

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060543.D
 Acq On : 30 Oct 2018 13:57
 Operator : VA/AP
 Sample : VF1030SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:25:01 AM

Quant Time: Oct 31 05:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240759	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	375710	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	335836	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	192014	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	207928	55.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	4.29	113	198301	55.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	7.71	98	471648	53.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	11.51	95	209853	51.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	124540	28.50	ug/l	99
3) Chloromethane	1.13	50	66379	25.24	ug/l	93
4) Vinyl Chloride	1.18	62	71348	24.72	ug/l #	83
5) Bromomethane	1.36	94	63222	27.87	ug/l	97
6) Chloroethane	1.42	64	42457	28.25	ug/l #	84
7) Trichlorofluoromethane	1.54	101	184037	26.46	ug/l	93
8) Diethyl Ether	1.69	74	19734	22.63	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80504	25.67	ug/l	95
10) Methyl Iodide	1.96	142	135543	25.77	ug/l #	91
11) Tert butyl alcohol	2.69	59	20207	137.57	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	64128	23.70	ug/l	93
13) Acrolein	2.09	56	19035	139.85	ug/l	85
14) Allyl chloride	2.19	41	105928	24.62	ug/l	94
15) Acrylonitrile	3.07	53	39354	105.98	ug/l #	89
16) Acetone	2.33	43	110818	151.36	ug/l #	92
17) Carbon Disulfide	1.88	76	195357	25.69	ug/l #	88
18) Methyl Acetate	2.45	43	24471	23.16	ug/l #	85
19) Methyl tert-butyl Ether	2.53	73	153574	25.33	ug/l	94
20) Methylene Chloride	2.28	84	62040m	24.83	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67987	24.57	ug/l	91
22) Diisopropyl ether	2.93	45	193954	24.82	ug/l	96
23) Vinyl Acetate	3.33	43	345972	119.35	ug/l	99
24) 1,1-Dichloroethane	2.99	63	141175	25.04	ug/l	100
25) 2-Butanone	4.51	43	116649	120.22	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	83032	23.69	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	67413	20.20	ug/l	95
28) Bromochloromethane	3.88	49	40681	20.03	ug/l	93
29) Tetrahydrofuran	4.25	42	36670	110.46	ug/l	93
30) Chloroform	4.03	83	164216	23.06	ug/l	99
31) Cyclohexane	3.87	56	84420	20.97	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	146895	24.95	ug/l	96
36) 1,1-Dichloropropene	4.45	75	106616	22.78	ug/l	92
37) Ethyl Acetate	4.29	43	39169	25.85	ug/l	98
38) Carbon Tetrachloride	4.17	117	135384m	24.15	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	96888	20.50	ug/l	99
40) Benzene	4.81	78	203978	21.97	ug/l	97
41) Methacrylonitrile	4.92	41	18935	21.86	ug/l	92
42) 1,2-Dichloroethane	5.11	62	108377	25.14	ug/l	91
43) Isopropyl Acetate	7.11	43	45086	24.58	ug/l #	87
44) Trichloroethene	5.67	130	68478	22.82	ug/l	94
45) 1,2-Dichloropropane	6.40	63	51694	22.31	ug/l	91
46) Dibromomethane	6.25	93	40421	22.22	ug/l	91
47) Bromodichloromethane	6.54	83	119479	25.59	ug/l	98
48) Methyl methacrylate	6.87	41	29482	23.30	ug/l	97
49) 1,4-Dioxane	6.86	88	4637	393.97	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	158180	119.05	ug/l	93
52) Toluene	7.78	92	132289	21.95	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	90158	24.72	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	97327	22.52	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	40027	22.16	ug/l	89
56) Ethyl methacrylate	8.76	69	46569	22.98	ug/l	97
57) 1,3-Dichloropropane	9.00	76	66530	21.77	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	26277	125.82	ug/l	100
59) 2-Hexanone	9.63	43	124517	122.50	ug/l	93
60) Dibromochloromethane	8.86	129	64651	22.22	ug/l	100
61) 1,2-Dibromoethane	9.14	107	41875	20.03	ug/l	82
64) Tetrachloroethene	8.31	164	62234	21.92	ug/l	97
65) Chlorobenzene	9.94	112	146830	21.73	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	68845	22.36	ug/l	97
67) Ethyl Benzene	10.03	91	294261	22.79	ug/l	97
68) m/p-Xylenes	10.27	106	189951	43.08	ug/l	93
69) o-Xylene	10.83	106	105481	21.24	ug/l	89
70) Styrene	10.90	104	154965	22.14	ug/l	96
71) Bromoform	10.89	173	35038	22.06	ug/l #	91
73) Isopropylbenzene	11.23	105	318631	21.71	ug/l	95
74) N-amyl acetate	11.46	43	72376	24.62	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	49093	20.04	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	41535	22.54	ug/l	100
77) Bromobenzene	11.59	156	71731	22.21	ug/l	97
78) n-propylbenzene	11.69	91	404551	23.24	ug/l	95
79) 2-Chlorotoluene	11.82	91	227081	21.79	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	286816	22.61	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	17418m	21.64	ug/l	
82) 4-Chlorotoluene	11.98	91	248771	23.03	ug/l	99
83) tert-Butylbenzene	12.21	119	290373	23.63	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	287251	22.30	ug/l	97
85) sec-Butylbenzene	12.39	105	371781	21.58	ug/l	98
86) p-Isopropyltoluene	12.54	119	317050	22.43	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	142022	22.03	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	139797	22.98	ug/l	92
89) n-Butylbenzene	12.92	91	329614	21.37	ug/l	96
90) Hexachloroethane	12.99	117	78439	21.50	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	133632	22.00	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9430	18.57	ug/l	92

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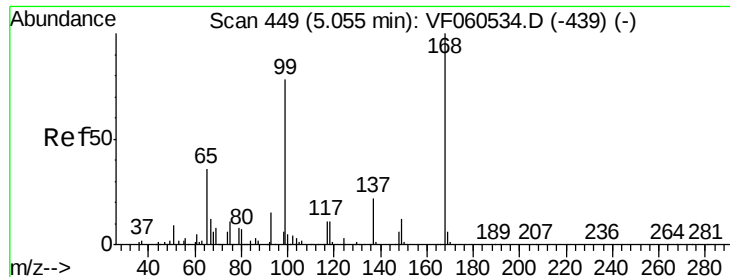
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	108053	23.75	ug/l	96
94) Hexachlorobutadiene	14.25	225	73342	22.77	ug/l	93
95) Naphthalene	14.52	128	175468	21.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	96889	22.38	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 448

Delta R.T. -0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 168 Resp: 240759

Ion Ratio Lower Upper

168 100

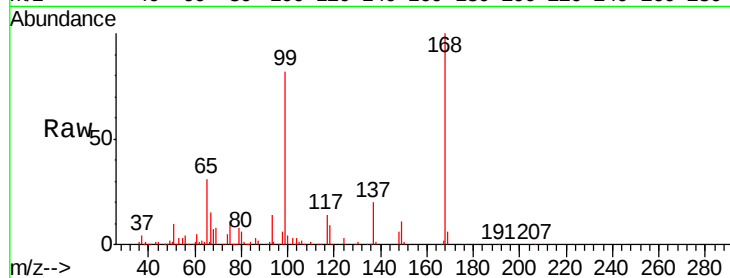
99 81.7 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

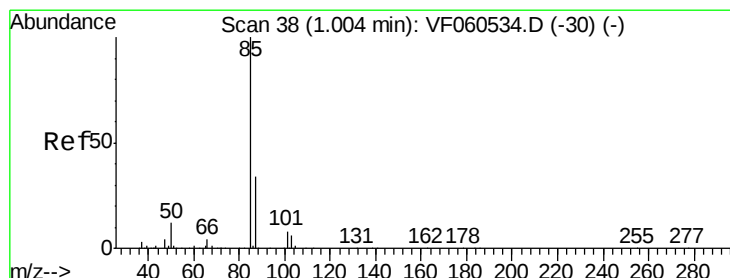
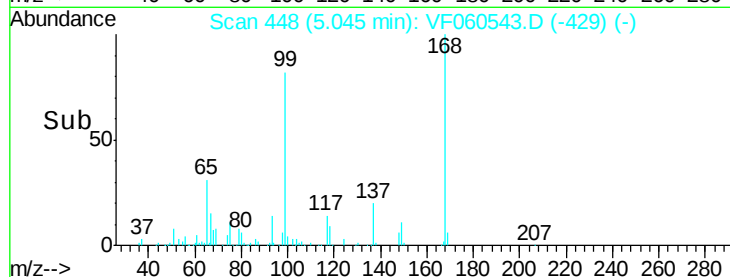
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 28.50 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060543.D

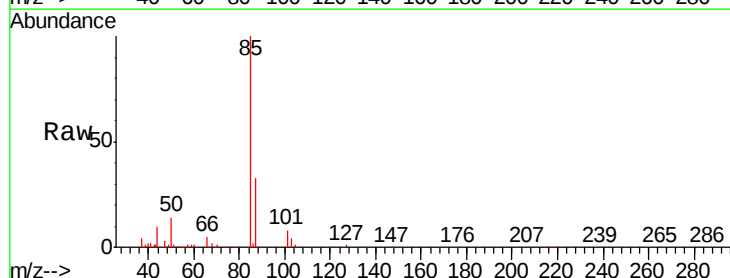
Acq: 30 Oct 2018 13:57

Tgt Ion: 85 Resp: 124540

Ion Ratio Lower Upper

85 100

87 33.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

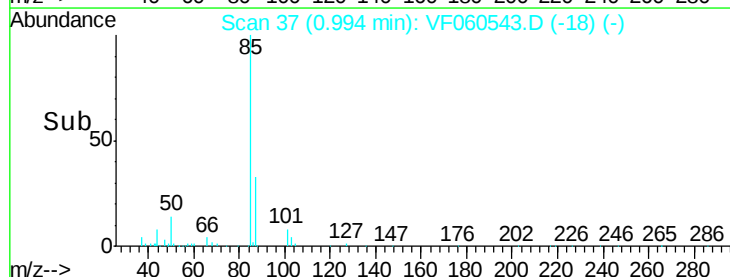
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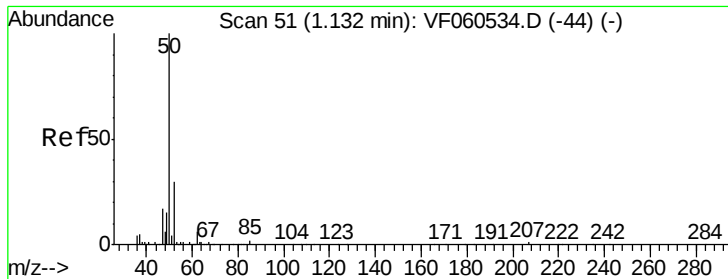
20000

10000

0

Time-->





#3

Chloromethane

Concen: 25.24 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 50 Resp: 66379

Ion Ratio Lower Upper

50 100

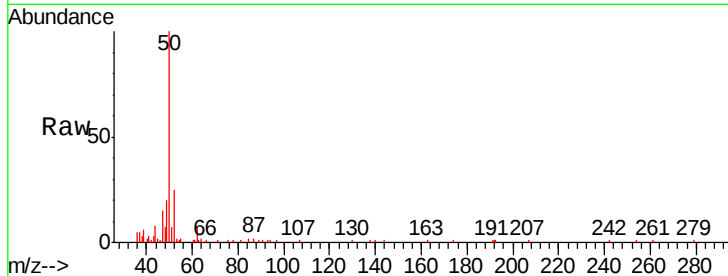
52 24.6 22.8 34.2

Manual Integrations

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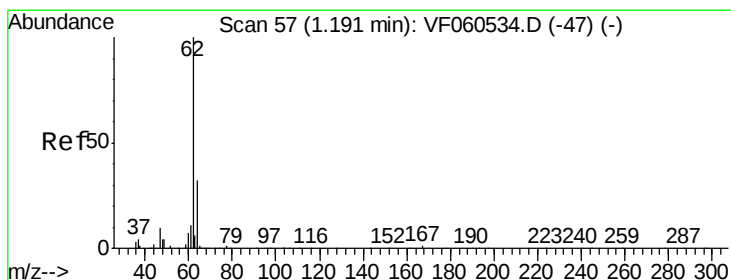
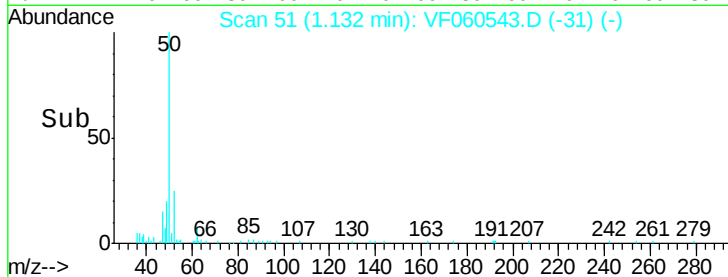
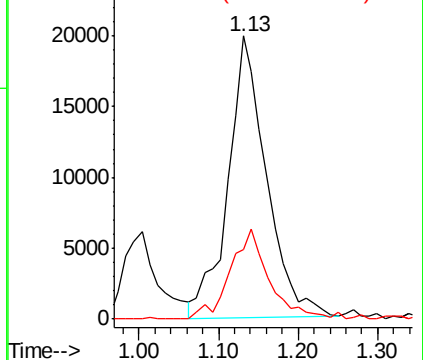
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.72 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060543.D

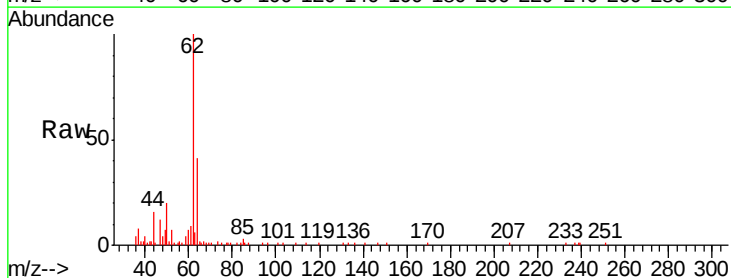
Acq: 30 Oct 2018 13:57

Tgt Ion: 62 Resp: 71348

Ion Ratio Lower Upper

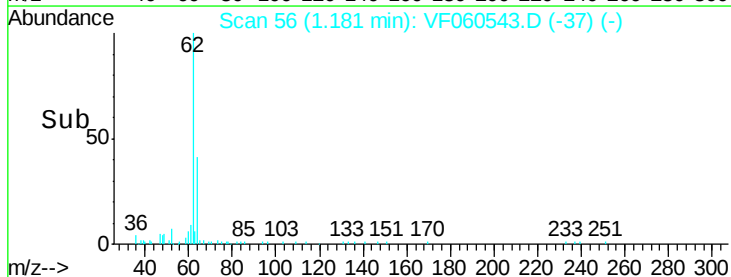
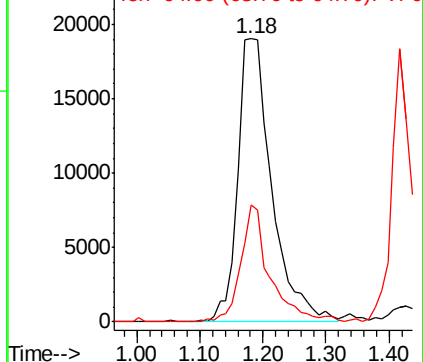
62 100

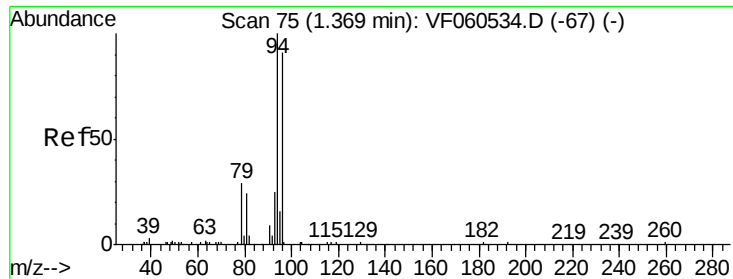
64 41.2 25.3 37.9#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 27.87 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

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VF1030SBSD01

Tgt Ion: 94 Resp: 63222

Ion Ratio Lower Upper

94 100

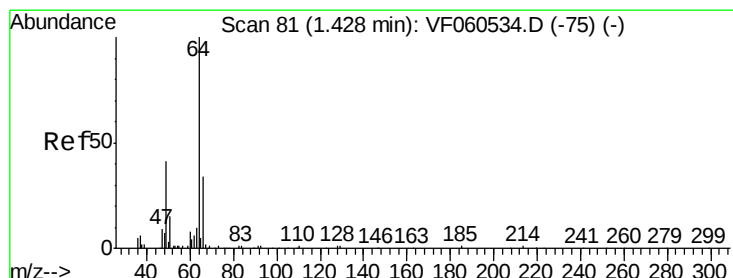
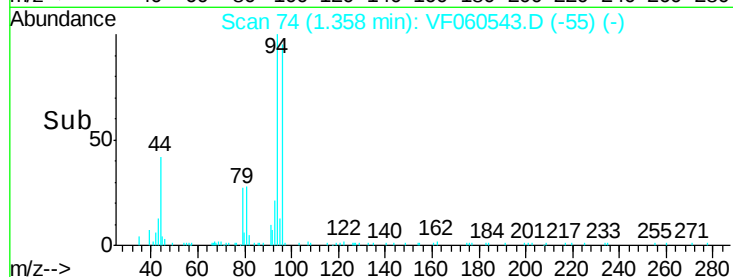
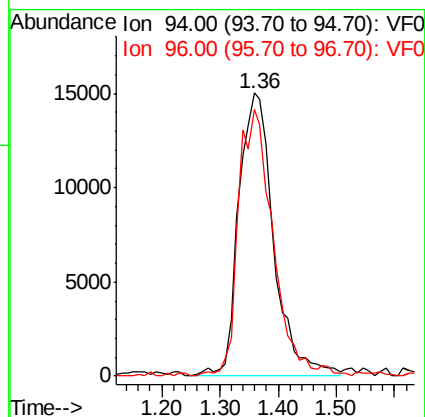
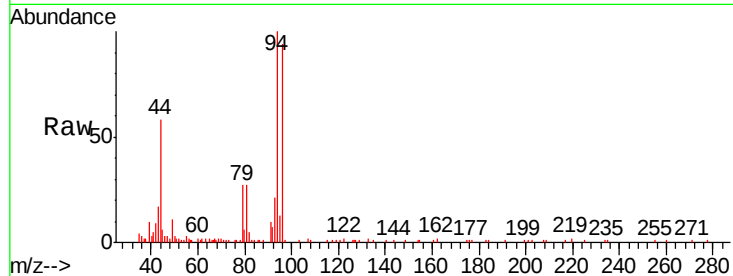
96 94.2 73.2 109.8

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#6

Chloroethane

Concen: 28.25 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

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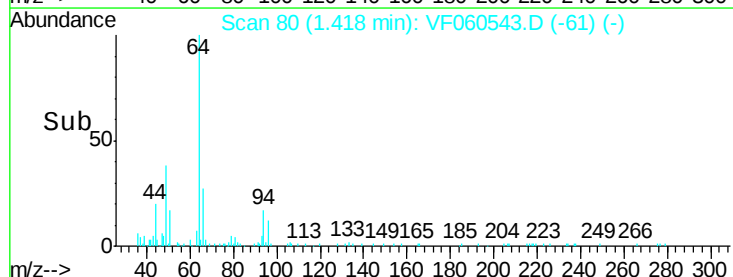
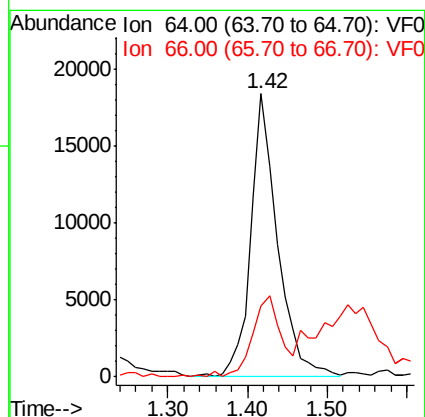
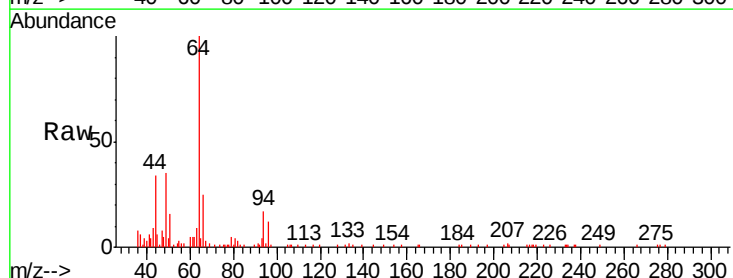
Acq: 30 Oct 2018 13:57

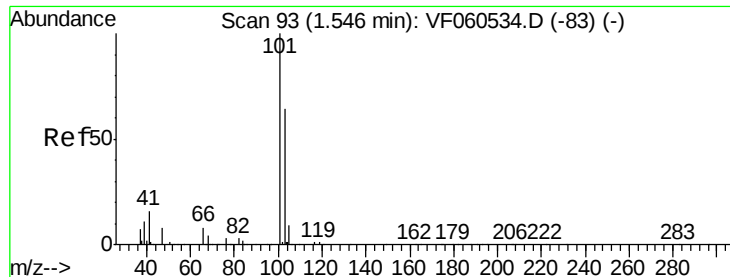
Tgt Ion: 64 Resp: 42457

Ion Ratio Lower Upper

64 100

66 25.0 27.1 40.7#





#7

Trichlorofluoromethane

Concen: 26.46 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

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Tgt Ion:101 Resp: 184037

Ion Ratio Lower Upper

101 100

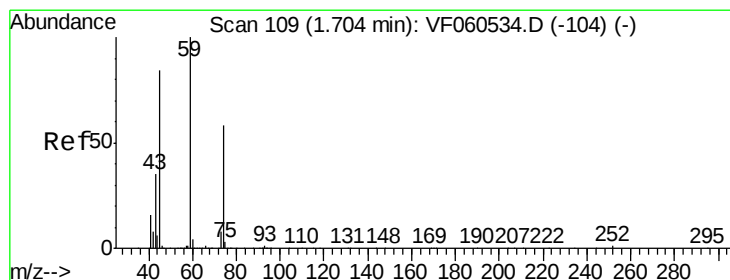
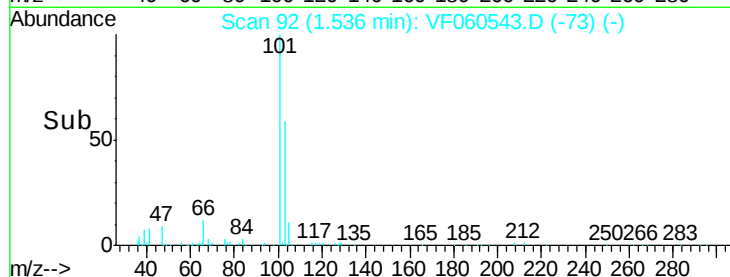
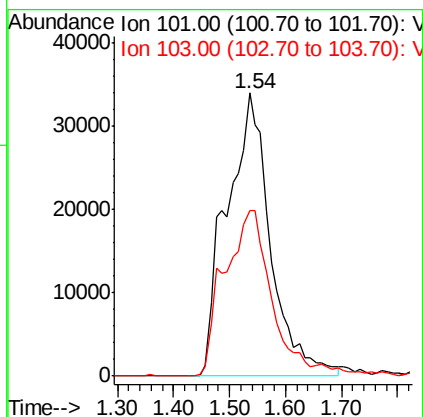
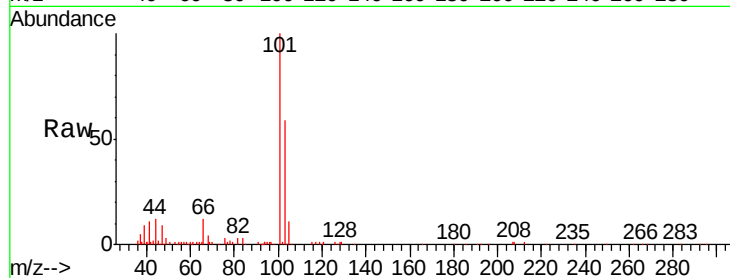
103 58.6 51.6 77.4

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#8

Diethyl Ether

Concen: 22.63 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060543.D

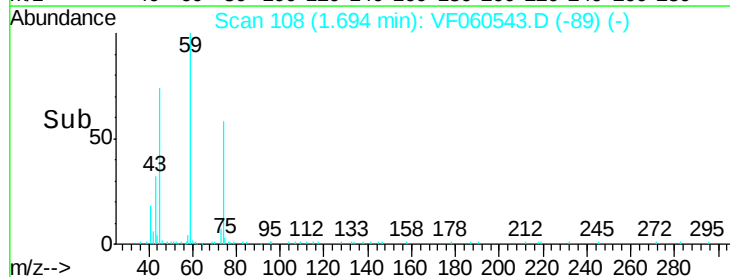
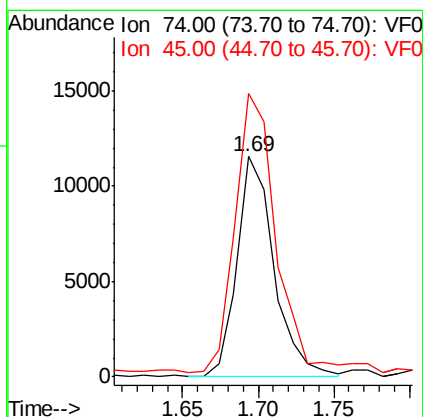
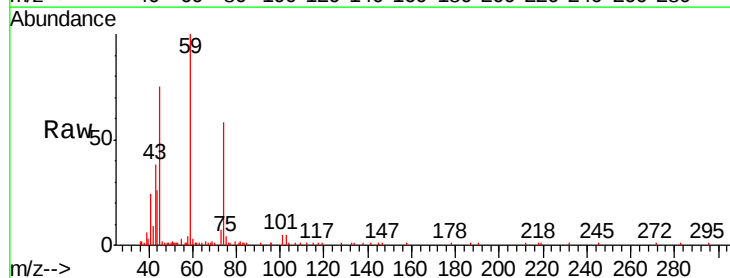
Acq: 30 Oct 2018 13:57

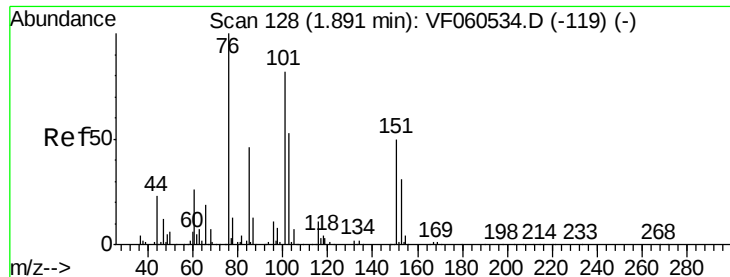
Tgt Ion: 74 Resp: 19734

Ion Ratio Lower Upper

74 100

45 128.5 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.67 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

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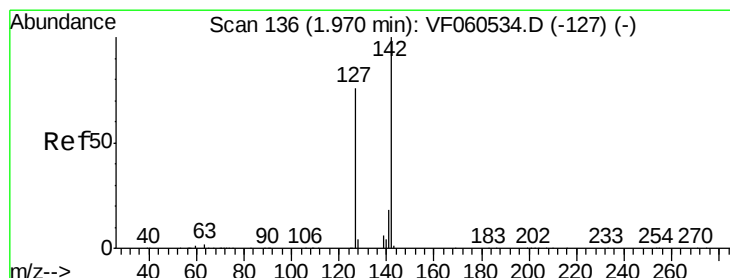
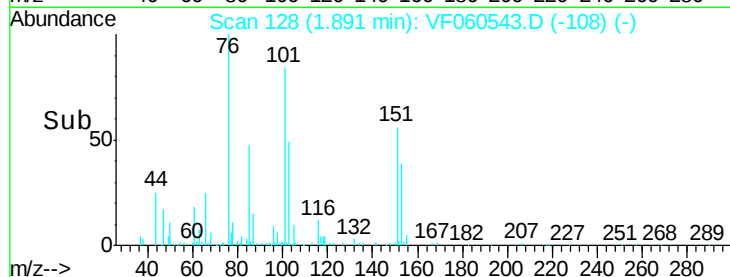
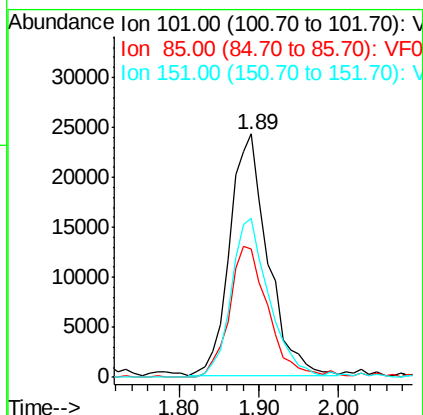
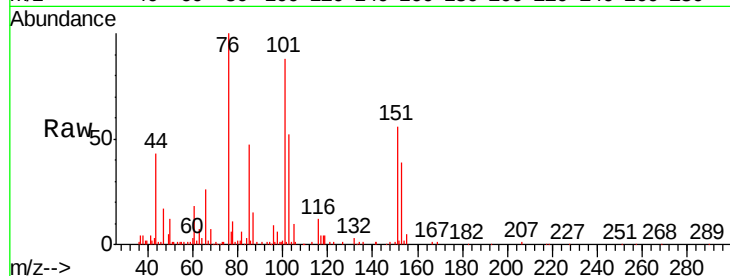
ClientSampleId :

VF1030SBS01

Tgt Ion:	101	Resp:	80504
Ion Ratio	Lower	Upper	
101	100		
85	53.0	44.6	67.0
151	65.4	48.4	72.6

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#10

Methyl Iodide

Concen: 25.77 ug/l

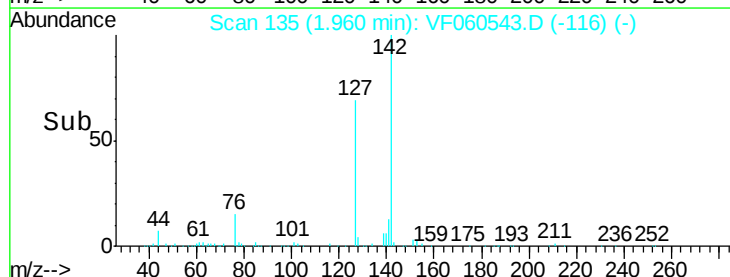
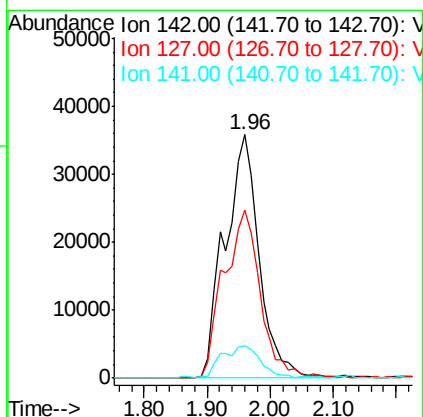
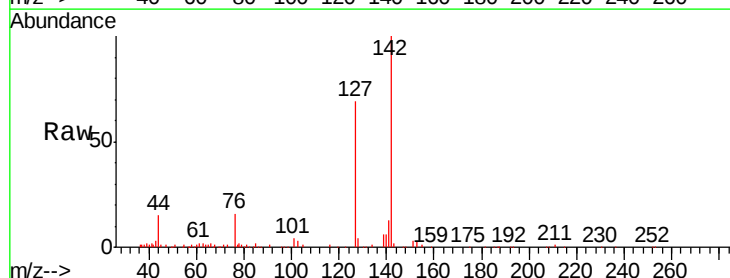
RT: 1.96 min Scan# 135

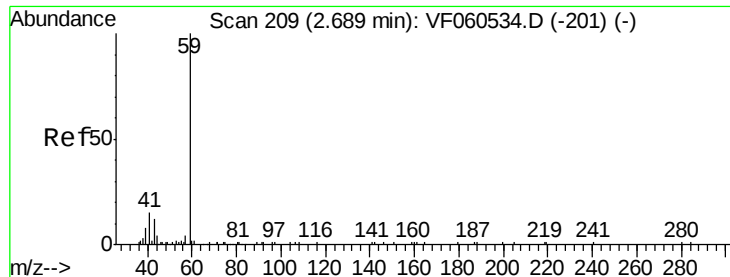
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	142	Resp:	135543
Ion Ratio	Lower	Upper	
142	100		
127	69.0	61.2	91.8
141	13.3	14.0	21.0#





