

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060542.D
 Acq On : 30 Oct 2018 13:29
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:24:50 AM

Quant Time: Oct 31 05:08:43 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	242573	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	388324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	313453	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	185800	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	220456	58.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.84%	
35) Dibromofluoromethane	4.29	113	207701	55.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.48%	
50) Toluene-d8	7.71	98	460944	50.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.50	95	199702	47.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	125294	28.45	ug/l	95
3) Chloromethane	1.14	50	68937	26.11	ug/l	98
4) Vinyl Chloride	1.19	62	72495	24.93	ug/l	97
5) Bromomethane	1.36	94	61939	27.10	ug/l	94
6) Chloroethane	1.43	64	39182	25.88	ug/l	99
7) Trichlorofluoromethane	1.56	101	179215	25.58	ug/l	97
8) Diethyl Ether	1.70	74	21662	24.65	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	84447	26.77	ug/l	93
10) Methyl Iodide	1.97	142	131413m	24.79	ug/l	
11) Tert butyl alcohol	2.68	59	22362	152.37	ug/l	96
12) 1,1-Dichloroethene	1.86	96	66316	24.33	ug/l	96
13) Acrolein	2.09	56	18172	132.36	ug/l #	82
14) Allyl chloride	2.19	41	104223	24.04	ug/l	91
15) Acrylonitrile	3.06	53	38256	102.25	ug/l	94
16) Acetone	2.34	43	119902	163.28	ug/l	94
17) Carbon Disulfide	1.90	76	189570	24.74	ug/l #	85
18) Methyl Acetate	2.44	43	27004	25.08	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	146965	24.06	ug/l	93
20) Methylene Chloride	2.28	84	63137m	25.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	67924	24.36	ug/l	89
22) Diisopropyl ether	2.93	45	192055	24.39	ug/l	97
23) Vinyl Acetate	3.33	43	335359	114.83	ug/l	100
24) 1,1-Dichloroethane	3.01	63	134420	23.66	ug/l	99
25) 2-Butanone	4.50	43	112822	114.19	ug/l	94
26) 2,2-Dichloropropane	3.75	77	85459	24.20	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	65864	19.59	ug/l	86
28) Bromochloromethane	3.88	49	39247	19.18	ug/l	86
29) Tetrahydrofuran	4.25	42	36955	110.49	ug/l	94
30) Chloroform	4.03	83	168410	23.47	ug/l	95
31) Cyclohexane	3.87	56	90329	22.27	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	140097	23.62	ug/l	97
36) 1,1-Dichloropropene	4.45	75	110143	22.76	ug/l	93
37) Ethyl Acetate	4.29	43	36775	23.48	ug/l #	89
38) Carbon Tetrachloride	4.17	117	133247	23.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	102144	20.91	ug/l	94
40) Benzene	4.81	78	201648	21.01	ug/l	95
41) Methacrylonitrile	4.92	41	18649	20.83	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	102068	22.91	ug/l	91
43) Isopropyl Acetate	7.11	43	34903	18.41	ug/l #	98
44) Trichloroethene	5.67	130	64524	20.80	ug/l	99
45) 1,2-Dichloropropane	6.40	63	47427	19.81	ug/l	97
46) Dibromomethane	6.25	93	39953	21.25	ug/l	97
47) Bromodichloromethane	6.54	83	108450	22.48	ug/l	98
48) Methyl methacrylate	6.87	41	29304	22.41	ug/l #	83
49) 1,4-Dioxane	6.87	88	3701	304.23	ug/l #	59
51) 4-Methyl-2-Pentanone	8.40	43	136655	99.51	ug/l	93
52) Toluene	7.78	92	115609	18.56	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	78636	20.86	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	92825	20.78	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	34632	18.55	ug/l	90
56) Ethyl methacrylate	8.75	69	39330	18.78	ug/l	90
57) 1,3-Dichloropropane	9.00	76	62746	19.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	23339	108.12	ug/l	100
59) 2-Hexanone	9.63	43	102646	97.43	ug/l	97
60) Dibromochloromethane	8.86	129	65128	21.66	ug/l	98
61) 1,2-Dibromoethane	9.14	107	43122	19.95	ug/l	94
64) Tetrachloroethene	8.30	164	55692	21.02	ug/l	95
65) Chlorobenzene	9.94	112	138503	21.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	63270	22.02	ug/l	93
67) Ethyl Benzene	10.03	91	261637	21.71	ug/l	97
68) m/p-Xylenes	10.26	106	180122	43.77	ug/l	88
69) o-Xylene	10.82	106	97407	21.02	ug/l	77
70) Styrene	10.90	104	140156	21.45	ug/l	98
71) Bromoform	10.88	173	31695	21.38	ug/l	94
73) Isopropylbenzene	11.23	105	330900	23.30	ug/l	99
74) N-amyl acetate	11.46	43	51372	18.06	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	50084	21.13	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	39098	21.93	ug/l	99
77) Bromobenzene	11.59	156	67620	21.64	ug/l	87
78) n-propylbenzene	11.69	91	366127	21.73	ug/l	100
79) 2-Chlorotoluene	11.81	91	225270	22.34	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	277222	22.59	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	16506m	21.20	ug/l	
82) 4-Chlorotoluene	11.99	91	227226	21.74	ug/l	100
83) tert-Butylbenzene	12.21	119	276421	23.24	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	279575	22.43	ug/l	95
85) sec-Butylbenzene	12.39	105	379688	22.78	ug/l	99
86) p-Isopropyltoluene	12.54	119	314379	22.98	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	137399	22.03	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	128528	21.83	ug/l	96
89) n-Butylbenzene	12.92	91	337066	23.02	ug/l	94
90) Hexachloroethane	12.99	117	77056	21.82	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	127798	21.75	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9711	19.76	ug/l	90

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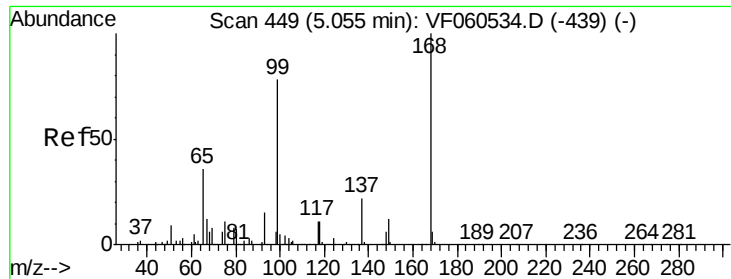
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	97916	22.24	ug/l	98
94) Hexachlorobutadiene	14.25	225	72764	23.35	ug/l	98
95) Naphthalene	14.52	128	153134	19.67	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	92256	22.02	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 168 Resp: 242573

Ion Ratio Lower Upper

168 100

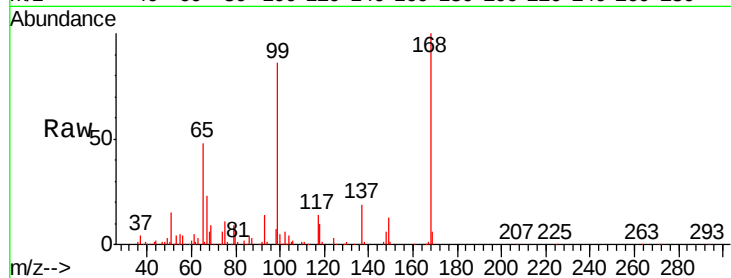
99 86.4 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

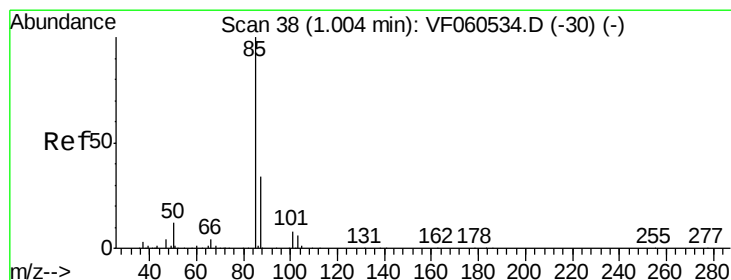
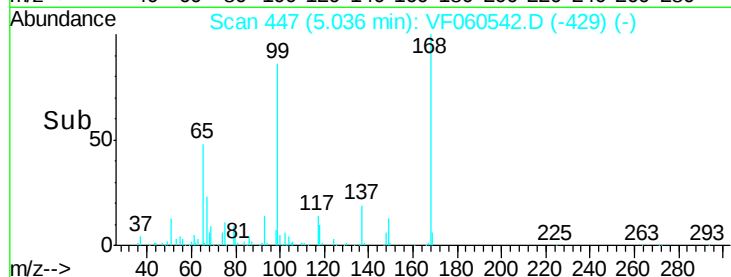
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 28.45 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.00 min

Lab File: VF060542.D

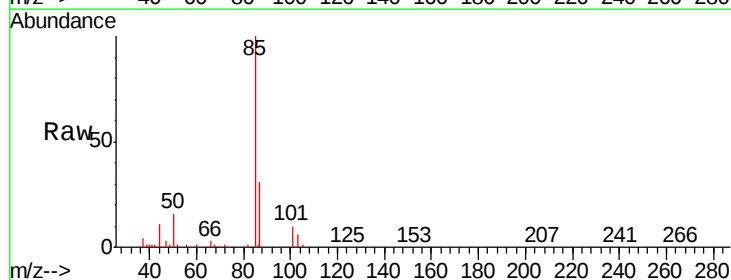
Acq: 30 Oct 2018 13:29

Tgt Ion: 85 Resp: 125294

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

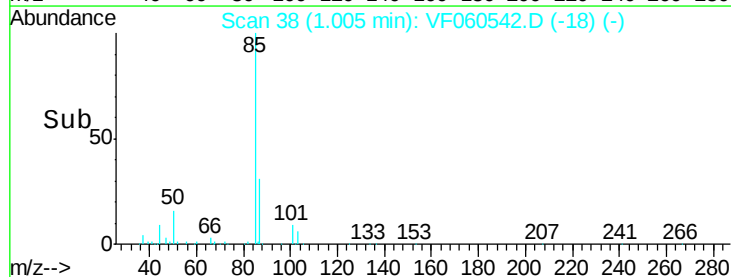
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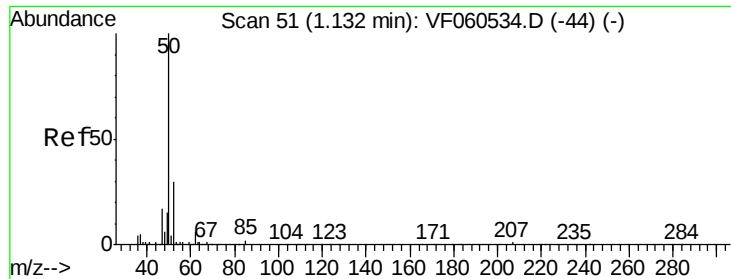
20000

10000

0

Time-->





#3

Chloromethane

Concen: 26.11 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 50 Resp: 68937

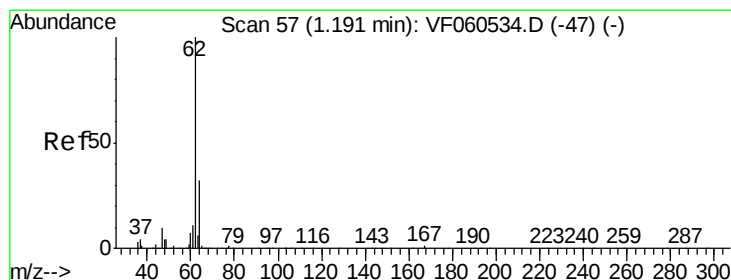
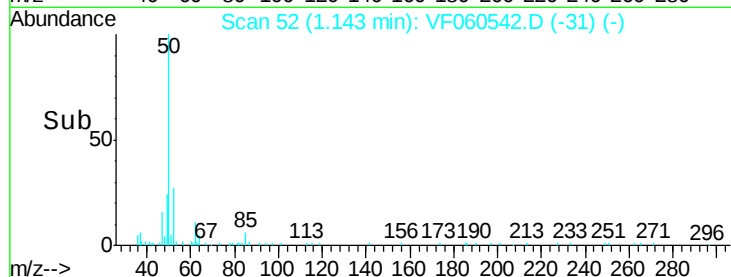
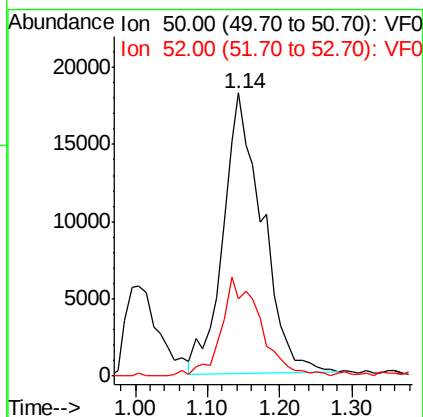
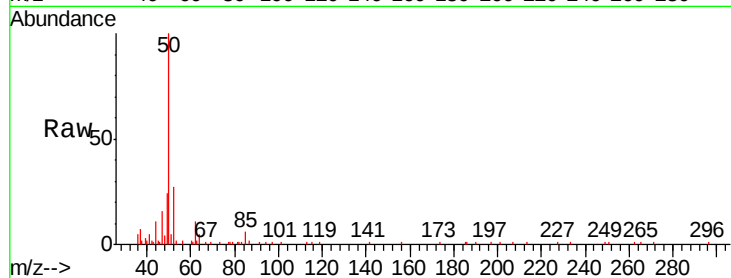
Ion Ratio Lower Upper

50 100

52 27.4 22.8 34.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 24.93 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF060542.D

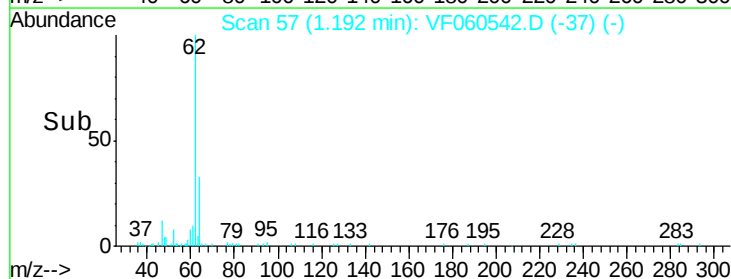
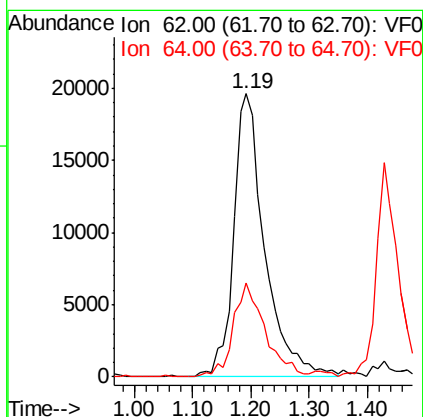
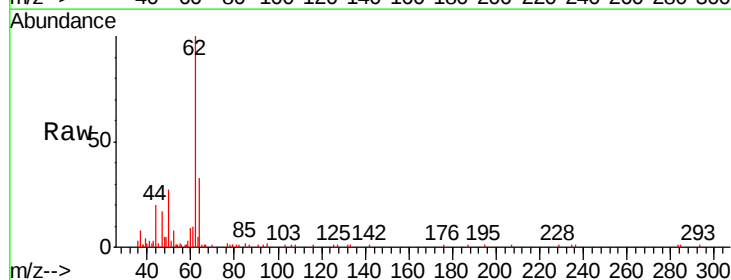
Acq: 30 Oct 2018 13:29

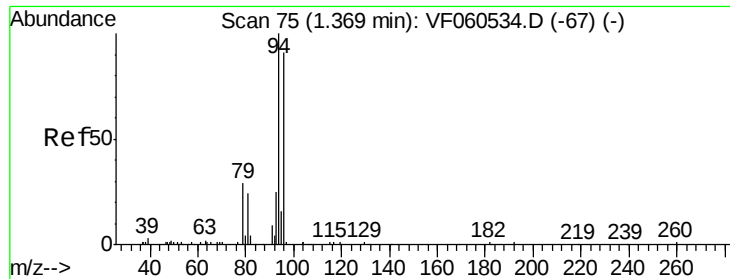
Tgt Ion: 62 Resp: 72495

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 27.10 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 94 Resp: 61939

Ion Ratio Lower Upper

94 100

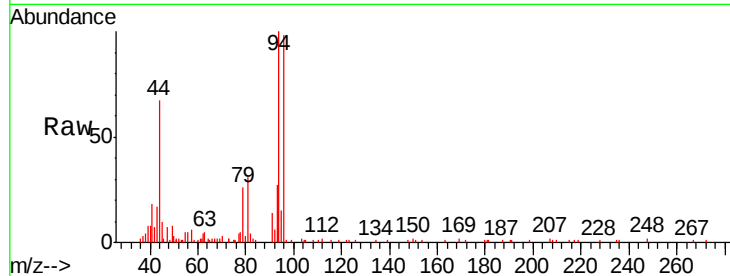
96 97.5 73.2 109.8

Manual Integrations

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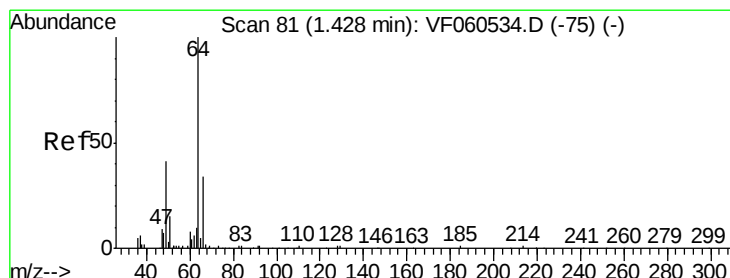
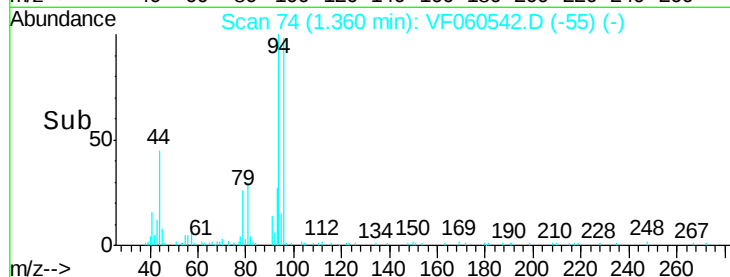
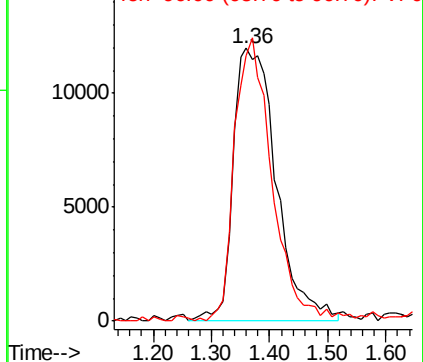
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 25.88 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060542.D

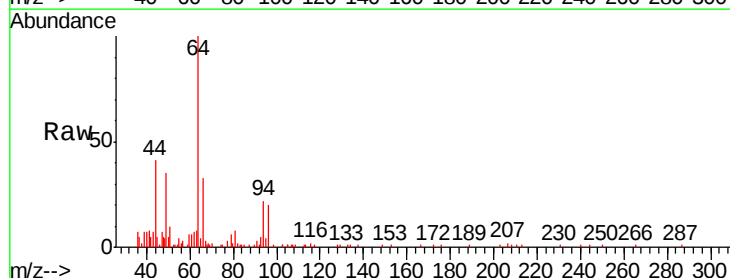
Acq: 30 Oct 2018 13:29

Tgt Ion: 64 Resp: 39182

Ion Ratio Lower Upper

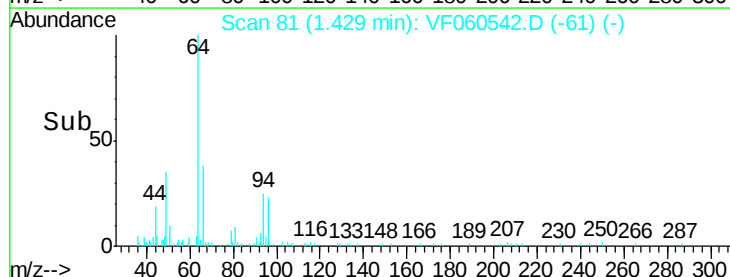
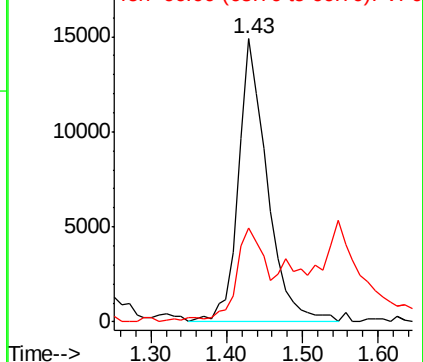
64 100

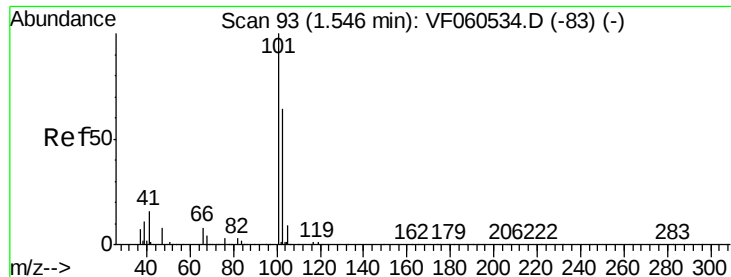
66 33.2 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 25.58 ug/l

RT: 1.56 min Scan# 94

Delta R.T. 0.01 min

Lab File: VF060542.D

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Tgt Ion: 101 Resp: 179215

Ion Ratio Lower Upper

101 100

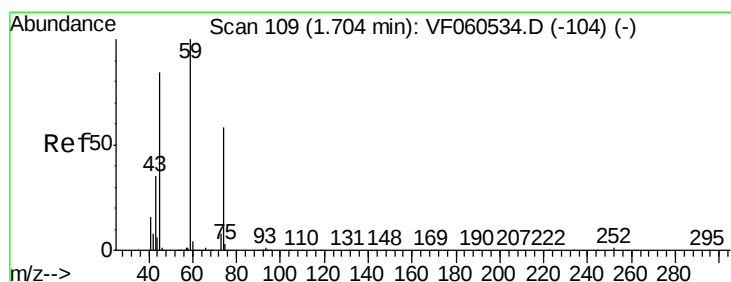
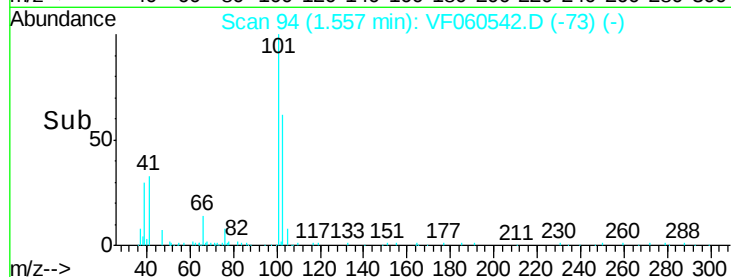
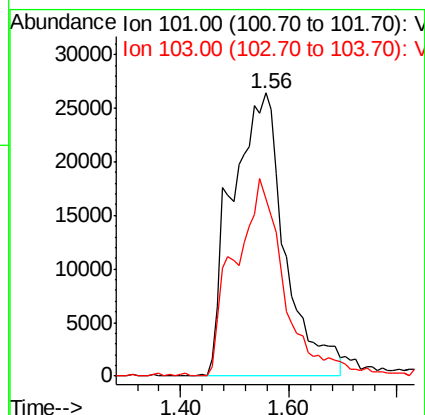
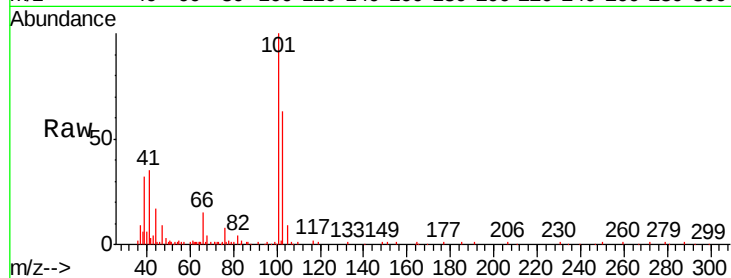
103 62.5 51.6 77.4

Manual Integrations

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#8

Diethyl Ether

Concen: 24.65 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060542.D

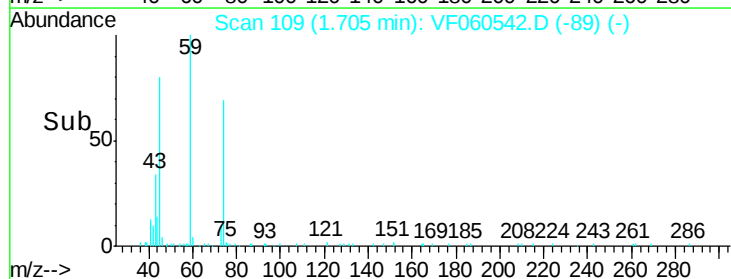
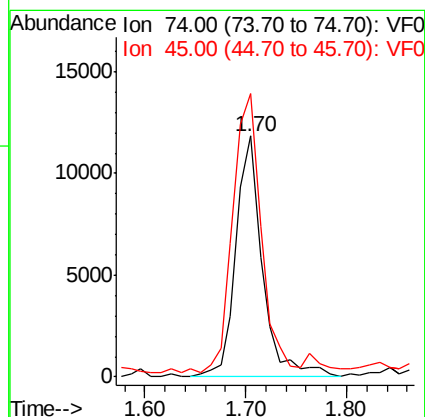
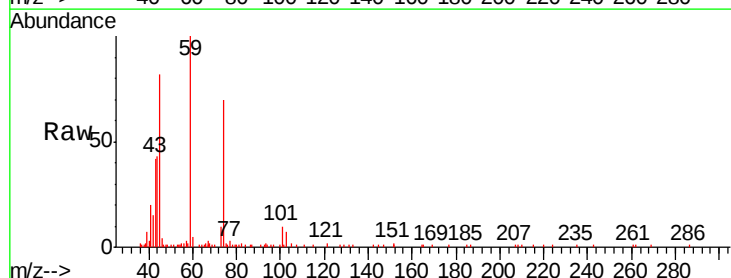
Acq: 30 Oct 2018 13:29

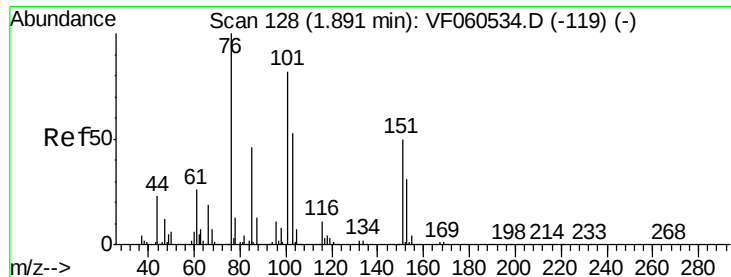
Tgt Ion: 74 Resp: 21662

Ion Ratio Lower Upper

74 100

45 117.6 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.77 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060542.D

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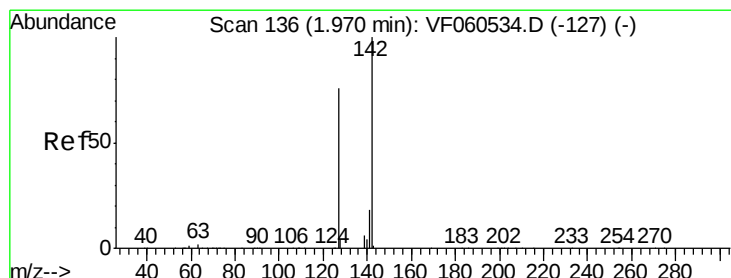
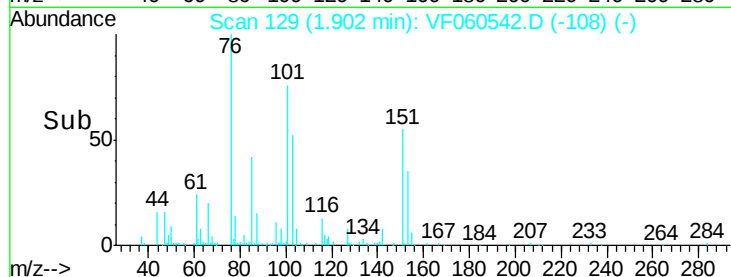
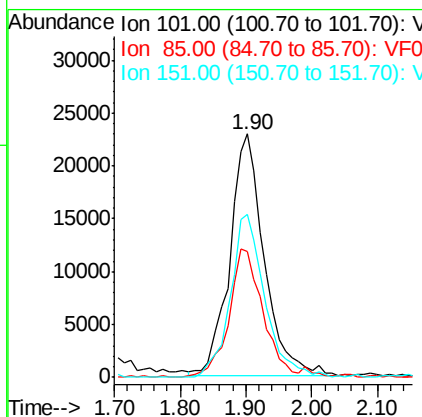
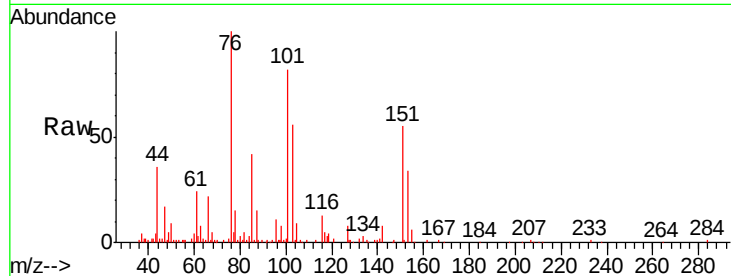
ClientSampleId :

VF1030SBS01

Tgt Ion:	101	Resp:	84447
Ion Ratio	Lower	Upper	
101	100		
85	51.5	44.6	67.0
151	67.0	48.4	72.6

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#10

Methyl Iodide

Concen: 24.79 ug/l m

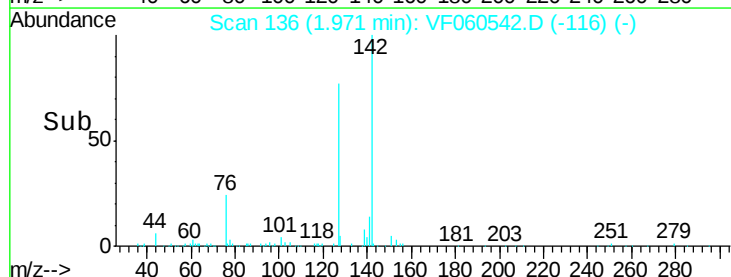
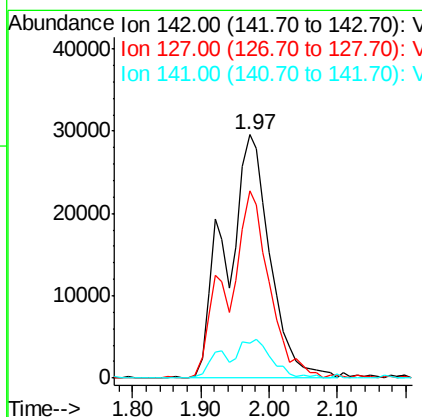
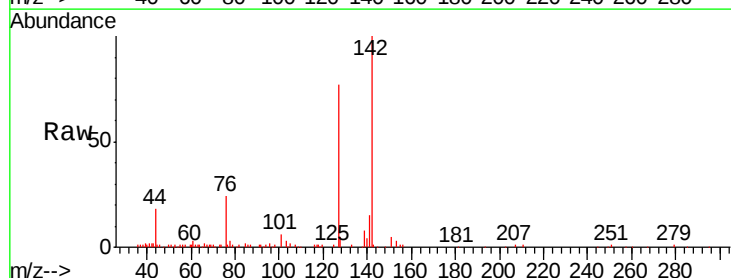
RT: 1.97 min Scan# 136

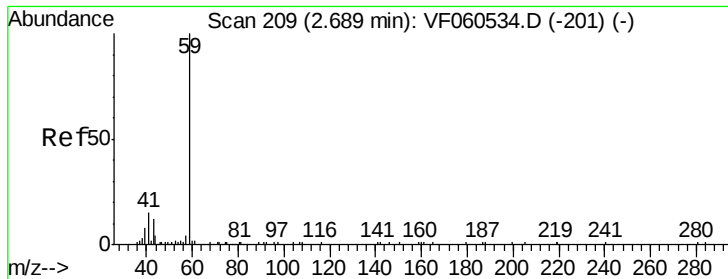
Delta R.T. 0.00 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	142	Resp:	131413
Ion Ratio	Lower	Upper	
142	100		
127	76.9	61.2	91.8
141	14.6	14.0	21.0





