

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060805.D
 Acq On : 20 Nov 2018 15:20
 Operator : VA/AP
 Sample : VF1120SBD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Manual Integrations
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 11/21/2018 2:01:45 PM

Quant Time: Nov 20 17:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	186532	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	293009	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	264476	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	145604	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	99979	46.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	4.13	113	118725	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
50) Toluene-d8	7.56	98	272677	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.42	95	139248	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	74036	22.18	ug/l	96
3) Chloromethane	1.10	50	47949	23.16	ug/l #	85
4) Vinyl Chloride	1.14	62	44600	24.08	ug/l	95
5) Bromomethane	1.33	94	25933	22.04	ug/l	89
6) Chloroethane	1.40	64	16727	23.08	ug/l	98
7) Trichlorofluoromethane	1.49	101	88203m	21.54	ug/l	
8) Diethyl Ether	1.63	74	11943	22.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45762	23.71	ug/l	99
10) Methyl Iodide	1.90	142	71109m	22.96	ug/l	
11) Tert butyl alcohol	2.58	59	13260	136.94	ug/l	98
12) 1,1-Dichloroethene	1.79	96	37777	24.82	ug/l	83
13) Acrolein	2.01	56	7285	82.28	ug/l	86
14) Allyl chloride	2.10	41	53799	20.18	ug/l	90
15) Acrylonitrile	2.94	53	25940	125.72	ug/l	96
16) Acetone	2.24	43	50717	111.52	ug/l	98
17) Carbon Disulfide	1.84	76	105908	23.03	ug/l	99
18) Methyl Acetate	2.35	43	19198	25.71	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	84978	23.28	ug/l	97
20) Methylene Chloride	2.19	84	40611m	25.47	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39742	25.00	ug/l	95
22) Diisopropyl ether	2.81	45	123043	23.91	ug/l	98
23) Vinyl Acetate	3.19	43	303040	125.03	ug/l	99
24) 1,1-Dichloroethane	2.88	63	71209	22.85	ug/l	99
25) 2-Butanone	4.35	43	86567	115.73	ug/l	97
26) 2,2-Dichloropropane	3.61	77	48081	19.61	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	61228	22.64	ug/l	96
28) Bromochloromethane	3.72	49	36357	22.45	ug/l	97
29) Tetrahydrofuran	4.08	42	37651	122.03	ug/l	96
30) Chloroform	3.86	83	111196	22.24	ug/l	99
31) Cyclohexane	3.69	56	87300	23.08	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	80956	20.56	ug/l	94
36) 1,1-Dichloropropene	4.29	75	80182	23.60	ug/l	97
37) Ethyl Acetate	4.12	43	32615	25.82	ug/l #	67
38) Carbon Tetrachloride	3.99	117	69459	21.07	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	93020	23.59	ug/l	97
40) Benzene	4.64	78	183694	24.25	ug/l	99
41) Methacrylonitrile	4.75	41	17775	24.15	ug/l	91
42) 1,2-Dichloroethane	4.95	62	57496	21.96	ug/l	98
43) Isopropyl Acetate	6.97	43	39667	23.68	ug/l #	84
44) Trichloroethene	5.51	130	56767	23.75	ug/l	88
45) 1,2-Dichloropropane	6.25	63	47469	24.08	ug/l	91
46) Dibromomethane	6.10	93	31286	24.04	ug/l	99
47) Bromodichloromethane	6.40	83	79053	23.79	ug/l	96
48) Methyl methacrylate	6.72	41	27167	24.51	ug/l	96
49) 1,4-Dioxane	6.71	88	6176	595.68	ug/l	94
51) 4-Methyl-2-Pentanone	8.26	43	156168	128.90	ug/l	100
52) Toluene	7.63	92	116178	22.89	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	58727	22.07	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	79236	22.92	ug/l	90
55) 1,1,2-Trichloroethane	8.50	97	32531	22.43	ug/l	93
56) Ethyl methacrylate	8.63	69	38934	23.64	ug/l	93
57) 1,3-Dichloropropane	8.86	76	58718	23.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	16711	111.06	ug/l	100
59) 2-Hexanone	9.50	43	115079	135.16	ug/l	98
60) Dibromochloromethane	8.73	129	45699	22.11	ug/l	95
61) 1,2-Dibromoethane	9.00	107	35244	23.11	ug/l	97
64) Tetrachloroethene	8.16	164	48296	23.06	ug/l	98
65) Chlorobenzene	9.81	112	119768	22.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	51908	22.30	ug/l	95
67) Ethyl Benzene	9.91	91	226247	22.49	ug/l	98
68) m/p-Xylenes	10.15	106	164759	45.83	ug/l	94
69) o-Xylene	10.72	106	89792	22.22	ug/l	99
70) Styrene	10.80	104	128958	23.51	ug/l	100
71) Bromoform	10.78	173	24021	22.95	ug/l	96
73) Isopropylbenzene	11.13	105	272655	23.26	ug/l	97
74) N-amyl acetate	11.38	43	72951	27.34	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	46837	24.17	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	31936	22.19	ug/l	99
77) Bromobenzene	11.51	156	57371	23.52	ug/l	87
78) n-propylbenzene	11.61	91	327689	23.97	ug/l	97
79) 2-Chlorotoluene	11.72	91	191121	24.06	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	226774	24.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	19141m	27.07	ug/l	
82) 4-Chlorotoluene	11.90	91	193959	23.83	ug/l	94
83) tert-Butylbenzene	12.14	119	239793	24.27	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	231677	24.07	ug/l	91
85) sec-Butylbenzene	12.32	105	323914	24.17	ug/l	98
86) p-Isopropyltoluene	12.46	119	276330	24.69	ug/l	93
87) 1,3-Dichlorobenzene	12.48	146	115954	23.88	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	108116	23.17	ug/l	91
89) n-Butylbenzene	12.85	91	285075	24.96	ug/l	96
90) Hexachloroethane	12.93	117	63807	23.31	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	109407	23.93	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7808	21.44	ug/l	90

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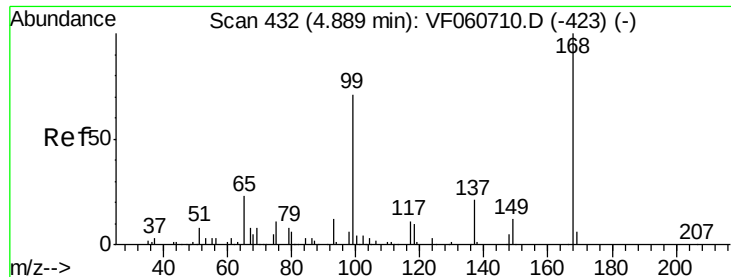
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81084	24.68	ug/l	92
94) Hexachlorobutadiene	14.20	225	51839	24.14	ug/l	97
95) Naphthalene	14.47	128	146003	24.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	72782	23.97	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 168 Resp: 186532

Ion Ratio Lower Upper

168 100

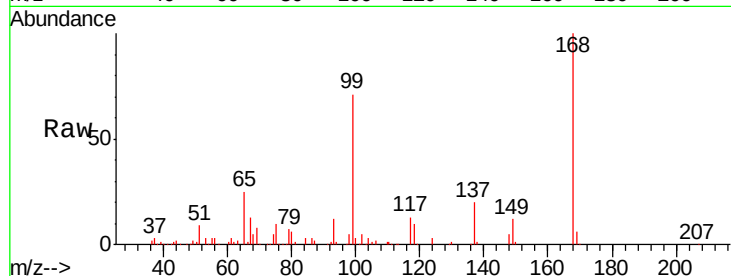
99 70.8 57.2 85.8

Manual Integrations

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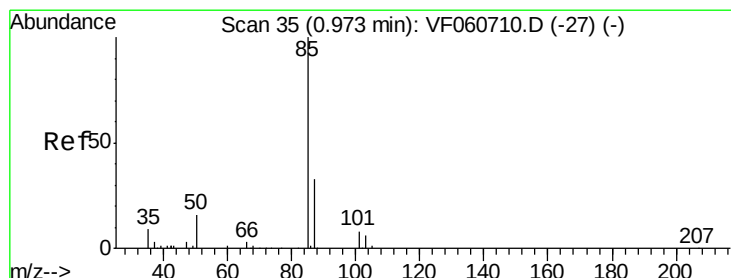
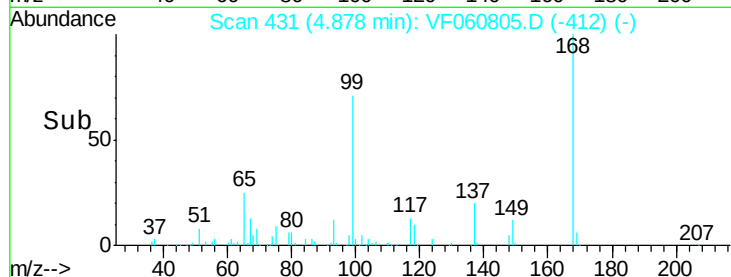
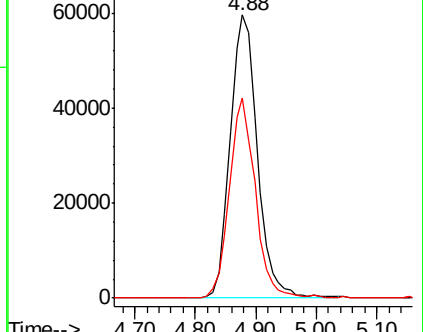
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.18 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060805.D

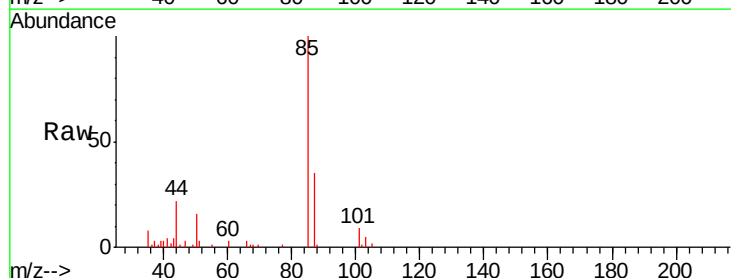
Acq: 20 Nov 2018 15:20

Tgt Ion: 85 Resp: 74036

Ion Ratio Lower Upper

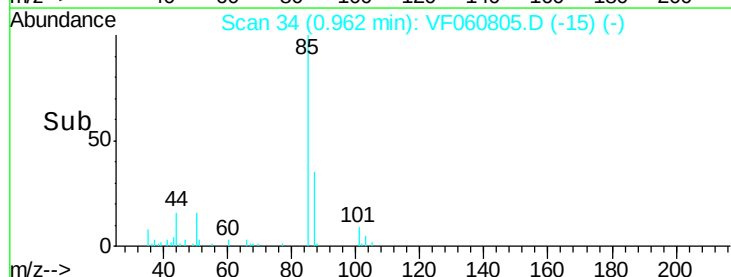
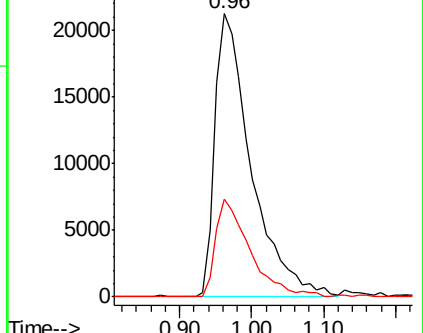
85 100

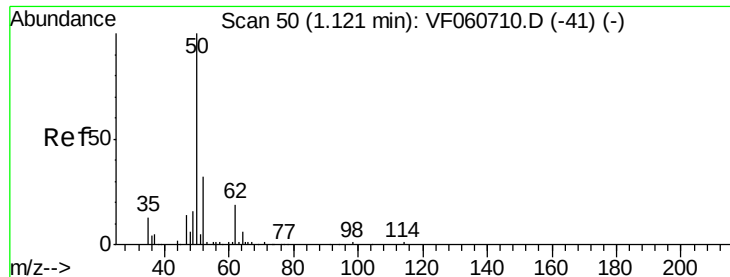
87 34.7 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.16 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 50 Resp: 47949

Ion Ratio Lower Upper

50 100

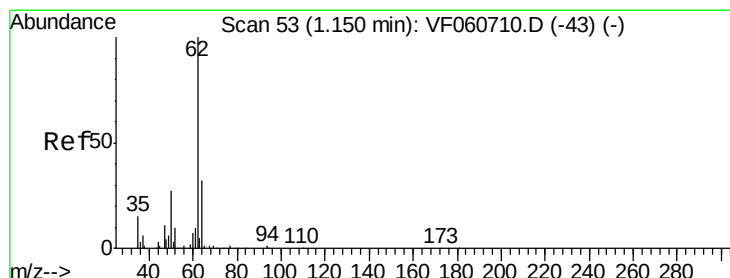
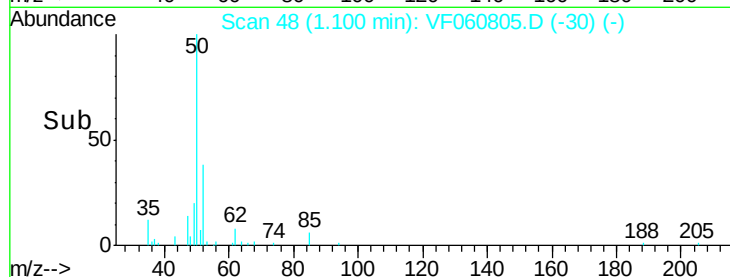
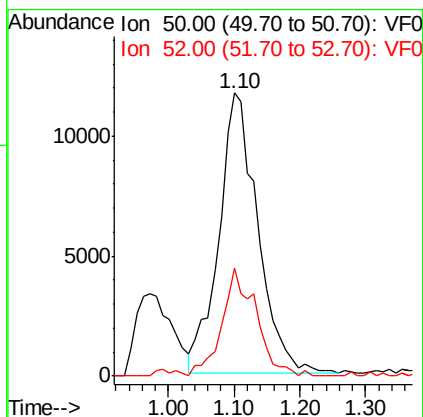
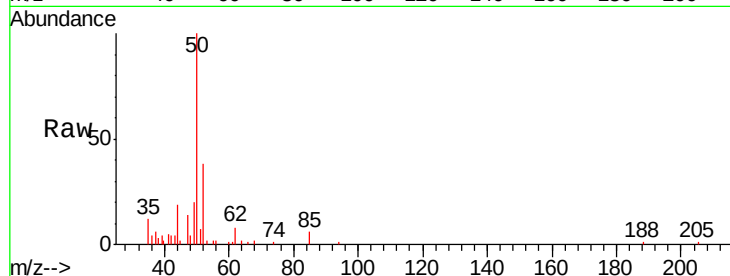
52 38.2 24.2 36.2#

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#4

Vinyl Chloride

Concen: 24.08 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060805.D

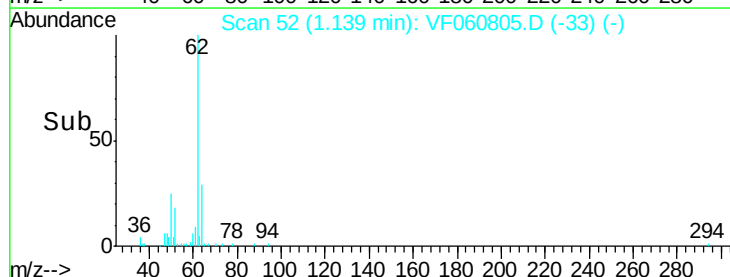
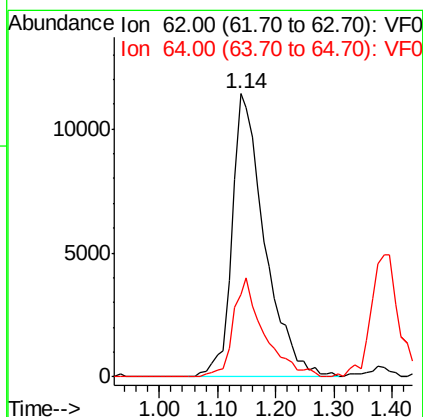
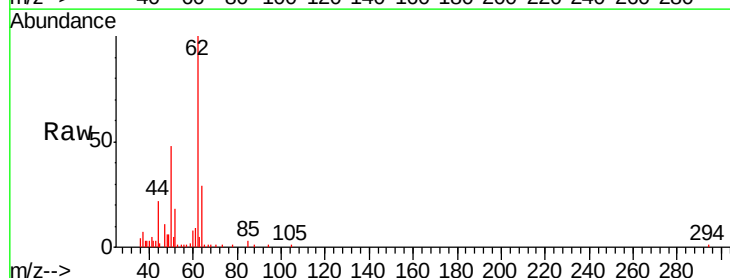
Acq: 20 Nov 2018 15:20

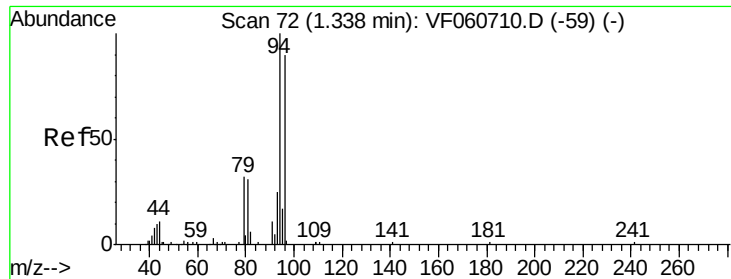
Tgt Ion: 62 Resp: 44600

Ion Ratio Lower Upper

62 100

64 29.3 25.8 38.8





#5

Bromomethane

Concen: 22.04 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 94 Resp: 25933

Ion Ratio Lower Upper

94 100

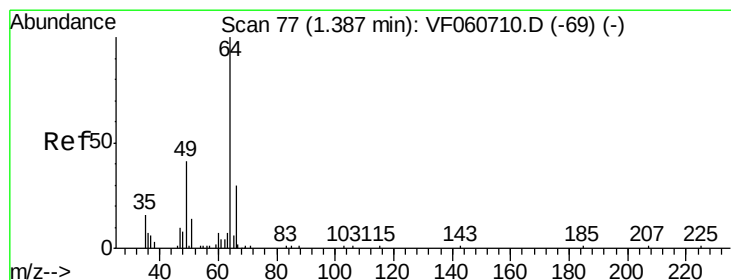
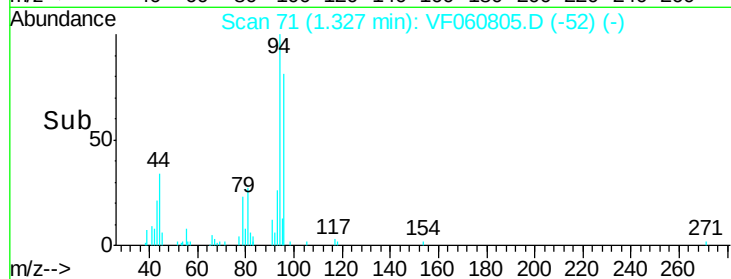
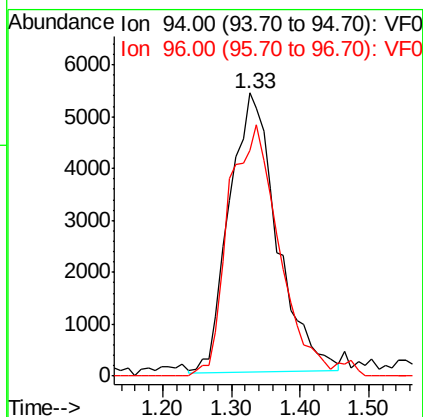
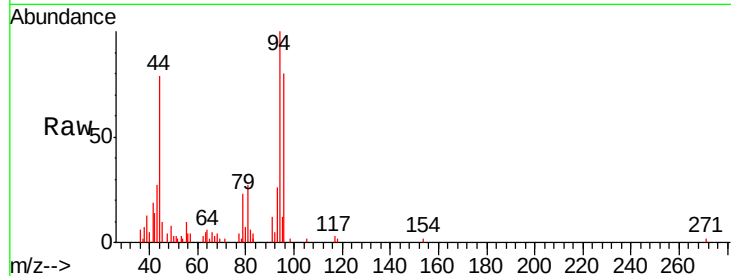
96 79.7 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 23.08 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060805.D

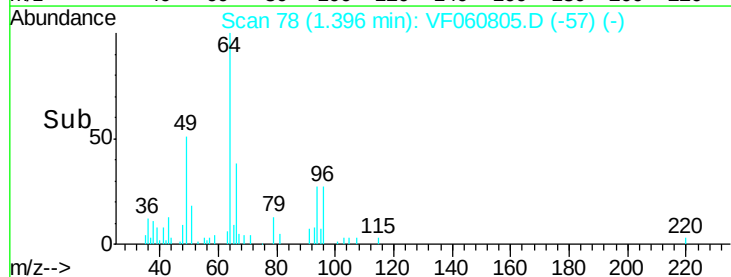
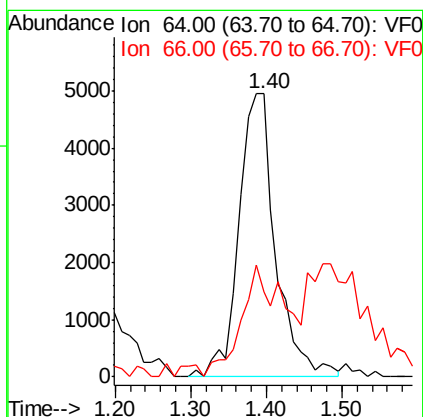
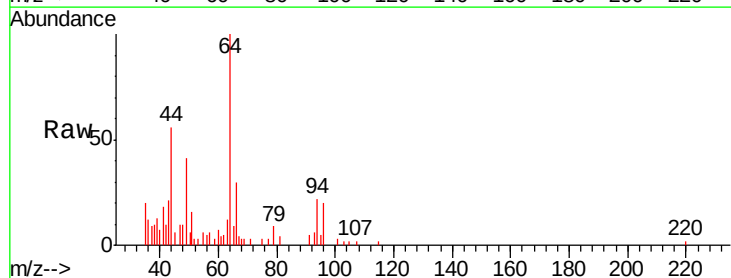
Acq: 20 Nov 2018 15:20

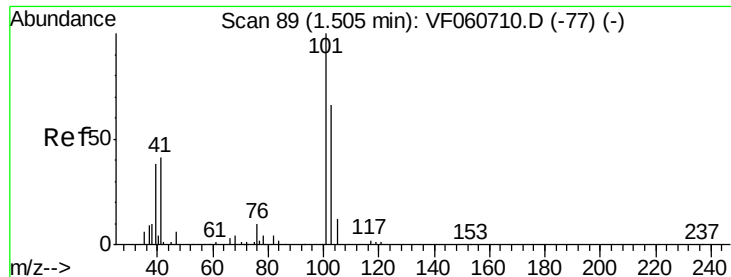
Tgt Ion: 64 Resp: 16727

Ion Ratio Lower Upper

64 100

66 30.0 24.8 37.2





#7

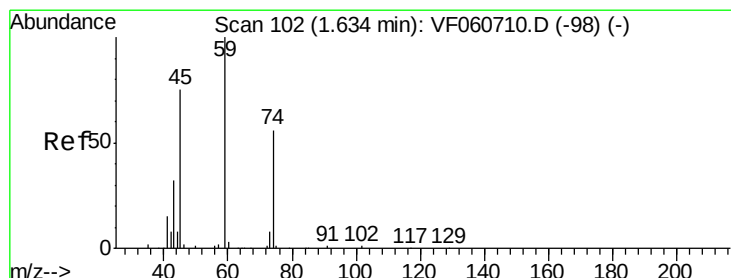
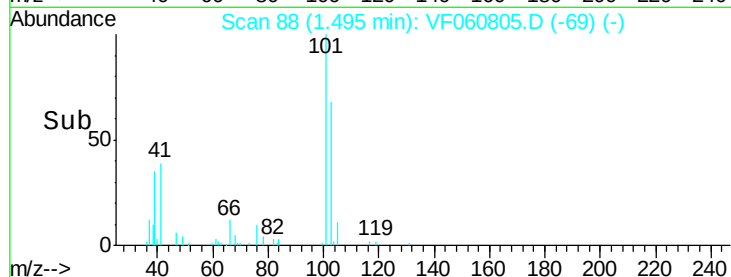
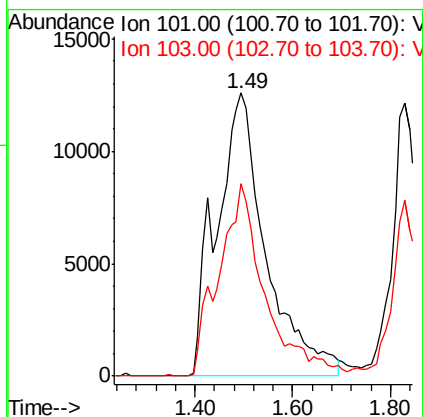
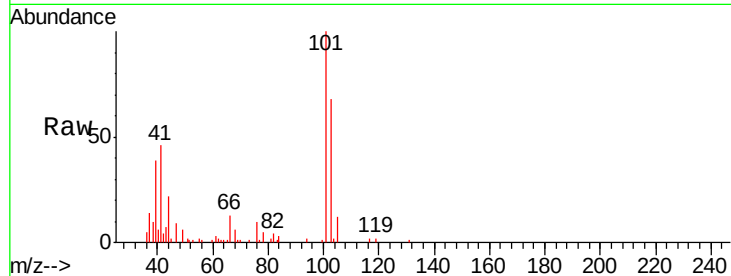
Trichlorofluoromethane
 Concen: 21.54 ug/l m
 RT: 1.49 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
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 ClientSampleId :
 VF1120SBD01

Tgt Ion: 101 Resp: 88203
 Ion Ratio Lower Upper
 101 100
 103 68.2 53.1 79.7

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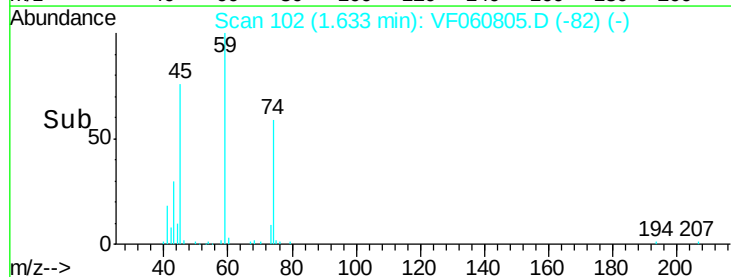
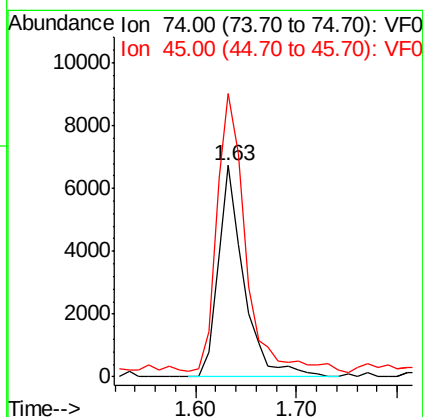
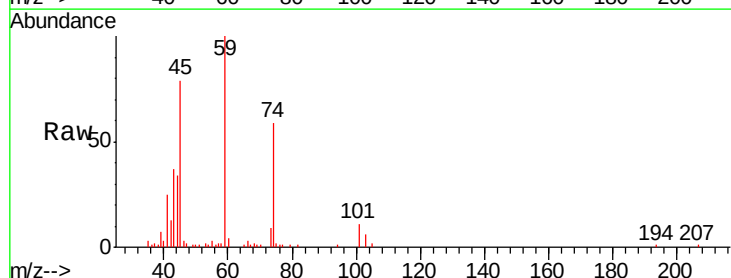
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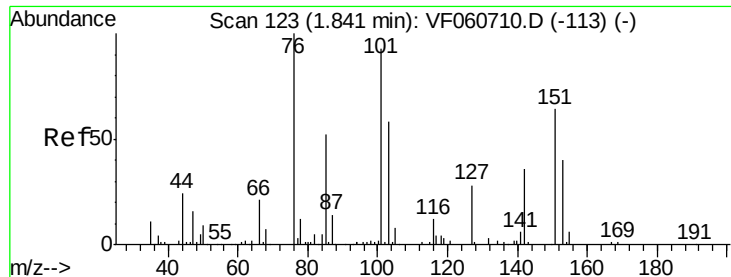


#8

Diethyl Ether
 Concen: 22.76 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion: 74 Resp: 11943
 Ion Ratio Lower Upper
 74 100
 45 134.0 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.71 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

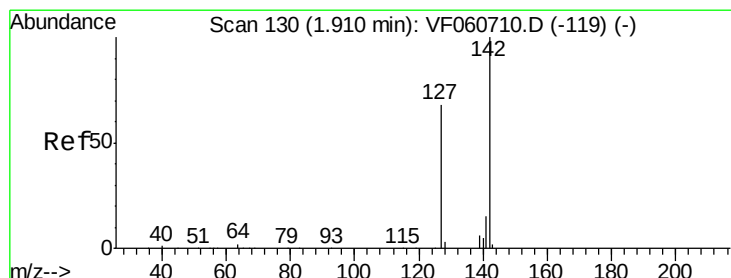
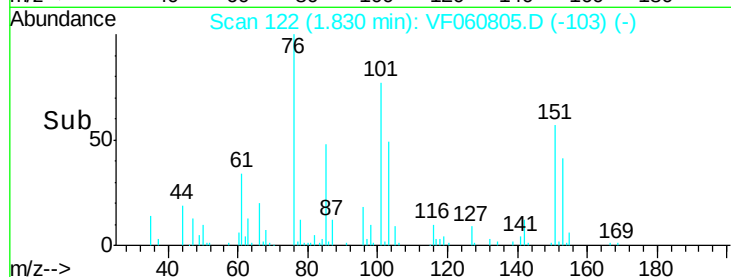
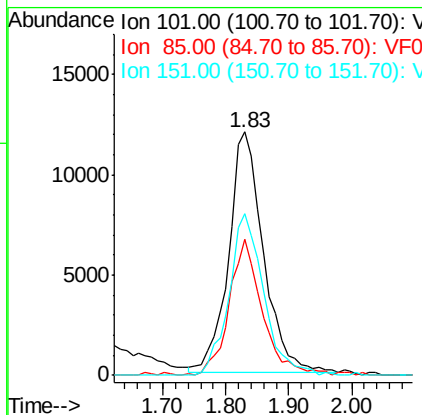
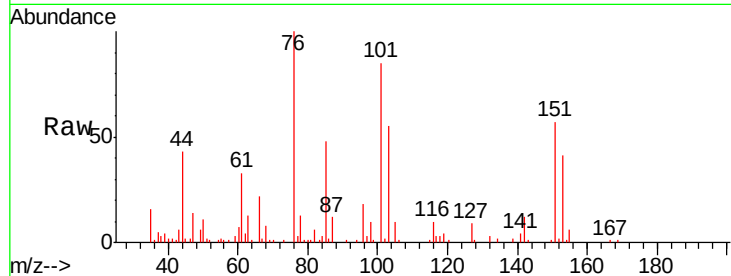
ClientSampleId :

VF1120SBD01

Tgt Ion:	101	Resp:	45762
Ion Ratio	Lower	Upper	
101	100		
85	55.9	43.6	65.4
151	66.3	53.1	79.7

Manual Integrations
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#10

Methyl Iodide

Concen: 22.96 ug/l m

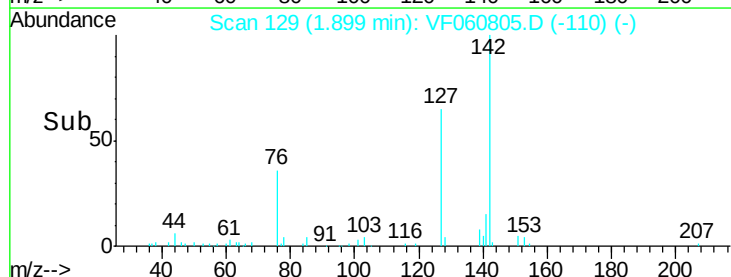
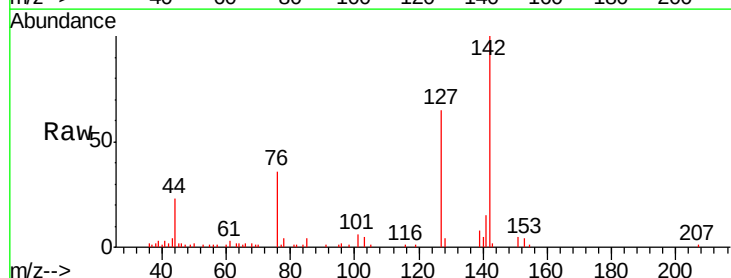
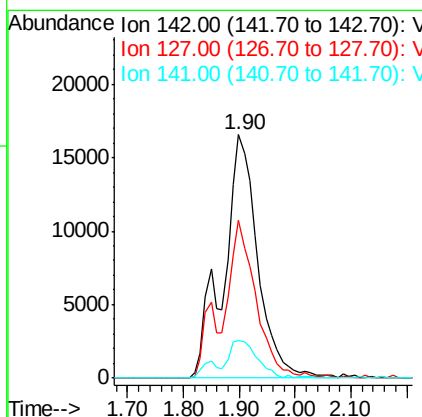
RT: 1.90 min Scan# 129

