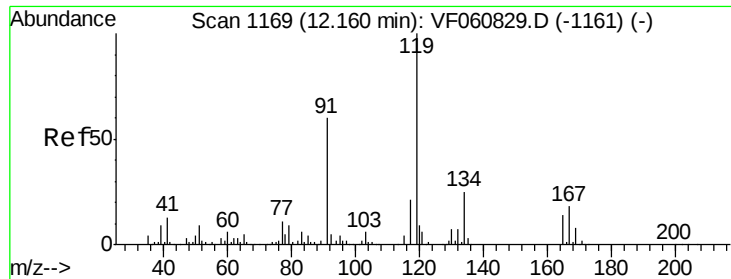
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#82
4-Chlorotoluene
Concen: 23.972 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	14.8	44.4





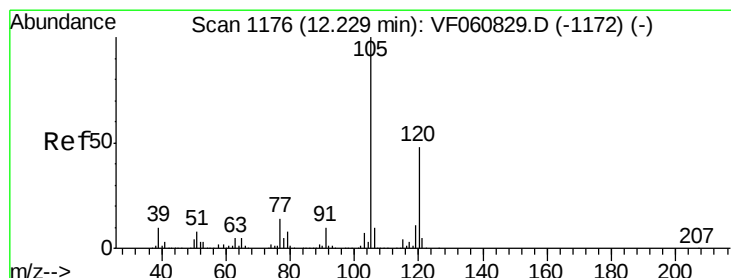
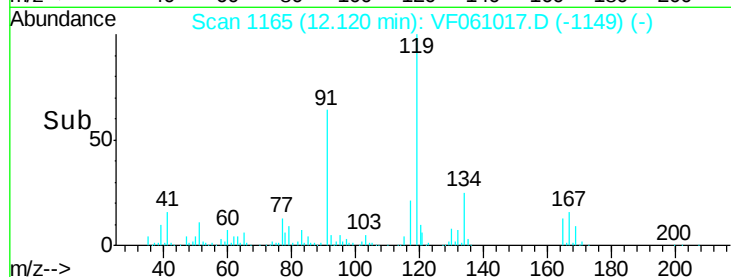
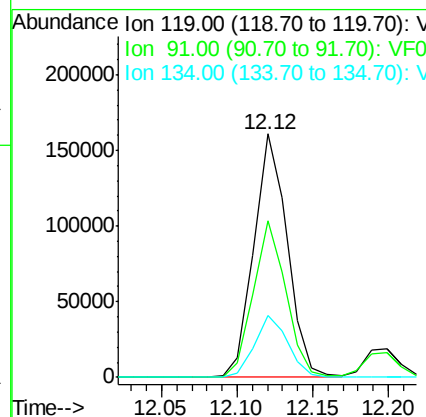
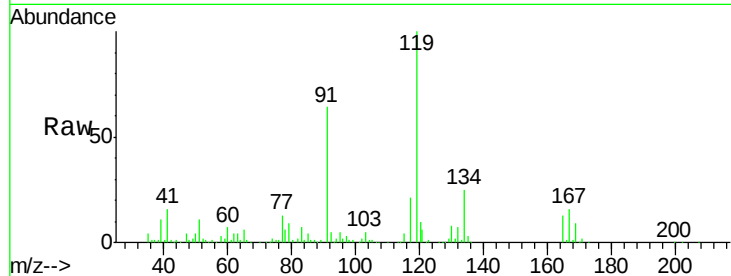
#83
 tert-Butylbenzene
 Concen: 24.086 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	249791		
91	64.5	30.1	90.3	
134	25.2	12.6	37.8	

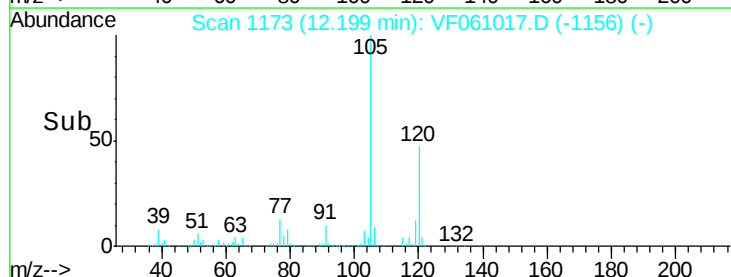
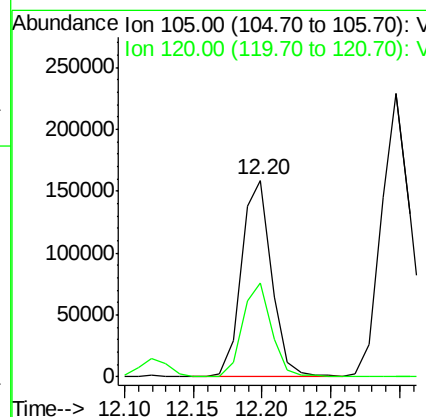
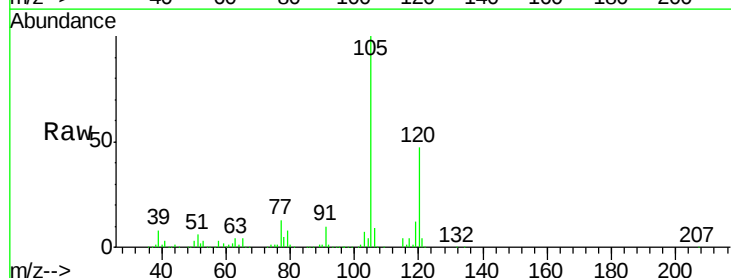