#11

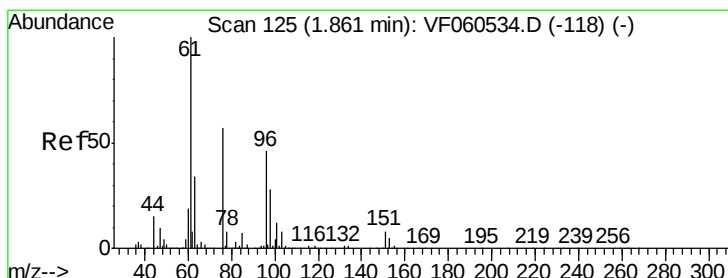
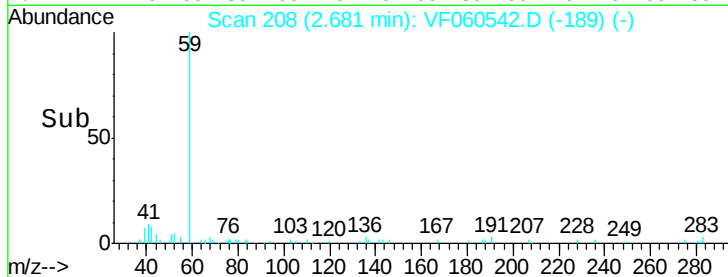
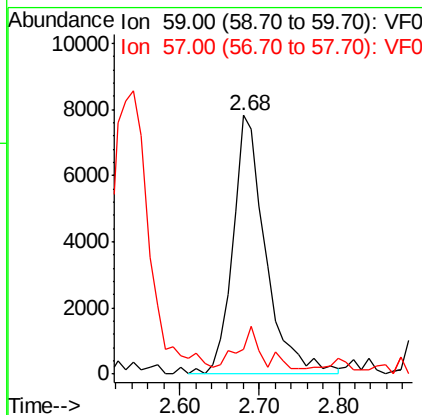
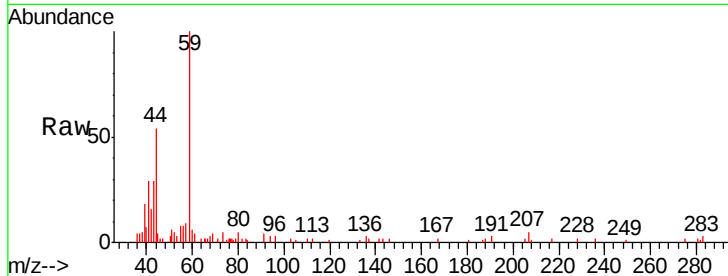
Tert butyl alcohol
Concen: 152.37 ug/l
RT: 2.68 min Scan# 208
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp Lower	Upper
59	100		
57	9.5	8.9	13.3

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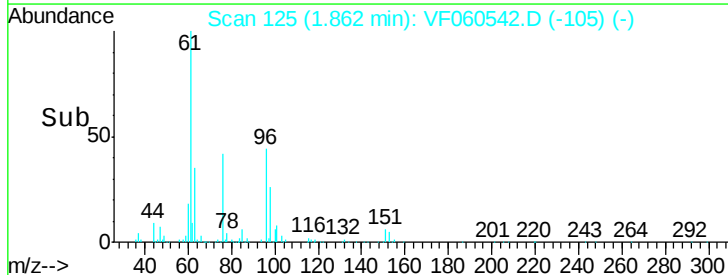
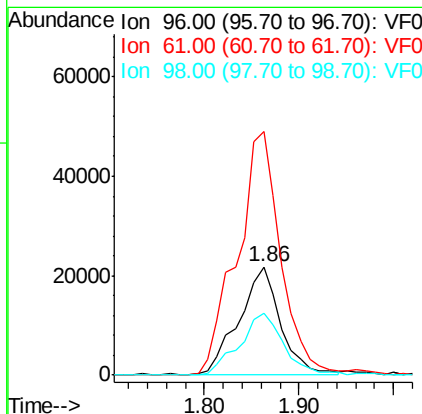
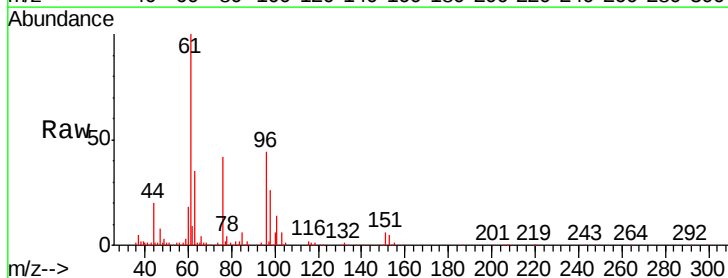
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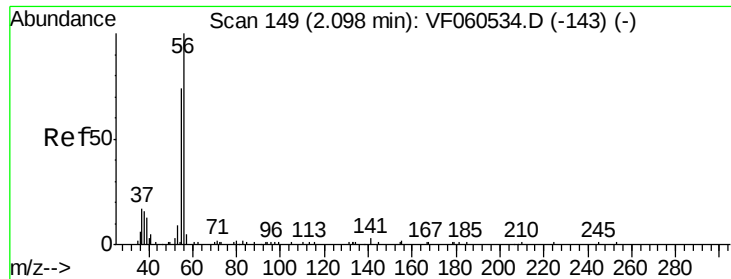


#12

1,1-Dichloroethene
Concen: 24.33 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.00 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	225.2	175.4	263.2
98	57.7	48.9	73.3





#13

Acrolein

Concen: 132.36 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 56 Resp: 18172

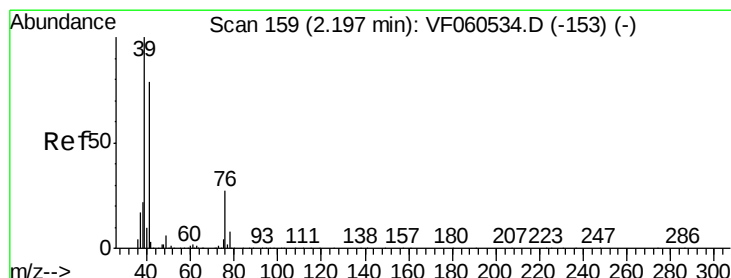
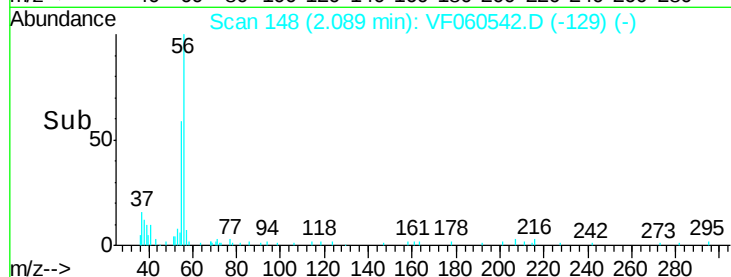
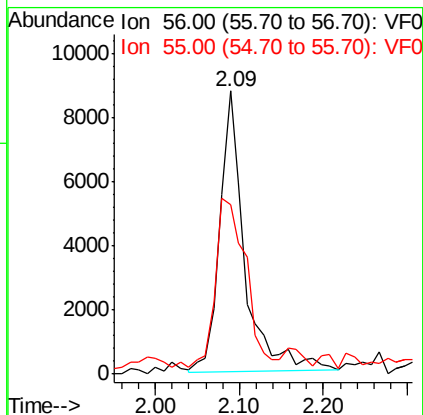
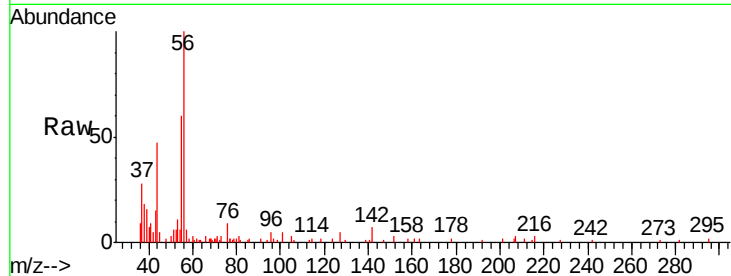
Ion Ratio Lower Upper

56 100

55 59.8 60.4 90.6#

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#14

Allyl chloride

Concen: 24.04 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

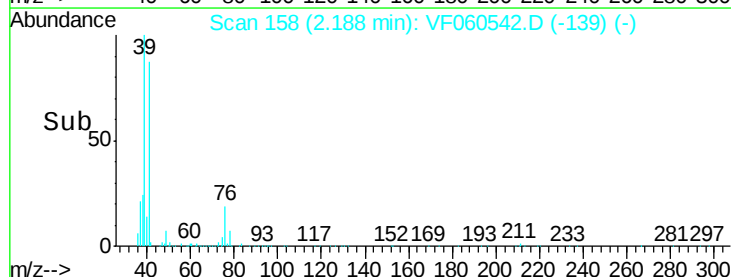
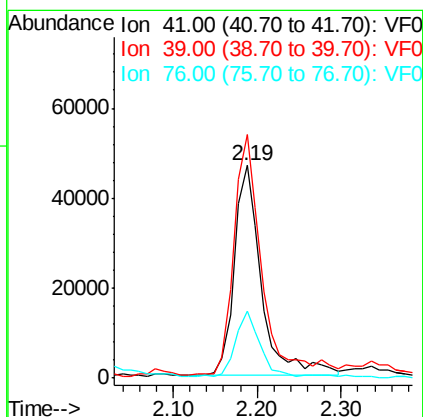
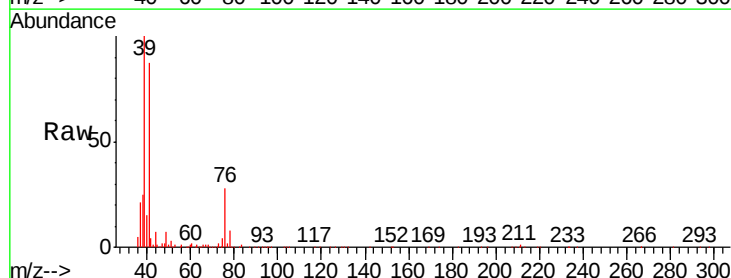
Tgt Ion: 41 Resp: 104223

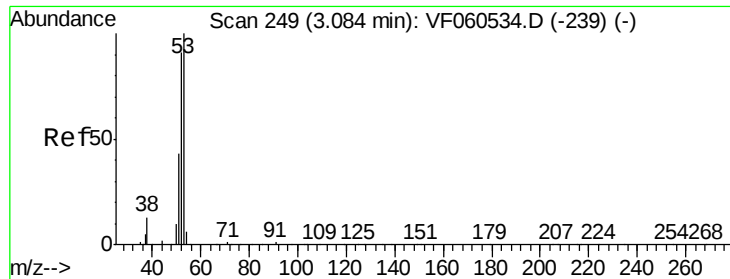
Ion Ratio Lower Upper

41 100

39 114.7 100.6 151.0

76 31.7 27.6 41.4





#15

Acrylonitrile

Concen: 102.25 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

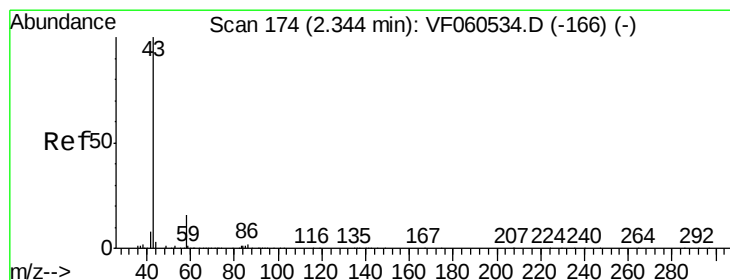
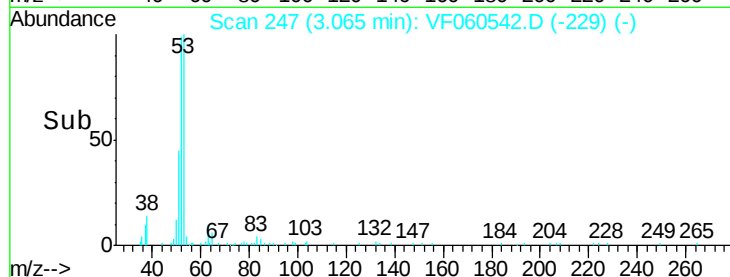
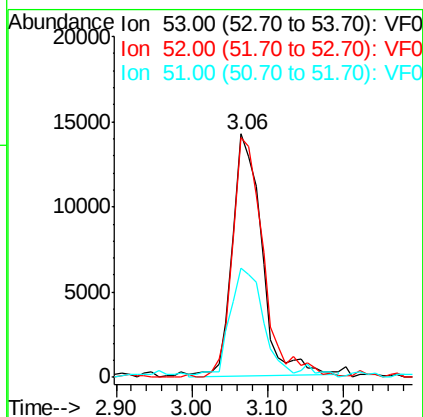
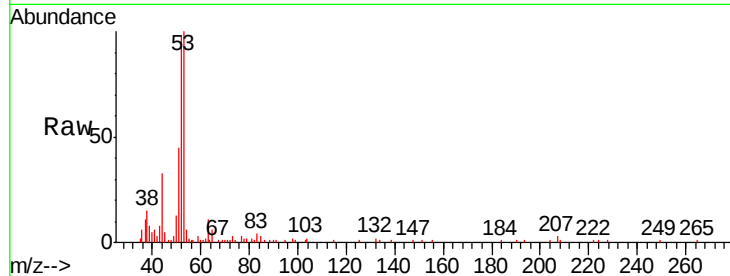
ClientSampleId :

VF1030SBS01

Tgt Ion:	53	Resp:	38256
Ion Ratio	Lower	Upper	
53	100		
52	98.3	73.2	109.8
51	45.1	35.0	52.4

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#16

Acetone

Concen: 163.28 ug/l

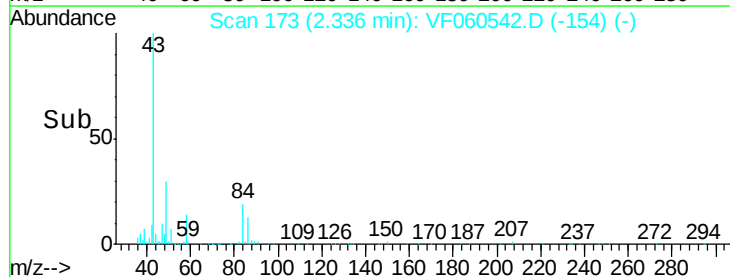
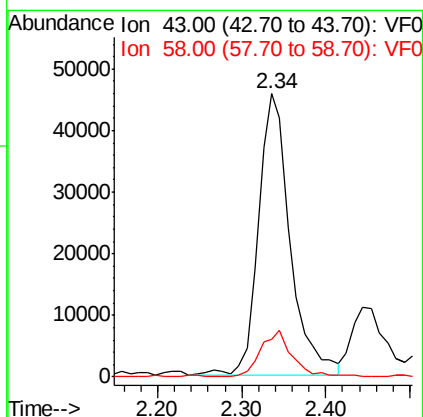
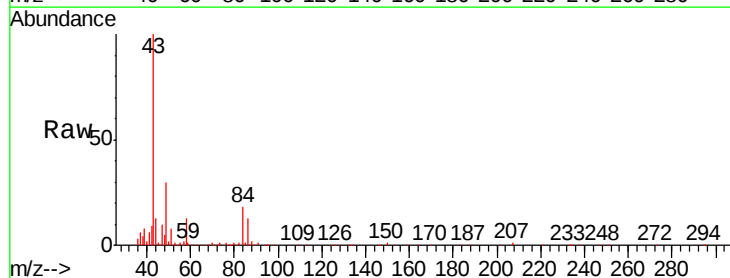
RT: 2.34 min Scan# 173

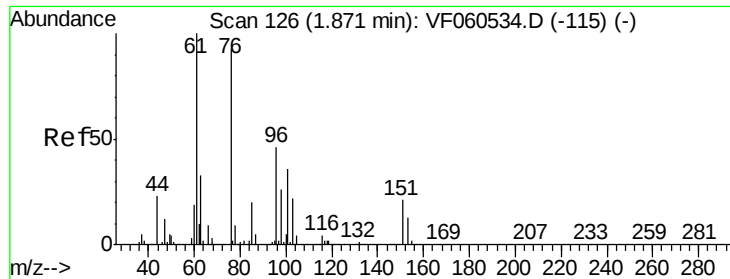
Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	43	Resp:	119902
Ion Ratio	Lower	Upper	
43	100		
58	13.4	12.8	19.2





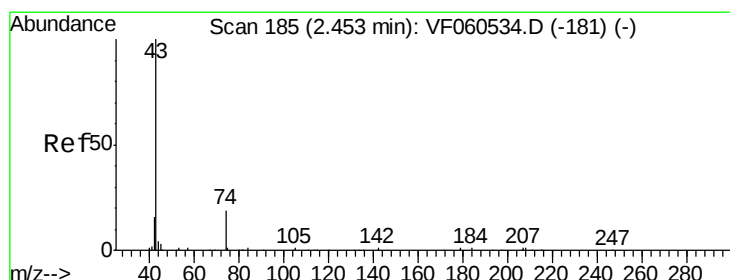
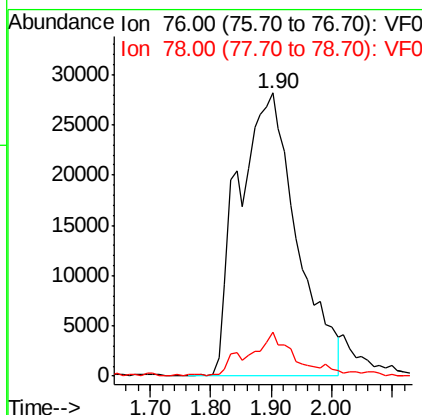
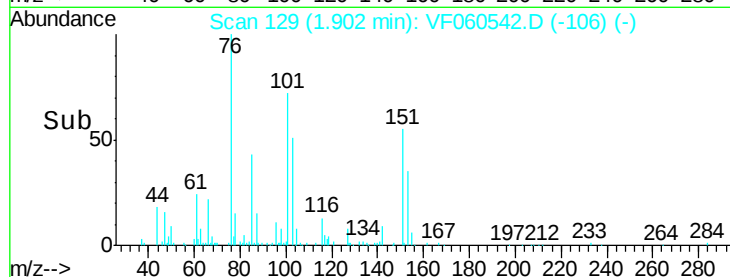
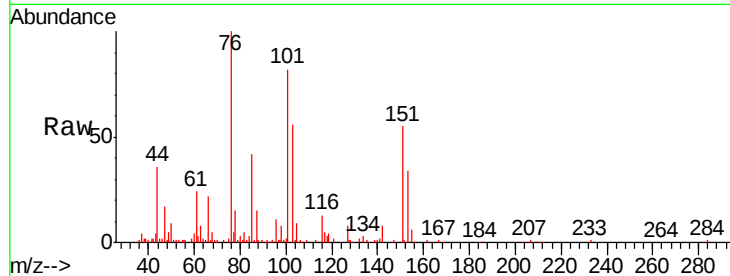
#17
Carbon Disulfide
Concen: 24.74 ug/l
RT: 1.90 min Scan# 129
Delta R.T. 0.03 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 76 Resp: 189570
Ion Ratio Lower Upper
76 100
78 15.5 8.0 12.0#

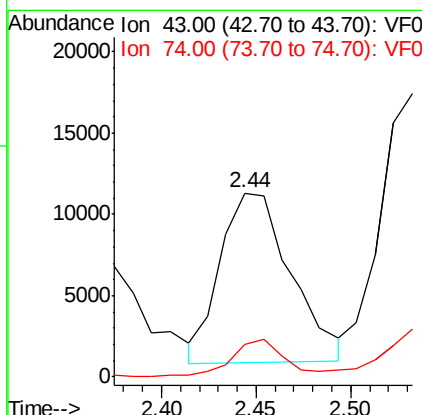
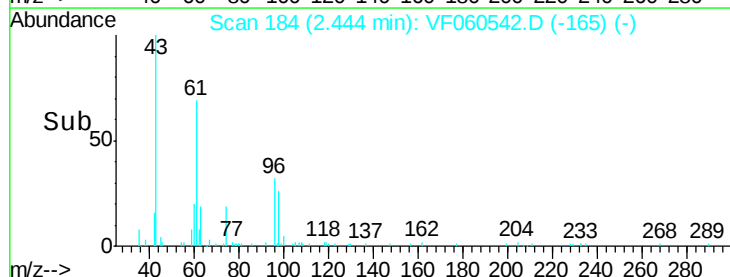
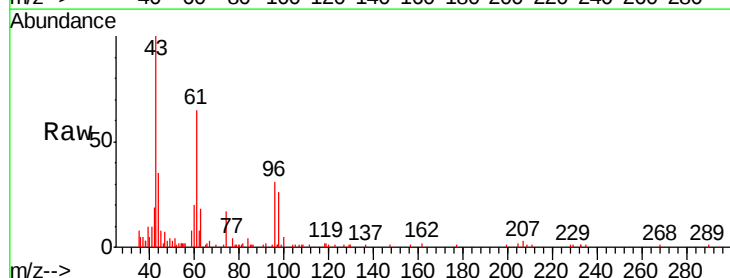
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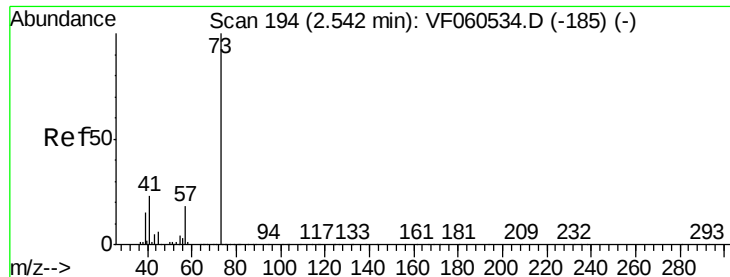
apatel
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#18
Methyl Acetate
Concen: 25.08 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 43 Resp: 27004
Ion Ratio Lower Upper
43 100
74 17.5 13.5 20.3





#19

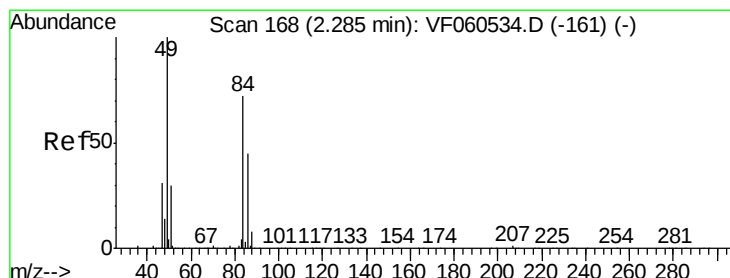
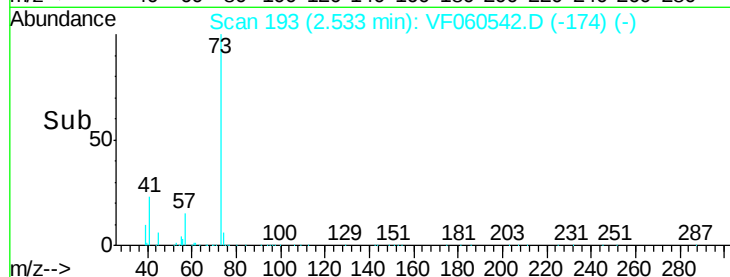
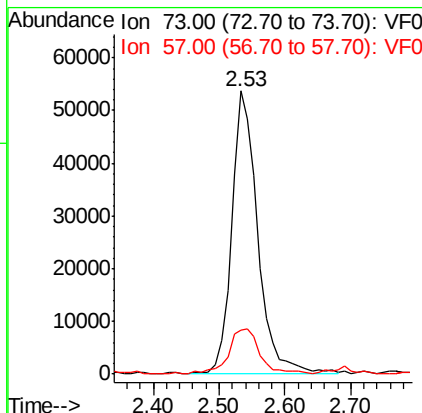
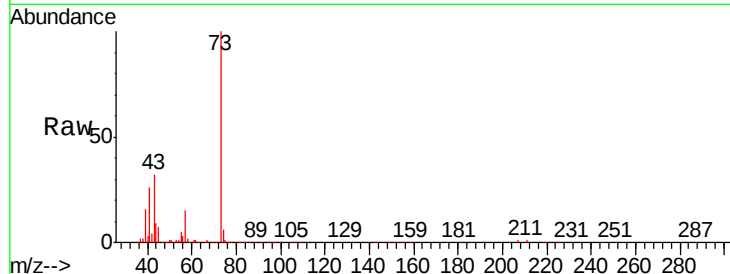
Methyl tert-butyl Ether
Concen: 24.06 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	15.4	14.7	22.1

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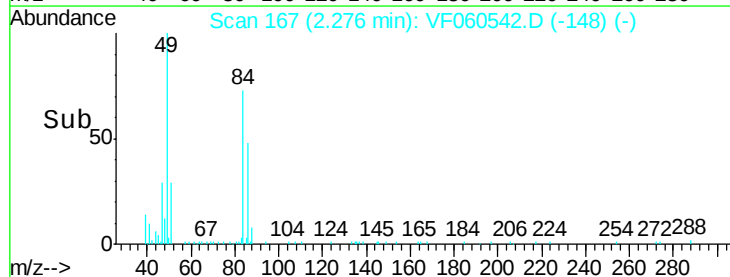
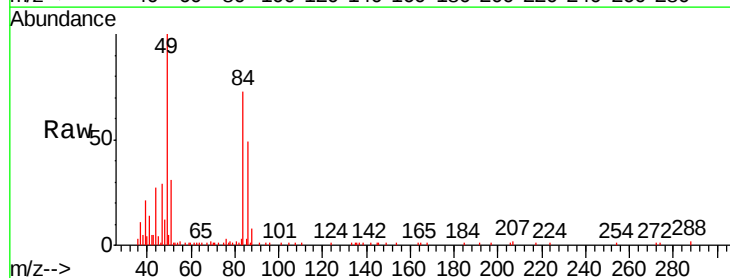
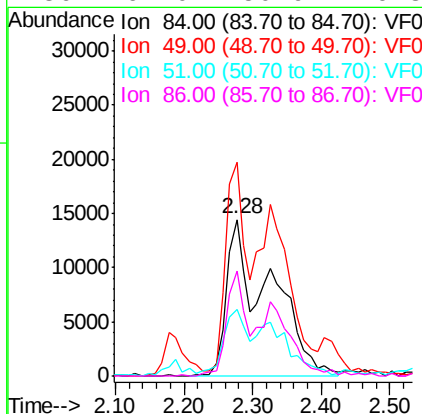
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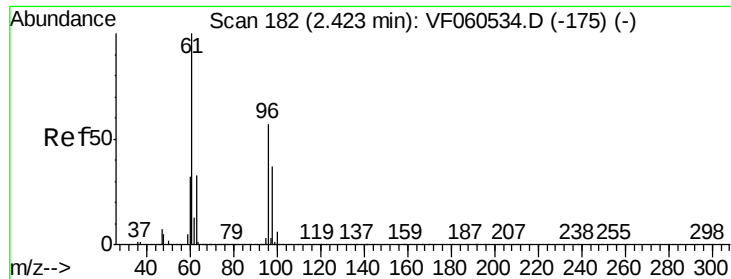


#20

Methylene Chloride
Concen: 25.09 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	115.4	173.0
51	42.8	35.4	53.2
86	67.0	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 24.36 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

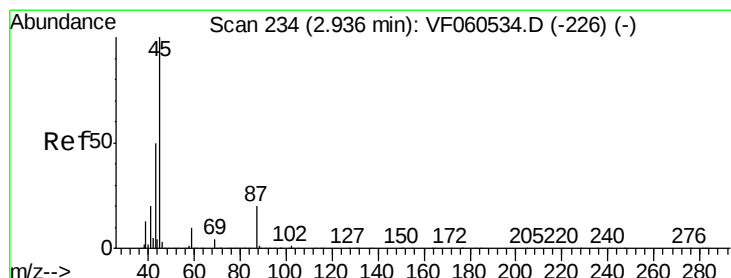
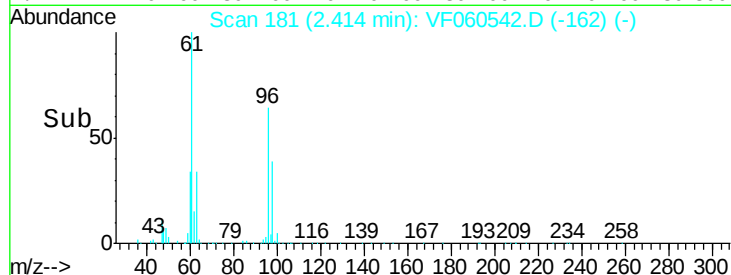
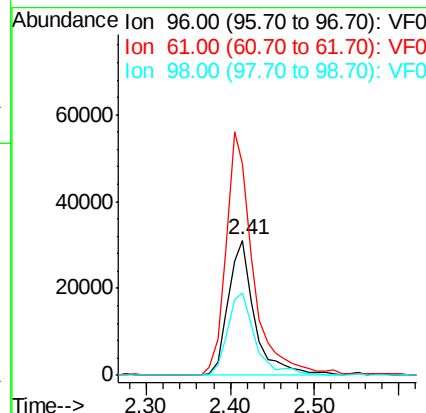
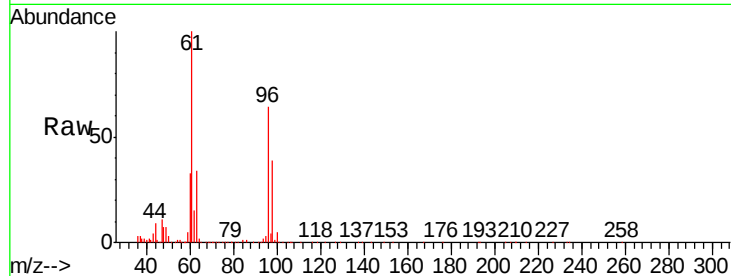
ClientSampleId :

VF1030SBS01

Tgt Ion:	96	Resp:	67924
Ion	Ratio	Lower	Upper
96	100		
61	156.5	139.8	209.6
98	60.7	52.2	78.4

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#22

Diisopropyl ether

Concen: 24.39 ug/l

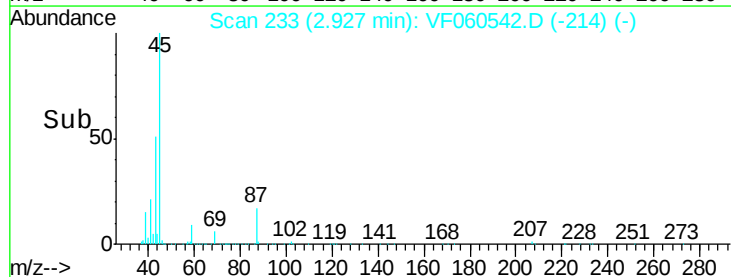
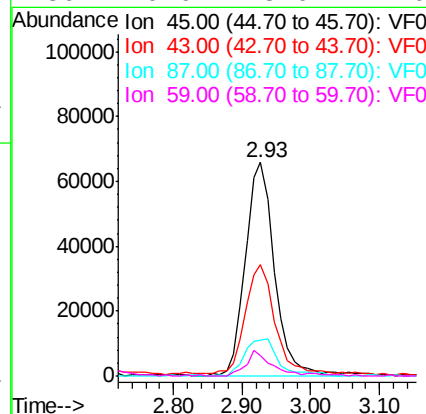
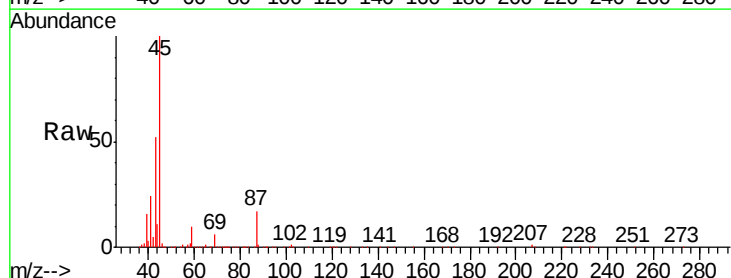
RT: 2.93 min Scan# 233

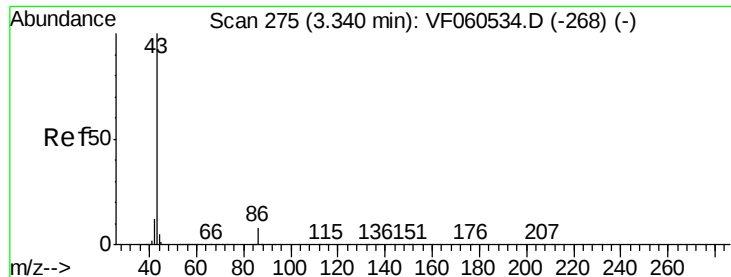
Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	45	Resp:	192055
Ion	Ratio	Lower	Upper
45	100		
43	52.4	40.6	60.8
87	16.8	15.9	23.9
59	9.9	8.0	12.0