#11

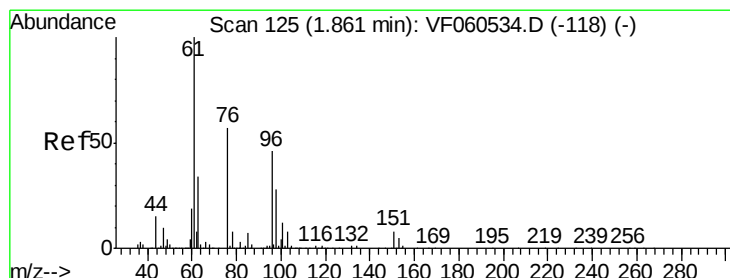
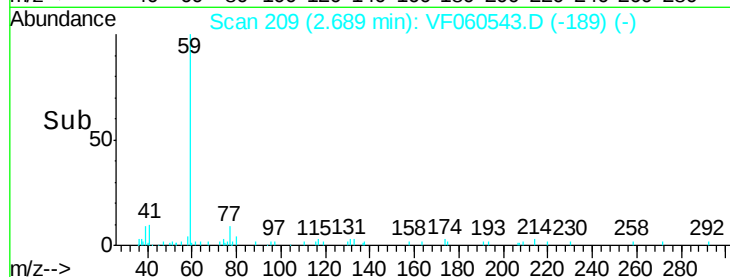
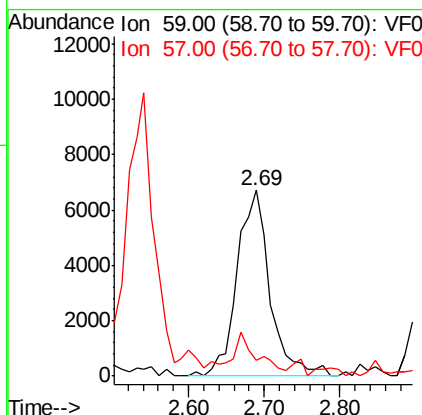
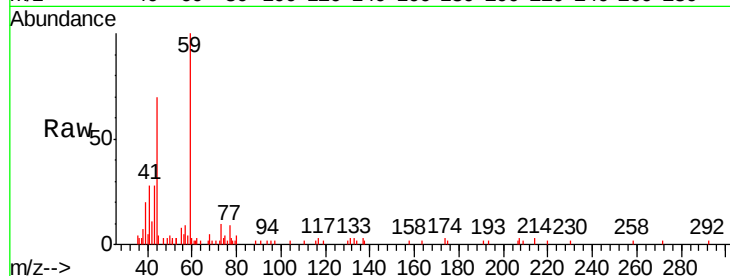
Tert butyl alcohol
Concen: 137.57 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.00 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.9	13.3#

Manual Integrations
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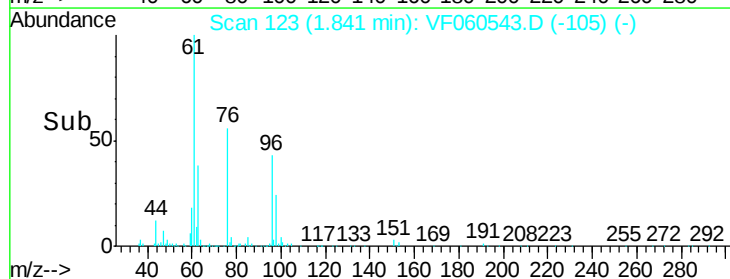
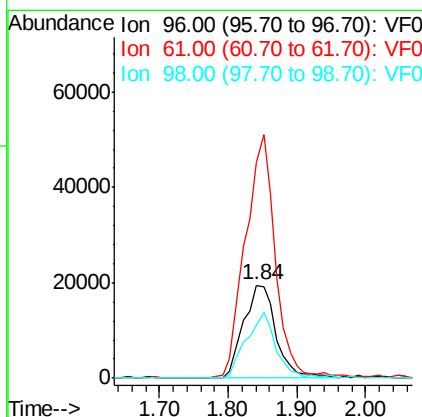
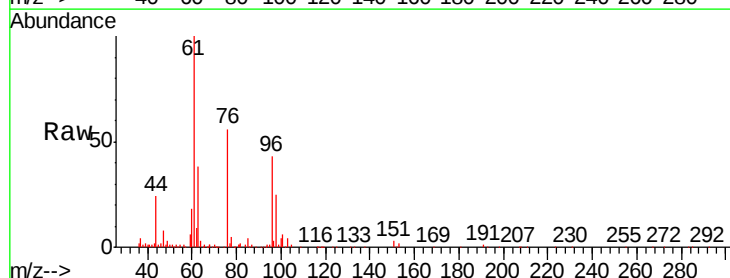
apatel
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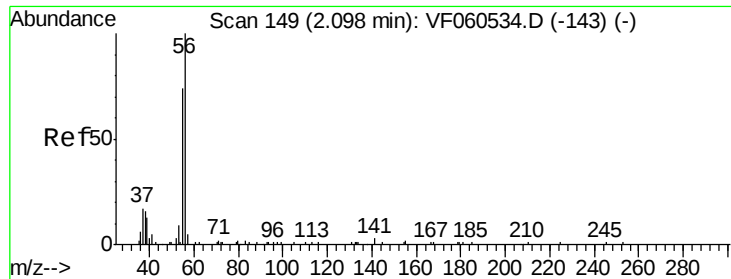


#12

1,1-Dichloroethene
Concen: 23.70 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	231.2	175.4	263.2
98	57.1	48.9	73.3





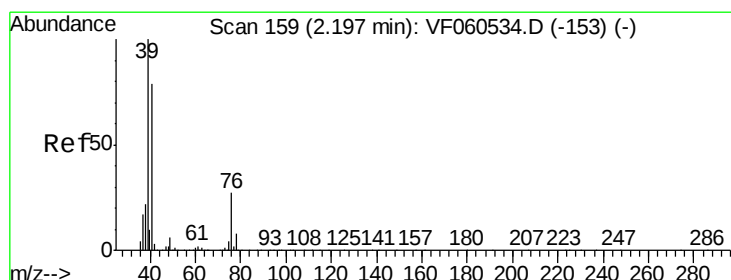
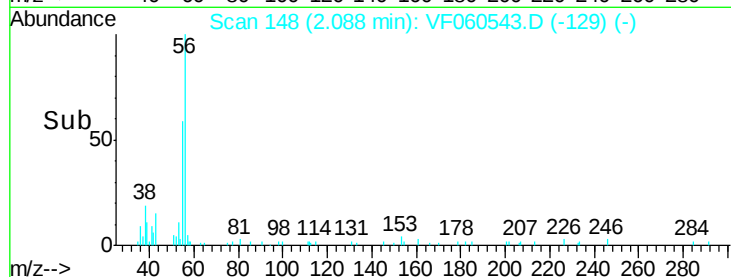
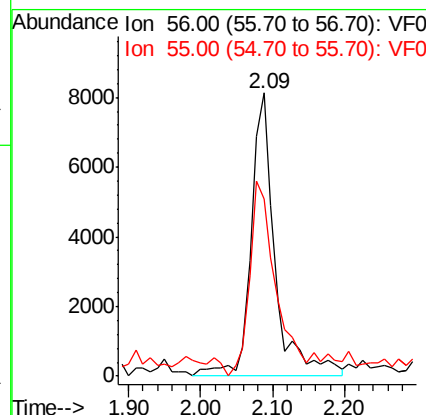
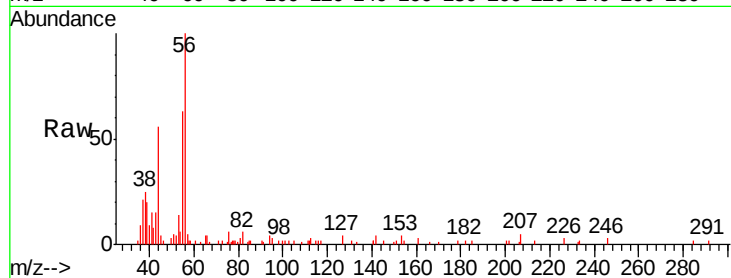
#13
Acrolein
Concen: 139.85 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	62.7	60.4	90.6

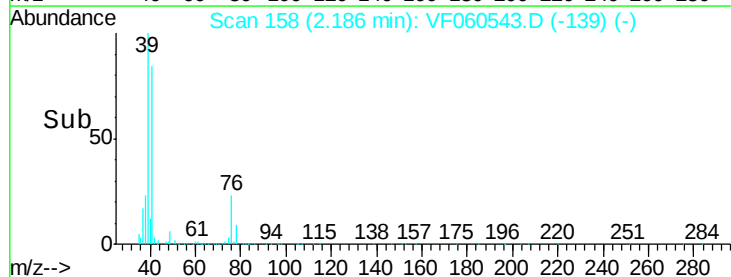
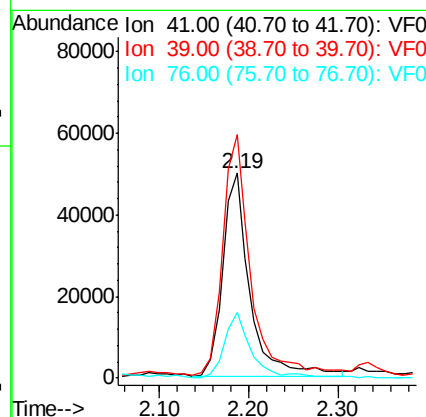
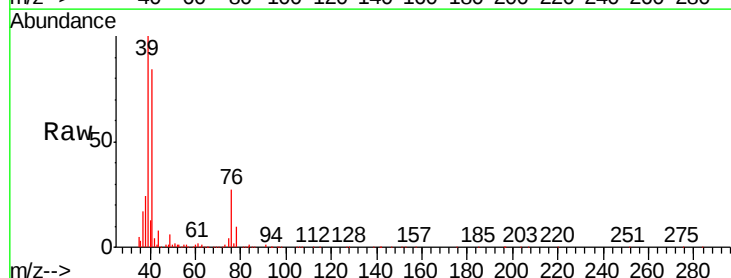
Manual Integrations
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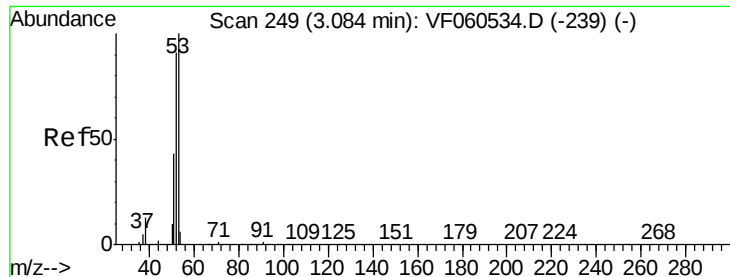
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#14
Allyl chloride
Concen: 24.62 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	119.0	100.6	151.0
76	32.1	27.6	41.4





#15

Acrylonitrile

Concen: 105.98 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

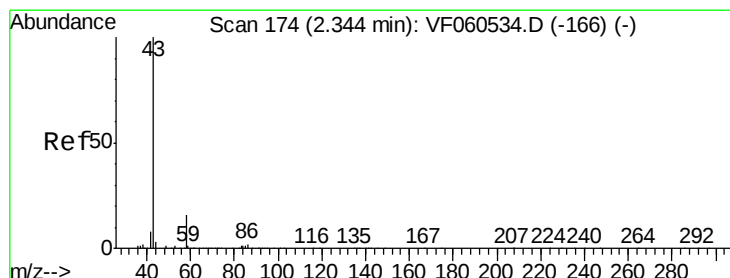
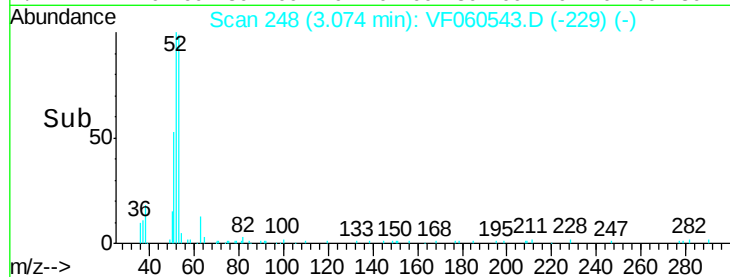
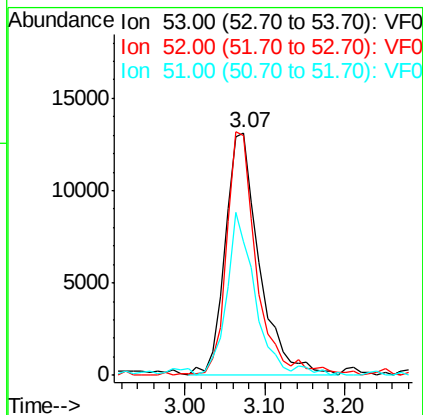
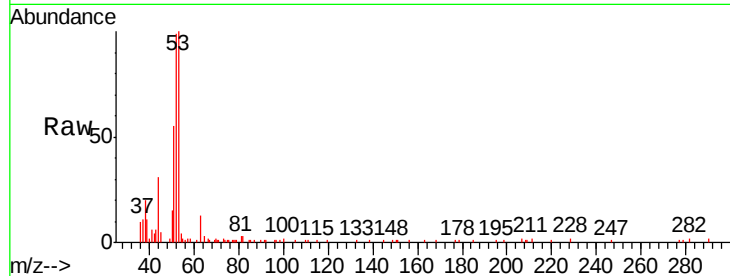
ClientSampleId :

VF1030SBS01

Tgt Ion:	53	Resp:	39354
Ion	Ratio	Lower	Upper
53	100		
52	98.8	73.2	109.8
51	55.2	35.0	52.4#

Manual Integrations
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#16

Acetone

Concen: 151.36 ug/l

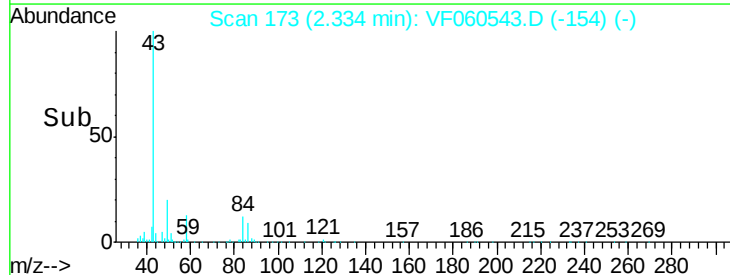
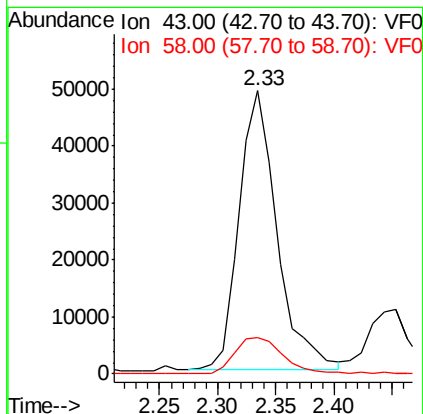
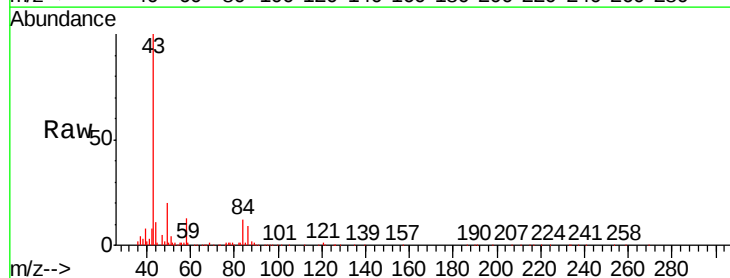
RT: 2.33 min Scan# 173

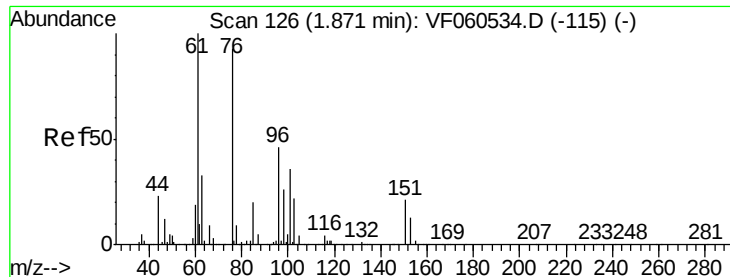
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	43	Resp:	110818
Ion	Ratio	Lower	Upper
43	100		
58	12.8	12.8	19.2#





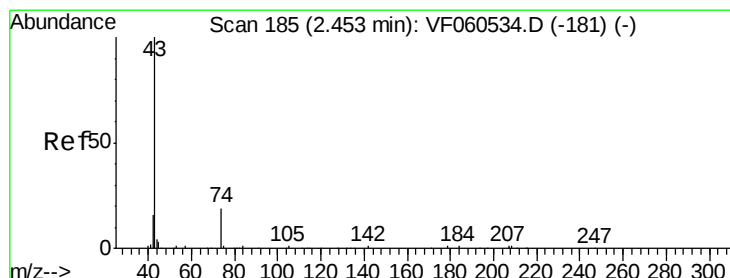
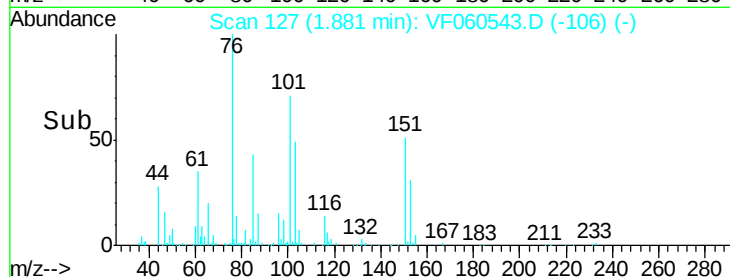
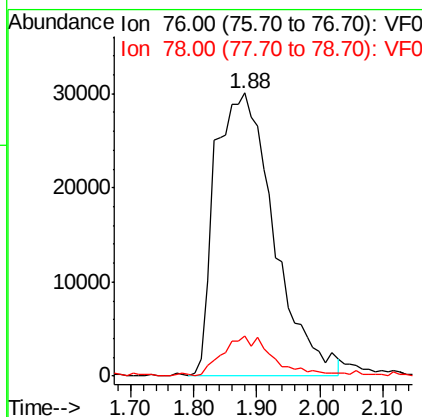
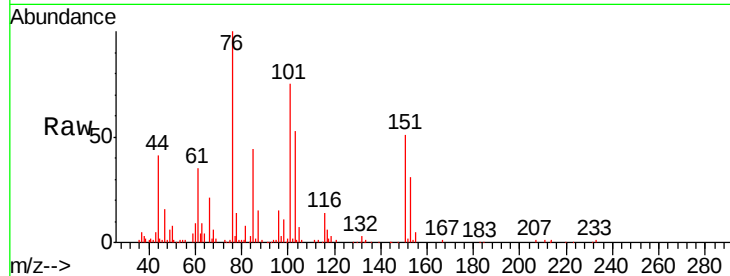
#17
Carbon Disulfide
Concen: 25.69 ug/l
RT: 1.88 min Scan# 127
Delta R.T. 0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 76 Resp: 195357
Ion Ratio Lower Upper
76 100
78 14.3 8.0 12.0#

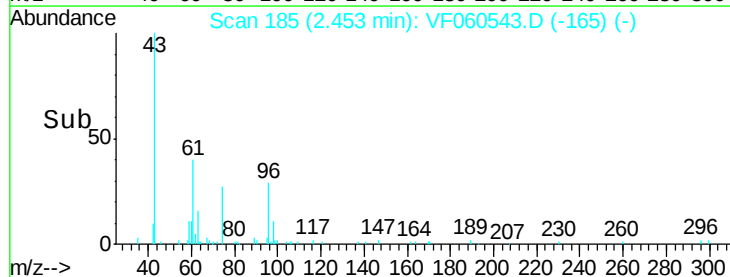
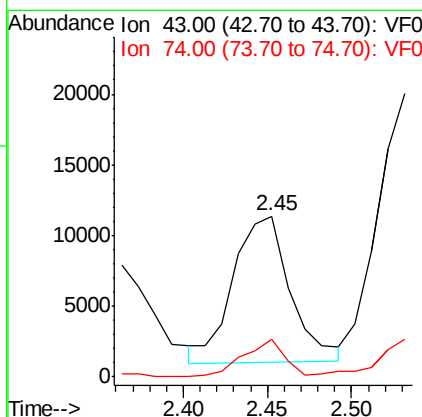
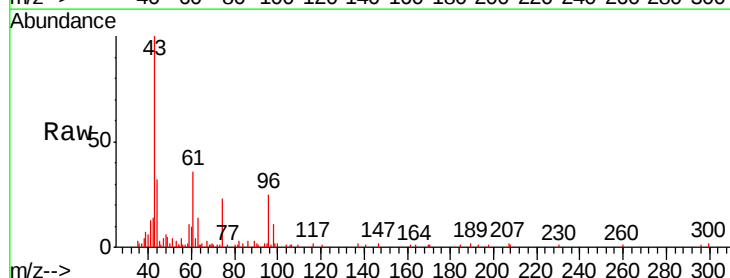
Manual Integrations
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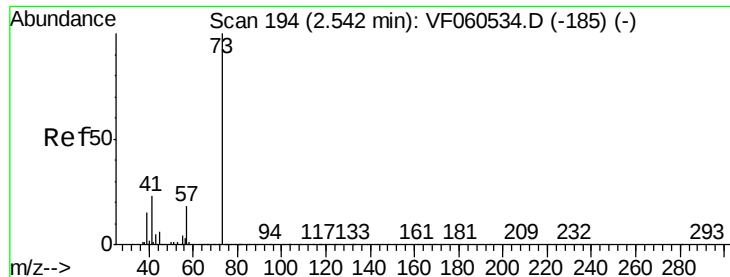
apatel
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#18
Methyl Acetate
Concen: 23.16 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 43 Resp: 24471
Ion Ratio Lower Upper
43 100
74 23.3 13.5 20.3#





#19

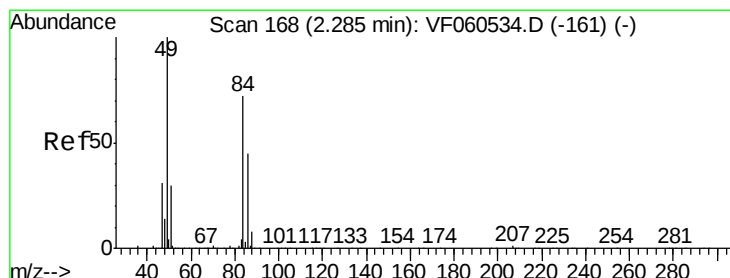
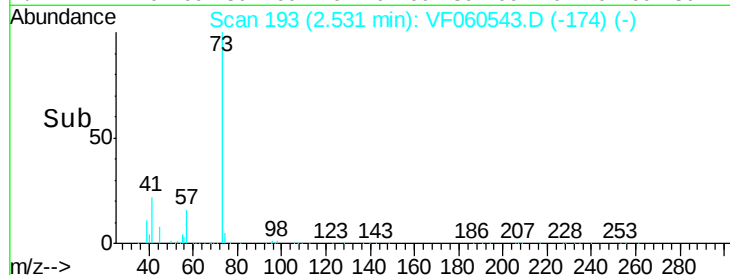
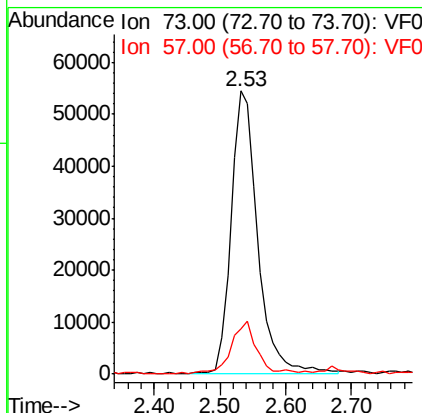
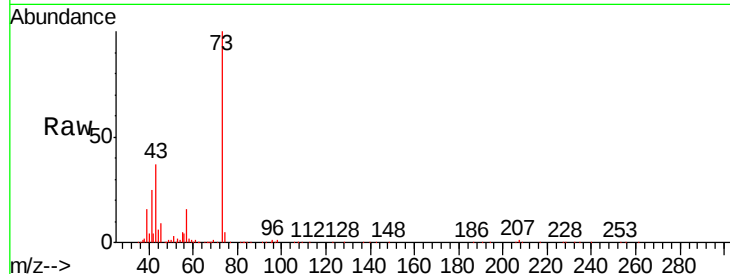
Methyl tert-butyl Ether
 Concen: 25.33 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	15.9	14.7	22.1

Manual Integrations
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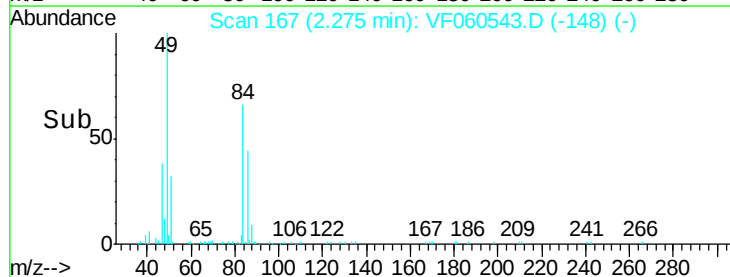
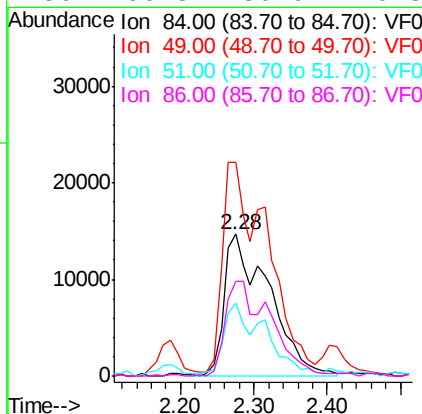
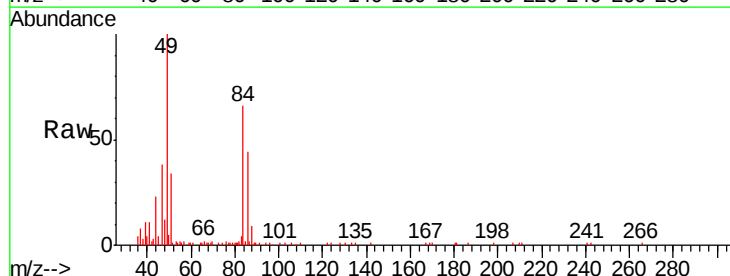
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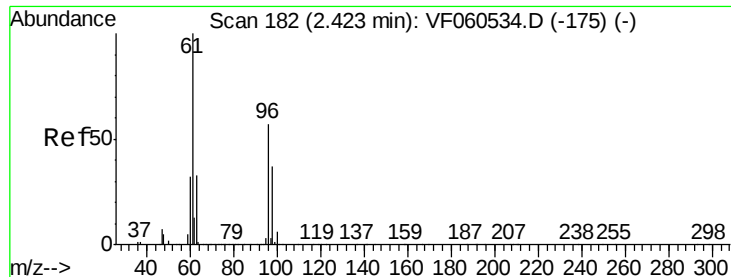


#20

Methylene Chloride
 Concen: 24.83 ug/l m
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.7	115.4	173.0
51	51.9	35.4	53.2
86	66.8	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 24.57 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

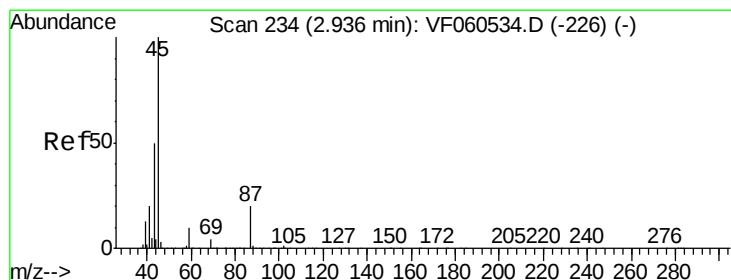
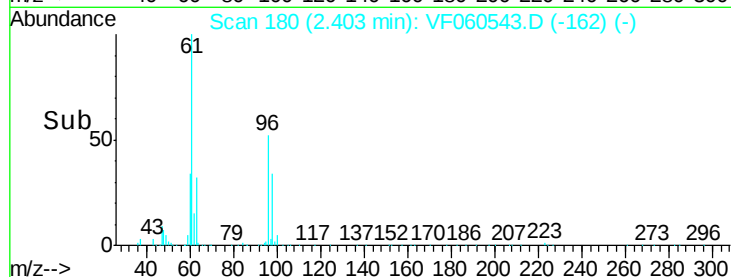
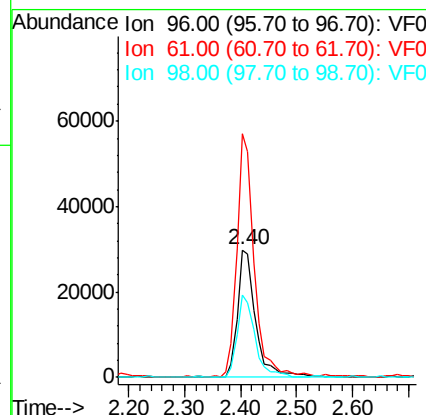
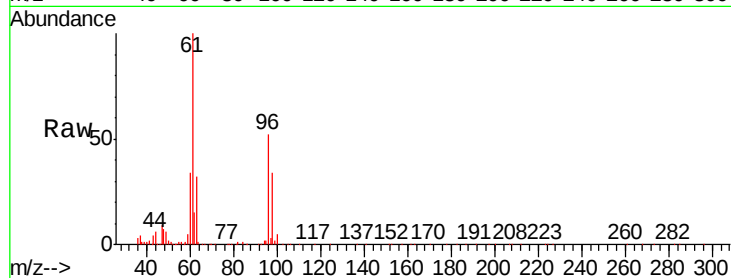
ClientSampleId :

VF1030SBS01

Tgt Ion:	96	Resp:	67987
Ion	Ratio	Lower	Upper
96	100		
61	191.3	139.8	209.6
98	64.6	52.2	78.4

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#22

Diisopropyl ether

Concen: 24.82 ug/l

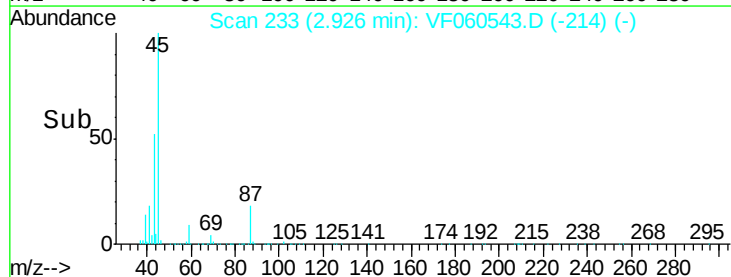
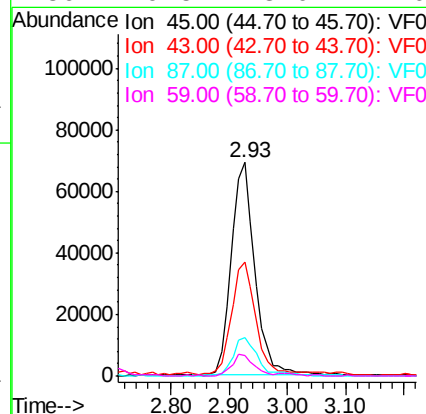
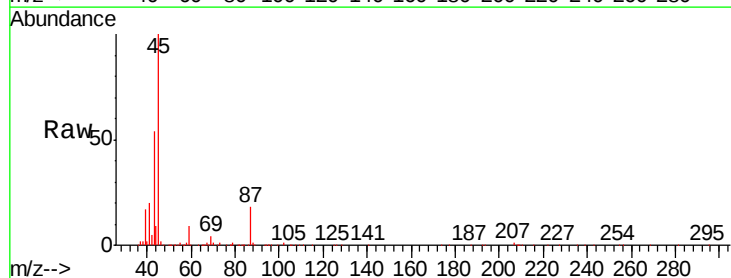
RT: 2.93 min Scan# 233

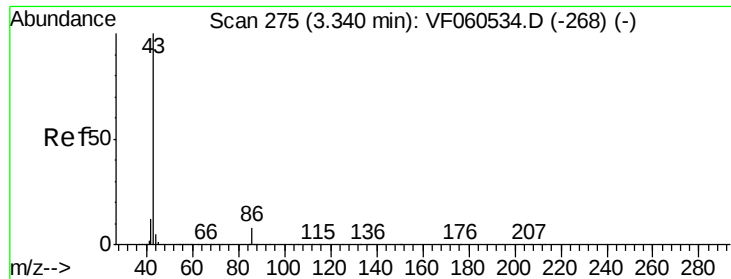
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	45	Resp:	193954
Ion	Ratio	Lower	Upper
45	100		
43	53.6	40.6	60.8
87	18.1	15.9	23.9
59	9.5	8.0	12.0