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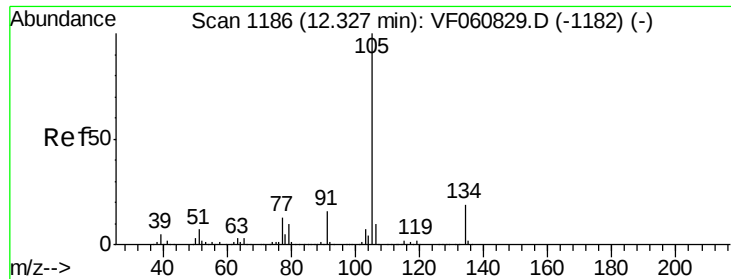
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.914 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242998		
120	47.5	23.8	71.5	





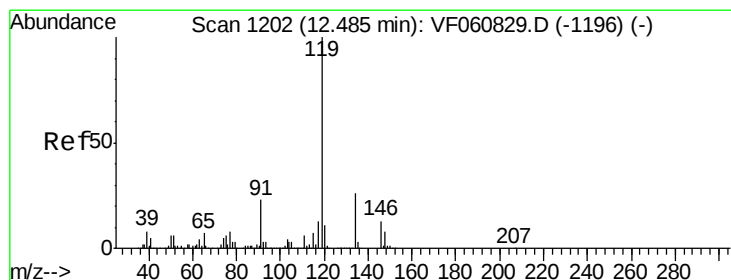
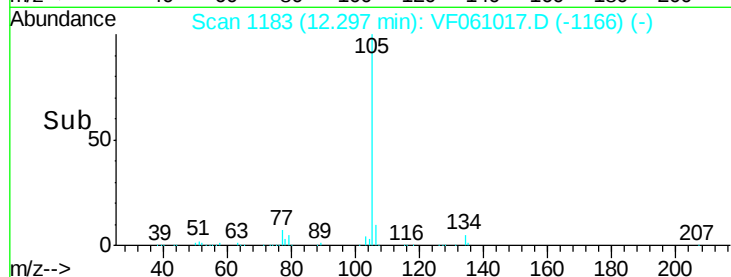
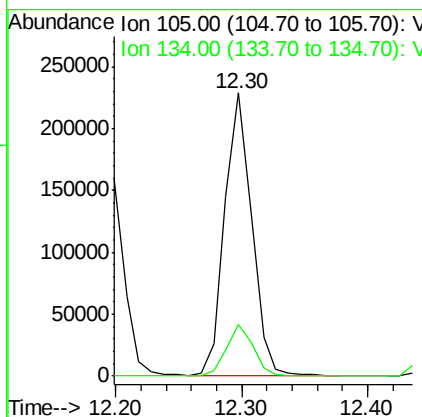
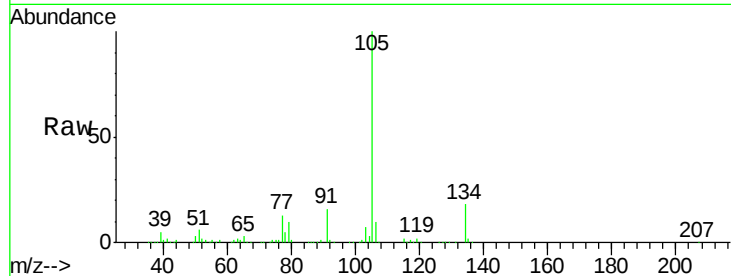
#85
 sec-Butylbenzene
 Concen: 24.011 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340885		
134	18.5	9.5	28.5	

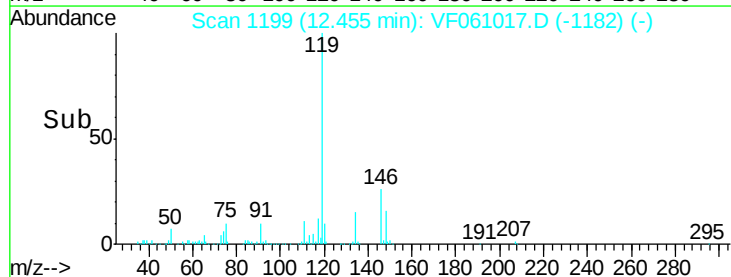
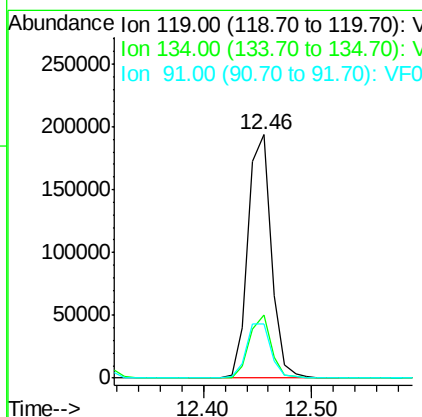
