

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060712.D
 Acq On : 13 Nov 2018 14:02
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:47 AM

Quant Time: Nov 14 03:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	211790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	381528	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	344332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	186617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	235272	97.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.78%	
35) Dibromofluoromethane	4.13	113	264101	92.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.18%	
50) Toluene-d8	7.57	98	716627	86.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.08%	
62) 4-Bromofluorobenzene	11.42	95	323778	83.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	378169	99.773	ug/l	99
3) Chloromethane	1.11	50	233213	99.212	ug/l	97
4) Vinyl Chloride	1.15	62	207346	98.605	ug/l	99
5) Bromomethane	1.33	94	134158	100.438	ug/l	96
6) Chloroethane	1.38	64	81003	98.457	ug/l	98
7) Trichlorofluoromethane	1.50	101	462116	99.316	ug/l	95
8) Diethyl Ether	1.63	74	61904	103.904	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	223897	102.176	ug/l	97
10) Methyl Iodide	1.91	142	360453m	106.943	ug/l	
11) Tert butyl alcohol	2.58	59	57772	525.480	ug/l	98
12) 1,1-Dichloroethene	1.79	96	178302	103.192	ug/l	98
13) Acrolein	2.01	56	48559	483.056	ug/l	86
14) Allyl chloride	2.11	41	310276	102.503	ug/l	98
15) Acrylonitrile	2.96	53	127839	545.693	ug/l	97
16) Acetone	2.25	43	273105	528.923	ug/l	93
17) Carbon Disulfide	1.84	76	539936m	103.460	ug/l	
18) Methyl Acetate	2.35	43	78223	84.919	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	428151	103.289	ug/l	98
20) Methylene Chloride	2.19	84	171654m	87.899	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	183248	101.509	ug/l	94
22) Diisopropyl ether	2.81	45	622471	106.514	ug/l	99
23) Vinyl Acetate	3.20	43	1509387	548.479	ug/l	97
24) 1,1-Dichloroethane	2.89	63	388805	109.892	ug/l	99
25) 2-Butanone	4.35	43	420393	494.990	ug/l	100
26) 2,2-Dichloropropane	3.61	77	255687	91.835	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	302099	98.373	ug/l	99
28) Bromochloromethane	3.73	49	169050	91.938	ug/l	98
29) Tetrahydrofuran	4.08	42	180305	514.686	ug/l	96
30) Chloroform	3.87	83	540489	95.212	ug/l	98
31) Cyclohexane	3.70	56	412796	96.130	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	427914	95.723	ug/l	99
36) 1,1-Dichloropropene	4.30	75	422504	95.486	ug/l	98
37) Ethyl Acetate	4.13	43	157740	95.888	ug/l	80
38) Carbon Tetrachloride	4.01	117	385654	89.823	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	476353	92.794	ug/l	97
40) Benzene	4.65	78	910717	92.332	ug/l	99
41) Methacrylonitrile	4.76	41	83652	83.941	ug/l	93
42) 1,2-Dichloroethane	4.96	62	335544	98.442	ug/l	99
43) Isopropyl Acetate	6.97	43	212007	97.201	ug/l	91
44) Trichloroethene	5.52	130	281594	90.487	ug/l	90
45) 1,2-Dichloropropane	6.25	63	230700	89.883	ug/l	98
46) Dibromomethane	6.10	93	166739	98.413	ug/l	99
47) Bromodichloromethane	6.40	83	413812	95.645	ug/l	96
48) Methyl methacrylate	6.73	41	135954	94.183	ug/l	99
49) 1,4-Dioxane	6.72	88	26147	1936.775	ug/l #	83
51) 4-Methyl-2-Pentanone	8.27	43	719632	456.185	ug/l	96
52) Toluene	7.64	92	583763	88.318	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	311561	89.909	ug/l	96
54) cis-1,3-Dichloropropene	7.33	75	456084	101.324	ug/l	90
55) 1,1,2-Trichloroethane	8.51	97	174283	92.285	ug/l	96
56) Ethyl methacrylate	8.64	69	190824	88.970	ug/l	98
57) 1,3-Dichloropropane	8.86	76	301581	92.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.64	63	89869	458.687	ug/l	100
59) 2-Hexanone	9.51	43	499393	450.465	ug/l	97
60) Dibromochloromethane	8.74	129	256036	95.127	ug/l	96
61) 1,2-Dibromoethane	9.00	107	189200	95.259	ug/l	99
64) Tetrachloroethene	8.16	164	241772	88.667	ug/l	98
65) Chlorobenzene	9.82	112	624706	89.907	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	288871	95.317	ug/l	99
67) Ethyl Benzene	9.92	91	1147847	87.640	ug/l	96
68) m/p-Xylenes	10.15	106	792530	169.322	ug/l	94
69) o-Xylene	10.73	106	493357	93.753	ug/l	90
70) Styrene	10.81	104	612374	85.746	ug/l	100
71) Bromoform	10.79	173	131885	96.773	ug/l	96
73) Isopropylbenzene	11.14	105	1326350	88.297	ug/l	96
74) N-amyl acetate	11.38	43	326830	95.575	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	233595	94.060	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	166767	90.416	ug/l	98
77) Bromobenzene	11.51	156	294751	94.268	ug/l	98
78) n-propylbenzene	11.61	91	1423912	81.278	ug/l	96
79) 2-Chlorotoluene	11.73	91	891838	87.587	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	1070593	89.772	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	86718m	97.993	ug/l	
82) 4-Chlorotoluene	11.91	91	907360	86.985	ug/l	95
83) tert-Butylbenzene	12.14	119	1066010	84.188	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	1083786	87.871	ug/l	97
85) sec-Butylbenzene	12.32	105	1449211	84.371	ug/l	96
86) p-Isopropyltoluene	12.47	119	1225554	85.429	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	540242	86.822	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	543566	90.892	ug/l	96
89) n-Butylbenzene	12.86	91	1188744	81.197	ug/l	92
90) Hexachloroethane	12.93	117	327661	93.382	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	514653	87.842	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	49001	104.977	ug/l	96

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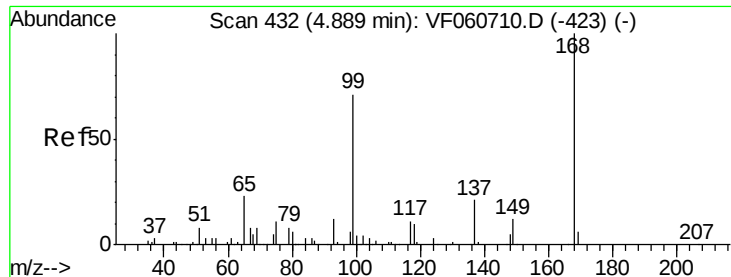
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	367633	87.302	ug/l	98
94) Hexachlorobutadiene	14.20	225	251685	91.462	ug/l	97
95) Naphthalene	14.47	128	802683	104.464	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	371917	95.578	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 211790

Ion Ratio Lower Upper

168 100

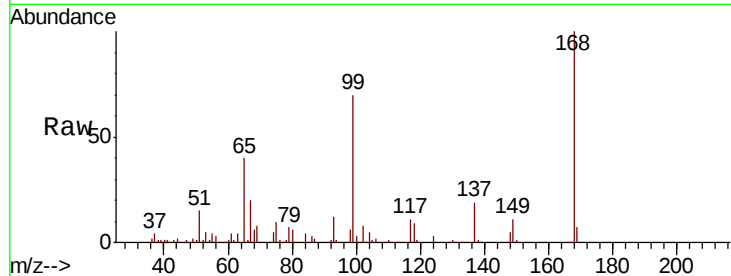
99 70.1 57.2 85.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

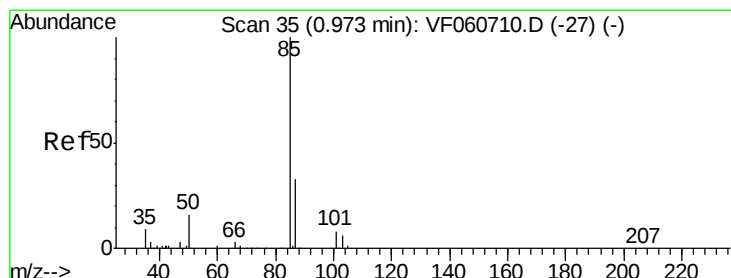
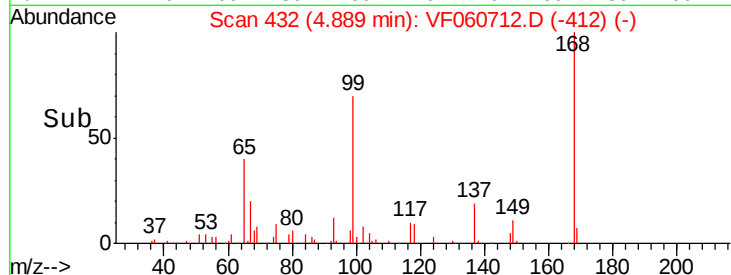
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 99.773 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060712.D