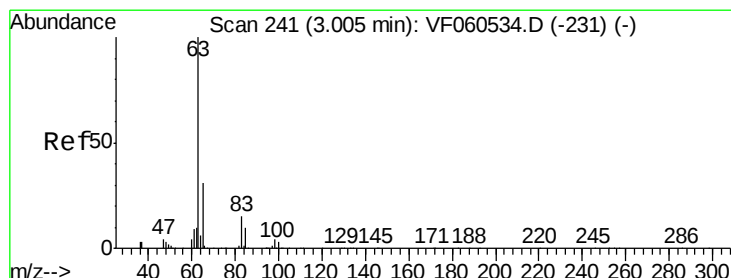
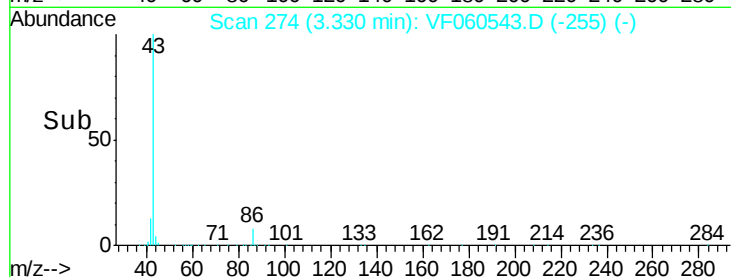
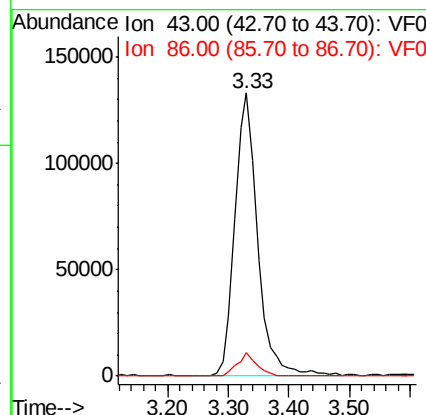
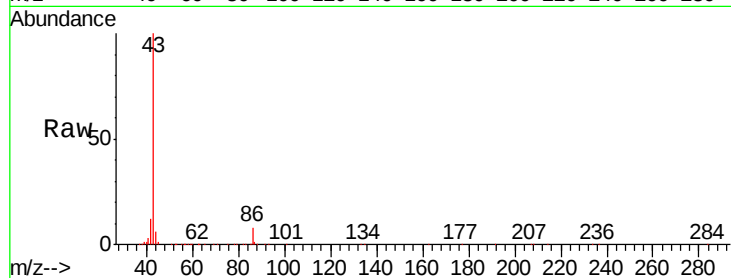
#23
 Vinyl Acetate
 Concen: 119.35 ug/l
 RT: 3.33 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	345972		
86	8.2	6.2	9.2	

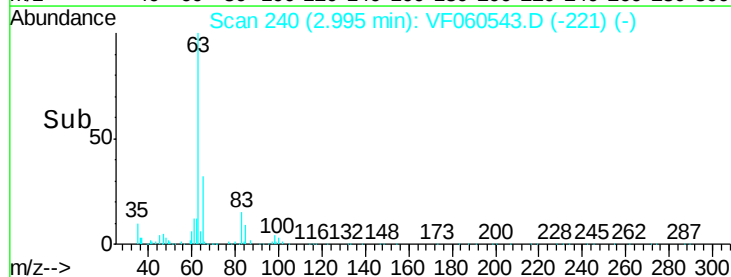
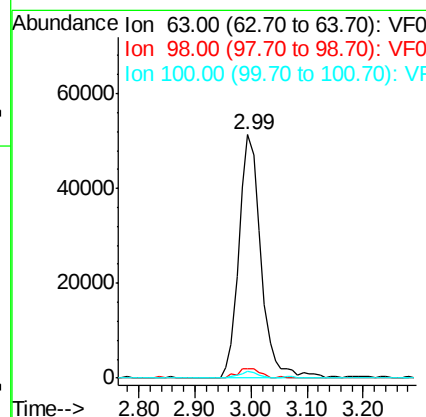
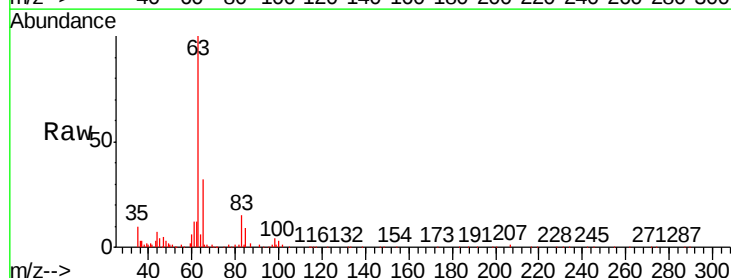
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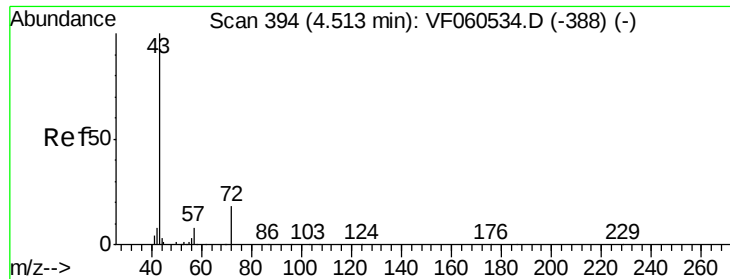
apatel
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#24
 1,1-Dichloroethane
 Concen: 25.04 ug/l
 RT: 2.99 min Scan# 240
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	141175		
98	4.1	2.0	6.0	
100	2.9	1.4	4.0	





#25

2-Butanone

Concen: 120.22 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 43 Resp: 116649

Ion Ratio Lower Upper

43 100

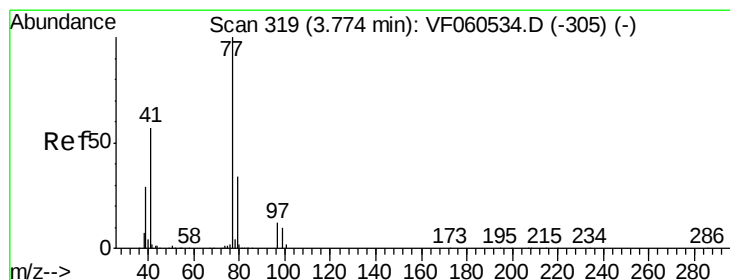
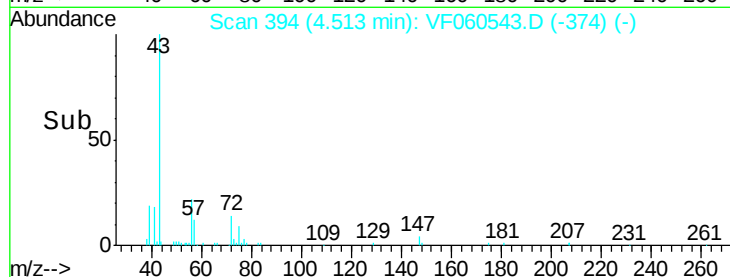
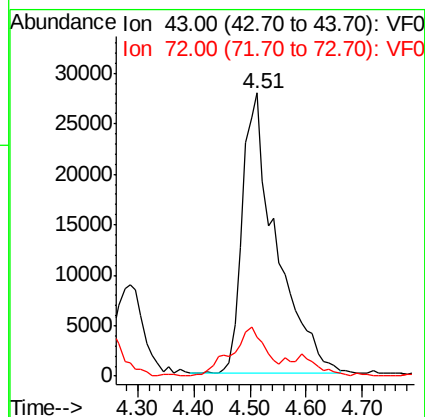
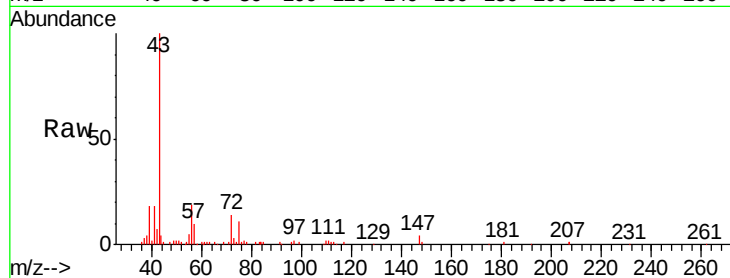
72 13.9 17.4 26.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.69 ug/l

RT: 3.76 min Scan# 318

Delta R.T. -0.01 min

Lab File: VF060543.D

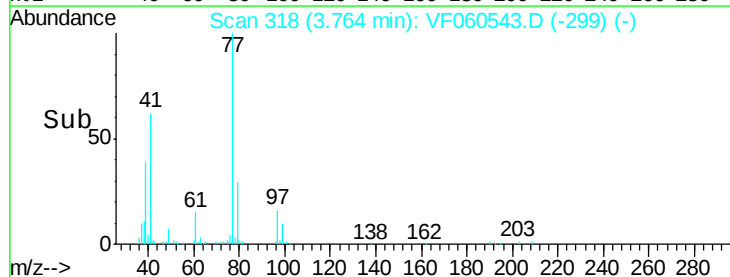
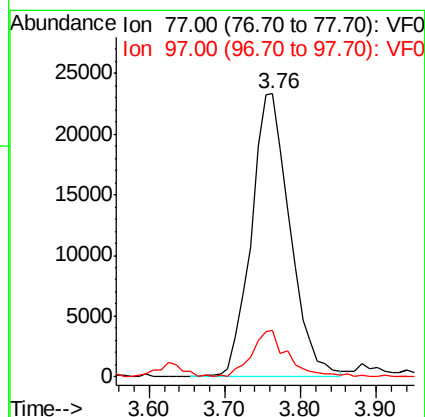
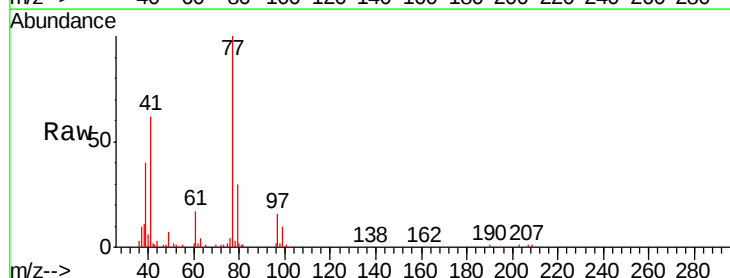
Acq: 30 Oct 2018 13:57

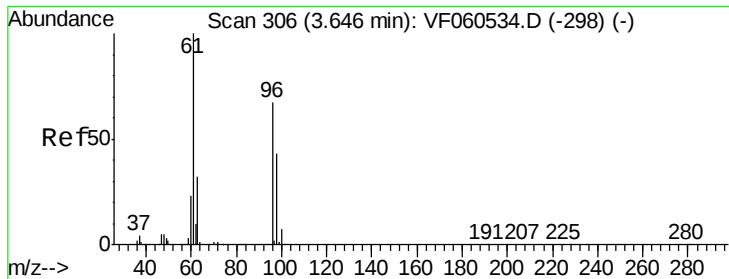
Tgt Ion: 77 Resp: 83032

Ion Ratio Lower Upper

77 100

97 16.3 8.5 25.5





#27

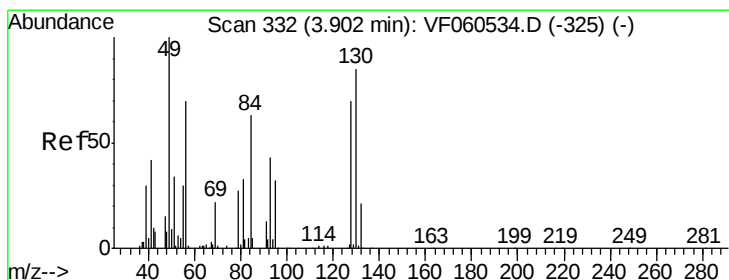
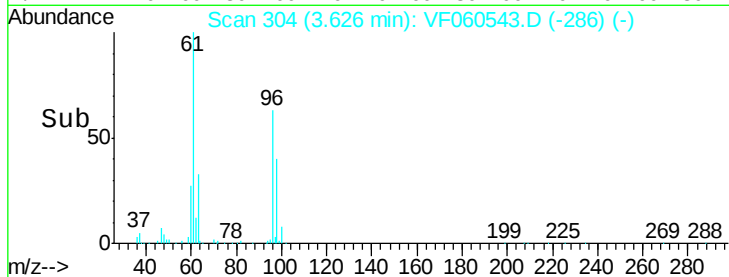
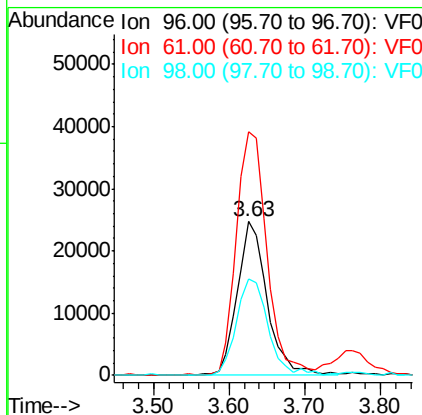
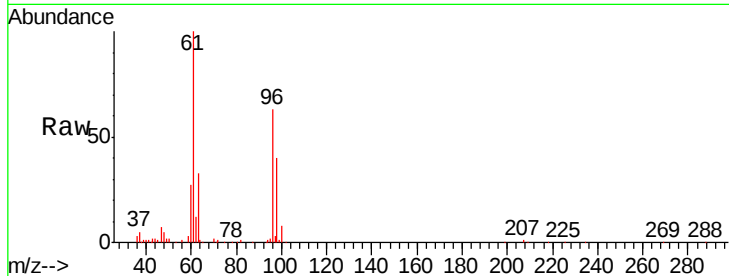
cis-1,2-Dichloroethene
 Concen: 20.20 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	300.8
98	62.9	0.0	128.4

Manual Integrations
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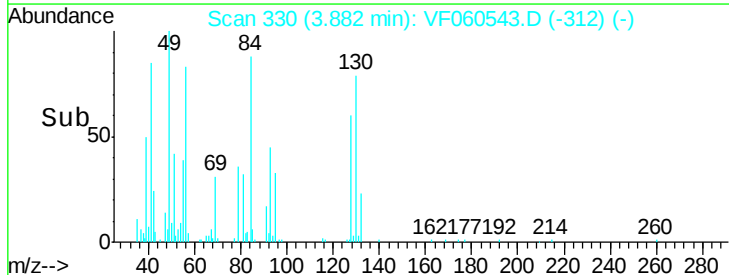
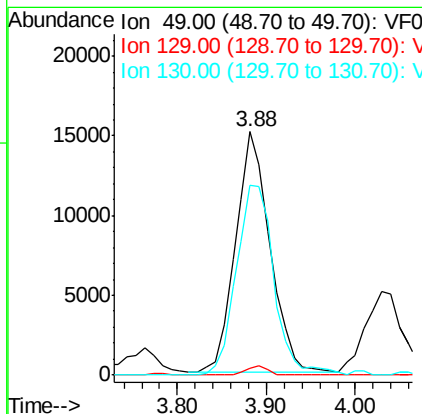
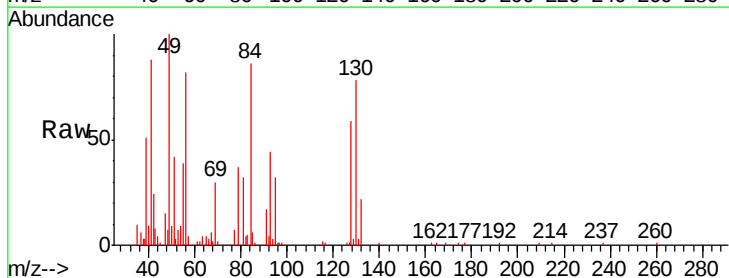
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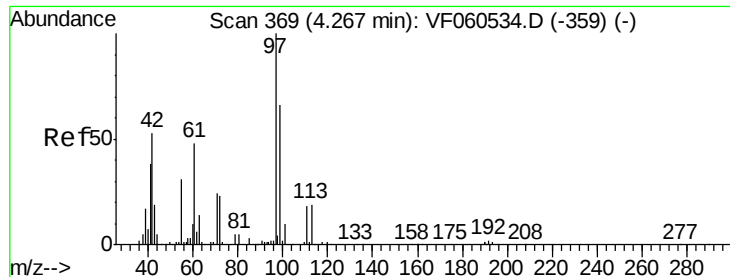


#28

Bromochloromethane
 Concen: 20.03 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	77.8	67.5	101.3





#29

Tetrahydrofuran

Concen: 110.46 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

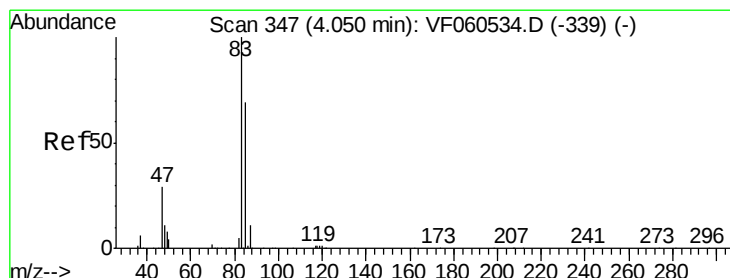
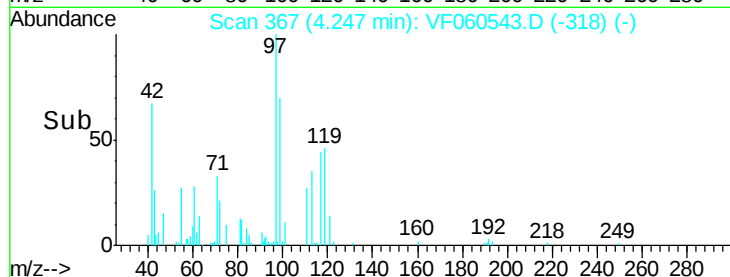
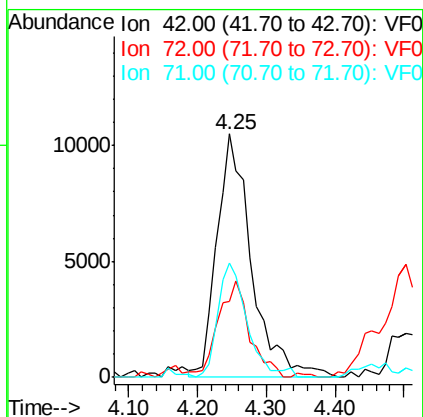
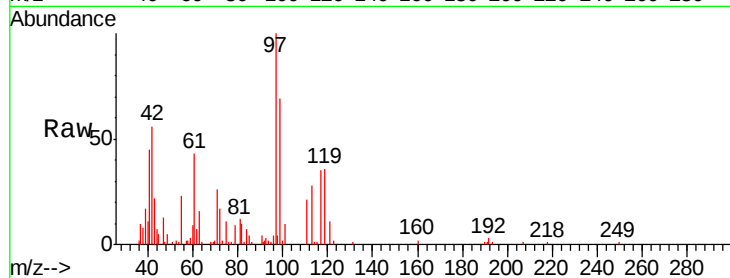
ClientSampleId :

VF1030SBS01

Tgt Ion:	42	Resp:	36670
Ion Ratio	Lower	Upper	
42	100		
72	35.1	32.5	48.7
71	39.4	34.5	51.7

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#30

Chloroform

Concen: 23.06 ug/l

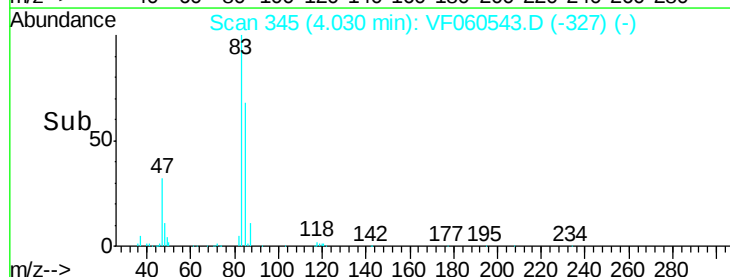
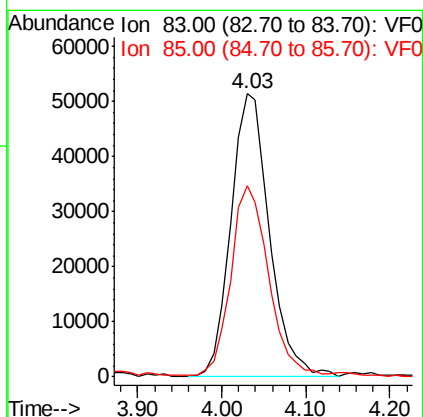
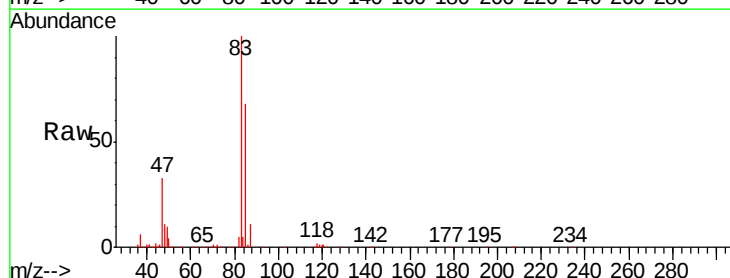
RT: 4.03 min Scan# 345

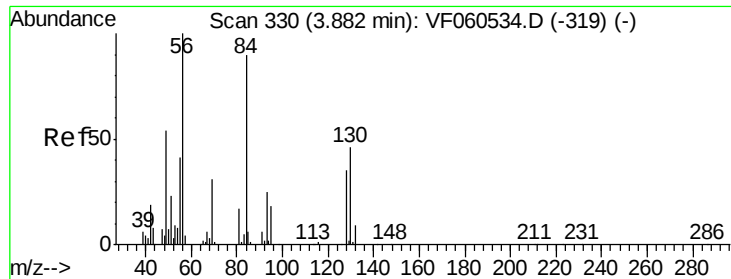
Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	83	Resp:	164216
Ion Ratio	Lower	Upper	
83	100		
85	67.7	55.0	82.4





#31

Cyclohexane

Concen: 20.97 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

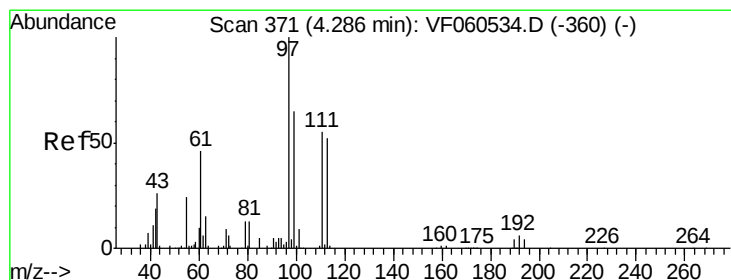
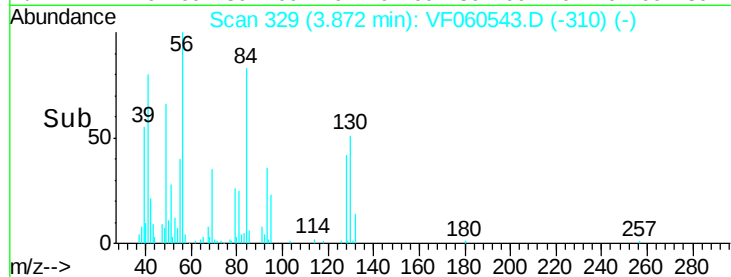
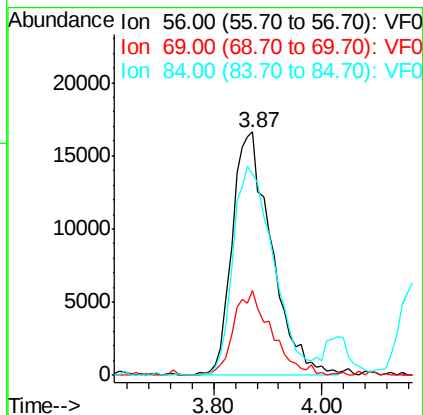
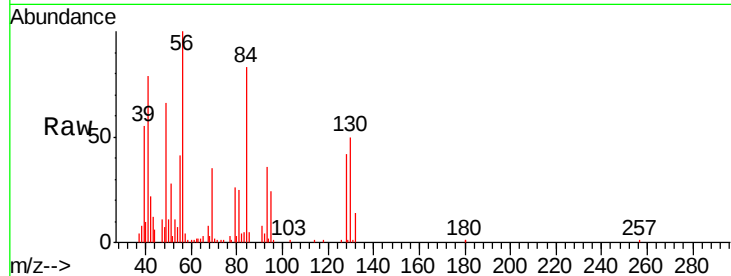
ClientSampleId :

VF1030SBS01

Tgt Ion:	56	Resp:	84420
Ion Ratio	Lower	Upper	
56	100		
69	34.9	25.0	37.6
84	82.6	72.1	108.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.95 ug/l

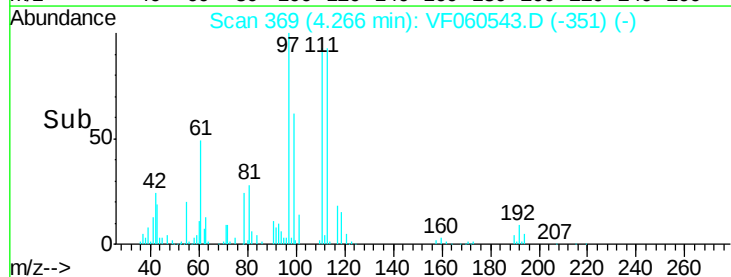
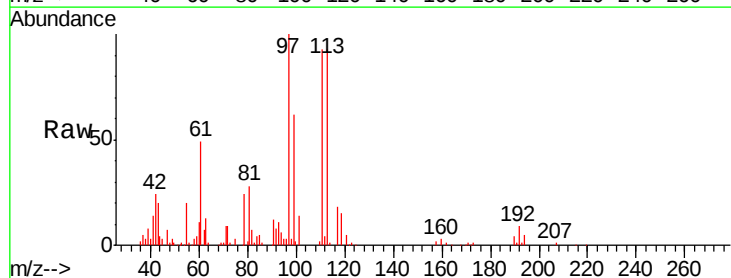
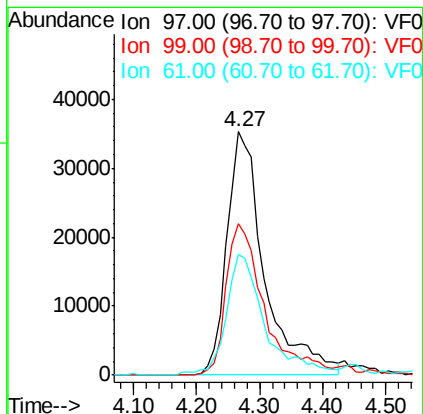
RT: 4.27 min Scan# 369

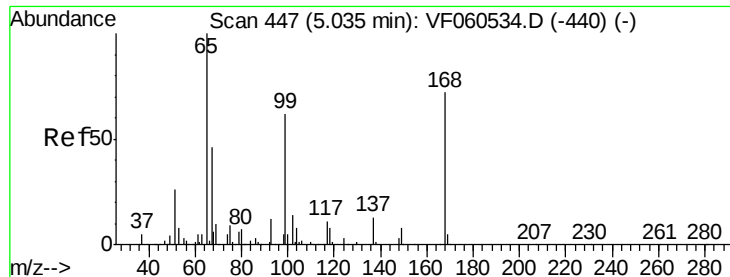
Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	97	Resp:	146895
Ion Ratio	Lower	Upper	
97	100		
99	62.3	51.7	77.5
61	49.5	36.8	55.2





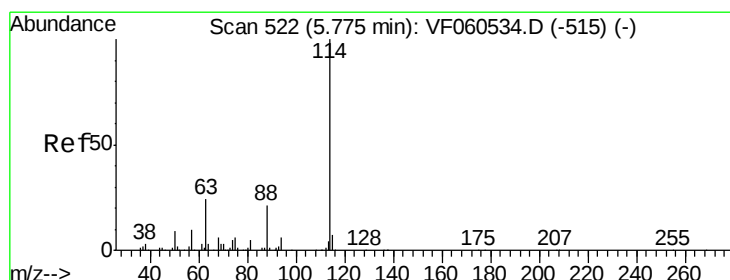
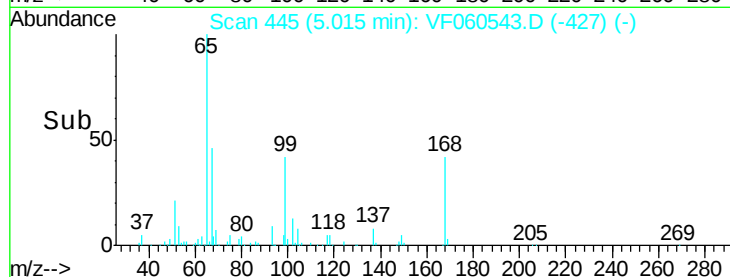
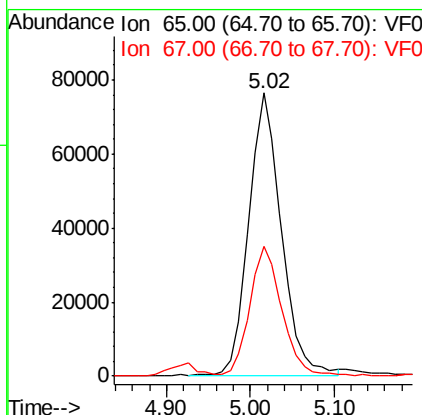
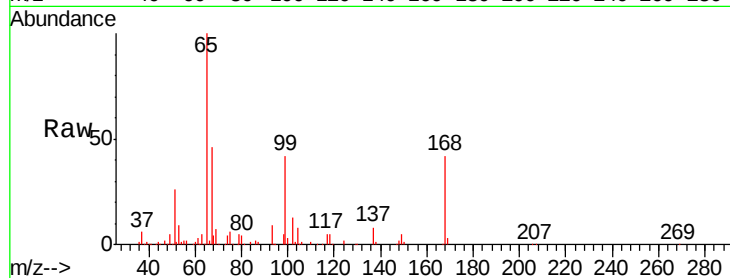
#33
 1,2-Dichloroethane-d4
 Concen: 55.99 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	207928		
67	45.8	0.0	94.4	

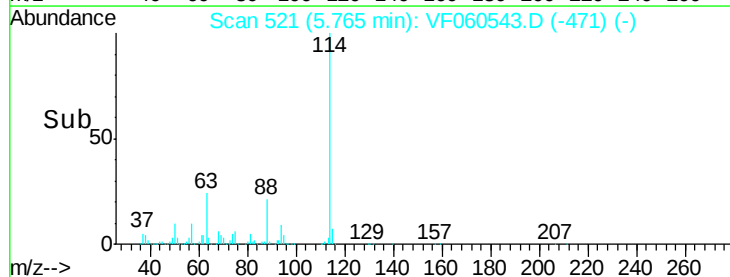
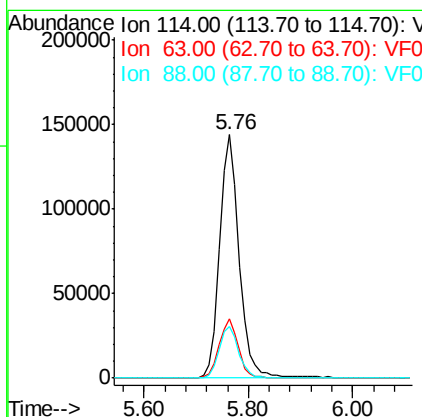
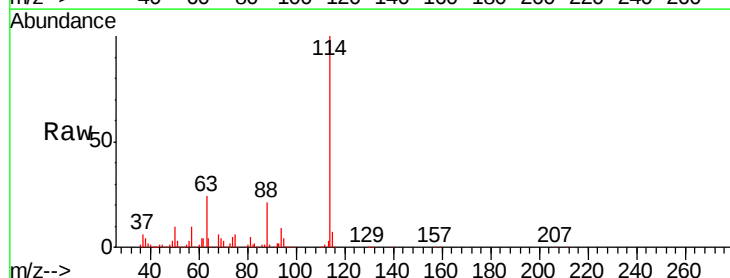
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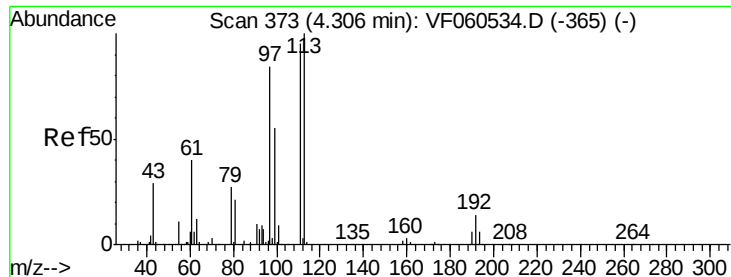
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375710		
63	24.2	0.0	48.0	
88	21.4	0.0	42.0	