#23

Vinyl Acetate

Concen: 114.83 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

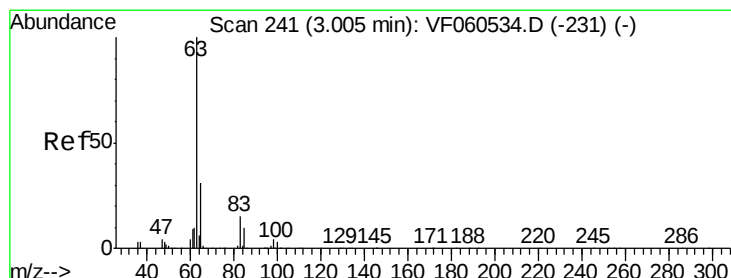
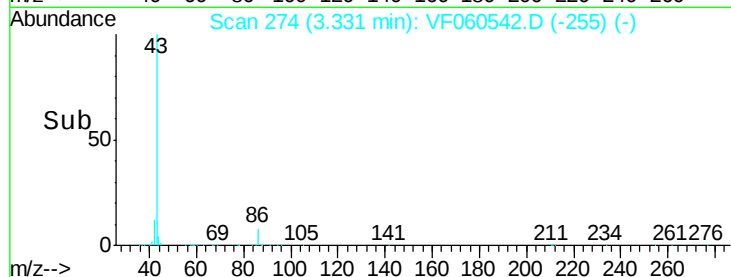
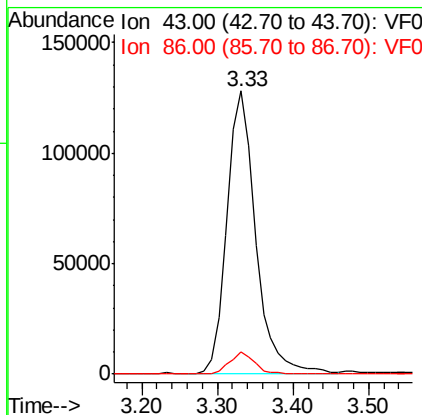
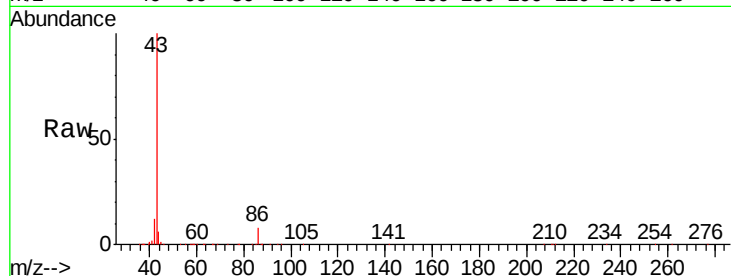
ClientSampleId :

VF1030SBS01

Tgt Ion:	43	Resp:	335359
Ion Ratio	Lower	Upper	
43	100		
86	7.8	6.2	9.2

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#24

1,1-Dichloroethane

Concen: 23.66 ug/l

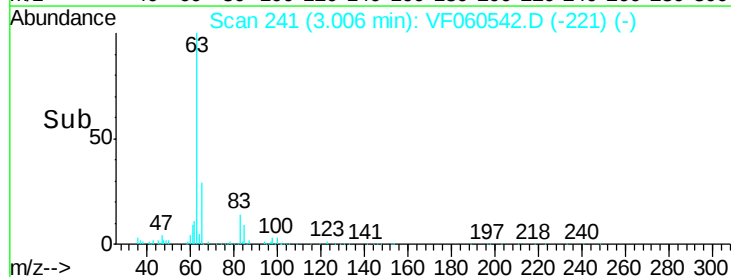
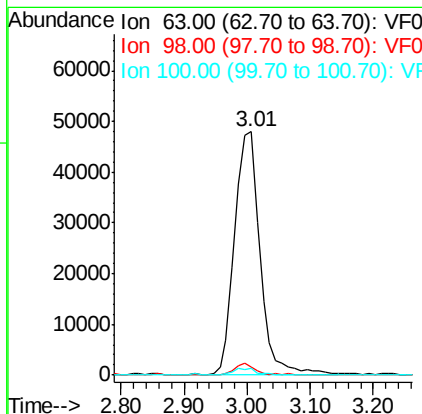
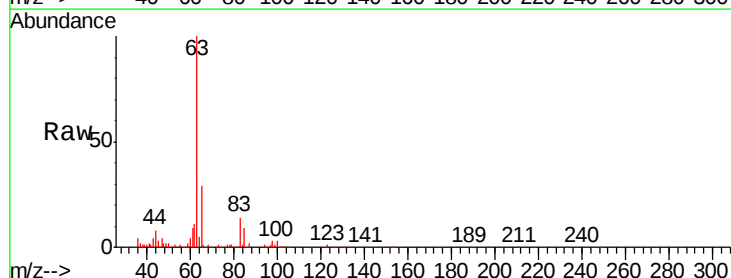
RT: 3.01 min Scan# 241

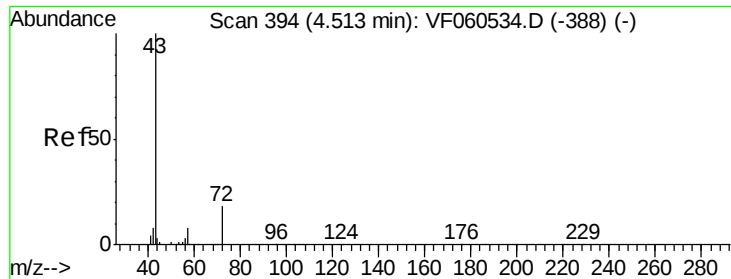
Delta R.T. 0.00 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	63	Resp:	134420
Ion Ratio	Lower	Upper	
63	100		
98	3.4	2.0	6.0
100	2.6	1.4	4.0





#25

2-Butanone

Concen: 114.19 ug/l

RT: 4.50 min Scan# 393

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 43 Resp: 112822

Ion Ratio Lower Upper

43 100

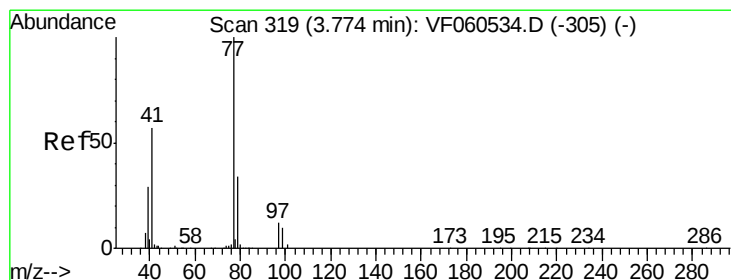
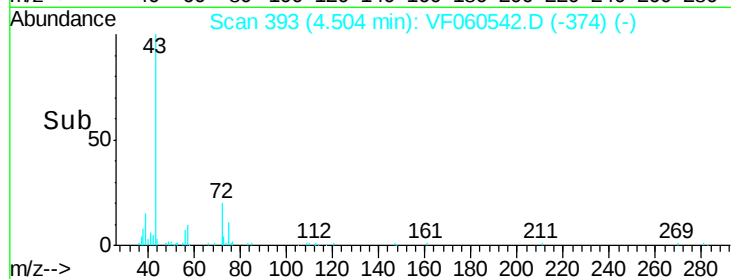
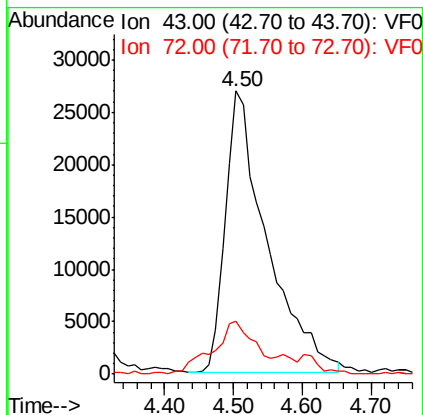
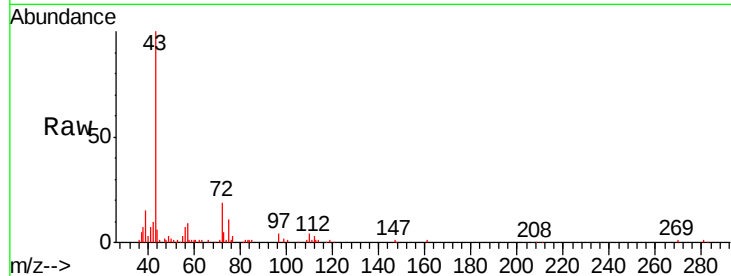
72 18.7 17.4 26.0

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#26

2,2-Dichloropropane

Concen: 24.20 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.02 min

Lab File: VF060542.D

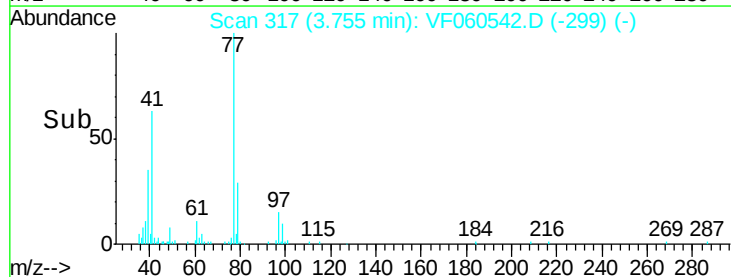
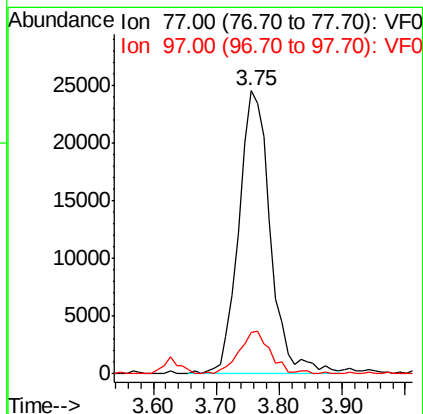
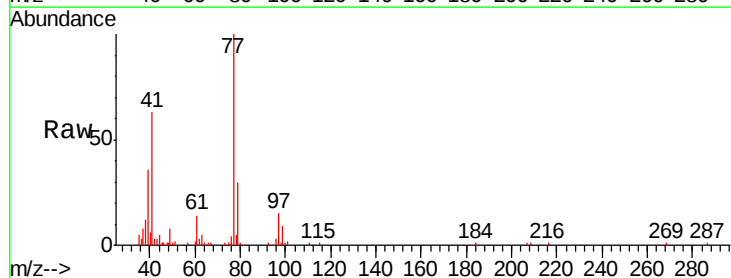
Acq: 30 Oct 2018 13:29

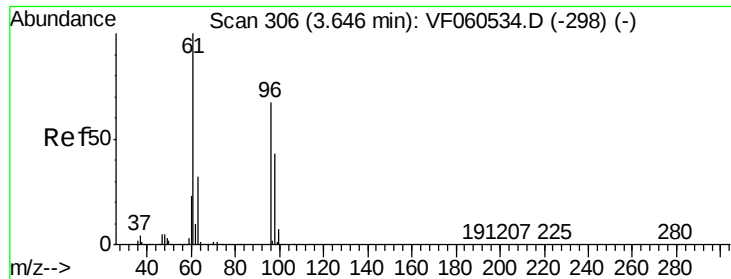
Tgt Ion: 77 Resp: 85459

Ion Ratio Lower Upper

77 100

97 14.7 8.5 25.5





#27

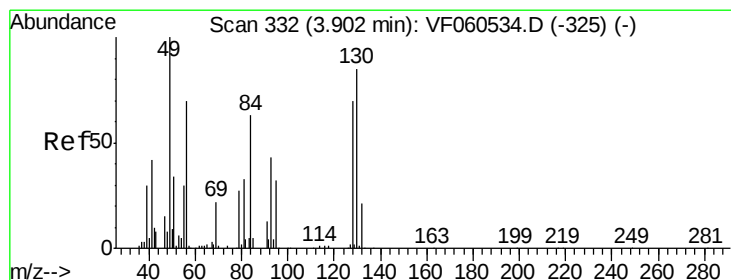
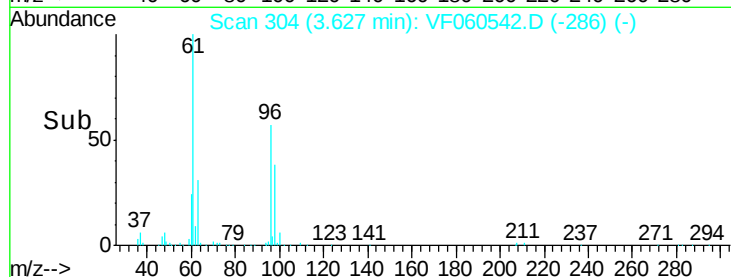
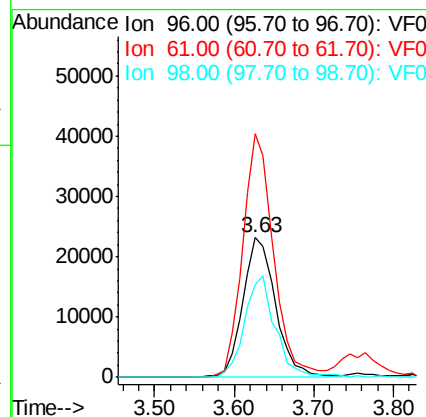
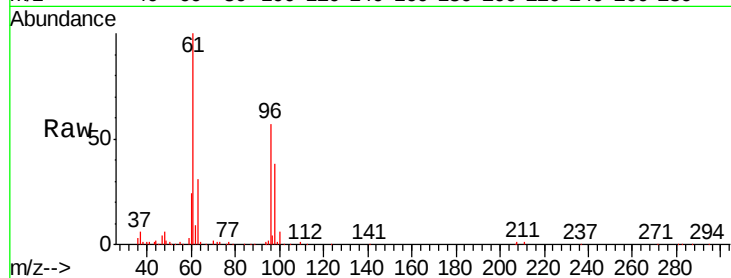
cis-1,2-Dichloroethene
Concen: 19.59 ug/l
RT: 3.63 min Scan# 304
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleID :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	0.0	300.8
98	65.8	0.0	128.4

Manual Integrations
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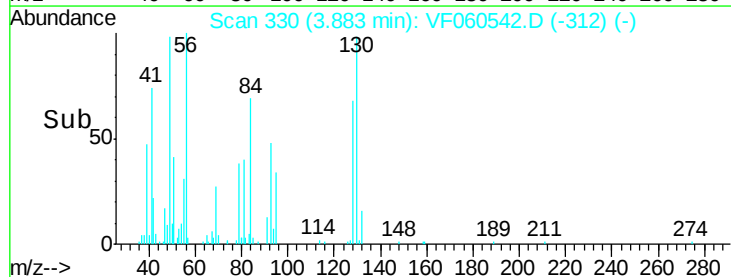
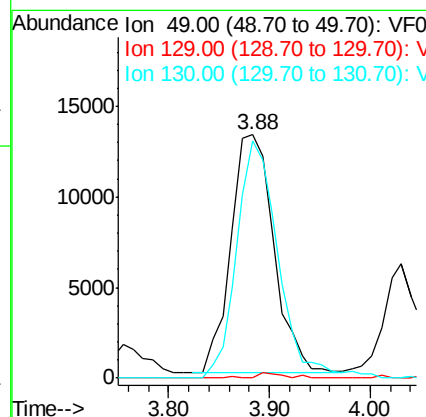
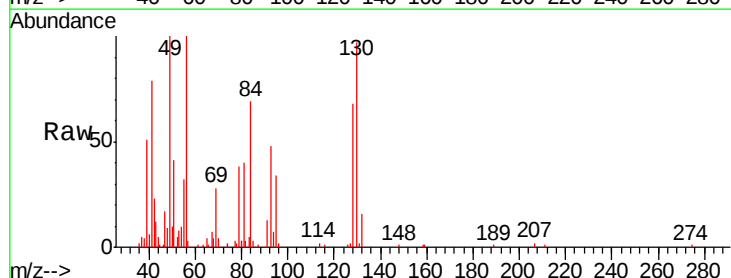
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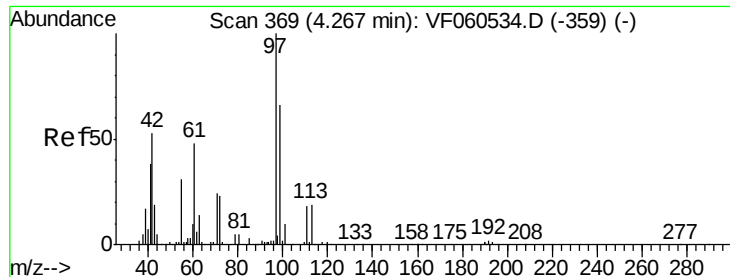


#28

Bromochloromethane
Concen: 19.18 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	97.3	67.5	101.3





#29

Tetrahydrofuran

Concen: 110.49 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

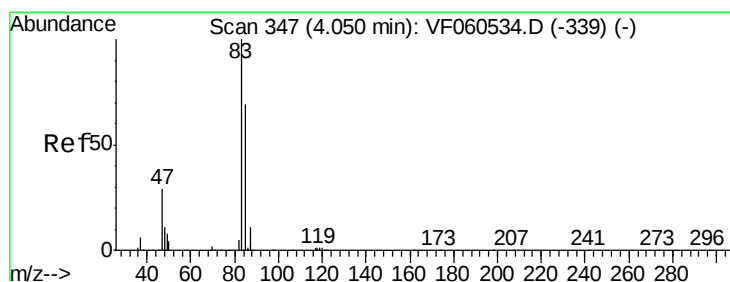
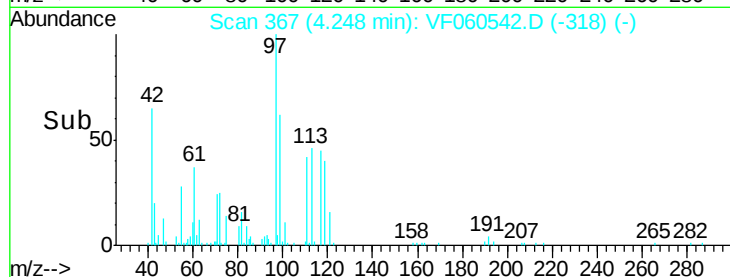
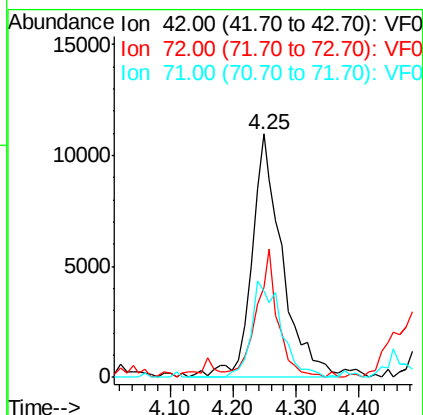
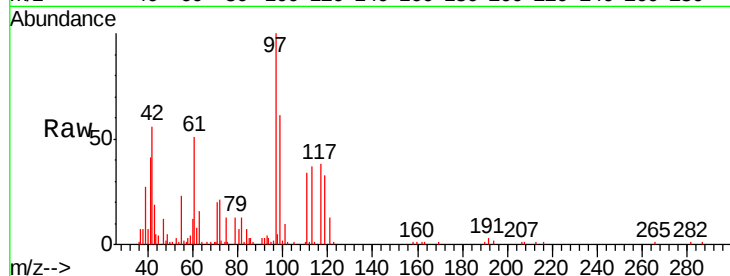
ClientSampled :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.5	32.5	48.7
71	38.5	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 23.47 ug/l

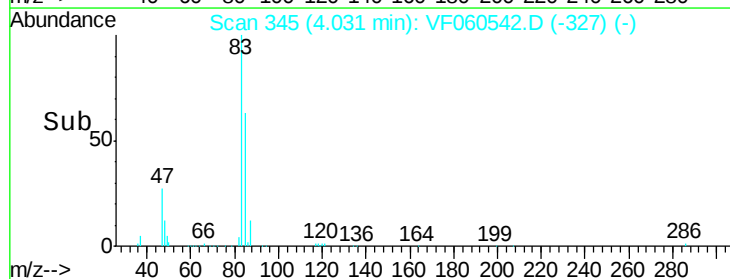
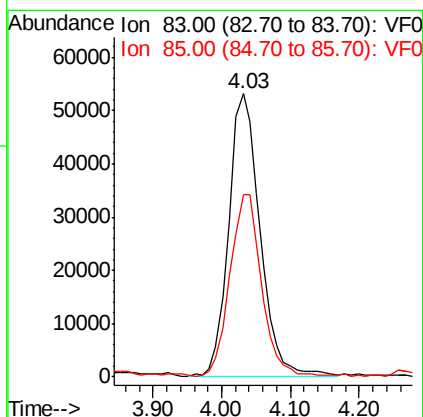
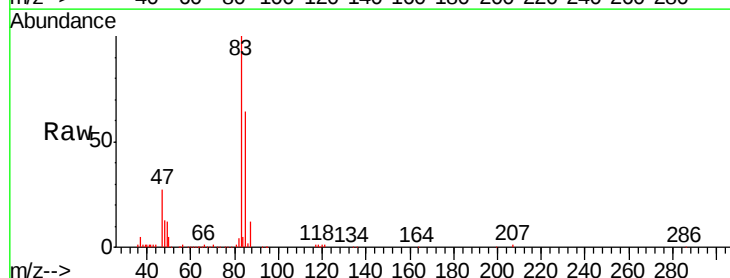
RT: 4.03 min Scan# 345

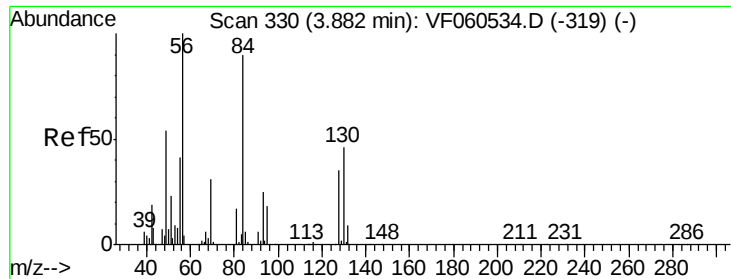
Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	55.0	82.4





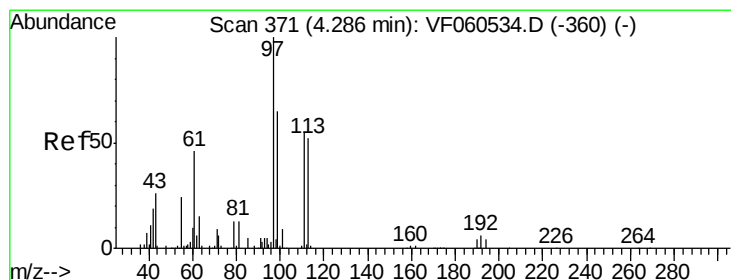
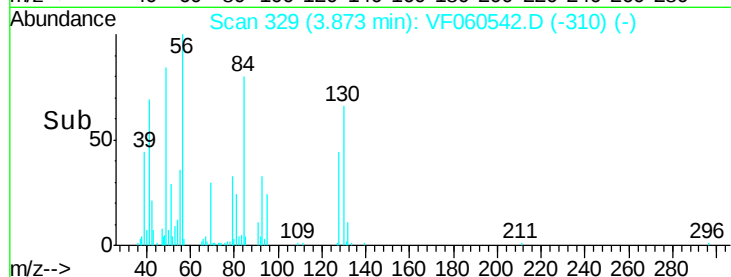
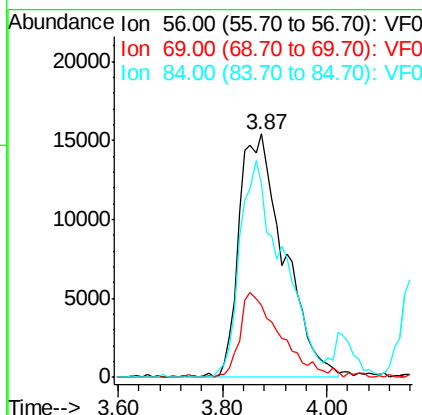
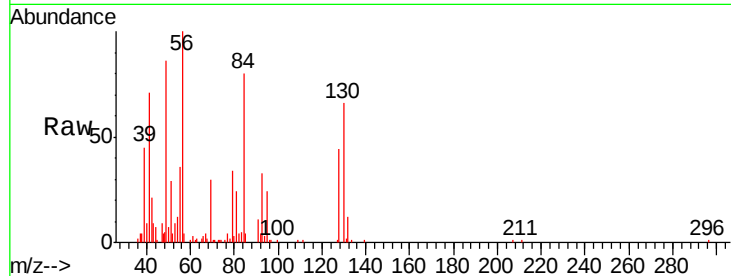
#31
Cyclohexane
Concen: 22.27 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.0	37.6
84	79.7	72.1	108.1

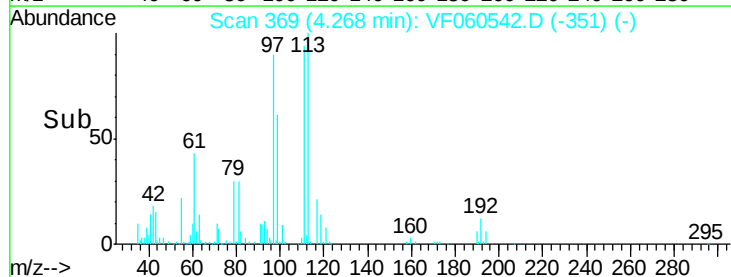
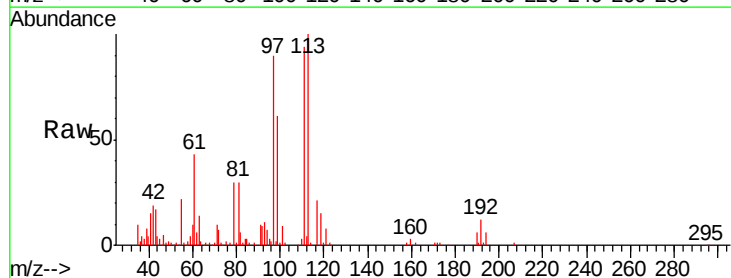
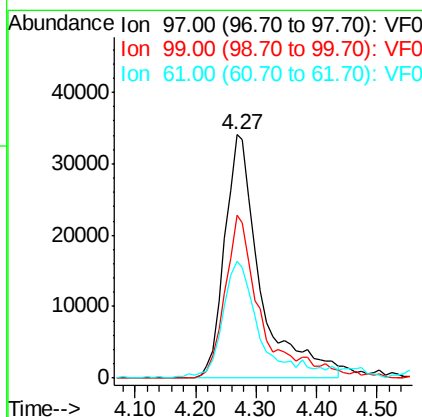
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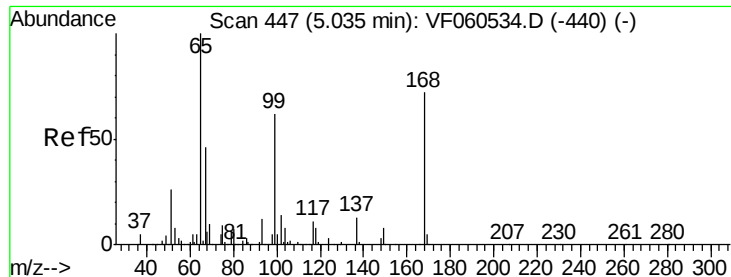
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#32
1,1,1-Trichloroethane
Concen: 23.62 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.7	77.5
61	48.1	36.8	55.2





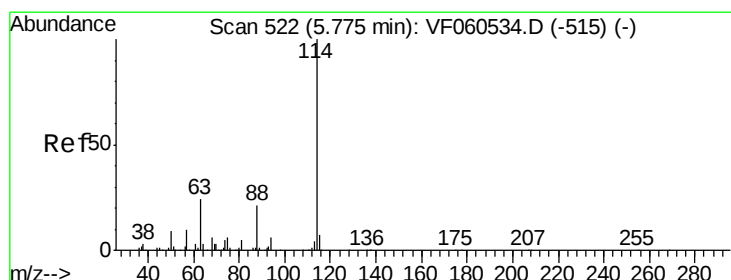
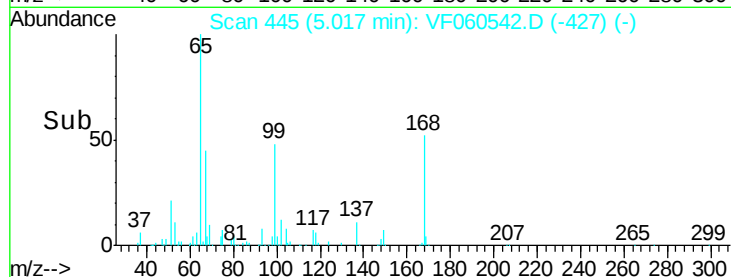
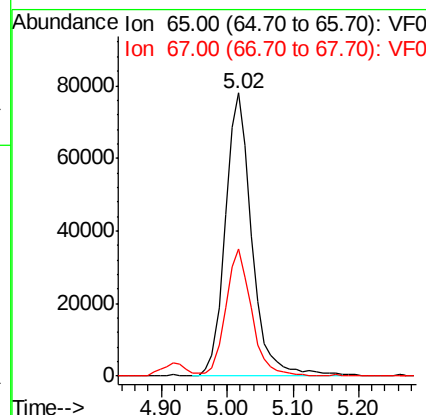
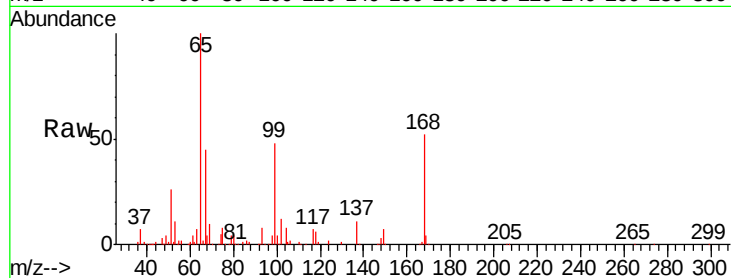
#33
 1,2-Dichloroethane-d4
 Concen: 58.92 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	220456		
67	44.9	0.0	94.4	

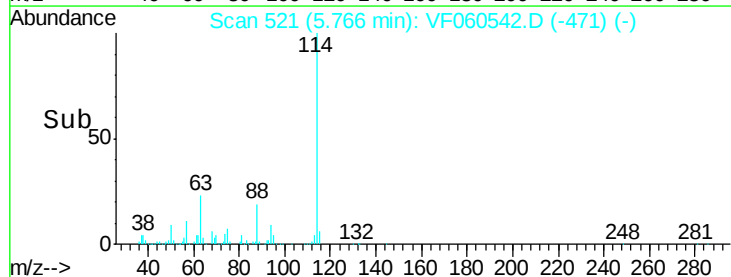
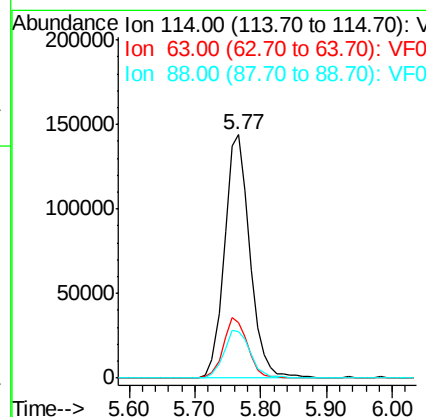
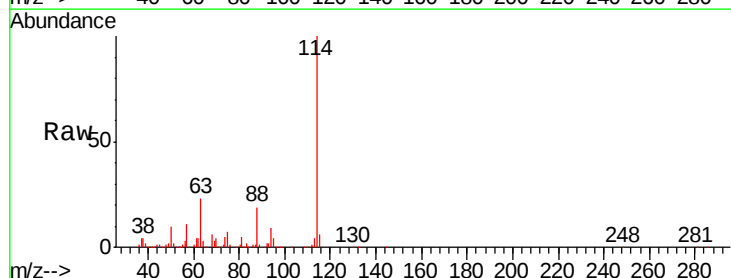
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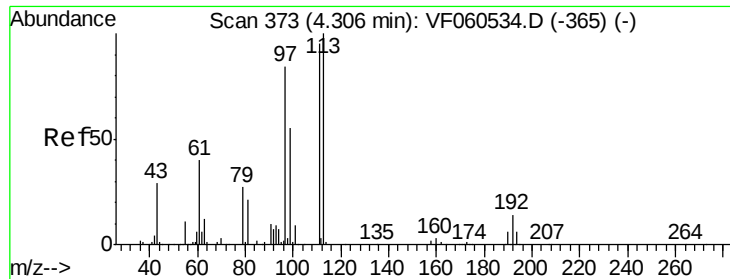
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	388324		
63	22.9	0.0	48.0	
88	19.3	0.0	42.0	