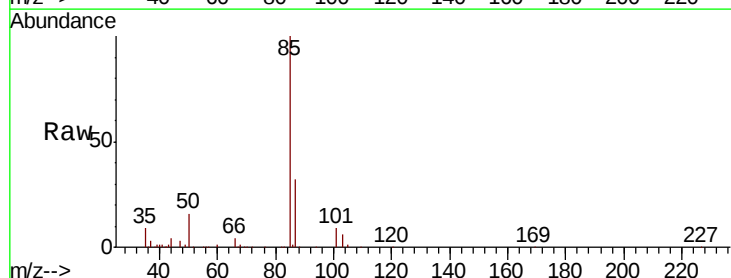
Acq: 13 Nov 2018 14:02

Tgt Ion: 85 Resp: 378169

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

100000

80000

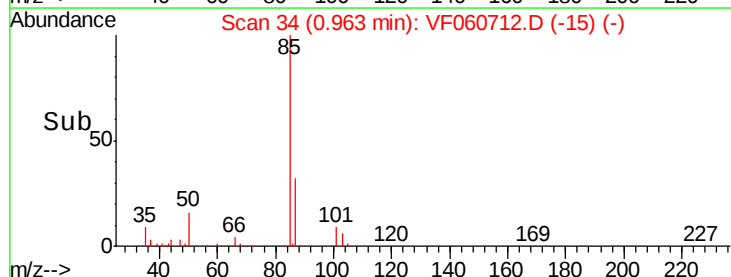
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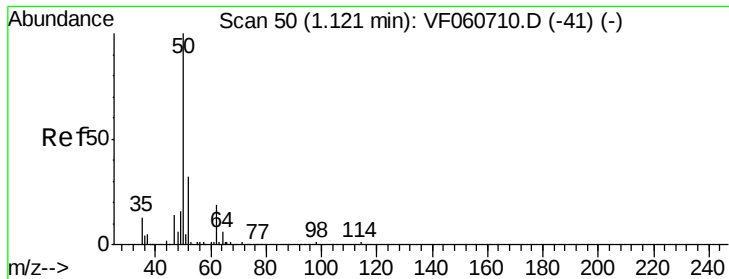
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 99.212 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 233213

Ion Ratio Lower Upper

50 100

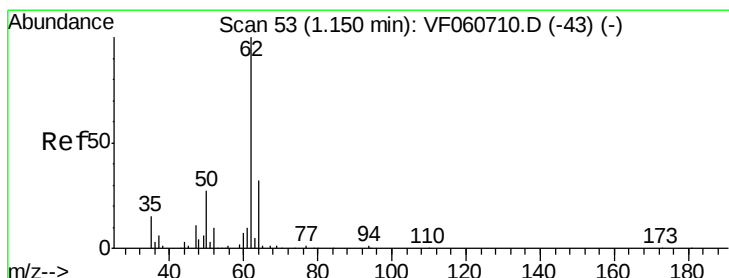
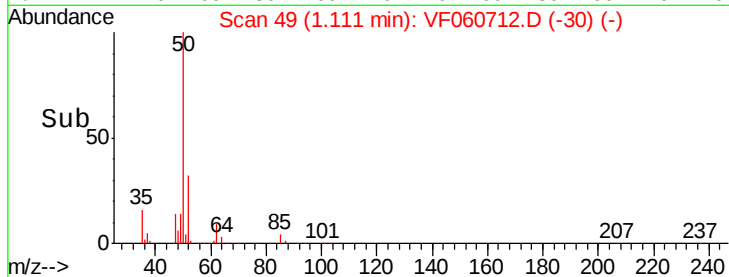
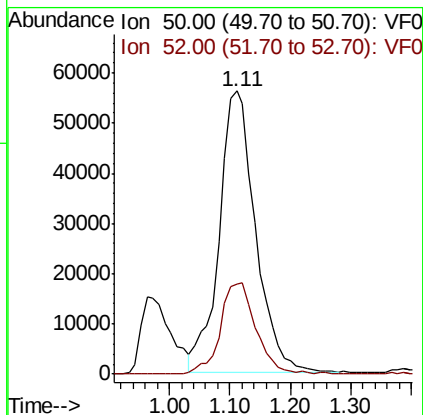
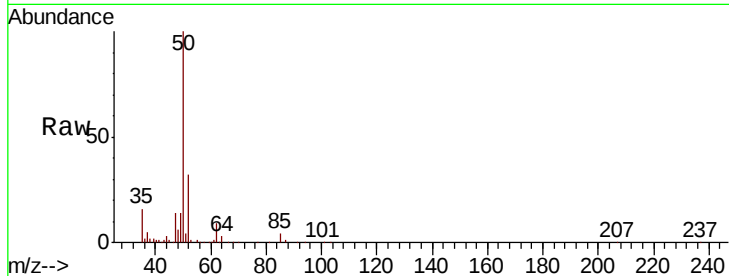
52 31.8 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 98.605 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060712.D

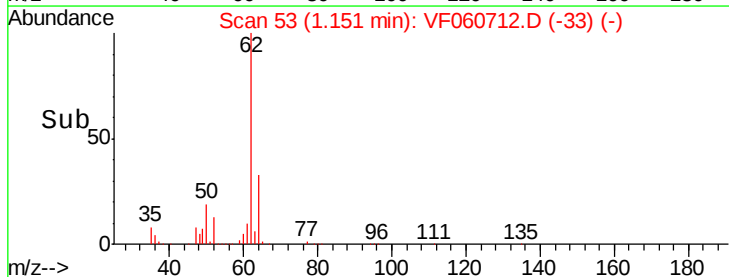
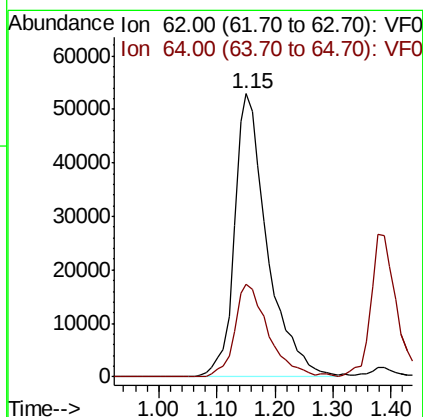
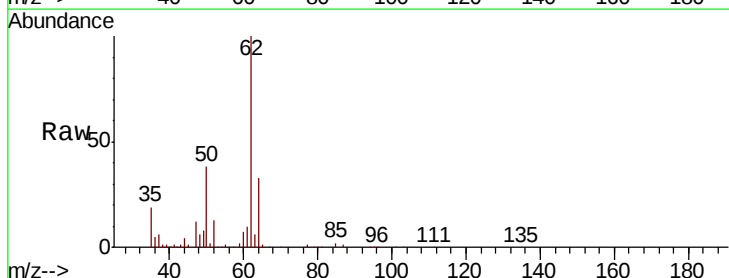
Acq: 13 Nov 2018 14:02

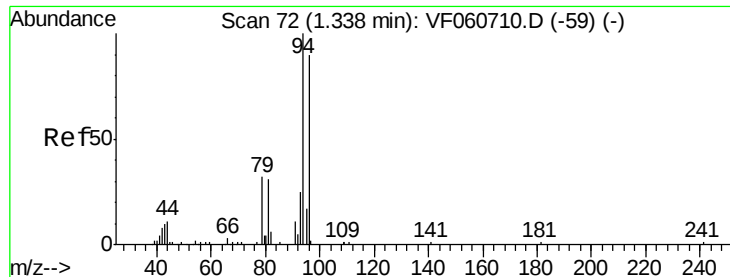
Tgt Ion: 62 Resp: 207346

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 100.438 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 134158

Ion Ratio Lower Upper

94 100

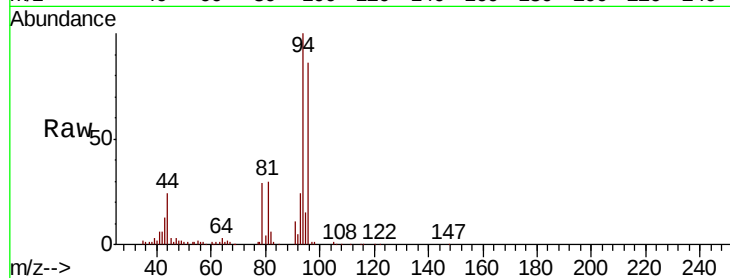
96 86.2 71.9 107.9

Manual Integrations

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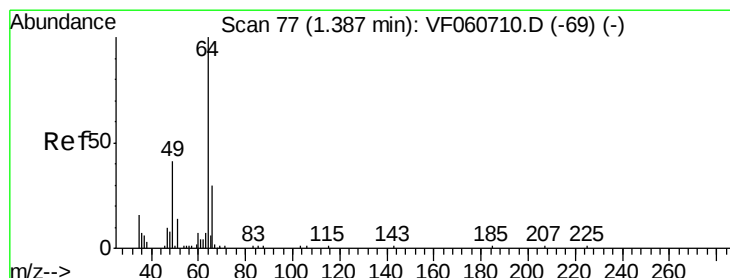
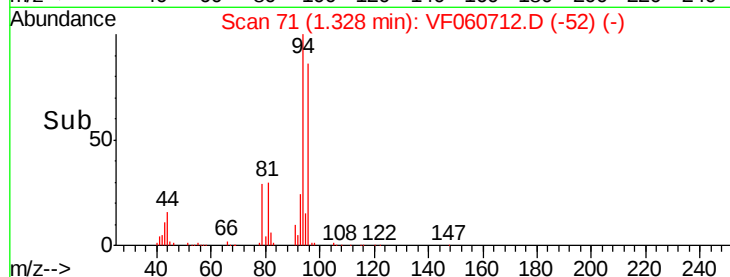
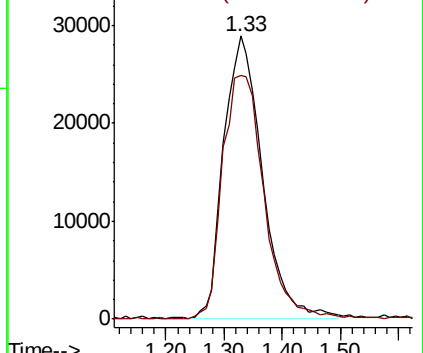
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 98.457 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060712.D