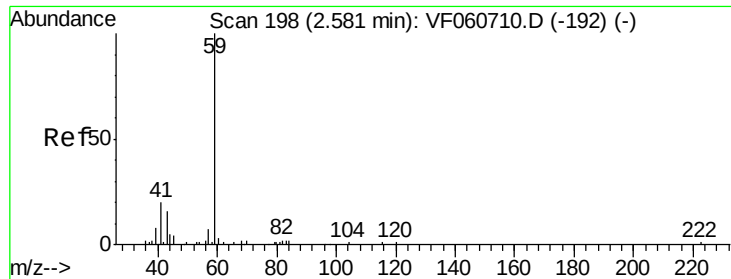
Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	142	Resp:	71109
Ion Ratio	Lower	Upper	
142	100		
127	64.8	54.0	81.0
141	15.4	12.3	18.5





#11

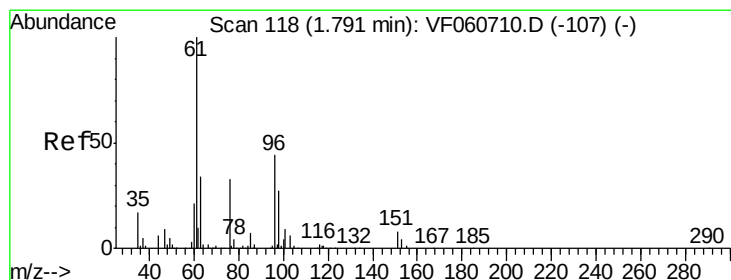
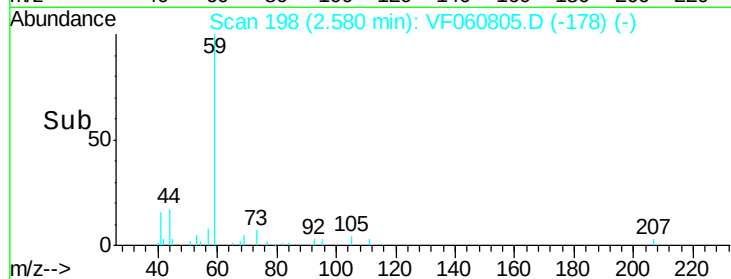
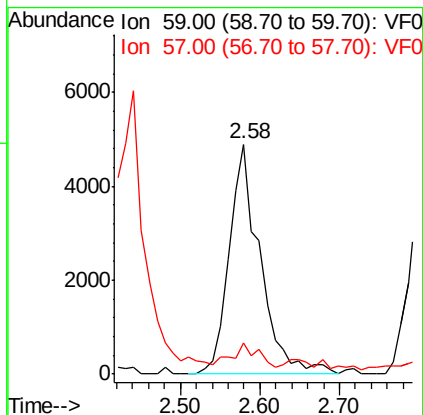
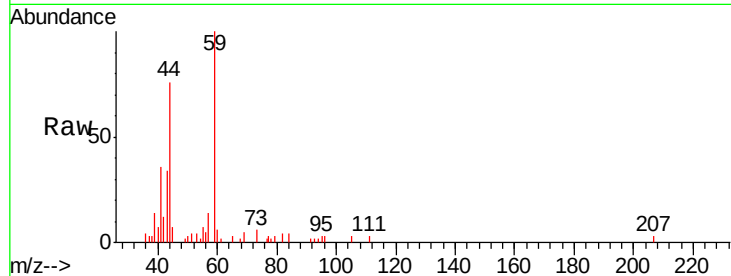
Tert butyl alcohol
Concen: 136.94 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion: 59 Resp: 13260
Ion Ratio Lower Upper
59 100
57 13.7 10.5 15.7

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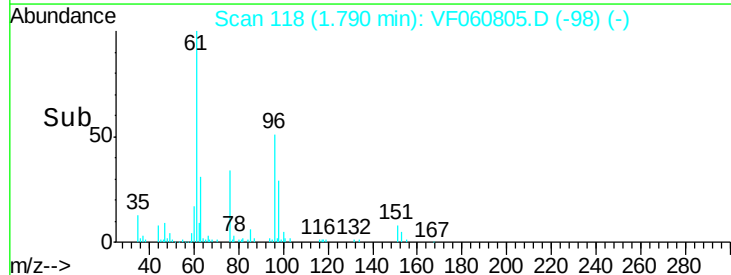
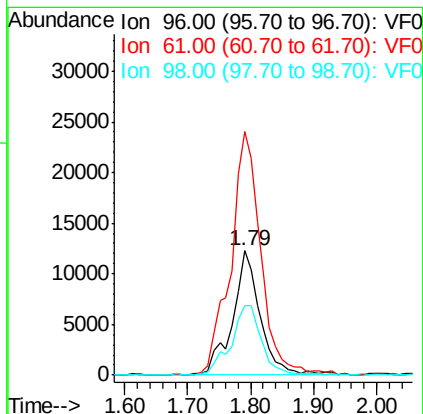
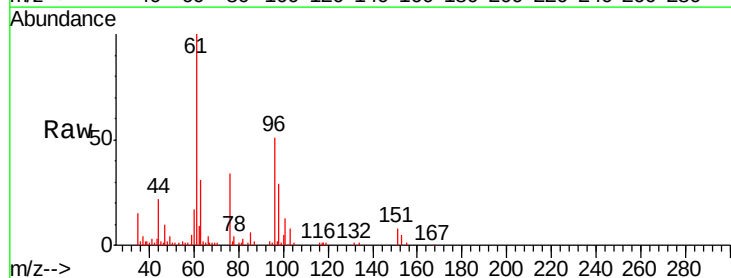
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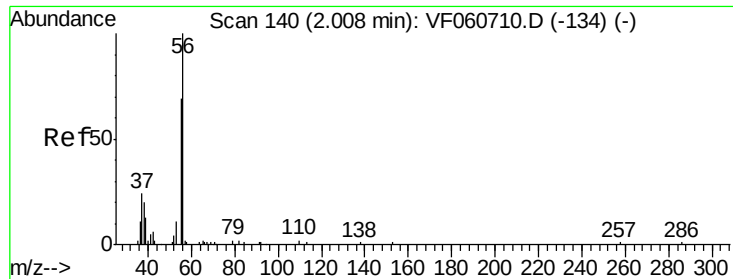


#12

1,1-Dichloroethene
Concen: 24.82 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 96 Resp: 37777
Ion Ratio Lower Upper
96 100
61 195.7 182.2 273.2
98 55.9 49.2 73.8





#13

Acrolein

Concen: 82.28 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 56 Resp: 7285

Ion Ratio Lower Upper

56 100

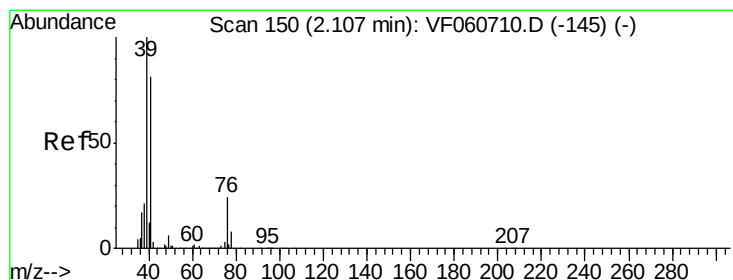
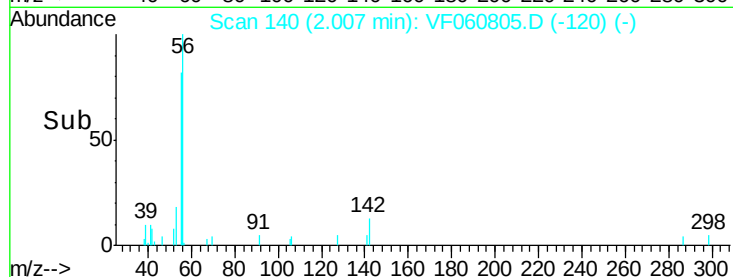
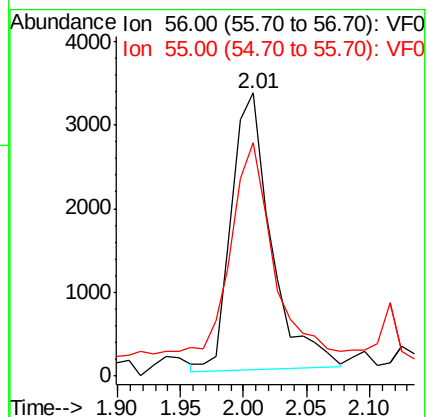
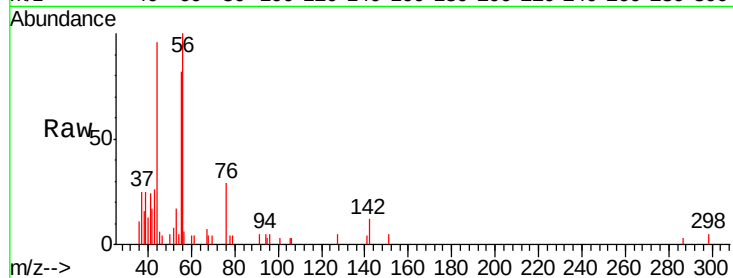
55 82.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.18 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

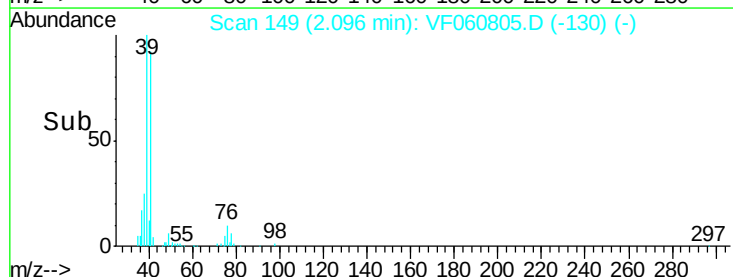
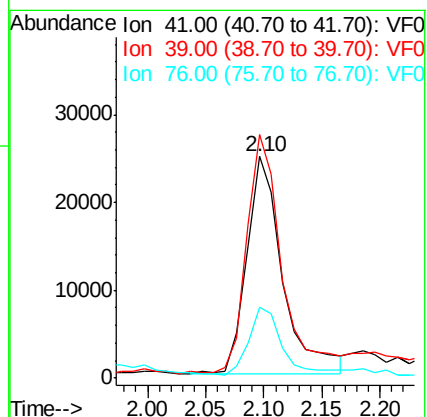
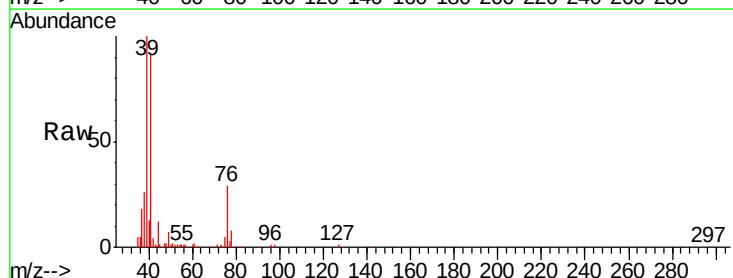
Tgt Ion: 41 Resp: 53799

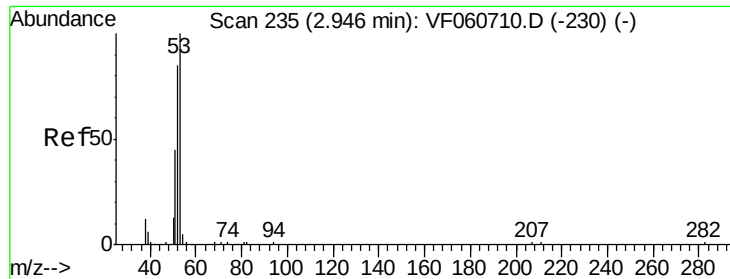
Ion Ratio Lower Upper

41 100

39 109.8 98.5 147.7

76 31.8 24.5 36.7





#15

Acrylonitrile

Concen: 125.72 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

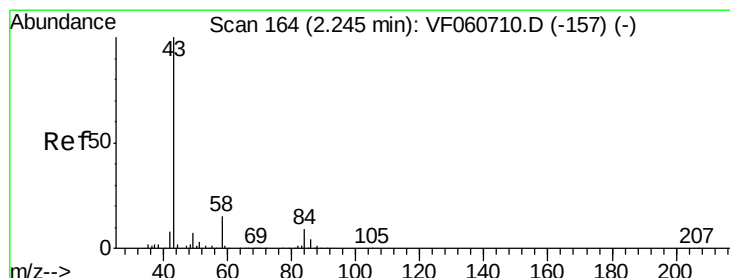
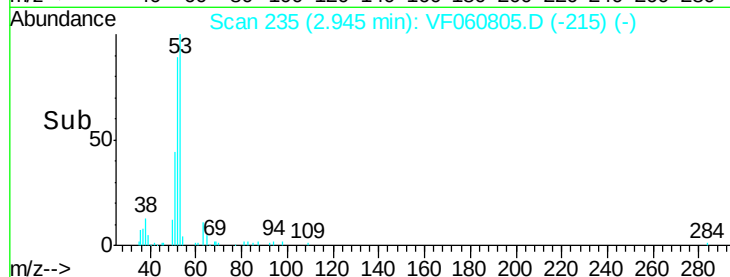
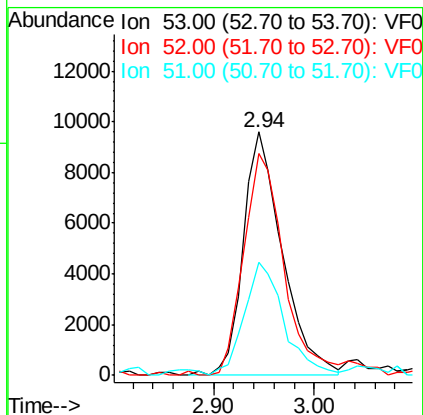
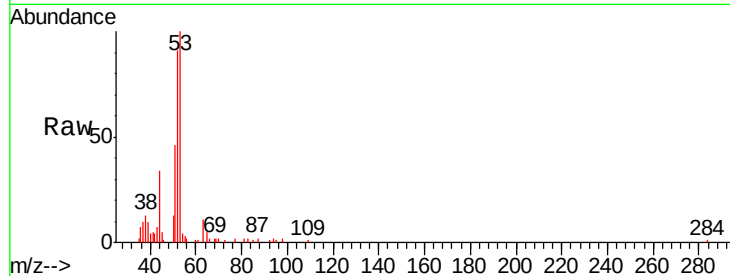
ClientSampleId :

VF1120SBD01

Tgt Ion:	53	Resp:	25940
Ion	Ratio	Lower	Upper
53	100		
52	91.2	68.8	103.2
51	46.2	36.7	55.1

Manual Integrations
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#16

Acetone

Concen: 111.52 ug/l

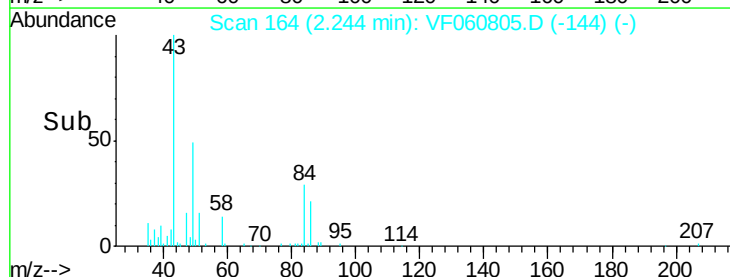
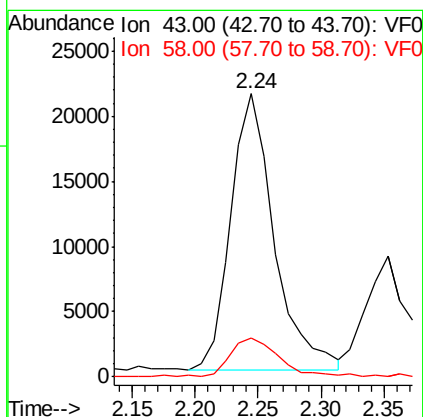
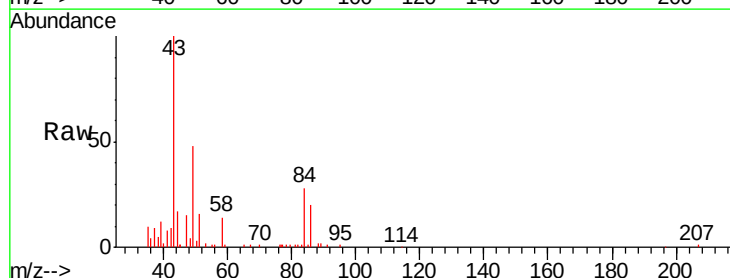
RT: 2.24 min Scan# 164

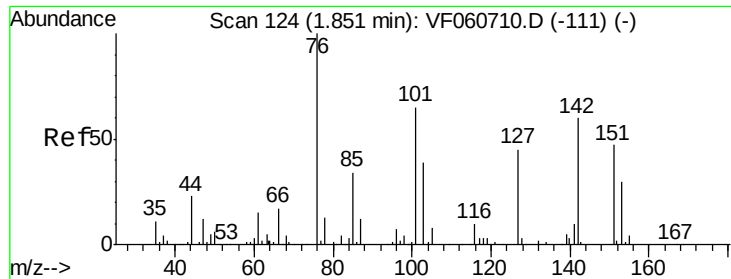
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	43	Resp:	50717
Ion	Ratio	Lower	Upper
43	100		
58	13.8	11.6	17.4





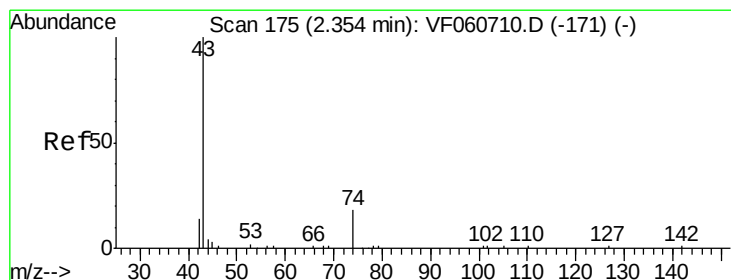
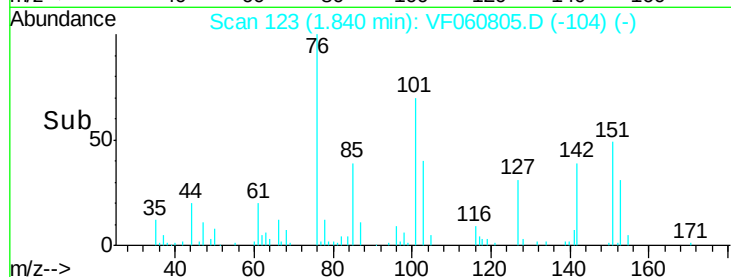
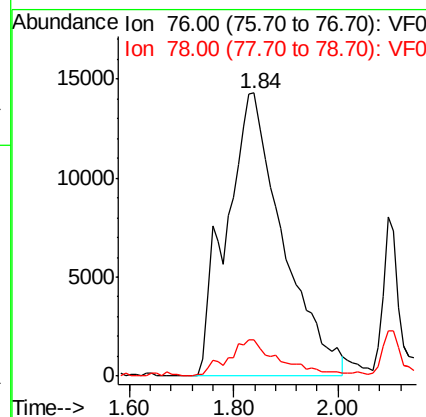
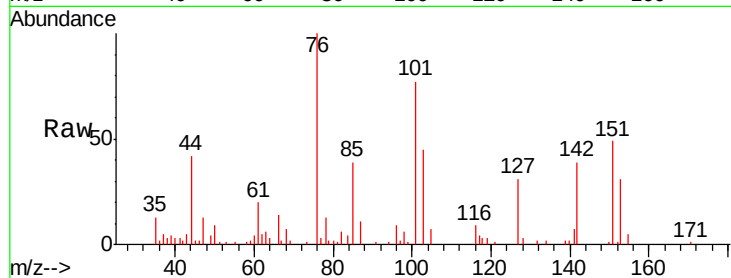
#17
Carbon Disulfide
Concen: 23.03 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion: 76 Resp: 105908
Ion Ratio Lower Upper
76 100
78 12.8 10.5 15.7

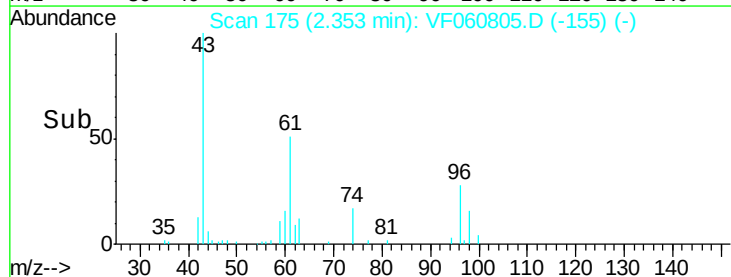
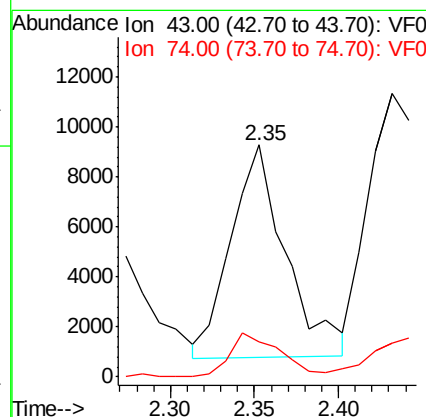
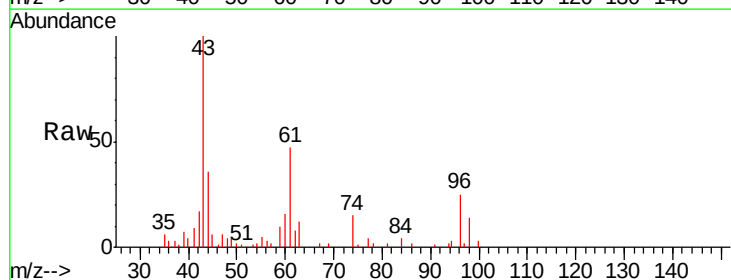
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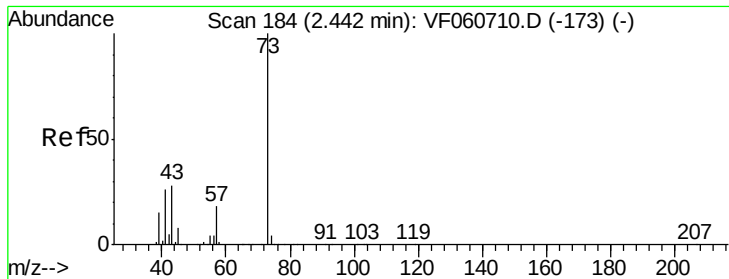
apatel
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#18
Methyl Acetate
Concen: 25.71 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 43 Resp: 19198
Ion Ratio Lower Upper
43 100
74 15.2 11.8 17.8





#19

Methyl tert-butyl Ether

Concen: 23.28 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 73 Resp: 84978

Ion Ratio Lower Upper

73 100

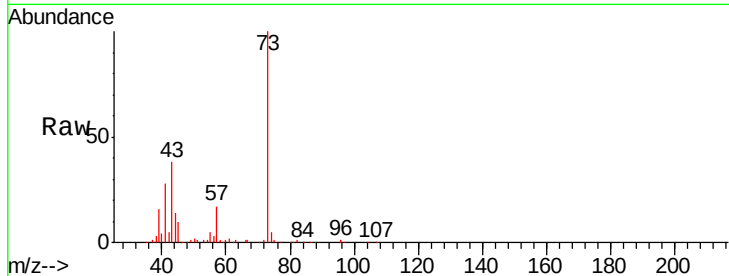
57 16.6 14.3 21.5

Manual Integrations

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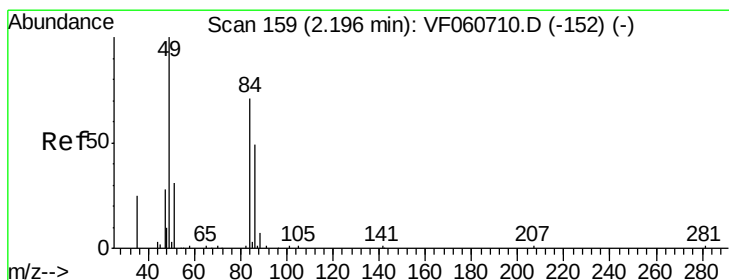
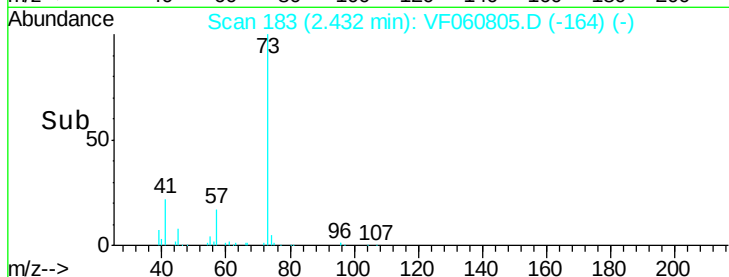
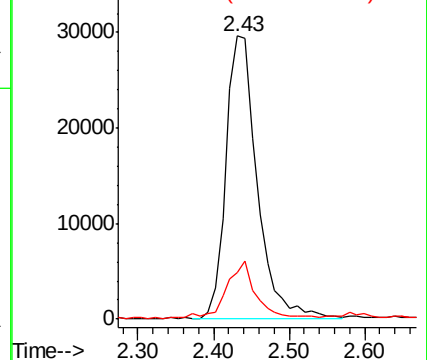
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Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 25.47 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion: 84 Resp: 40611

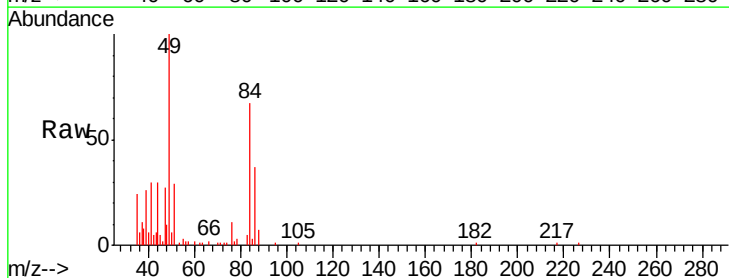
Ion Ratio Lower Upper

84 100

49 150.0 120.2 180.4

51 43.1 37.2 55.8

86 56.0 55.1 82.7

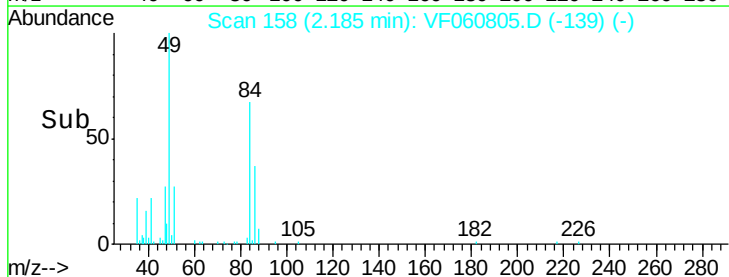
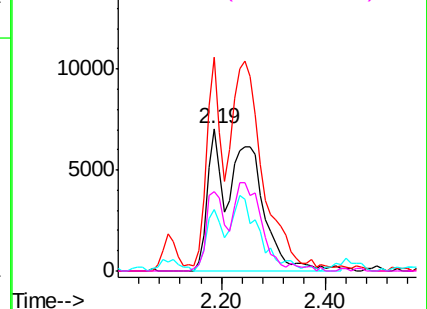


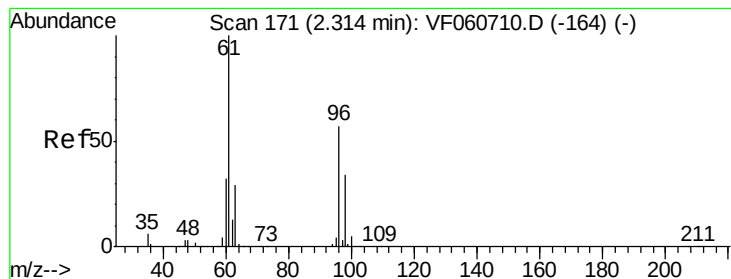
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 25.00 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

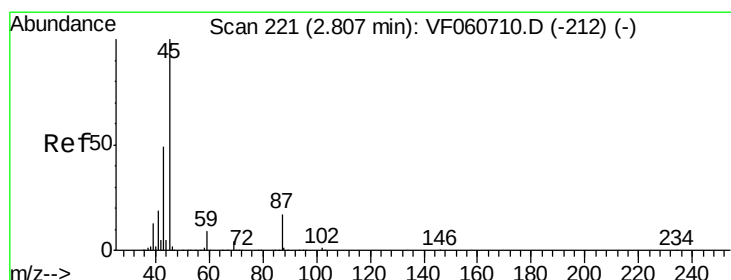
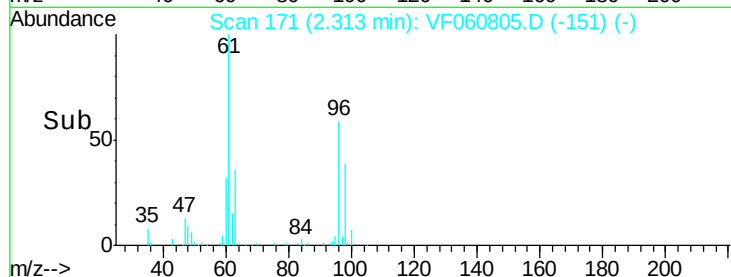
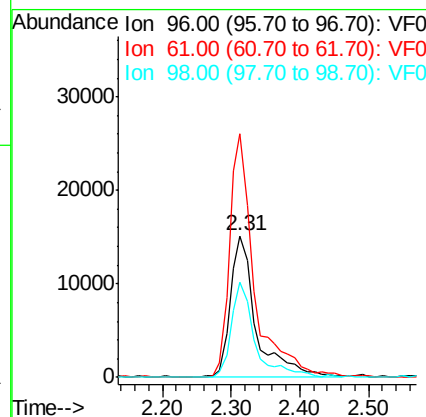
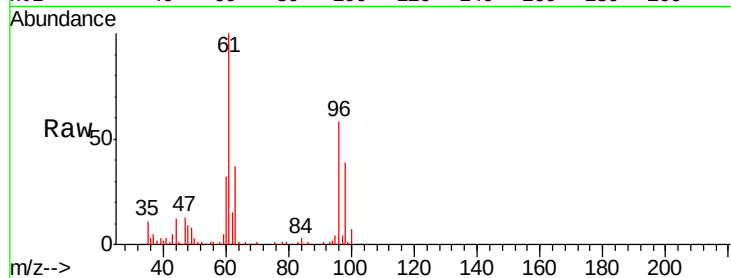
ClientSampleId :

VF1120SBD01

Tgt Ion:	96	Resp:	39742
Ion	Ratio	Lower	Upper
96	100		
61	171.9	141.6	212.4
98	67.0	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.91 ug/l

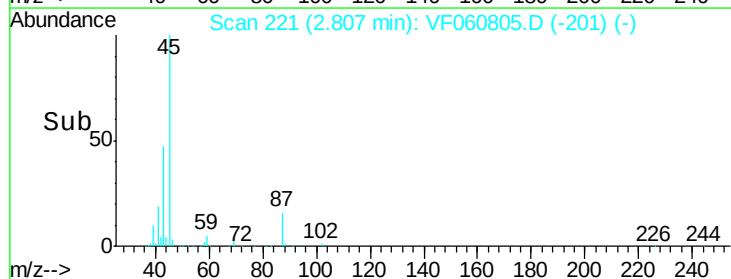
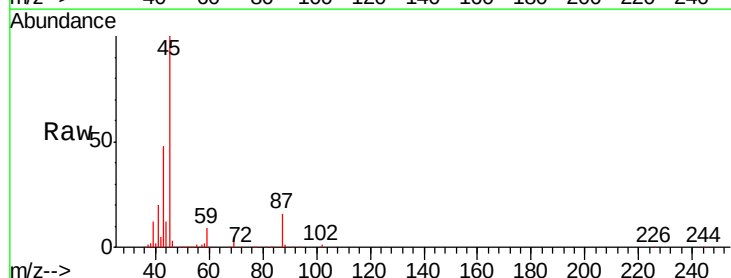
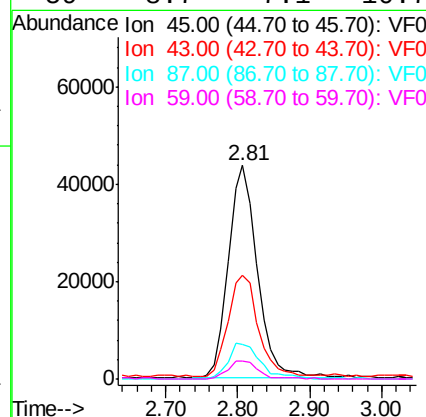
RT: 2.81 min Scan# 221