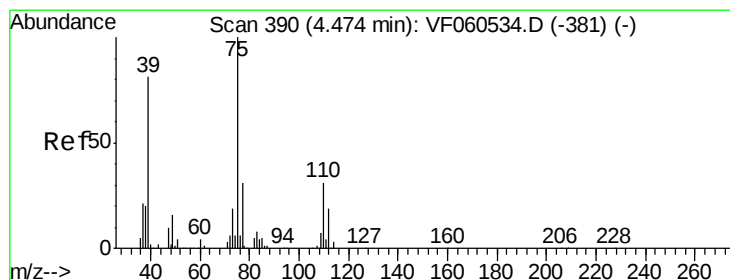
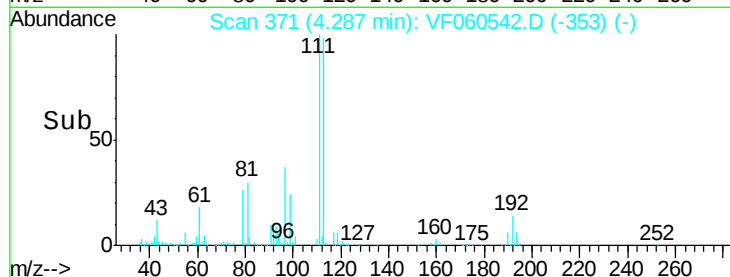
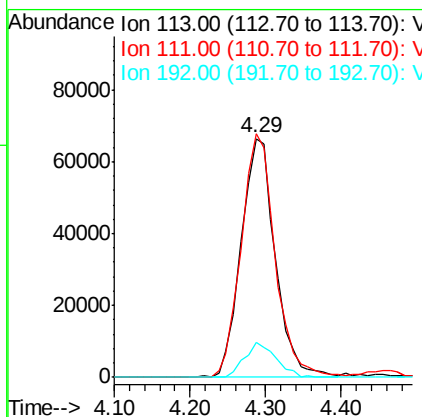
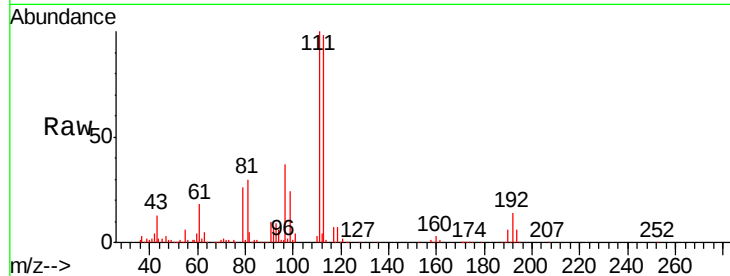
#35
 Dibromofluoromethane
 Concen: 55.74 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	75.9	113.9
192	14.8	11.2	16.8

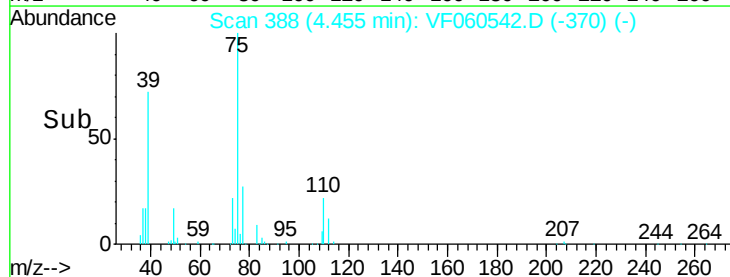
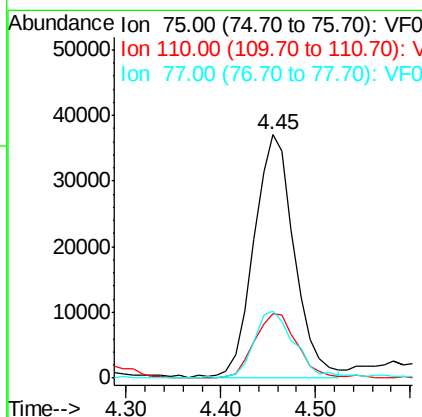
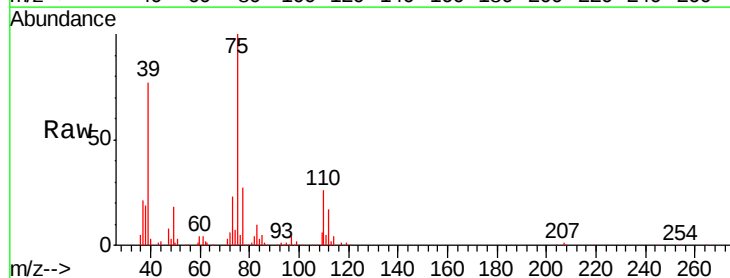
Manual Integrations
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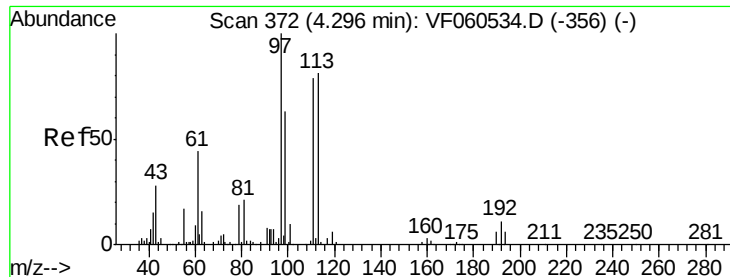
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#36
 1,1-Dichloropropene
 Concen: 22.76 ug/l
 RT: 4.45 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.4	15.3	45.8
77	27.3	24.8	37.2





#37

Ethyl Acetate

Concen: 23.48 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

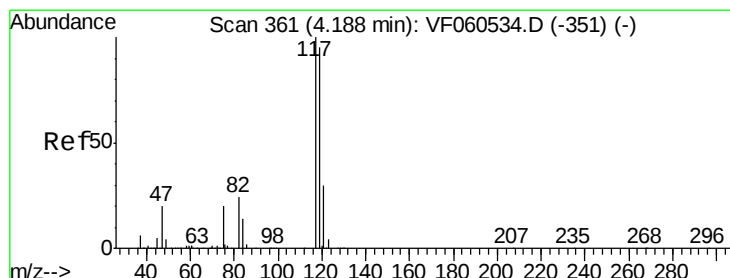
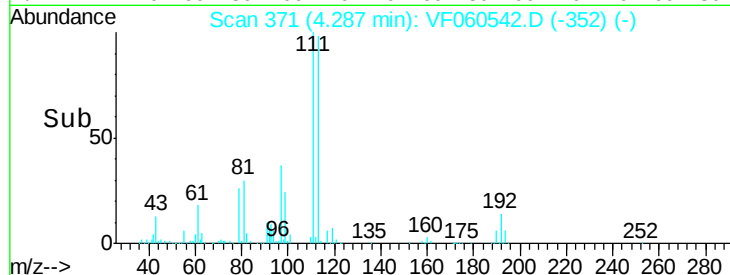
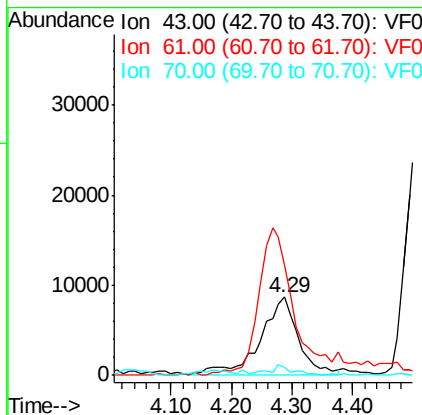
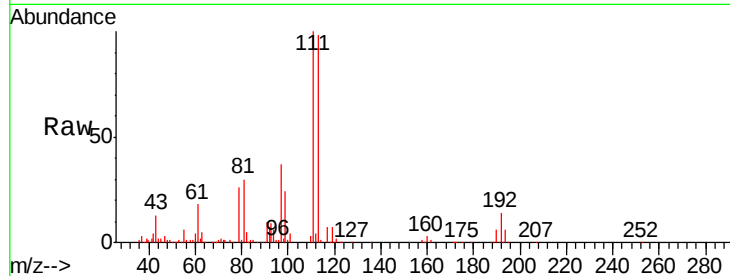
ClientSampleId :

VF1030SBS01

Tgt Ion:	43	Resp:	36775
Ion Ratio	Lower	Upper	
43	100		
61	140.6	123.9	185.9
70	11.0	7.3	10.9#

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#38

Carbon Tetrachloride

Concen: 23.00 ug/l

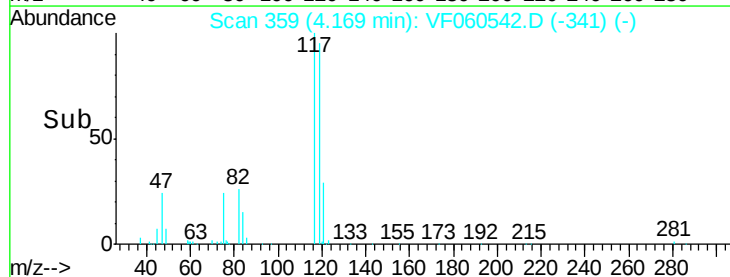
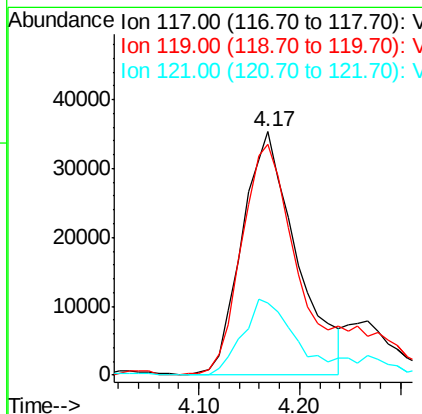
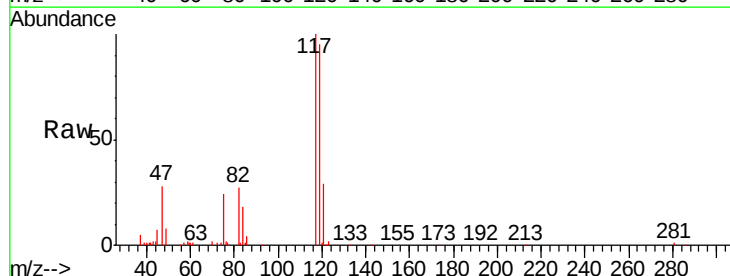
RT: 4.17 min Scan# 359

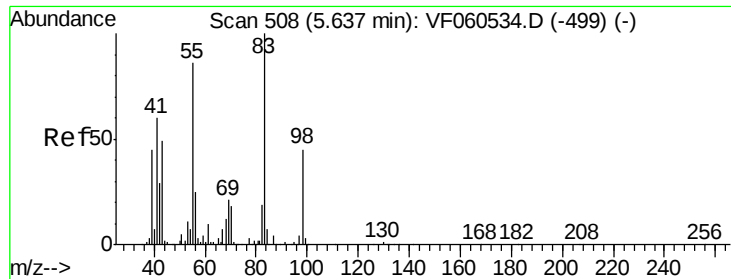
Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	117	Resp:	133247
Ion Ratio	Lower	Upper	
117	100		
119	94.8	76.5	114.7
121	29.4	24.3	36.5





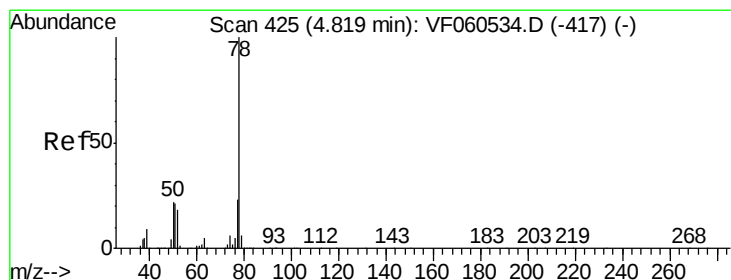
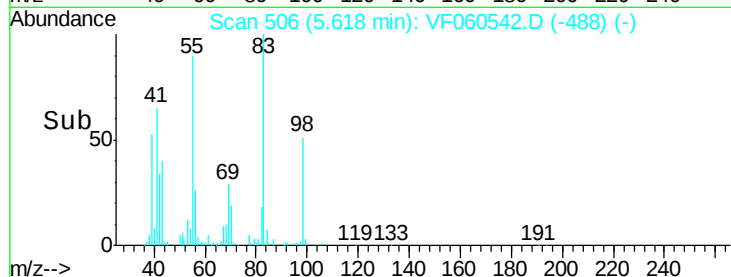
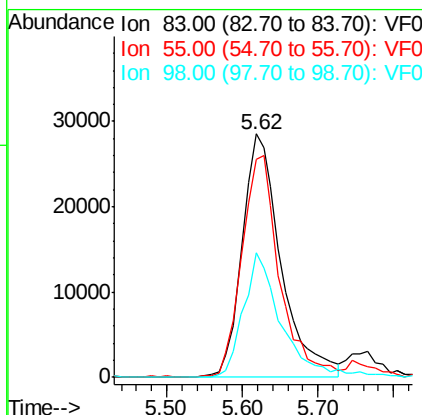
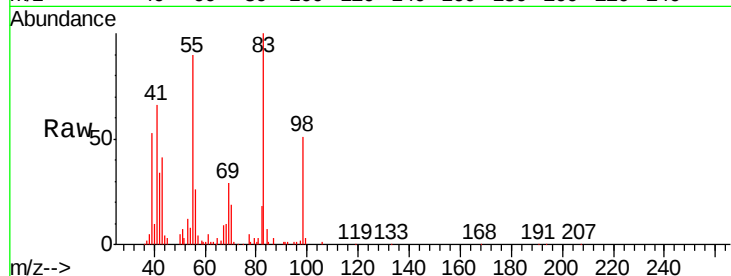
#39
Methylcyclohexane
Concen: 20.91 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.8	69.0	103.4
98	51.1	36.1	54.1

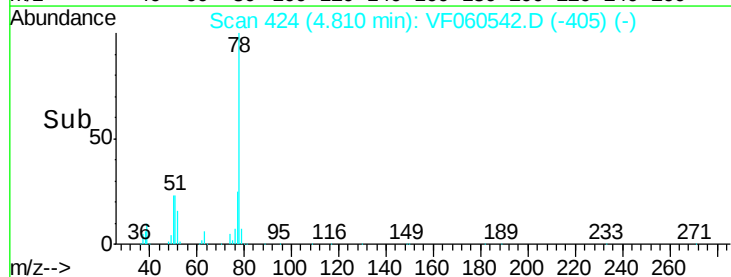
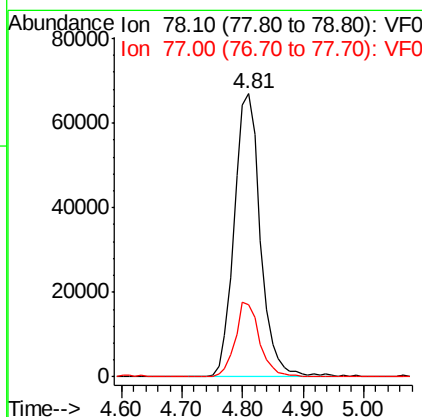
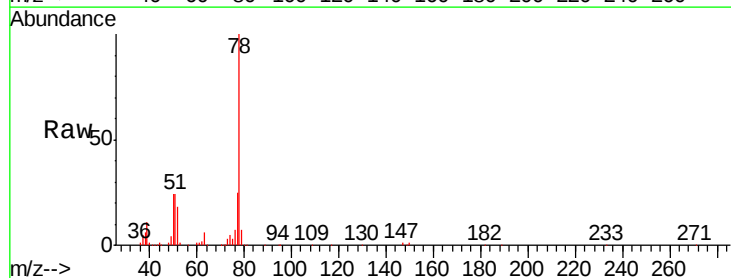
Manual Integrations
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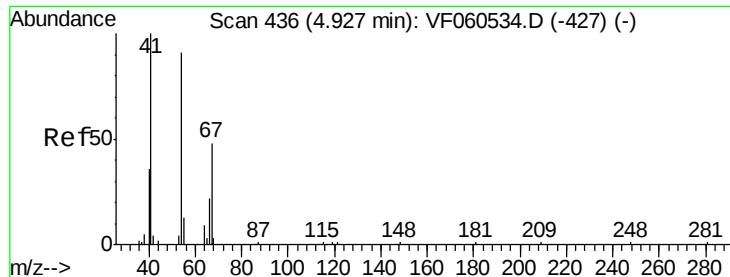
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#40
Benzene
Concen: 21.01 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.5	27.7





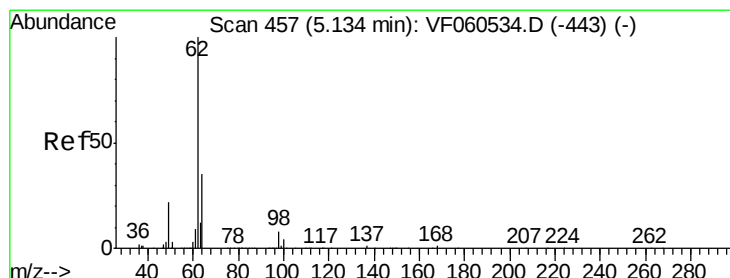
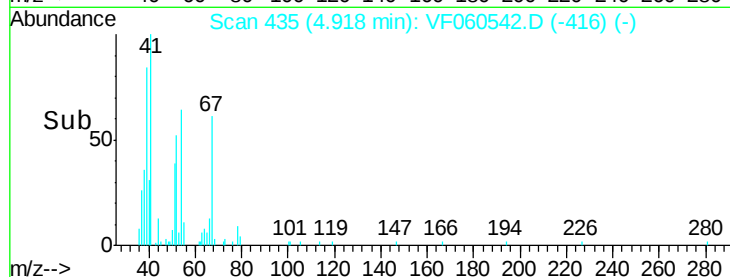
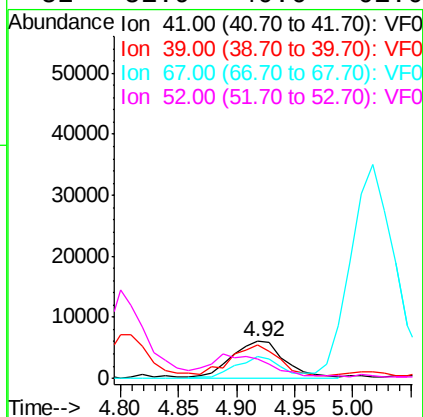
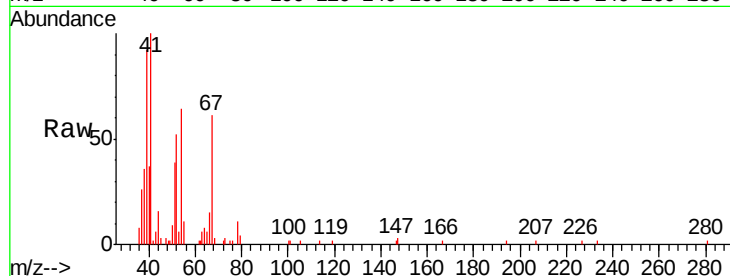
#41
Methacrylonitrile
Concen: 20.83 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	91.7	51.0	76.6#
67	60.6	38.0	57.0#
52	51.9	40.6	61.0

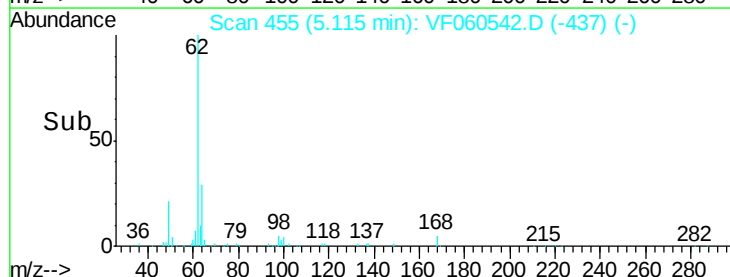
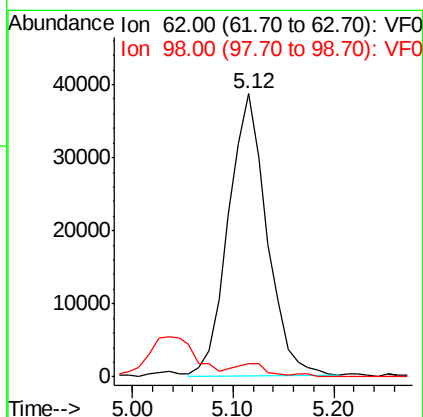
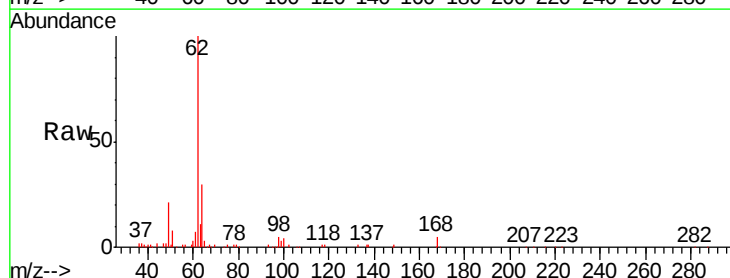
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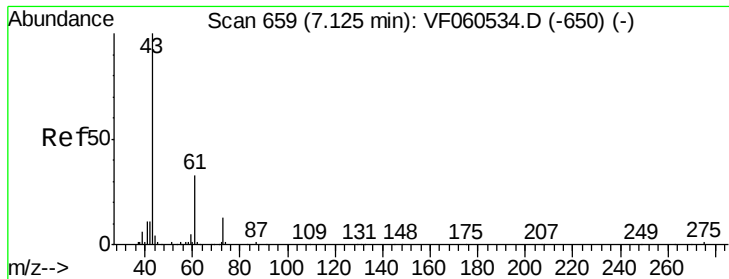
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#42
1,2-Dichloroethane
Concen: 22.91 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	15.8





#43

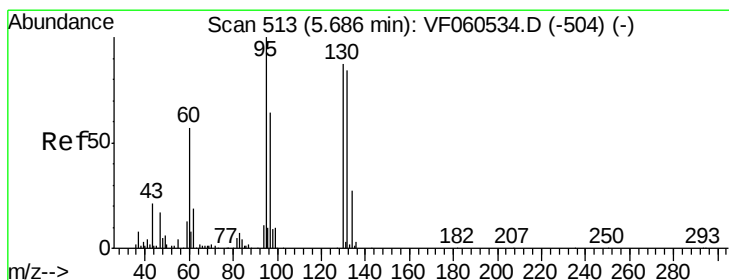
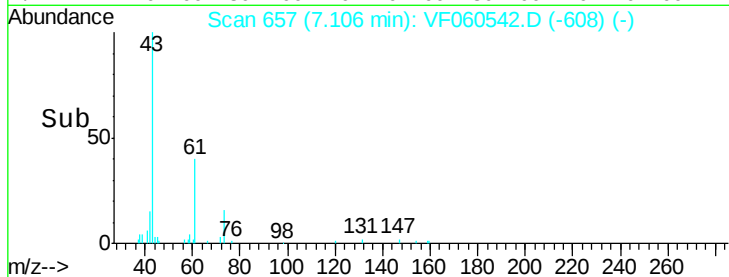
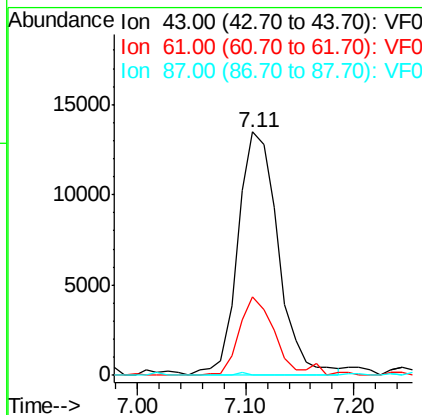
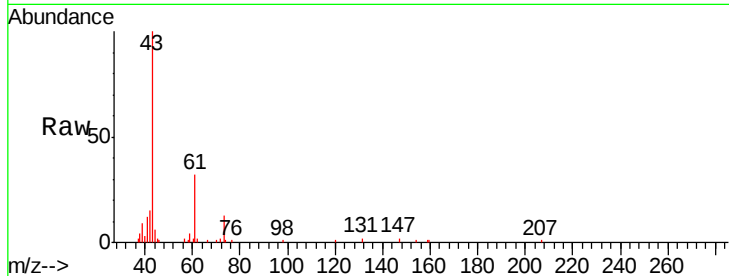
Isopropyl Acetate
 Concen: 18.41 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.6	40.0
87	0.0	0.6	1.0

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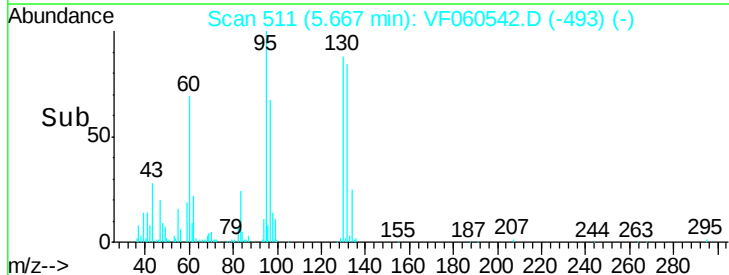
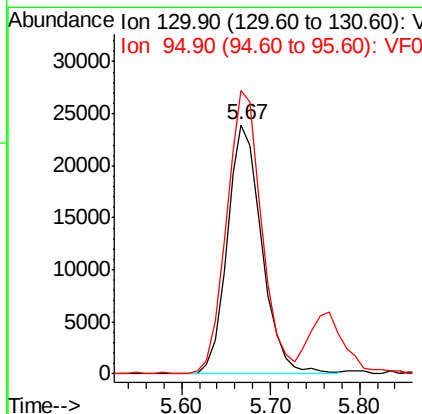
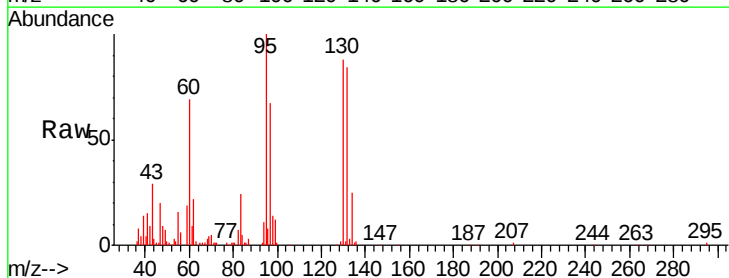
apatel
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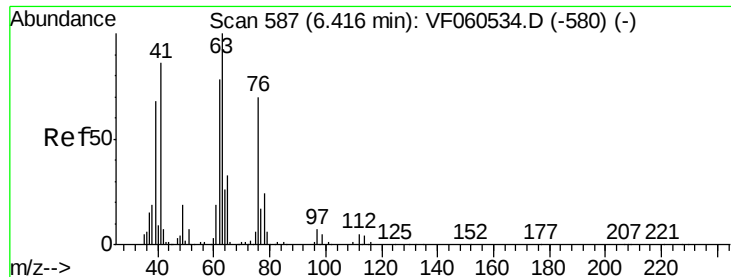


#44

Trichloroethene
 Concen: 20.80 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.7	0.0	229.4





#45

1,2-Dichloropropane

Concen: 19.81 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 63 Resp: 47427

Ion Ratio Lower Upper

63 100

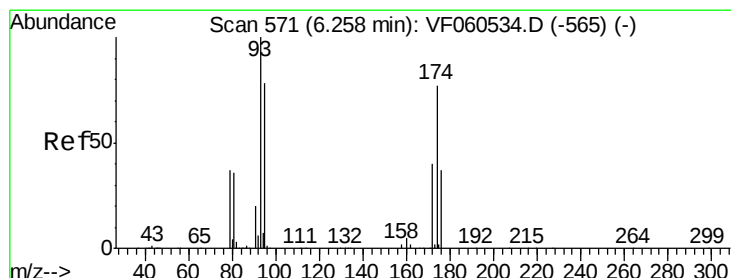
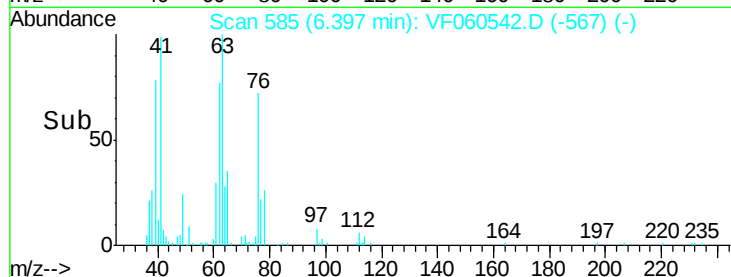
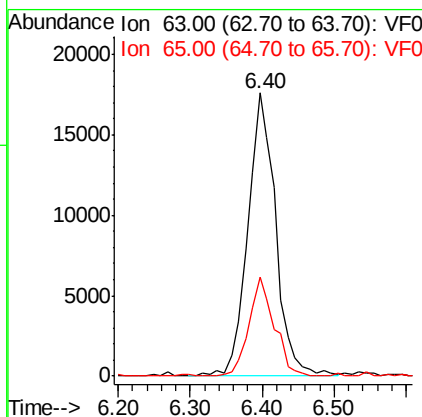
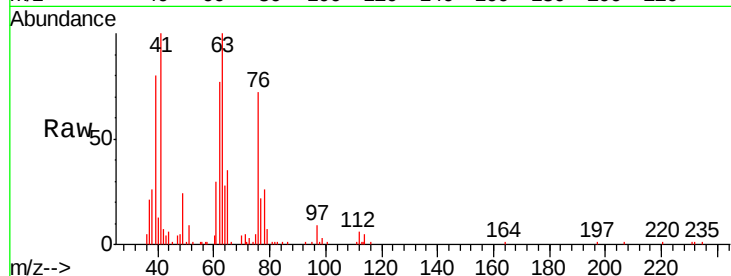
65 34.8 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 21.25 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

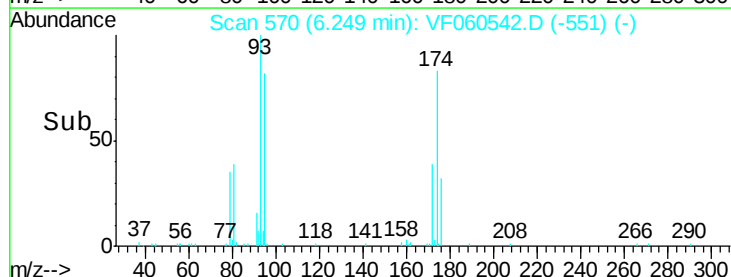
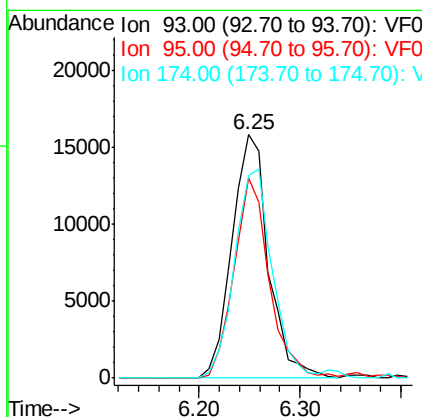
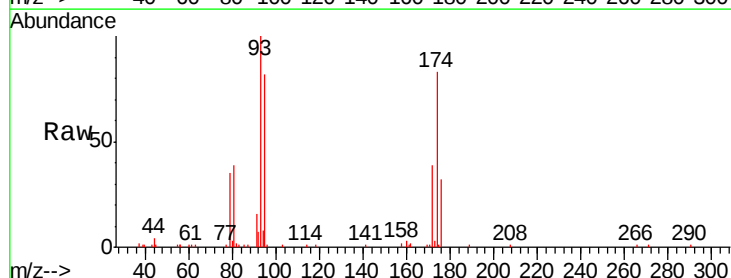
Tgt Ion: 93 Resp: 39953