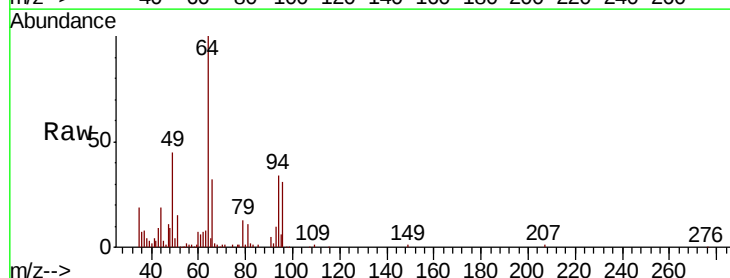
Acq: 13 Nov 2018 14:02

Tgt Ion: 64 Resp: 81003

Ion Ratio Lower Upper

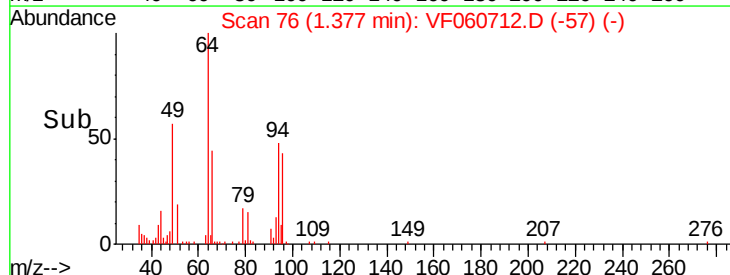
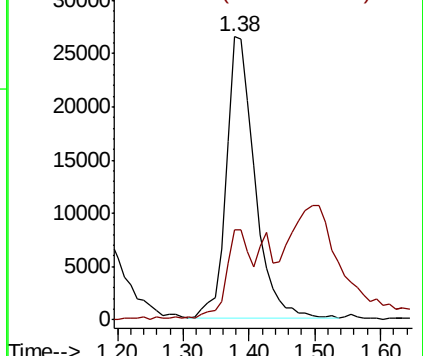
64 100

66 31.9 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

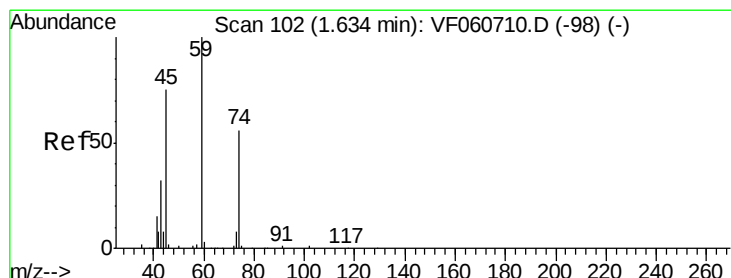
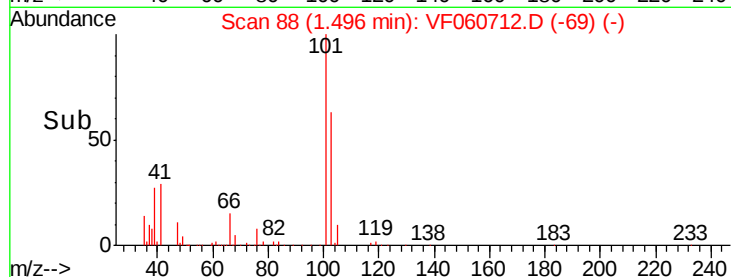
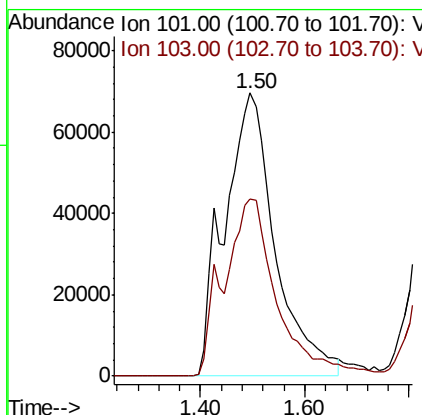
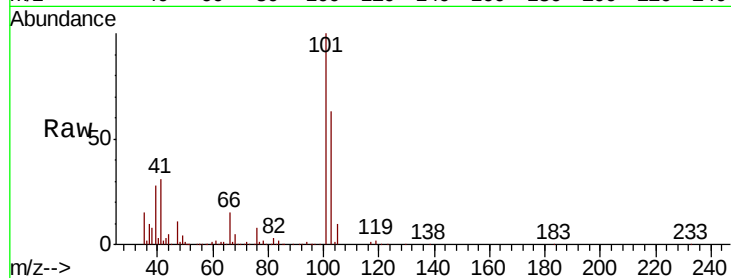
Trichlorofluoromethane
 Concen: 99.316 ug/l
 RT: 1.50 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	53.1	79.7

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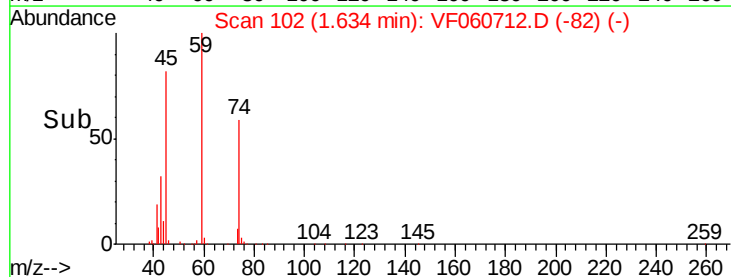
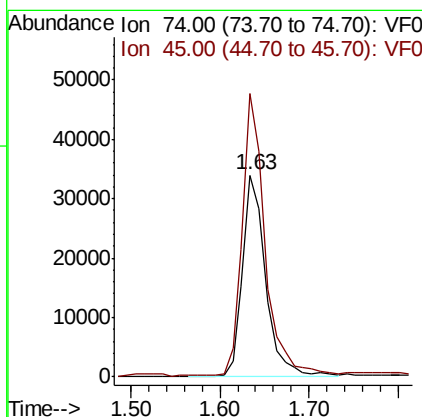
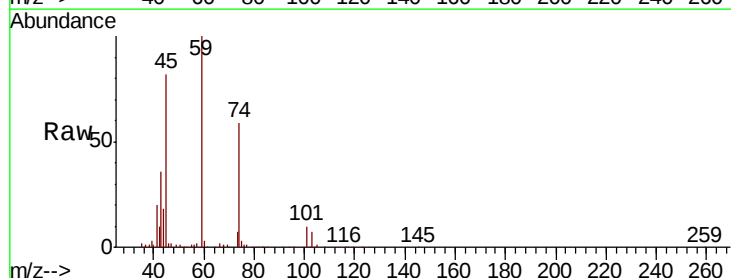
sam
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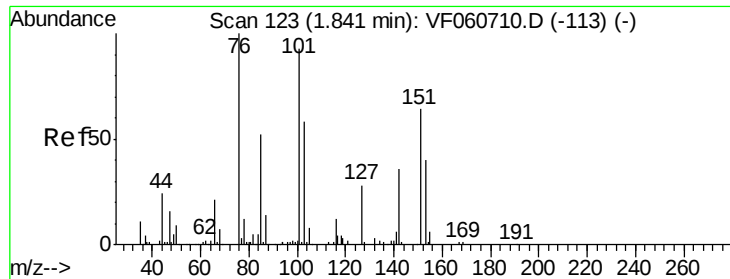


#8

Diethyl Ether
 Concen: 103.904 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.5	67.7	203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.176 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