#35

Dibromofluoromethane

Concen: 55.00 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

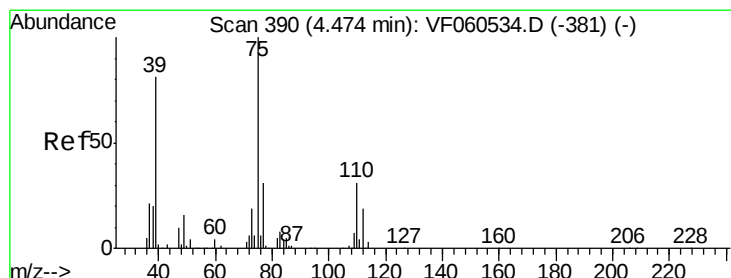
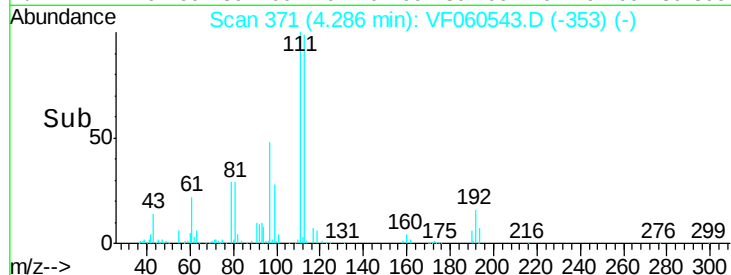
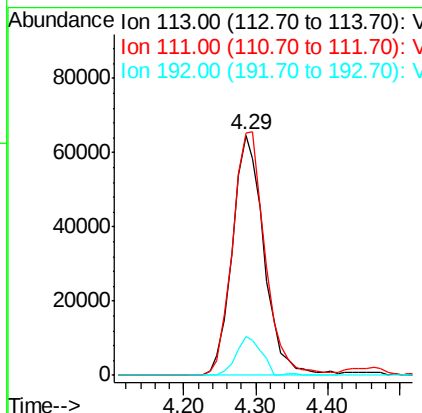
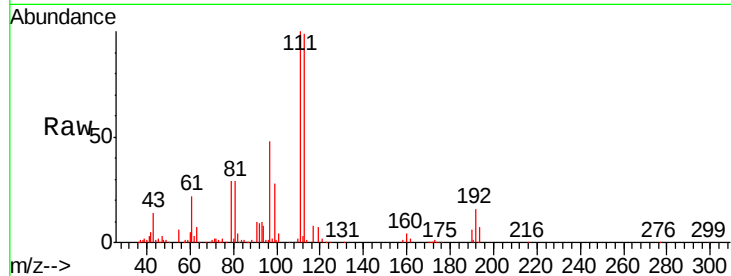
ClientSampleId :

VF1030SBS01

Tgt Ion:	113	Resp:	198301
Ion Ratio	Lower	Upper	
113	100		
111	101.1	75.9	113.9
192	16.0	11.2	16.8

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#36

1,1-Dichloropropene

Concen: 22.78 ug/l

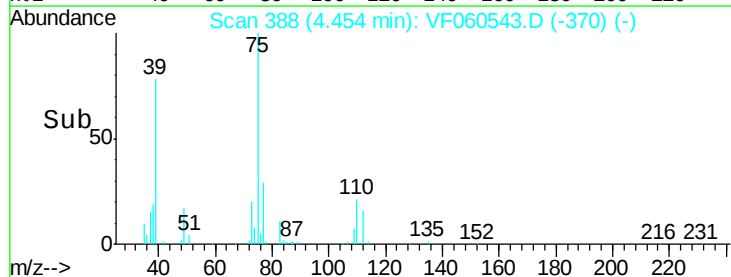
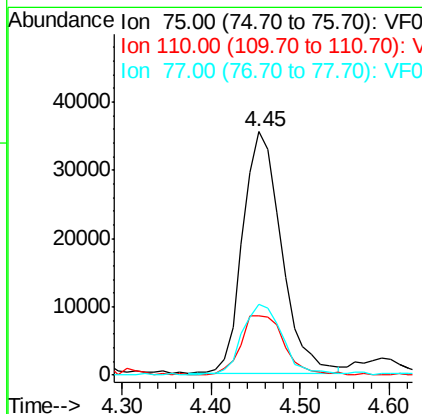
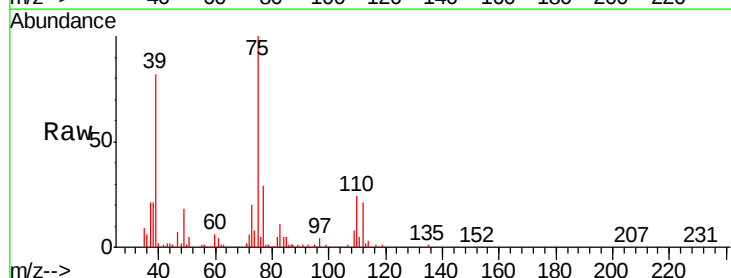
RT: 4.45 min Scan# 388

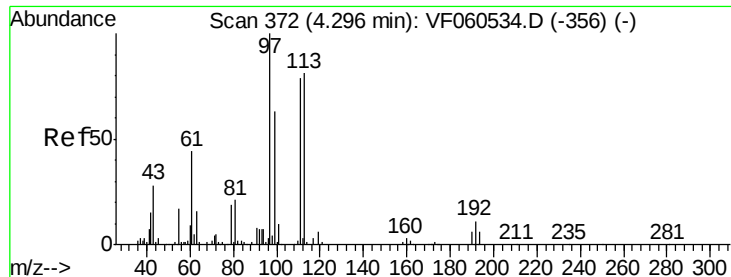
Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	75	Resp:	106616
Ion Ratio	Lower	Upper	
75	100		
110	24.3	15.3	45.8
77	28.9	24.8	37.2





#37

Ethyl Acetate

Concen: 25.85 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

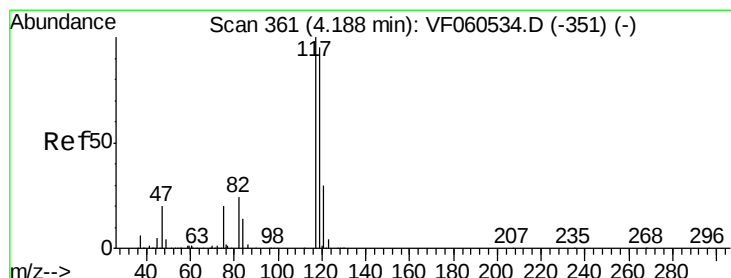
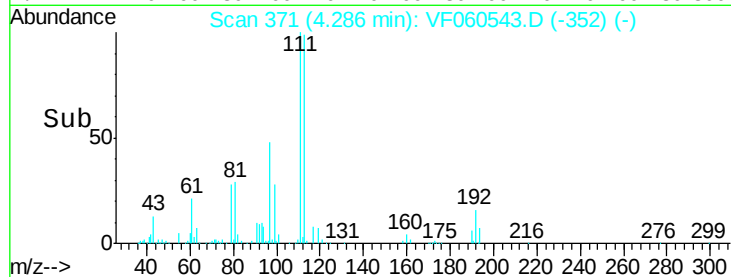
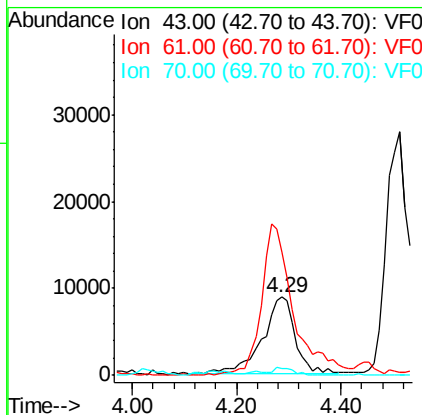
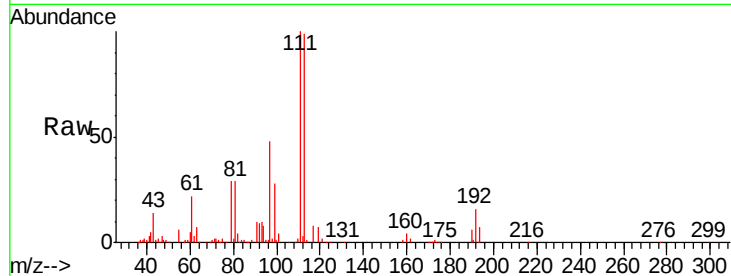
ClientSampleId :

VF1030SBSD01

Tgt Ion:	43	Resp:	39169
Ion	Ratio	Lower	Upper
43	100		
61	157.7	123.9	185.9
70	8.3	7.3	10.9

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#38

Carbon Tetrachloride

Concen: 24.15 ug/l m

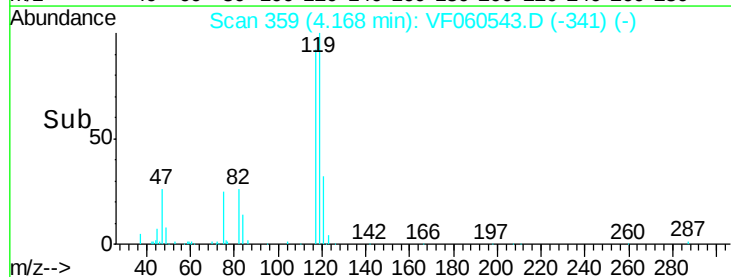
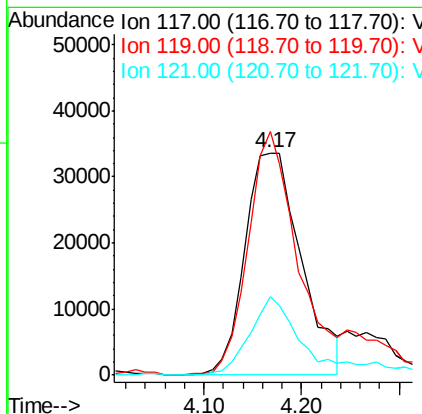
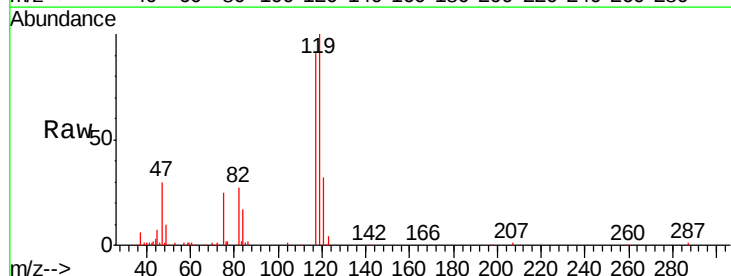
RT: 4.17 min Scan# 359

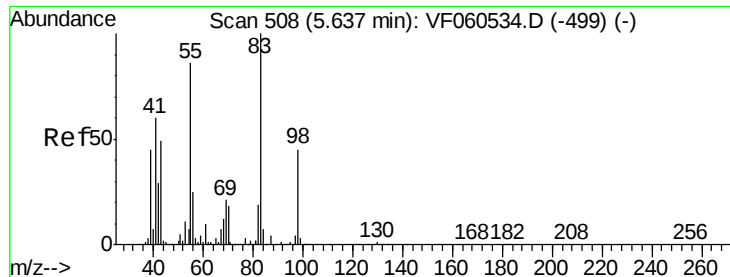
Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	117	Resp:	135384
Ion	Ratio	Lower	Upper
117	100		
119	109.5	76.5	114.7
121	35.2	24.3	36.5





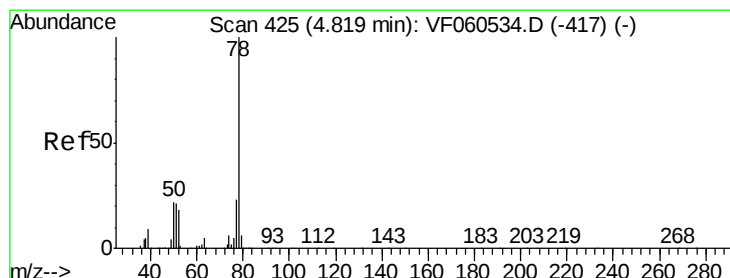
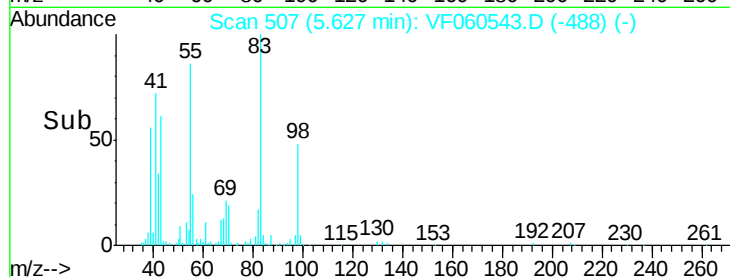
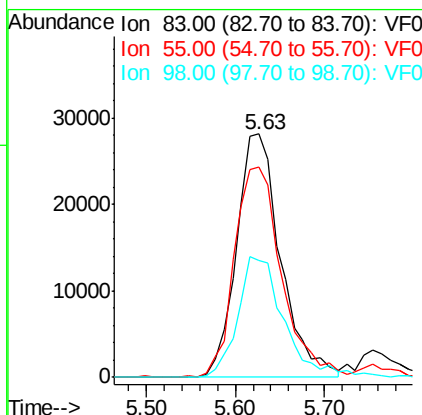
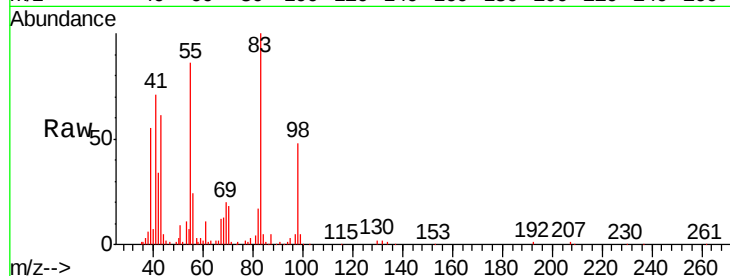
#39
Methylcyclohexane
Concen: 20.50 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.3	69.0	103.4
98	47.8	36.1	54.1

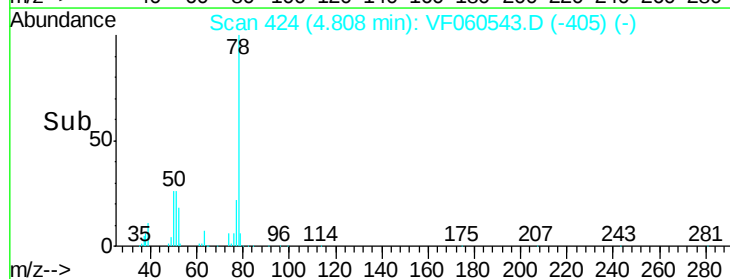
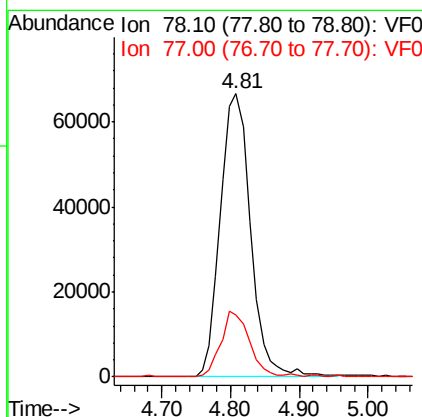
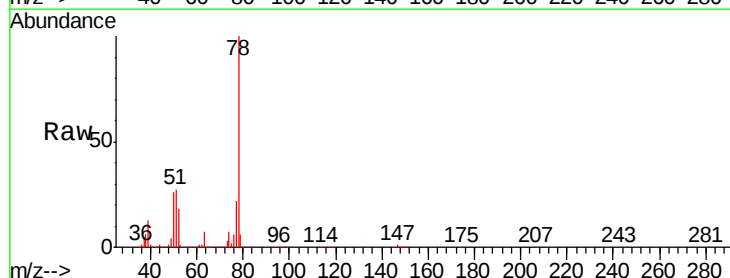
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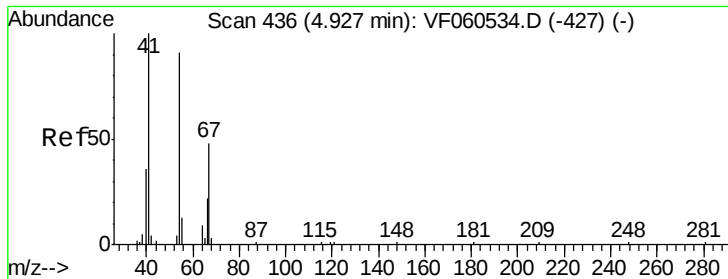
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#40
Benzene
Concen: 21.97 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.5	27.7





#41

Methacrylonitrile

Concen: 21.86 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

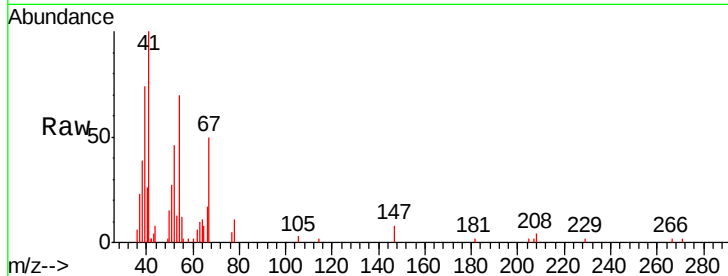
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.6	51.0	76.6
67	49.8	38.0	57.0
52	45.9	40.6	61.0

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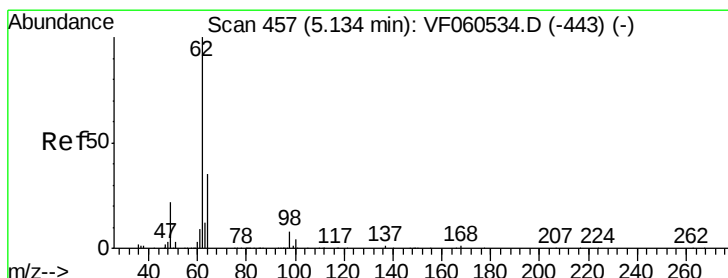
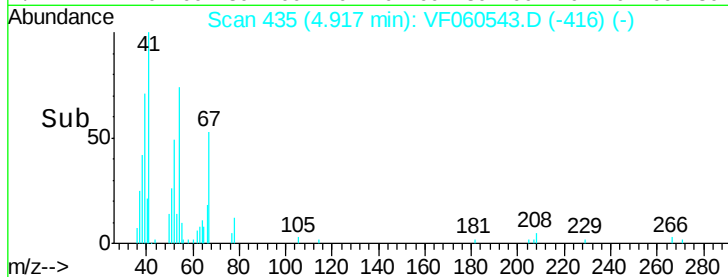
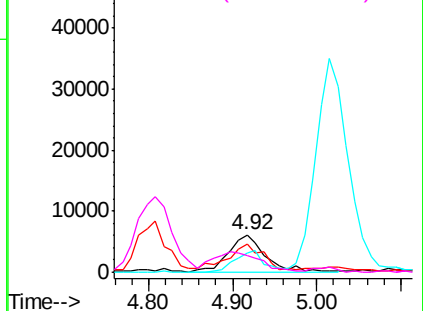


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 25.14 ug/l

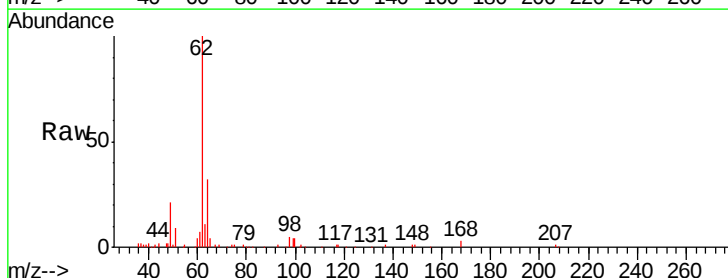
RT: 5.11 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF060543.D

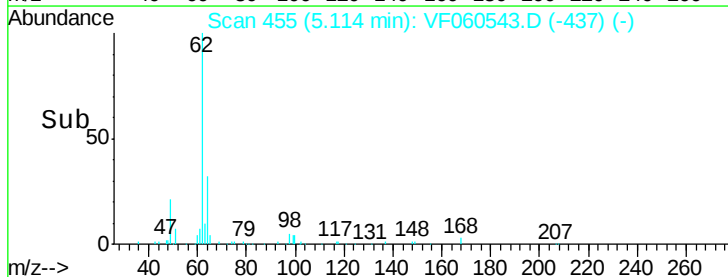
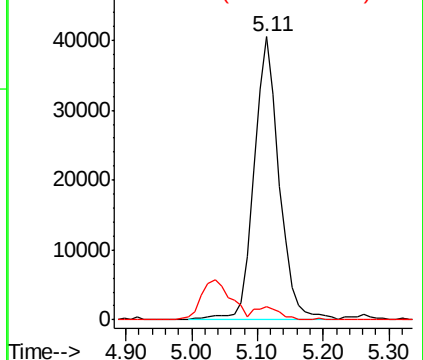
Acq: 30 Oct 2018 13:57

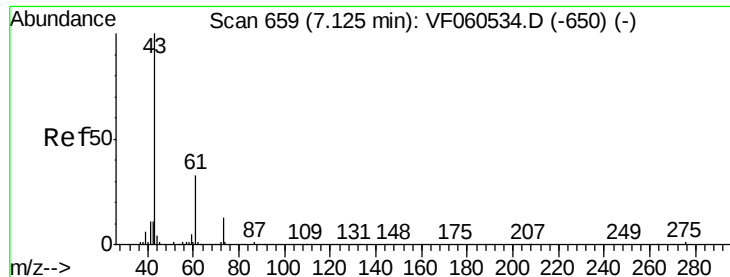
Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

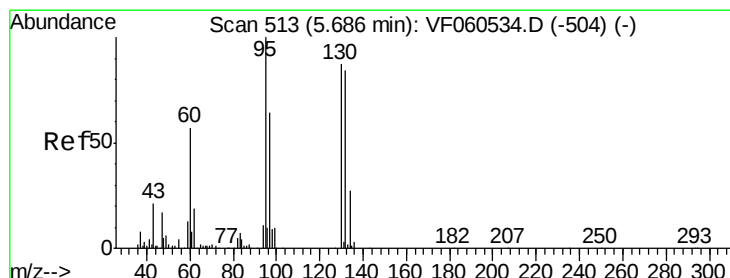
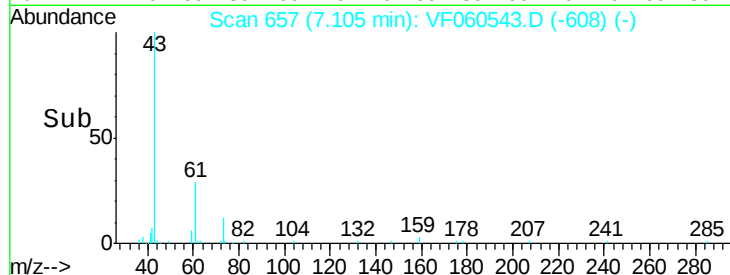
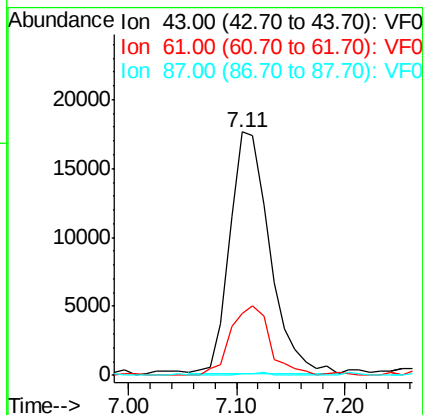
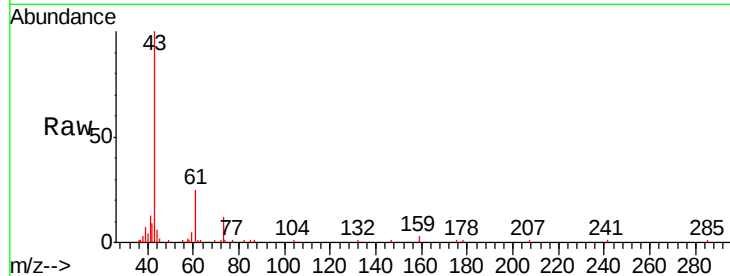
Isopropyl Acetate
 Concen: 24.58 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.5	26.6	40.0#
87	0.7	0.6	1.0

Manual Integrations
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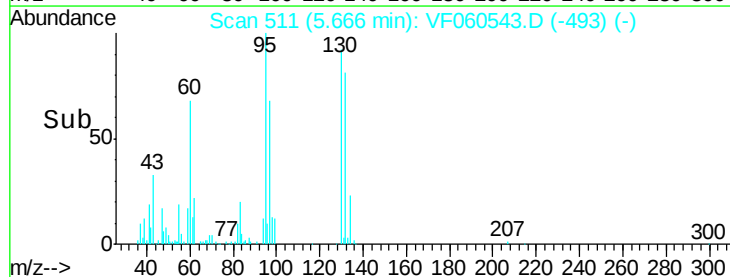
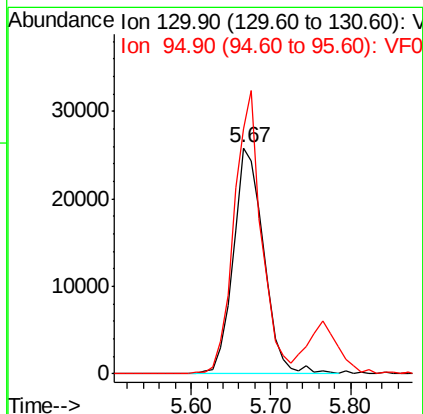
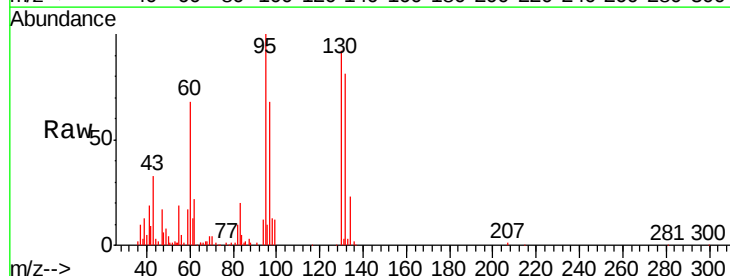
apatel
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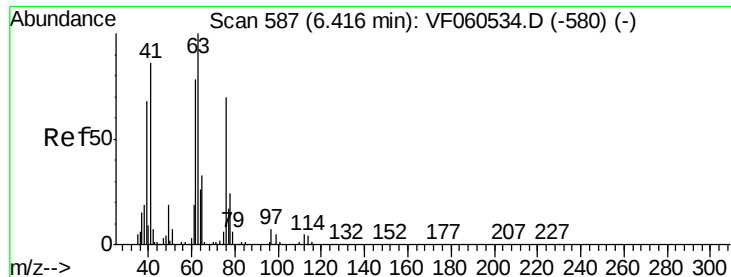


#44

Trichloroethene
 Concen: 22.82 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	229.4





#45

1,2-Dichloropropane

Concen: 22.31 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 63 Resp: 51694

Ion Ratio Lower Upper

63 100

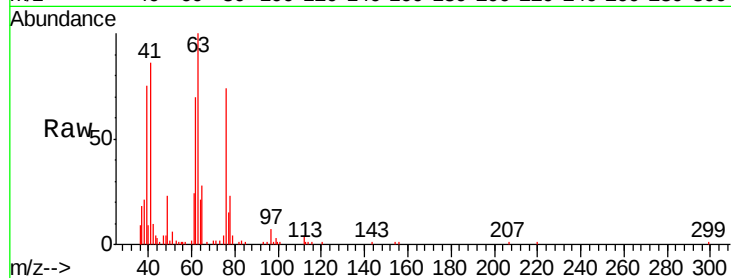
65 28.2 26.5 39.7

Manual Integrations

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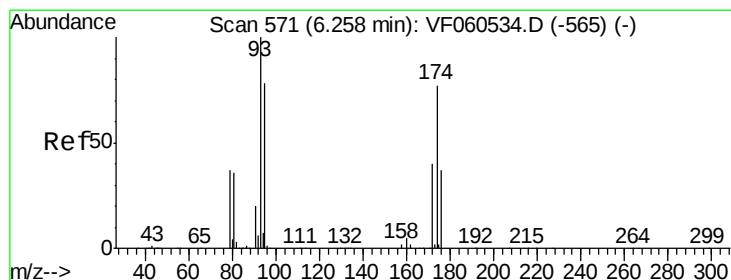
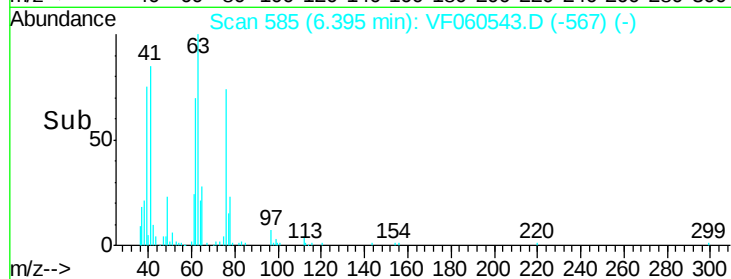
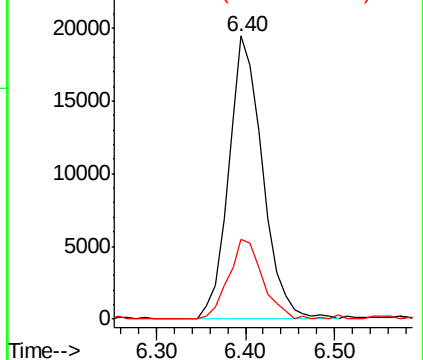
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.22 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

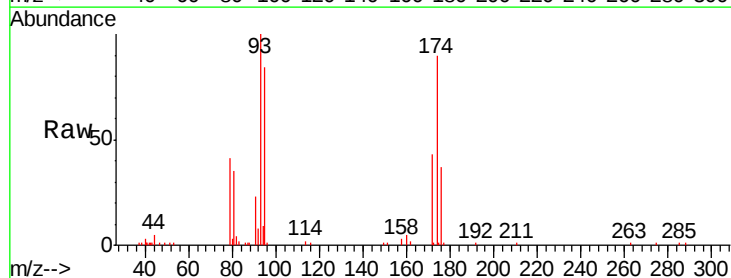
Tgt Ion: 93 Resp: 40421

Ion Ratio Lower Upper

93 100

95 84.9 64.3 96.5

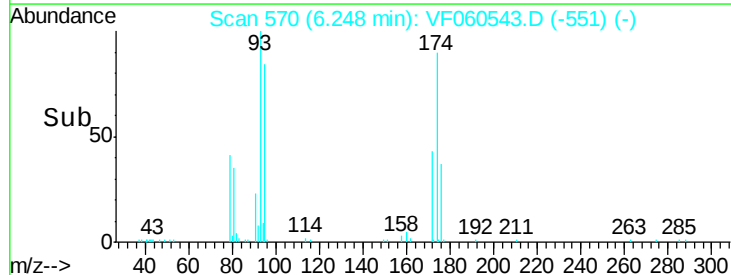
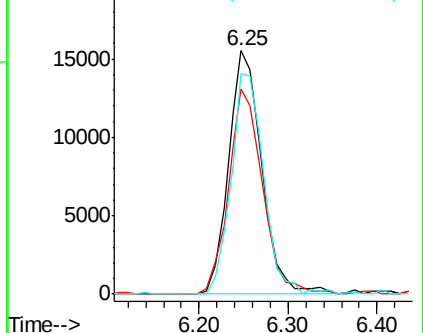
174 90.8 63.3 94.9

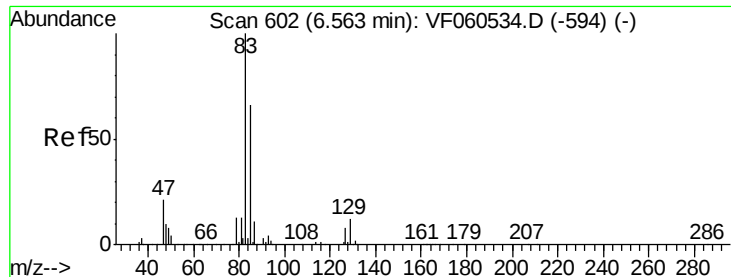


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 25.59 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