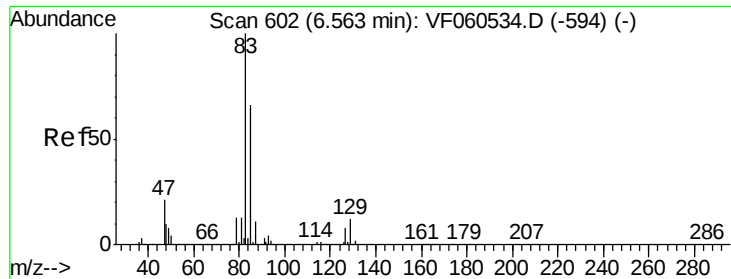
Ion Ratio Lower Upper

93 100

95 82.2 64.3 96.5

174 83.3 63.3 94.9





#47

Bromodichloromethane

Concen: 22.48 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

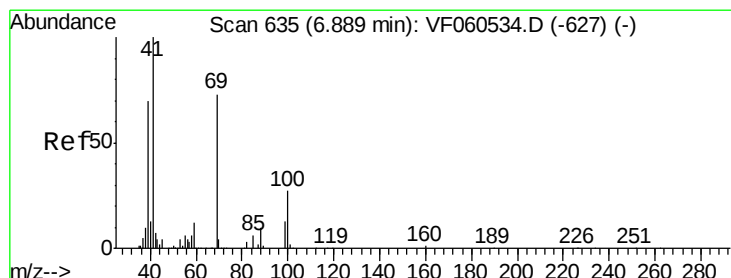
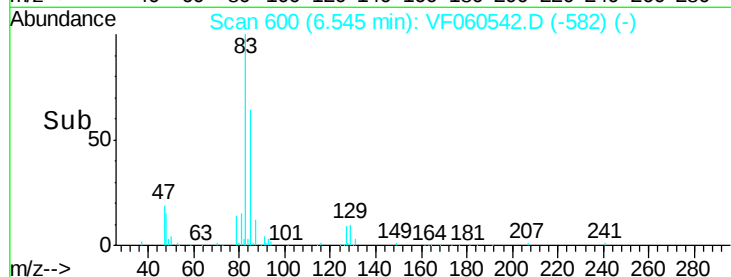
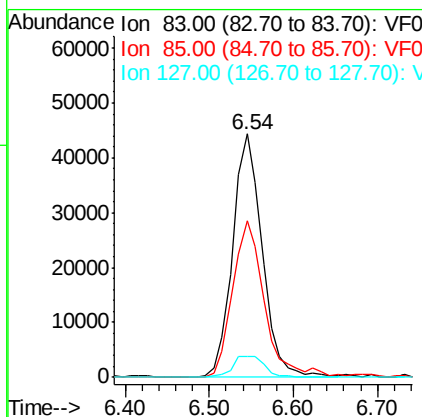
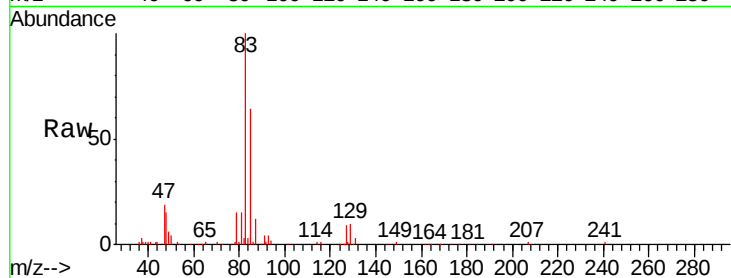
ClientSampleId :

VF1030SBS01

Tgt Ion:	83	Resp:	108450
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.7	79.1
127	8.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.41 ug/l

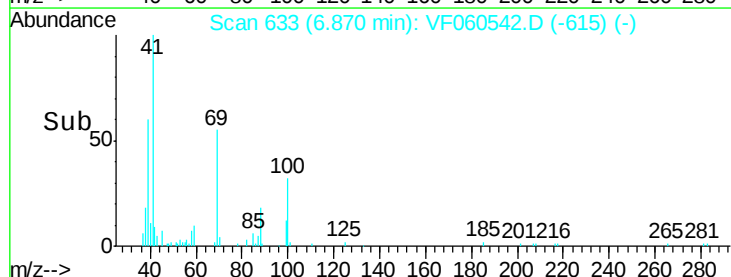
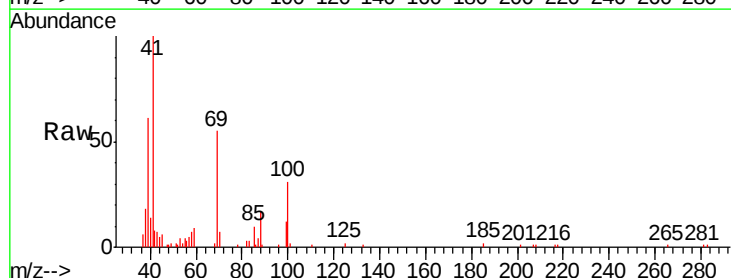
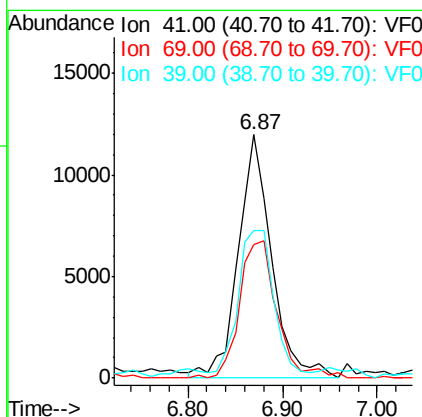
RT: 6.87 min Scan# 633

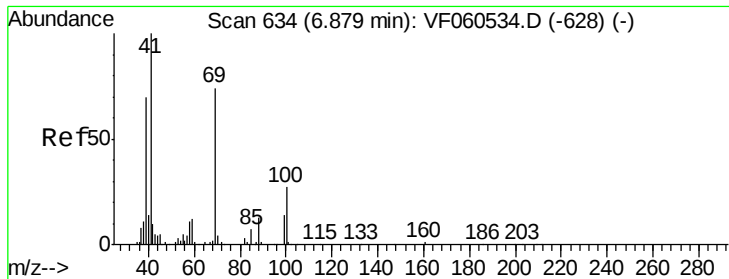
Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	41	Resp:	29304
Ion Ratio	Lower	Upper	
41	100		
69	54.8	58.4	87.6#
39	60.8	56.4	84.6





#49

1,4-Dioxane

Concen: 304.23 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

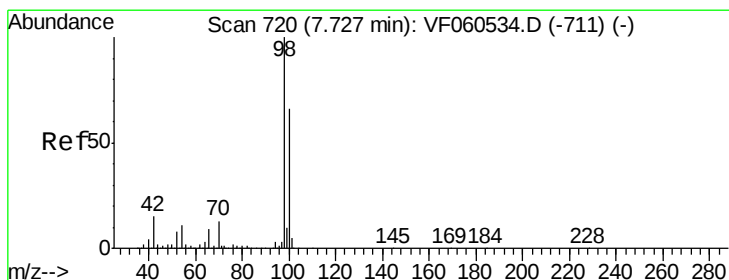
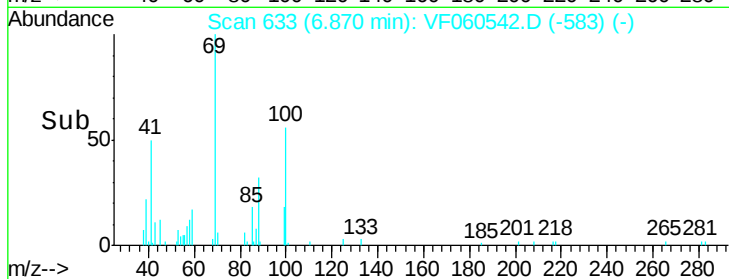
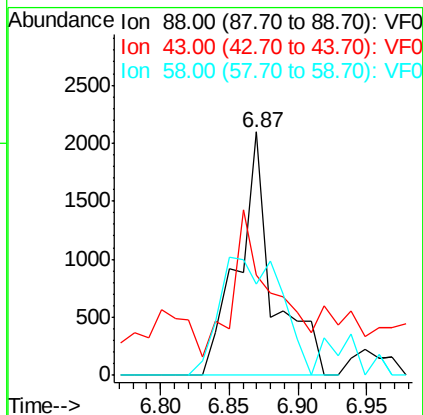
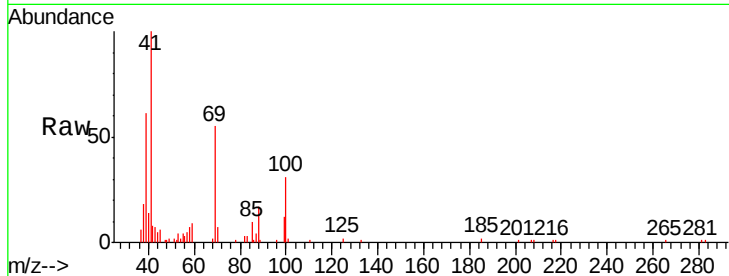
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.9	49.7	74.5#
58	37.7	67.7	101.5#

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#50

Toluene-d8

Concen: 50.65 ug/l

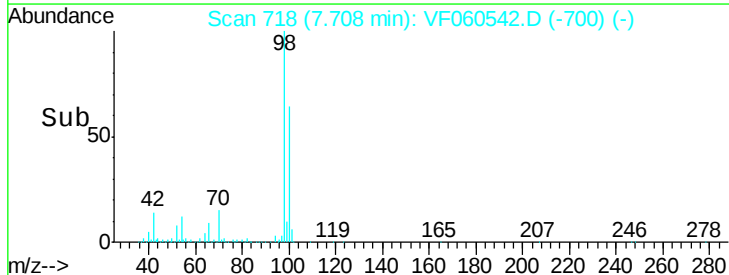
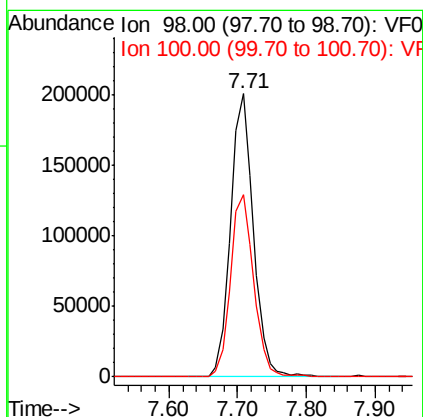
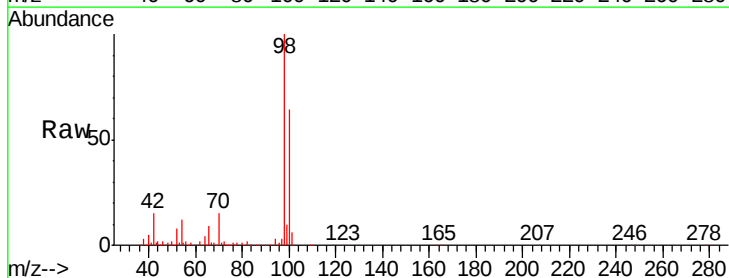
RT: 7.71 min Scan# 718

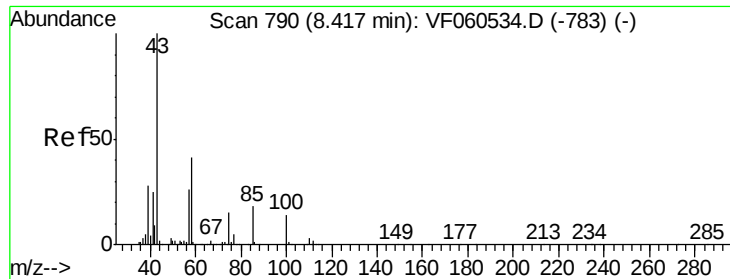
Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 99.51 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 43 Resp: 136655

Ion Ratio Lower Upper

43 100

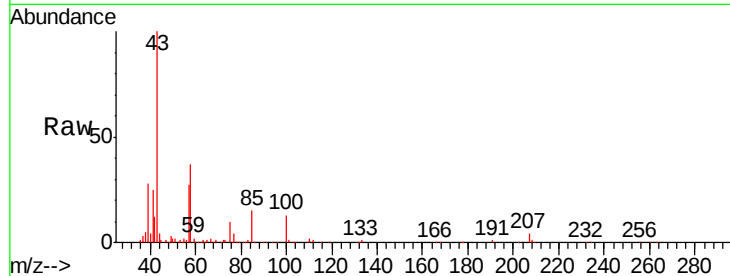
58 36.7 32.6 49.0

Manual Integrations

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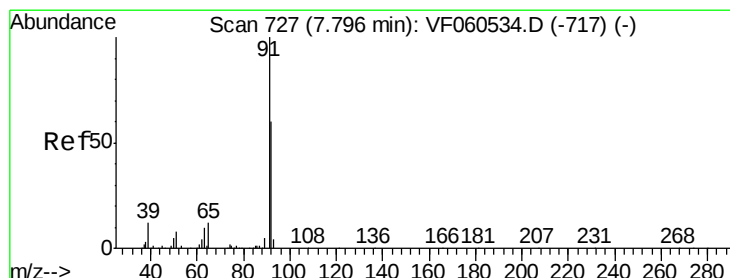
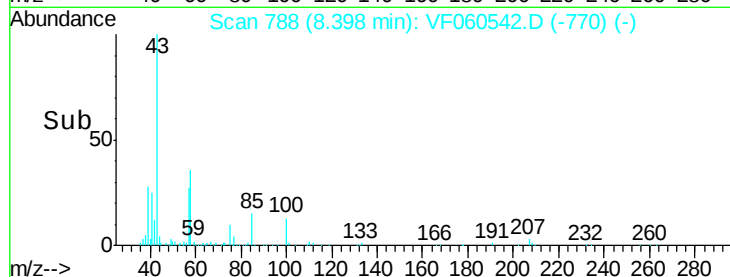
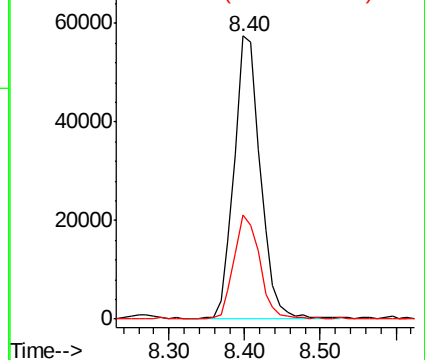
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.56 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060542.D

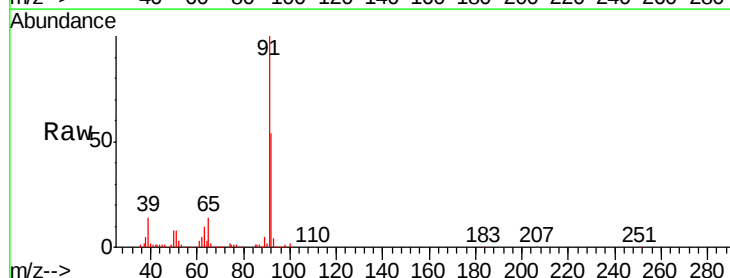
Acq: 30 Oct 2018 13:29

Tgt Ion: 92 Resp: 115609

Ion Ratio Lower Upper

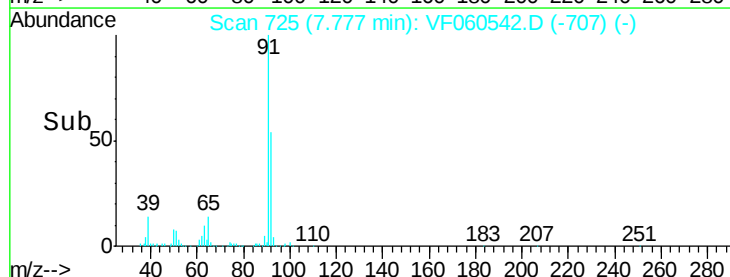
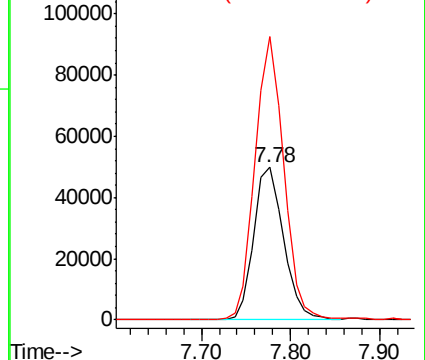
92 100

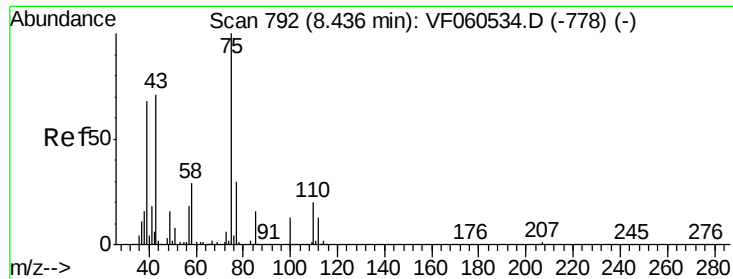
91 185.5 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





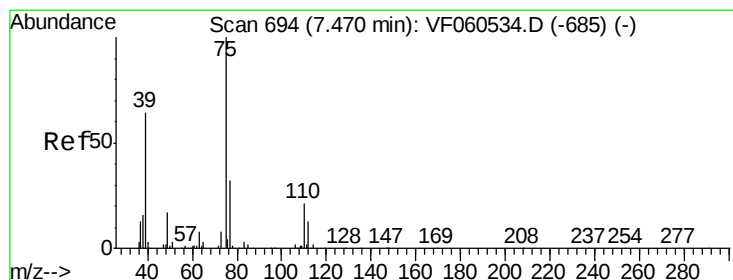
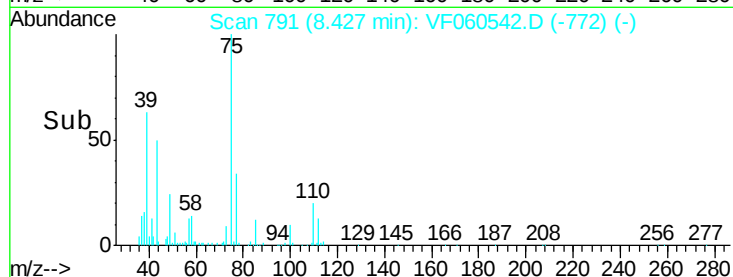
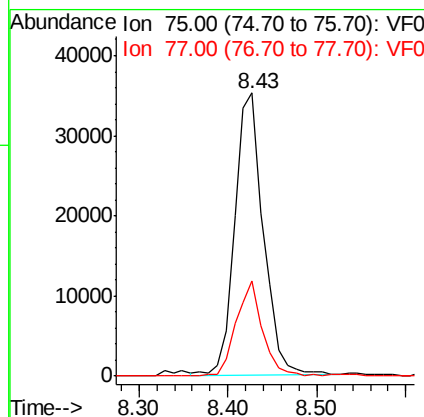
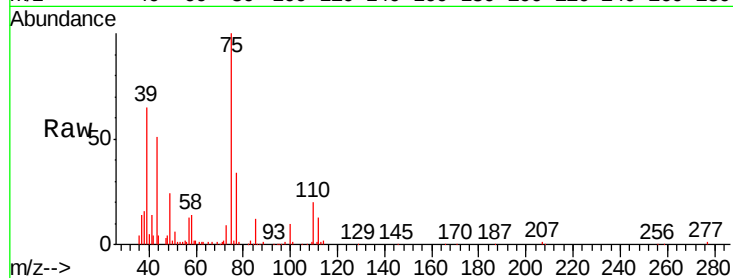
#53
t-1,3-Dichloropropene
Concen: 20.86 ug/l
RT: 8.43 min Scan# 791
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 75 Resp: 78636
Ion Ratio Lower Upper
75 100
77 33.8 24.2 36.4

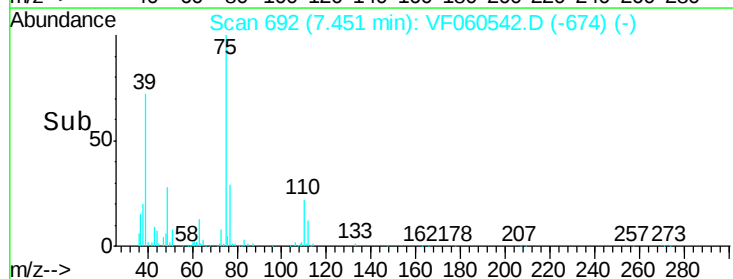
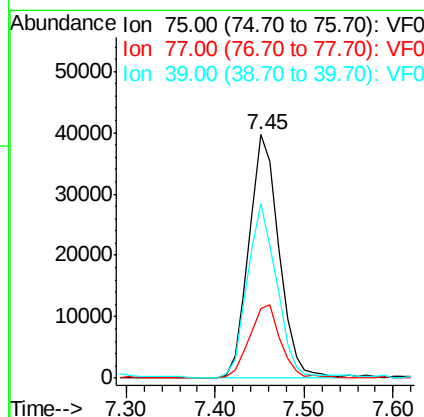
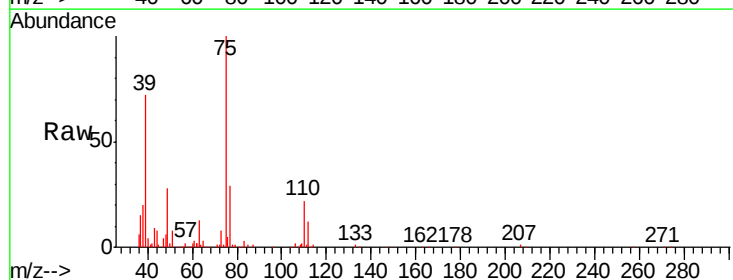
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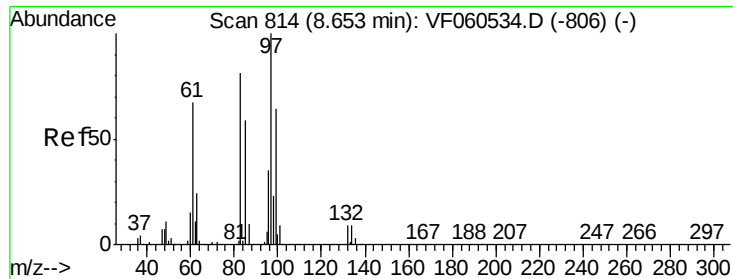
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.78 ug/l
RT: 7.45 min Scan# 692
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 75 Resp: 92825
Ion Ratio Lower Upper
75 100
77 28.7 25.7 38.5
39 71.8 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 18.55 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

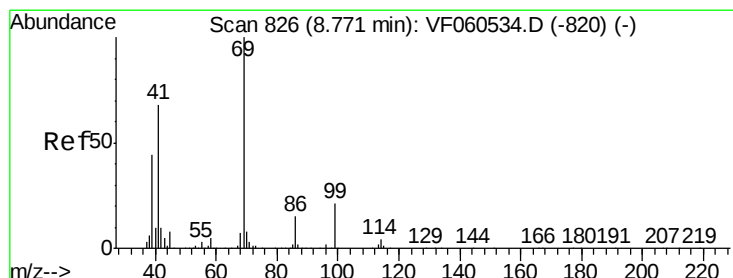
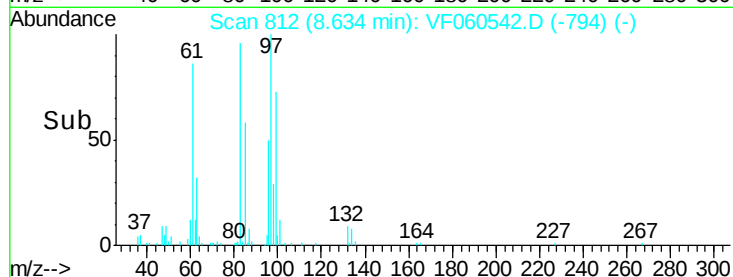
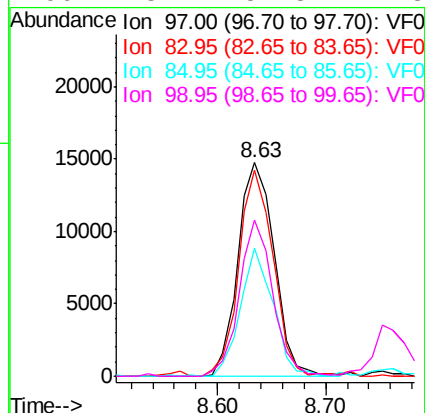
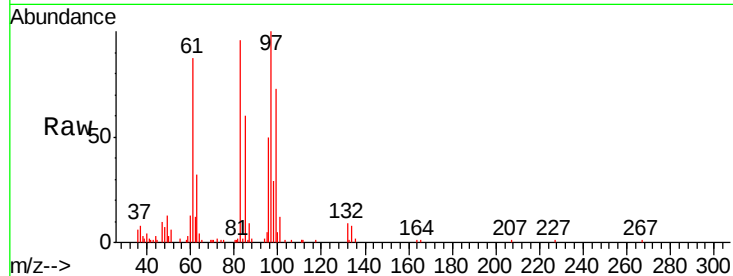
ClientSampleId :

VF1030SBS01

Tgt Ion:	97	Resp:	34632
Ion	Ratio	Lower	Upper
97	100		
83	96.5	65.3	97.9
85	60.0	47.6	71.4
99	73.4	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.78 ug/l

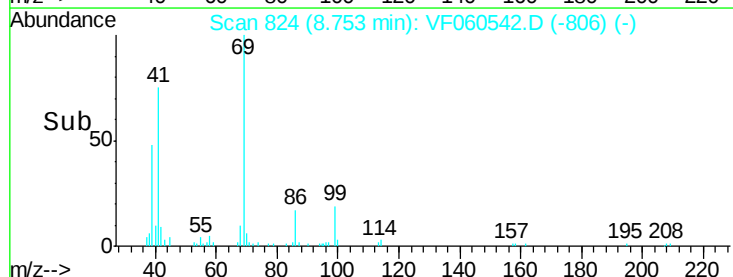
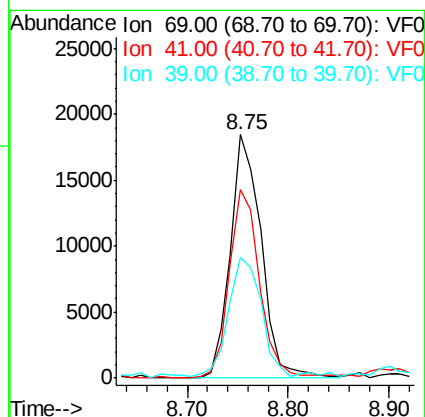
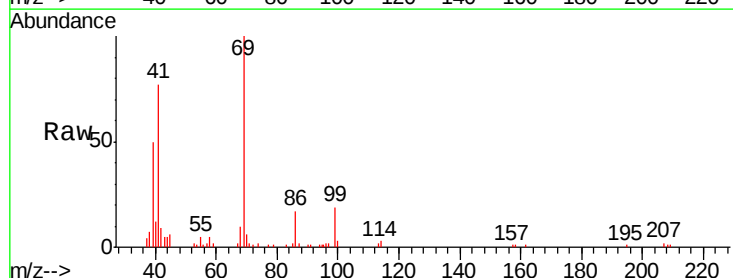
RT: 8.75 min Scan# 824

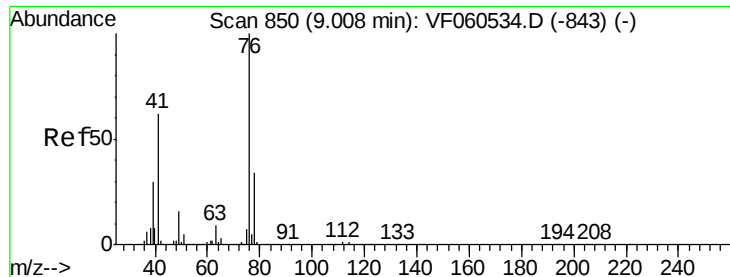
Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	69	Resp:	39330
Ion	Ratio	Lower	Upper
69	100		
41	77.2	55.0	82.6
39	49.8	35.1	52.7





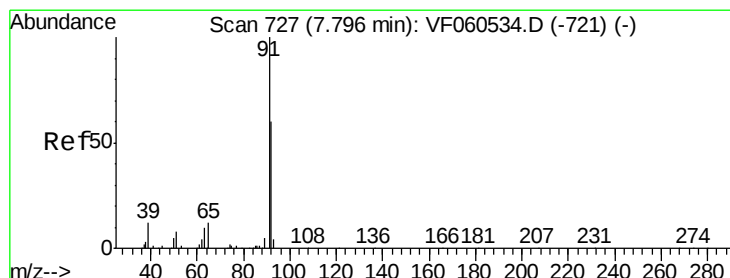
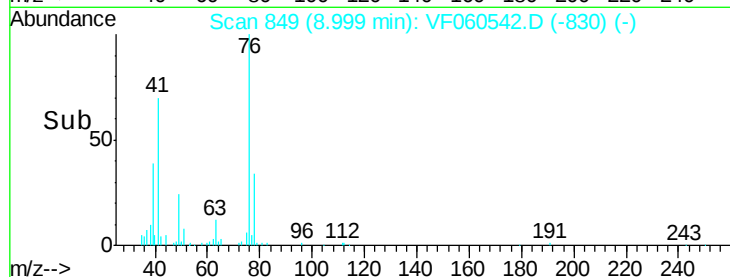
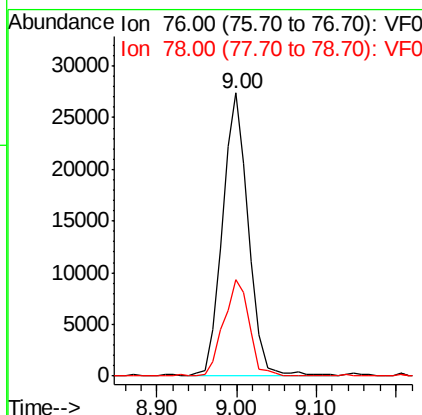
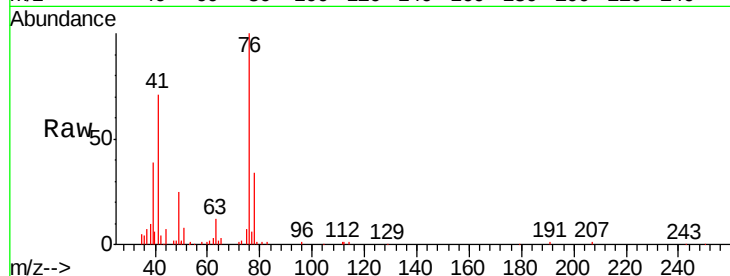
#57
 1,3-Dichloropropane
 Concen: 19.86 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion: 76 Resp: 62746
 Ion Ratio Lower Upper
 76 100
 78 34.2 27.3 40.9

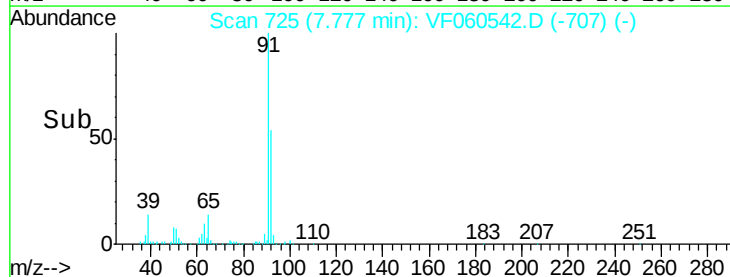
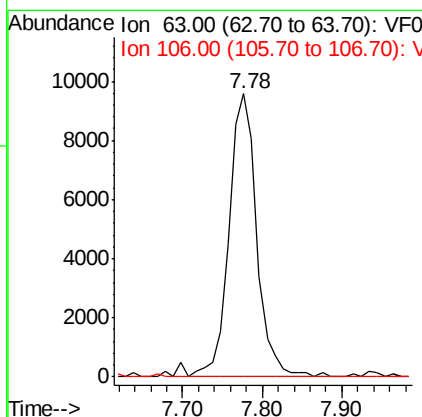
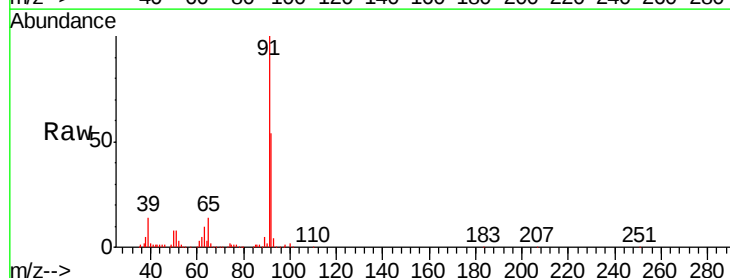
Manual Integrations
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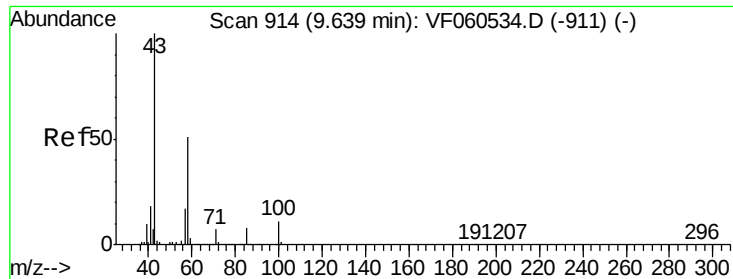
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.12 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion: 63 Resp: 23339
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