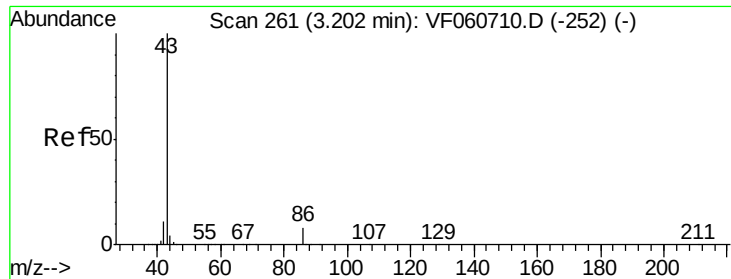
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	45	Resp:	123043
Ion	Ratio	Lower	Upper
45	100		
43	48.4	39.9	59.9
87	16.2	13.9	20.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 125.03 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 43 Resp: 303040

Ion Ratio Lower Upper

43 100

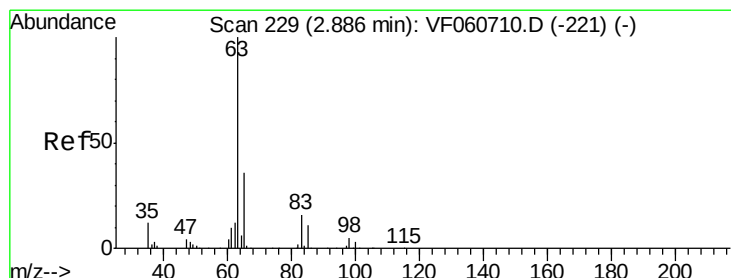
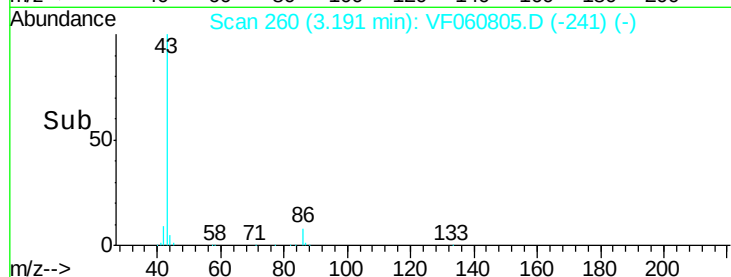
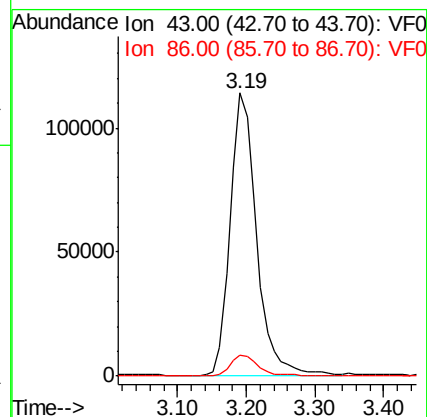
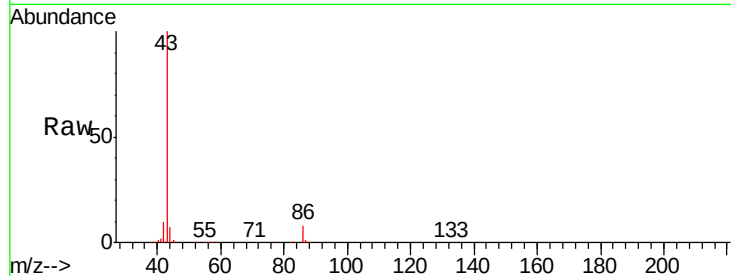
86 7.5 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 22.85 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

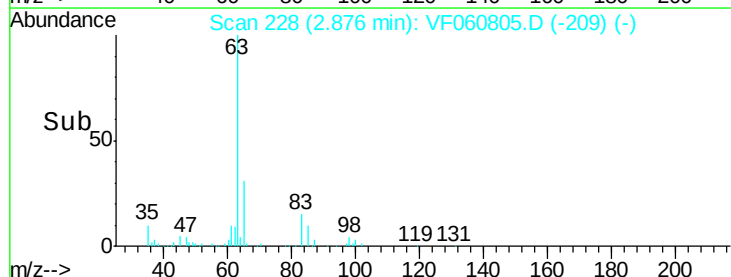
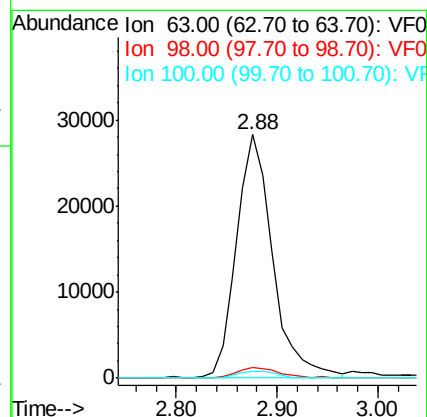
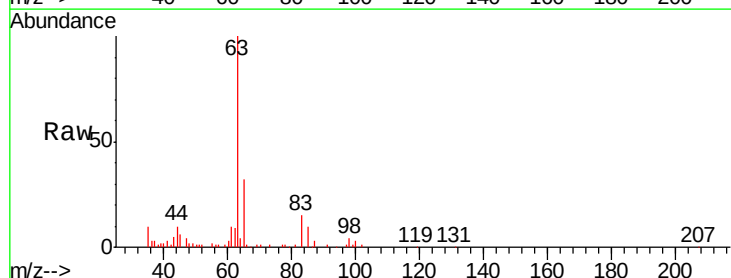
Tgt Ion: 63 Resp: 71209

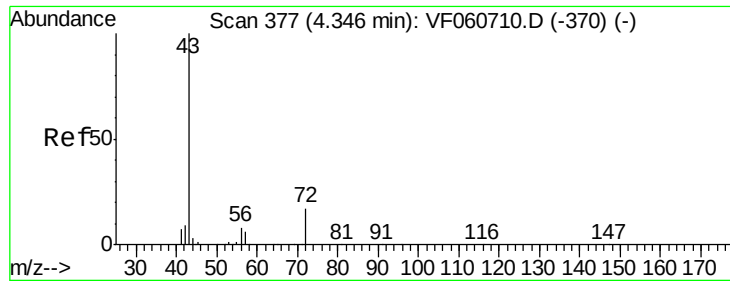
Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.1

100 3.0 1.4 4.2





#25

2-Butanone

Concen: 115.73 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 43 Resp: 86567

Ion Ratio Lower Upper

43 100

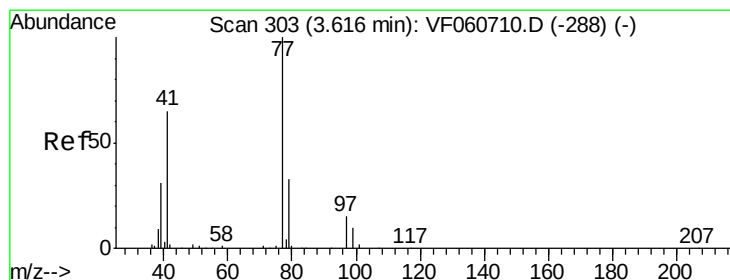
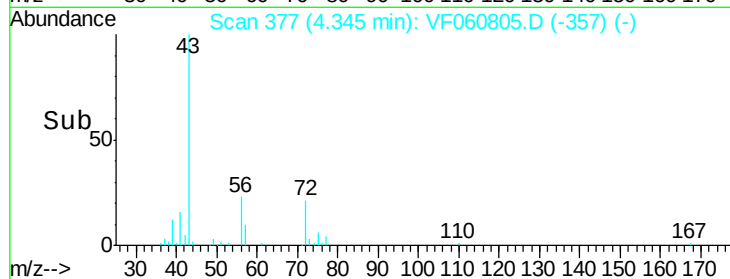
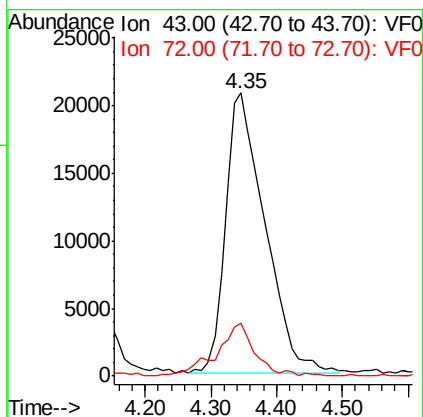
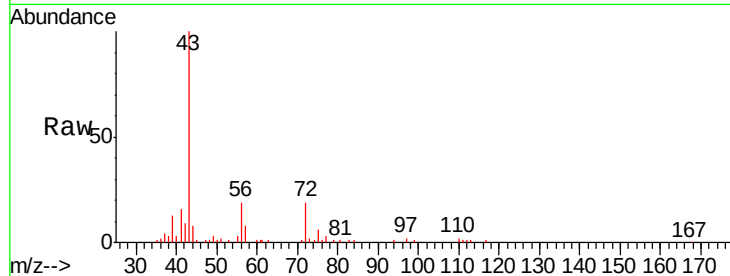
72 18.6 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.61 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060805.D

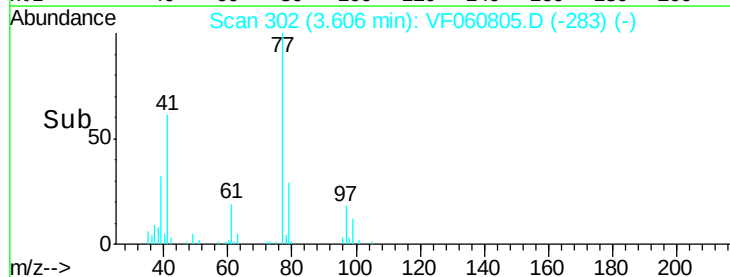
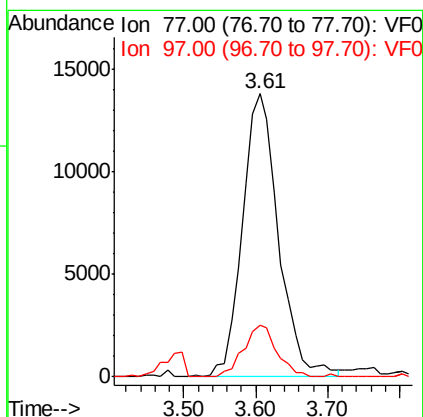
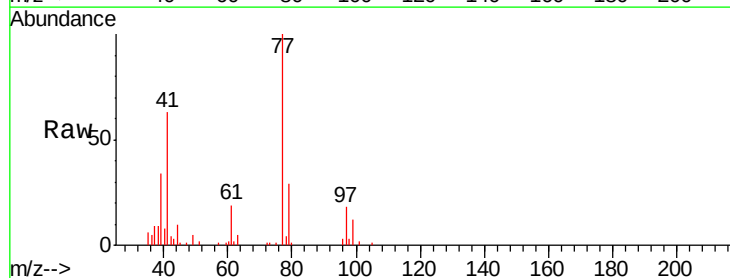
Acq: 20 Nov 2018 15:20

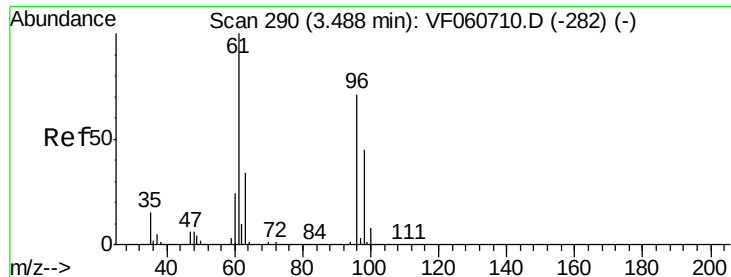
Tgt Ion: 77 Resp: 48081

Ion Ratio Lower Upper

77 100

97 18.2 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 22.64 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

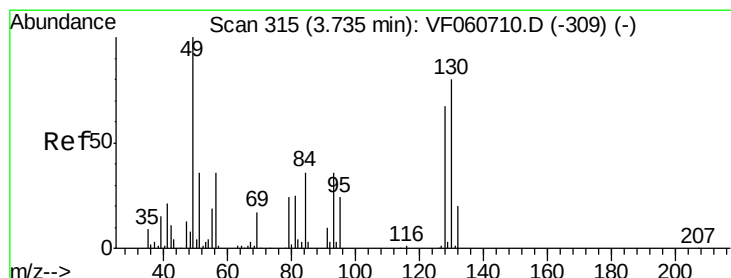
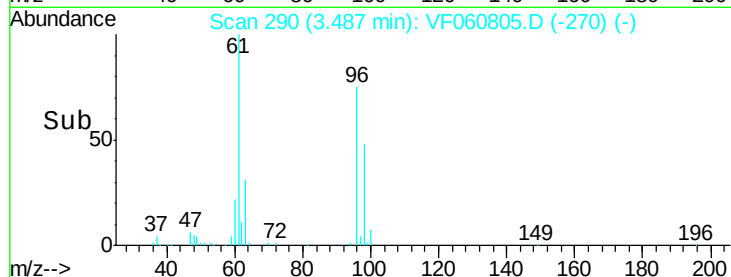
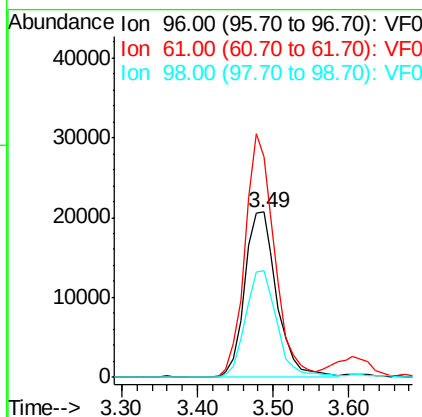
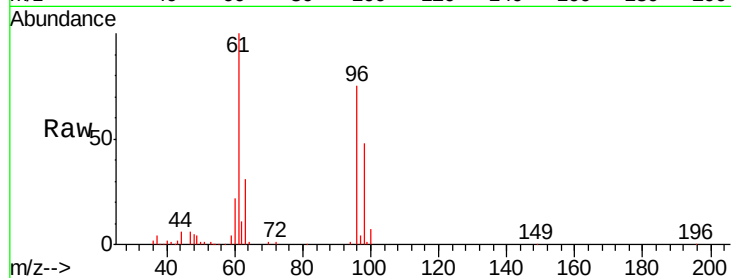
ClientSampleId :

VF1120SBD01

Tgt Ion:	96	Resp:	61228
Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	280.6
98	64.4	0.0	127.6

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#28

Bromochloromethane

Concen: 22.45 ug/l

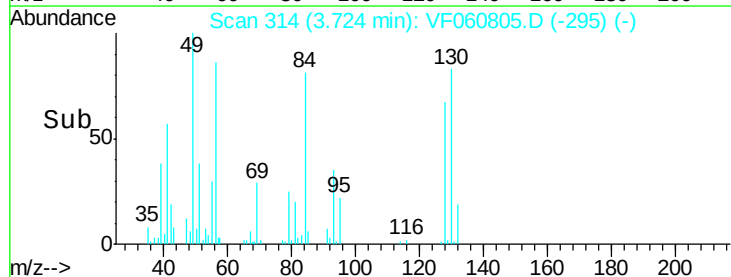
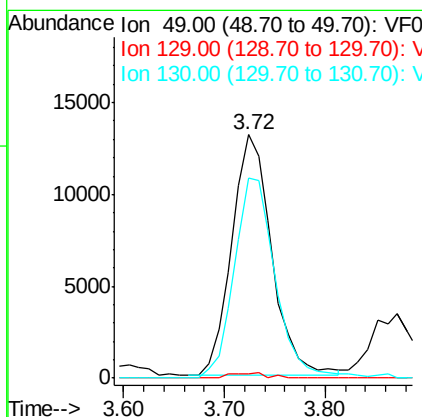
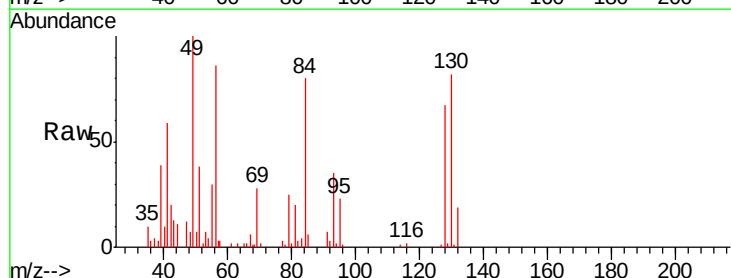
RT: 3.72 min Scan# 314

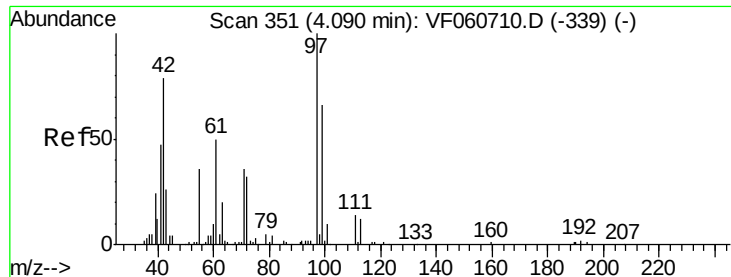
Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	49	Resp:	36357
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.2
130	82.1	63.9	95.9





#29

Tetrahydrofuran

Concen: 122.03 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

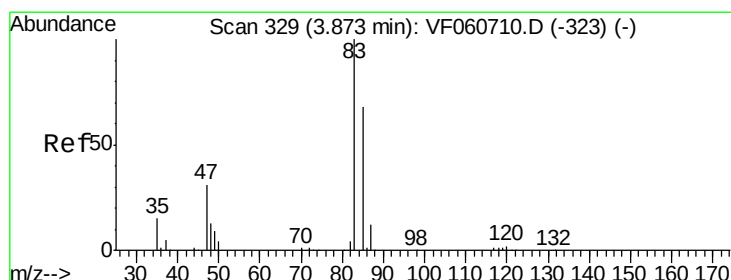
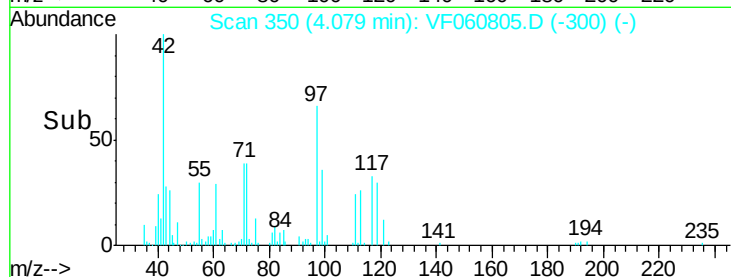
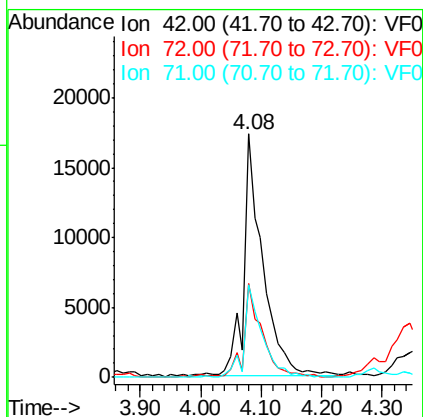
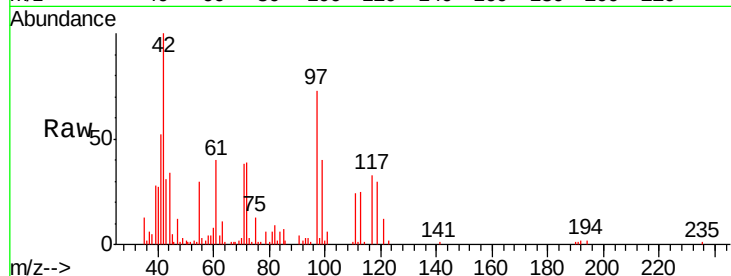
ClientSampleId :

VF1120SBD01

Tgt Ion:	42	Resp:	37651
Ion	Ratio	Lower	Upper
42	100		
72	36.8	30.3	45.5
71	36.6	32.2	48.2

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#30

Chloroform

Concen: 22.24 ug/l

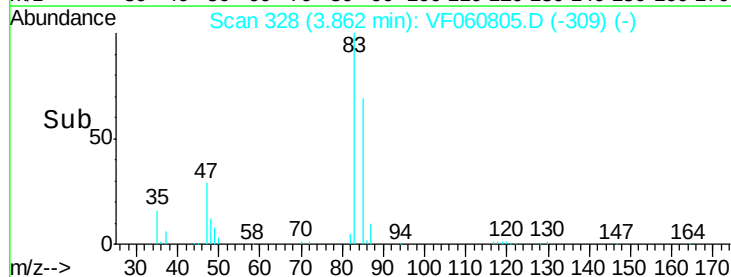
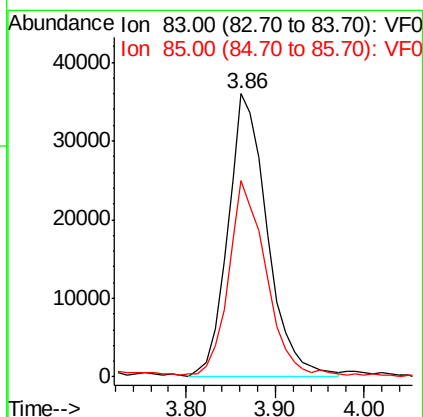
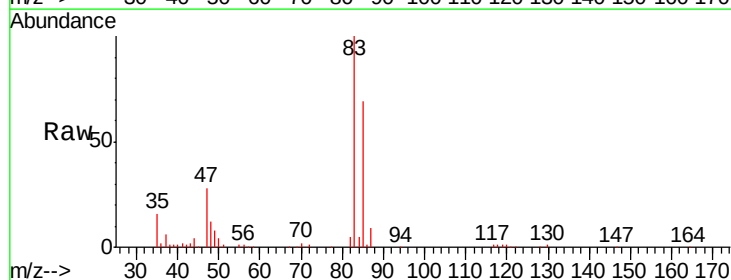
RT: 3.86 min Scan# 328

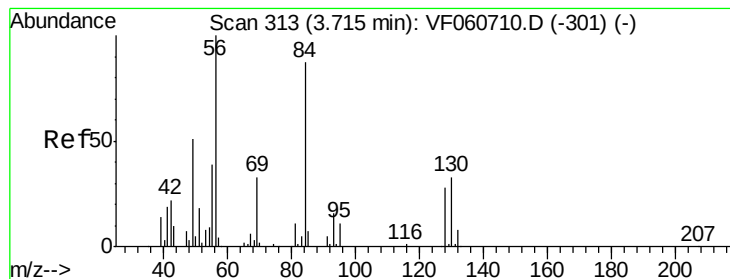
Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	83	Resp:	111196
Ion	Ratio	Lower	Upper
83	100		
85	69.1	54.6	82.0





#31

Cyclohexane

Concen: 23.08 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

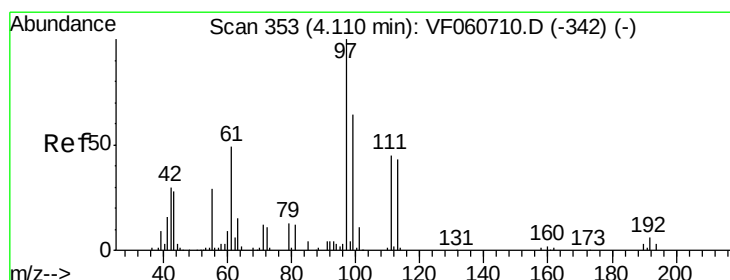
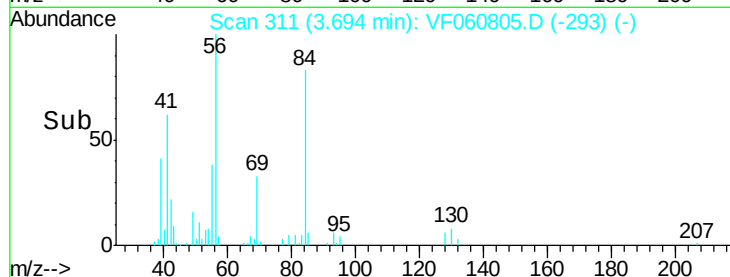
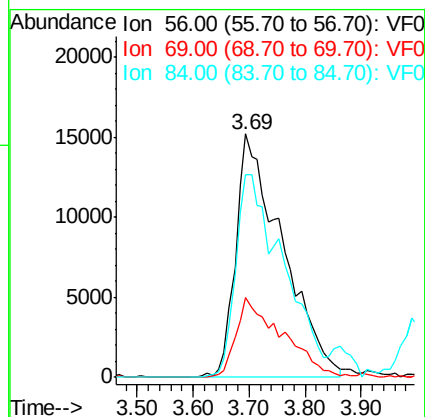
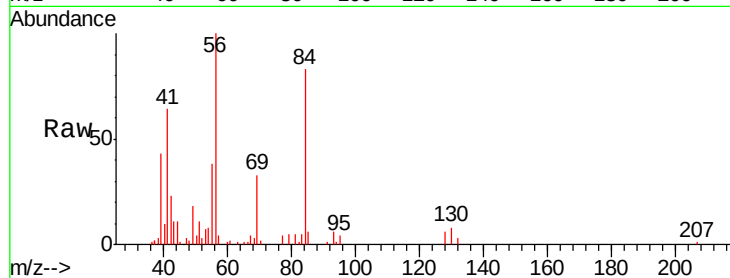
ClientSampleId :

VF1120SBD01

Tgt Ion:	56	Resp:	87300
Ion Ratio	Lower	Upper	
56	100		
69	32.9	26.0	39.0
84	83.2	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.56 ug/l

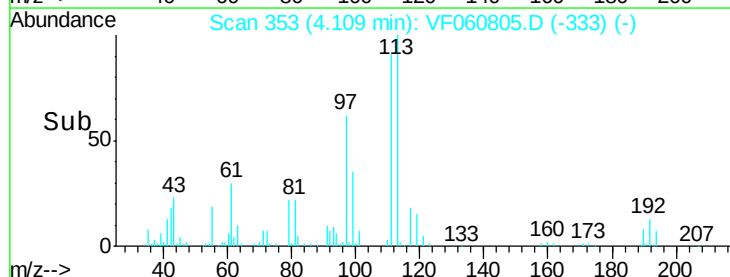
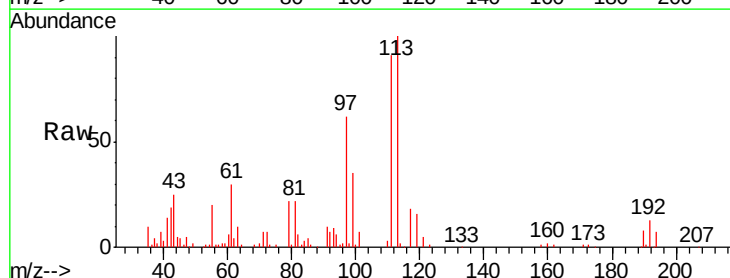
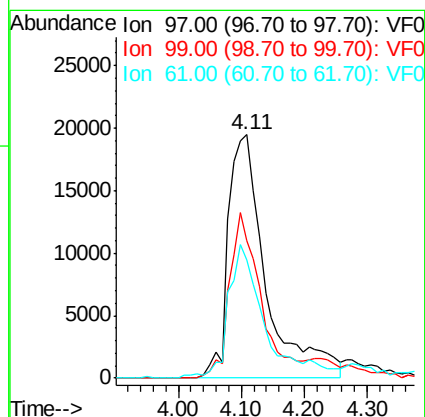
RT: 4.11 min Scan# 353

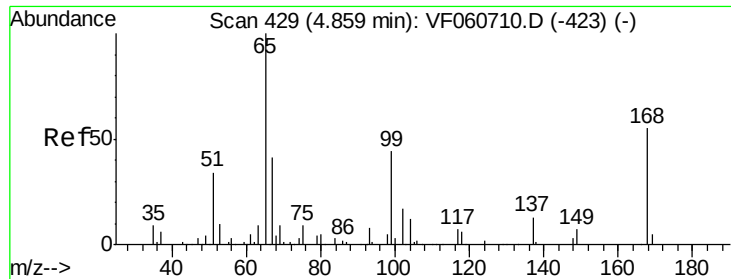
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	97	Resp:	80956
Ion Ratio	Lower	Upper	
97	100		
99	56.4	51.1	76.7
61	48.6	40.1	60.1





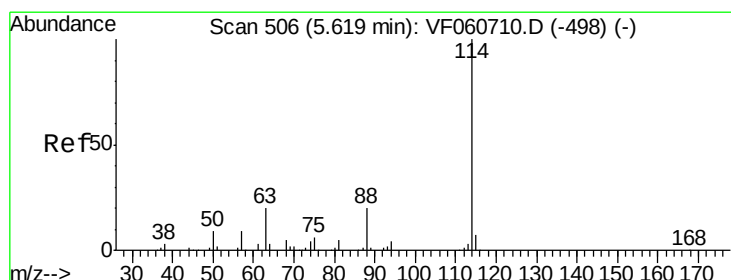
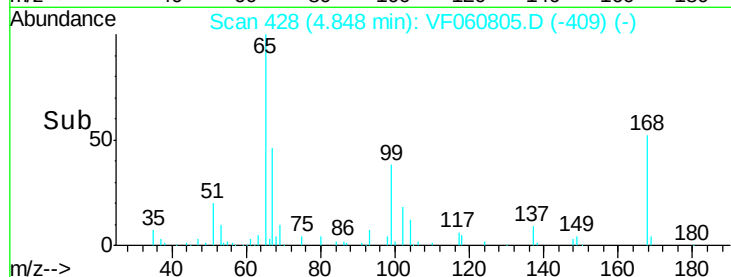
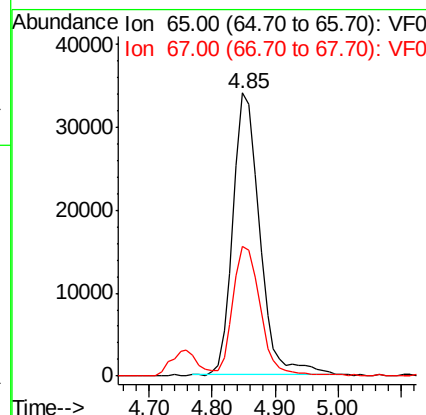
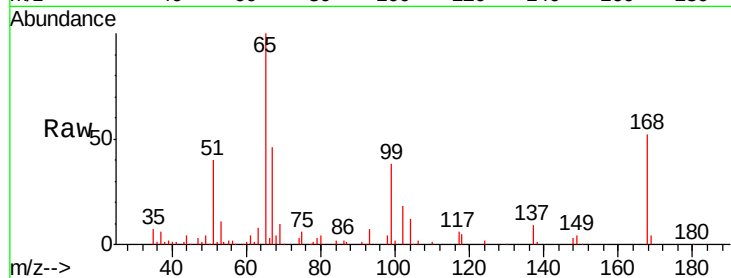
#33
 1,2-Dichloroethane-d4
 Concen: 46.99 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion: 65 Resp: 99979
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 90.2

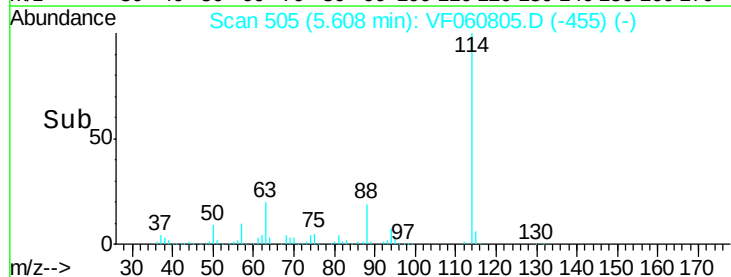
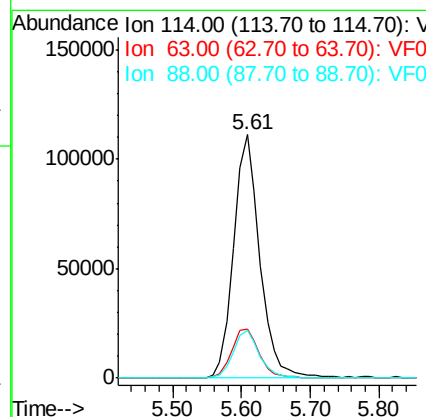
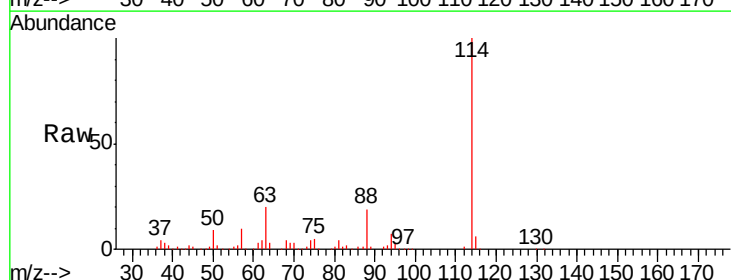
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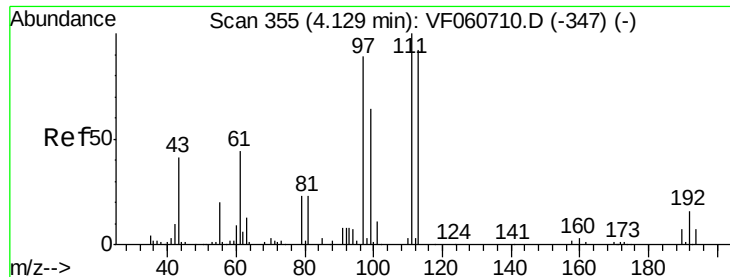
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion: 114 Resp: 293009
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 19.4 0.0 39.6