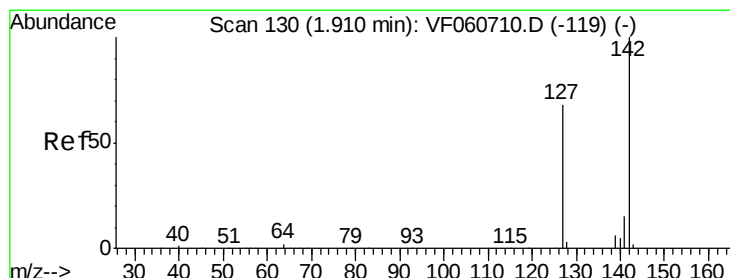
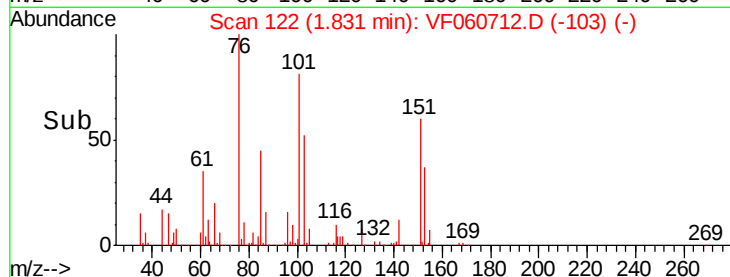
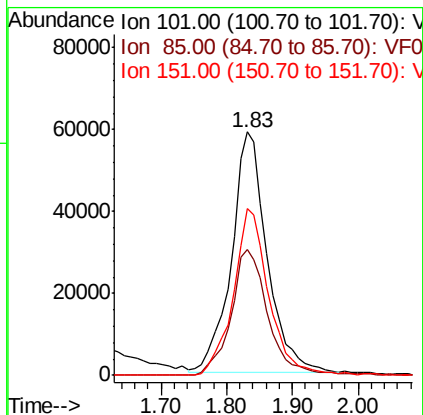
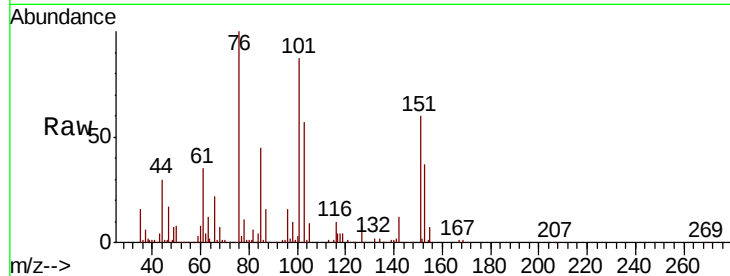
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	223897
Ion Ratio	Lower	Upper	
101	100		
85	51.8	43.6	65.4
151	68.7	53.1	79.7

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#10

Methyl Iodide

Concen: 106.943 ug/l m

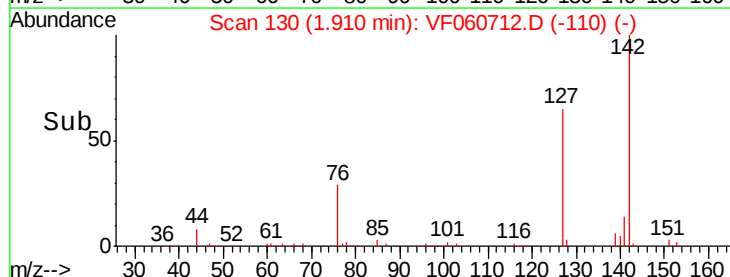
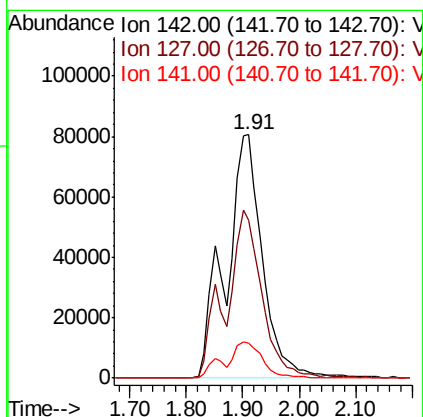
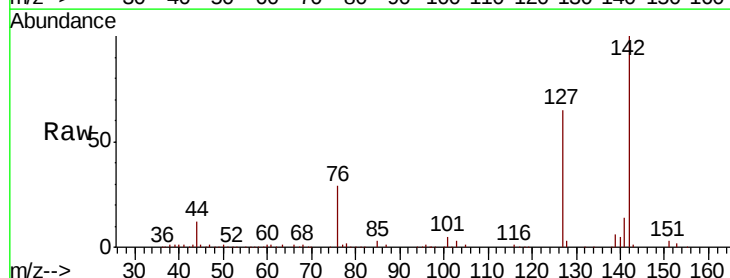
RT: 1.91 min Scan# 130

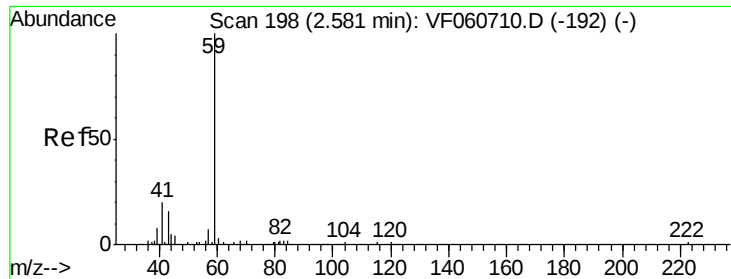
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	142	Resp:	360453
Ion Ratio	Lower	Upper	
142	100		
127	64.8	54.0	81.0
141	14.3	12.3	18.5





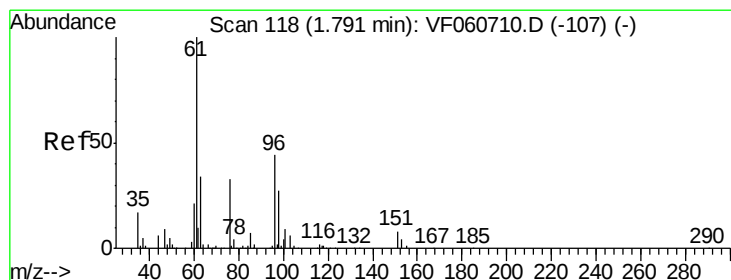
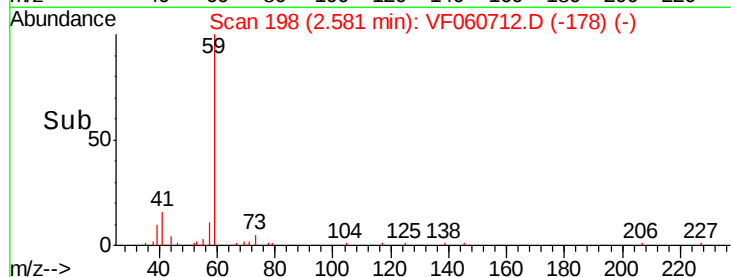
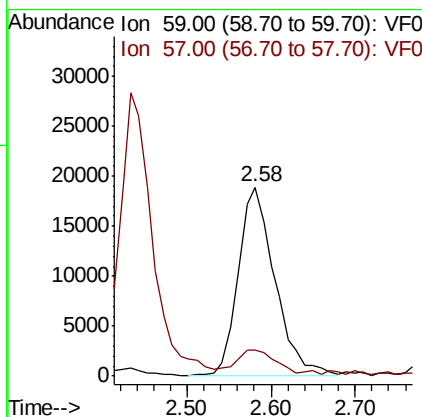
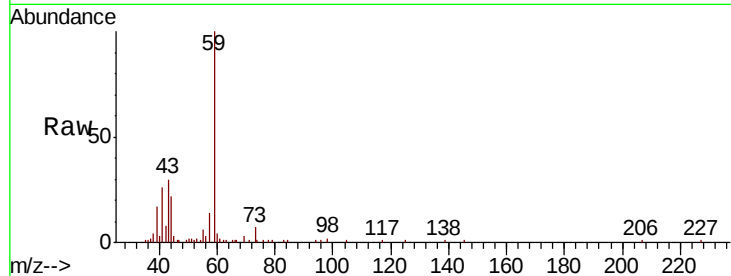
#11
Tert butyl alcohol
Concen: 525.480 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 57772
Ion Ratio Lower Upper
59 100
57 13.9 10.5 15.7

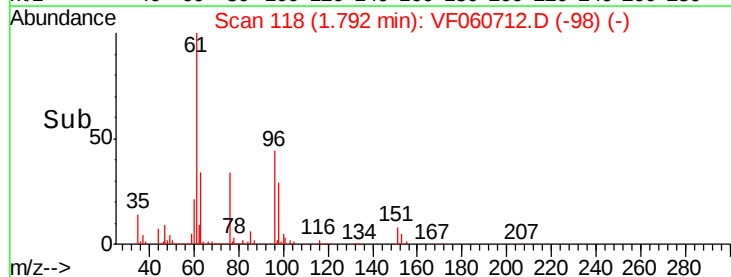
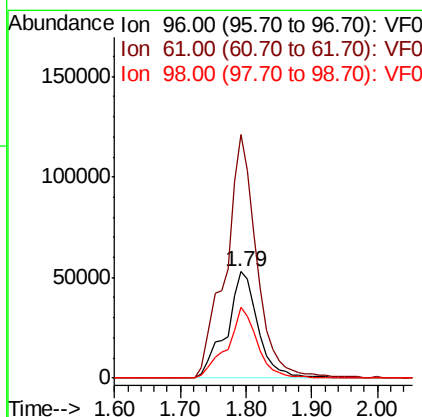
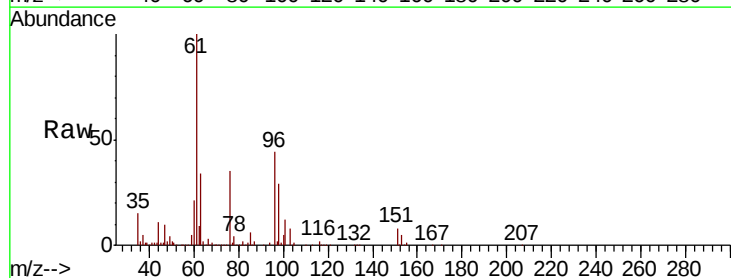
Manual Integrations
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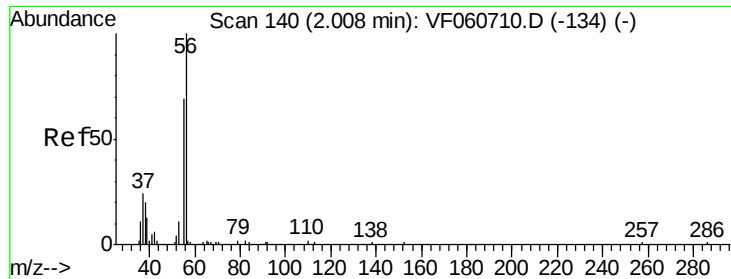
sam
11/14/2018 11:53:47 AM