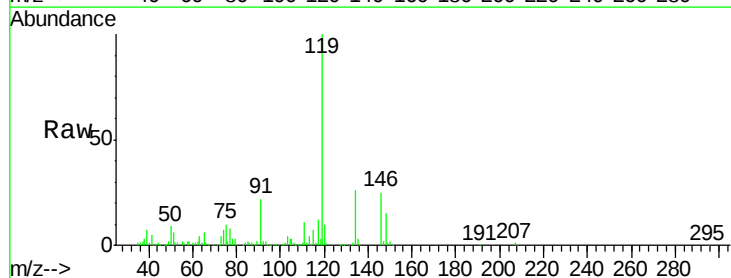
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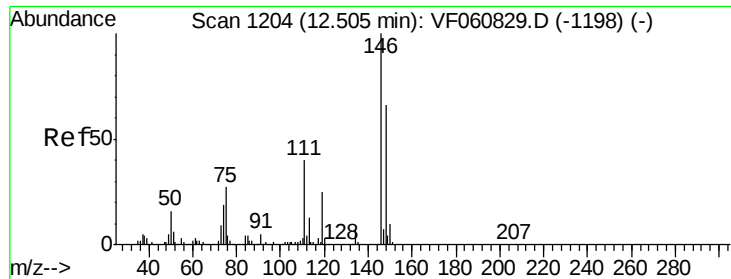
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#86
 p-Isopropyltoluene
 Concen: 24.520 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	291852		
134	26.1	12.9	38.6	
91	22.4	11.8	35.3	





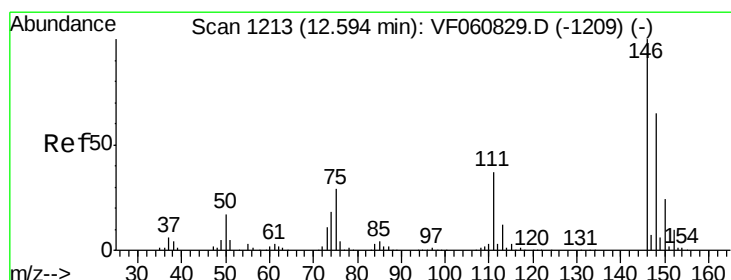
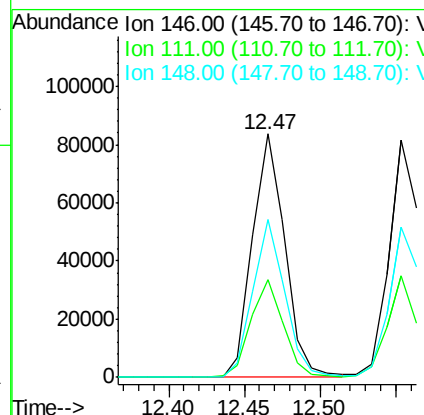
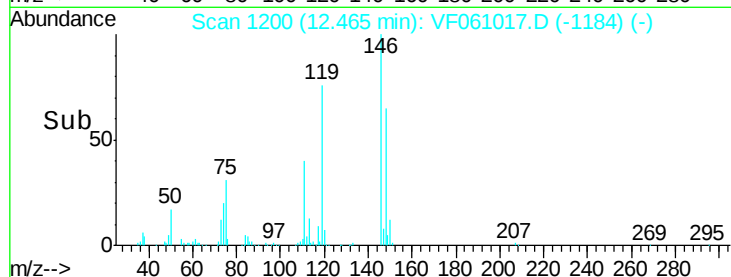
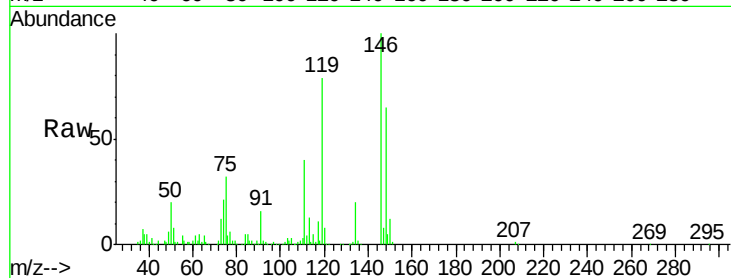
#87
 1,3-Dichlorobenzene
 Concen: 24.088 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	65.0	32.9	98.6

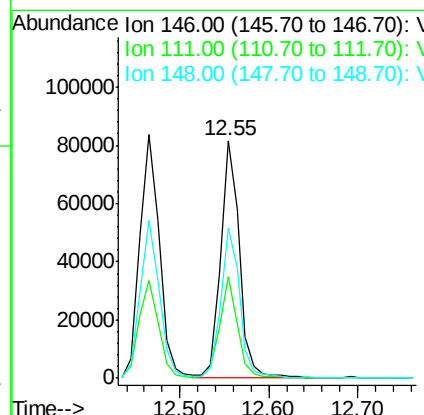