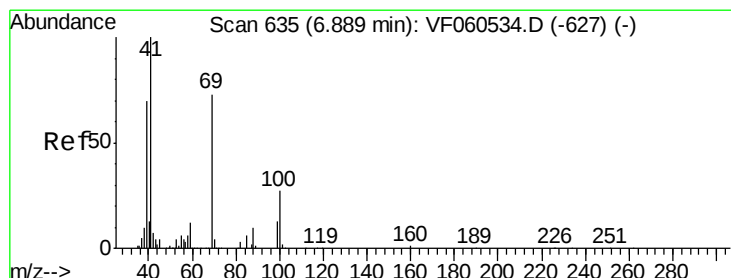
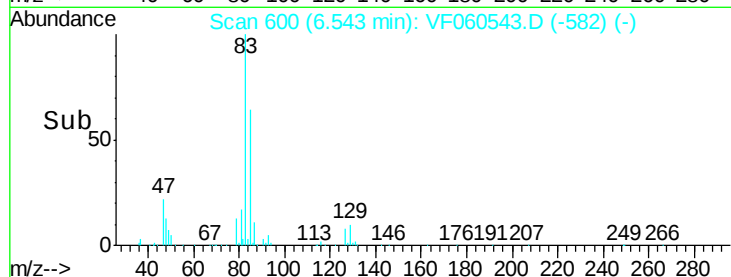
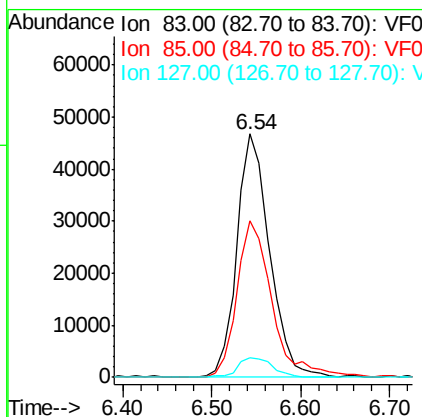
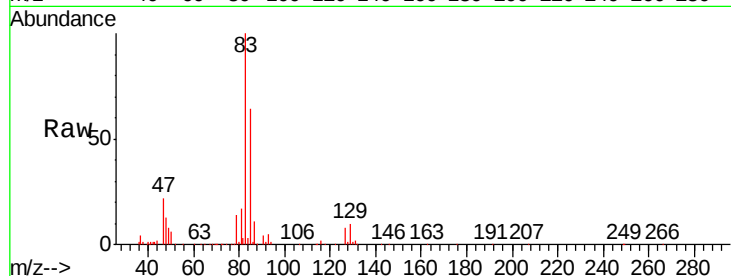
ClientSampleId :

VF1030SBS01

Tgt Ion:	83	Resp:	119479
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.7	79.1
127	8.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.30 ug/l

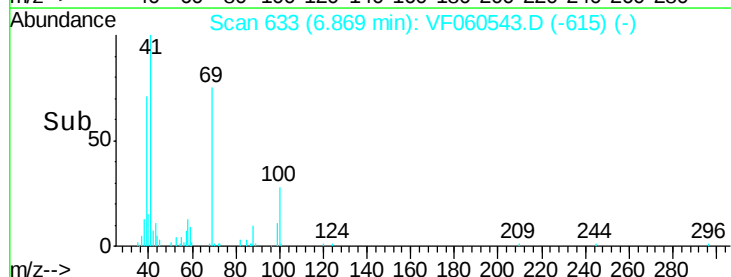
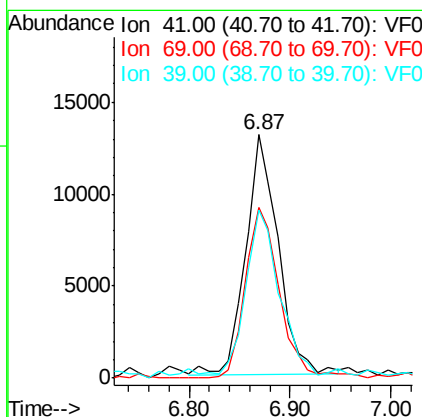
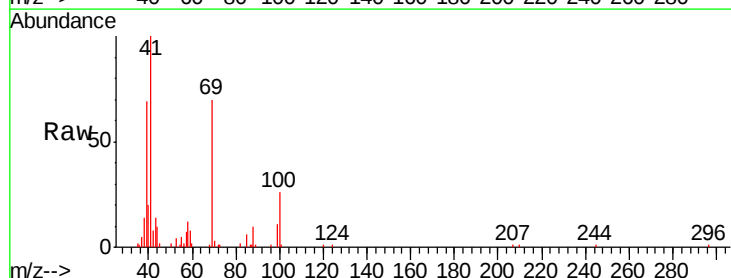
RT: 6.87 min Scan# 633

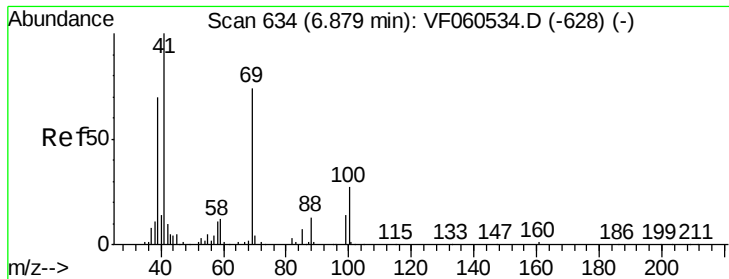
Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	41	Resp:	29482
Ion	Ratio	Lower	Upper
41	100		
69	70.0	58.4	87.6
39	68.9	56.4	84.6





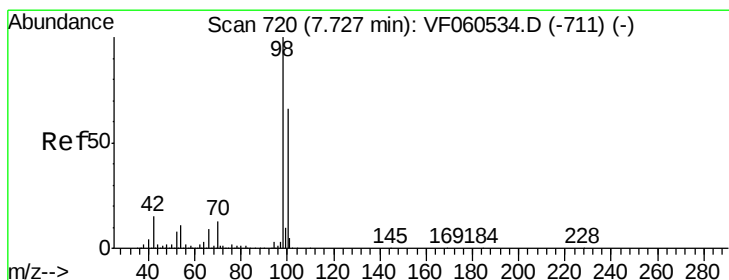
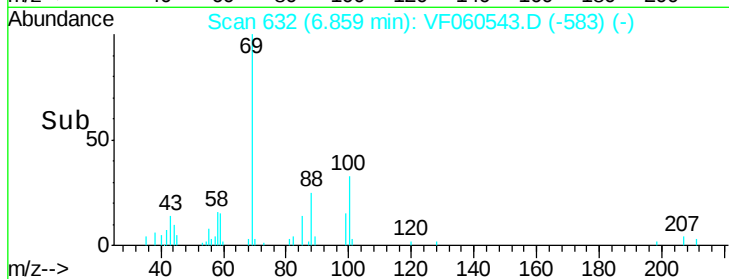
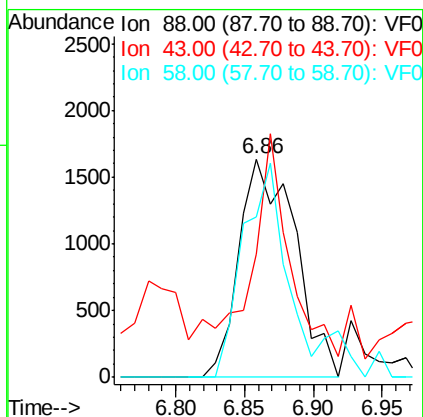
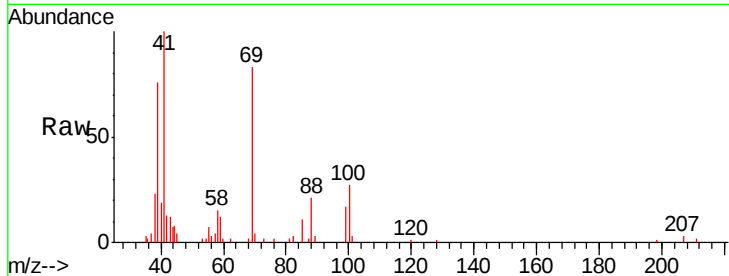
#49
1,4-Dioxane
Concen: 393.97 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	56.2	49.7	74.5
58	73.3	67.7	101.5

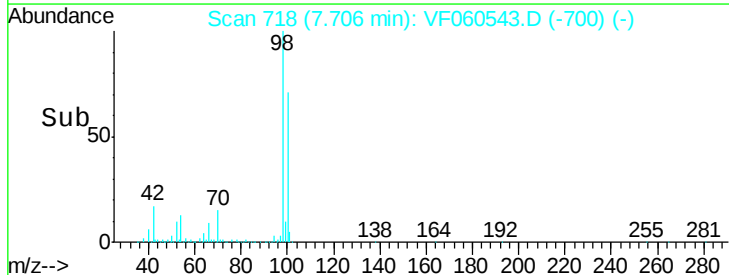
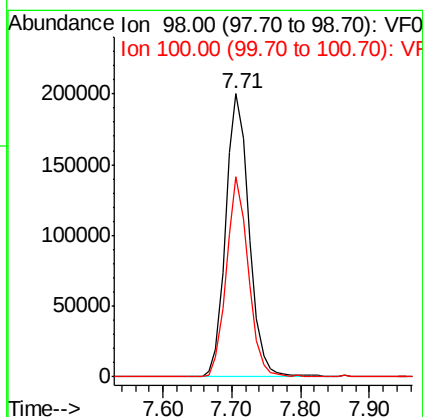
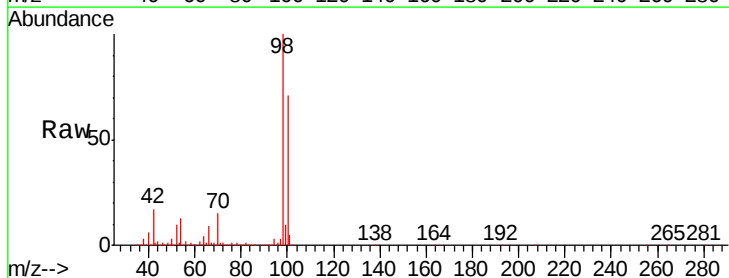
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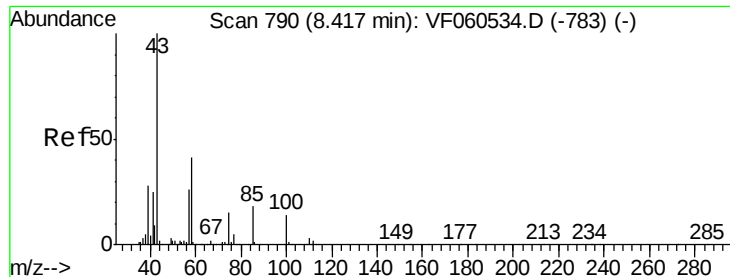
apatel
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#50
Toluene-d8
Concen: 53.57 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 119.05 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 43 Resp: 158180

Ion Ratio Lower Upper

43 100

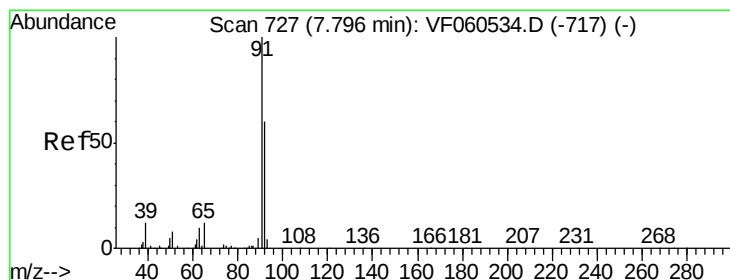
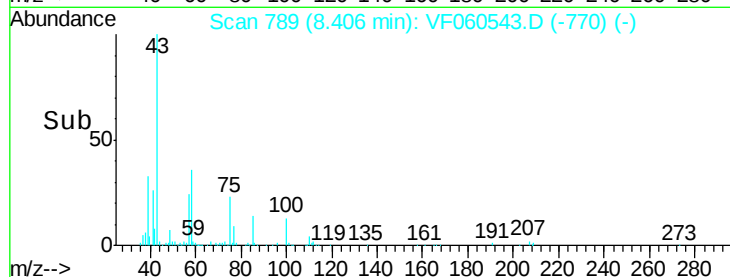
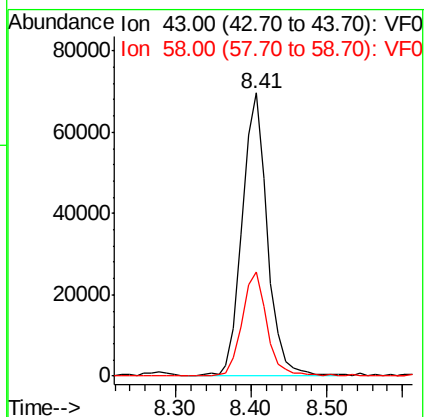
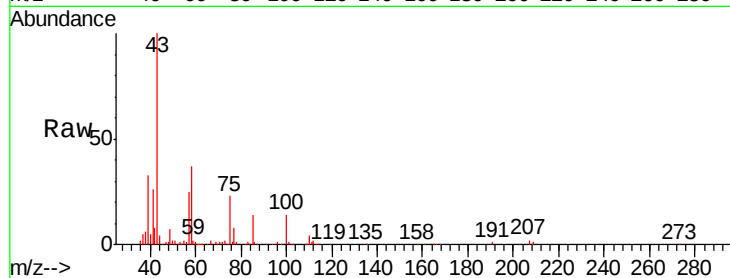
58 36.6 32.6 49.0

Manual Integrations

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#52

Toluene

Concen: 21.95 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060543.D

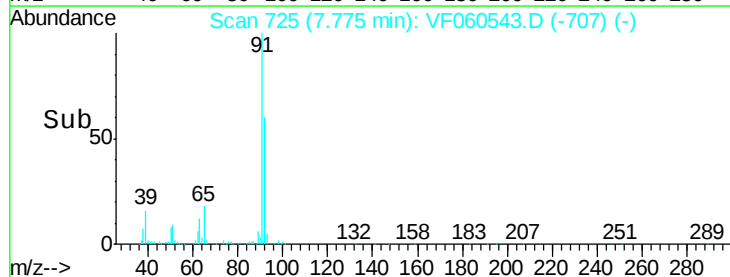
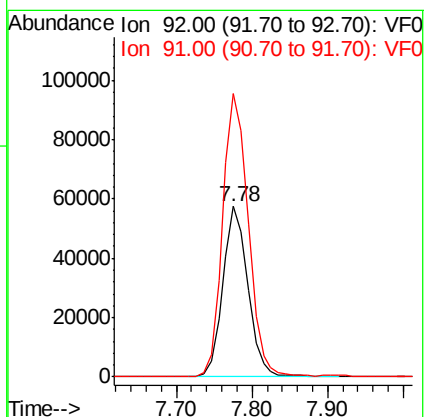
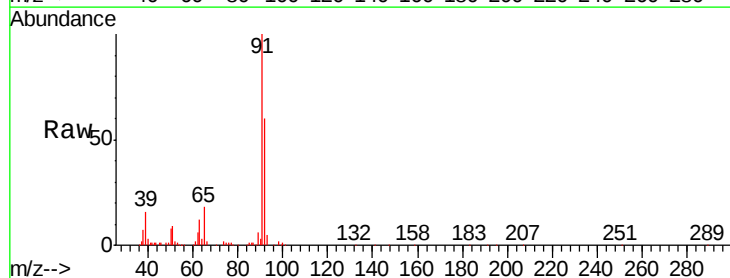
Acq: 30 Oct 2018 13:57

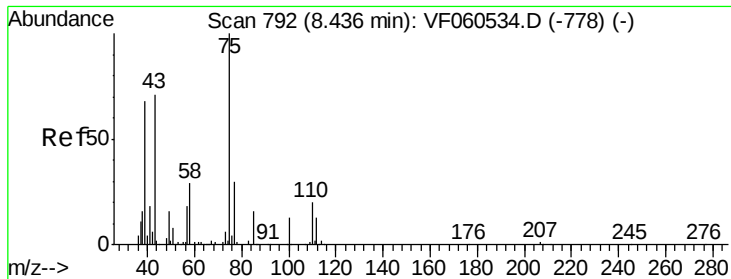
Tgt Ion: 92 Resp: 132289

Ion Ratio Lower Upper

92 100

91 166.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 24.72 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 75 Resp: 90158

Ion Ratio Lower Upper

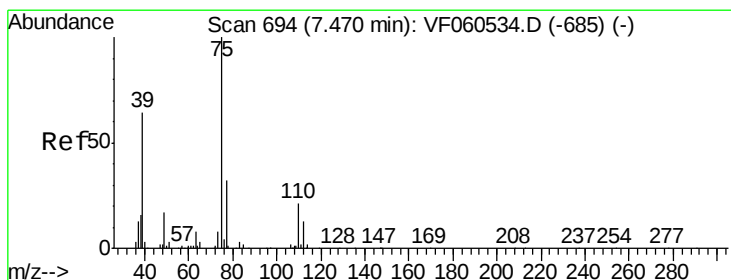
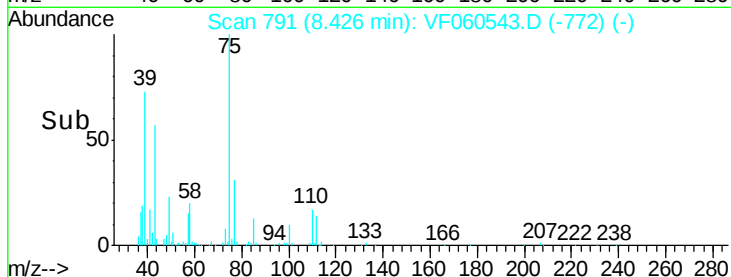
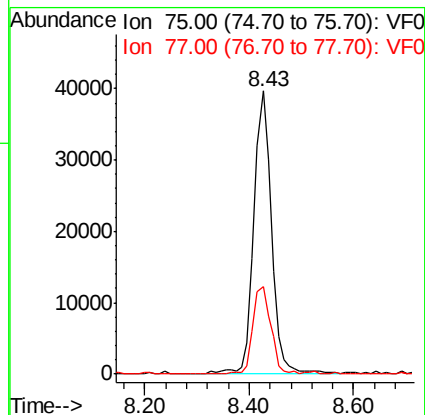
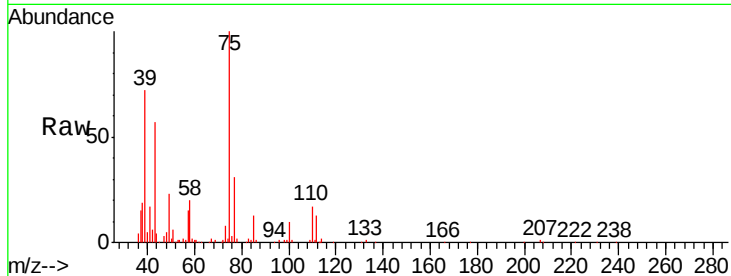
75 100

77 30.9 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 22.52 ug/l

RT: 7.46 min Scan# 693

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

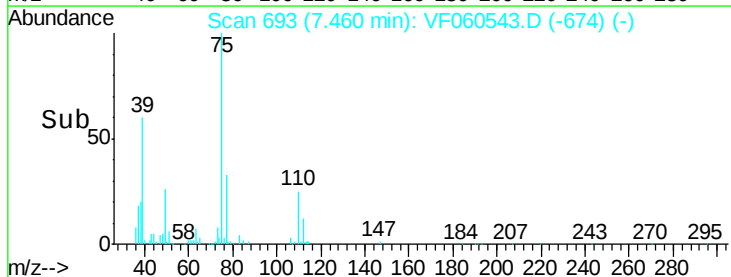
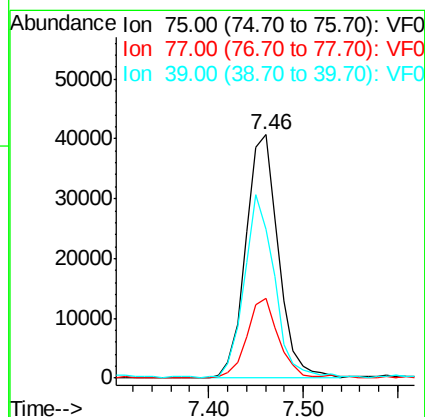
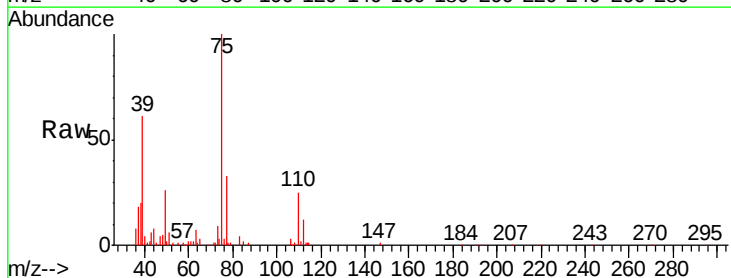
Tgt Ion: 75 Resp: 97327

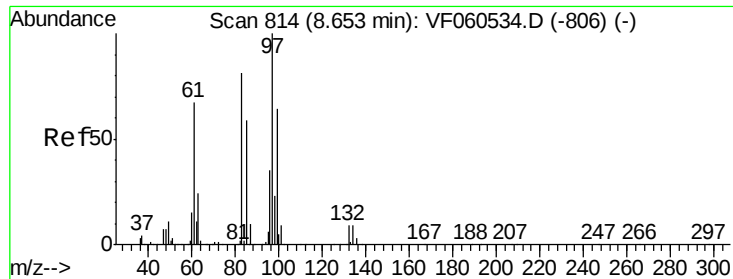
Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

39 61.0 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 22.16 ug/l

RT: 8.64 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

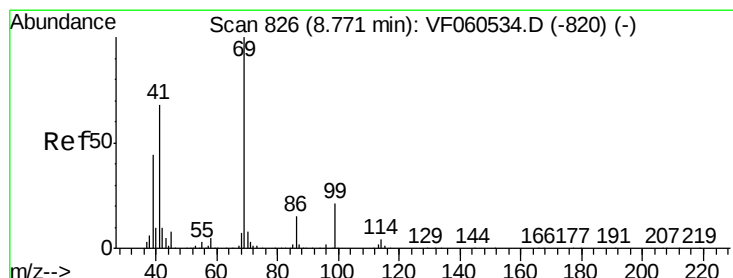
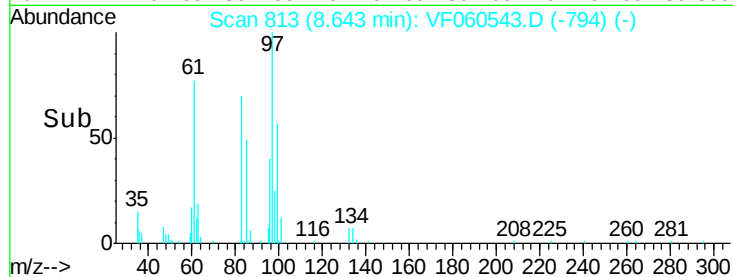
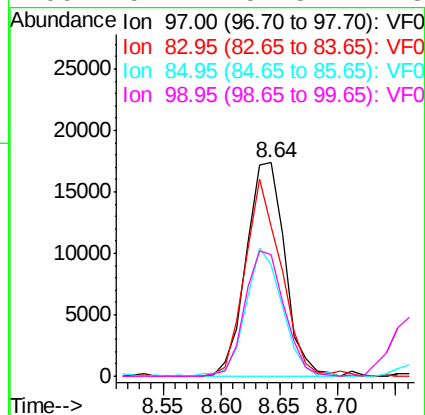
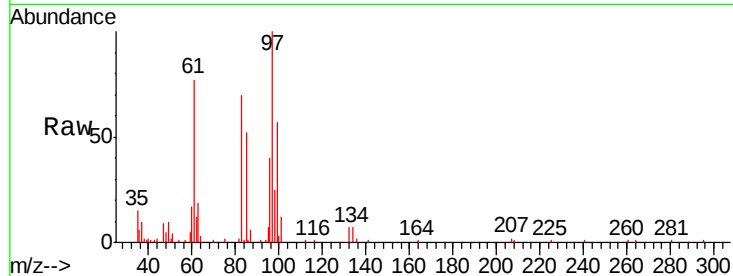
ClientSampleId :

VF1030SBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40027		
83	70.3	65.3	97.9		
85	52.0	47.6	71.4		
99	57.2	51.5	77.3		

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#56

Ethyl methacrylate

Concen: 22.98 ug/l

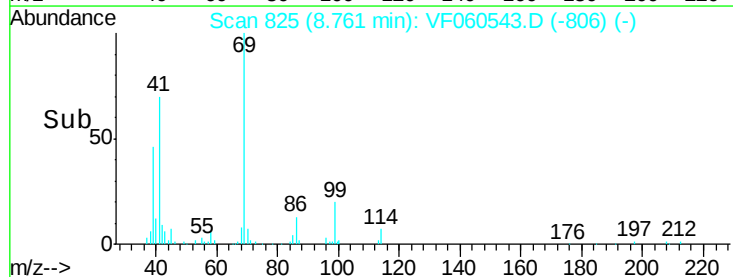
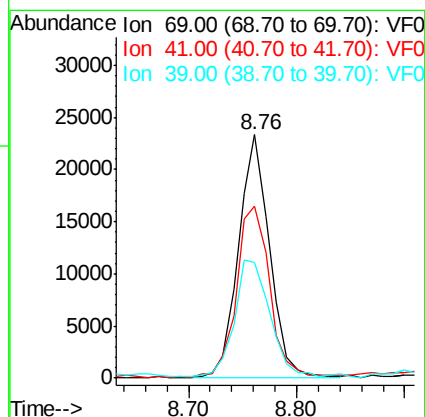
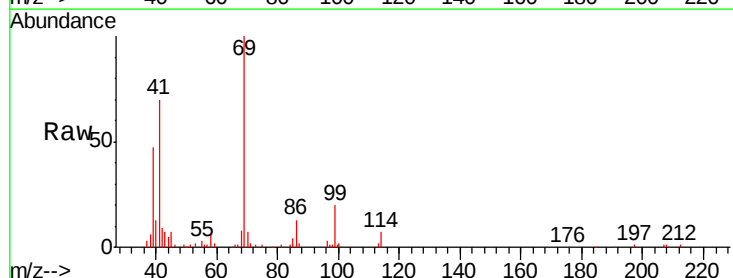
RT: 8.76 min Scan# 825

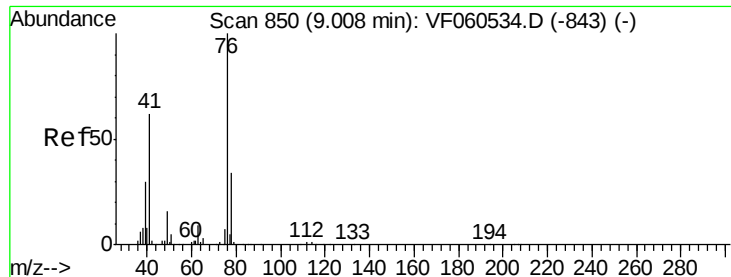
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		46569		
41	70.4	55.0	82.6		
39	47.4	35.1	52.7		





#57

1,3-Dichloropropane

Concen: 21.77 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBSD01

Tgt Ion: 76 Resp: 66530

Ion Ratio Lower Upper

76 100

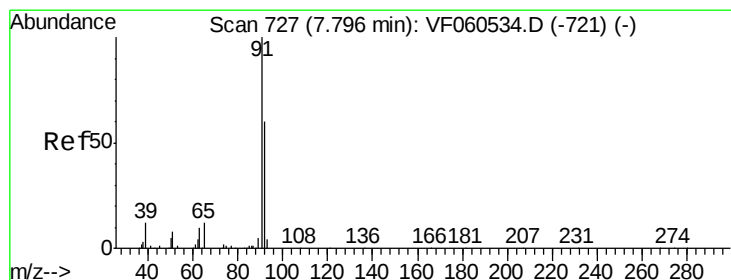
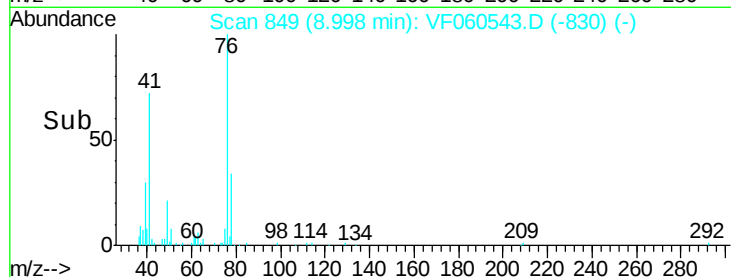
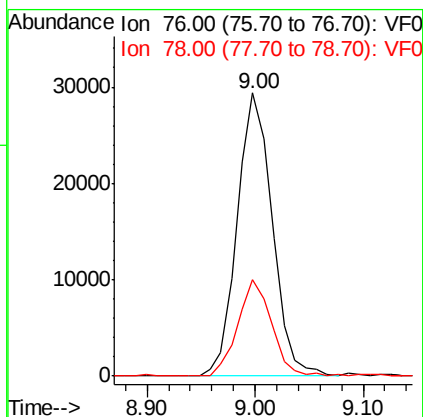
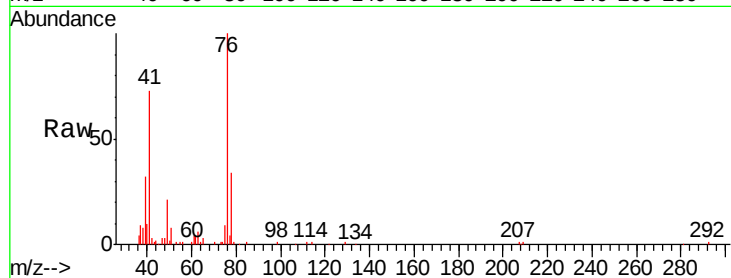
78 34.1 27.3 40.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 125.82 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060543.D

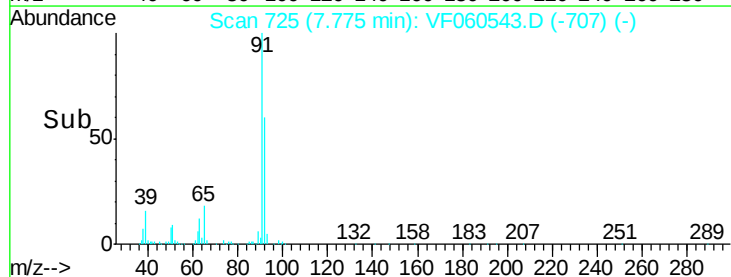
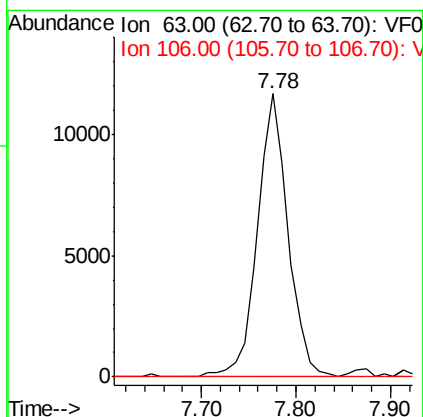
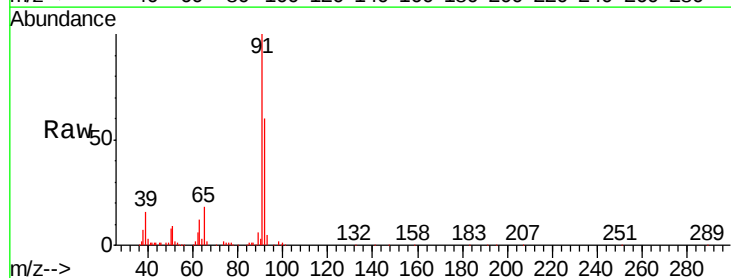
Acq: 30 Oct 2018 13:57