#35

Dibromofluoromethane

Concen: 53.90 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

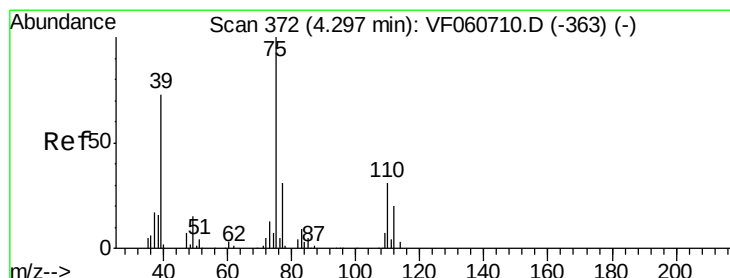
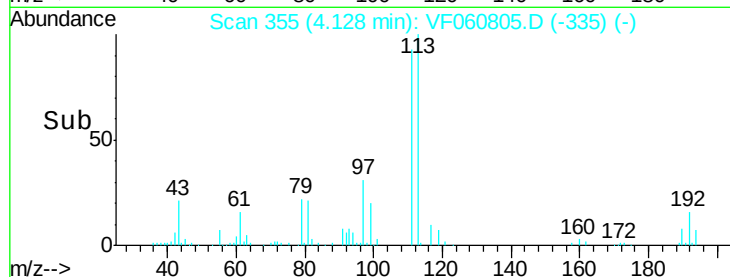
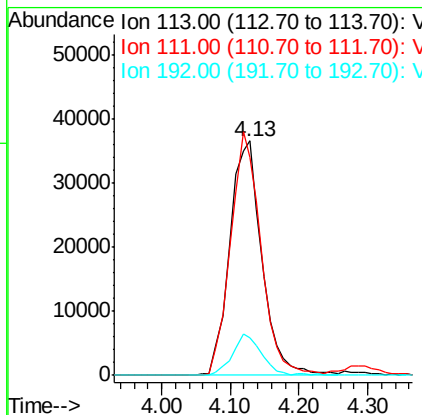
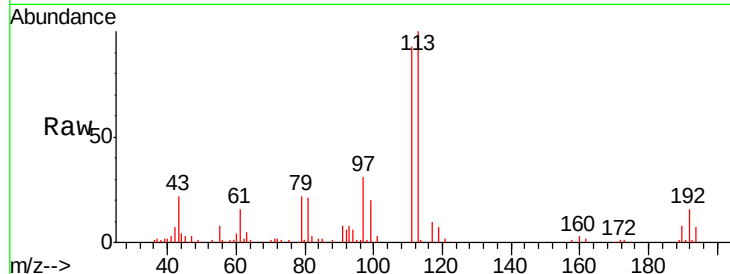
ClientSampleId :

VF1120SBD01

Tgt Ion:	113	Resp:	118725
Ion Ratio	Lower	Upper	
113	100		
111	92.8	87.1	130.7
192	15.8	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 23.60 ug/l

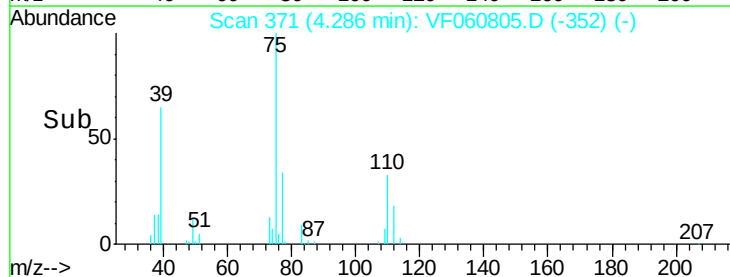
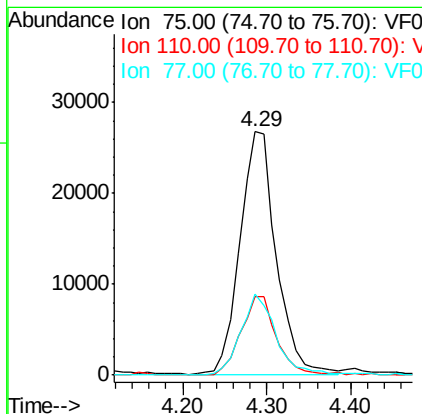
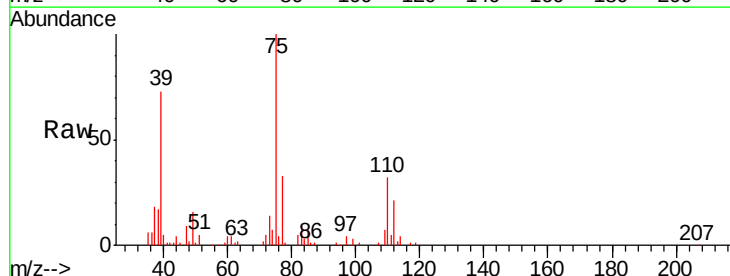
RT: 4.29 min Scan# 371

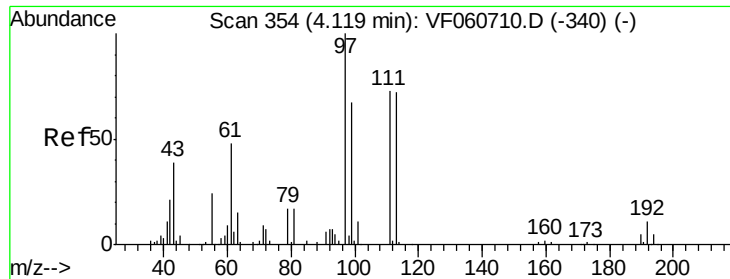
Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	75	Resp:	80182
Ion Ratio	Lower	Upper	
75	100		
110	32.1	15.6	46.8
77	33.3	25.0	37.6





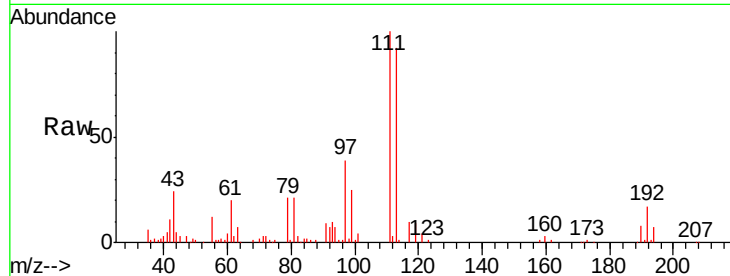
#37
Ethyl Acetate
 Concen: 25.82 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

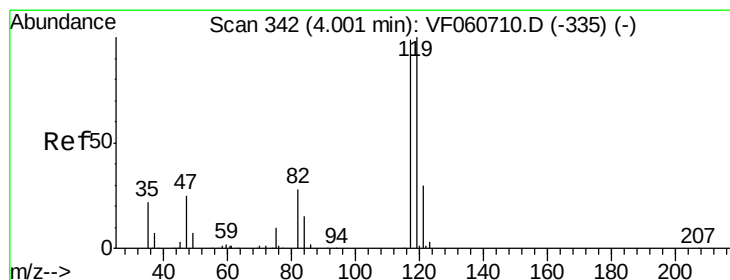
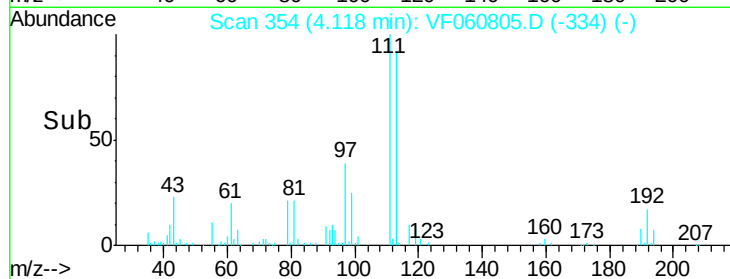
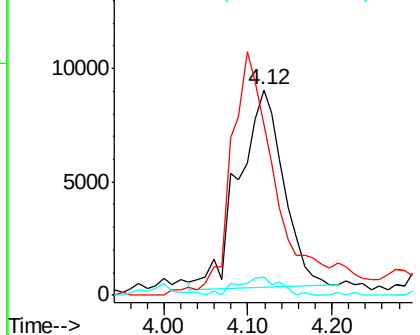
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	32615		
61	83.1	98.5	147.7#	
70	8.9	7.4	11.0	

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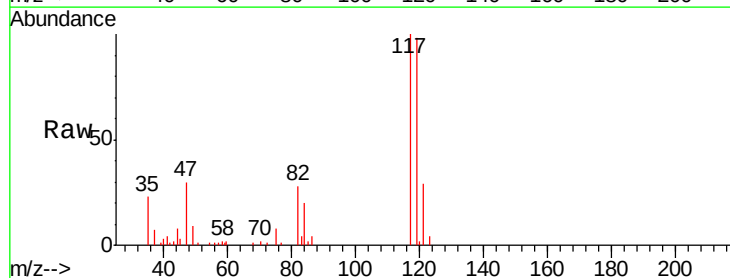


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

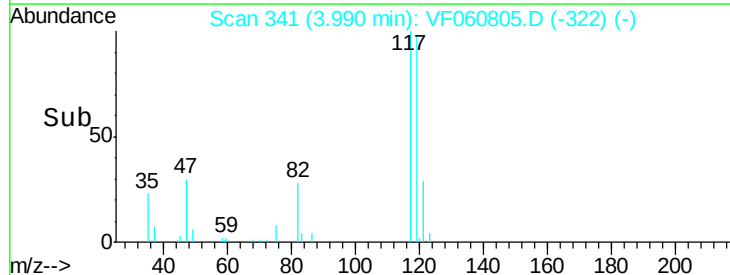
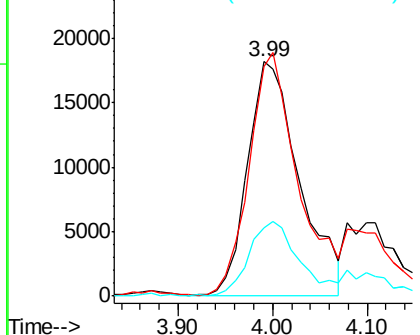


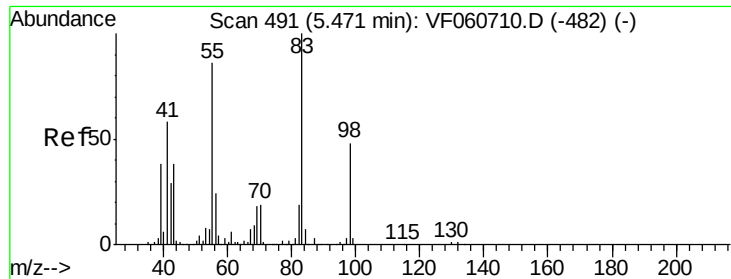
#38
Carbon Tetrachloride
 Concen: 21.07 ug/l
 RT: 3.99 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69459		
119	98.1	80.7	121.1	
121	29.0	24.3	36.5	



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





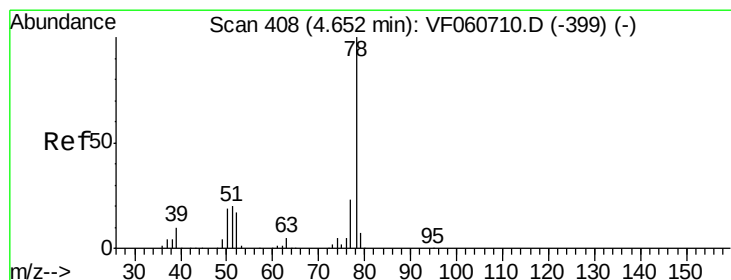
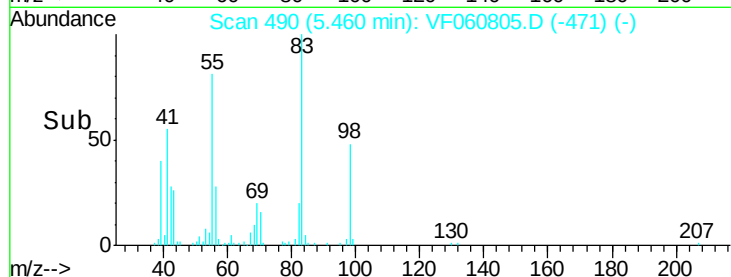
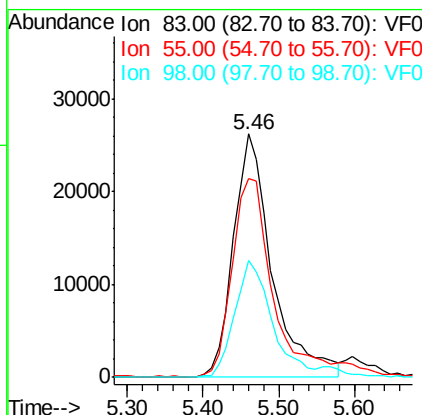
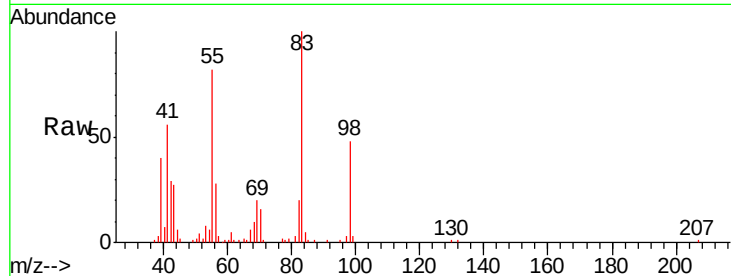
#39
Methylcyclohexane
Concen: 23.59 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.6	69.0	103.4
98	47.8	38.5	57.7

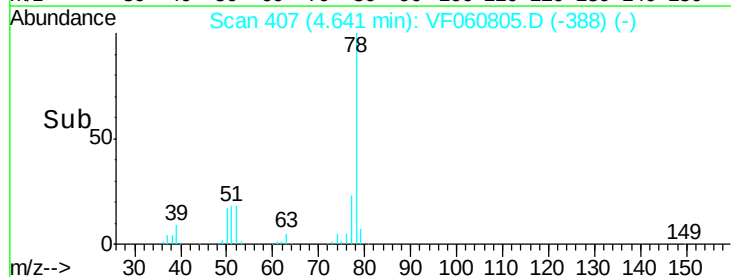
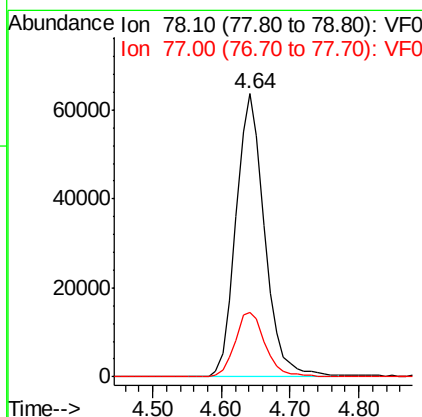
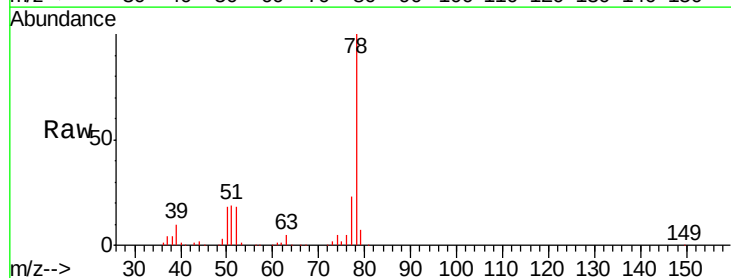
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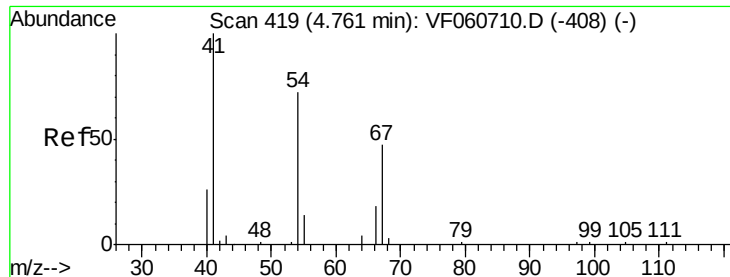
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#40
Benzene
Concen: 24.25 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





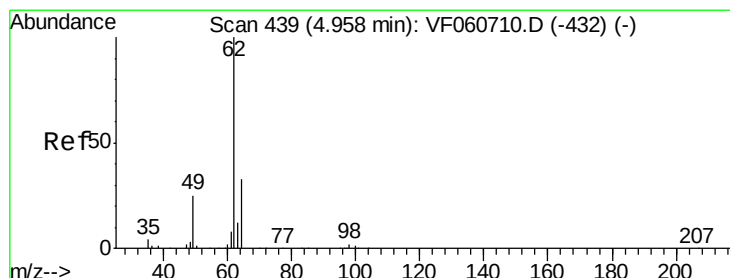
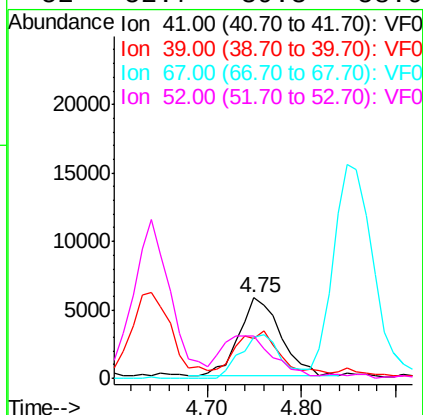
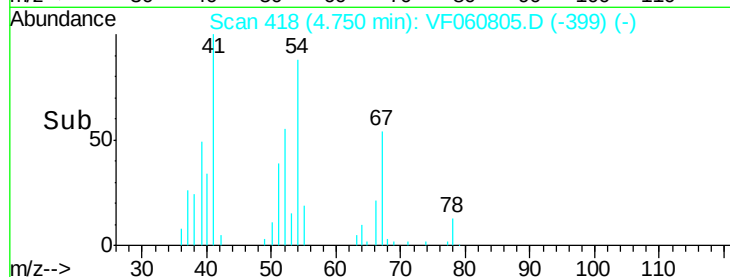
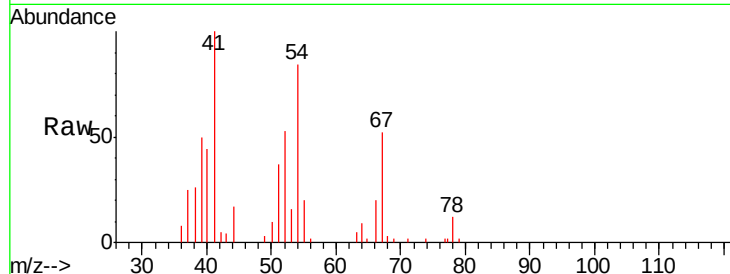
#41
Methacrylonitrile
Concen: 24.15 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	49.9	47.1	70.7
67	67	51.6	37.1	55.7
52	52	52.7	39.3	58.9

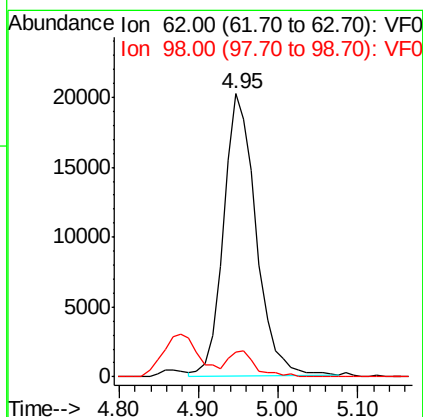
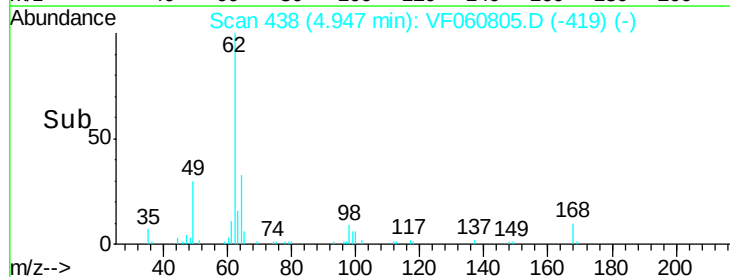
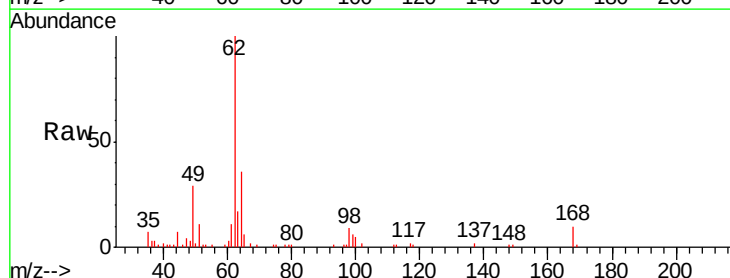
Manual Integrations
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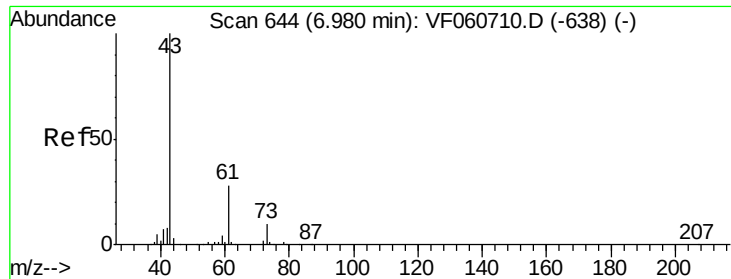
apatel
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#42
1,2-Dichloroethane
Concen: 21.96 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.9	0.0	16.6





#43

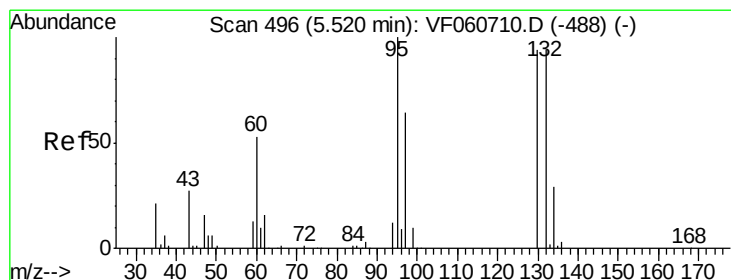
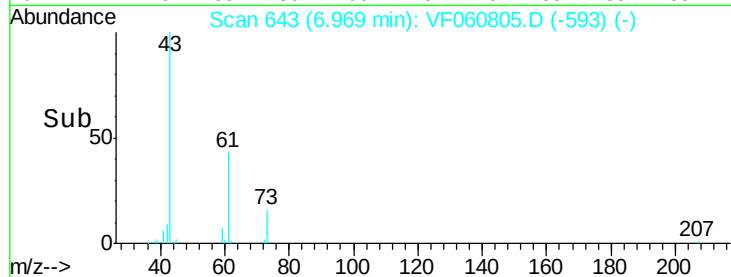
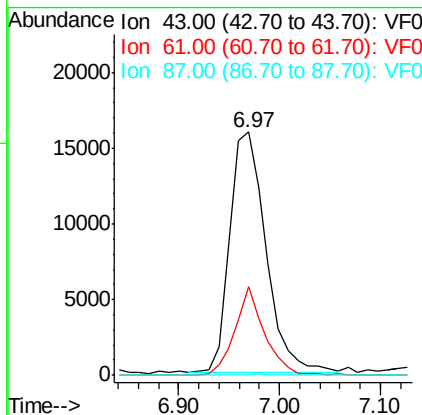
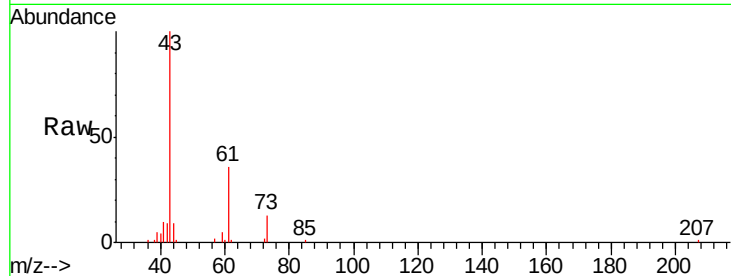
Isopropyl Acetate
 Concen: 23.68 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	36.3	22.2	33.4#
87	0.0	0.4	0.6#

Manual Integrations
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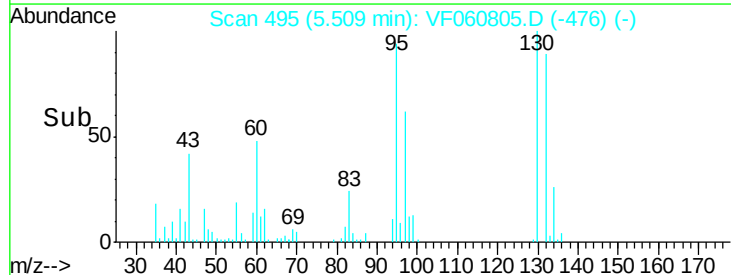
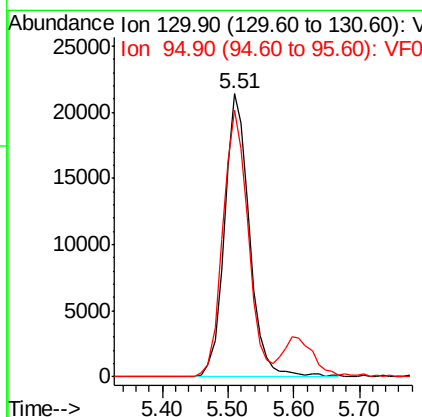
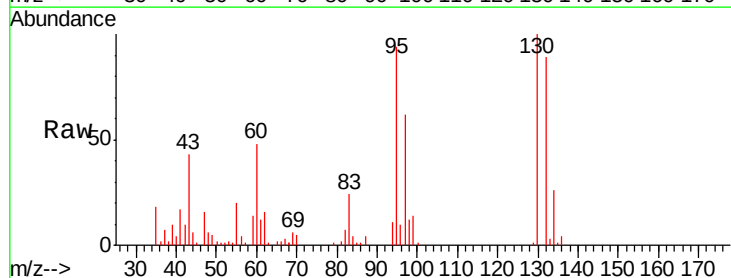
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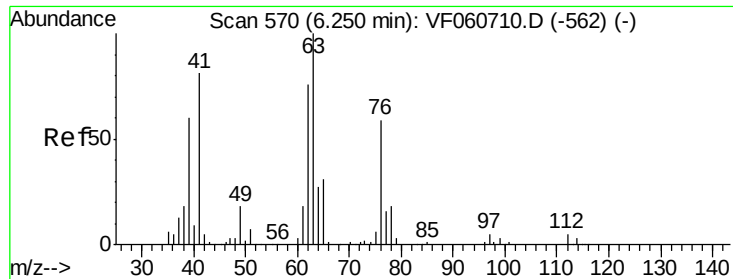


#44

Trichloroethene
 Concen: 23.75 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	212.6





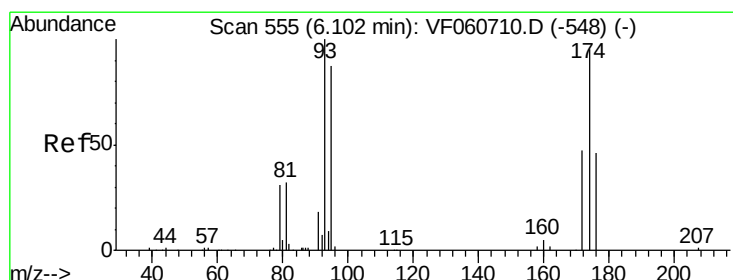
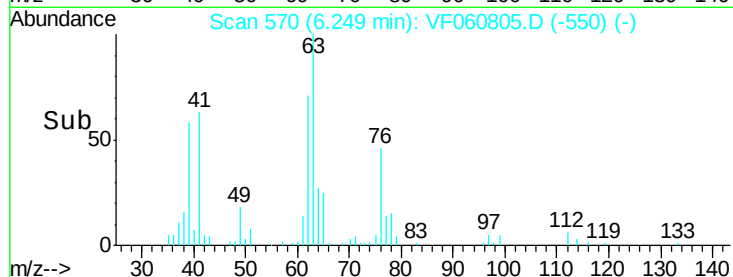
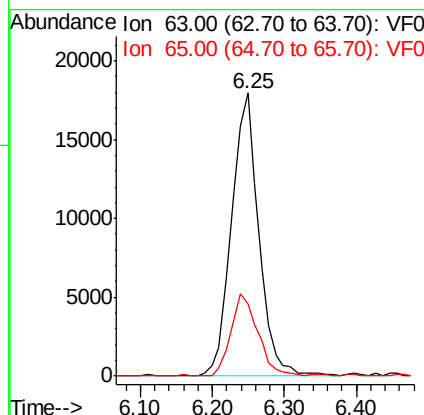
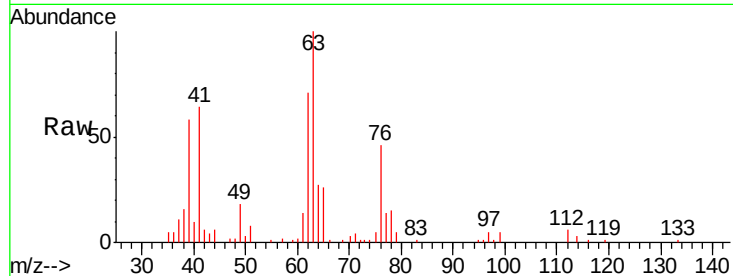
#45
 1,2-Dichloropropane
 Concen: 24.08 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion: 63 Resp: 47469
 Ion Ratio Lower Upper
 63 100
 65 25.6 24.6 36.8

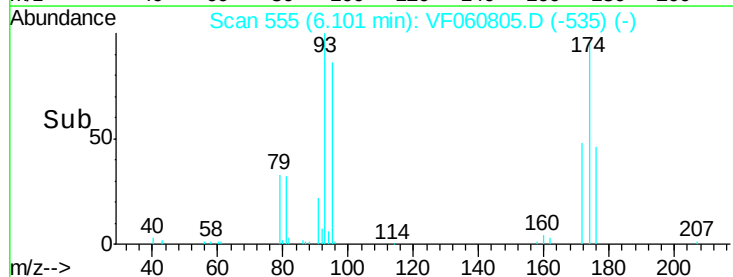
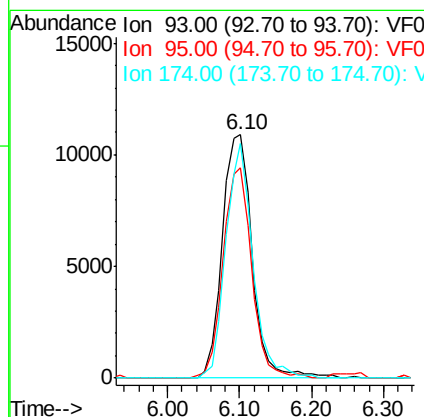
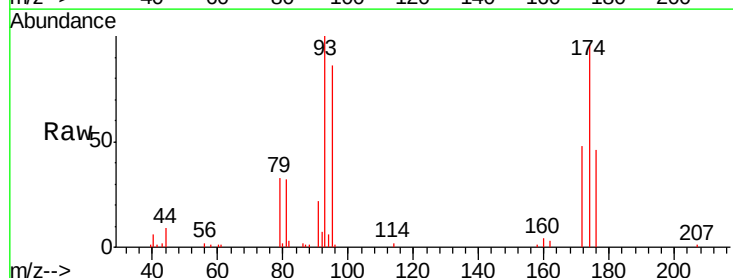
Manual Integrations
 APPROVED

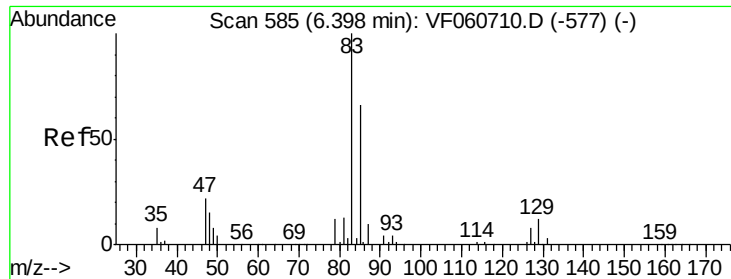
apatel
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#46
 Dibromomethane
 Concen: 24.04 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion: 93 Resp: 31286
 Ion Ratio Lower Upper
 93 100
 95 86.4 69.5 104.3
 174 96.3 76.2 114.2