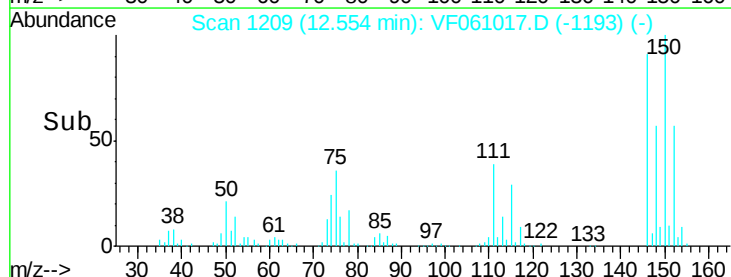
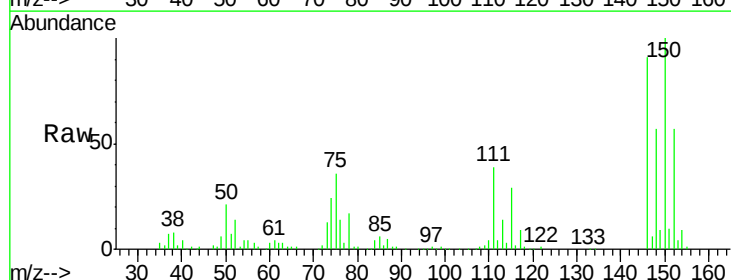
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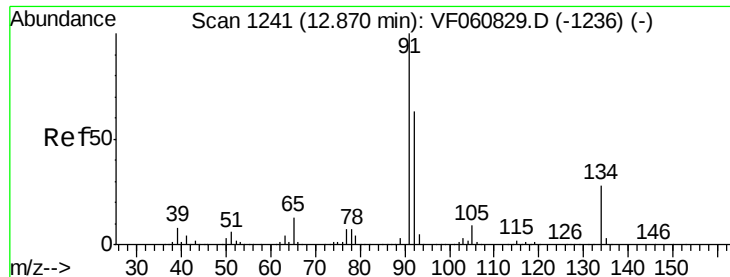
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#88
 1,4-Dichlorobenzene
 Concen: 23.604 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	18.9	56.7
148	63.0	32.3	96.9





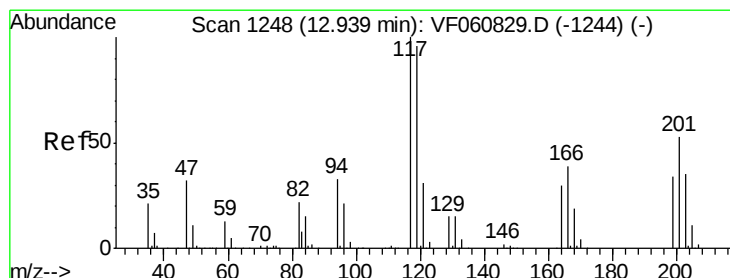
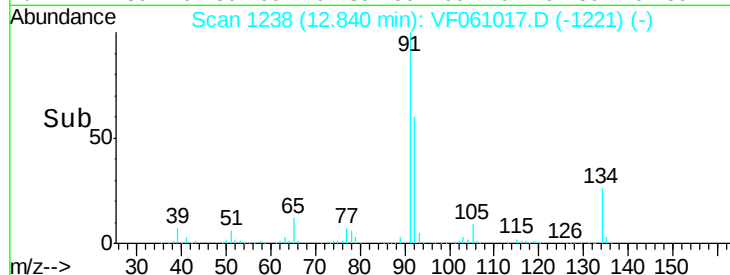
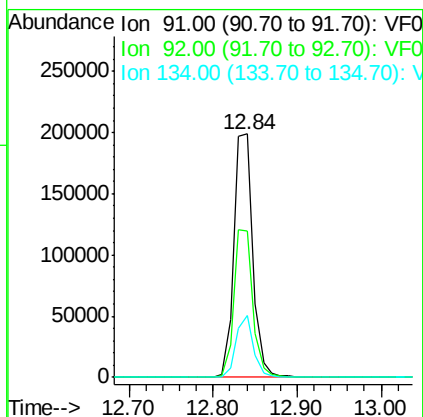
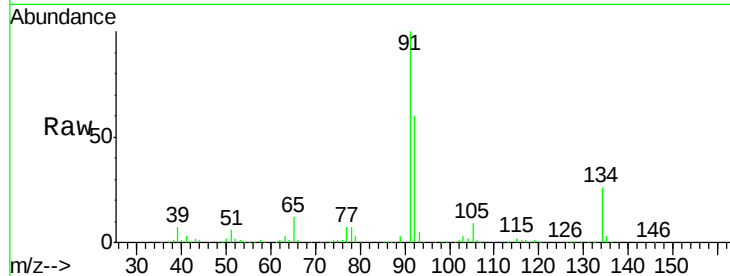
#89
n-Butylbenzene
Concen: 25.837 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion: 91 Resp: 310972