#12
1,1-Dichloroethene
Concen: 103.192 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion: 96 Resp: 178302
Ion Ratio Lower Upper
96 100
61 228.5 182.2 273.2
98 66.5 49.2 73.8





#13

Acrolein

Concen: 483.056 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 48559

Ion Ratio Lower Upper

56 100

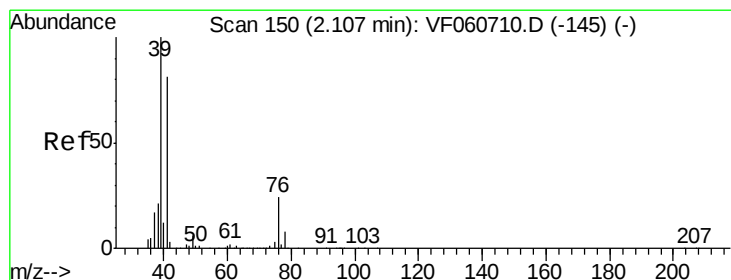
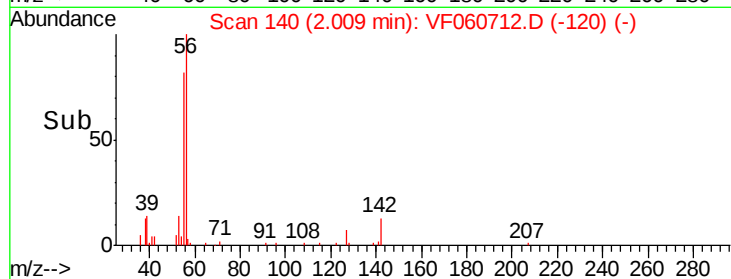
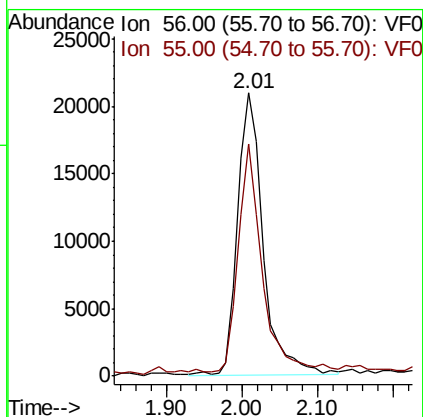
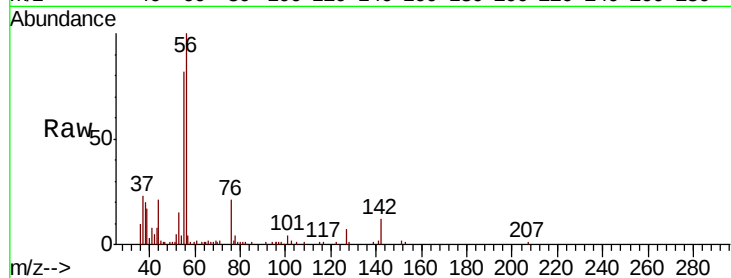
55 82.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 102.503 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

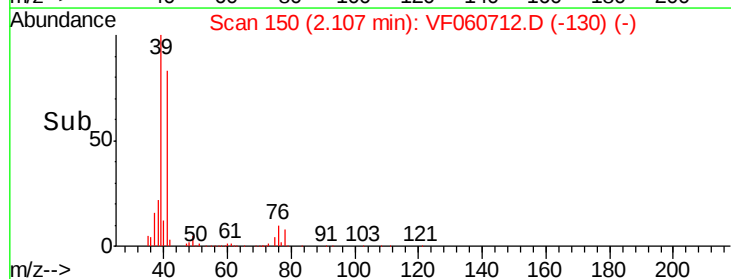
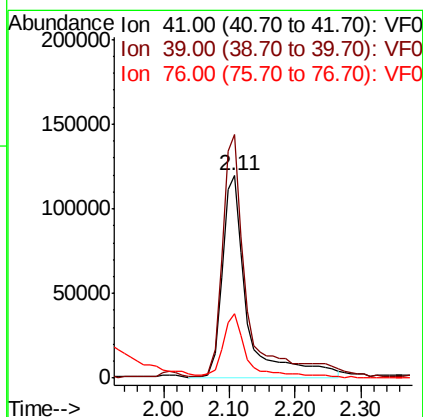
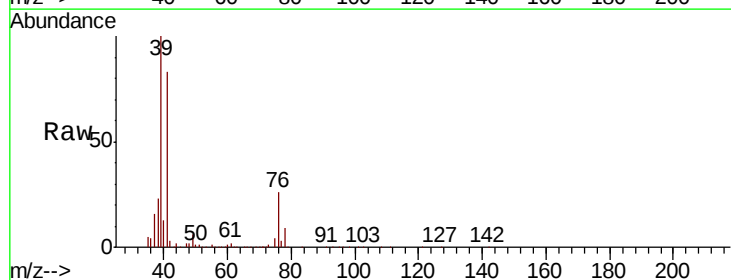
Tgt Ion: 41 Resp: 310276

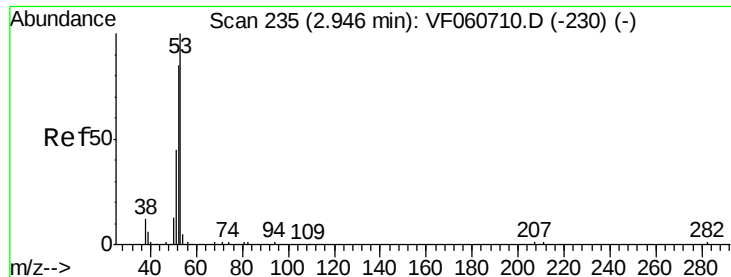
Ion Ratio Lower Upper

41 100

39 120.3 98.5 147.7

76 31.9 24.5 36.7





#15

Acrylonitrile

Concen: 545.693 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

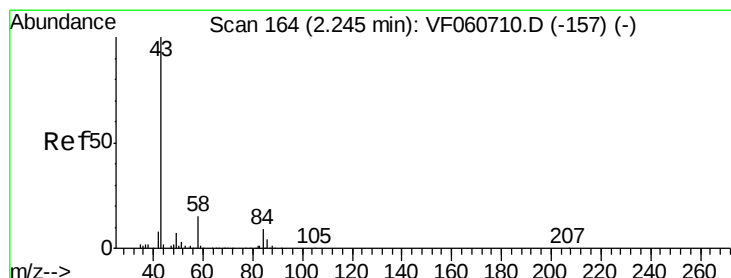
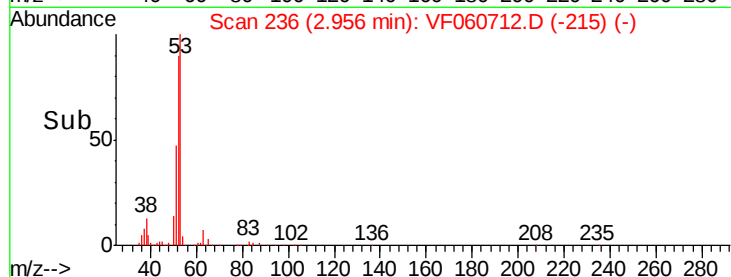
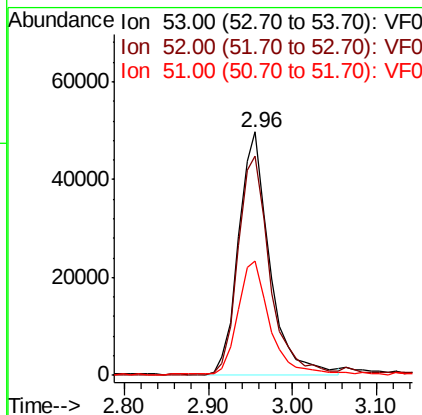
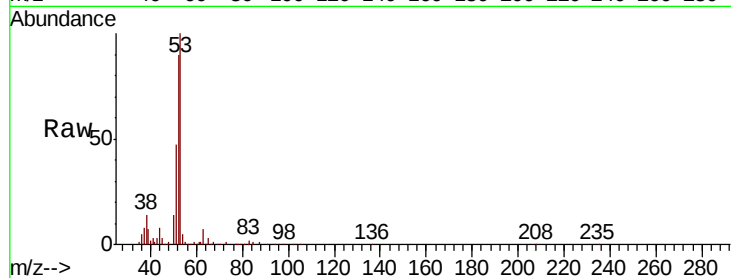
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	127839
Ion	Ratio	Lower	Upper
53	100		
52	89.8	68.8	103.2
51	46.8	36.7	55.1