#47

Bromodichloromethane

Concen: 23.79 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

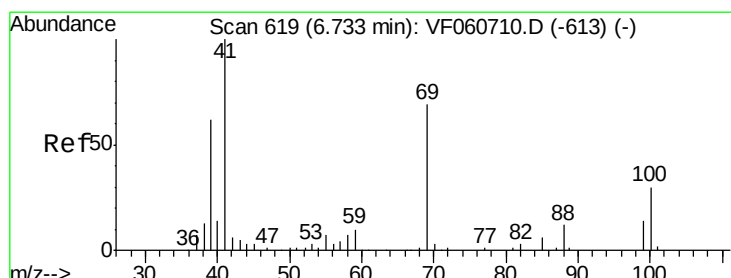
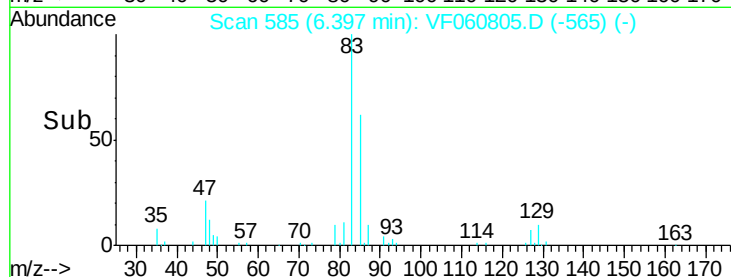
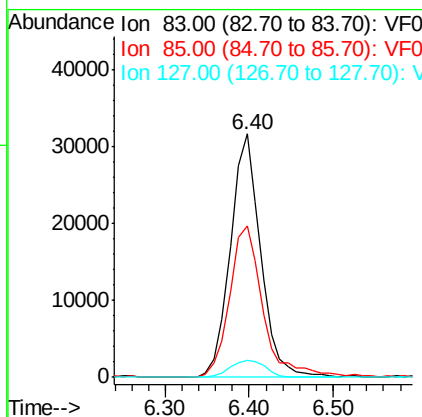
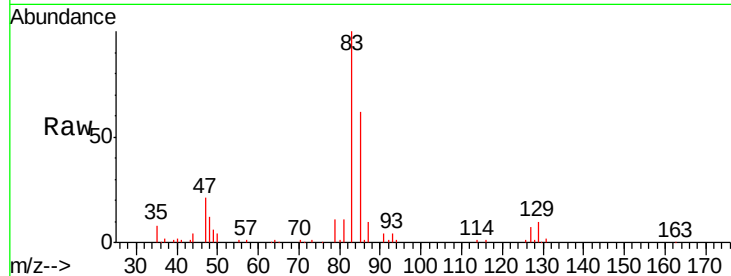
ClientSampleId :

VF1120SBD01

Tgt Ion:	83	Resp:	79053
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.4	78.6
127	7.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 24.51 ug/l

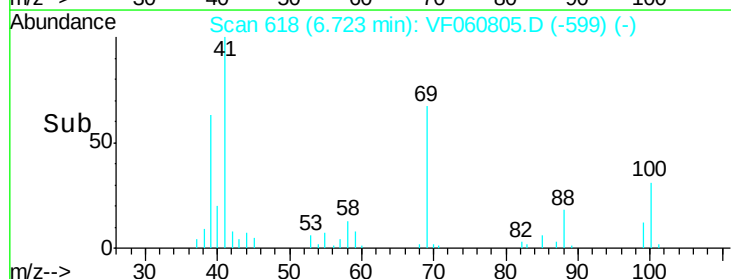
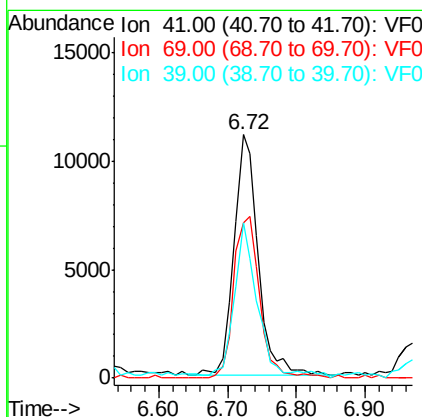
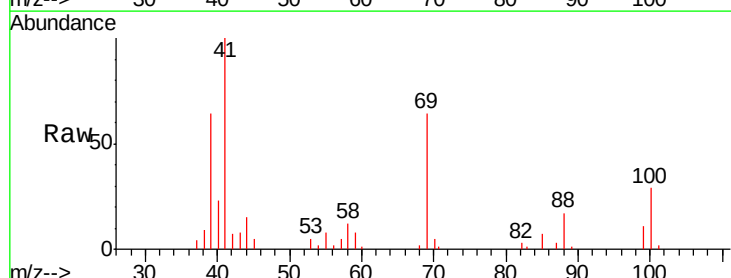
RT: 6.72 min Scan# 618

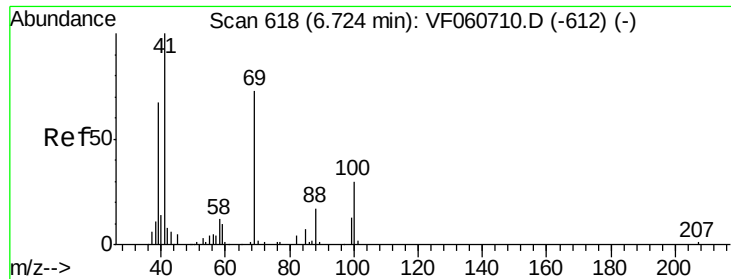
Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	41	Resp:	27167
Ion	Ratio	Lower	Upper
41	100		
69	63.6	54.9	82.3
39	64.0	49.6	74.4





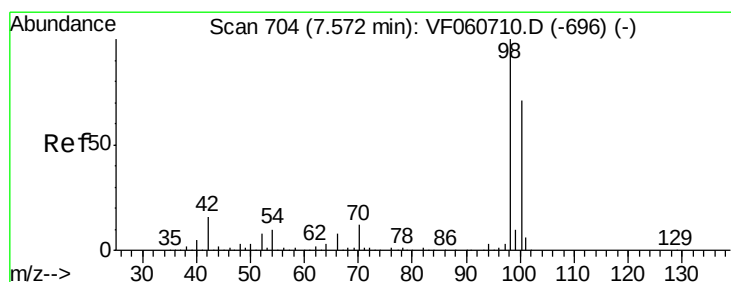
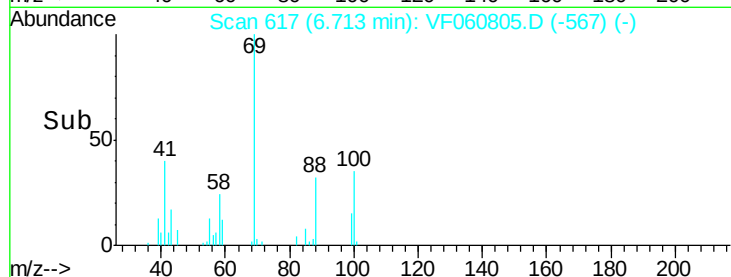
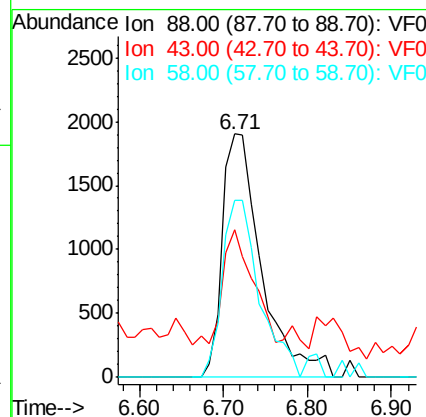
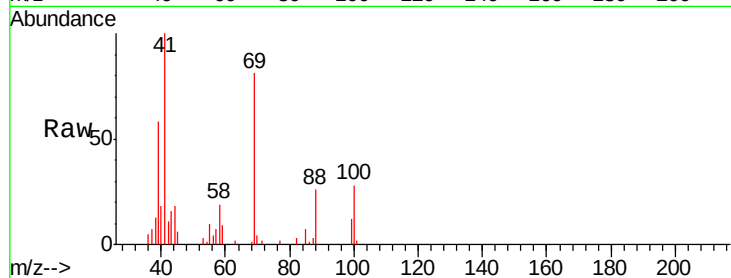
#49
1,4-Dioxane
Concen: 595.68 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	60.6	44.6	66.8
58	72.6	54.5	81.7

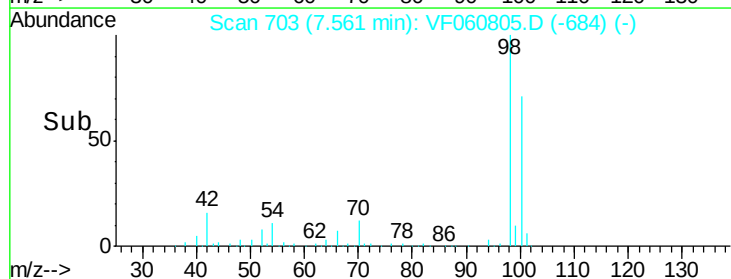
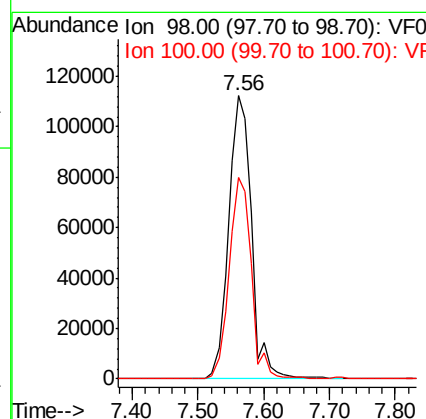
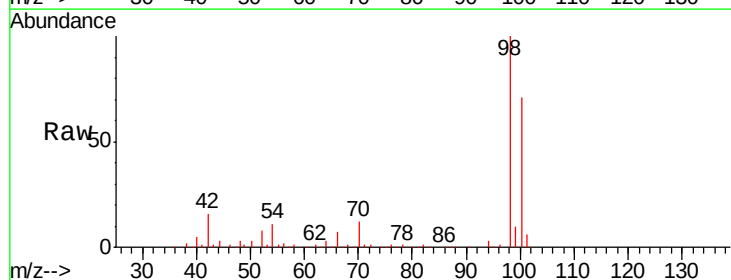
Manual Integrations
APPROVED

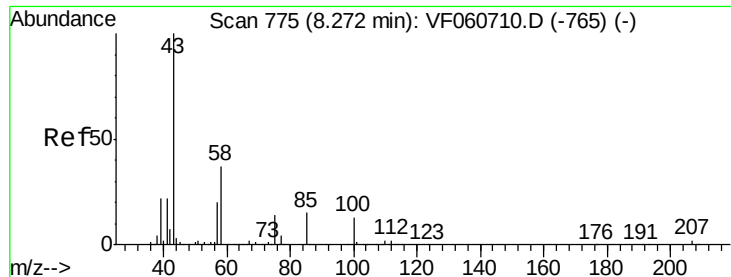
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#50
Toluene-d8
Concen: 48.11 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.4	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 128.90 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 43 Resp: 156168

Ion Ratio Lower Upper

43 100

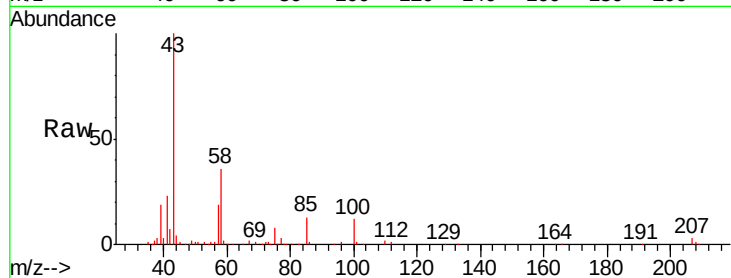
58 36.2 29.2 43.8

Manual Integrations

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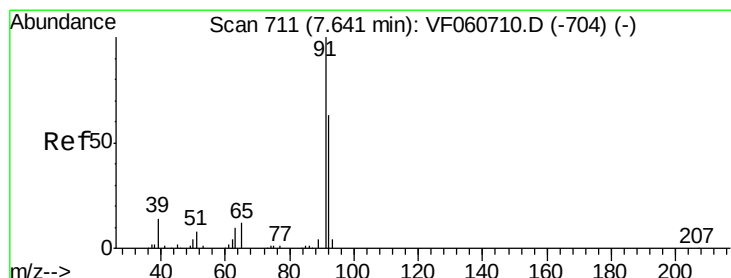
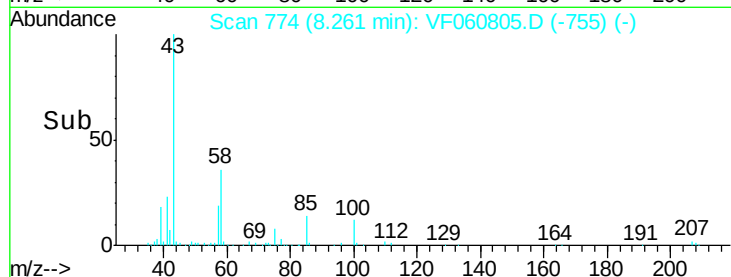
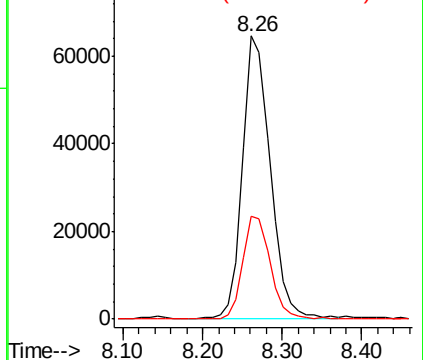
apatel

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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: 22.89 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060805.D

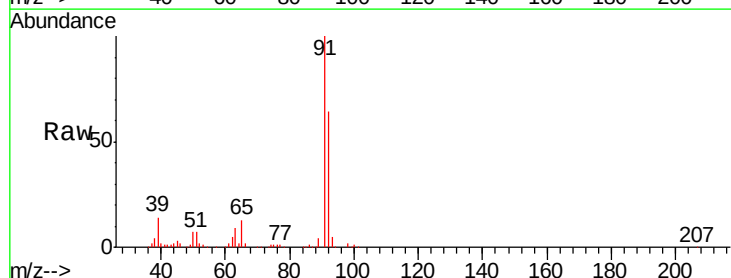
Acq: 20 Nov 2018 15:20

Tgt Ion: 92 Resp: 116178

Ion Ratio Lower Upper

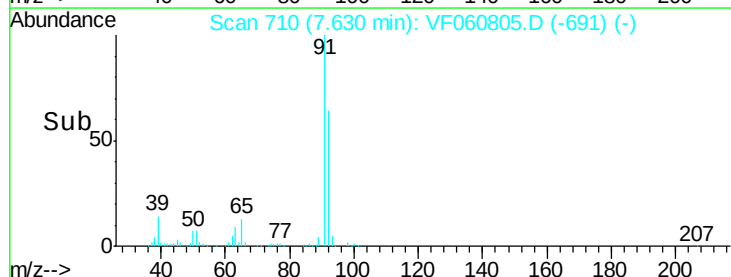
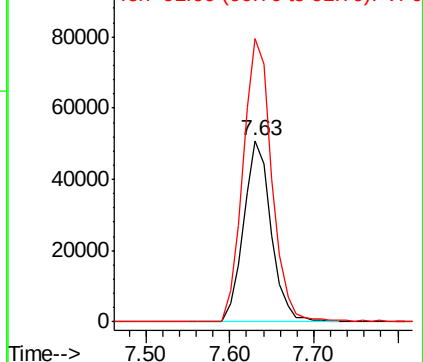
92 100

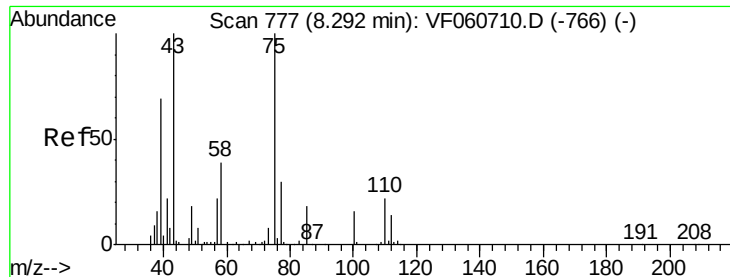
91 156.3 126.7 190.1



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: 22.07 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 75 Resp: 58727

Ion Ratio Lower Upper

75 100

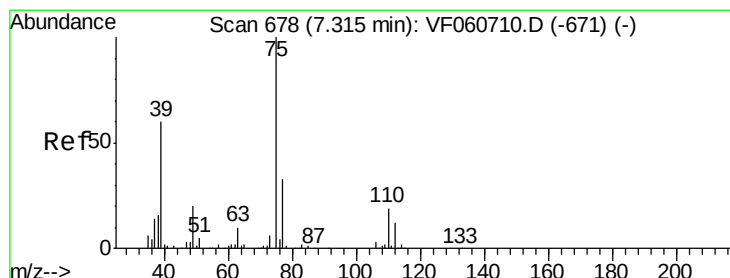
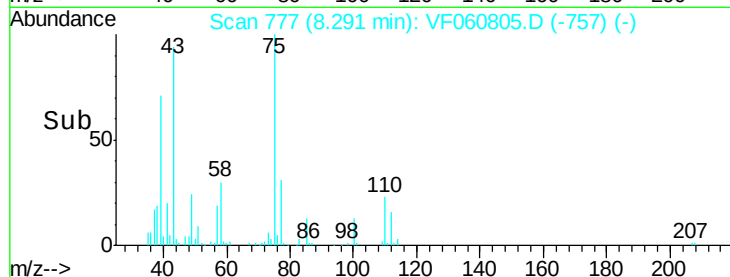
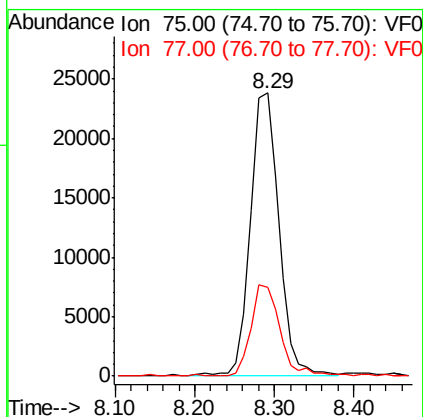
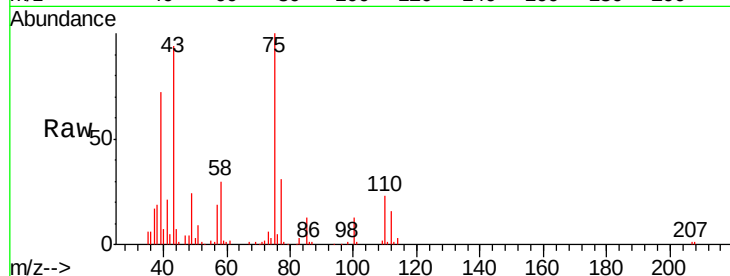
77 31.3 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.92 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

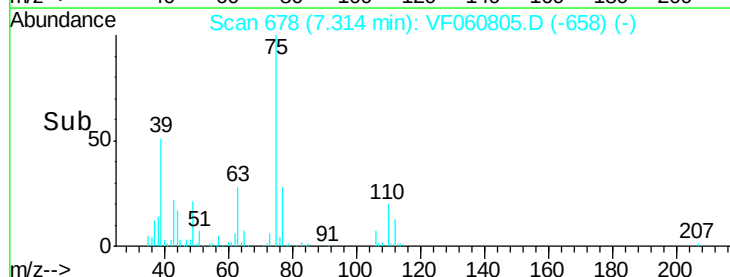
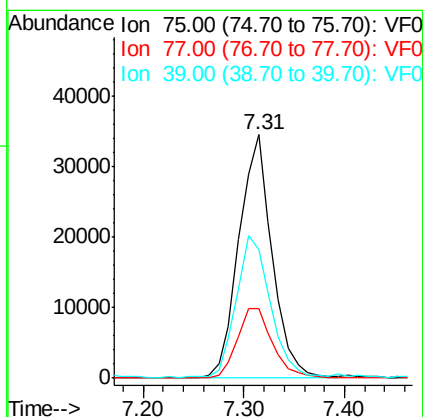
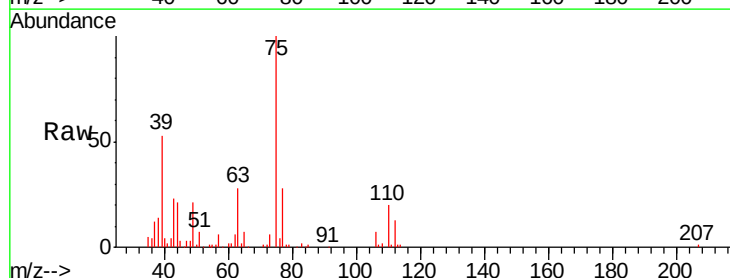
Tgt Ion: 75 Resp: 79236

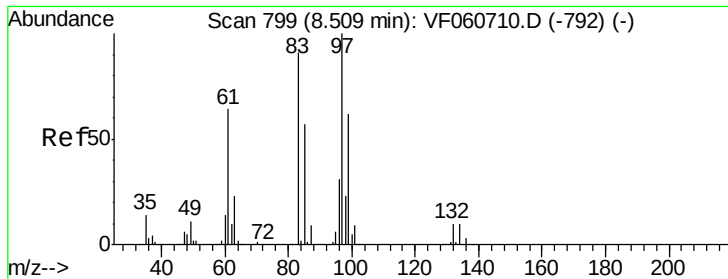
Ion Ratio Lower Upper

75 100

77 28.5 26.5 39.7

39 52.8 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 22.43 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

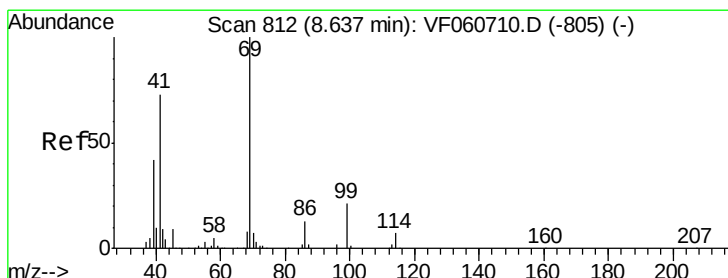
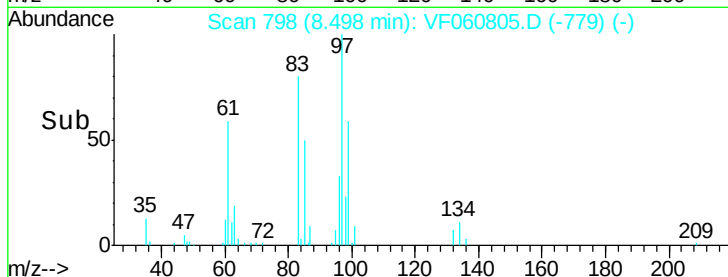
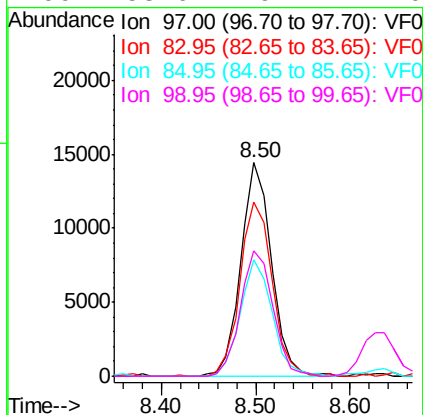
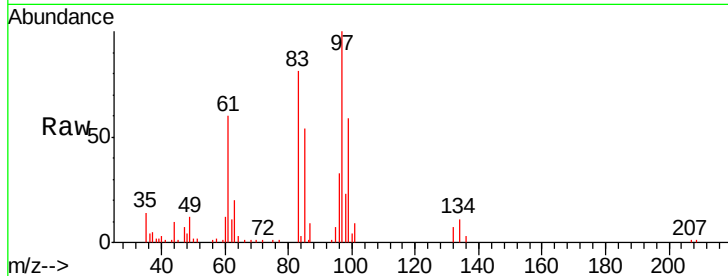
ClientSampleId :

VF1120SBD01

Tgt Ion:	97	Resp:	32531
Ion	Ratio	Lower	Upper
97	100		
83	81.5	72.8	109.2
85	54.3	45.8	68.6
99	58.6	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 23.64 ug/l

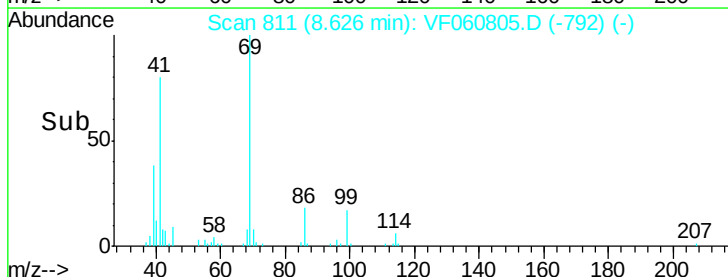
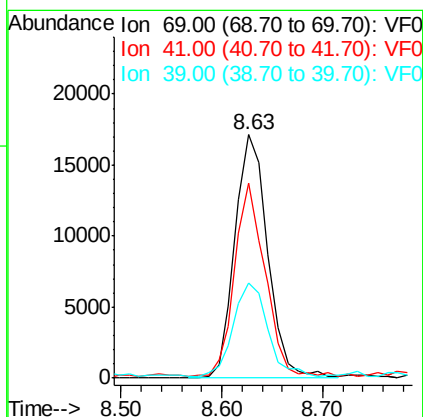
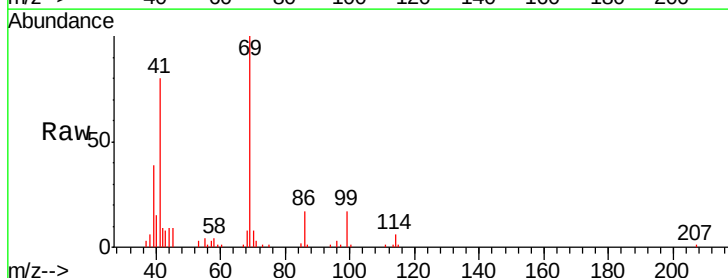
RT: 8.63 min Scan# 811

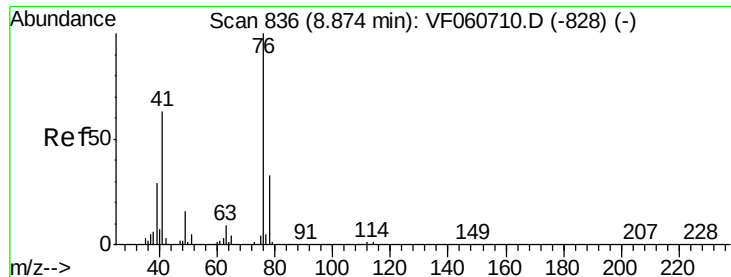
Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	69	Resp:	38934
Ion	Ratio	Lower	Upper
69	100		
41	80.3	59.0	88.6
39	39.1	34.0	51.0





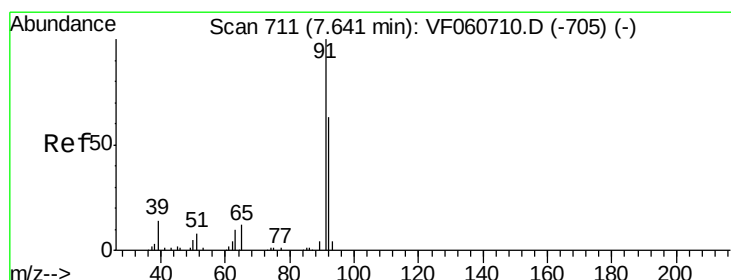
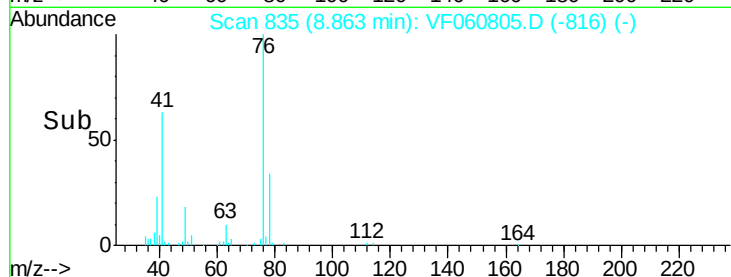
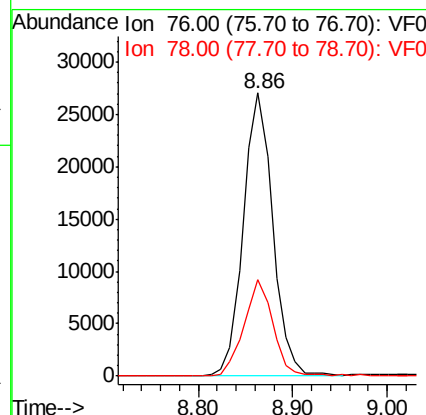
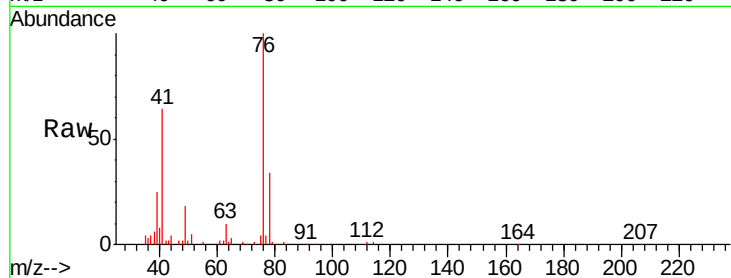
#57
 1,3-Dichloropropane
 Concen: 23.36 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion: 76 Resp: 58718
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.6 39.8

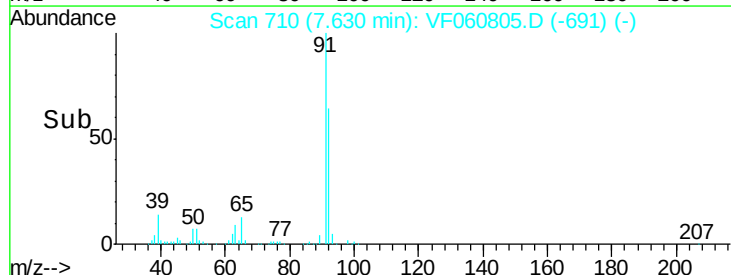
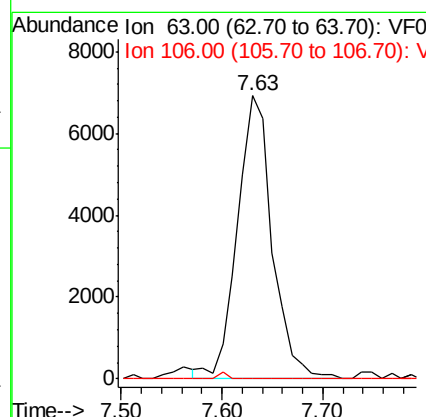
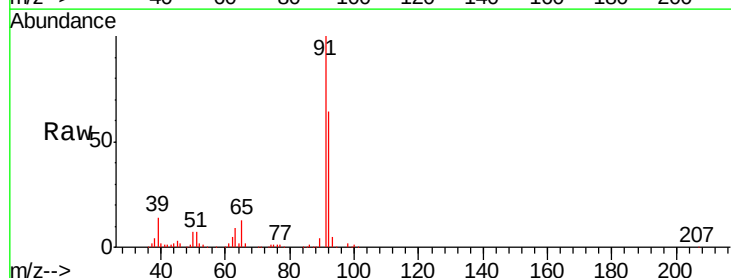
Manual Integrations
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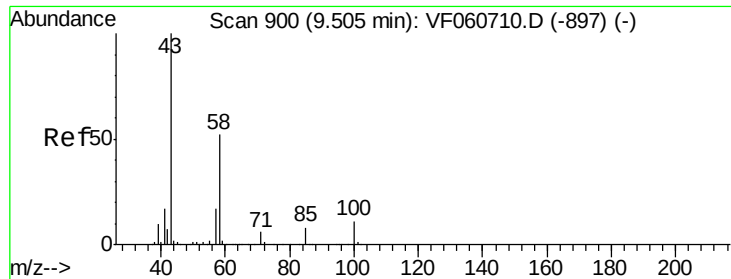
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.06 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion: 63 Resp: 16711
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