Ion Ratio Lower Upper
91 100
92 59.9 31.6 94.7
134 25.7 13.8 41.4

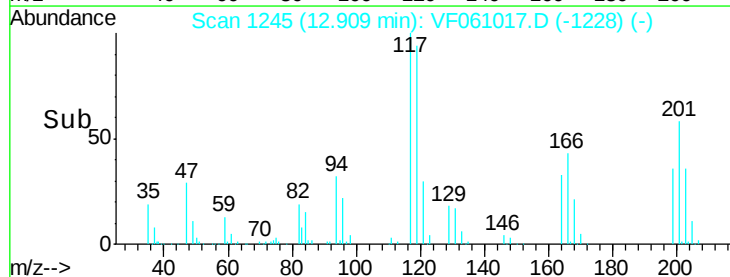
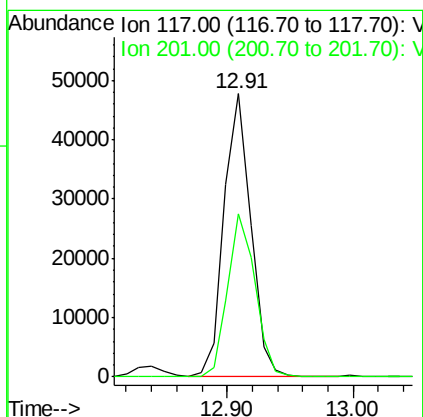
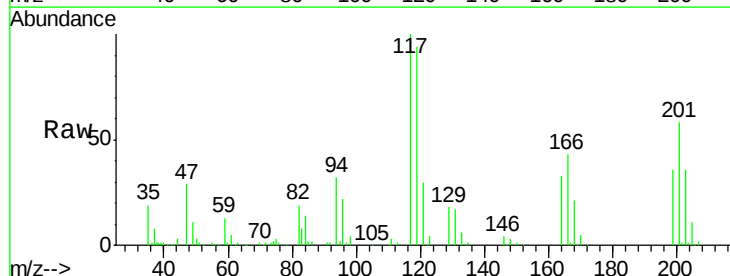
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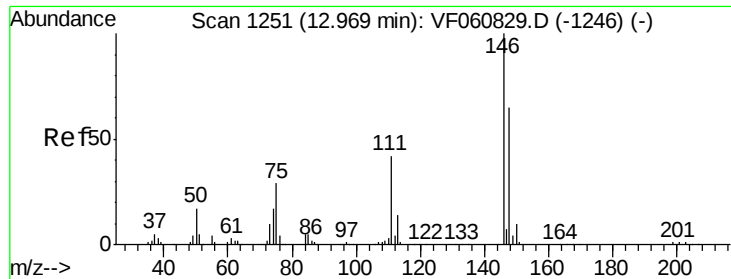
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#90
Hexachloroethane
Concen: 24.634 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 117 Resp: 70606
Ion Ratio Lower Upper
117 100
201 57.7 26.7 80.1





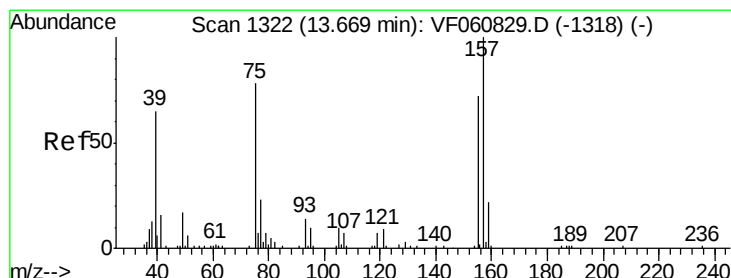
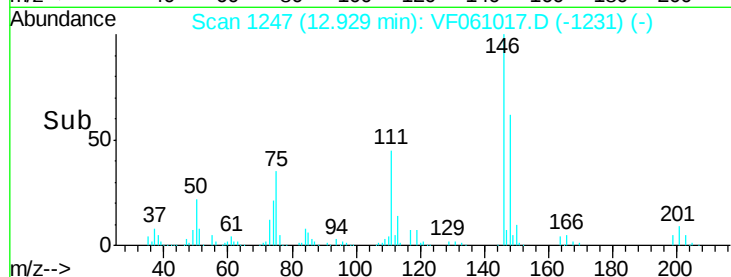
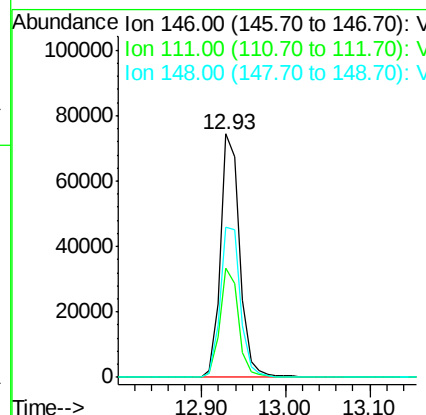