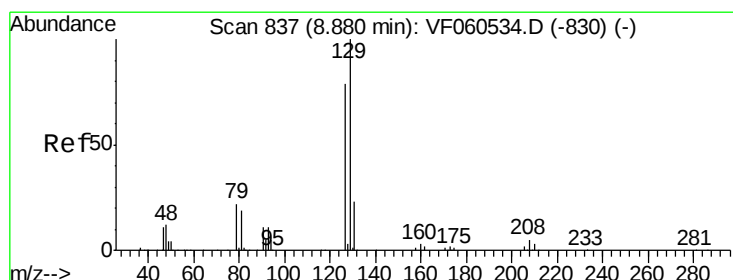
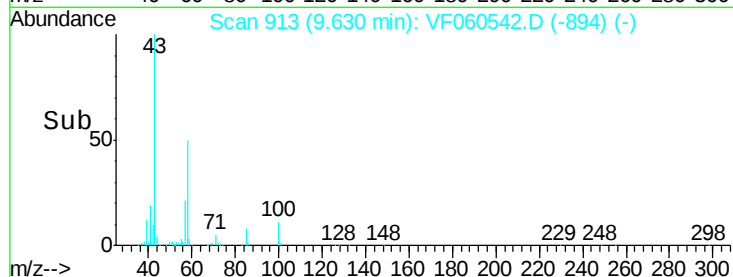
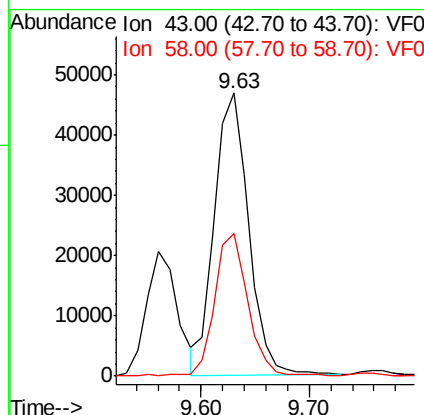
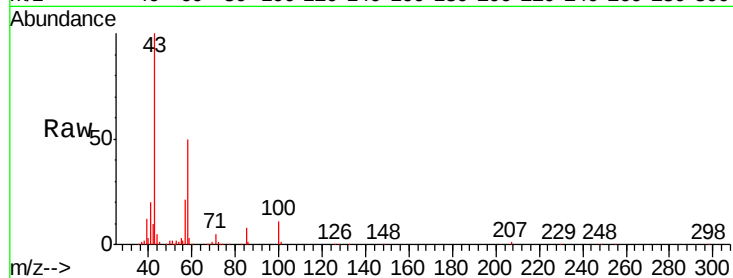
#59
2-Hexanone
Concen: 97.43 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 43 Resp: 102646
Ion Ratio Lower Upper
43 100
58 50.4 24.1 72.3

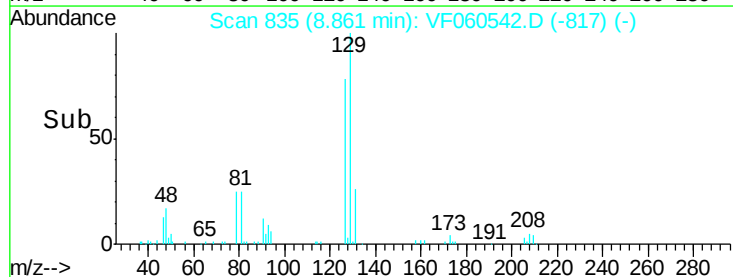
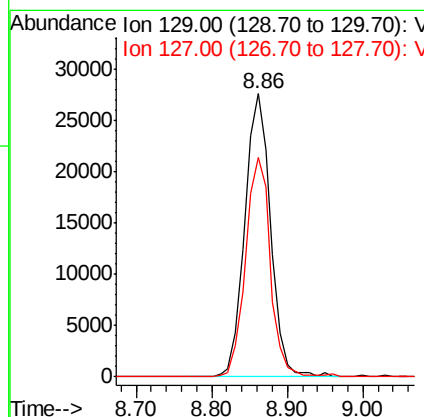
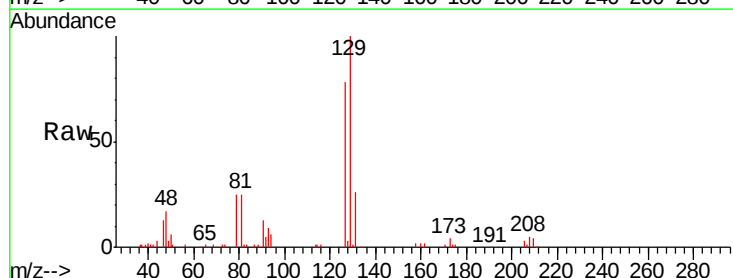
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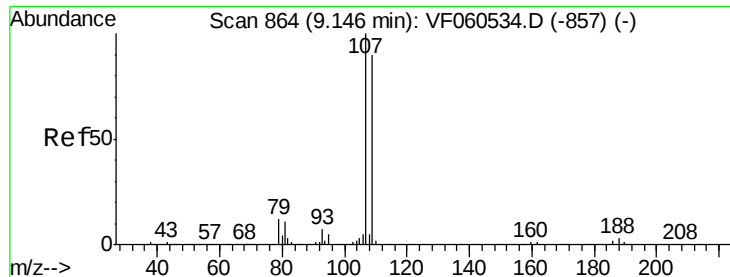
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#60
Dibromochloromethane
Concen: 21.66 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 129 Resp: 65128
Ion Ratio Lower Upper
129 100
127 77.6 39.6 119.0





#61

1,2-Dibromoethane

Concen: 19.95 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 107 Resp: 43122

Ion Ratio Lower Upper

107 100

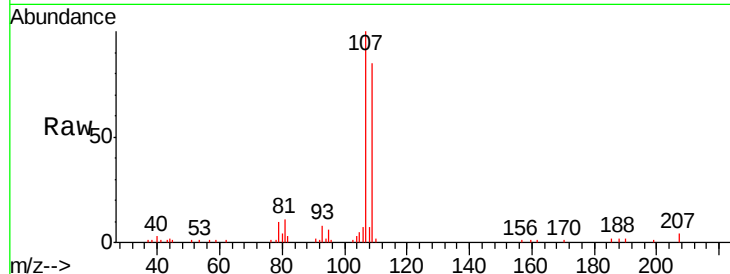
109 84.8 72.2 108.2

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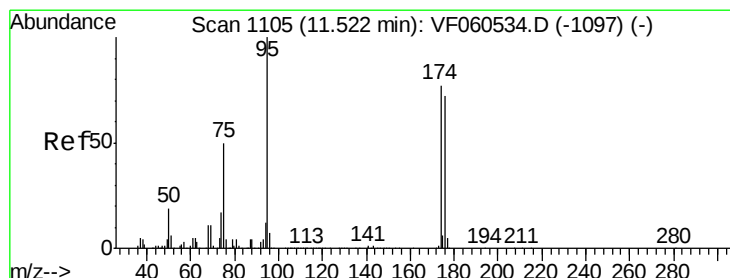
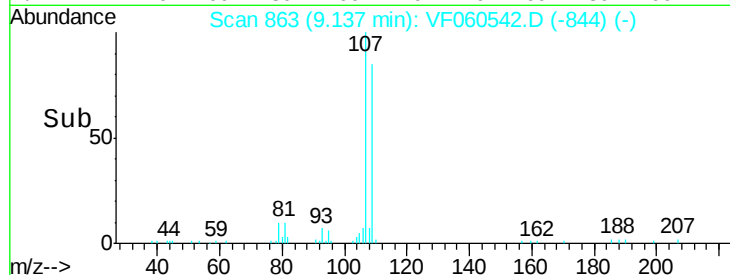
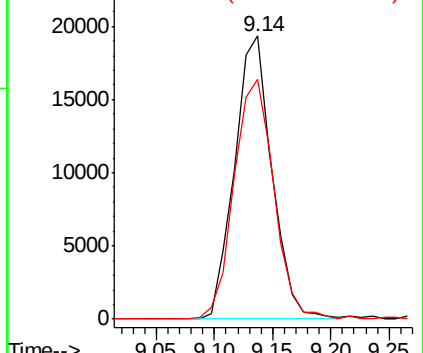
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.63 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

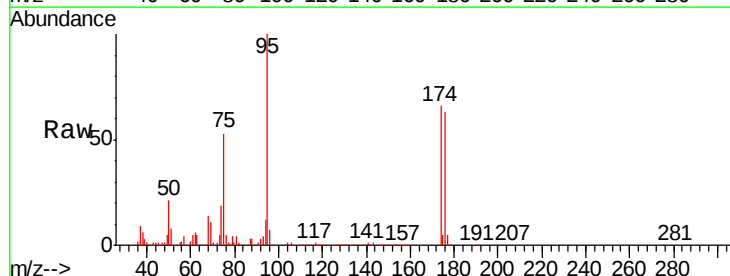
Tgt Ion: 95 Resp: 199702

Ion Ratio Lower Upper

95 100

174 65.9 0.0 153.8

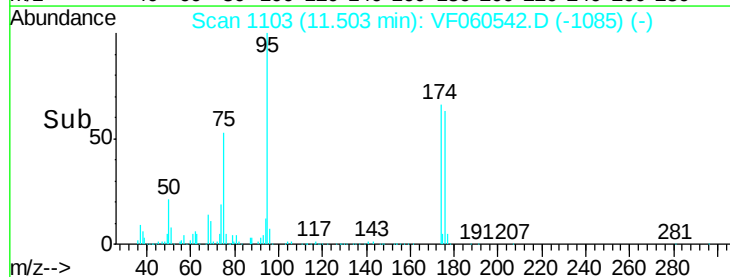
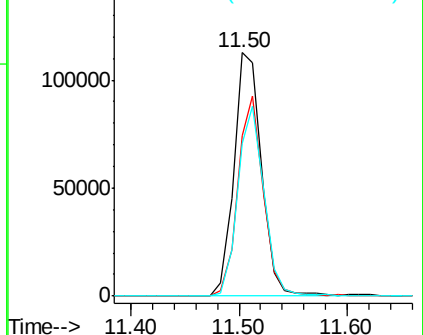
176 62.9 0.0 143.6

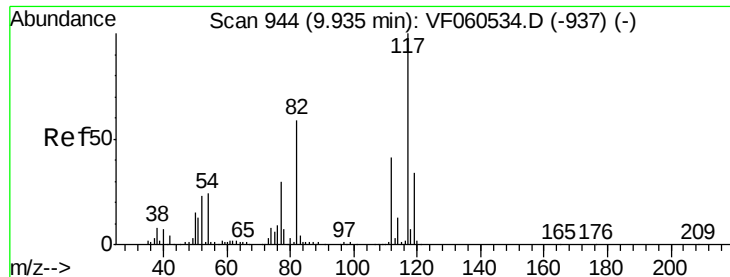


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





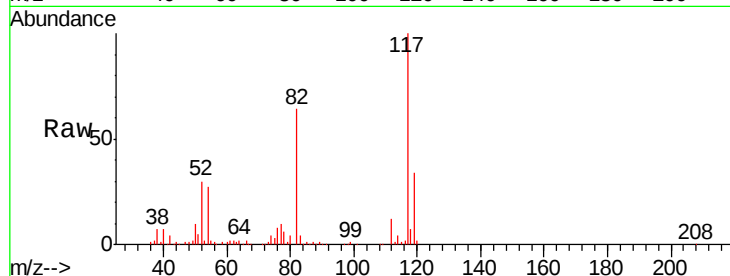
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

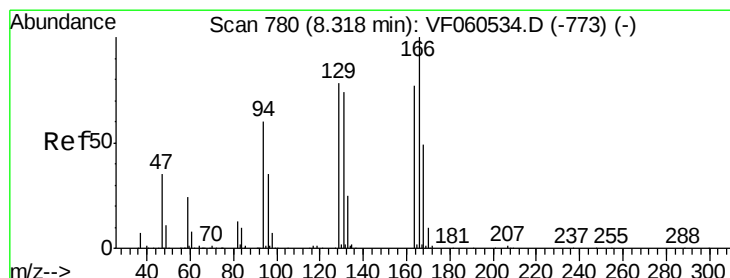
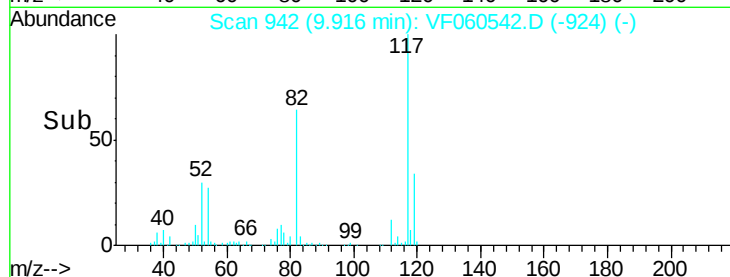
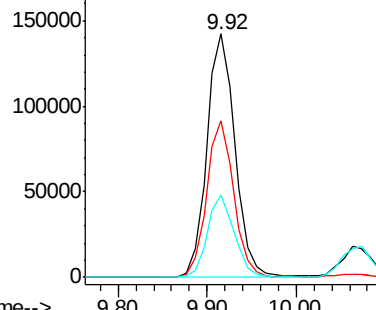
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	313453		
82	64.5	47.6	71.4	
119	34.0	27.3	40.9	

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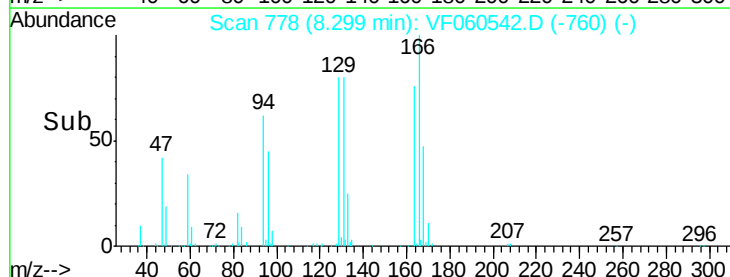
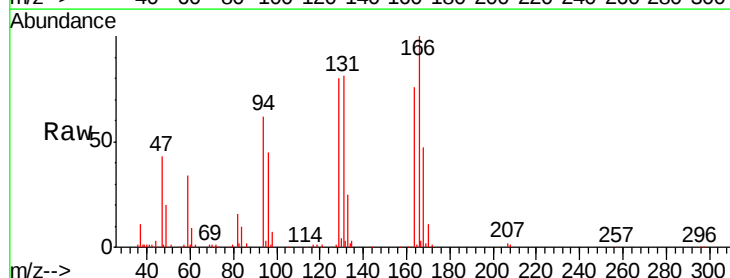
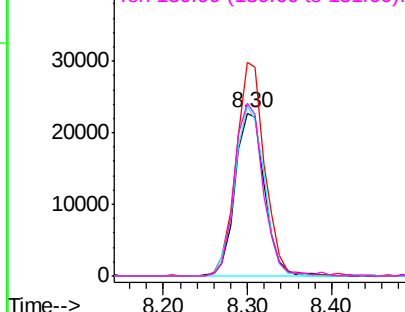
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

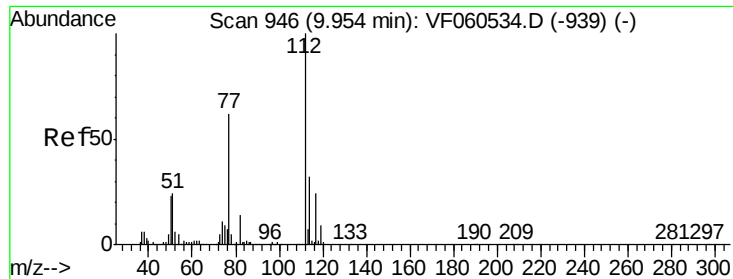


#64
Tetrachloroethene
Concen: 21.02 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55692		
166	131.3	103.4	155.2	
129	104.7	80.7	121.1	
131	106.1	76.3	114.5	

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





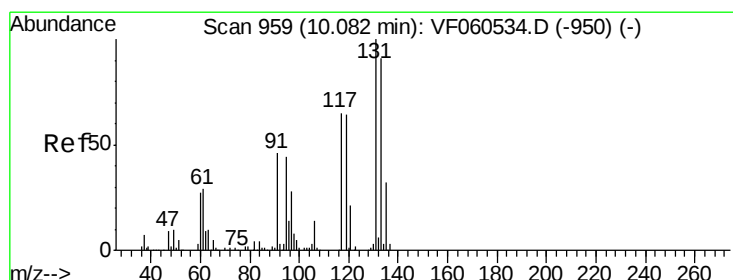
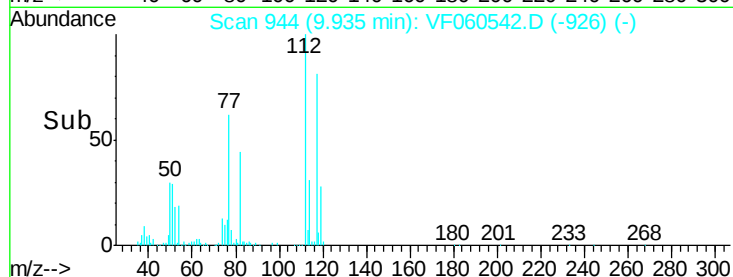
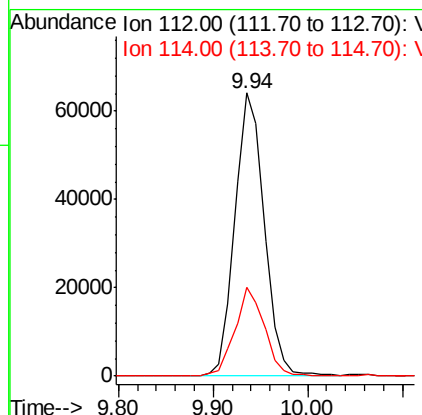
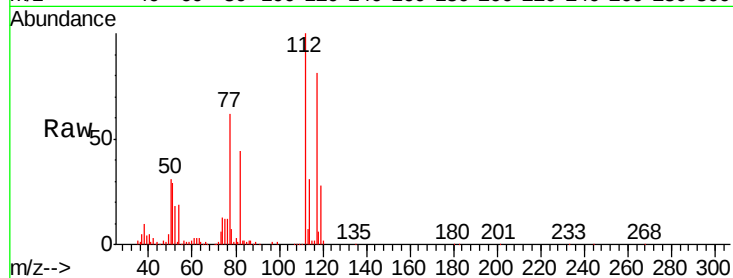
#65
Chlorobenzene
Concen: 21.96 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.5	38.3

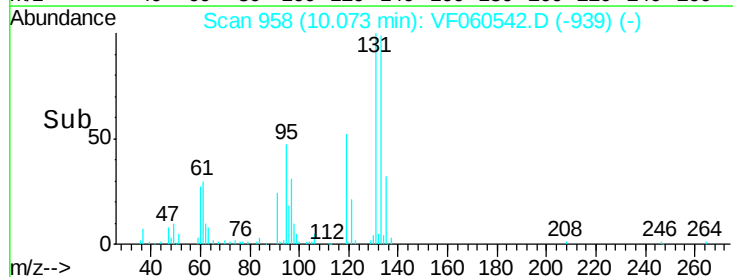
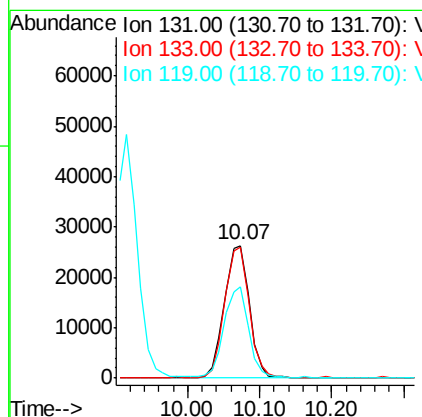
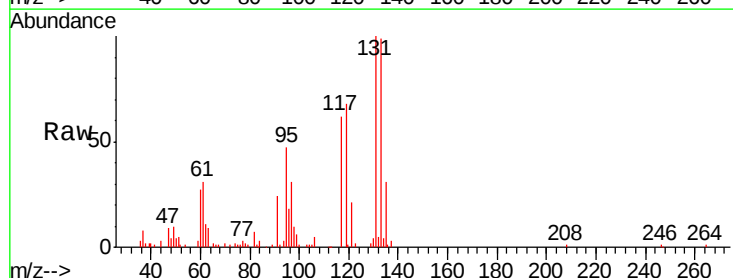
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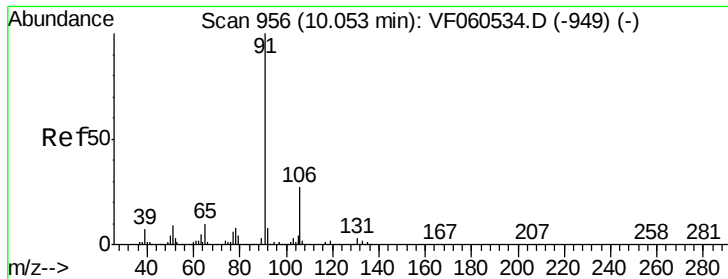
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.02 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	45.8	137.3
119	68.6	32.4	97.0





#67

Ethyl Benzene

Concen: 21.71 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

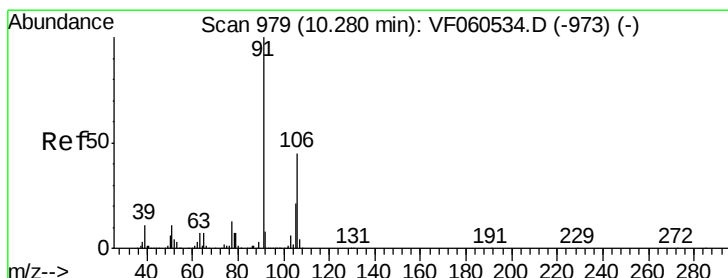
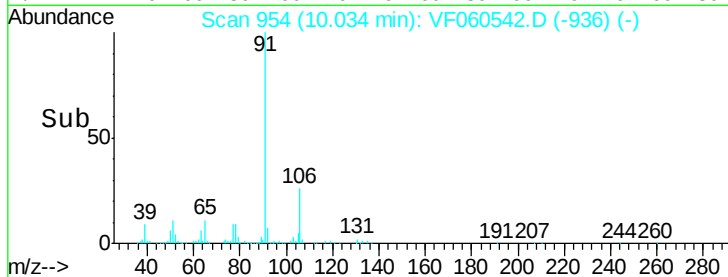
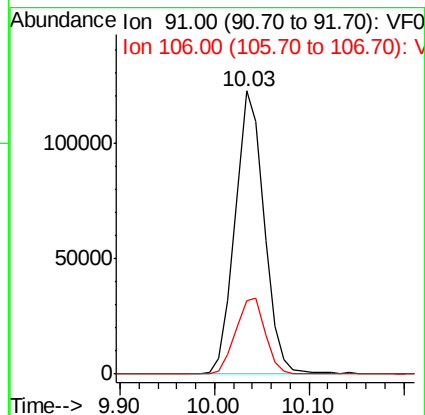
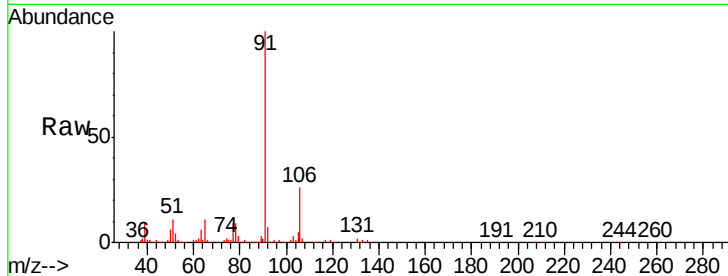
Tgt Ion: 91 Resp: 261637
Ion Ratio Lower Upper

91 100

106 26.0 21.9 32.9

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#68

m/p-Xylenes

Concen: 43.77 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.02 min

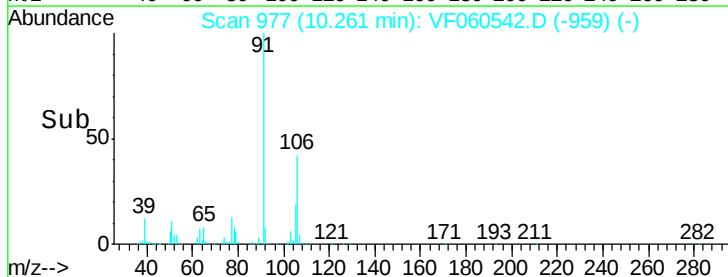
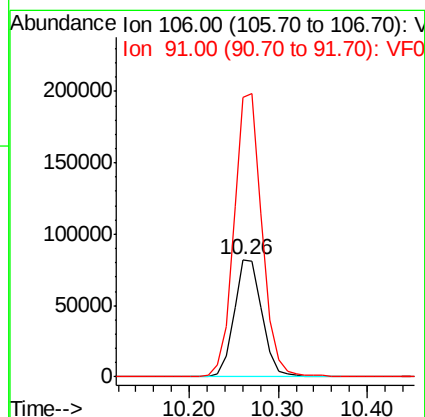
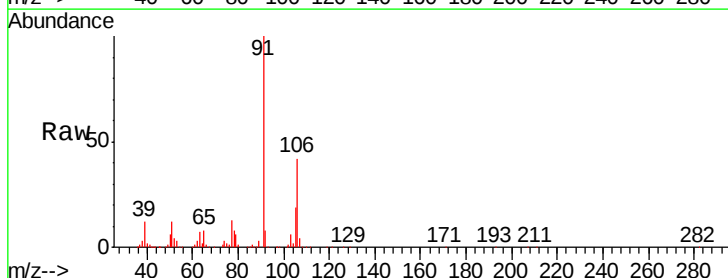
Lab File: VF060542.D

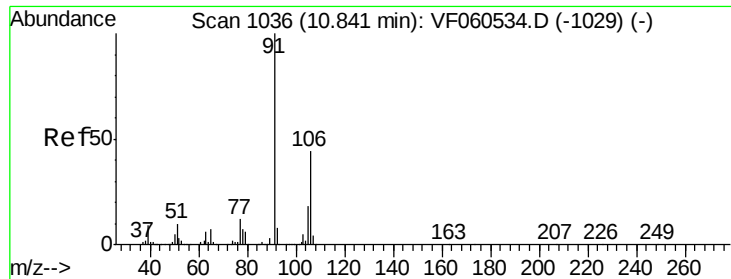
Acq: 30 Oct 2018 13:29

Tgt Ion: 106 Resp: 180122
Ion Ratio Lower Upper

106 100

91 239.1 176.2 264.2





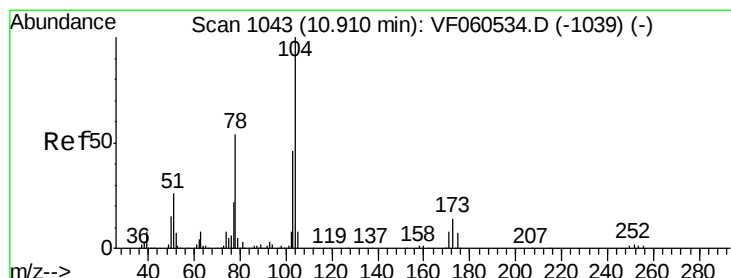
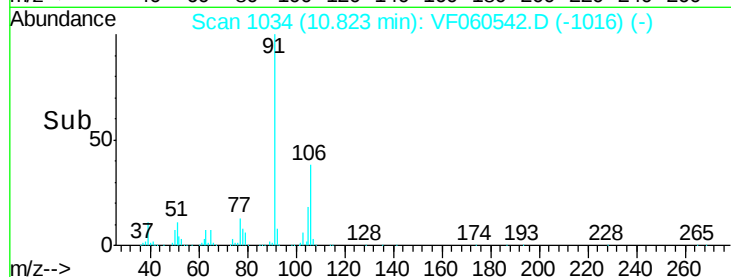
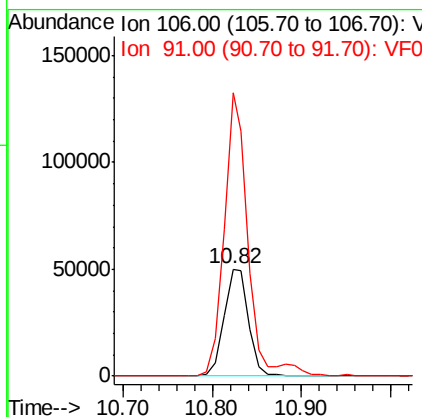
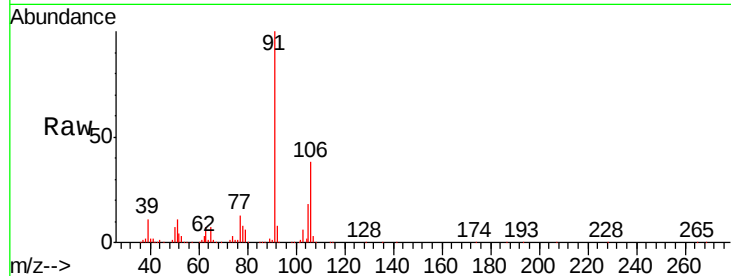
#69
o-Xylene
Concen: 21.02 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion:106 Resp: 97407
Ion Ratio Lower Upper
106 100
91 263.6 112.9 338.8

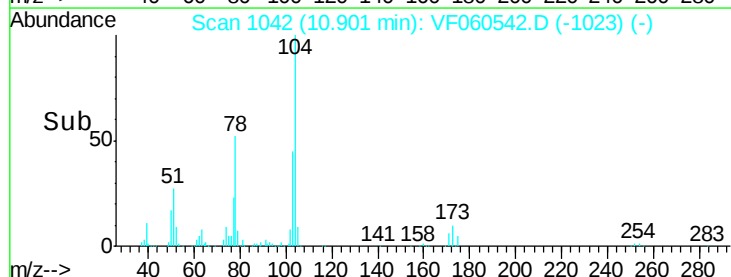
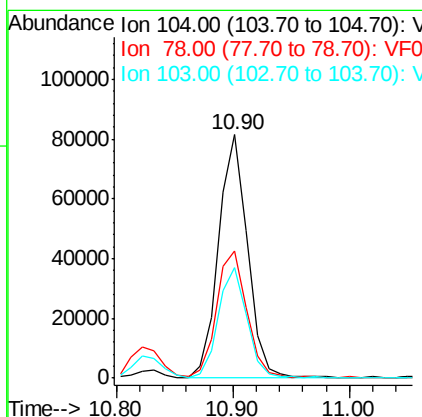
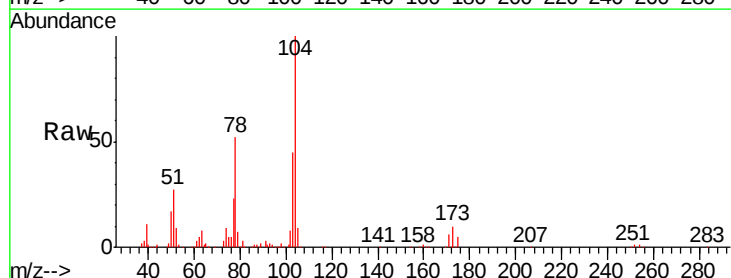
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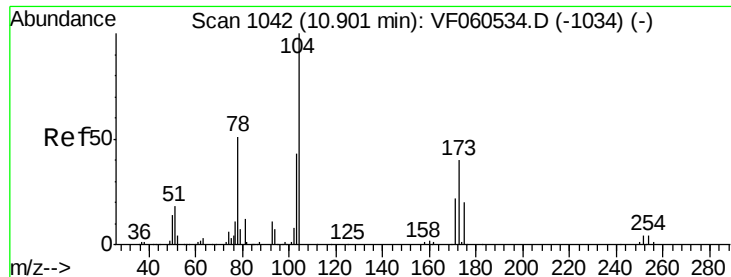
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#70
Styrene
Concen: 21.45 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion:104 Resp: 140156
Ion Ratio Lower Upper
104 100
78 52.3 43.4 65.2
103 45.3 36.9 55.3