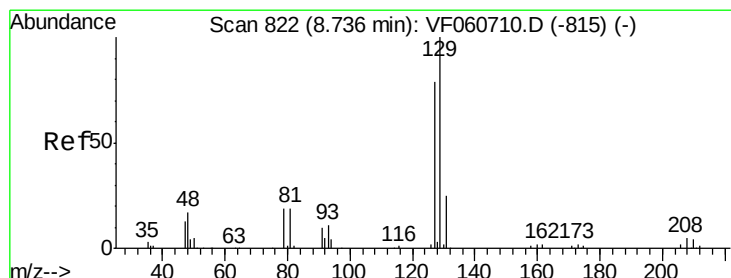
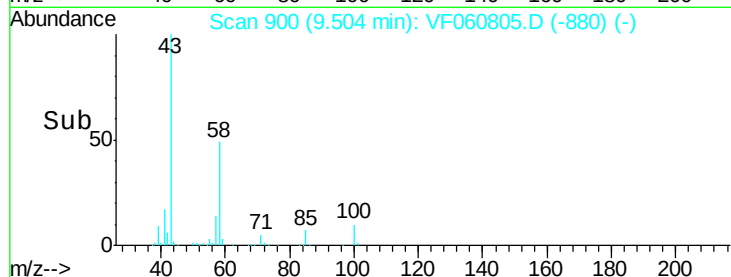
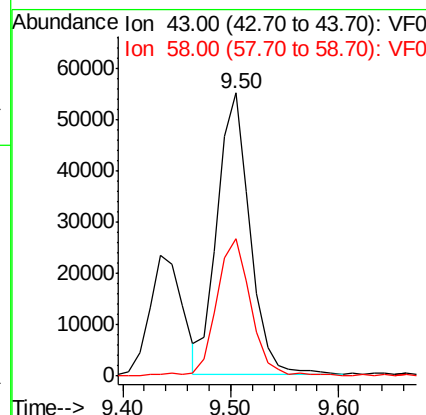
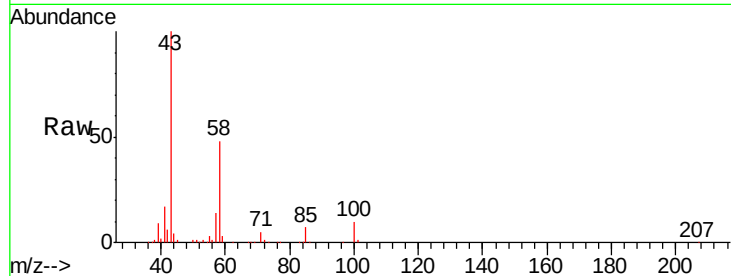
#59
2-Hexanone
Concen: 135.16 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion: 43 Resp: 115079
Ion Ratio Lower Upper
43 100
58 48.4 24.9 74.7

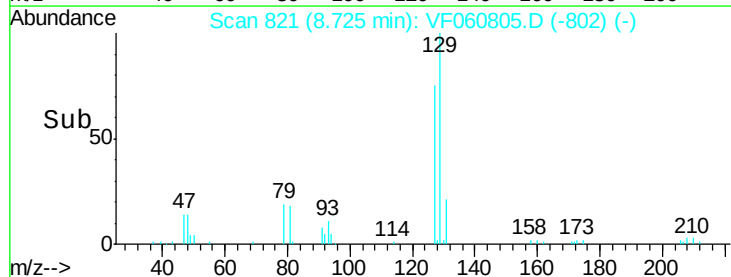
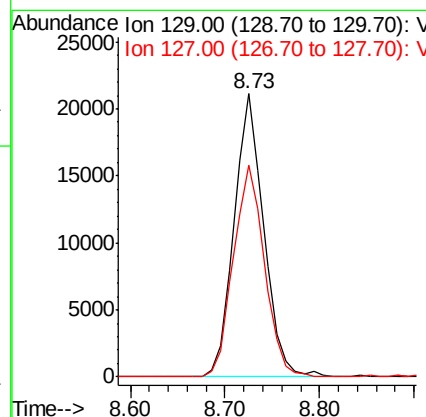
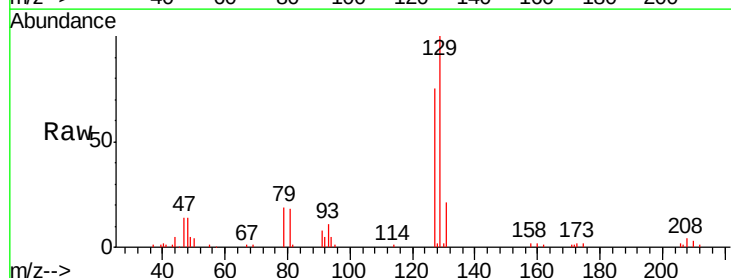
Manual Integrations
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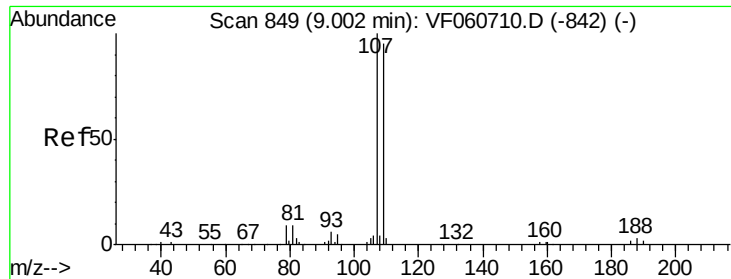
apatel
11/21/2018 2:01:45 PM



#60
Dibromochloromethane
Concen: 22.11 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 129 Resp: 45699
Ion Ratio Lower Upper
129 100
127 74.9 39.7 119.1





#61

1,2-Dibromoethane

Concen: 23.11 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 107 Resp: 35244

Ion Ratio Lower Upper

107 100

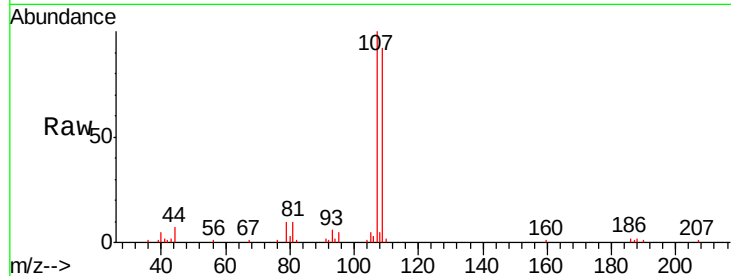
109 91.6 75.9 113.9

Manual Integrations

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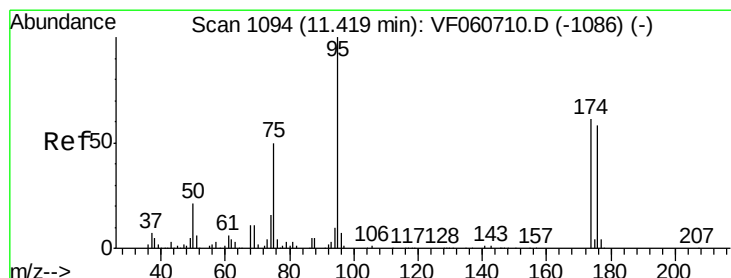
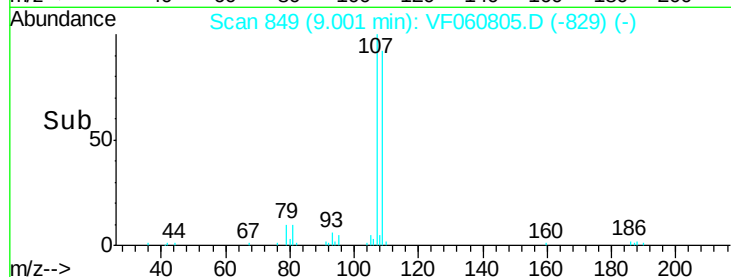
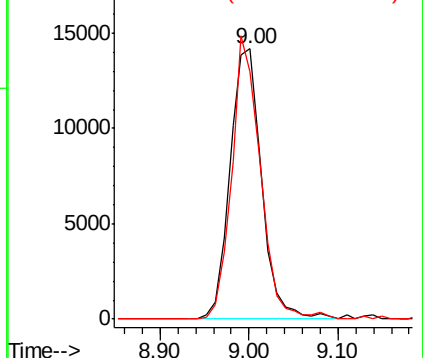
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.73 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

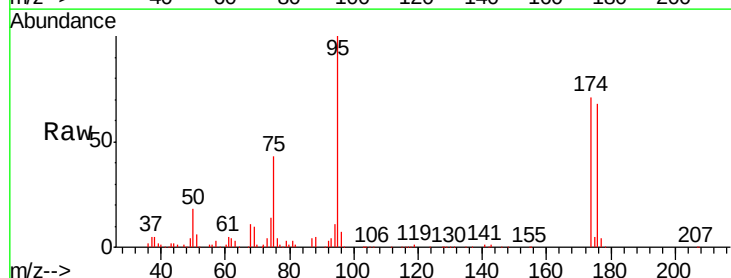
Tgt Ion: 95 Resp: 139248

Ion Ratio Lower Upper

95 100

174 70.6 0.0 121.6

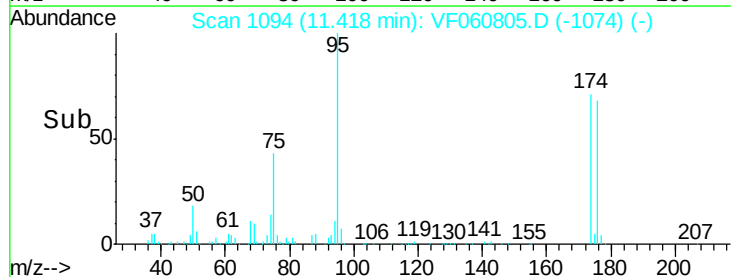
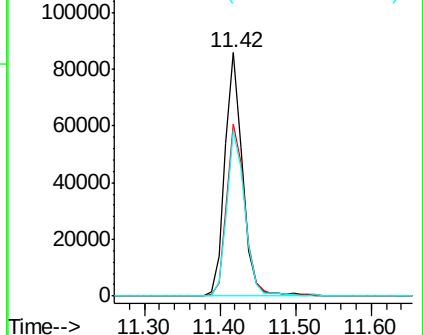
176 68.0 0.0 115.2

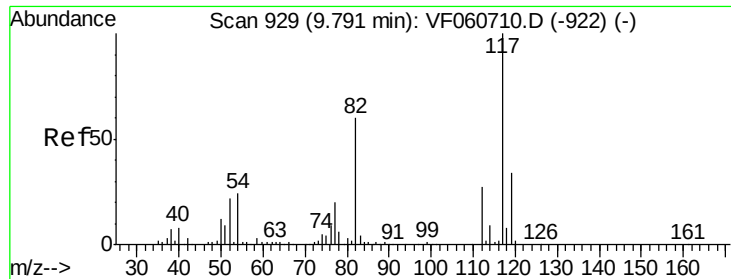


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





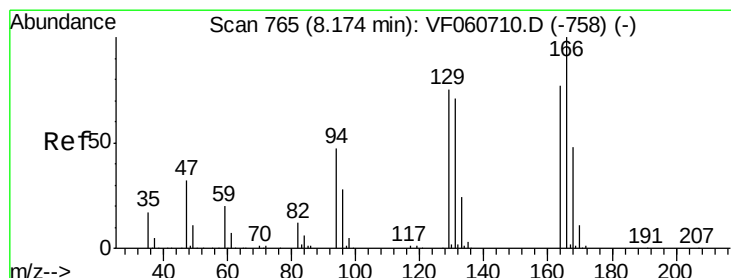
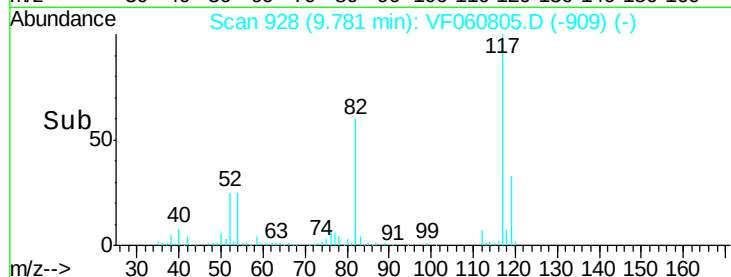
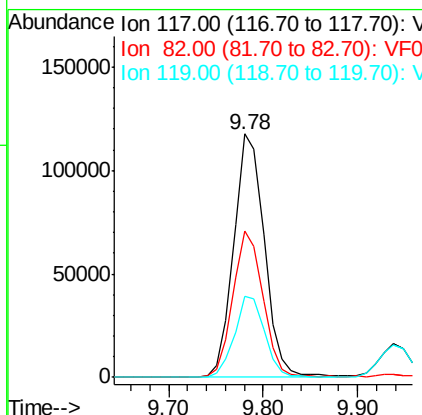
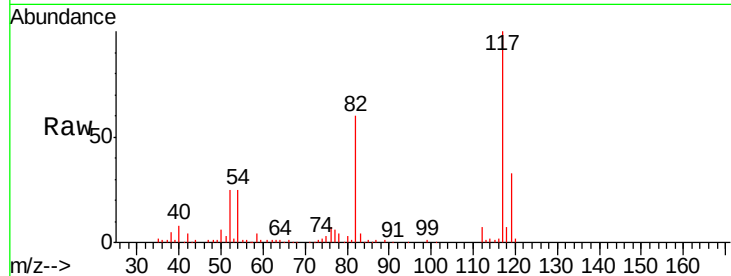
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	264476		
82	60.3	47.9	71.9	
119	33.1	26.8	40.2	

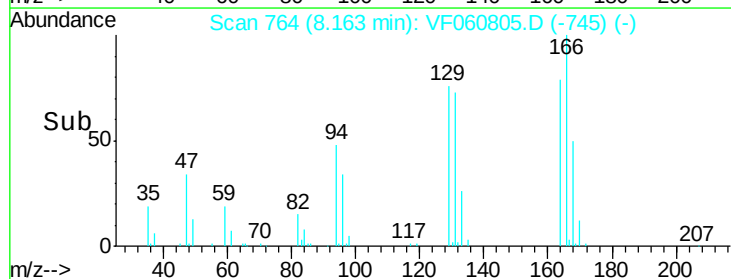
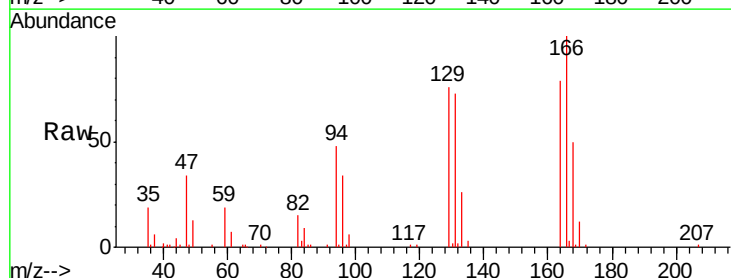
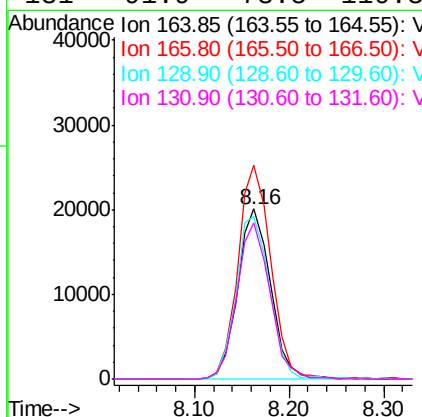
Manual Integrations
APPROVED

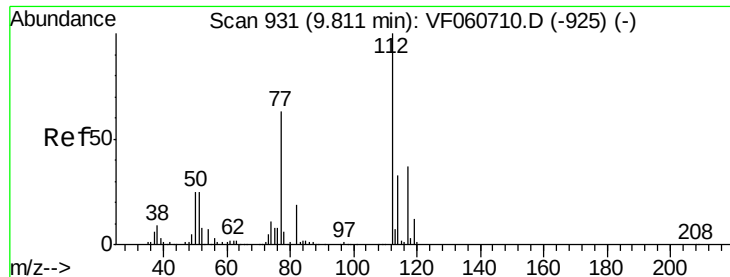
apatel
11/21/2018 2:01:45 PM



#64
Tetrachloroethene
Concen: 23.06 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48296		
166	125.8	103.5	155.3	
129	95.8	77.4	116.2	
131	91.9	73.5	110.3	





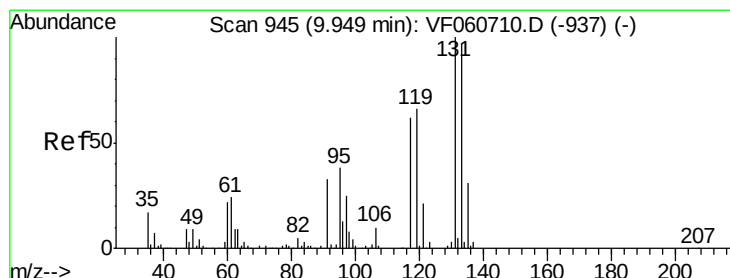
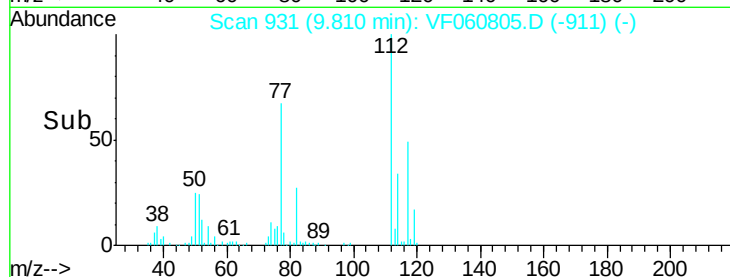
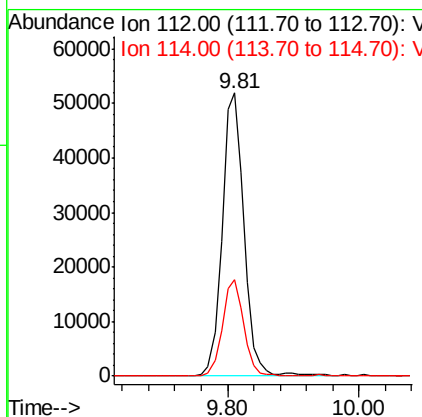
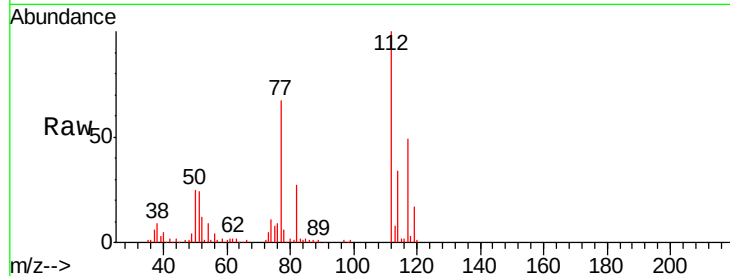
#65
Chlorobenzene
Concen: 22.44 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion:112 Resp: 119768
Ion Ratio Lower Upper
112 100
114 34.0 26.1 39.1

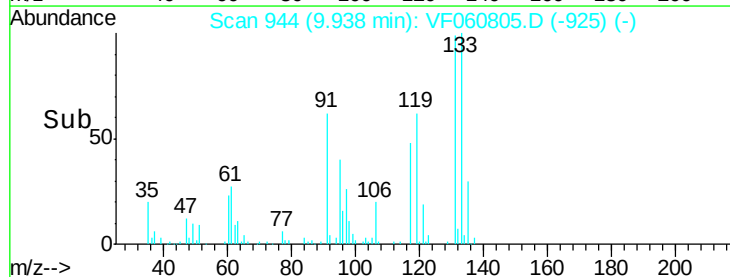
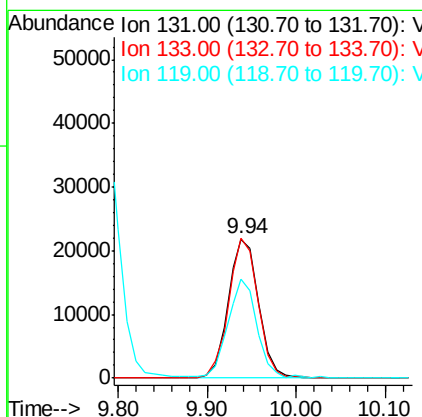
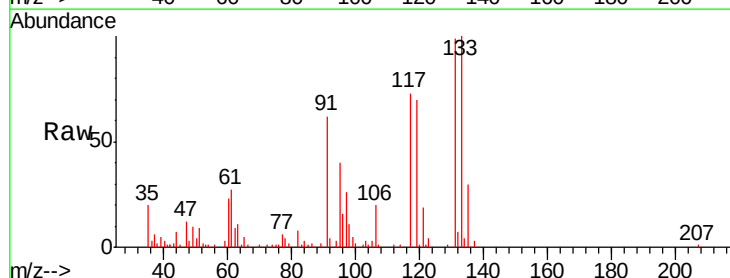
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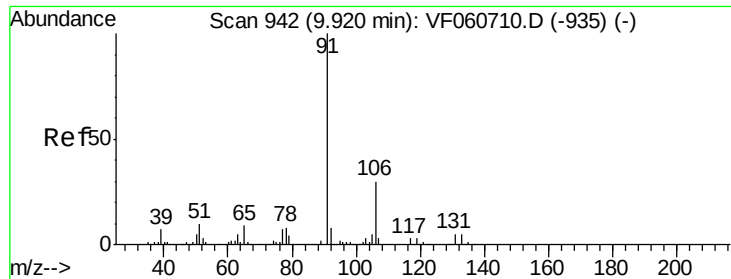
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.30 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion:131 Resp: 51908
Ion Ratio Lower Upper
131 100
133 100.9 48.3 144.8
119 71.1 33.2 99.6





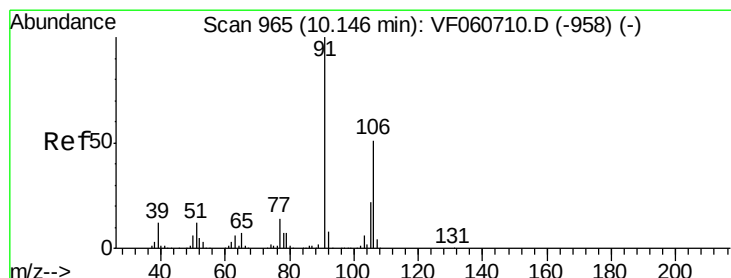
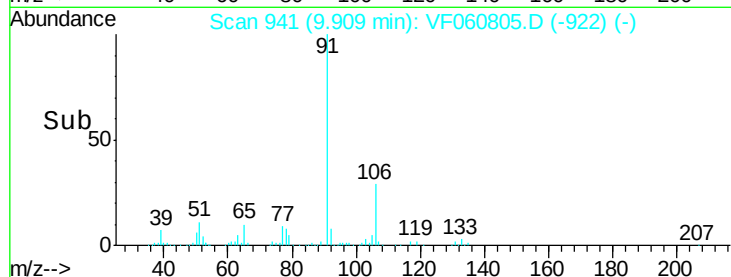
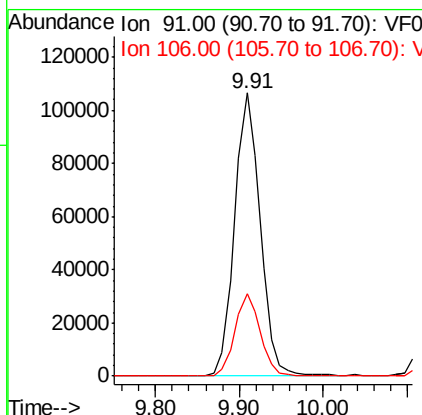
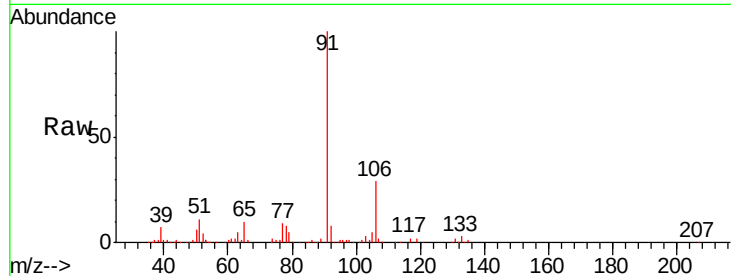
#67
Ethyl Benzene
Concen: 22.49 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion: 91 Resp: 226247
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9

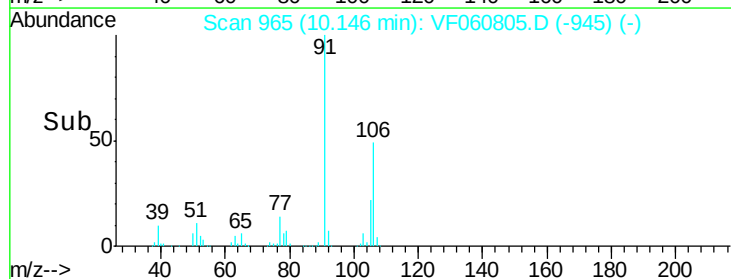
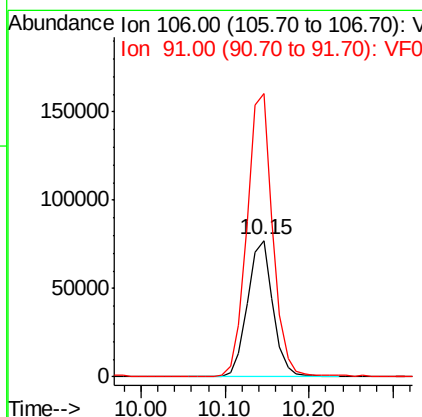
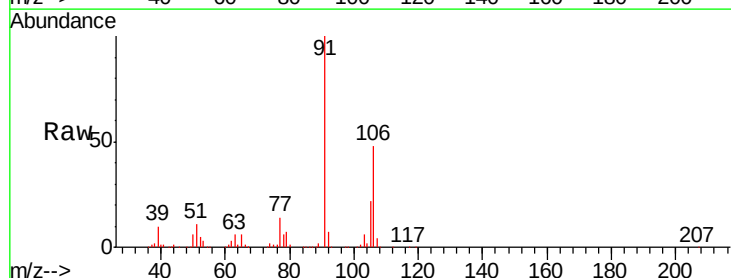
Manual Integrations
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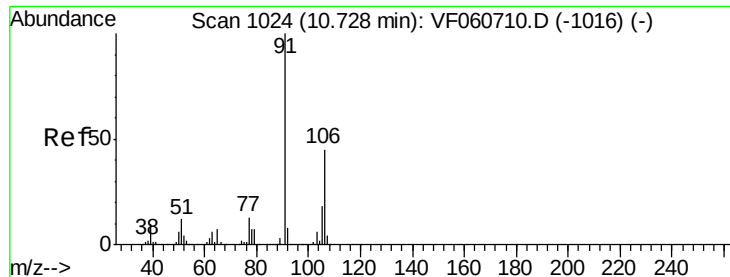
apatel
11/21/2018 2:01:45 PM



#68
m/p-Xylenes
Concen: 45.83 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 106 Resp: 164759
Ion Ratio Lower Upper
106 100
91 207.0 158.2 237.2





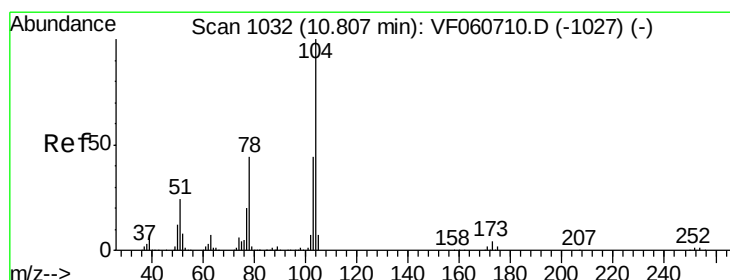
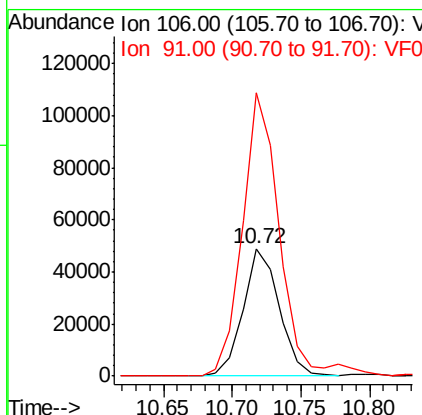
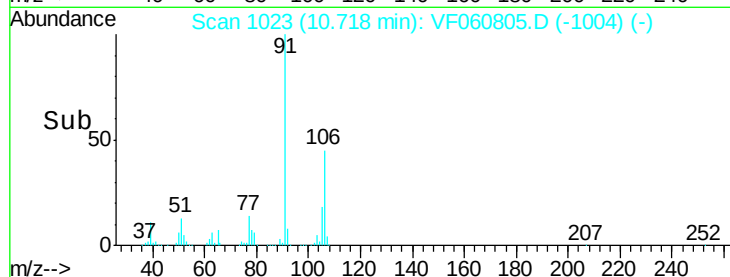
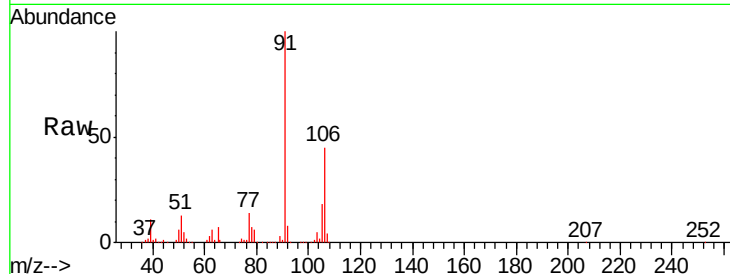
#69
o-Xylene
Concen: 22.22 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion:106 Resp: 89792
Ion Ratio Lower Upper
106 100
91 221.6 110.3 330.9

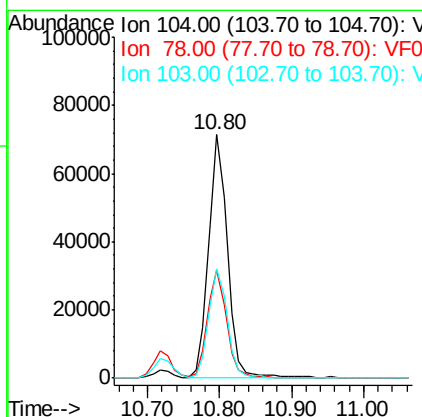
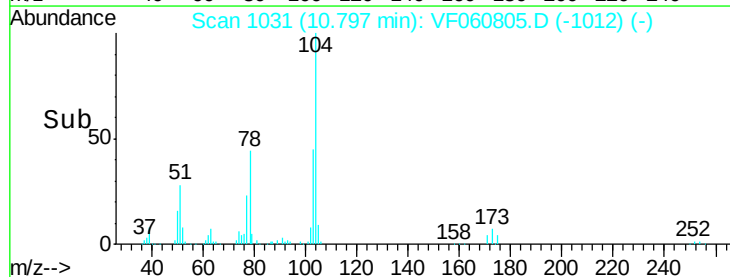
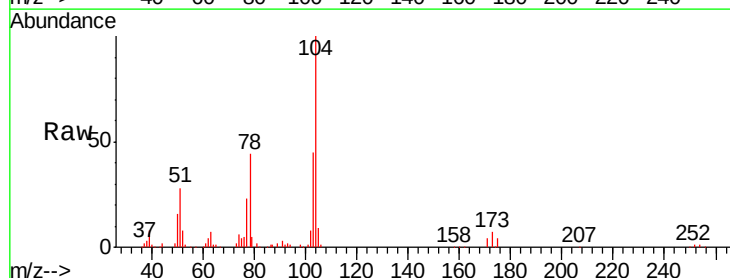
Manual Integrations
APPROVED

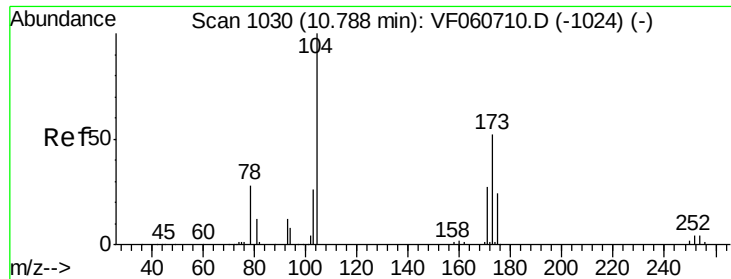
apatel
11/21/2018 2:01:45 PM



#70
Styrene
Concen: 23.51 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion:104 Resp: 128958
Ion Ratio Lower Upper
104 100
78 44.2 35.4 53.2
103 44.8 35.8 53.6





#71

Bromoform

Concen: 22.95 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

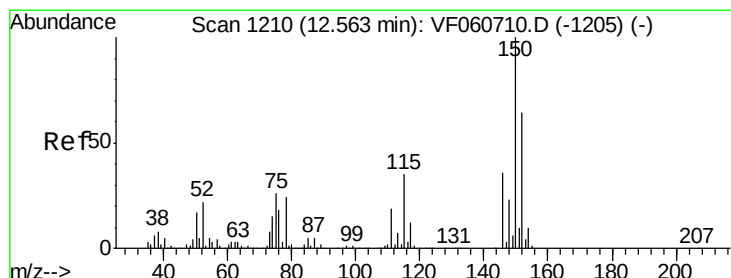
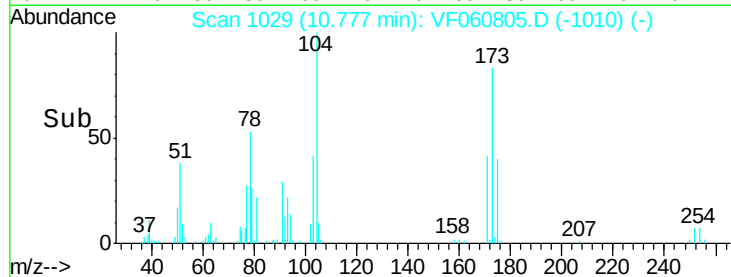
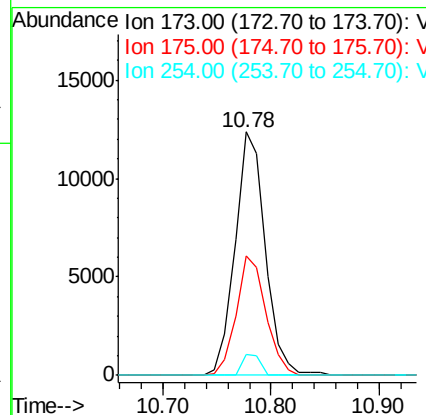
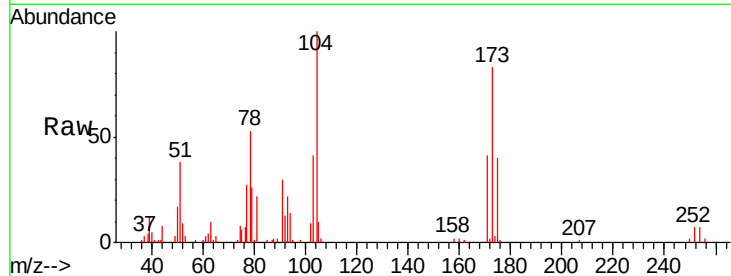
ClientSampleId :

VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.4	70.0
254	8.5	5.8	8.8

Manual Integrations
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apatel
11/21/2018 2:01:45 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

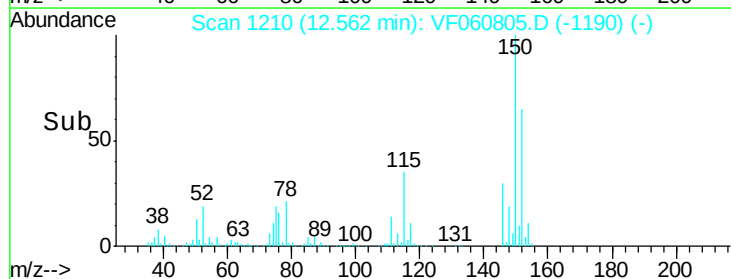
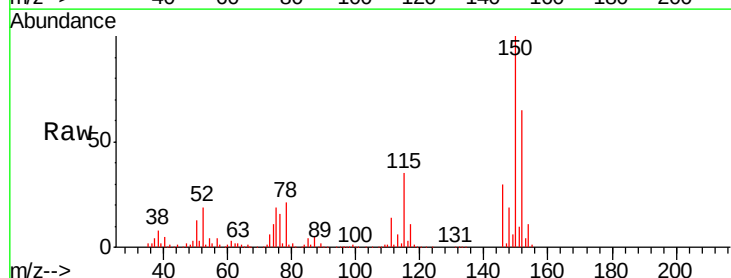
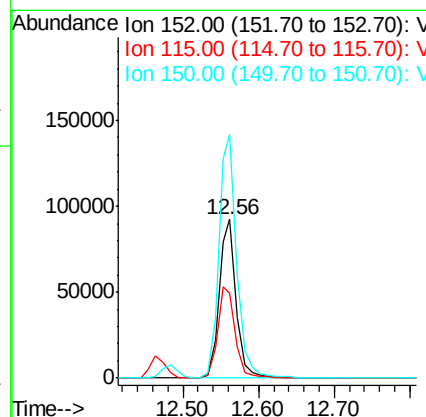
RT: 12.56 min Scan# 1210

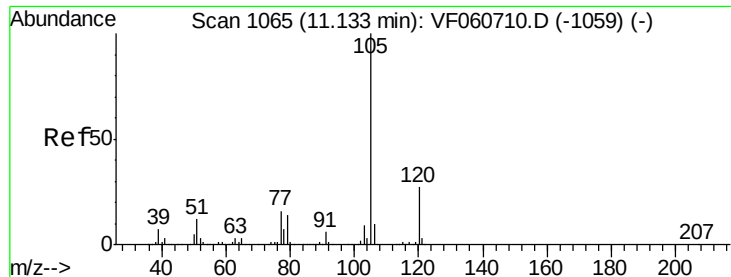
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.9	83.7
150	153.2	0.0	316.4





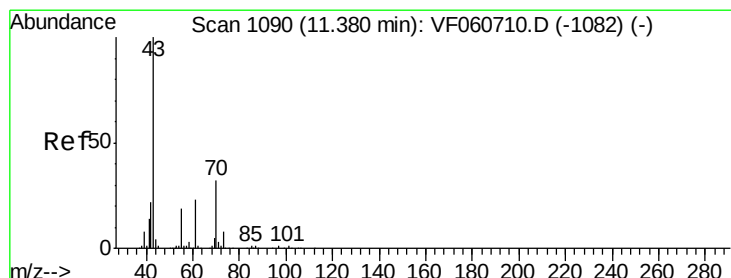
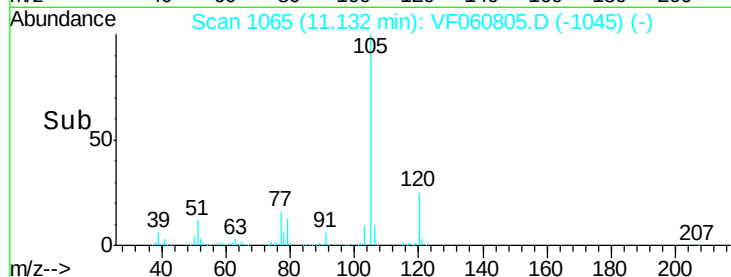
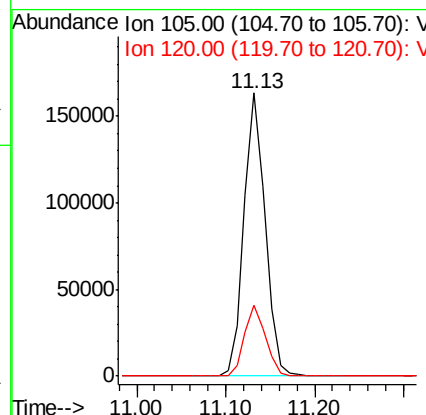
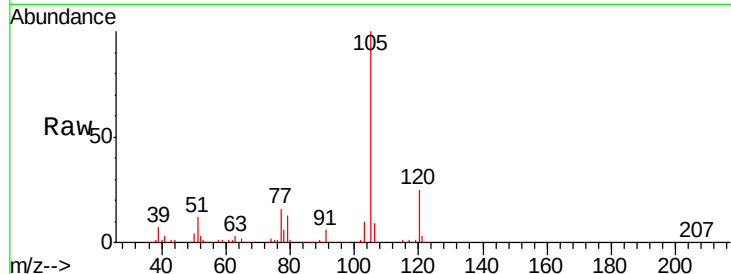
#73
Isopropylbenzene
Concen: 23.26 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	272655		
120	25.2	13.4	40.1	

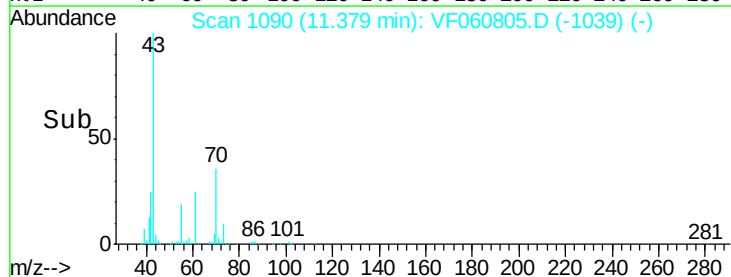
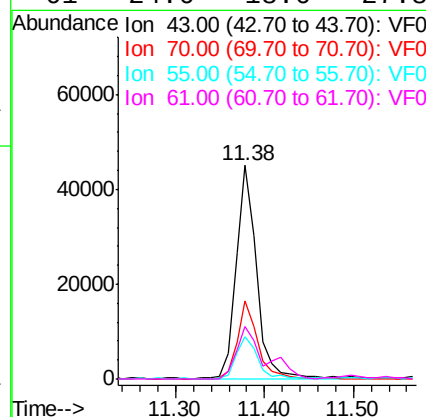
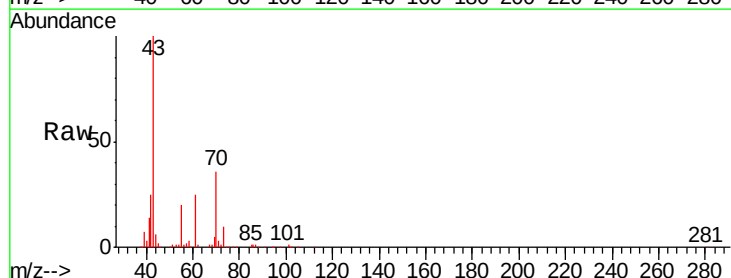
Manual Integrations
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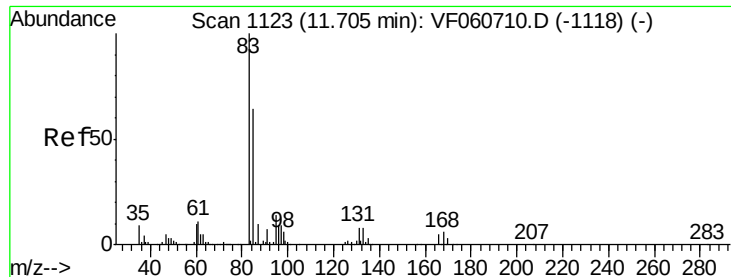
apatel
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#74
N-ethyl acetate
Concen: 27.34 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	72951		
70	36.4	25.5	38.3	
55	19.7	14.9	22.3	
61	24.6	18.6	27.8	





#75

1,1,2,2-Tetrachloroethane

Concen: 24.17 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

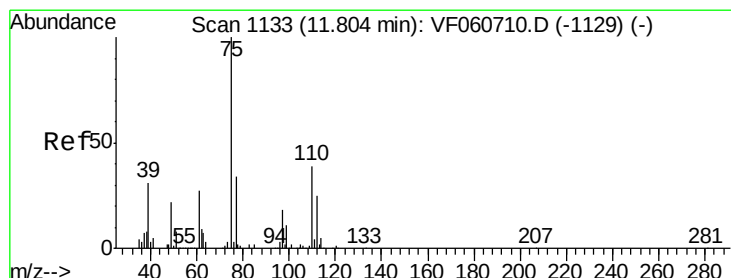
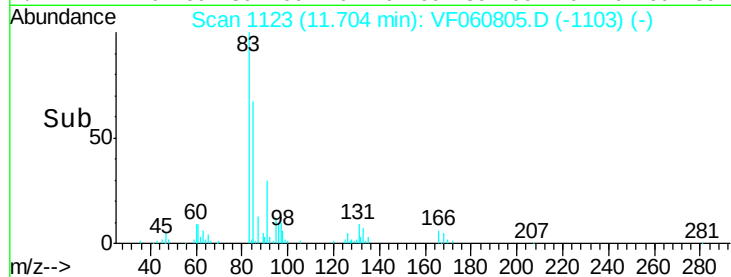
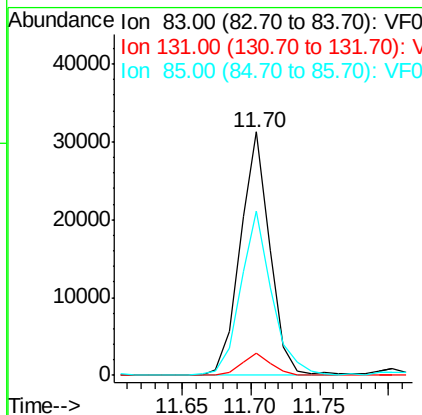
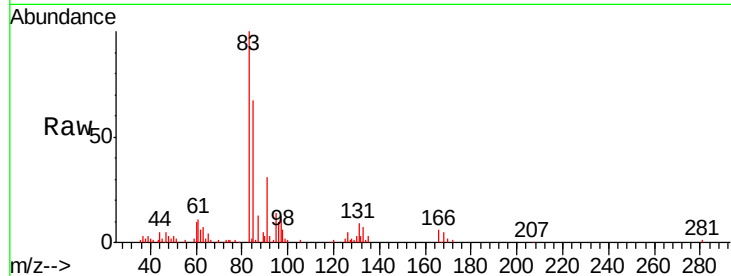
ClientSampleId :

VF1120SBD01

Tgt Ion:	83	Resp:	46837
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.2	12.4
85	67.4	32.0	96.2

Manual Integrations
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11/21/2018 2:01:45 PM



#76

1,2,3-Trichloropropane

Concen: 22.19 ug/l

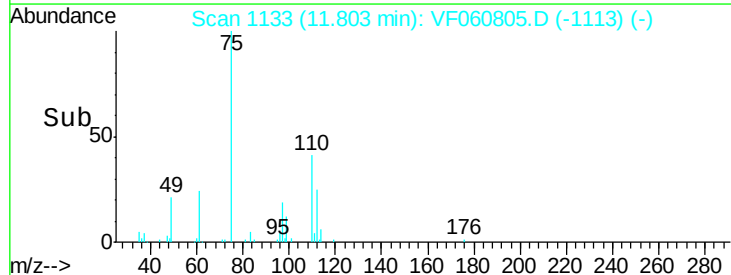
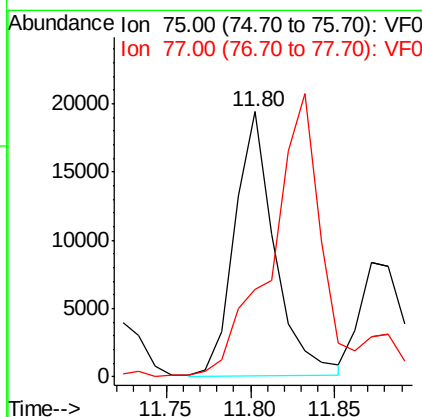
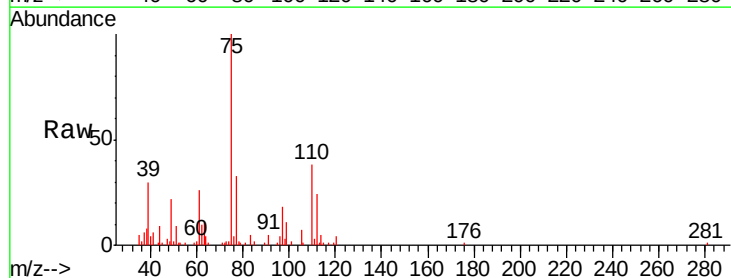
RT: 11.80 min Scan# 1133

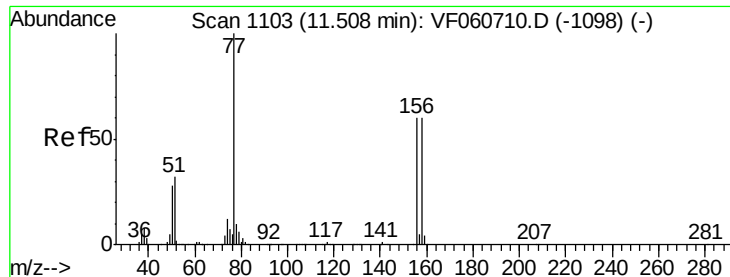
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	75	Resp:	31936
Ion Ratio	Lower	Upper	
75	100		
77	33.2	17.0	51.0





#77

Bromobenzene

Concen: 23.52 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

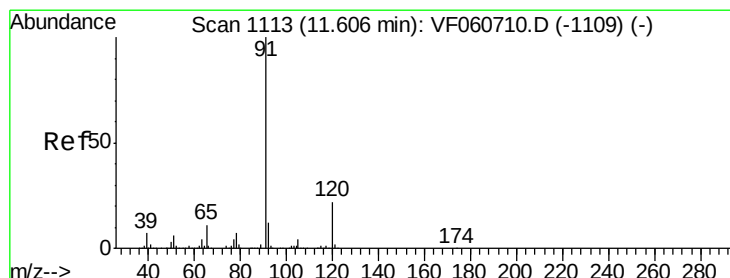
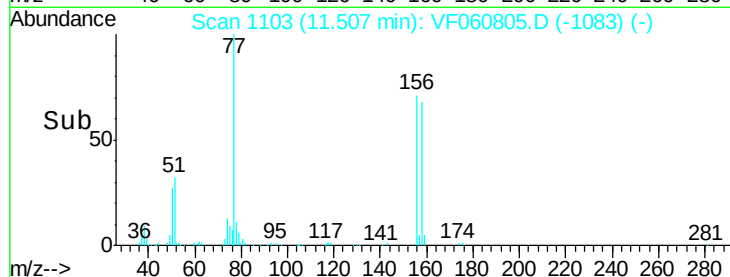
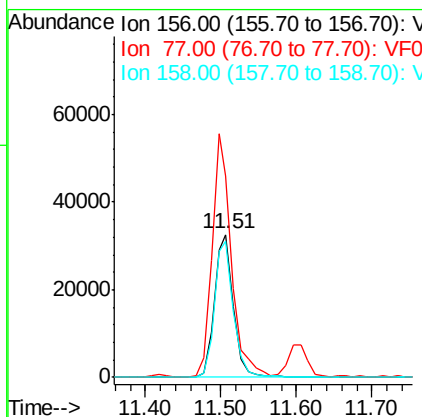
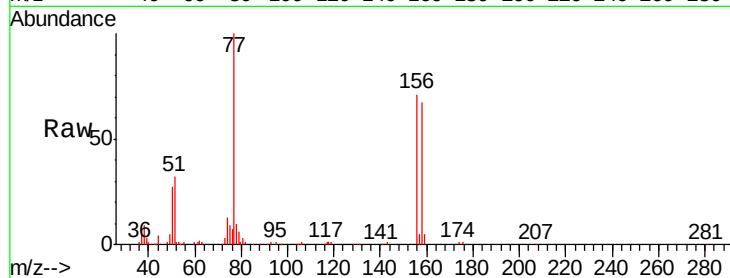
ClientSampleId :

VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	141.4	83.0	248.9
158	95.3	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 23.97 ug/l

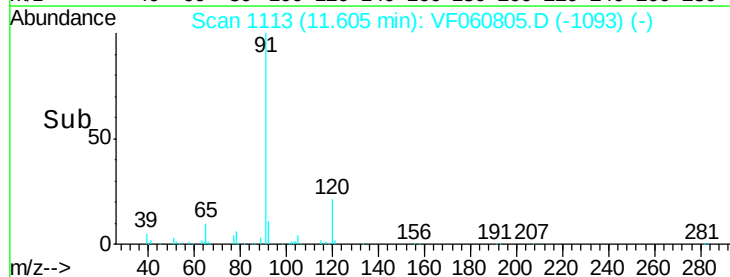
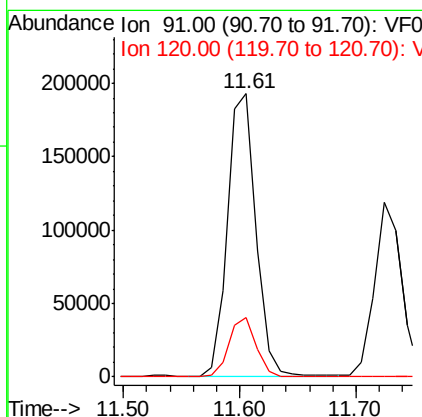
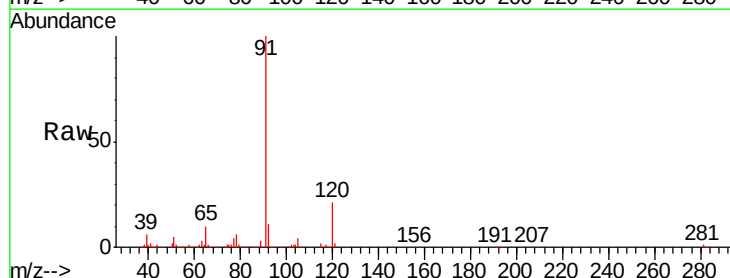
RT: 11.61 min Scan# 1113

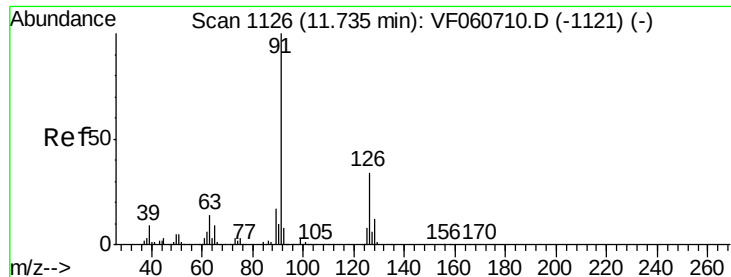
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 24.06 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 91 Resp: 191121

Ion Ratio Lower Upper

91 100

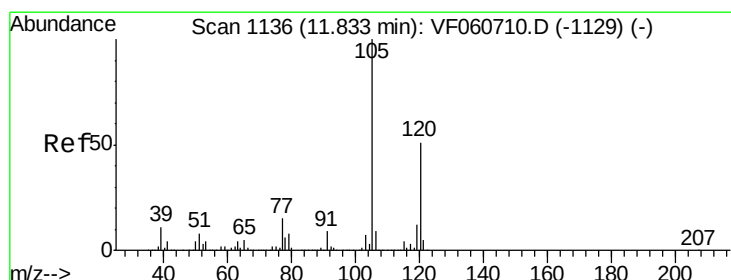
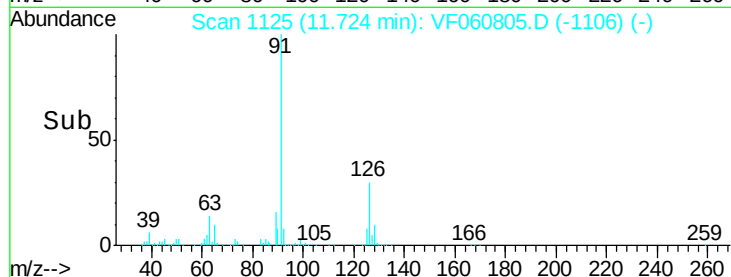
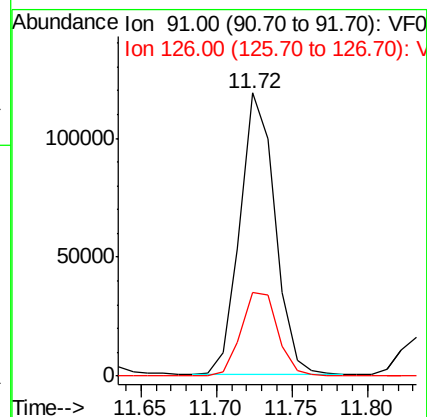
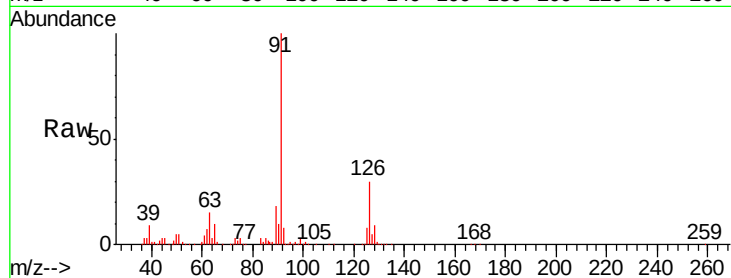
126 29.7 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 24.37 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060805.D

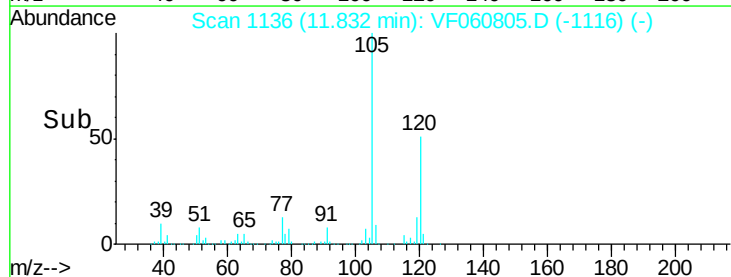
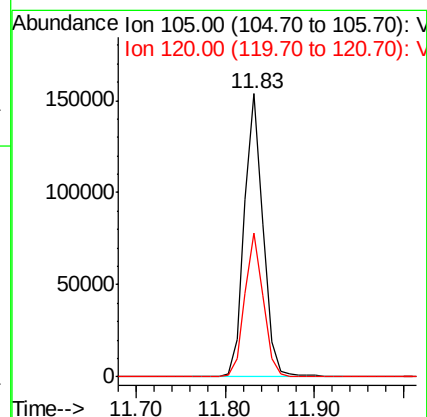
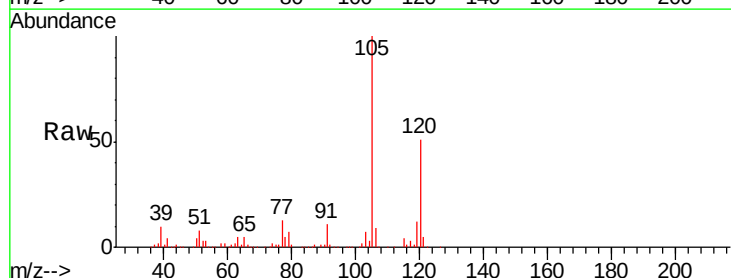
Acq: 20 Nov 2018 15:20

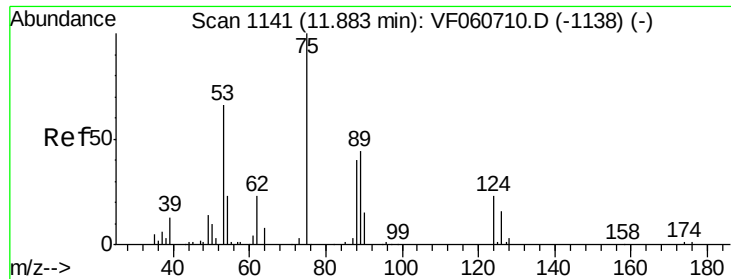
Tgt Ion: 105 Resp: 226774

Ion Ratio Lower Upper

105 100

120 51.0 25.6 76.8





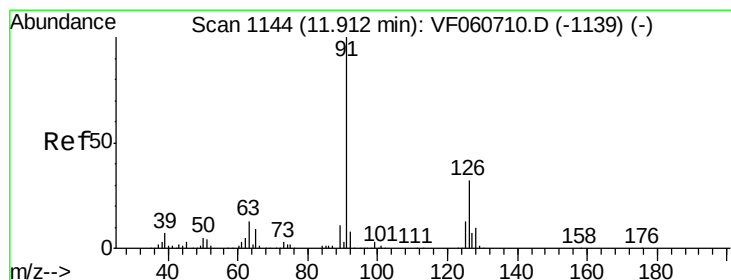
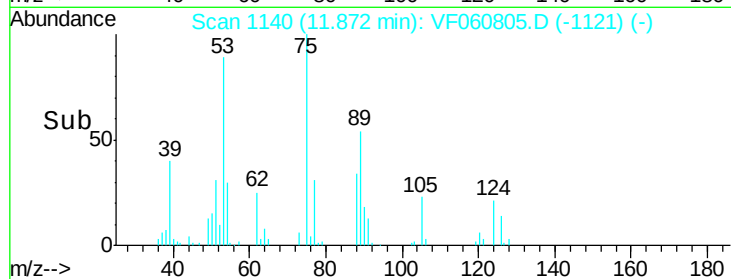
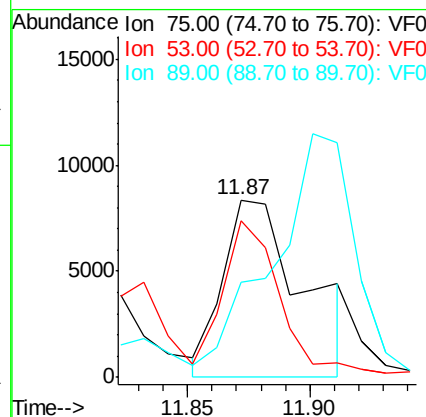
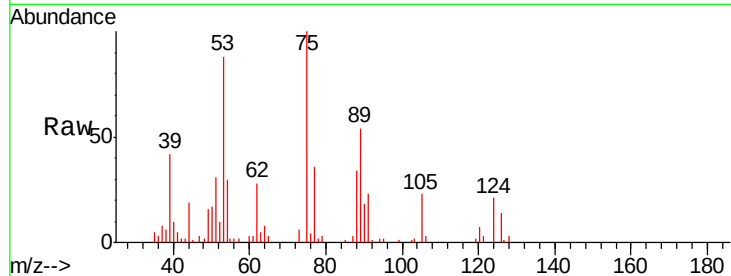
#81
trans-1,4-Dichloro-2-butene
Concen: 27.07 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.4	57.0	85.4#
89	53.8	37.8	56.8

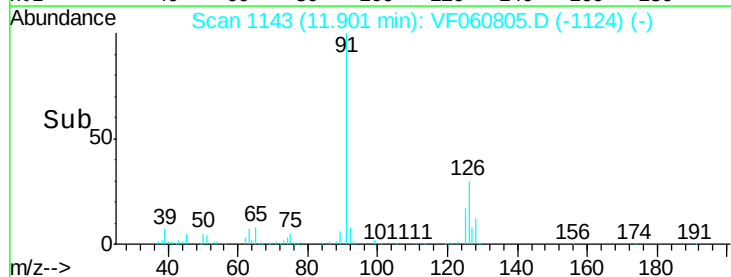
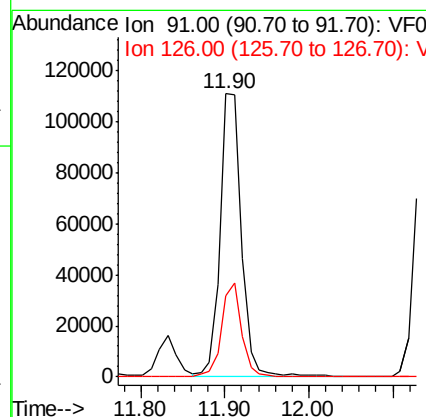
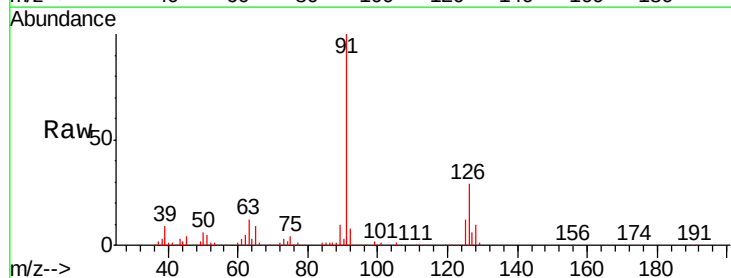
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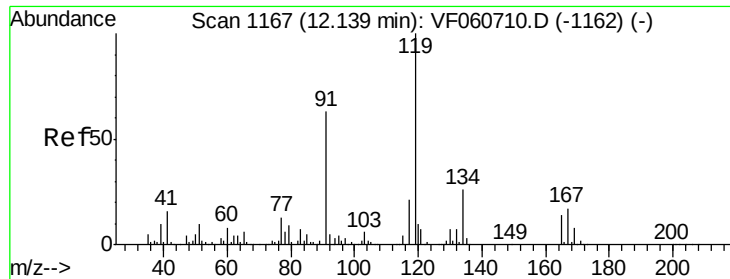
apatel
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#82
4-Chlorotoluene
Concen: 23.83 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	16.0	47.9





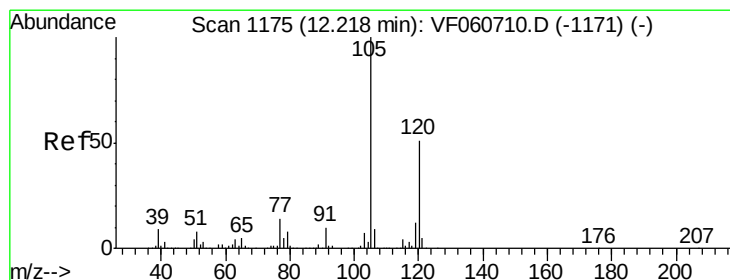
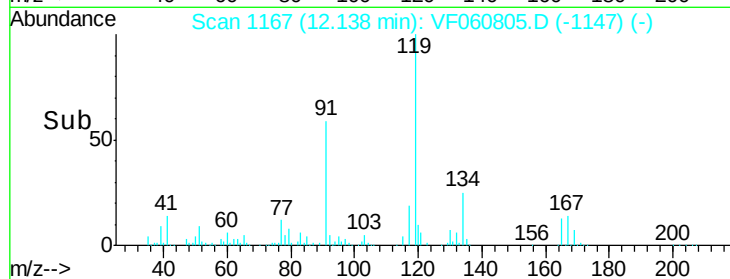
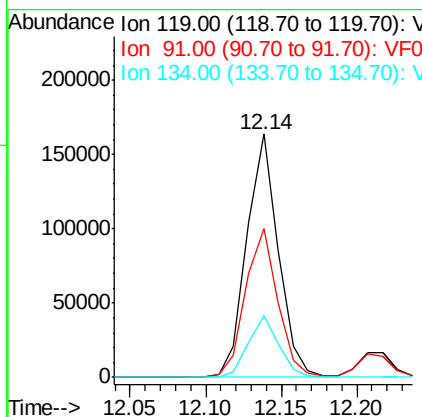
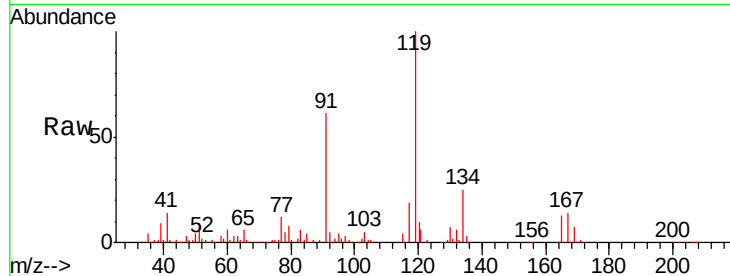
#83
 tert-Butylbenzene
 Concen: 24.27 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	239793		
91	61.1	31.4	94.3	
134	25.3	12.8	38.4	