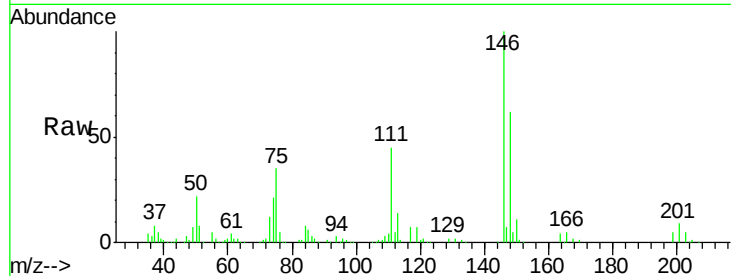
#91
 1,2-Dichlorobenzene
 Concen: 23.914 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118442		
111	44.9	21.2	63.6	
148	61.5	32.5	97.5	

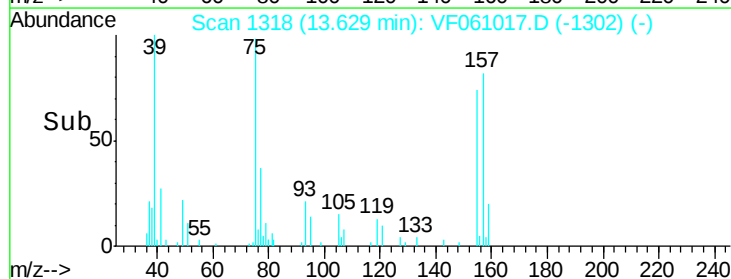
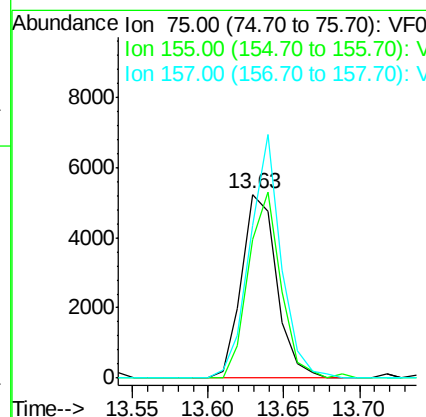
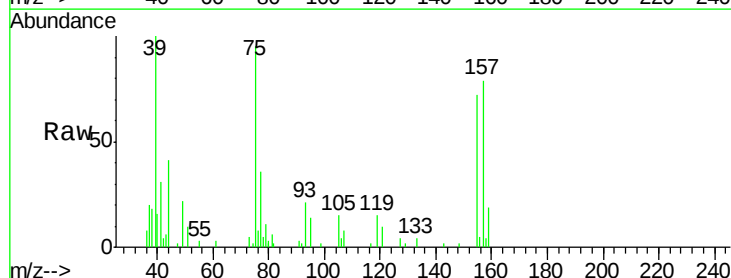
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.243 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.04 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8477		
155	75.1	45.6	136.9	
157	83.5	63.8	191.5	





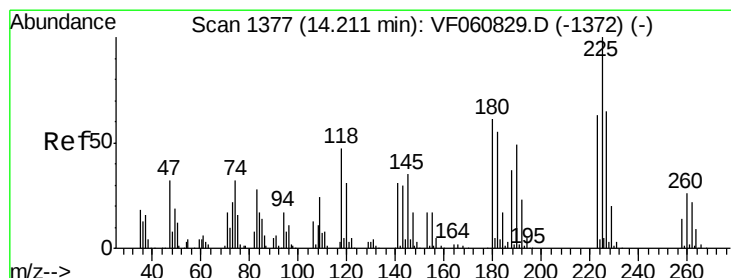
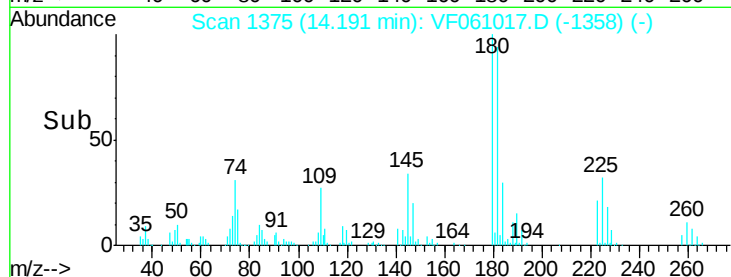