#71

Bromoform

Concen: 21.38 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

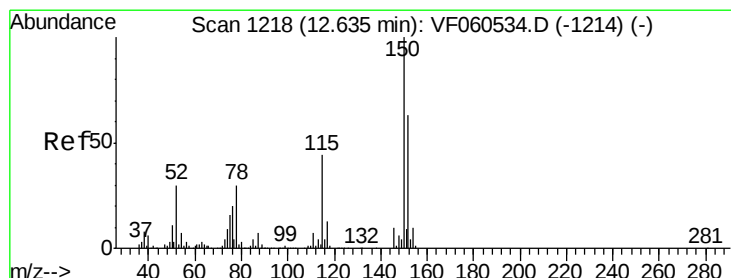
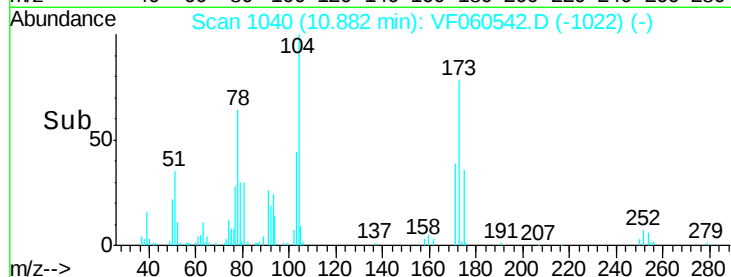
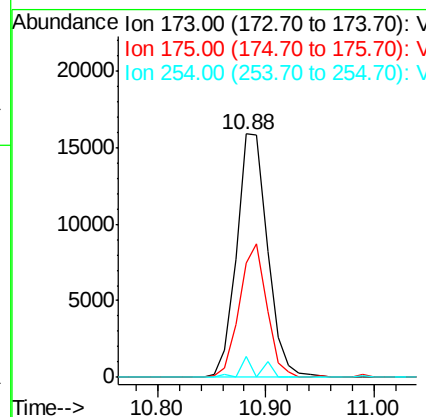
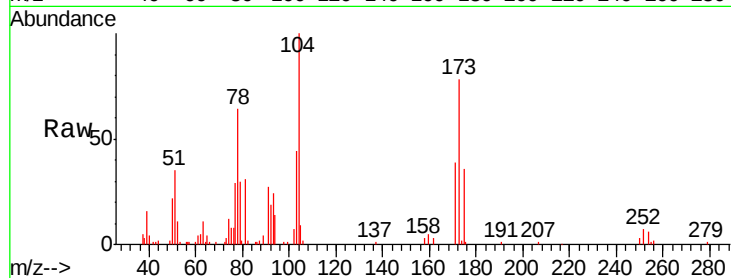
ClientSampleId :

VF1030SBS01

Tgt Ion:	173	Resp:	31695
Ion Ratio	Lower	Upper	
173	100		
175	46.9	25.7	77.0
254	8.6	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

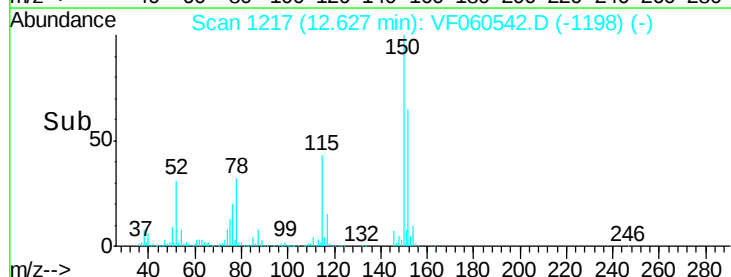
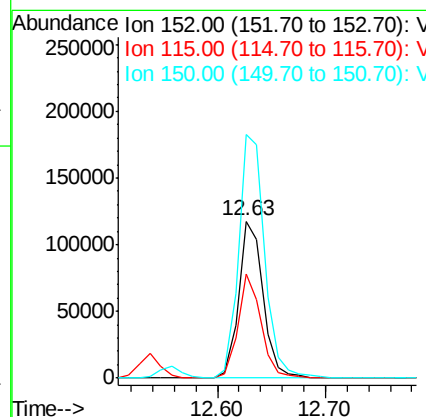
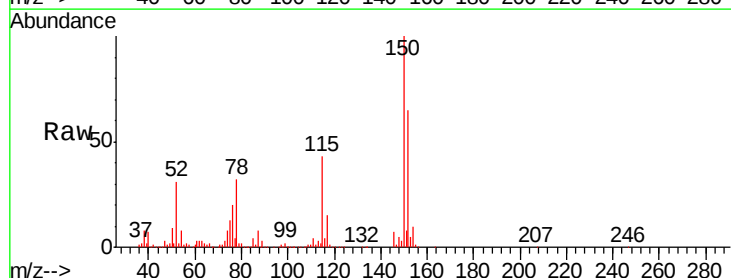
RT: 12.63 min Scan# 1217

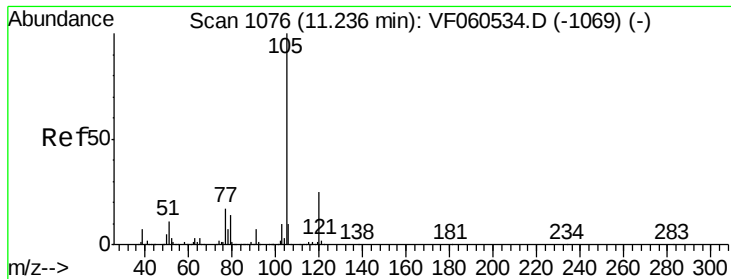
Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	152	Resp:	185800
Ion Ratio	Lower	Upper	
152	100		
115	66.4	34.7	104.1
150	155.0	0.0	318.4





#73

Isopropylbenzene

Concen: 23.30 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 105 Resp: 330900

Ion Ratio Lower Upper

105 100

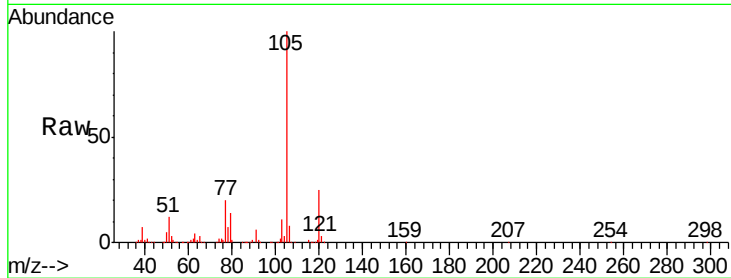
120 24.9 12.3 36.8

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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

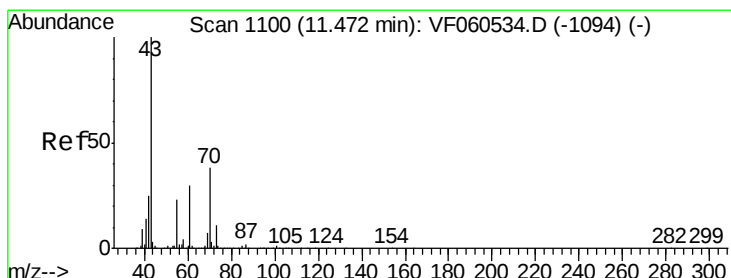
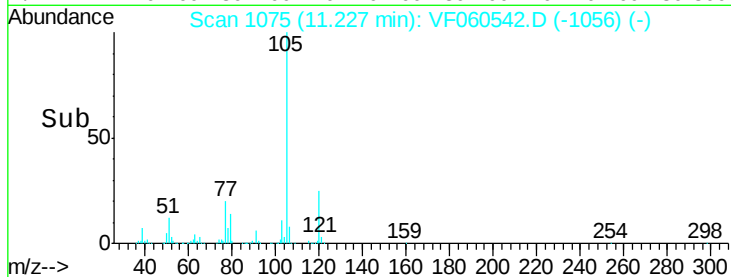
50000

0

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 18.06 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion: 43 Resp: 51372

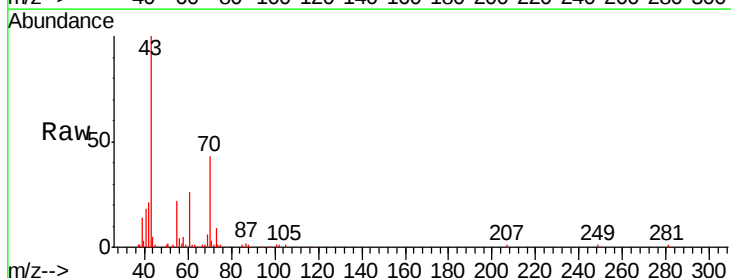
Ion Ratio Lower Upper

43 100

70 42.6 30.8 46.2

55 22.2 18.2 27.4

61 26.0 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

50000

40000

30000

20000

10000

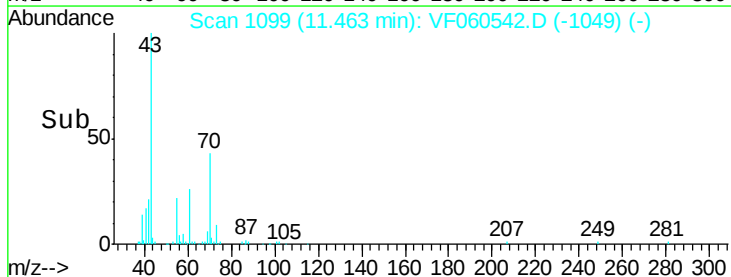
0

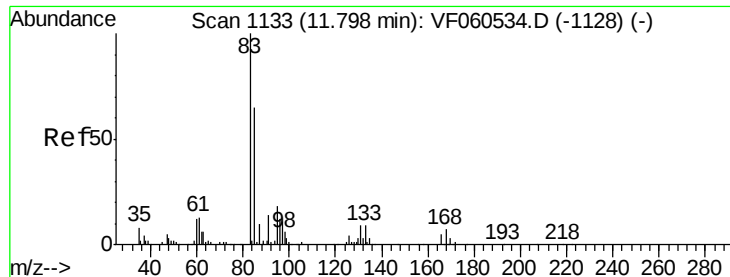
11.40

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.13 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

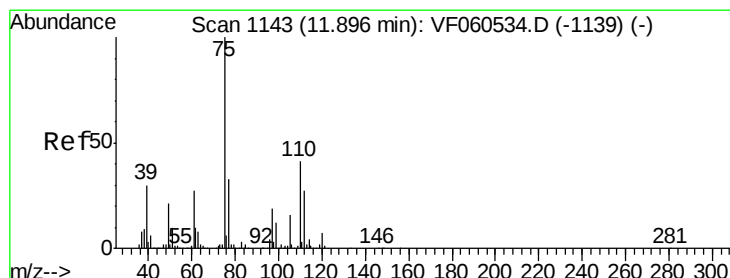
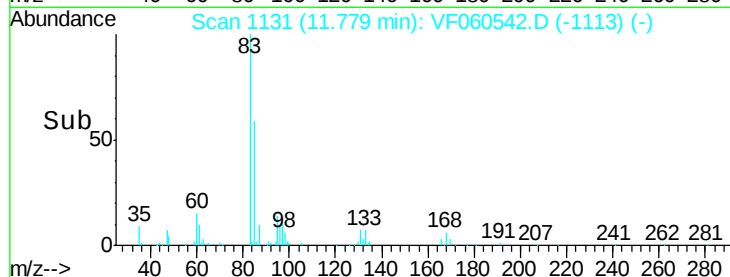
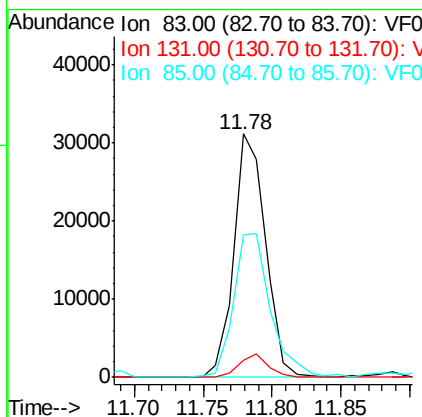
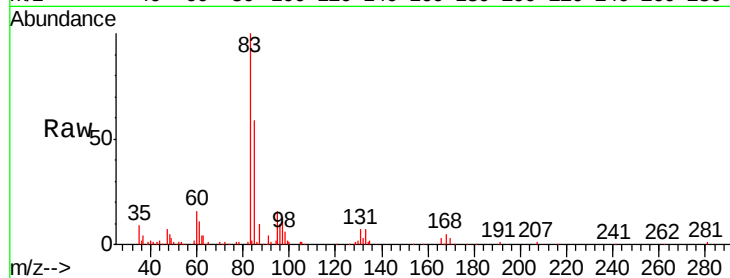
ClientSampleId :

VF1030SBS01

Tgt Ion:	83	Resp:	50084
Ion Ratio	Lower	Upper	
83	100		
131	7.2	4.7	14.0
85	58.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 21.93 ug/l

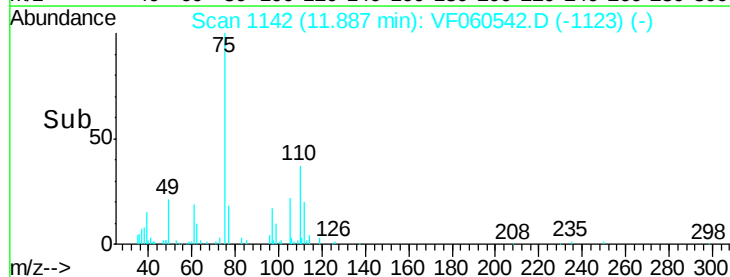
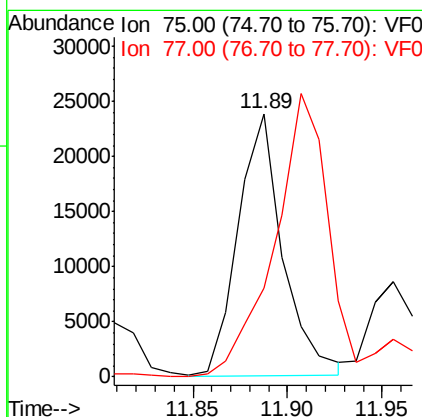
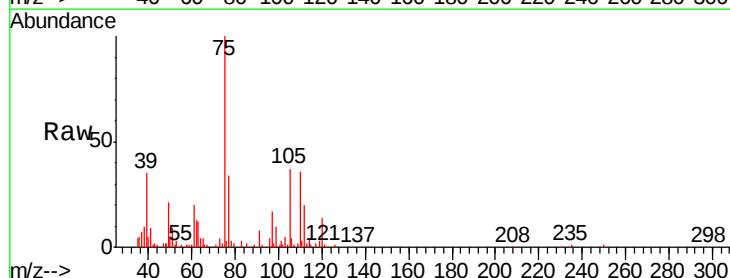
RT: 11.89 min Scan# 1142

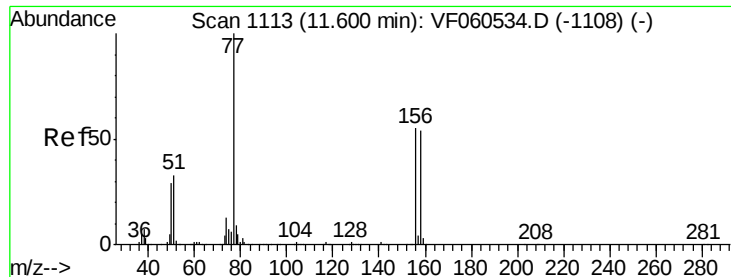
Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:	75	Resp:	39098
Ion Ratio	Lower	Upper	
75	100		
77	33.8	16.7	50.1





#77

Bromobenzene

Concen: 21.64 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

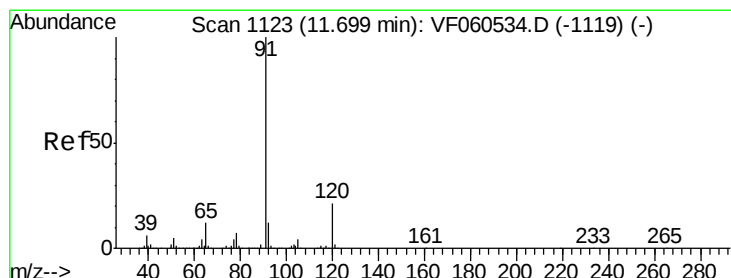
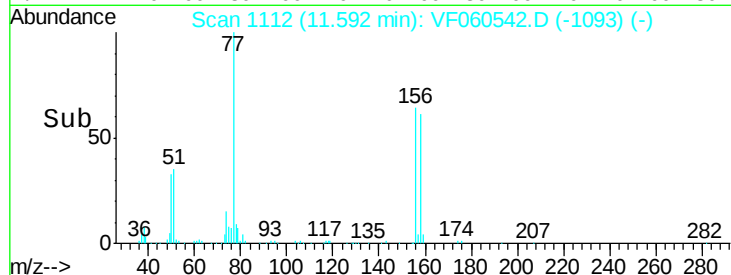
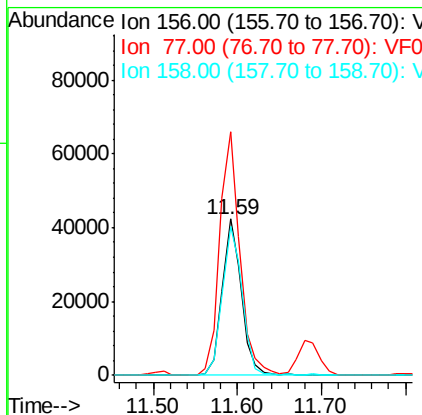
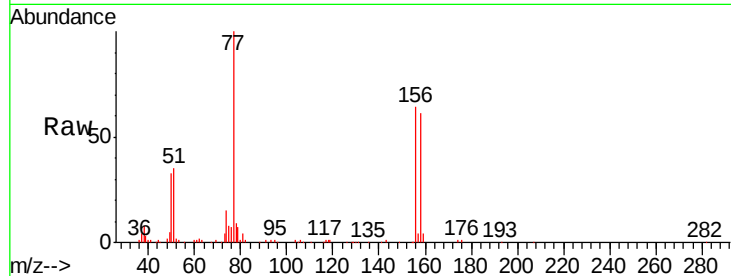
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	155.7	91.3	274.1
158	95.5	49.3	147.9

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#78

n-propylbenzene

Concen: 21.73 ug/l

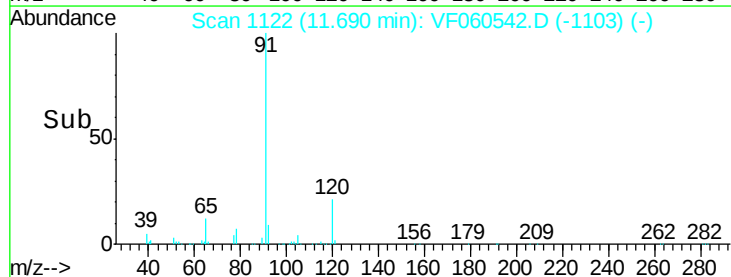
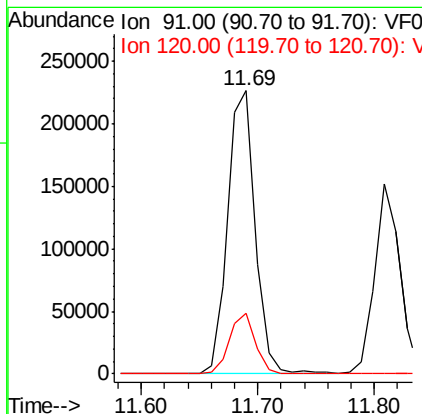
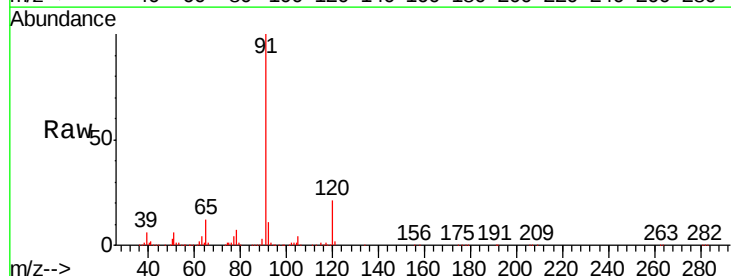
RT: 11.69 min Scan# 1122

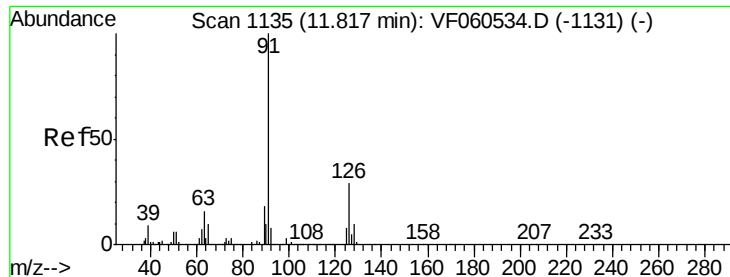
Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.7	32.1





#79

2-Chlorotoluene

Concen: 22.34 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 91 Resp: 225270

Ion Ratio Lower Upper

91 100

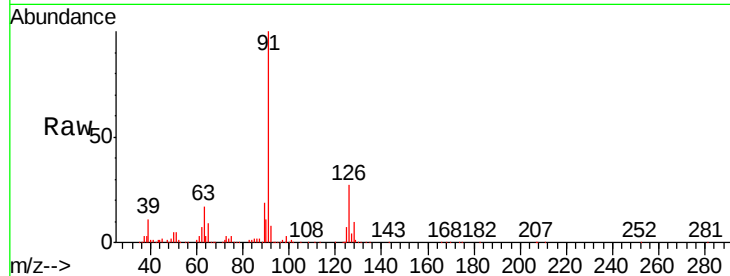
126 27.4 14.2 42.8

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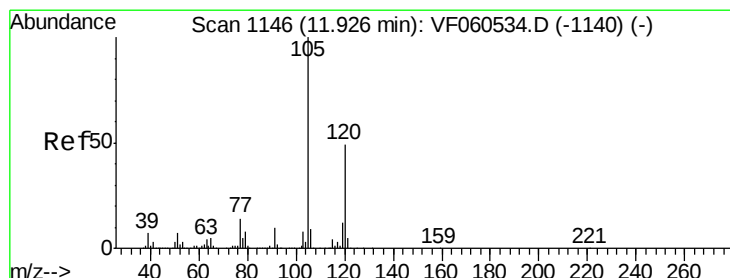
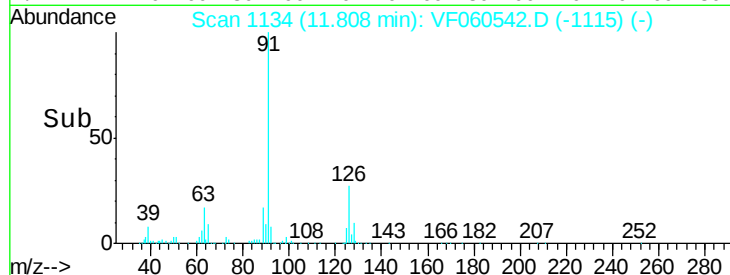
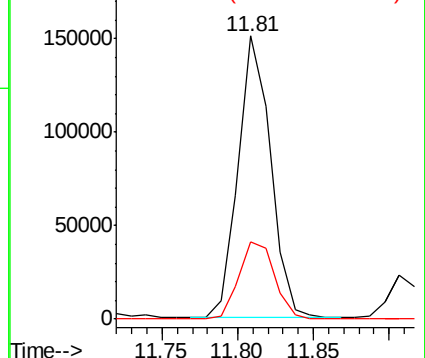
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.59 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF060542.D

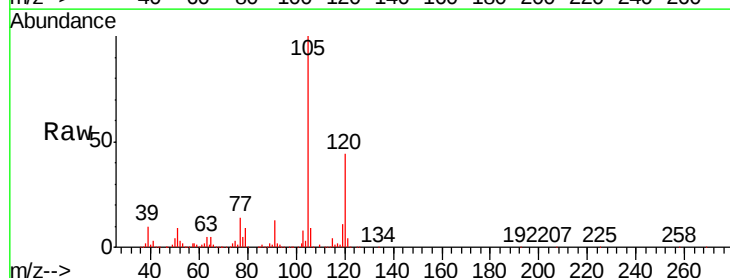
Acq: 30 Oct 2018 13:29

Tgt Ion: 105 Resp: 277222

Ion Ratio Lower Upper

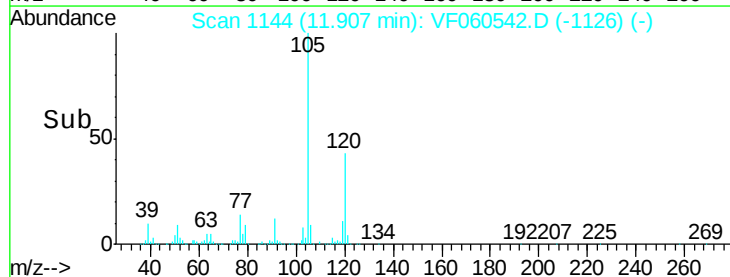
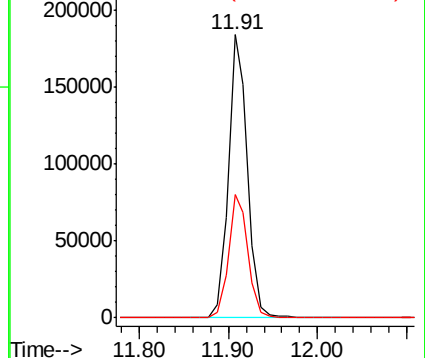
105 100

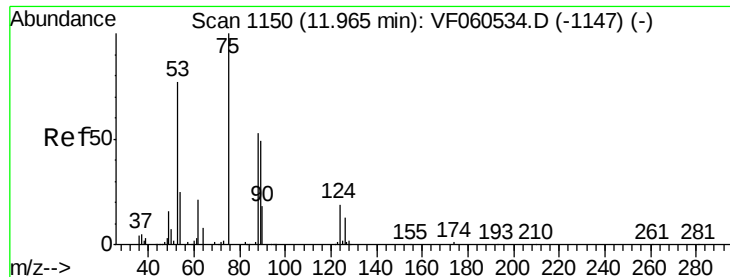
120 43.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





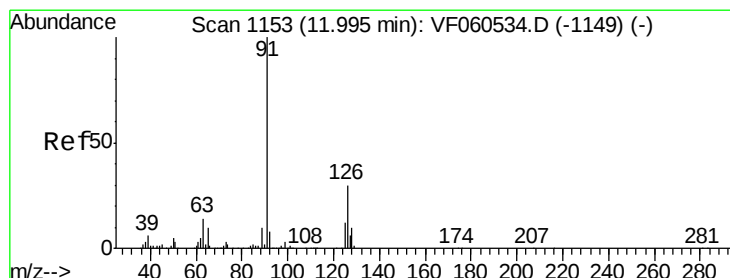
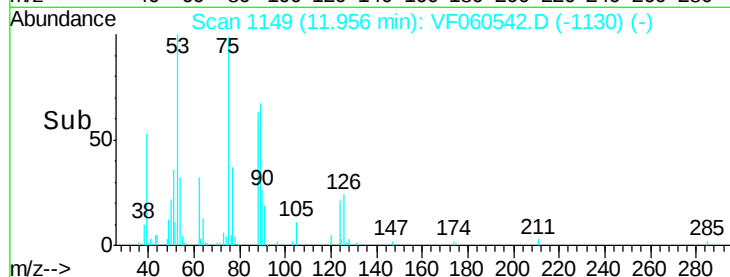
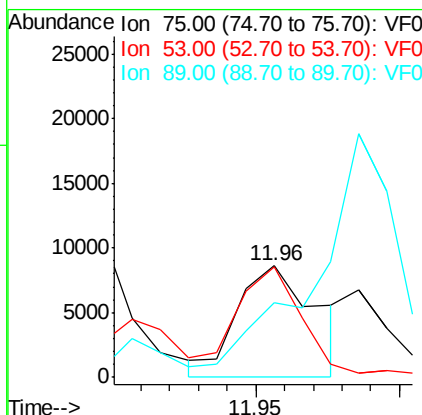
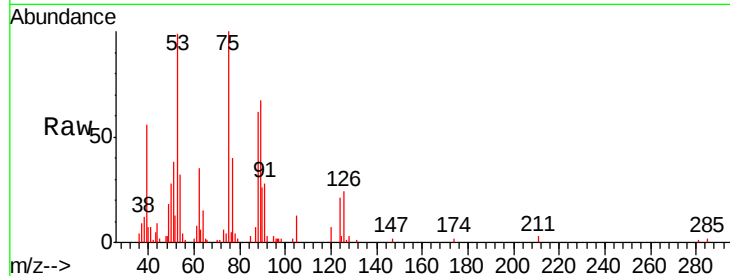
#81
trans-1,4-Dichloro-2-butene
Concen: 21.20 ug/l m
RT: 11.96 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.3	65.8	98.6#
89	66.9	44.0	66.0#

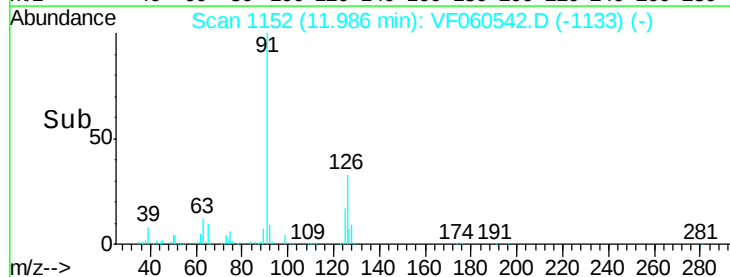
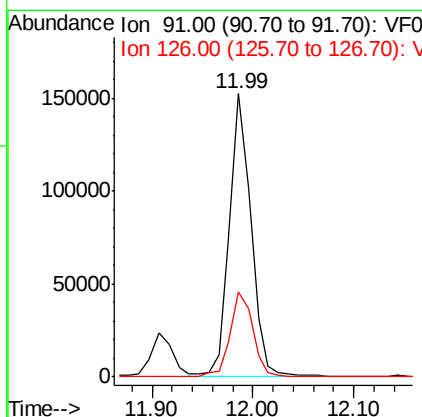
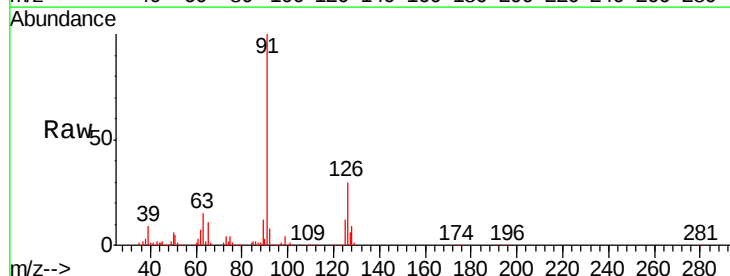
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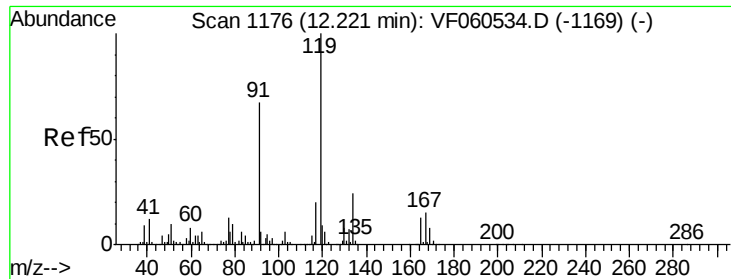
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#82
4-Chlorotoluene
Concen: 21.74 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.1	45.3





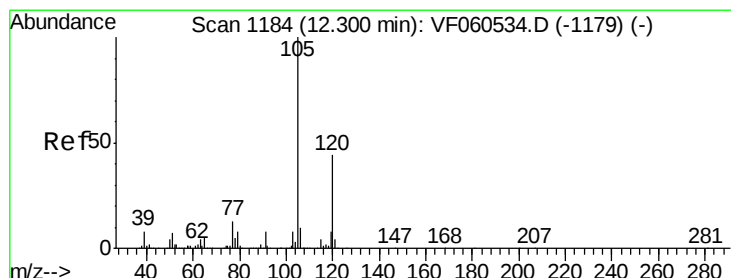
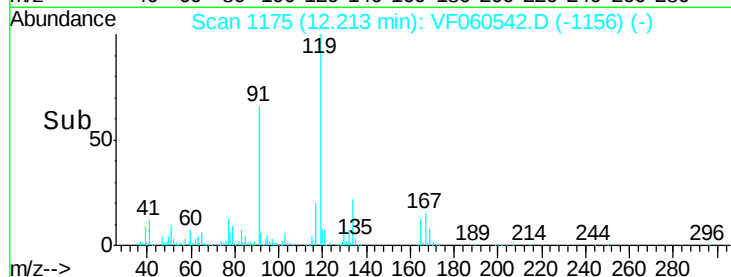
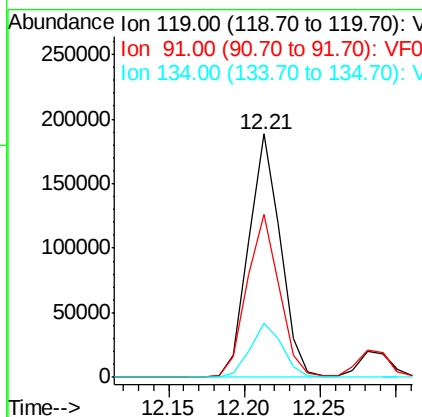
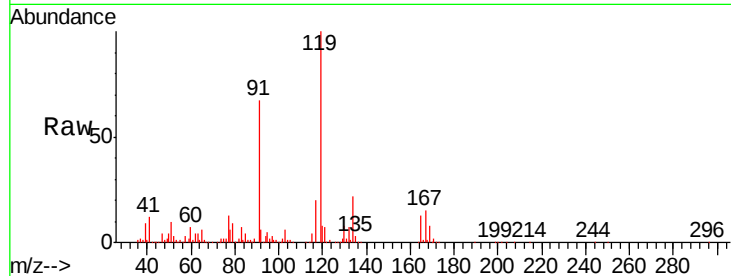
#83
 tert-Butylbenzene
 Concen: 23.24 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	276421		
91	66.9	33.6	100.8	
134	22.2	12.0	36.0	