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#16

Acetone

Concen: 528.923 ug/l

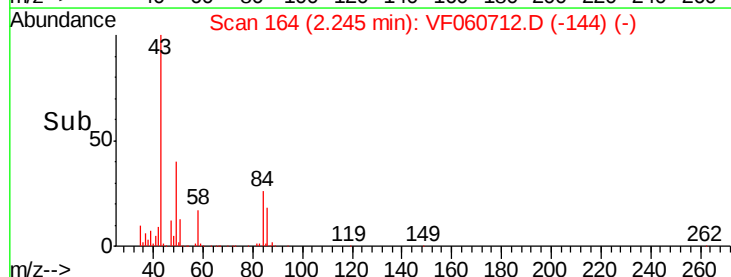
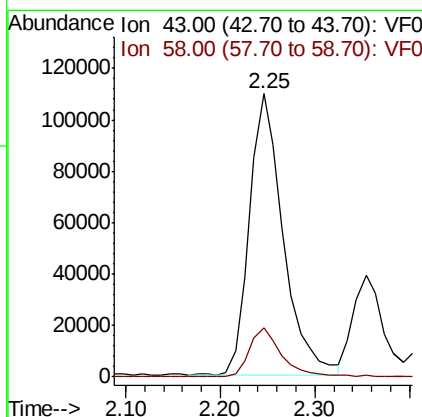
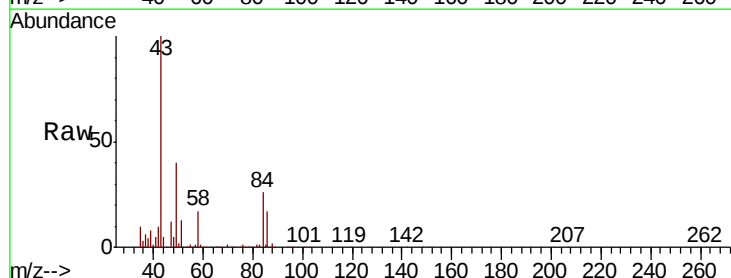
RT: 2.25 min Scan# 164

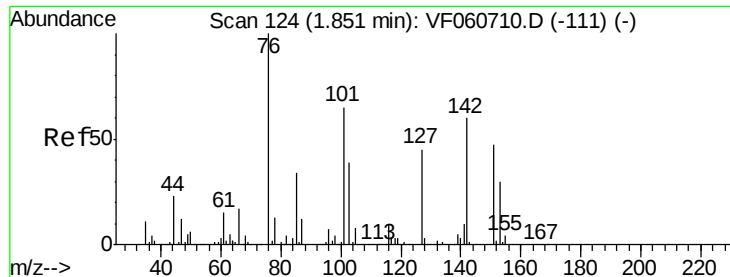
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	43	Resp:	273105
Ion	Ratio	Lower	Upper
43	100		
58	17.2	11.6	17.4





#17

Carbon Disulfide

Concen: 103.460 ug/l m

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tot Ion: 76 Resp: 539936

Ion Ratio Lower Upper

76 100

78 12.2 10.5 15.7

Instrument :

MSVOA_F

ClientSampleId :

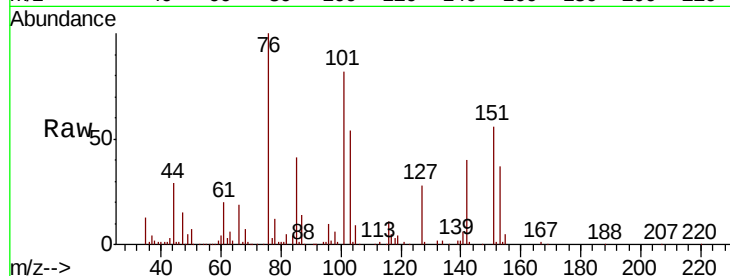
VSTDIC100

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

80000

60000

40000

20000

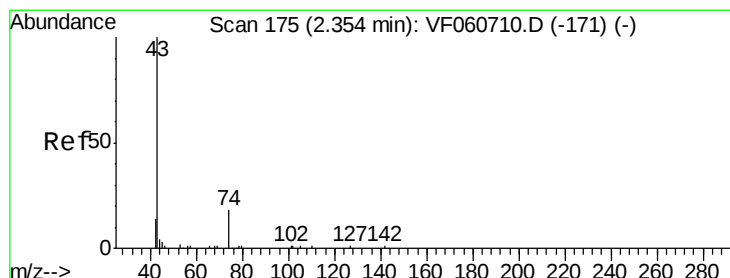
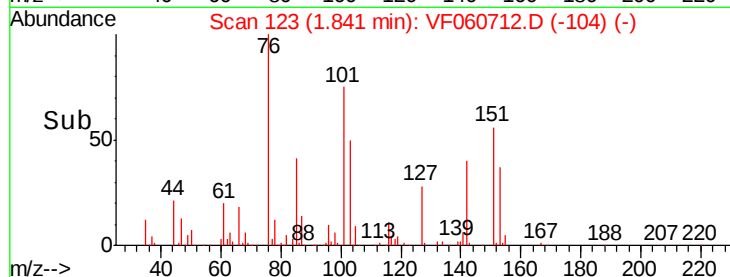
0

1.60

1.84

2.00

Time-->



#18

Methyl Acetate

Concen: 84.919 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF060712.D

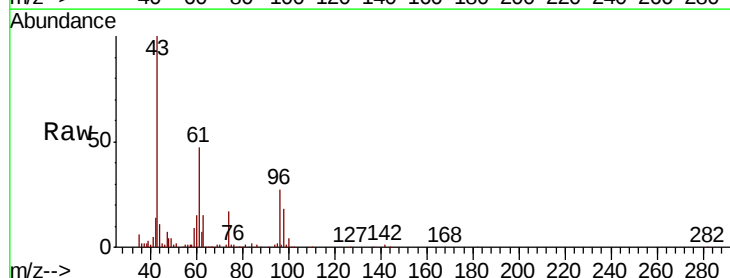
Acq: 13 Nov 2018 14:02

Tgt Ion: 43 Resp: 78223

Ion Ratio Lower Upper

43 100

74 17.1 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

40000

30000

20000

10000

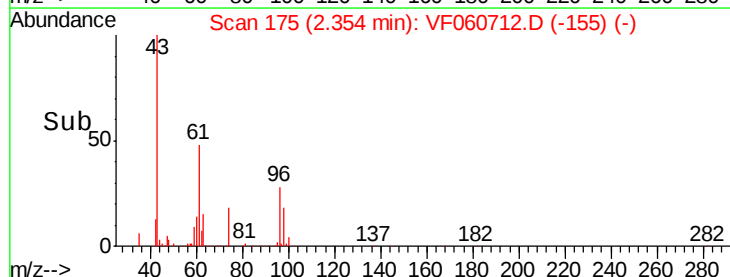
0

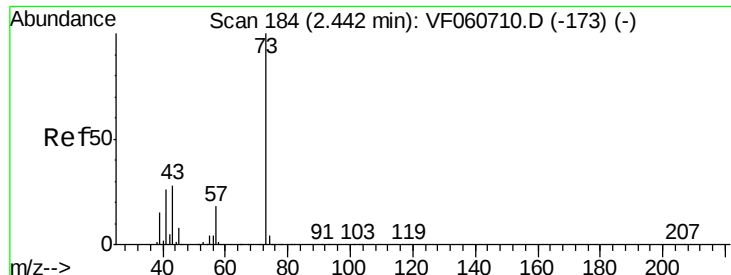
2.30

2.35

2.40

Time-->





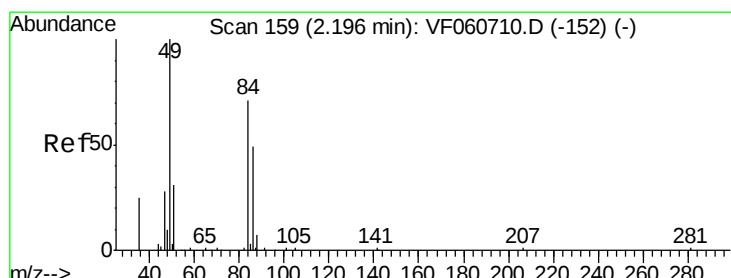
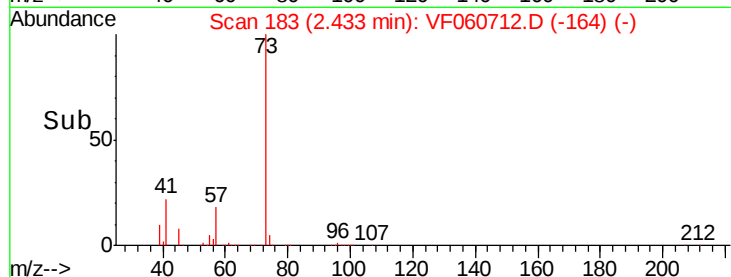
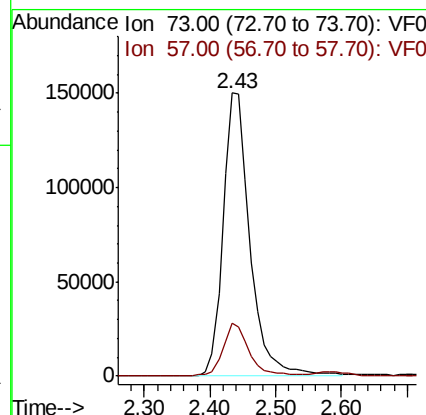
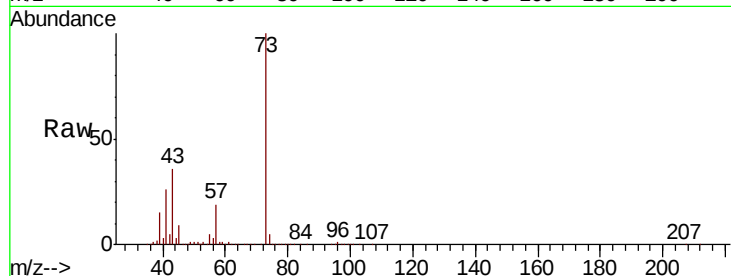
#19
Methvl tert-butvl Ether
Concen: 103.289 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.3	21.5