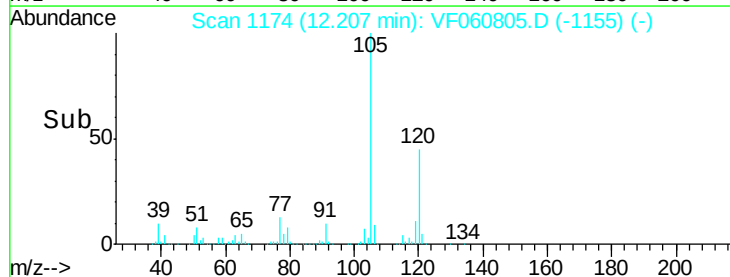
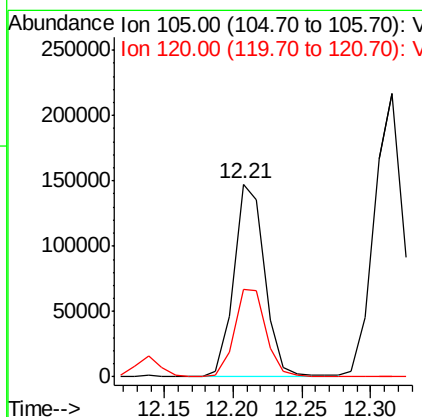
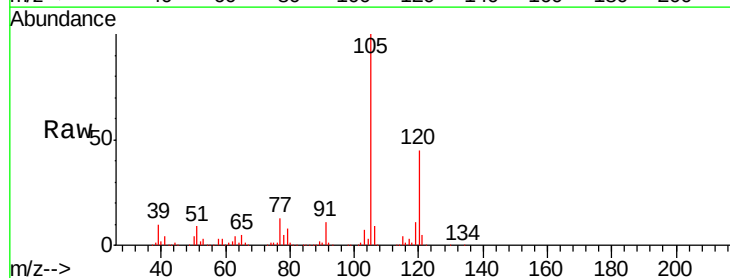
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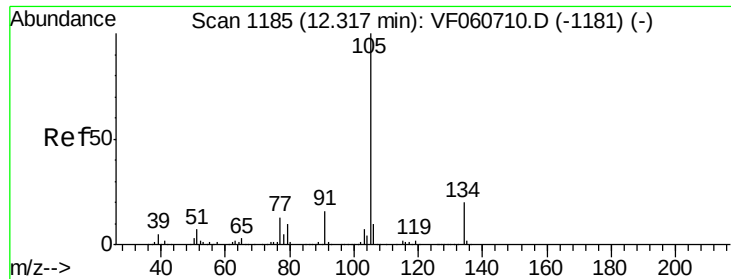
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.07 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231677		
120	45.1	25.5	76.5	





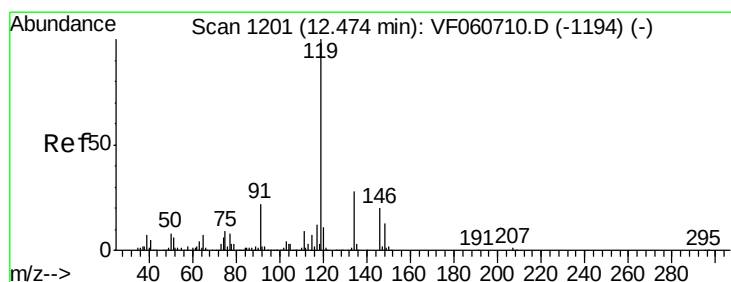
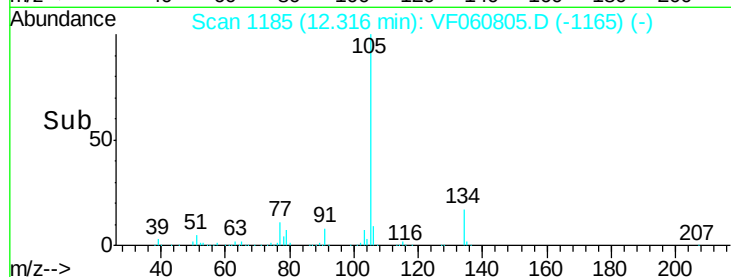
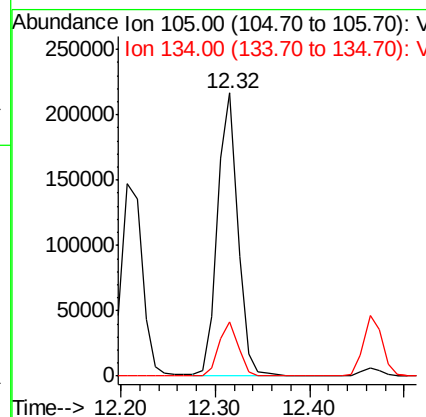
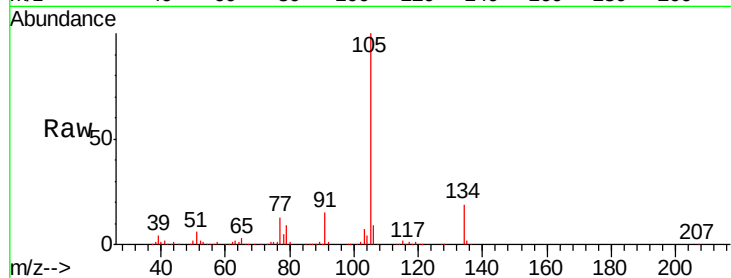
#85
 sec-Butylbenzene
 Concen: 24.17 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.1	30.3

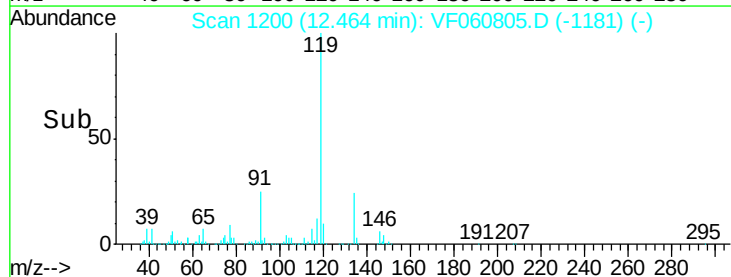
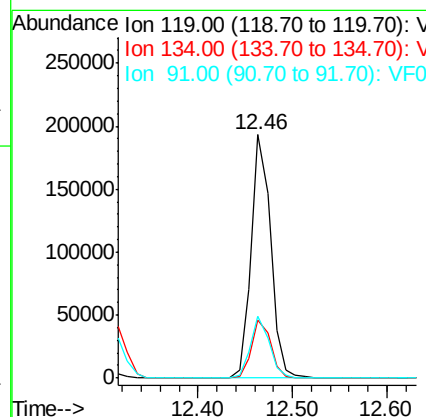
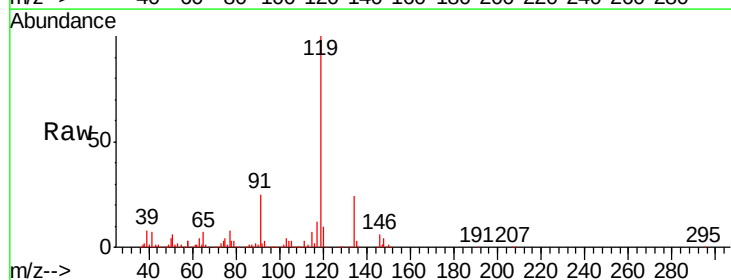
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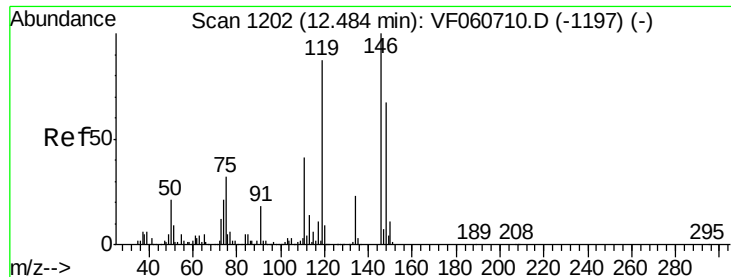
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#86
 p-Isopropyltoluene
 Concen: 24.69 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.8	13.9	41.7
91	25.3	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 23.88 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

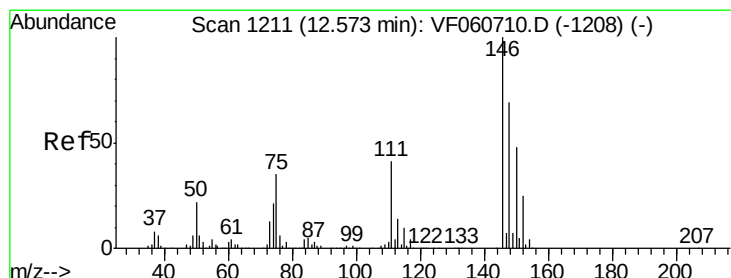
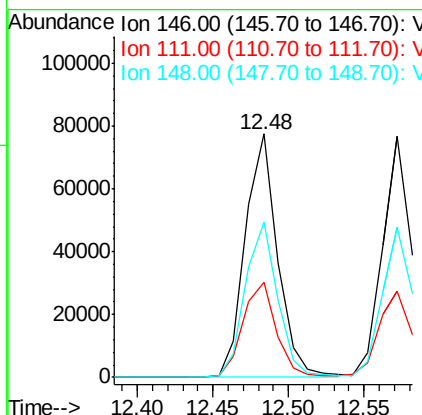
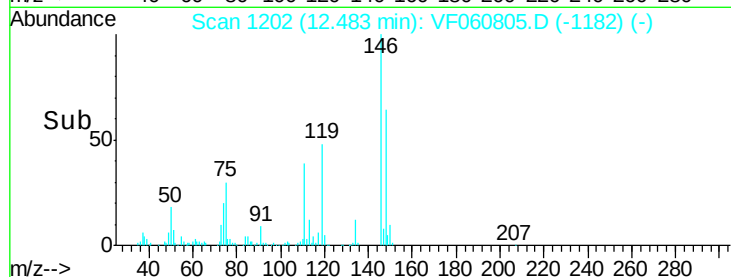
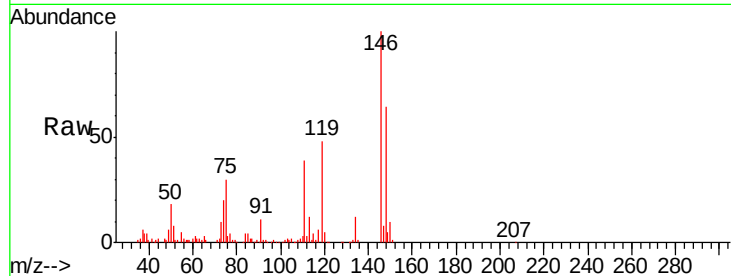
ClientSampleId :

VF1120SBD01

Tgt Ion:	146	Resp:	115954
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.3	60.8
148	63.7	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 23.17 ug/l

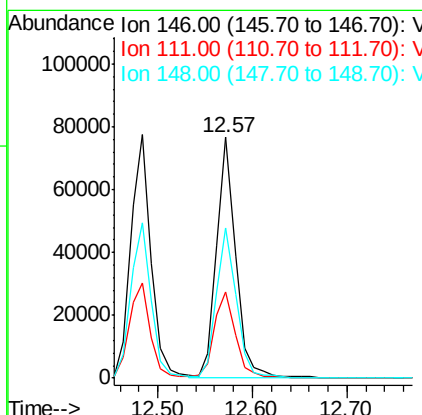
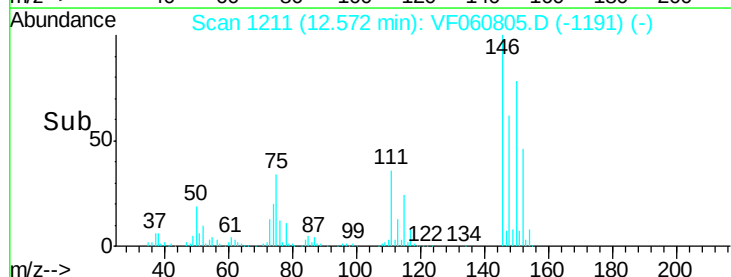
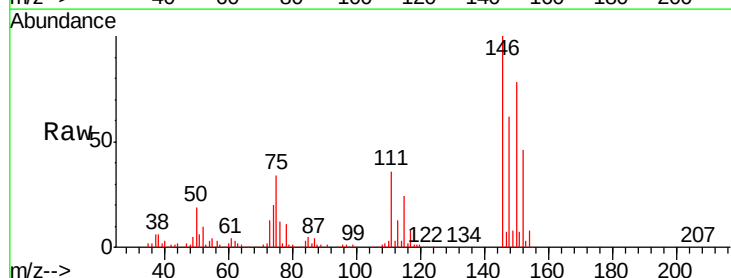
RT: 12.57 min Scan# 1211

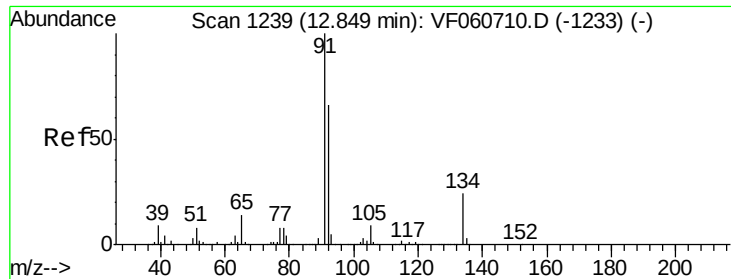
Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion:	146	Resp:	108116
Ion Ratio	Lower	Upper	
146	100		
111	35.8	20.6	61.9
148	62.4	34.7	104.1





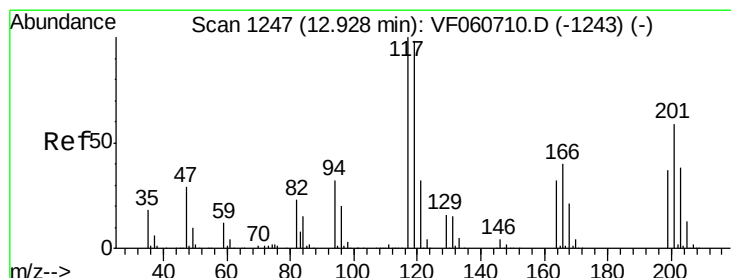
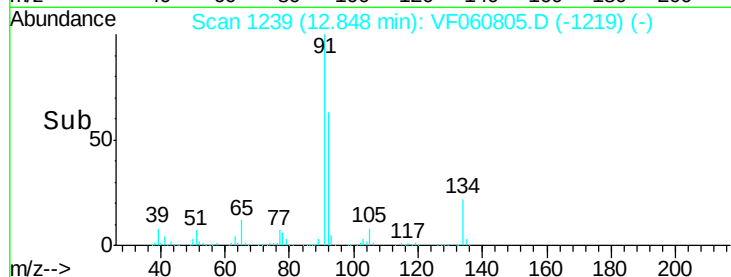
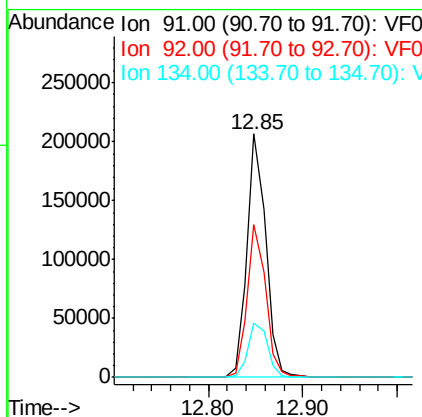
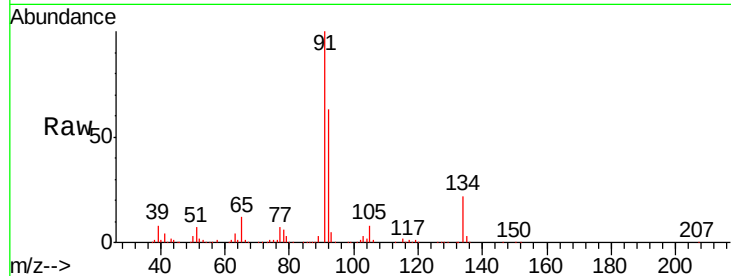
#89
n-Butylbenzene
Concen: 24.96 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	285075		
92	62.5	33.1	99.2	
134	22.1	11.9	35.9	

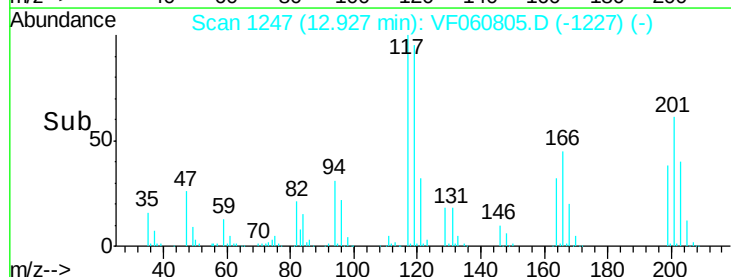
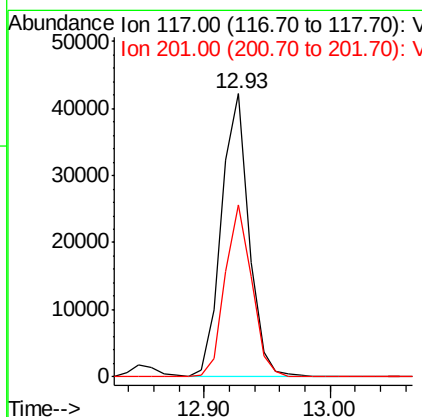
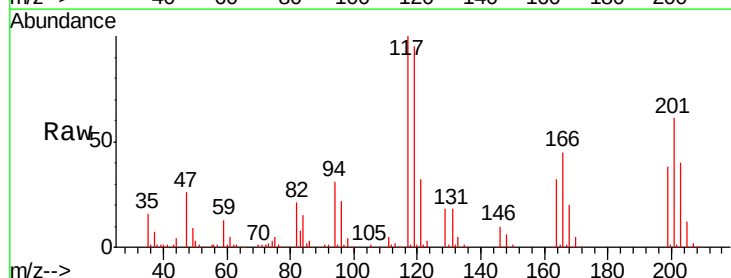
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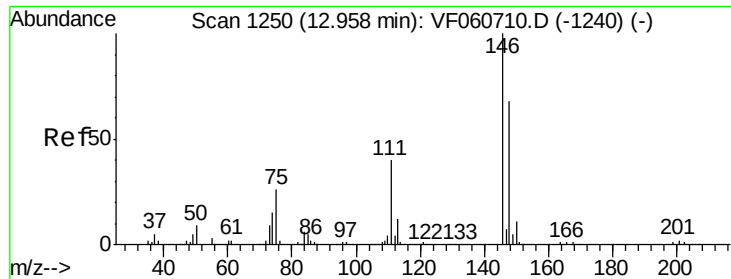
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#90
Hexachloroethane
Concen: 23.31 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	63807		
201	62.0	29.4	88.3	





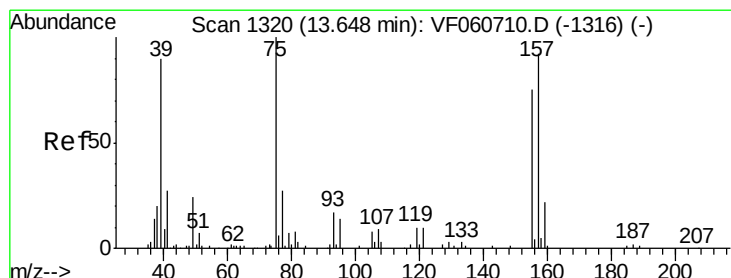
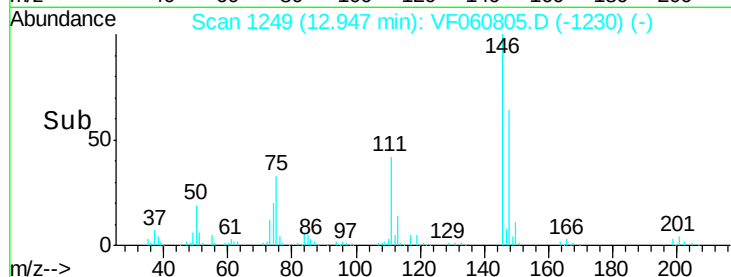
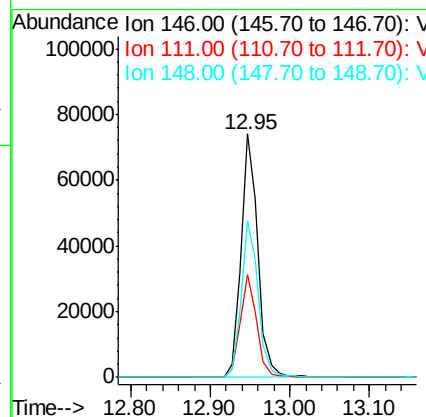
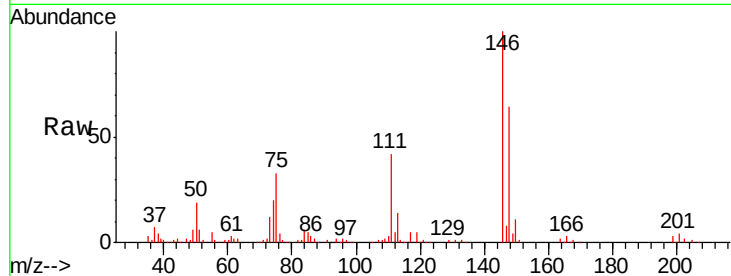
#91
 1,2-Dichlorobenzene
 Concen: 23.93 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1120SBD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109407		
111	42.1	20.3	60.8	
148	64.2	34.1	102.3	

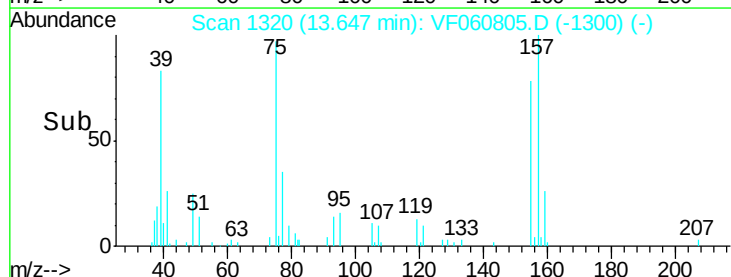
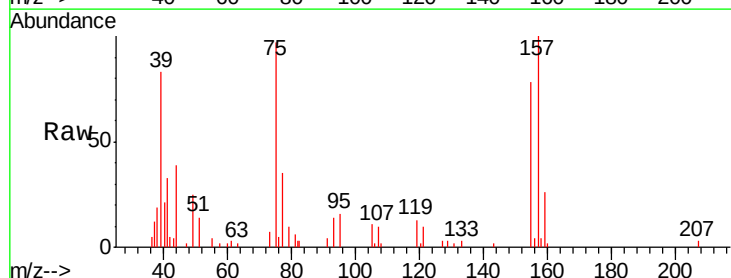
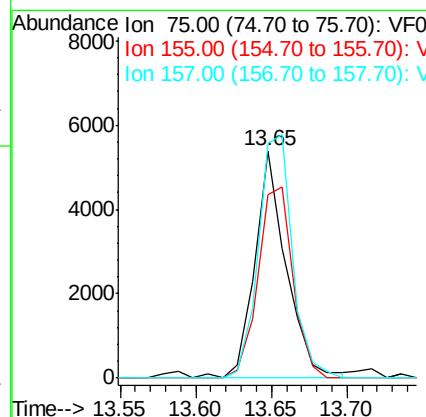
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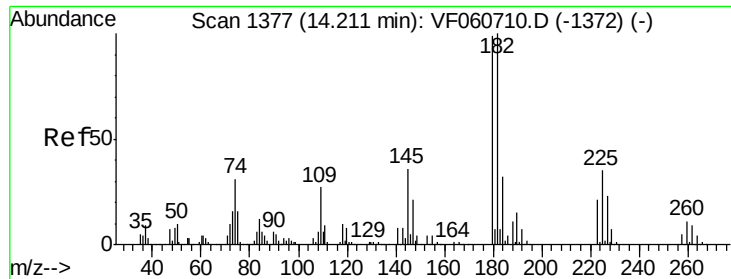
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.44 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7808		
155	80.8	37.4	112.2	
157	103.0	46.0	138.0	





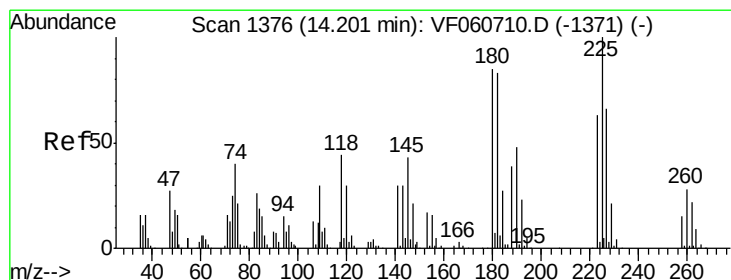
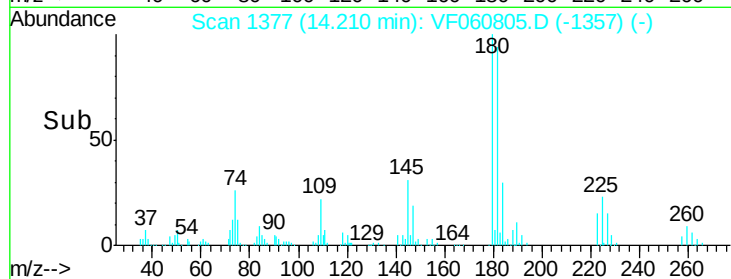
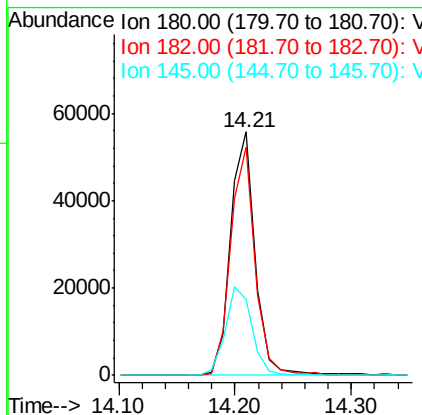
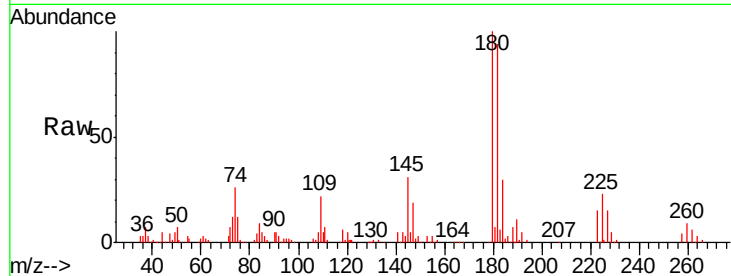
#93
 1,2,4-Trichlorobenzene
 Concen: 24.68 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81084		
182	93.6	50.3	151.0	
145	30.9	18.3	54.9	

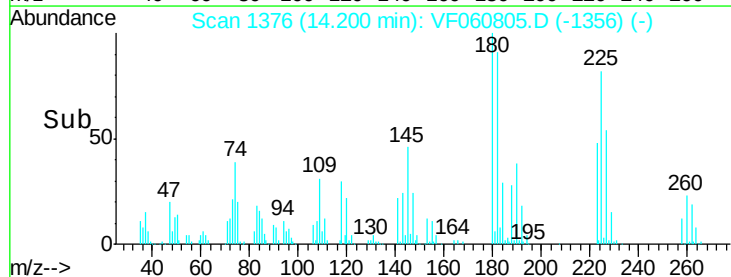
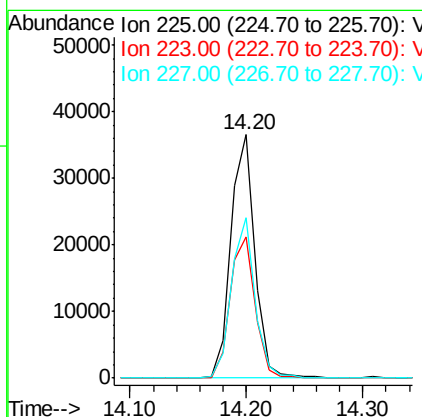
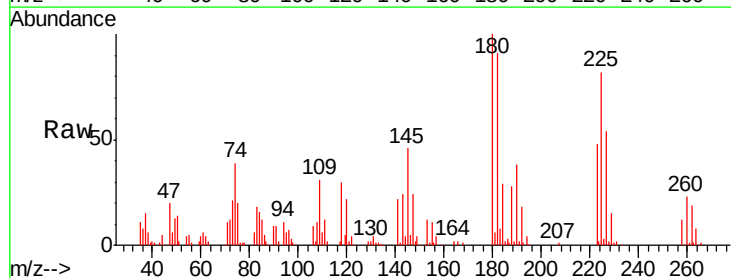
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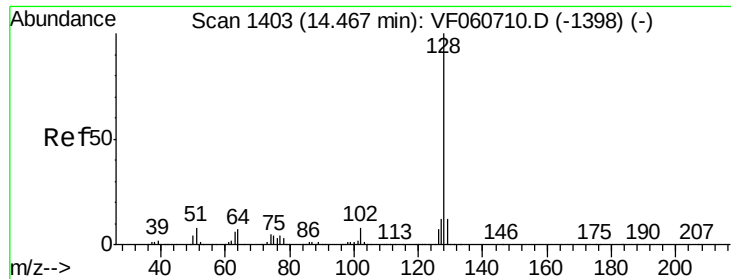
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#94
 Hexachlorobutadiene
 Concen: 24.14 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51839		
223	57.9	31.5	94.5	
227	65.7	33.0	99.0	





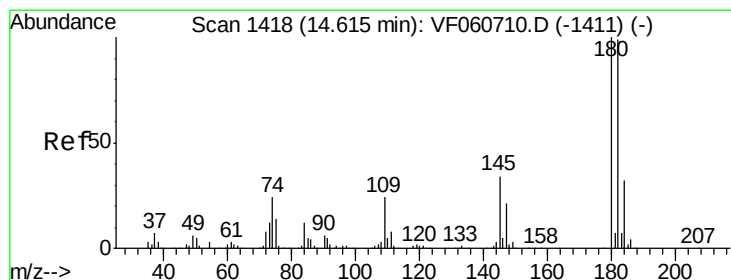
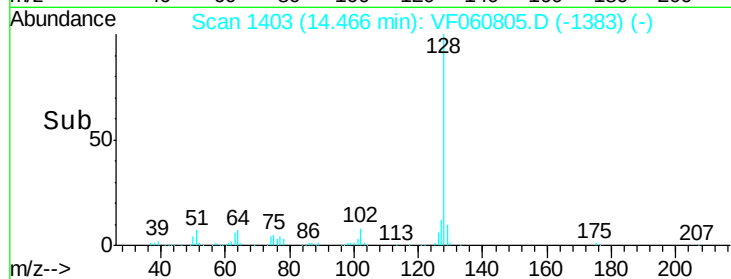
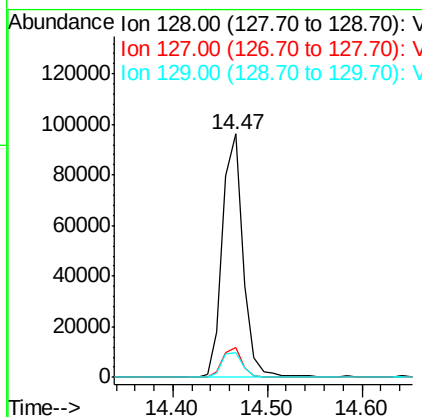
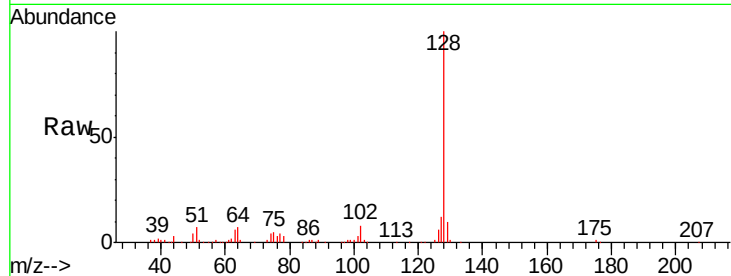
#95
Naphthalene
Concen: 24.35 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.6
129	10.2	9.3	13.9

Manual Integrations
APPROVED

apatel
11/21/2018 2:01:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.97 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	49.6	149.0
145	40.6	16.9	50.7