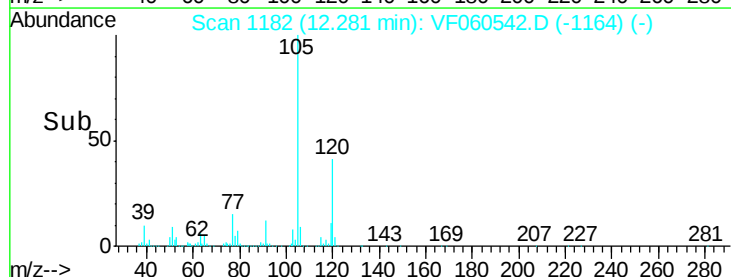
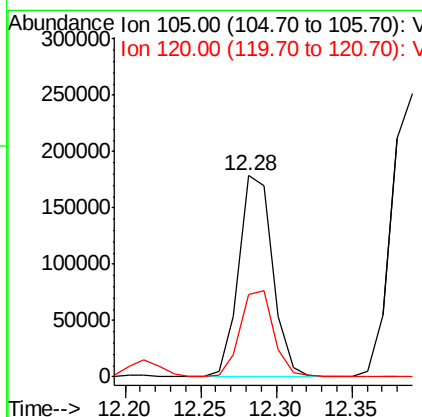
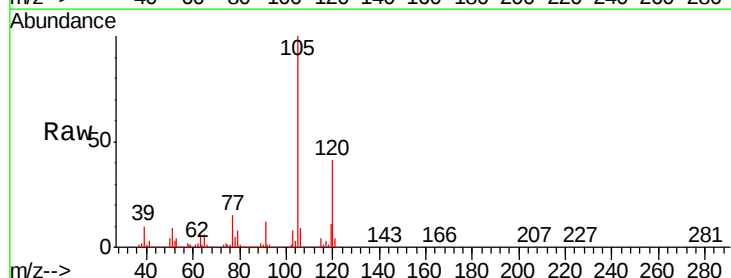
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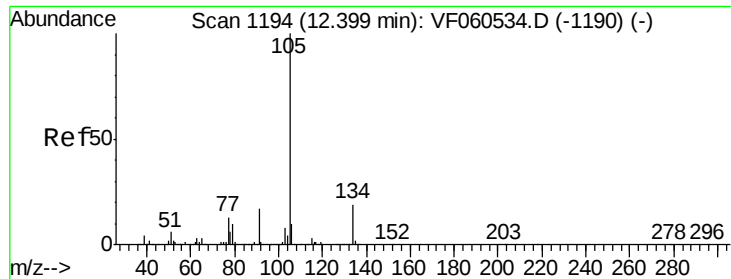
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.43 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279575		
120	40.9	22.0	66.0	





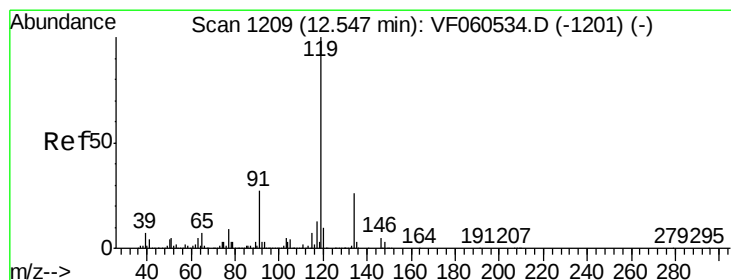
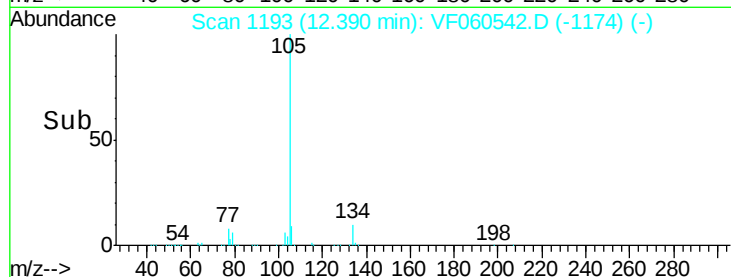
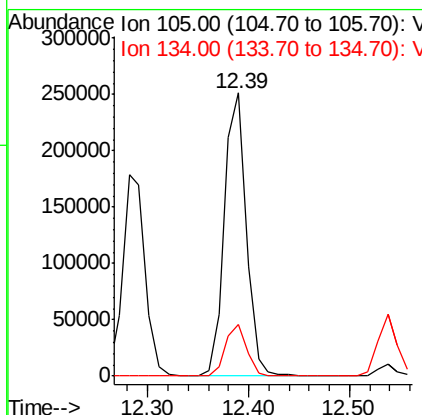
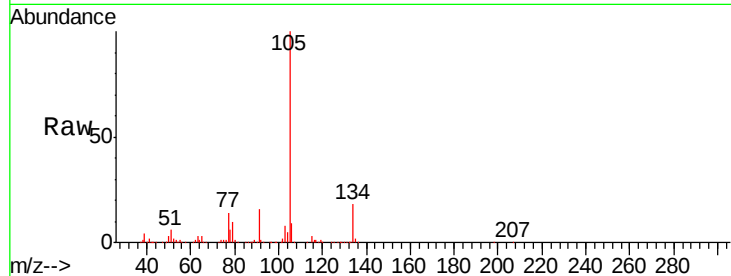
#85
 sec-Butylbenzene
 Concen: 22.78 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	379688		
134	18.5	9.6	28.6	

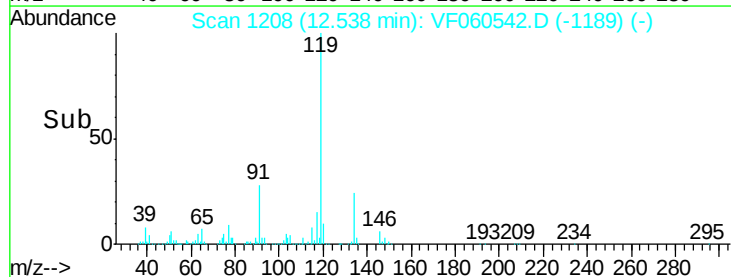
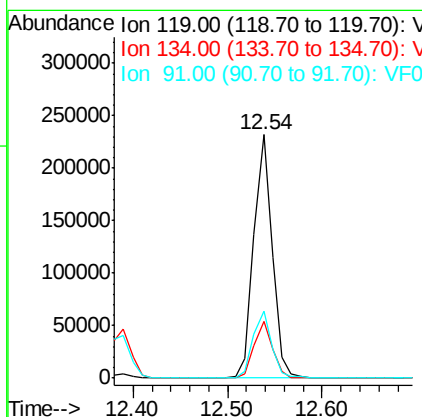
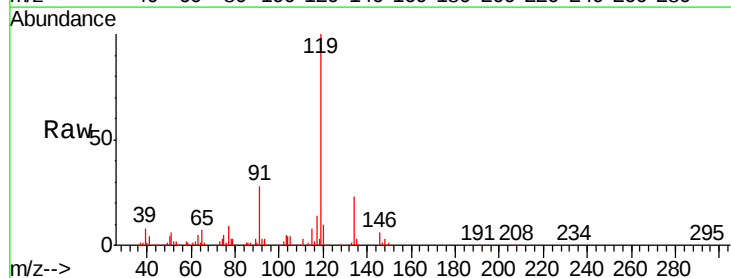
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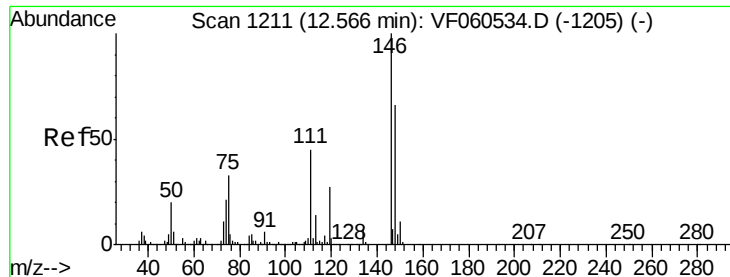
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#86
 p-Isopropyltoluene
 Concen: 22.98 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	314379		
134	23.5	13.1	39.1	
91	27.7	13.5	40.4	





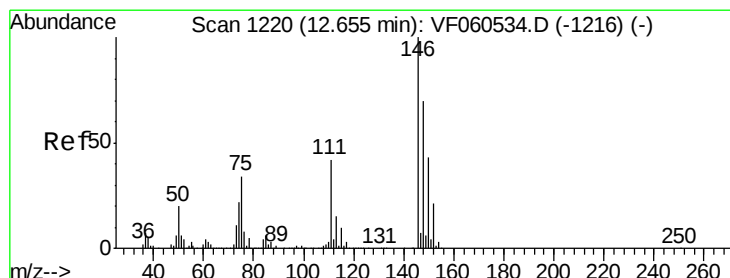
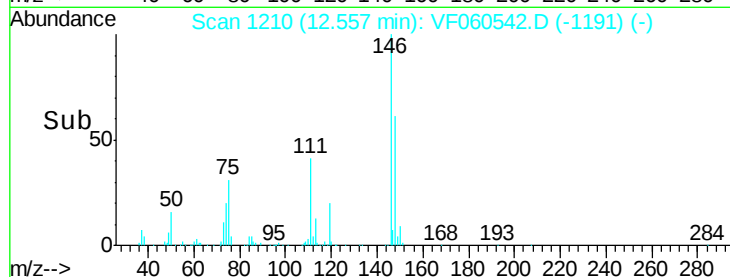
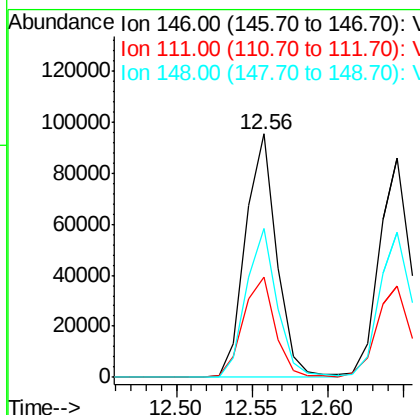
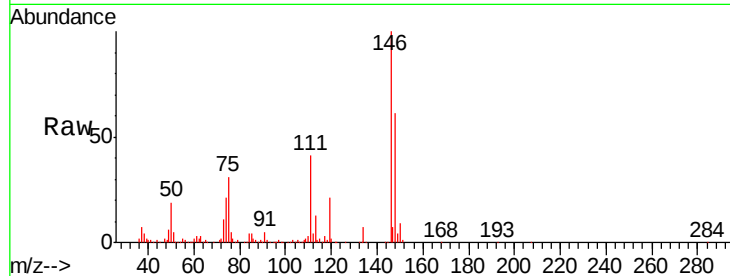
#87
 1,3-Dichlorobenzene
 Concen: 22.03 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.6	67.7
148	61.2	33.1	99.3

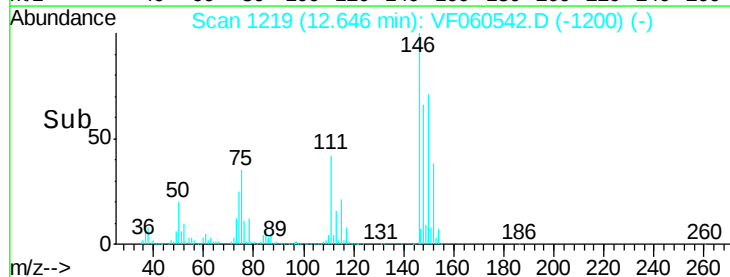
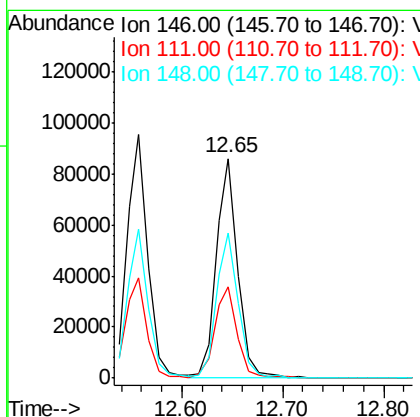
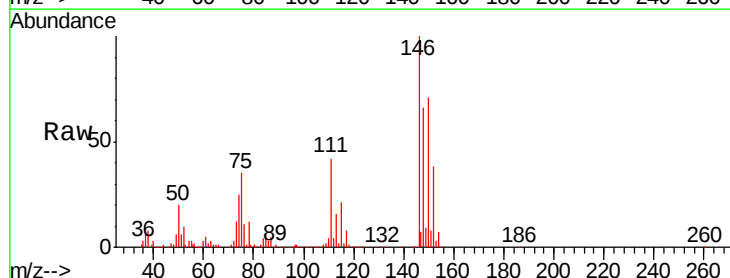
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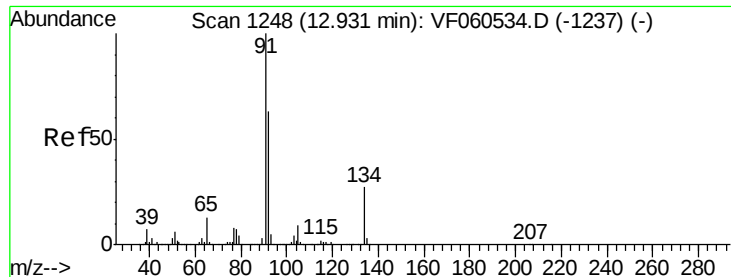
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#88
 1,4-Dichlorobenzene
 Concen: 21.83 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	66.0	35.1	105.5





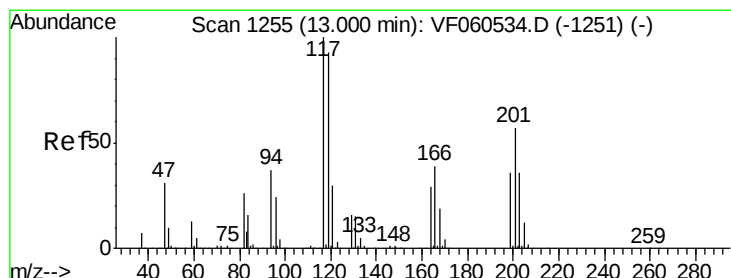
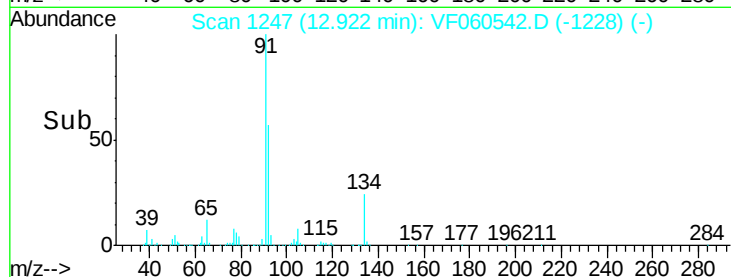
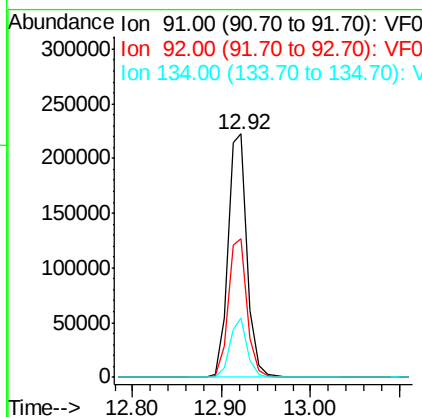
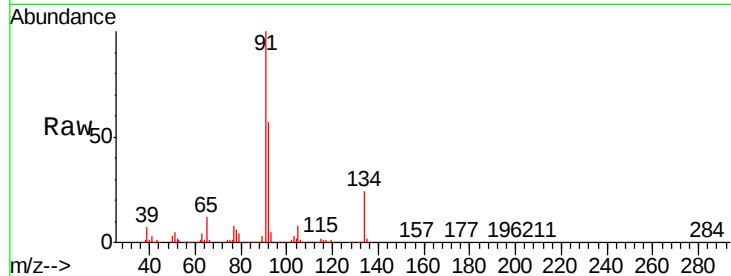
#89
n-Butylbenzene
Concen: 23.02 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	31.3	93.9
134	24.5	13.3	39.8

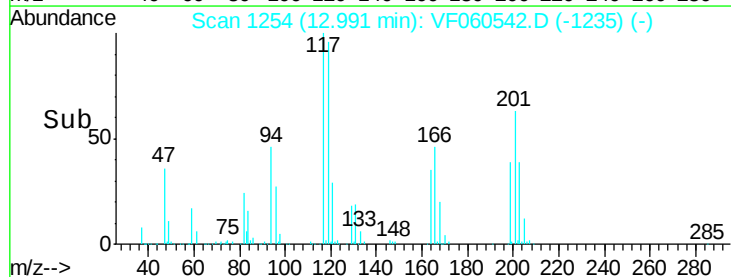
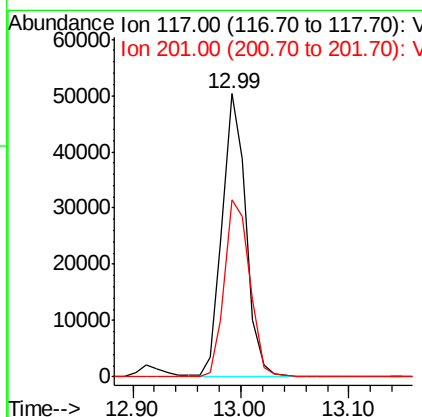
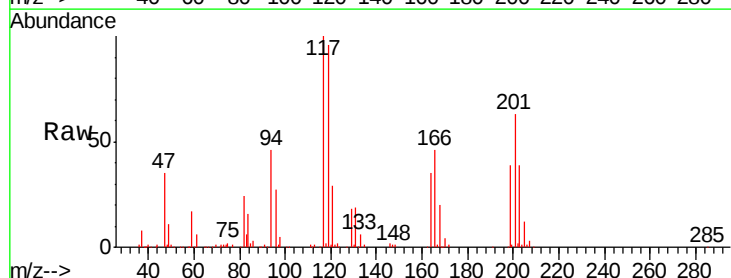
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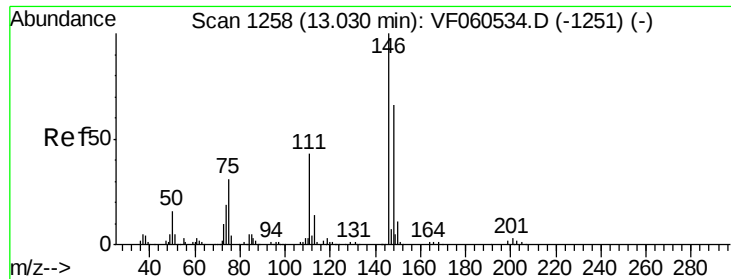
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#90
Hexachloroethane
Concen: 21.82 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.6	28.2	84.7





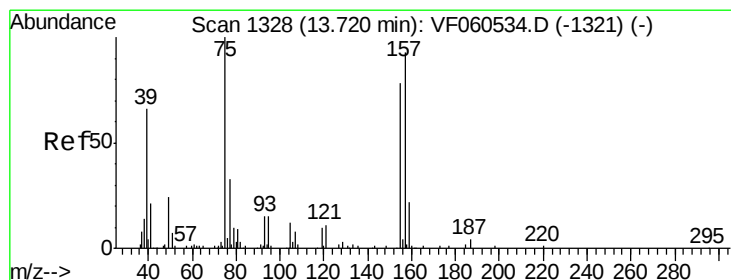
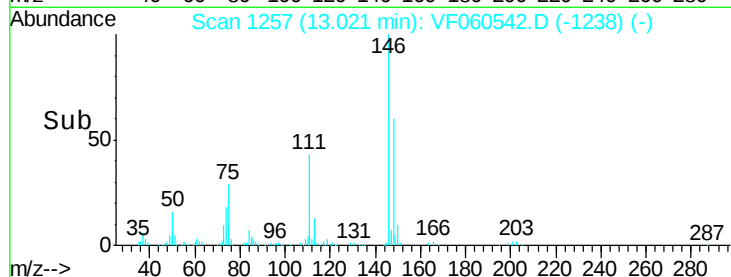
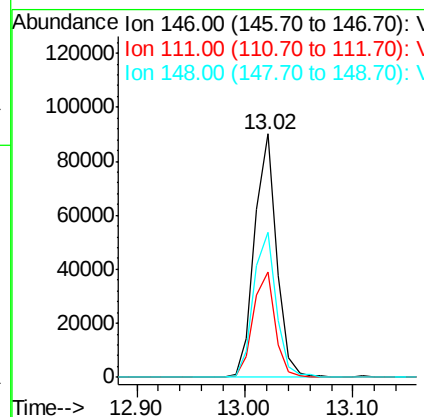
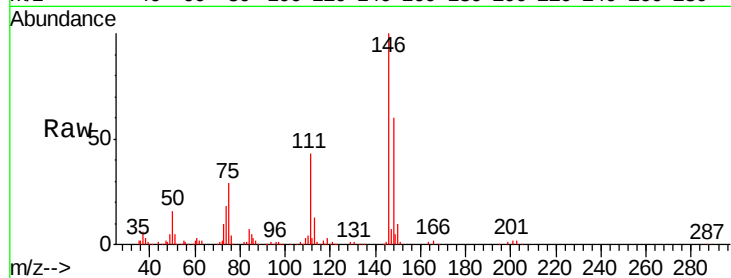
#91
 1,2-Dichlorobenzene
 Concen: 21.75 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127798		
111	43.4	21.5	64.5	
148	59.8	33.1	99.5	

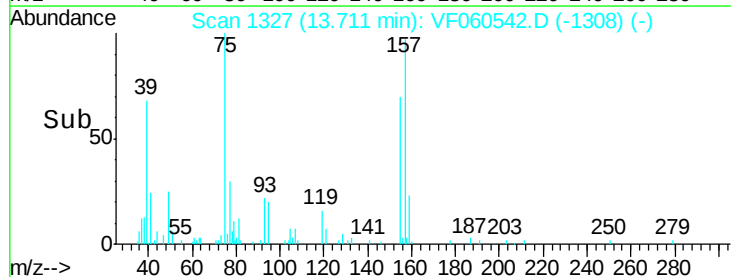
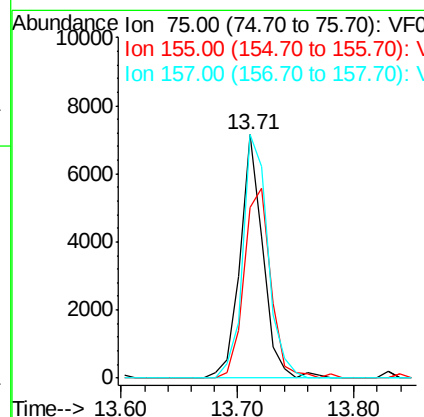
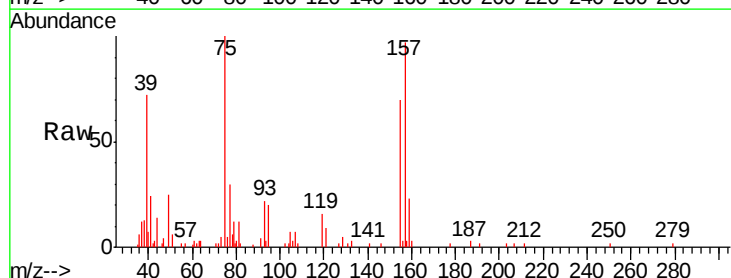
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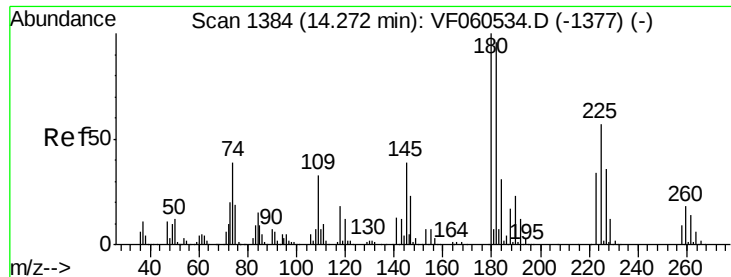
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.76 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9711		
155	70.3	40.8	122.5	
157	100.2	46.5	139.5	





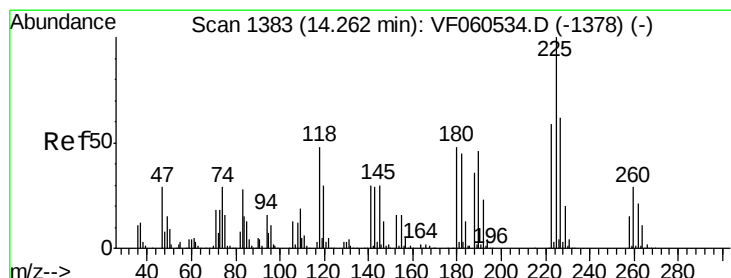
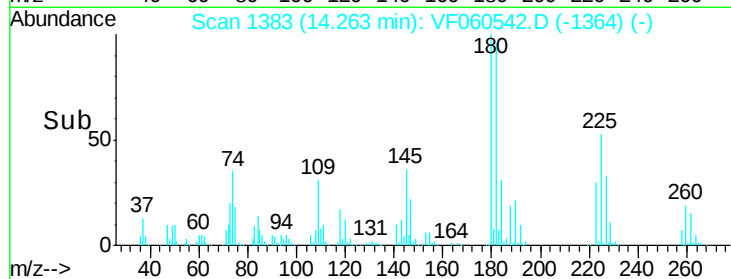
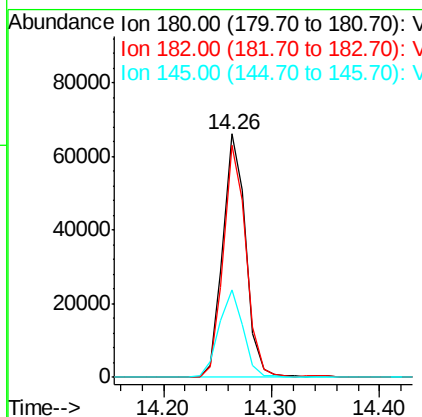
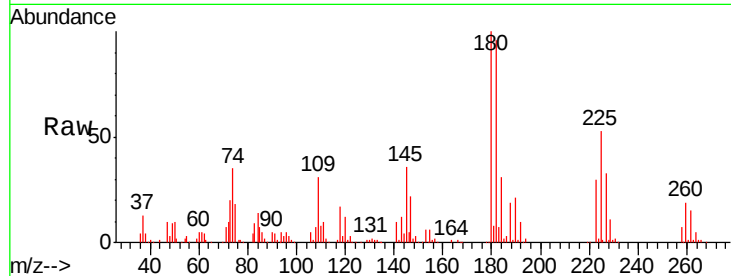
#93
 1,2,4-Trichlorobenzene
 Concen: 22.24 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.3
145	36.0	19.5	58.5

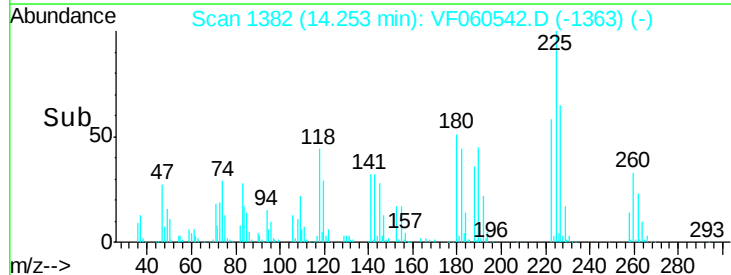
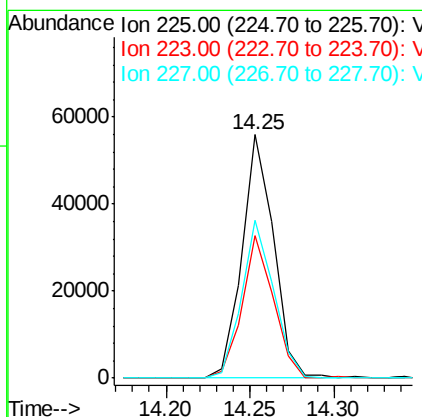
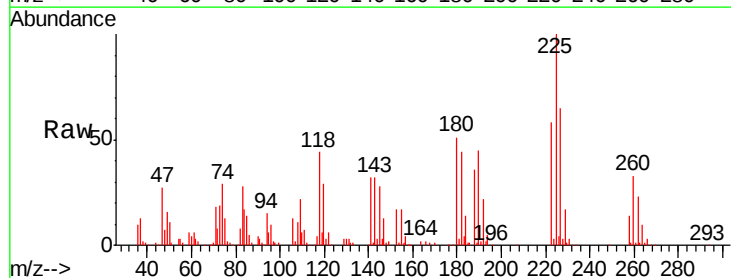
Manual Integrations
 APPROVED

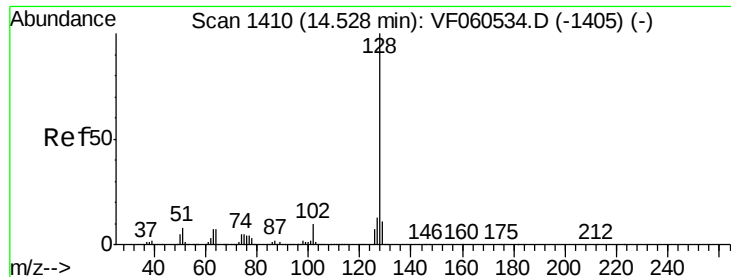
apatel
 10/31/2018 10:24:50 AM



#94
 Hexachlorobutadiene
 Concen: 23.35 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	29.5	88.5
227	65.0	31.3	93.8





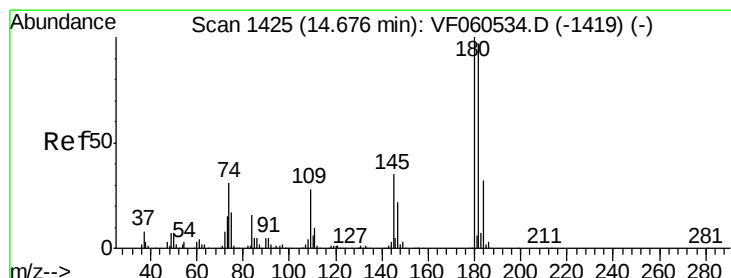
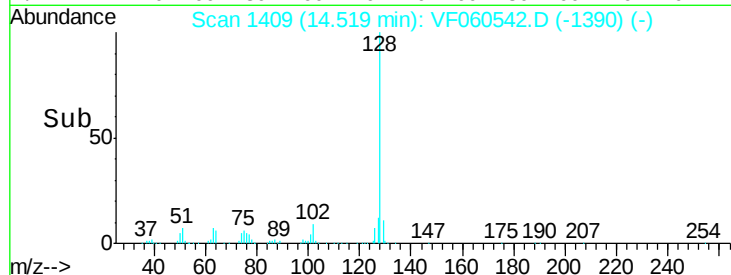
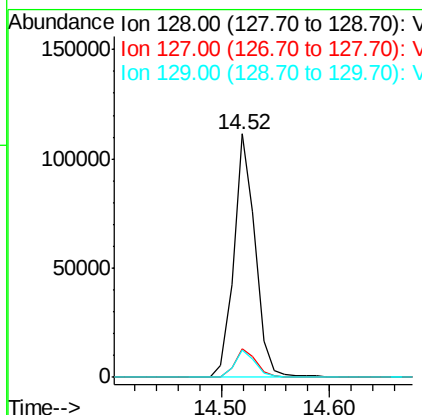
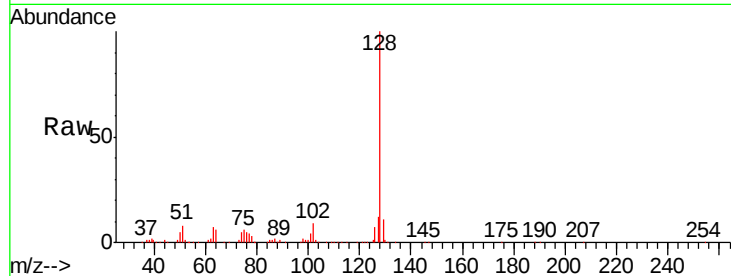
#95
Naphthalene
Concen: 19.67 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.1	15.1
129	11.4	8.7	13.1

Manual Integrations
APPROVED

apatel
10/31/2018 10:24:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.02 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.9	48.7	146.1
145	32.0	17.3	52.0