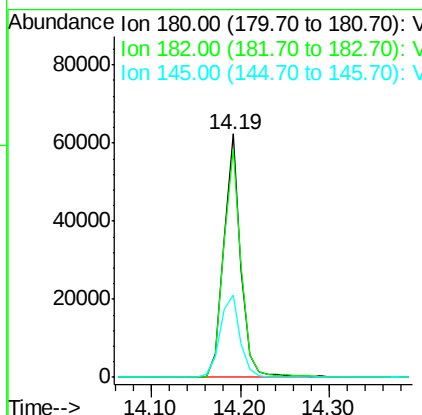
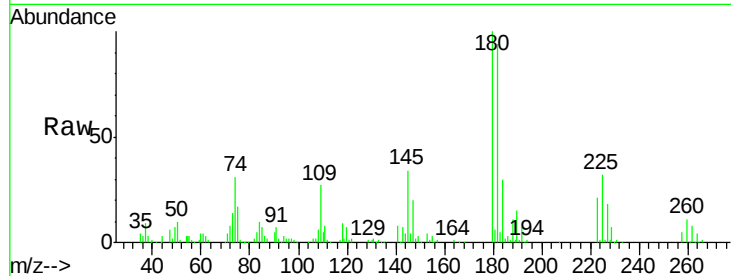
#93
 1,2,4-Trichlorobenzene
 Concen: 24.361 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84306		
182	93.8	48.5	145.5	
145	33.6	18.1	54.3	

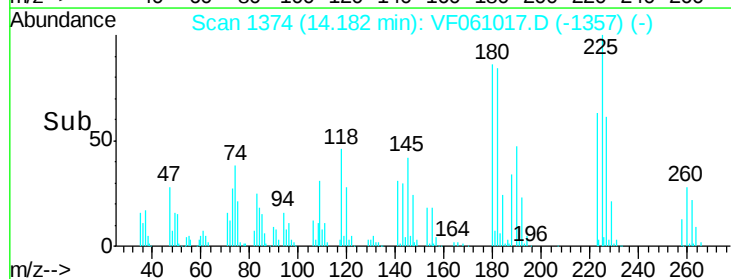
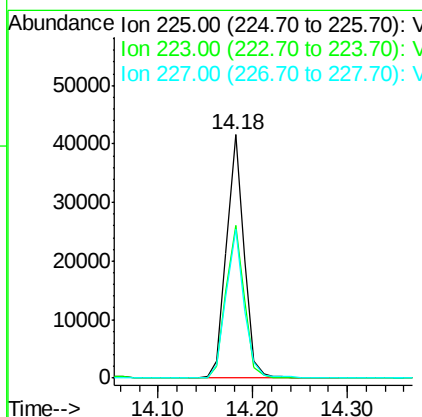
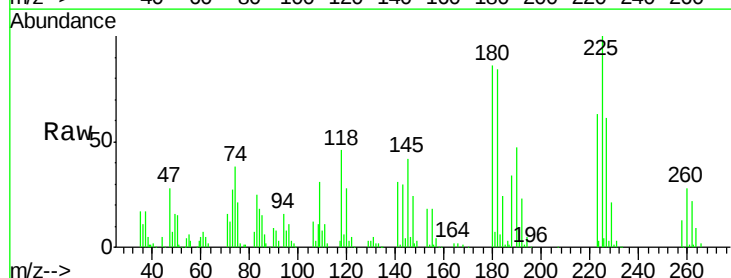
Manual Integrations
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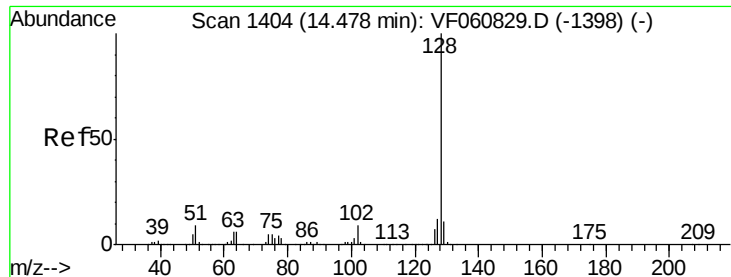
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#94
 Hexachlorobutadiene
 Concen: 23.286 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF061017.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53719		