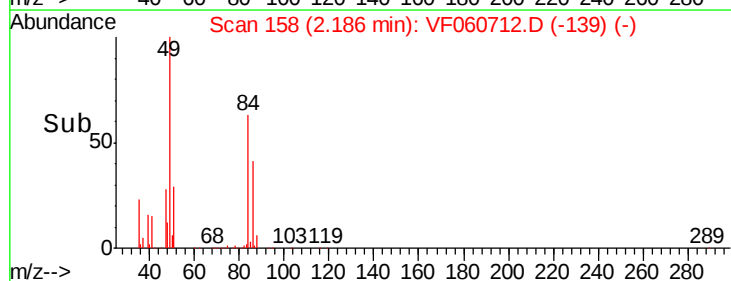
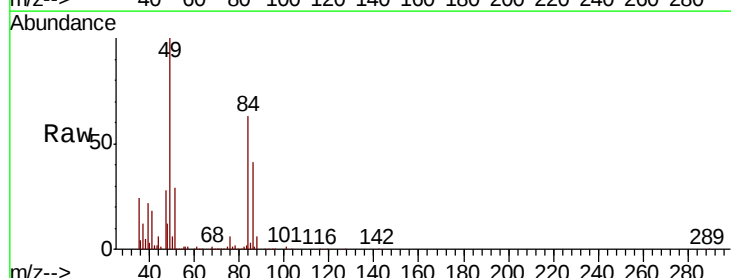
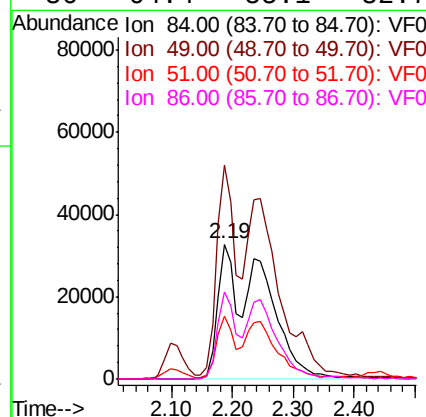
Manual Integrations
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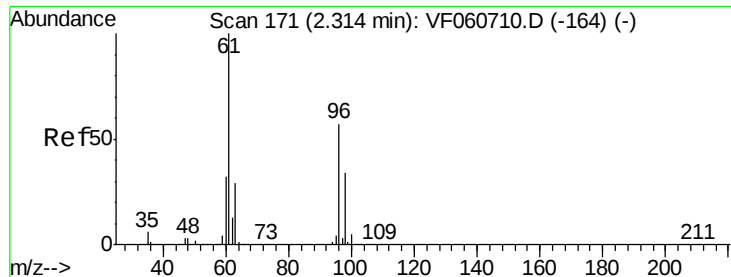
sam
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#20
Methylene Chloride
Concen: 87.899 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.5	120.2	180.4
51	46.3	37.2	55.8
86	64.4	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 101.509 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

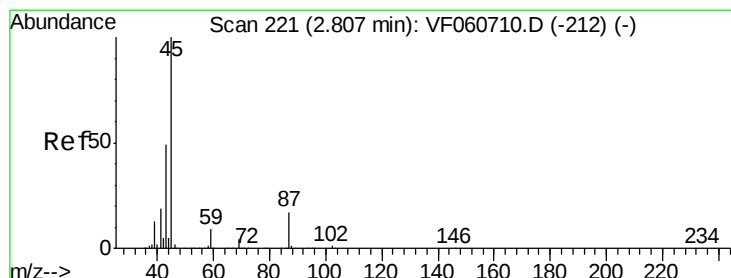
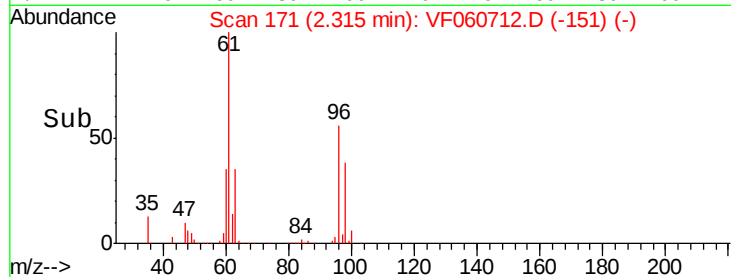
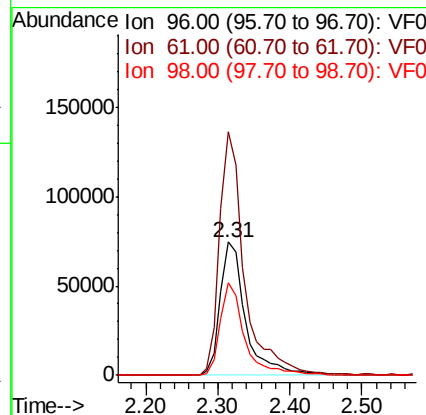
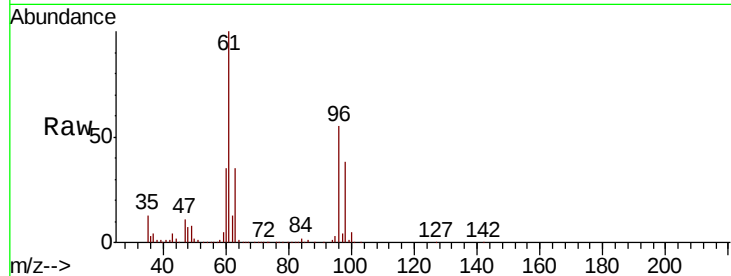
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	183248
Ion	Ratio	Lower	Upper
96	100		
61	182.4	141.6	212.4
98	69.0	47.4	71.0

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#22

Diisopropyl ether

Concen: 106.514 ug/l

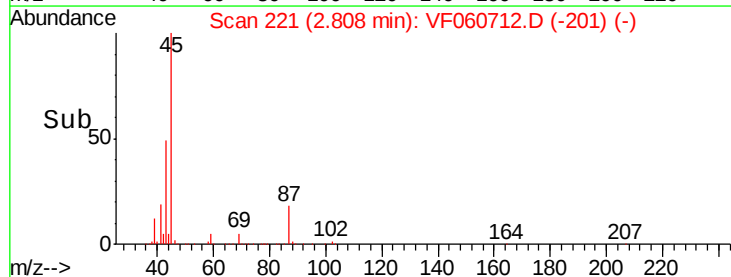
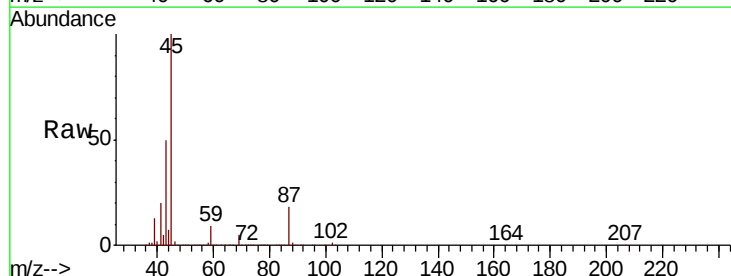
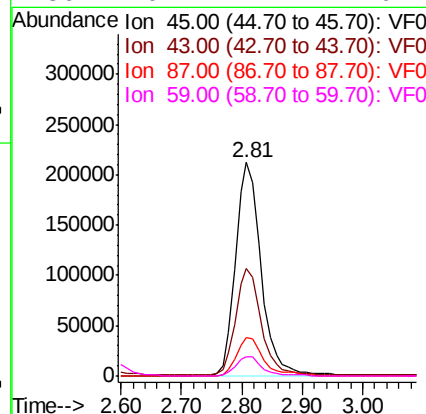
RT: 2.81 min Scan# 221

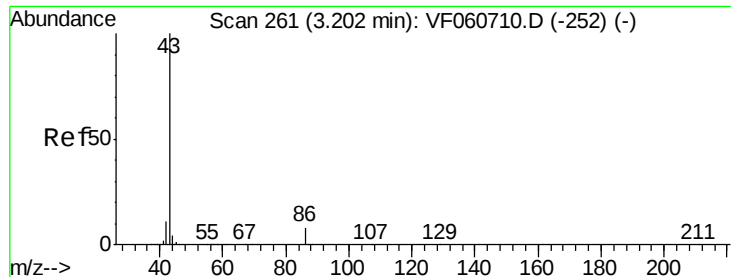
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	45	Resp:	622471
Ion	Ratio	Lower	Upper
45	100		
43	50.2	39.9	59.9
87	17.9	13.9	20.9
59	9.1	7.1	10.7





#23

Vinyl Acetate

Concen: 548.479 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1509387

Ion Ratio Lower Upper

43 100

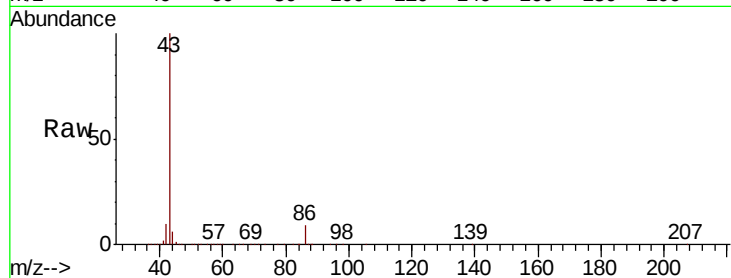
86 8.9 6.4 9.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