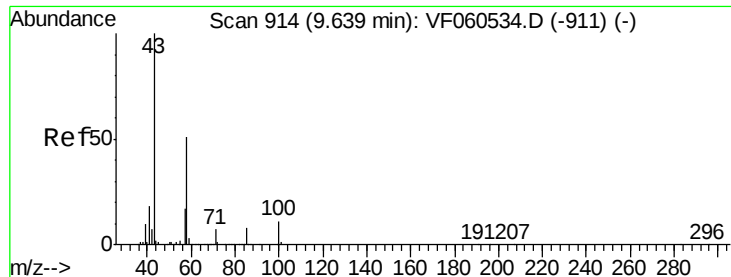
Tgt Ion: 63 Resp: 26277

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





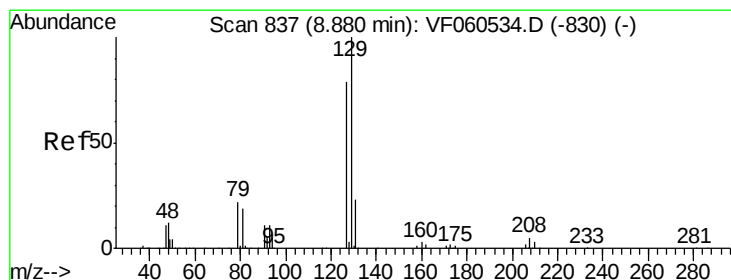
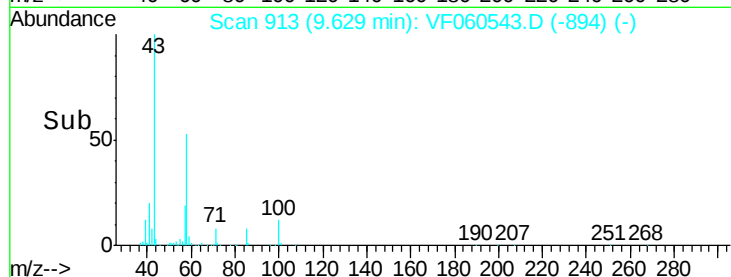
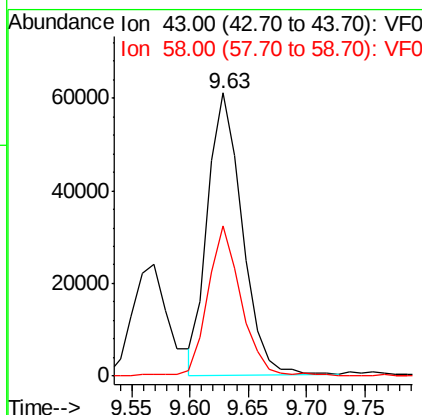
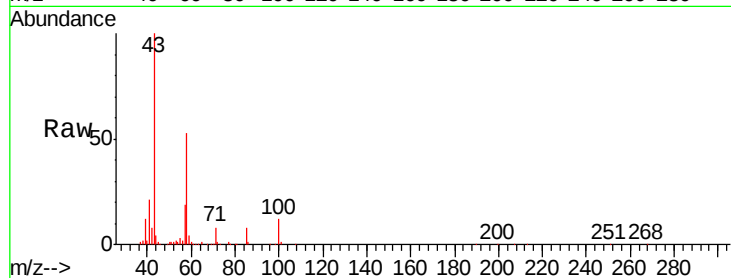
#59
2-Hexanone
Concen: 122.50 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 43 Resp: 124517
Ion Ratio Lower Upper
43 100
58 52.9 24.1 72.3

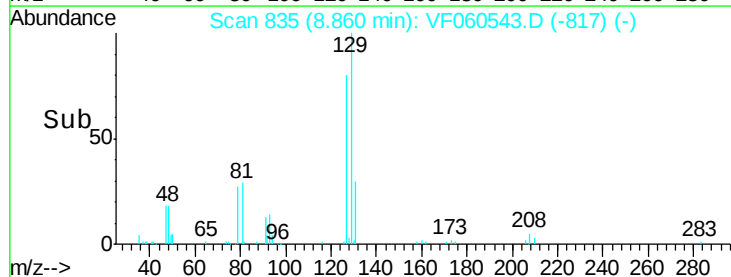
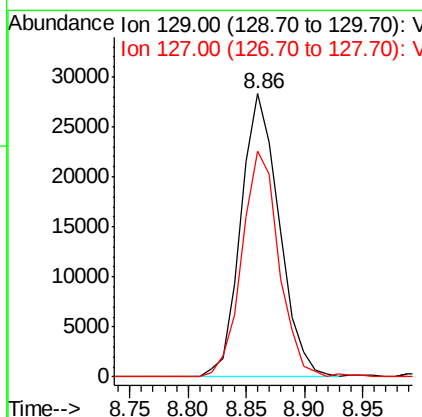
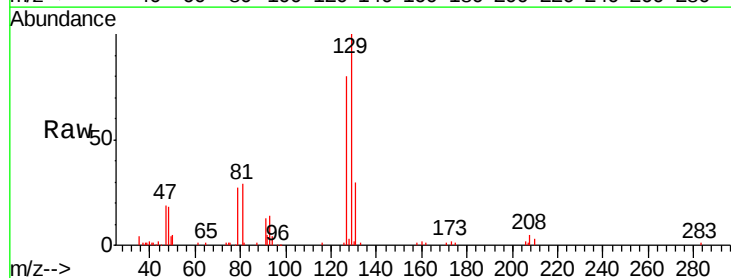
Manual Integrations
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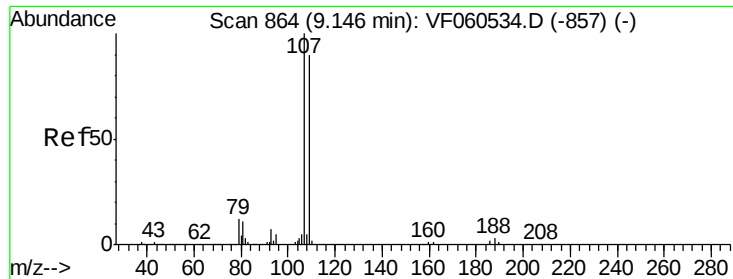
apatel
10/31/2018 10:25:01 AM



#60
Dibromochloromethane
Concen: 22.22 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 129 Resp: 64651
Ion Ratio Lower Upper
129 100
127 79.7 39.6 119.0





#61

1,2-Dibromoethane

Concen: 20.03 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 107 Resp: 41875

Ion Ratio Lower Upper

107 100

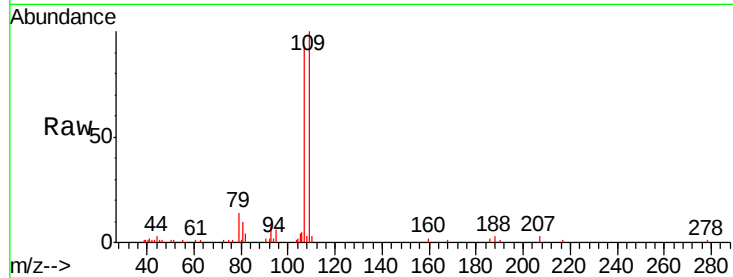
109 107.1 72.2 108.2

Manual Integrations

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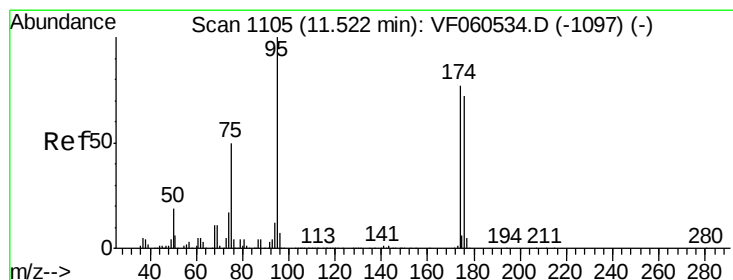
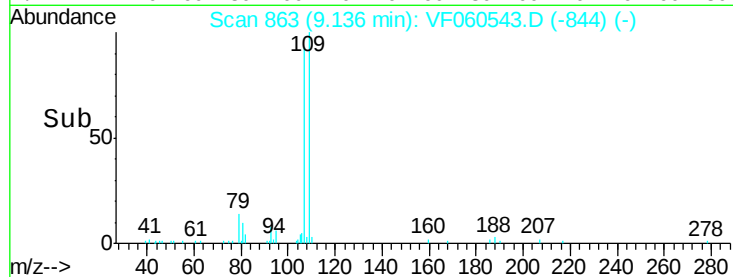
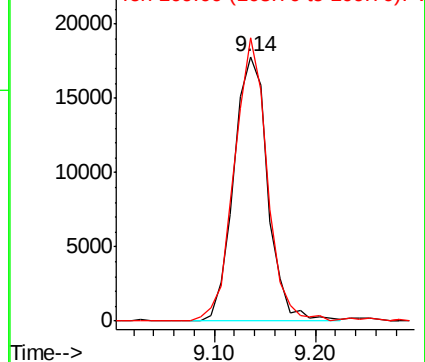
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.73 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

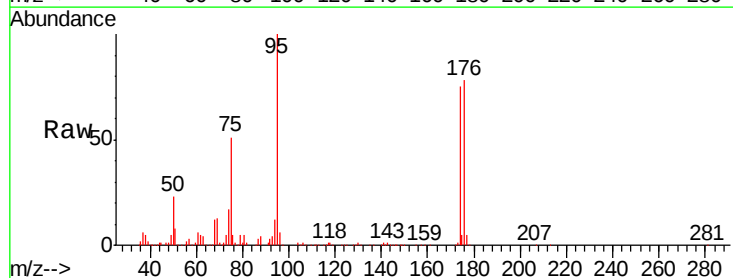
Tgt Ion: 95 Resp: 209853

Ion Ratio Lower Upper

95 100

174 75.2 0.0 153.8

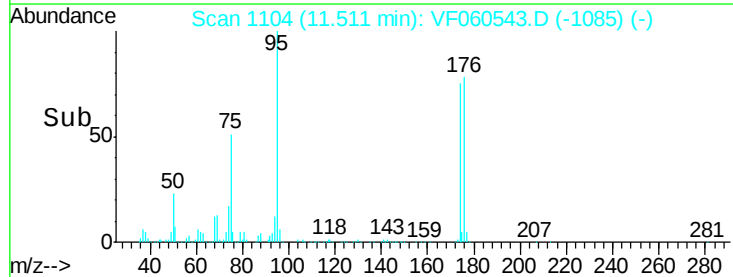
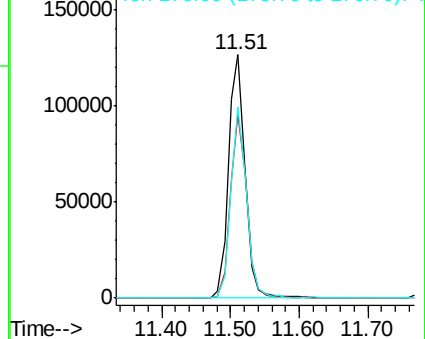
176 78.4 0.0 143.6

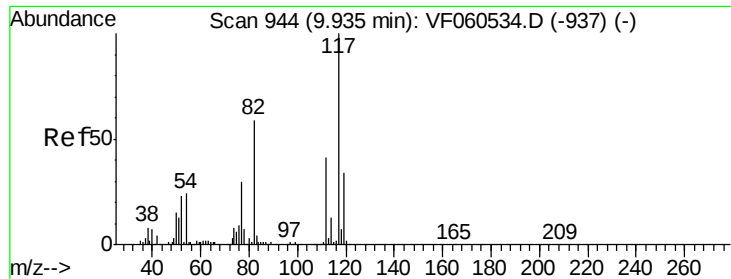


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





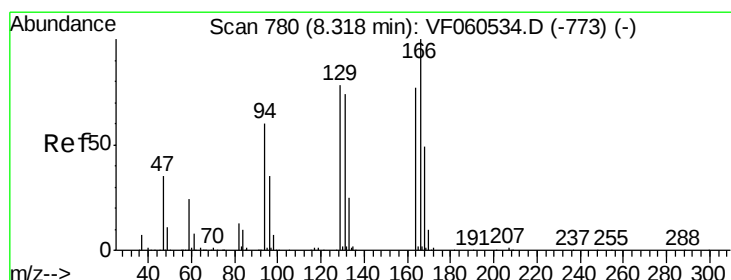
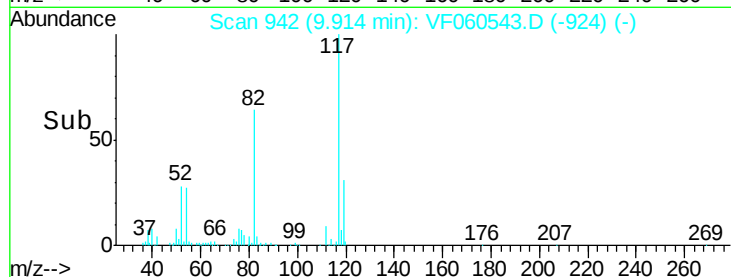
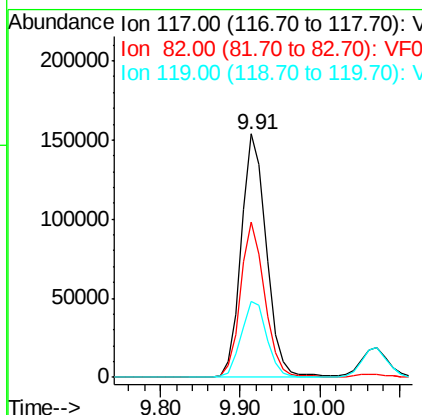
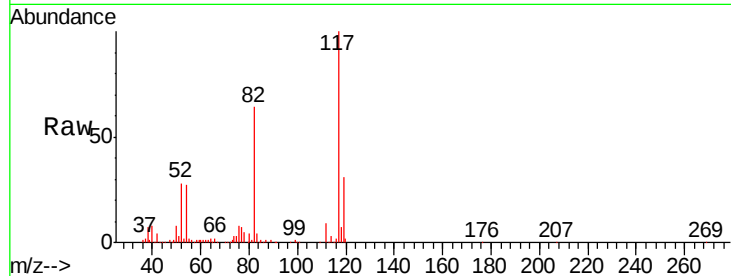
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	335836		
82	63.8	47.6	71.4	
119	31.0	27.3	40.9	

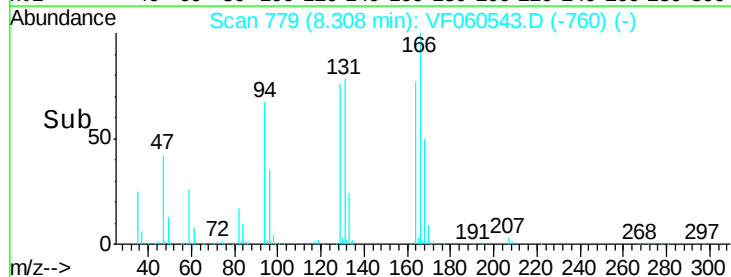
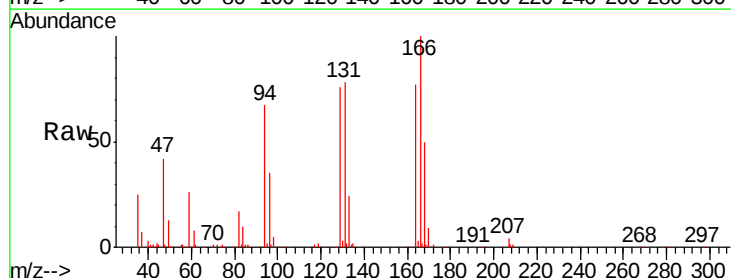
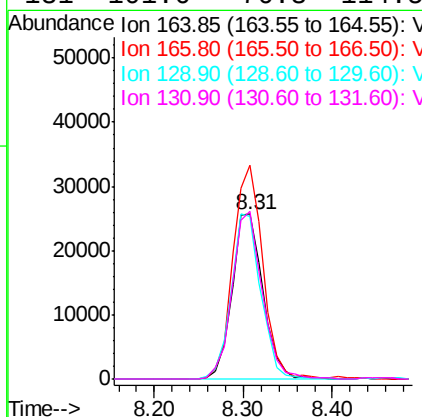
Manual Integrations
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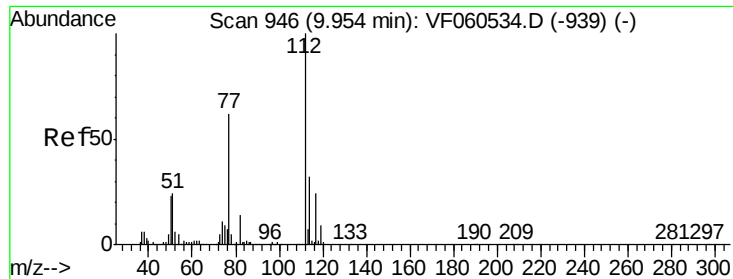
apatel
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#64
Tetrachloroethene
Concen: 21.92 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62234		
166	129.6	103.4	155.2	
129	98.6	80.7	121.1	
131	101.6	76.3	114.5	





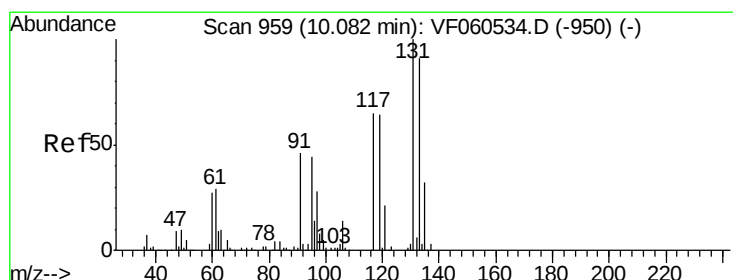
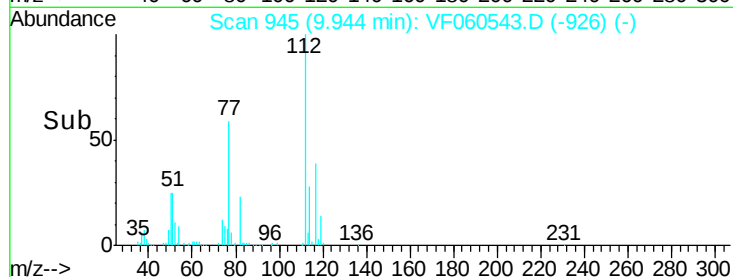
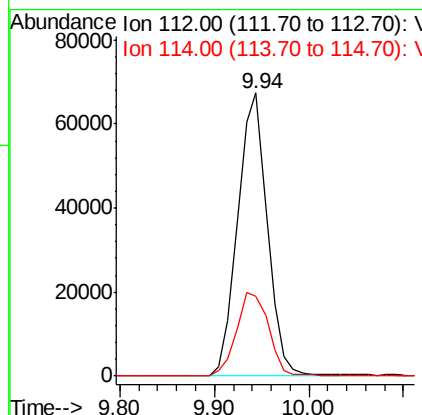
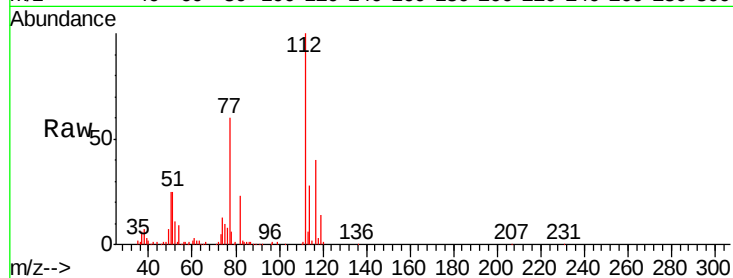
#65
Chlorobenzene
Concen: 21.73 ug/l
RT: 9.94 min Scan# 945
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	146830		
114	28.4	25.5	38.3	

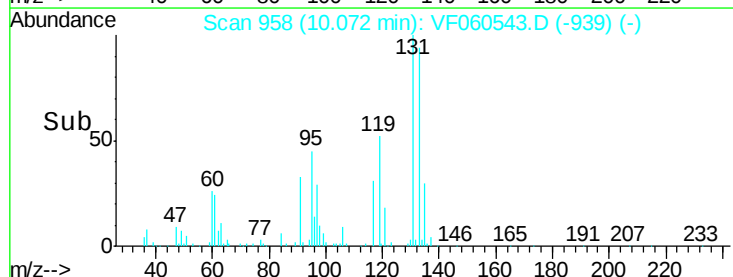
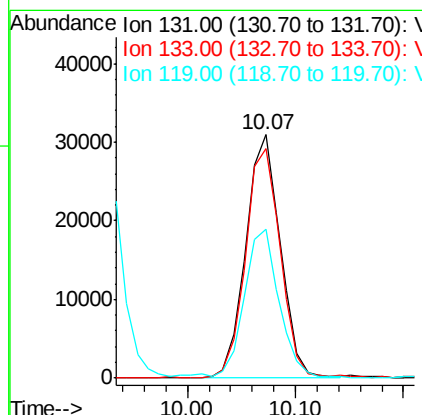
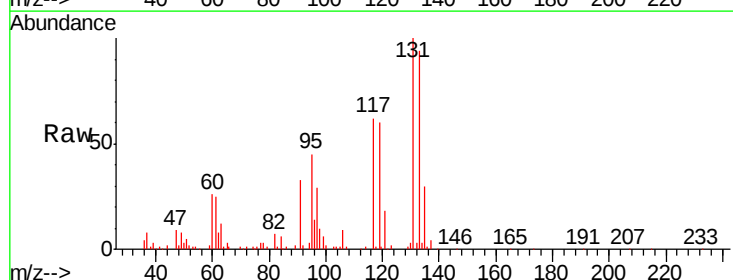
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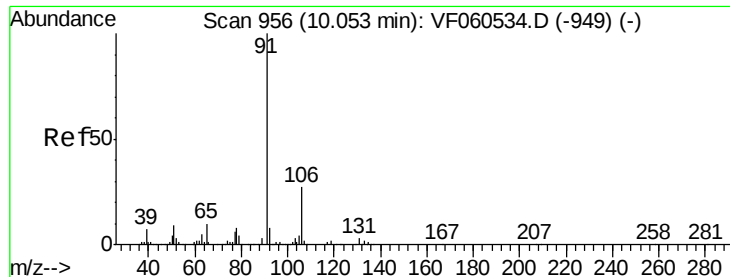
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.36 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	68845		
133	94.1	45.8	137.3	
119	61.1	32.4	97.0	





#67

Ethyl Benzene

Concen: 22.79 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 91 Resp: 294261

Ion Ratio Lower Upper

91 100

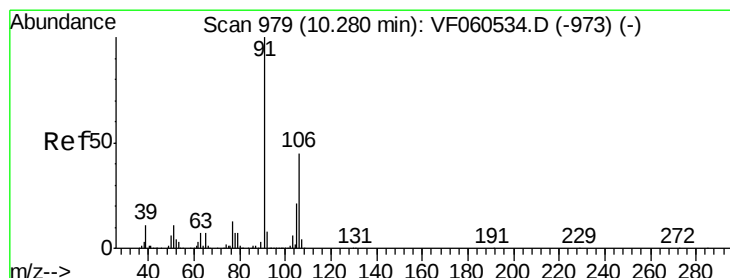
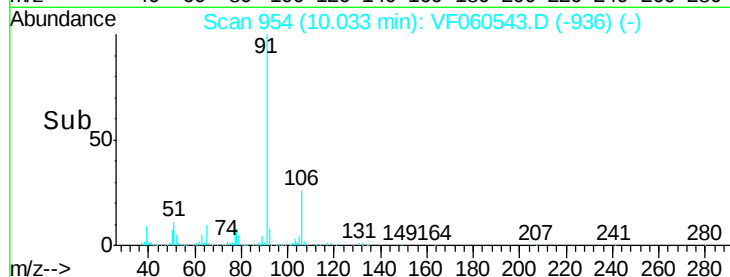
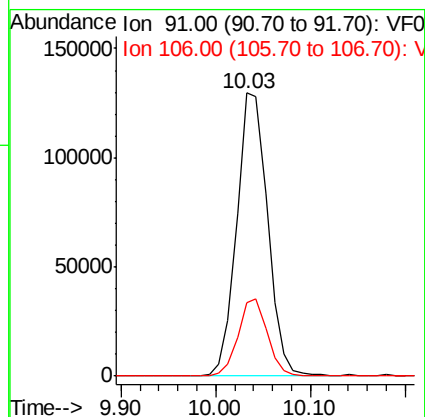
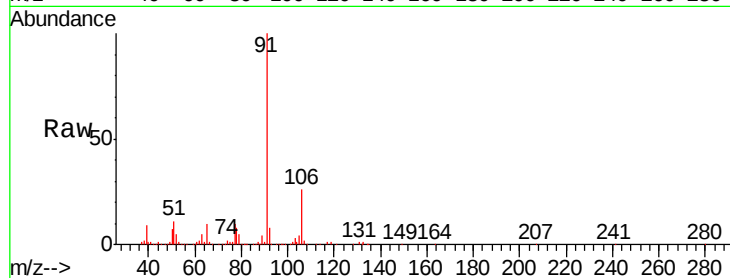
106 25.8 21.9 32.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.08 ug/l

RT: 10.27 min Scan# 978

Delta R.T. -0.01 min

Lab File: VF060543.D

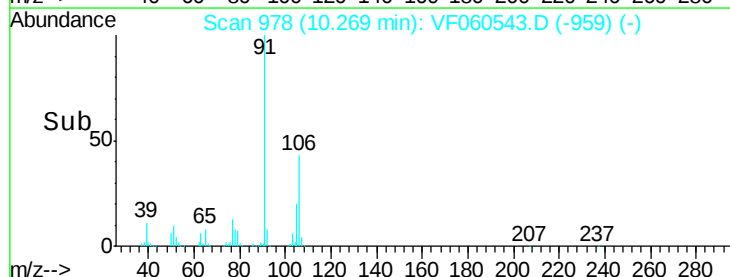
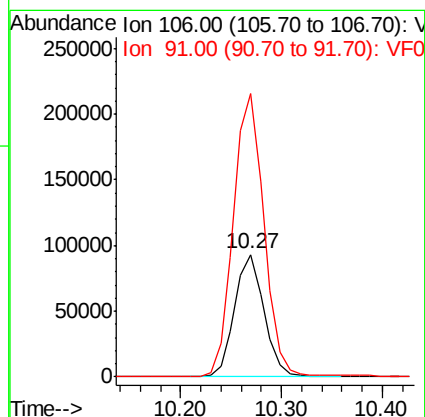
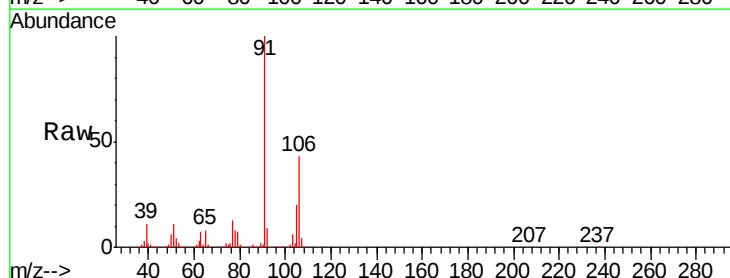
Acq: 30 Oct 2018 13:57

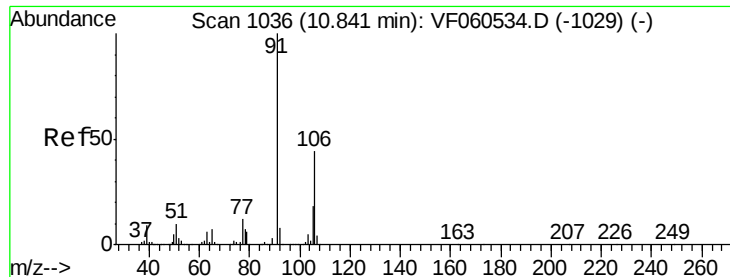
Tgt Ion: 106 Resp: 189951

Ion Ratio Lower Upper

106 100

91 231.6 176.2 264.2





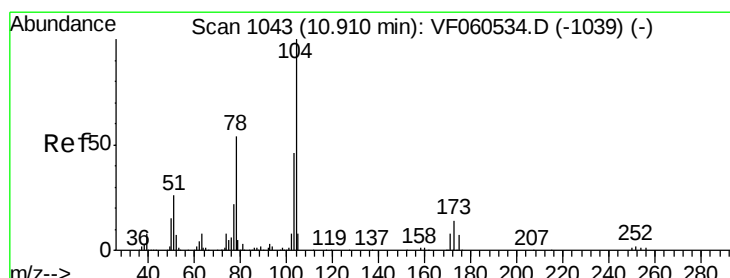
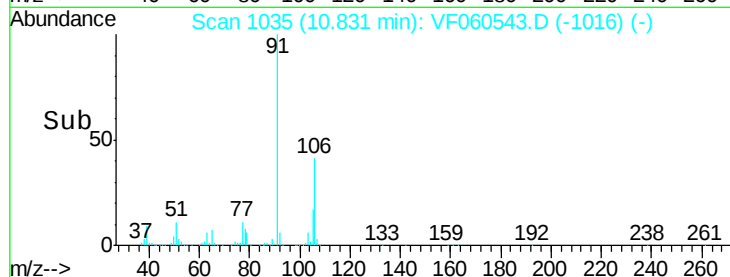
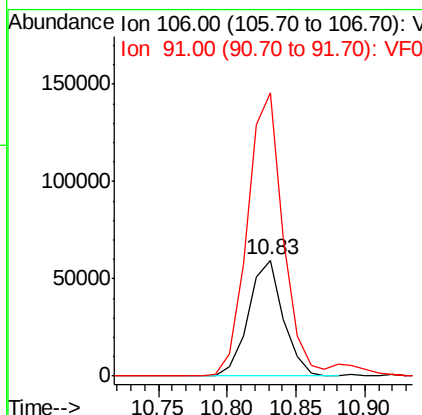
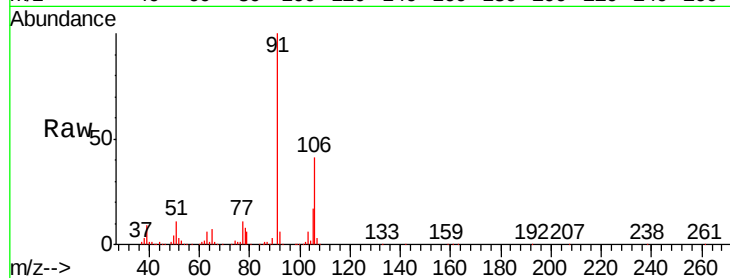
#69
o-Xylene
Concen: 21.24 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	244.2	112.9	338.8

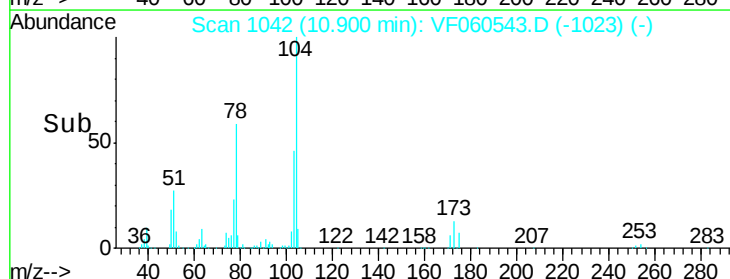
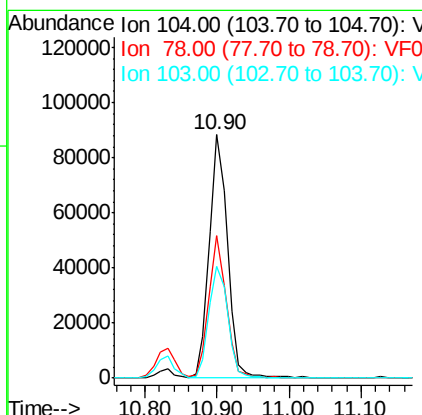
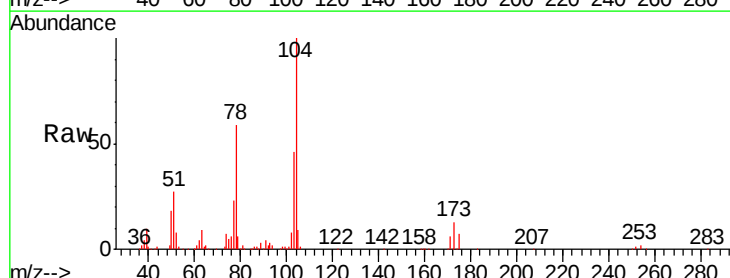
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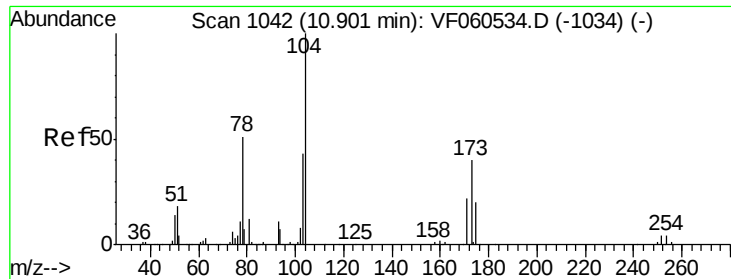
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#70
Styrene
Concen: 22.14 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	58.8	43.4	65.2
103	45.8	36.9	55.3