223	62.6	31.4	94.3	
227	61.0	32.5	97.5	





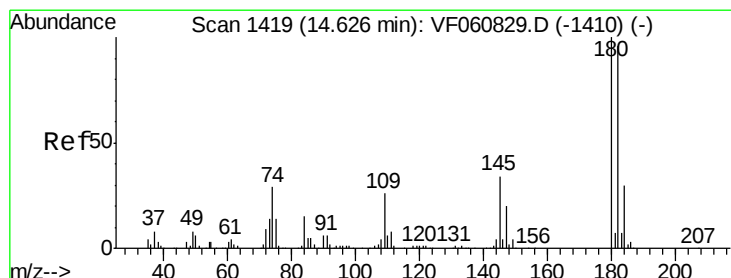
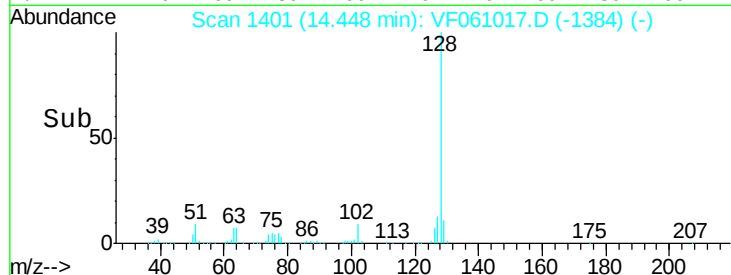
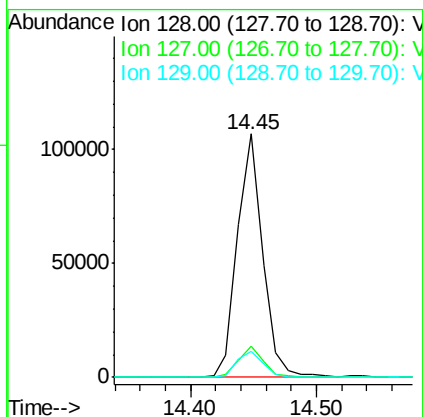
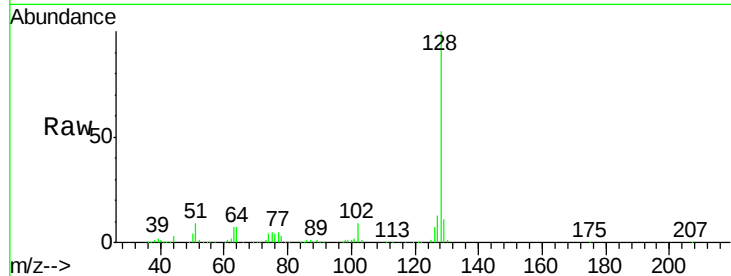
#95
Naphthalene
Concen: 20.079 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	148932		
127	12.7	9.9	14.9	
129	10.7	9.1	13.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.398 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF061017.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75185		
182	94.3	47.9	143.8	
145	35.2	17.2	51.5	