#71

Bromoform

Concen: 22.06 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

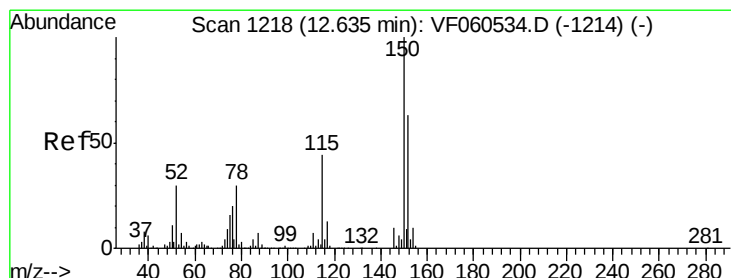
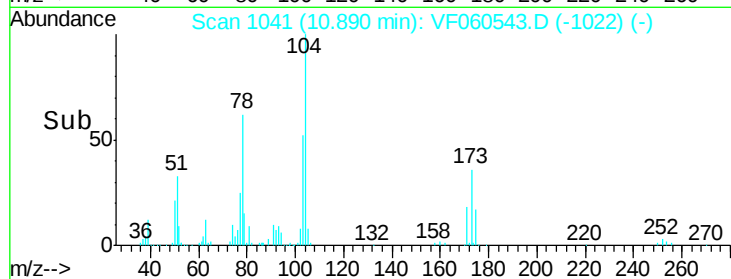
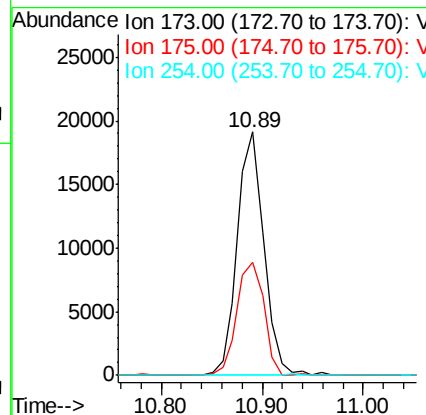
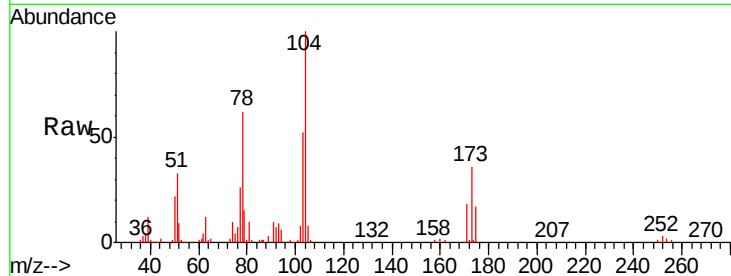
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	25.7	77.0
254	0.0	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

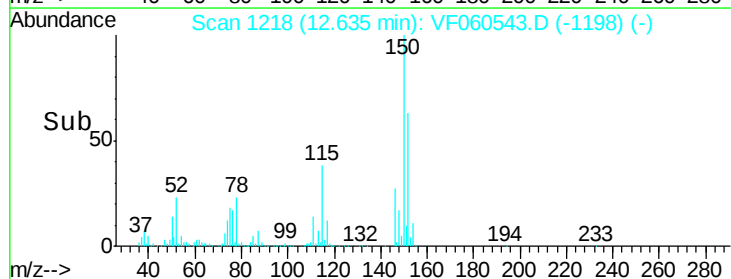
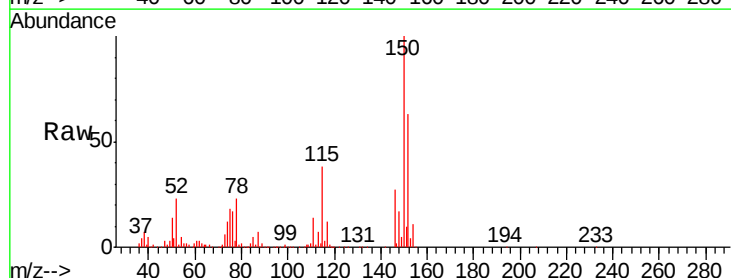
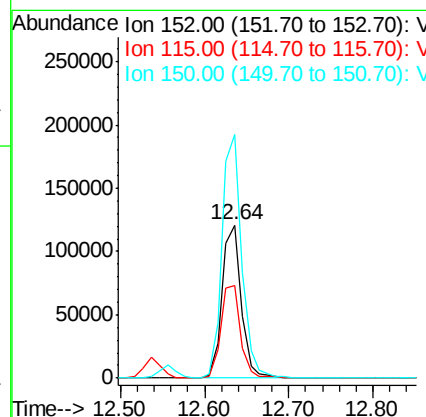
RT: 12.64 min Scan# 1218

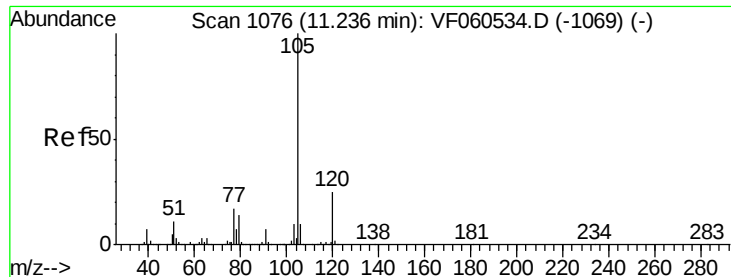
Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	34.7	104.1
150	159.2	0.0	318.4





#73

Isopropylbenzene

Concen: 21.71 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 105 Resp: 318631

Ion Ratio Lower Upper

105 100

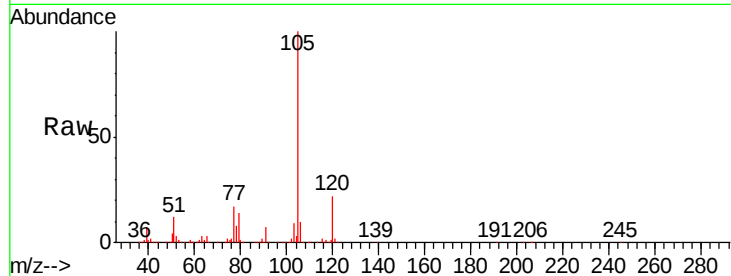
120 22.3 12.3 36.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

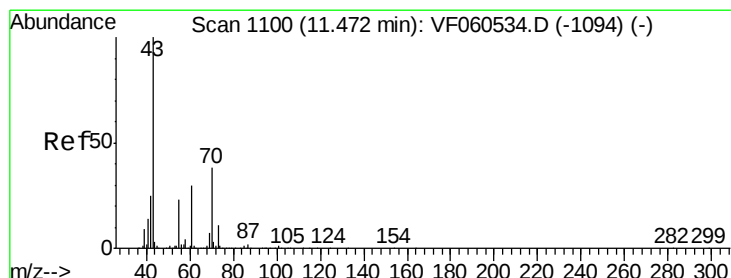
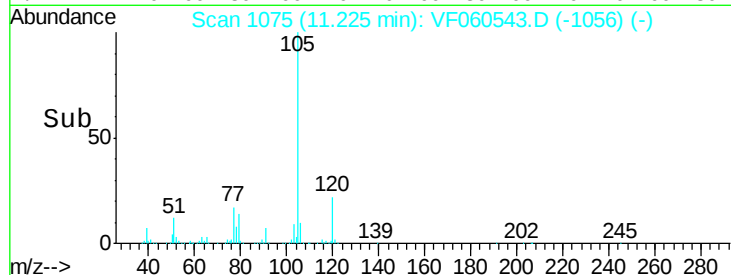
100000

50000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 24.62 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion: 43 Resp: 72376

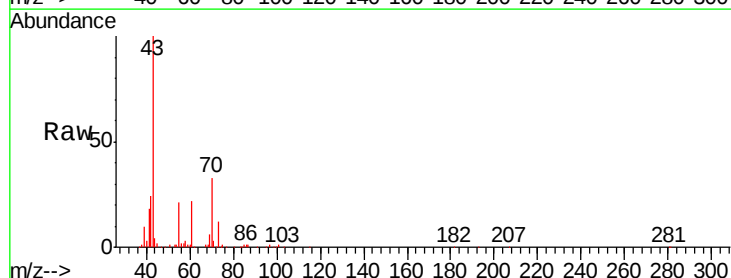
Ion Ratio Lower Upper

43 100

70 32.8 30.8 46.2

55 20.8 18.2 27.4

61 22.3 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

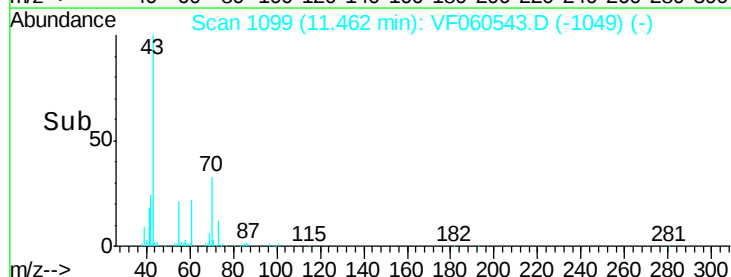
40000

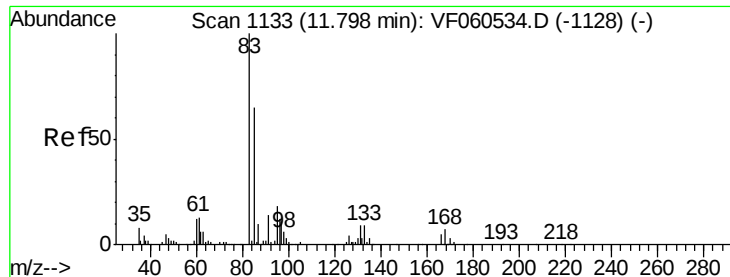
20000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.04 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

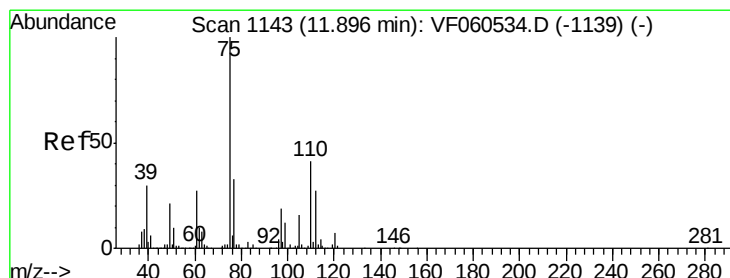
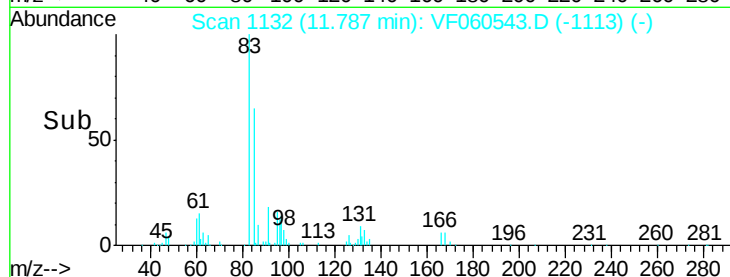
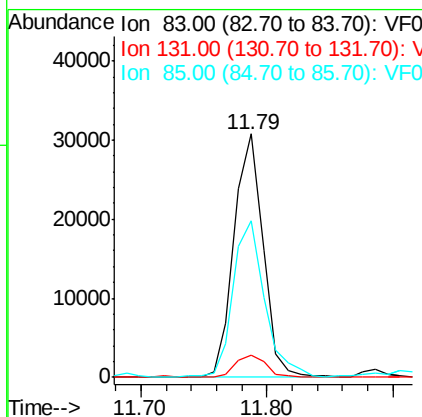
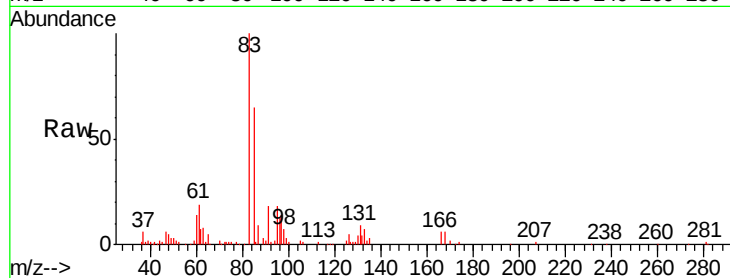
ClientSampleId :

VF1030SBS01

Tgt Ion:	83	Resp:	49093
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	64.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.54 ug/l

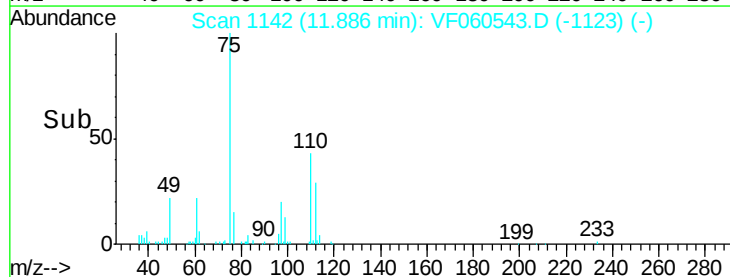
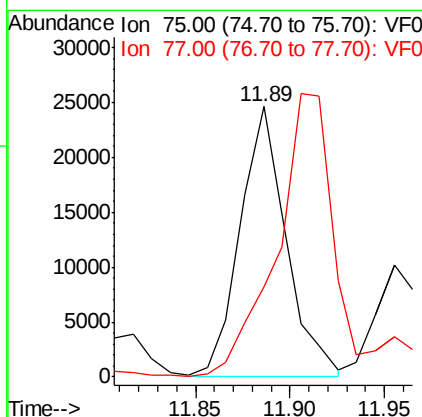
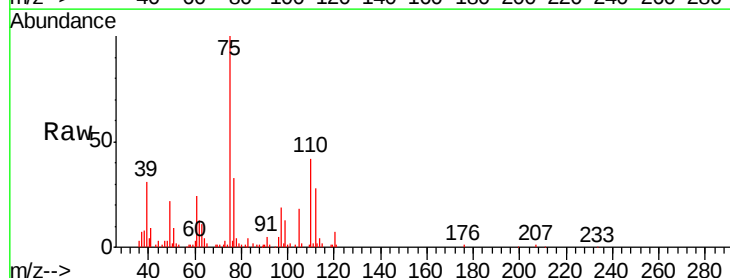
RT: 11.89 min Scan# 1142

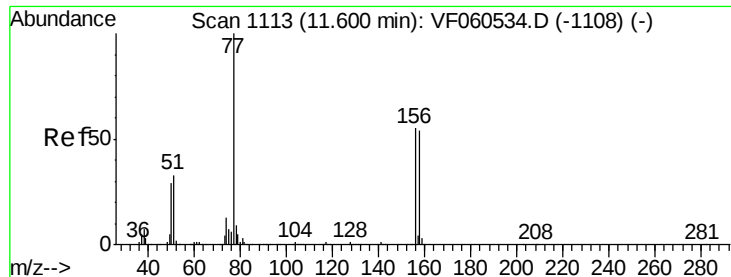
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	75	Resp:	41535
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.7	50.1





#77

Bromobenzene

Concen: 22.21 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

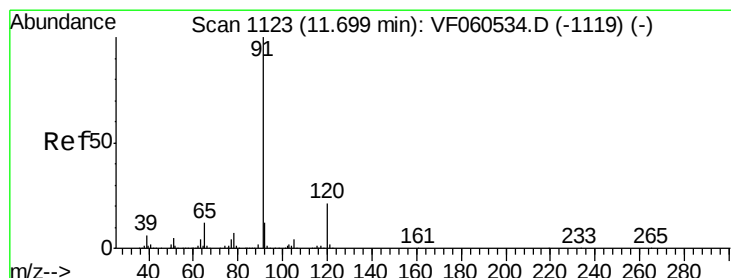
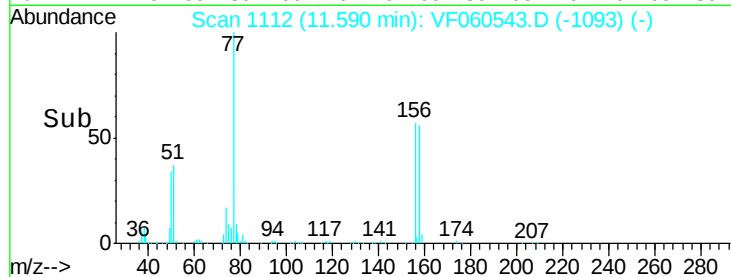
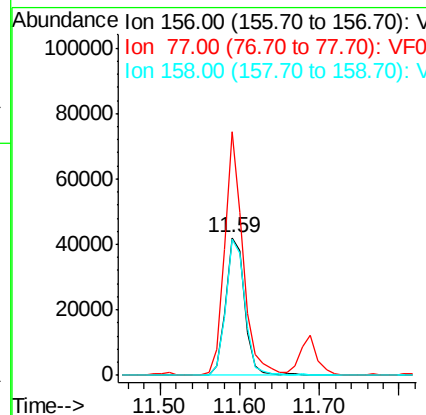
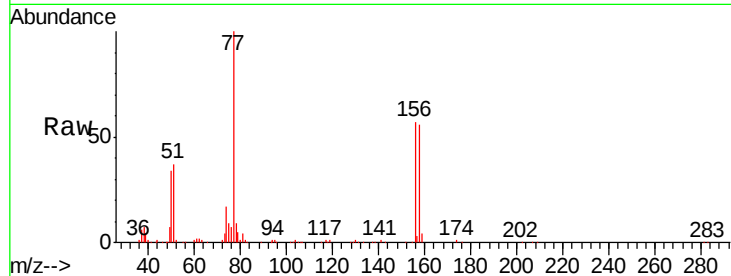
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	176.5	91.3	274.1
158	98.8	49.3	147.9

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#78

n-propylbenzene

Concen: 23.24 ug/l

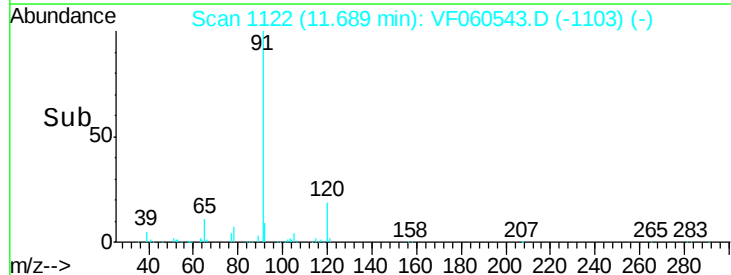
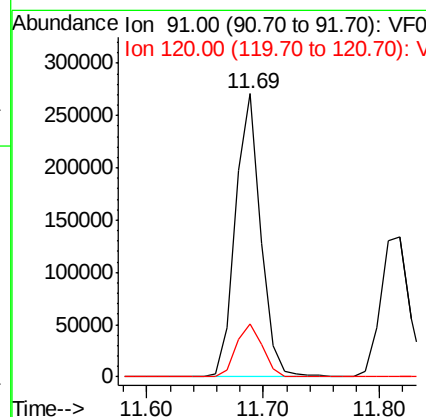
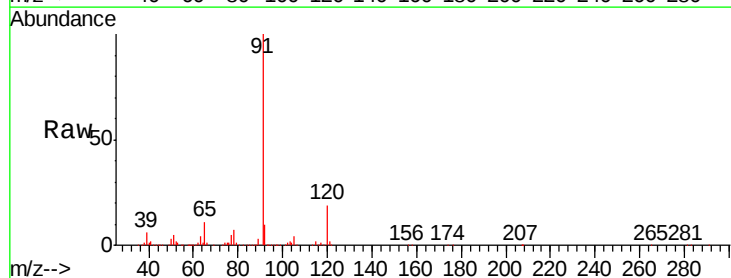
RT: 11.69 min Scan# 1122

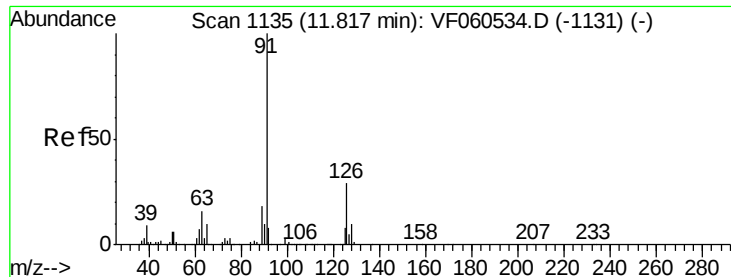
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.9	10.7	32.1





#79

2-Chlorotoluene

Concen: 21.79 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 91 Resp: 227081

Ion Ratio Lower Upper

91 100

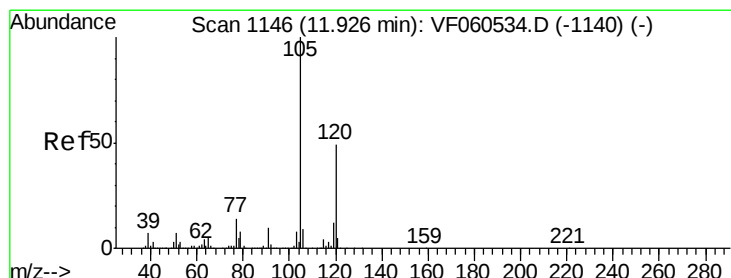
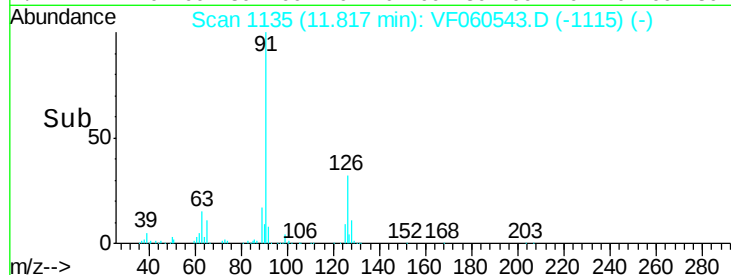
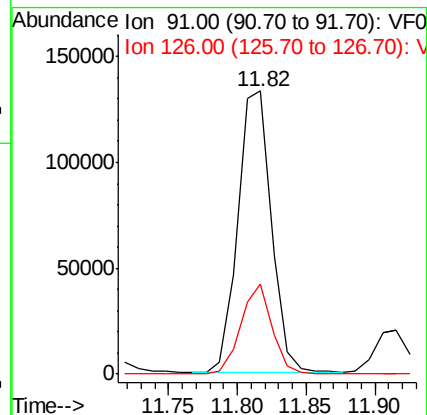
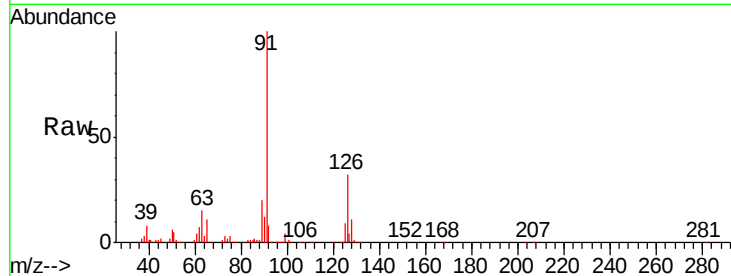
126 31.9 14.2 42.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.61 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF060543.D

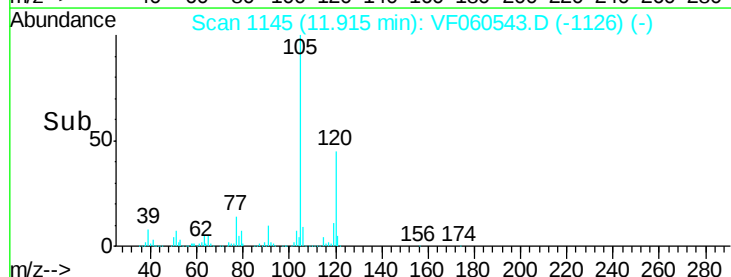
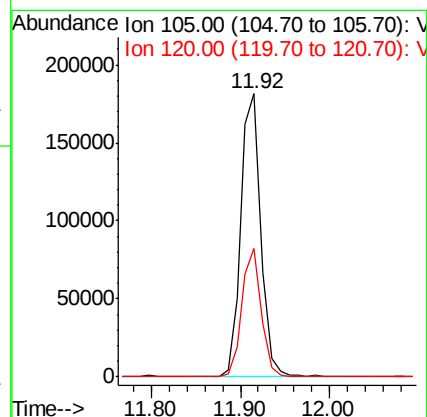
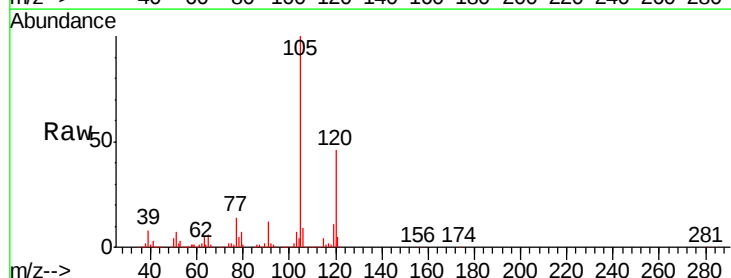
Acq: 30 Oct 2018 13:57

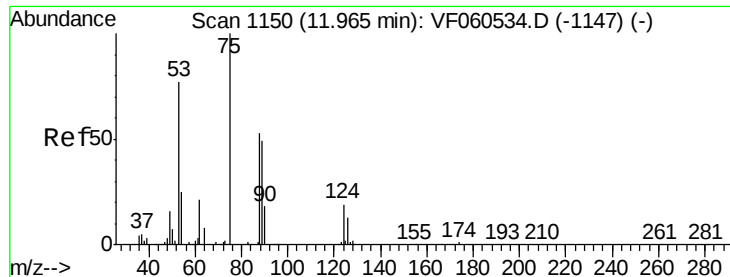
Tgt Ion: 105 Resp: 286816

Ion Ratio Lower Upper

105 100

120 45.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.64 ug/l m

RT: 11.95 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

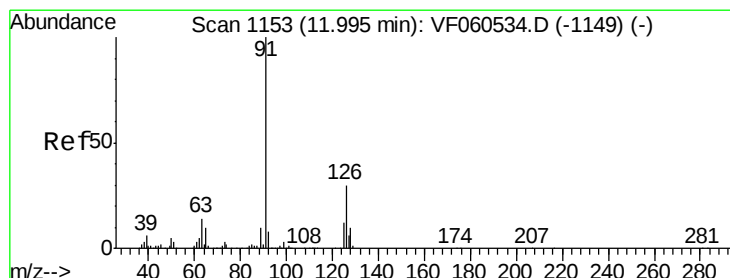
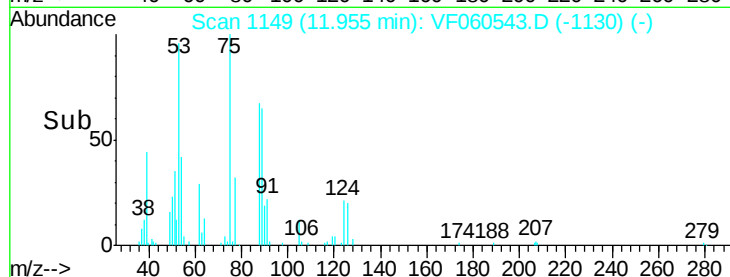
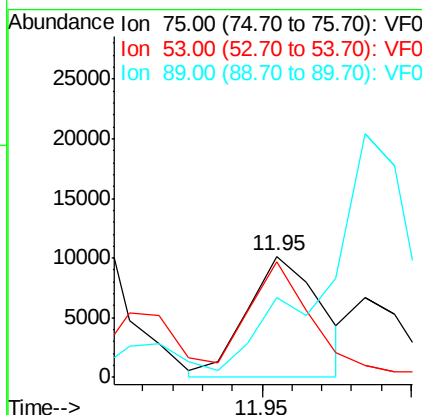
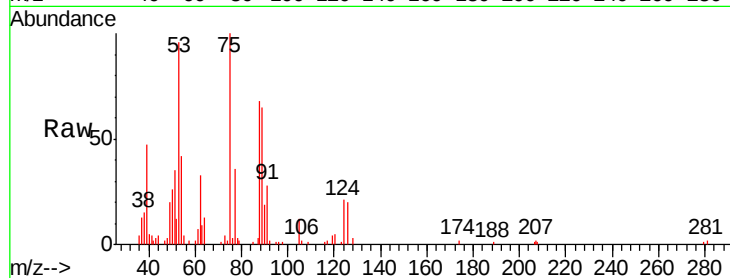
ClientSampleId :

VF1030SBSD01

Tgt Ion:	75	Resp:	17418
Ion Ratio	Lower	Upper	
75	100		
53	95.6	65.8	98.6
89	65.4	44.0	66.0

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#82

4-Chlorotoluene

Concen: 23.03 ug/l

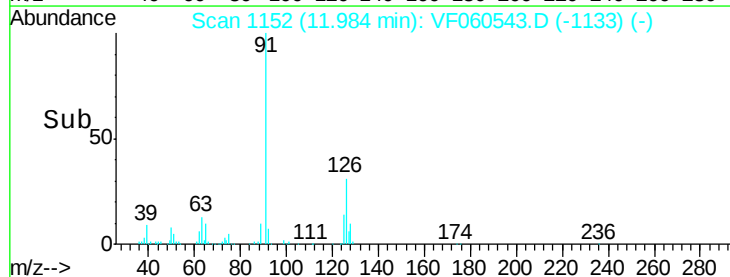
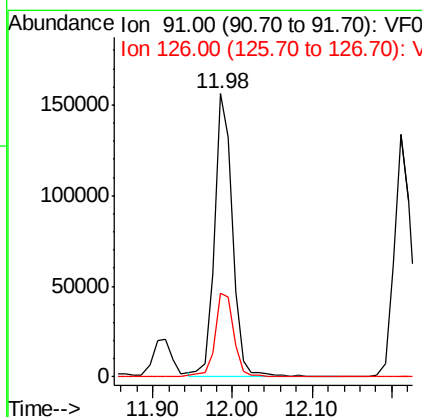
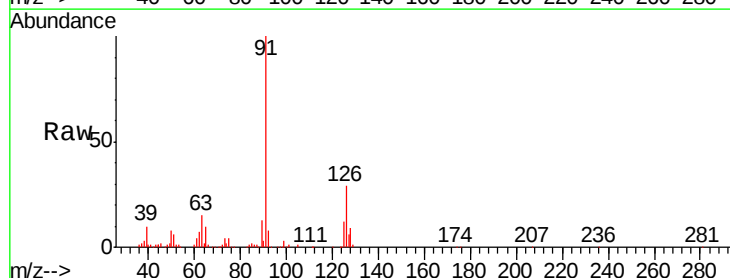
RT: 11.98 min Scan# 1152

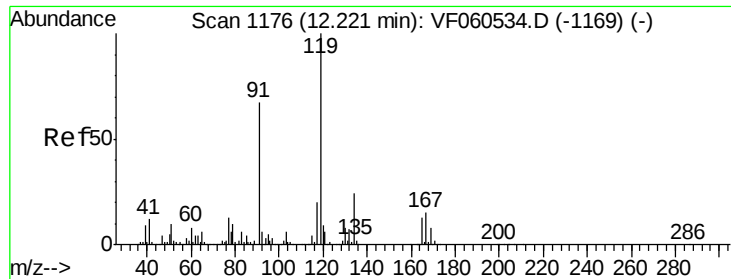
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	91	Resp:	248771
Ion Ratio	Lower	Upper	
91	100		
126	29.5	15.1	45.3





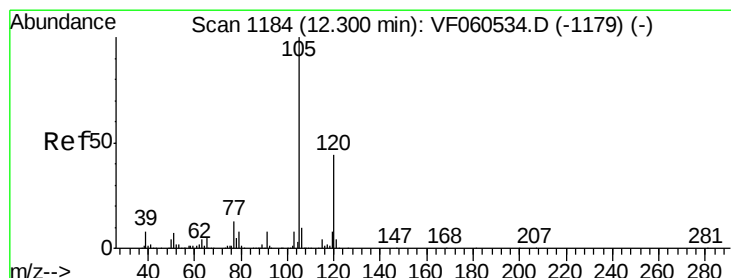
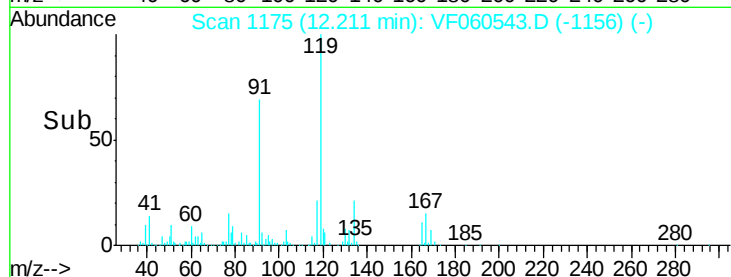
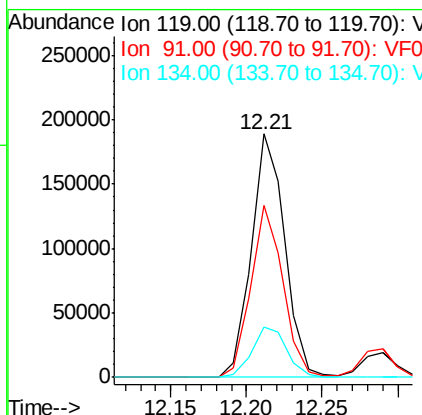
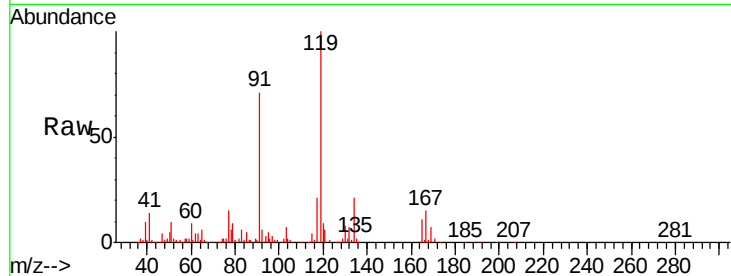
#83
 tert-Butylbenzene
 Concen: 23.63 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	290373		
91	70.6	33.6	100.8	
134	20.8	12.0	36.0	

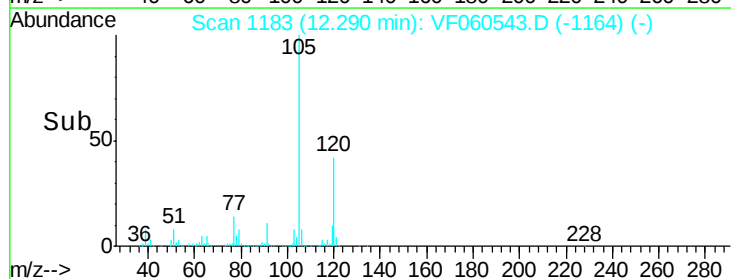
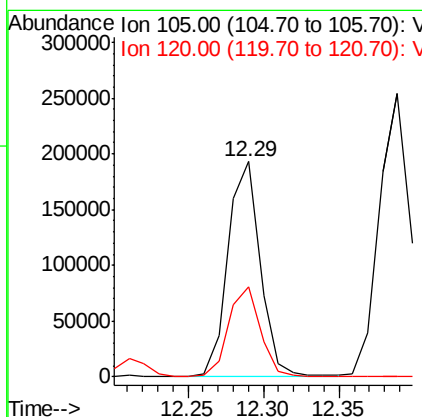
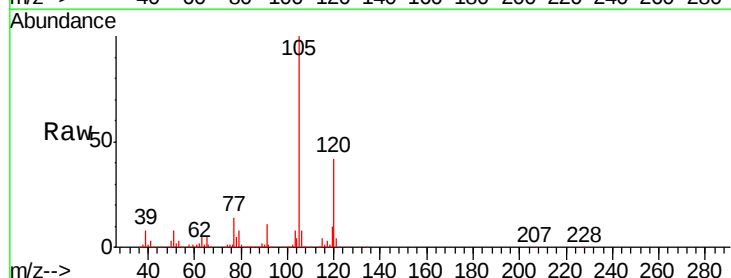
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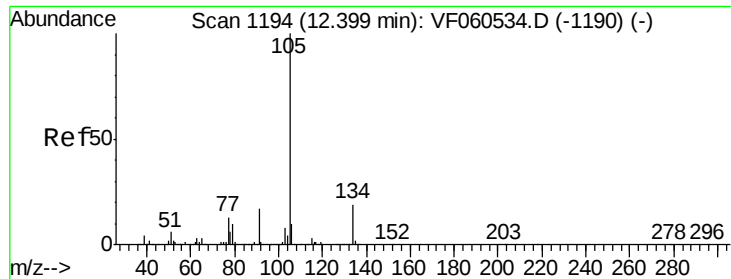
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.30 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287251		
120	42.0	22.0	66.0	





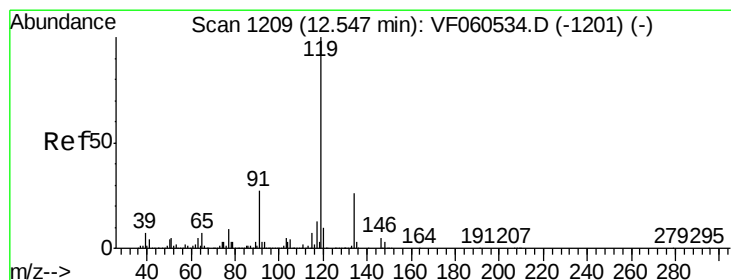
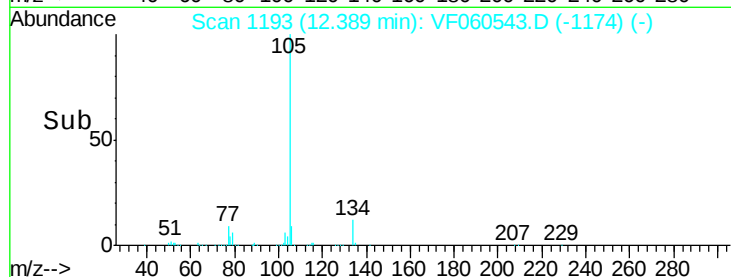
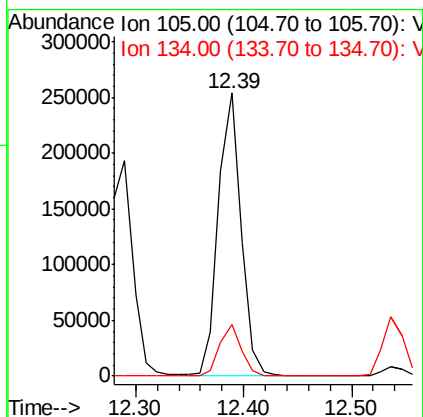
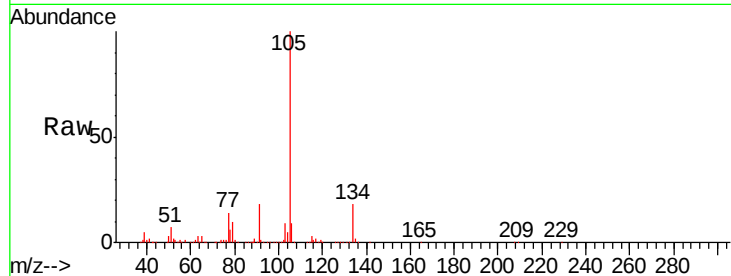
#85
 sec-Butylbenzene
 Concen: 21.58 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	371781		
134	18.2	9.6	28.6	

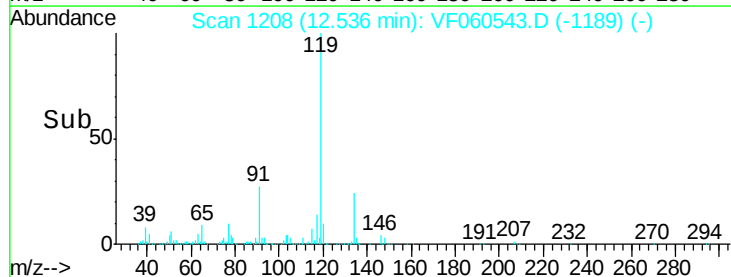
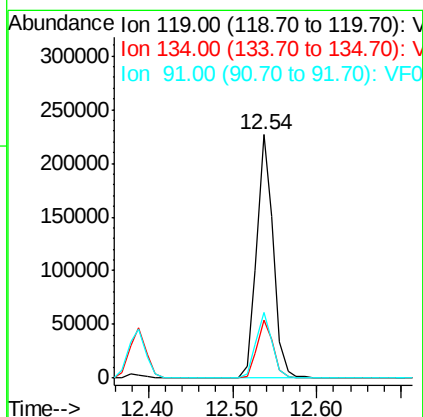
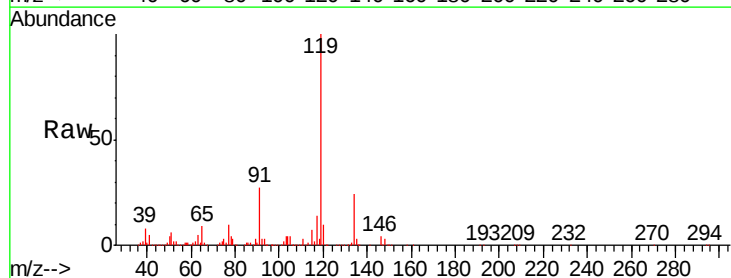
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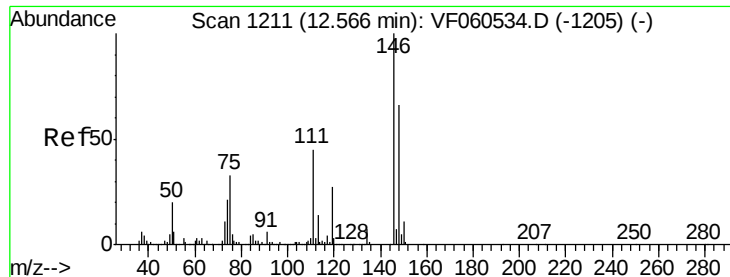
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#86
 p-Isopropyltoluene
 Concen: 22.43 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	317050		
134	23.6	13.1	39.1	
91	26.9	13.5	40.4	





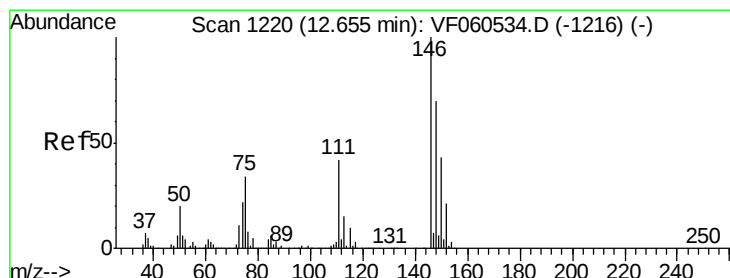
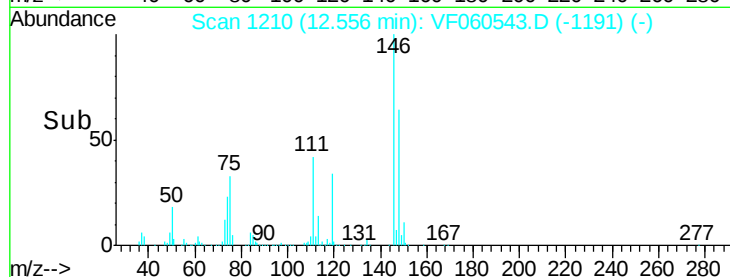
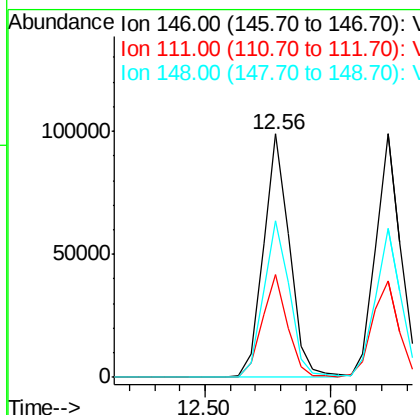
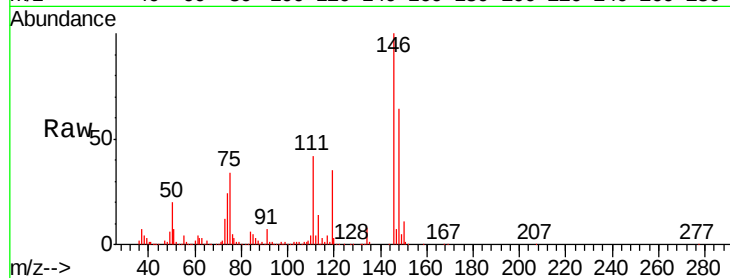
#87
 1,3-Dichlorobenzene
 Concen: 22.03 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.6	67.7
148	64.1	33.1	99.3

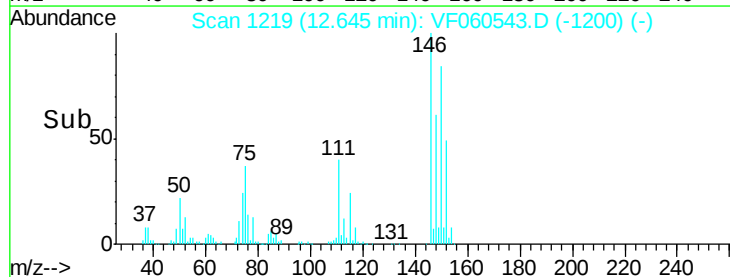
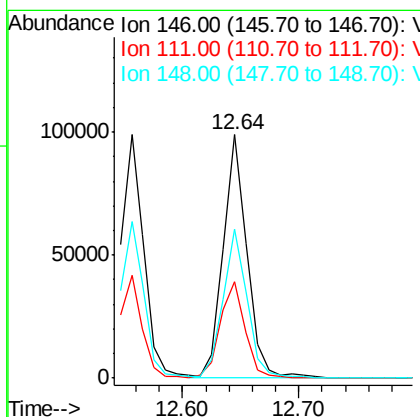
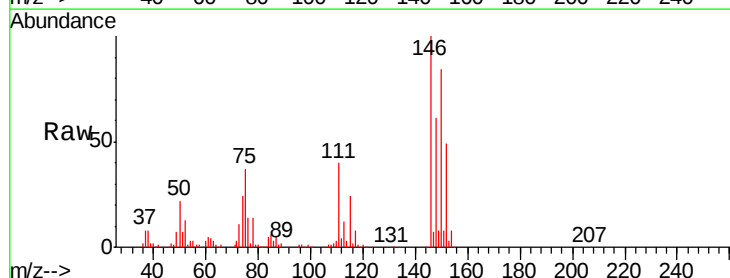
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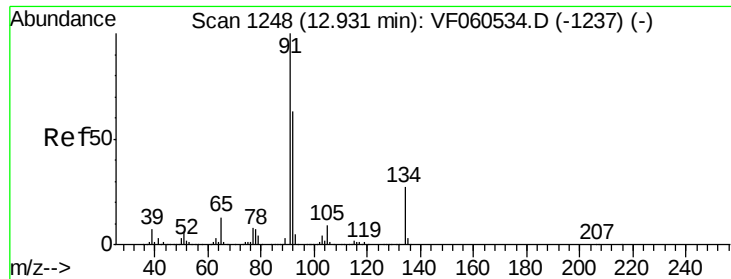
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#88
 1,4-Dichlorobenzene
 Concen: 22.98 ug/l
 RT: 12.64 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.2	63.6
148	61.4	35.1	105.5





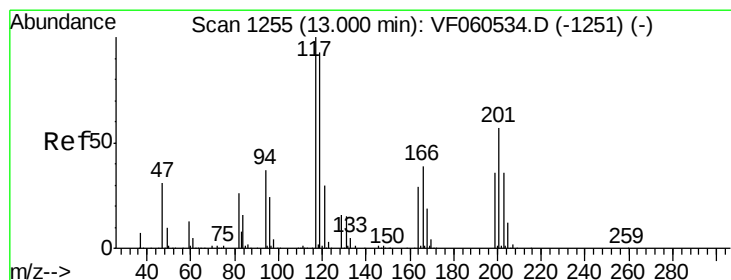
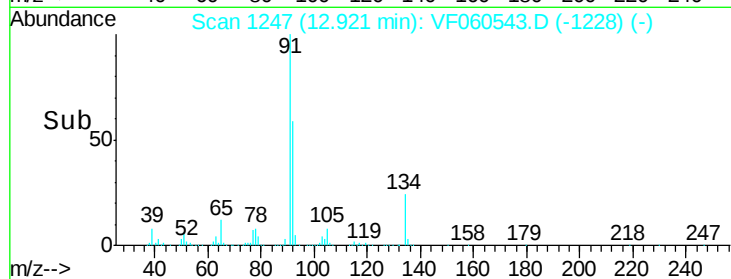
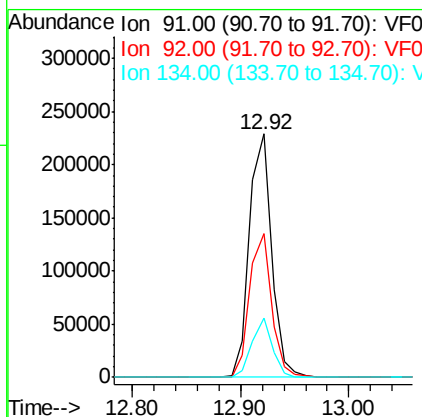
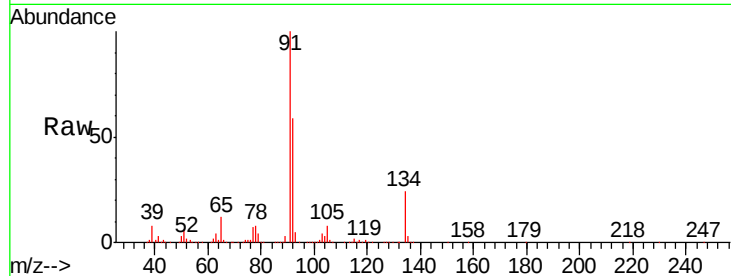
#89
n-Butylbenzene
Concen: 21.37 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	31.3	93.9
134	24.5	13.3	39.8

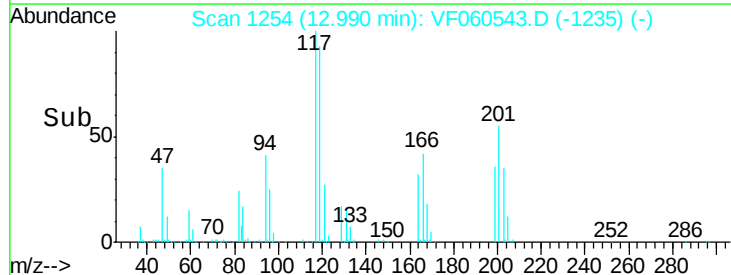
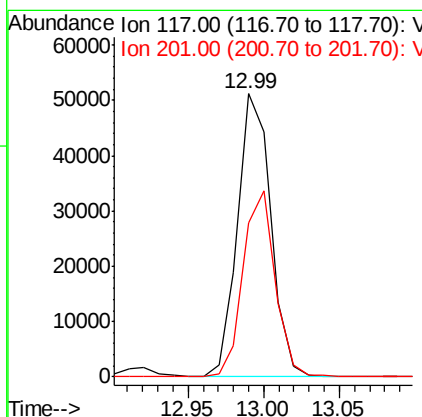
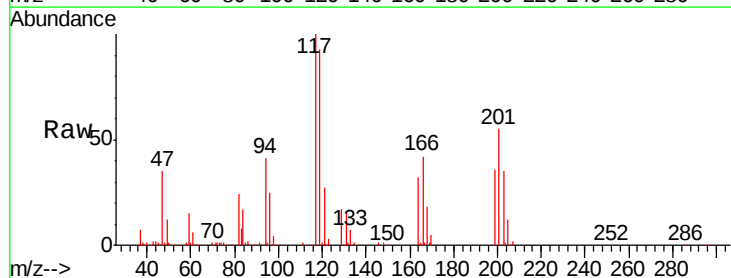
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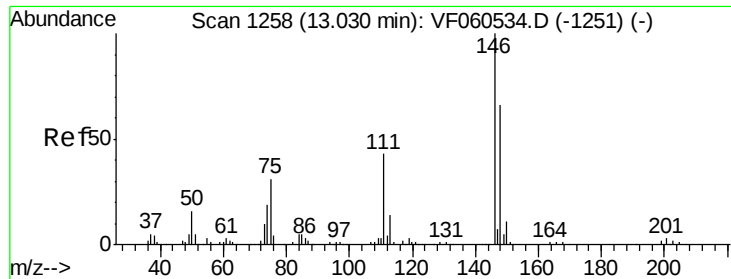
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#90
Hexachloroethane
Concen: 21.50 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.7	28.2	84.7





#91

1,2-Dichlorobenzene

Concen: 22.00 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

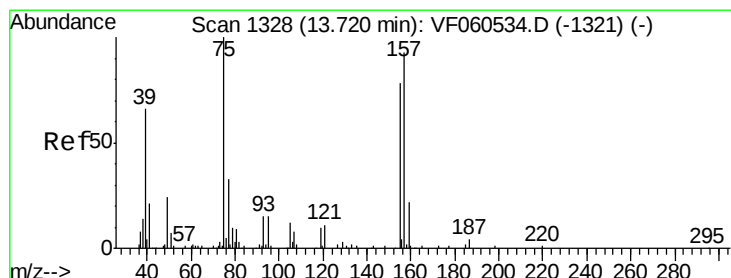
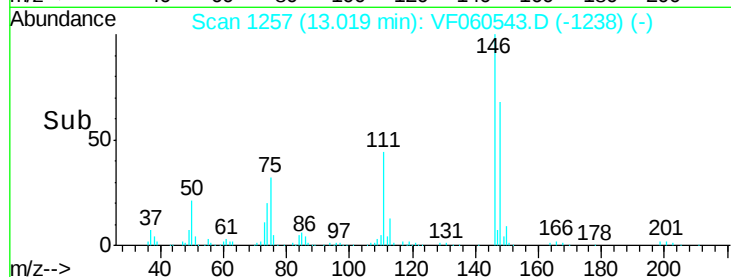
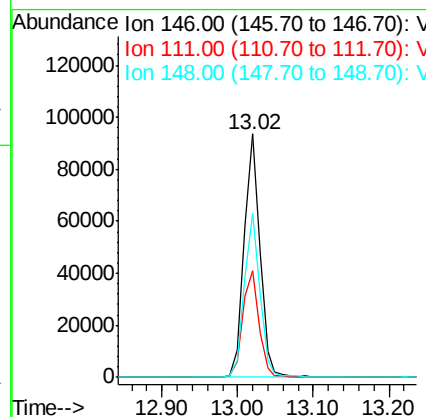
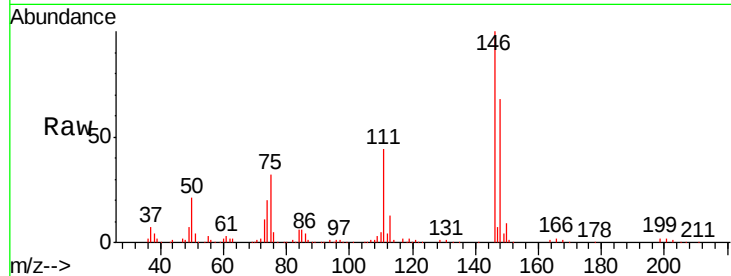
ClientSampleId :

VF1030SBSD01

Tgt Ion:	146	Resp:	133632
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.5	64.5
148	67.7	33.1	99.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.57 ug/l

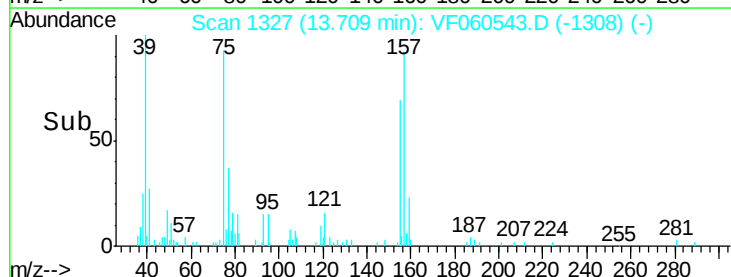
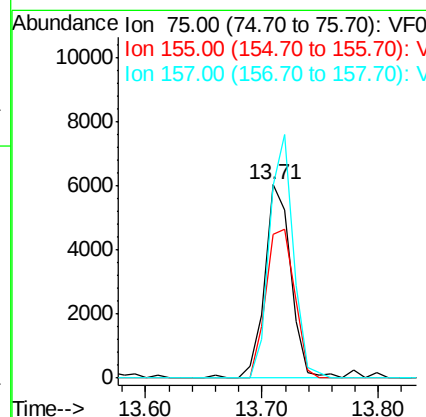
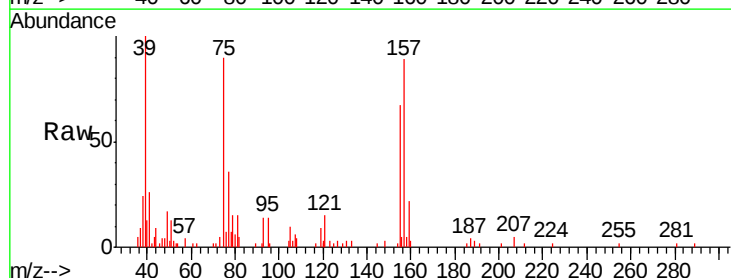
RT: 13.71 min Scan# 1327

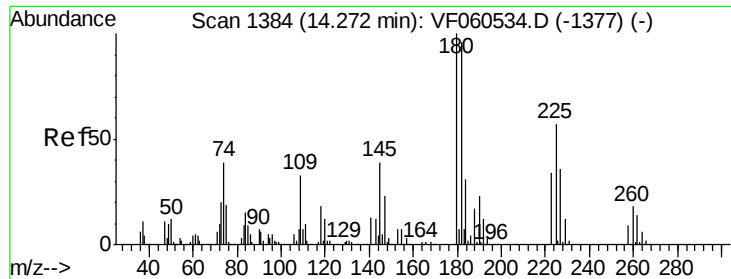
Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion:	75	Resp:	9430
Ion Ratio	Lower	Upper	
75	100		
155	80.3	40.8	122.5
157	105.7	46.5	139.5





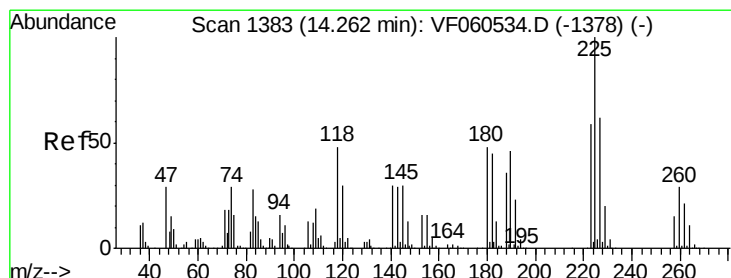
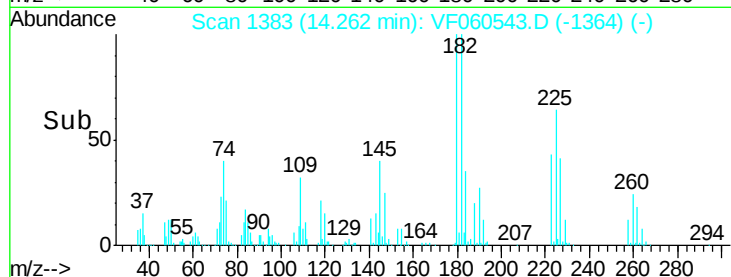
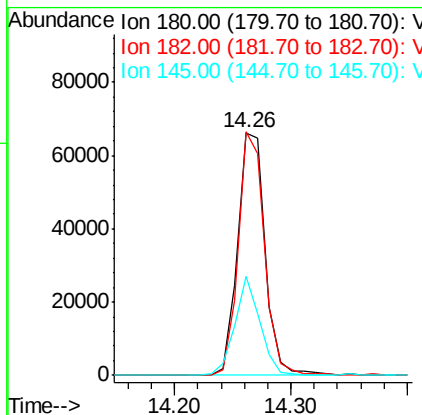
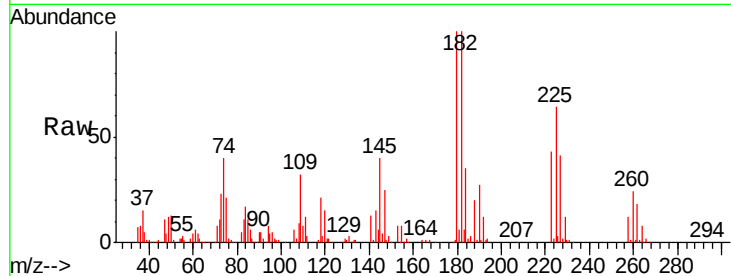
#93
 1,2,4-Trichlorobenzene
 Concen: 23.75 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108053		
182	100.5	48.1	144.3	
145	40.7	19.5	58.5	

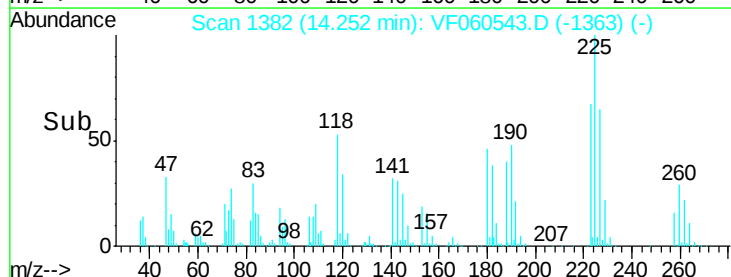
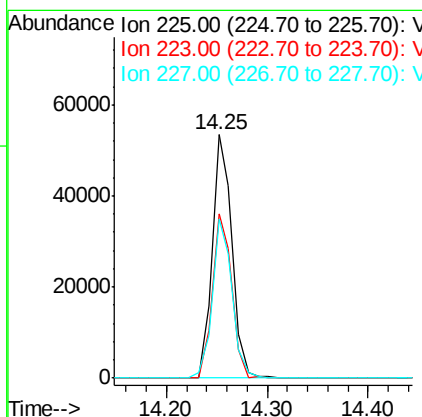
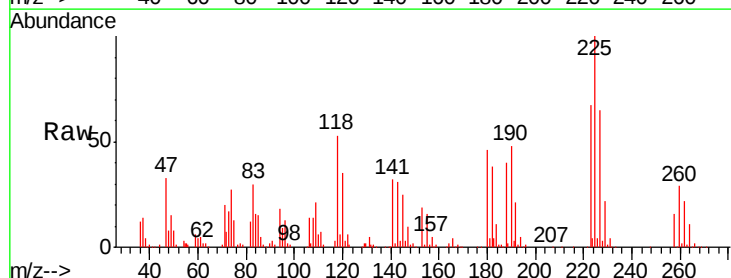
Manual Integrations
 APPROVED

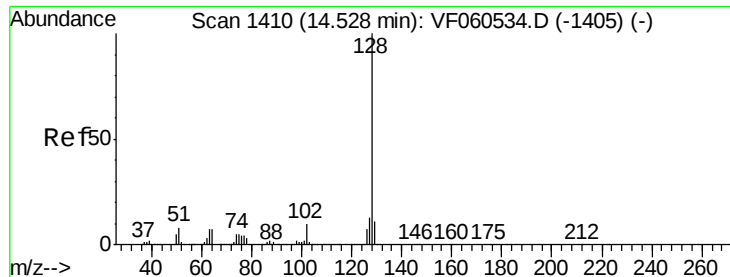
apatel
 10/31/2018 10:25:01 AM



#94
 Hexachlorobutadiene
 Concen: 22.77 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73342		
223	67.3	29.5	88.5	
227	65.2	31.3	93.8	





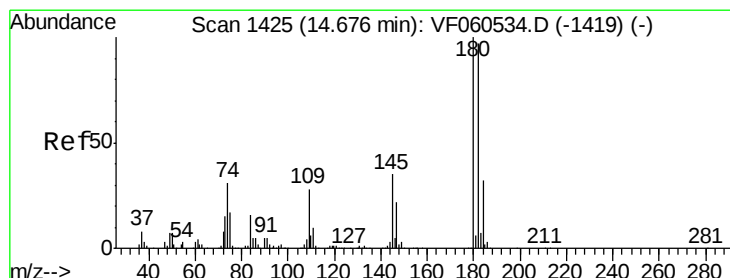
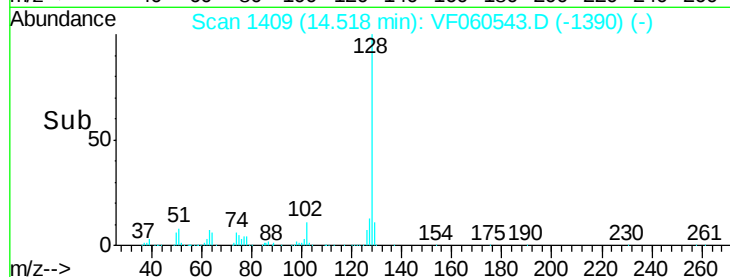
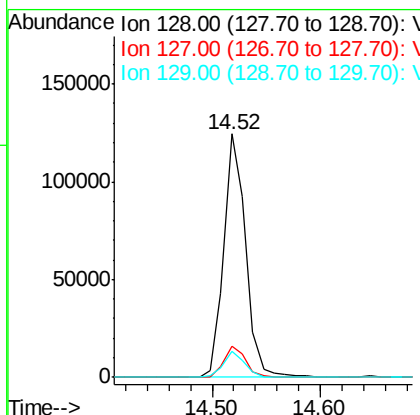
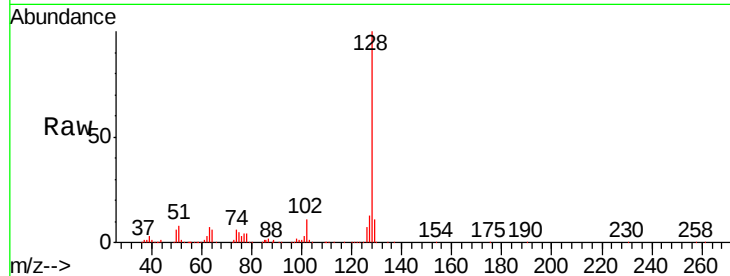
#95
Naphthalene
Concen: 21.81 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	175468		
127	12.6	10.1	15.1	
129	10.5	8.7	13.1	

Manual Integrations
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apatel
10/31/2018 10:25:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.38 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96889		
182	95.4	48.7	146.1	
145	34.4	17.3	52.0	