600000

500000

400000

300000

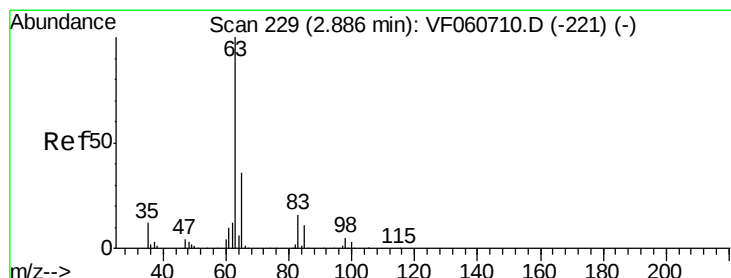
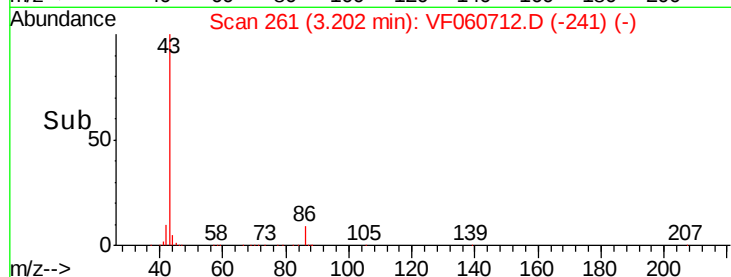
200000

100000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 109.892 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

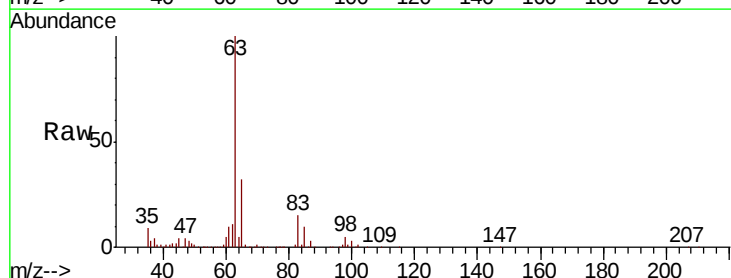
Tgt Ion: 63 Resp: 388805

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

100 3.2 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

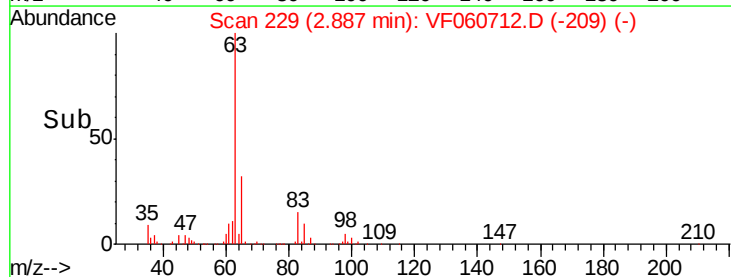
100000

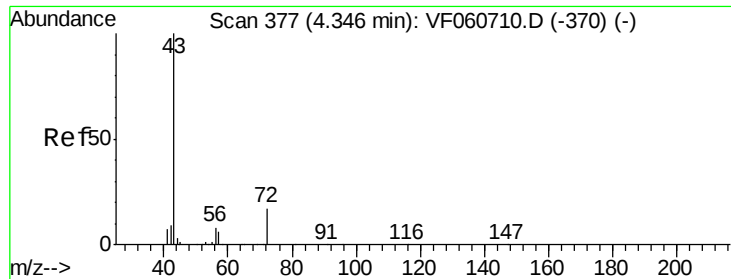
50000

0

2.70 2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 494.990 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 420393

Ion Ratio Lower Upper

43 100

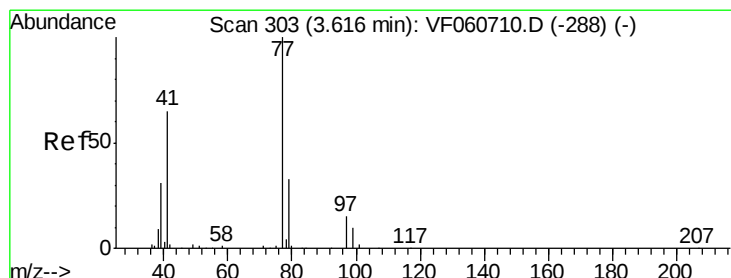
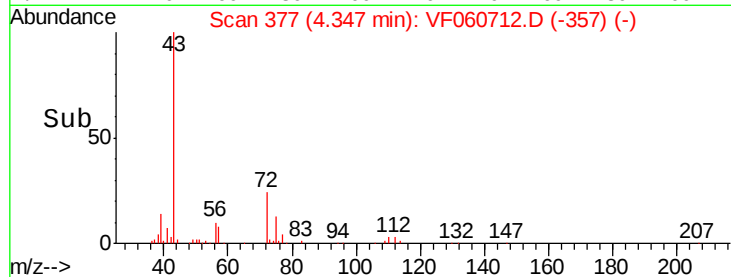
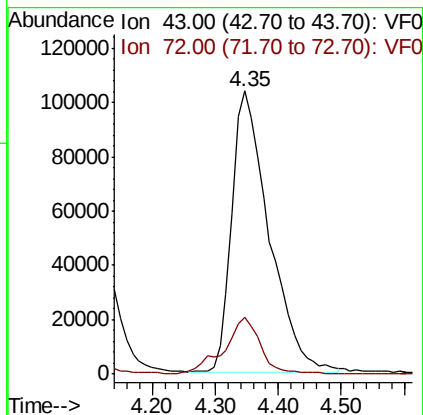
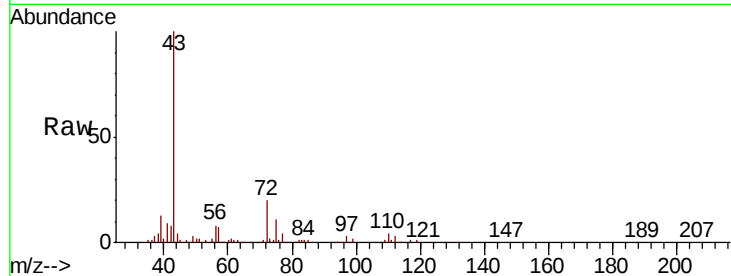
72 20.2 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 91.835 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060712.D

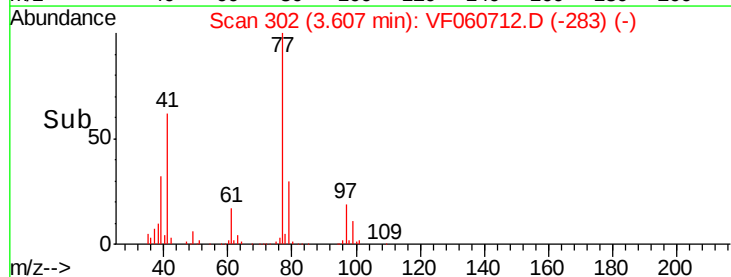
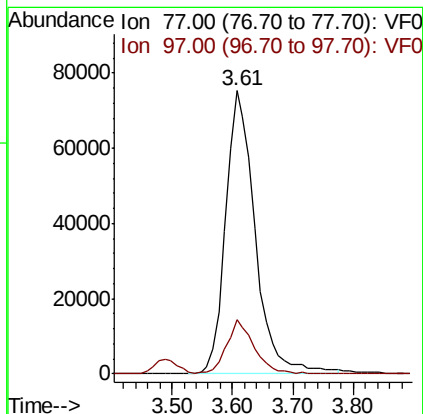
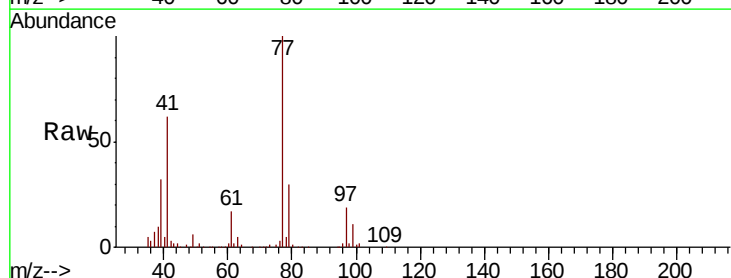
Acq: 13 Nov 2018 14:02

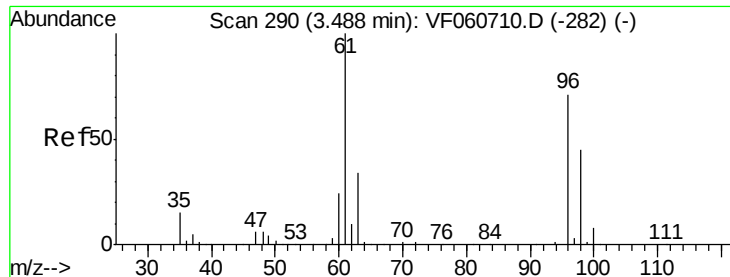
Tgt Ion: 77 Resp: 255687

Ion Ratio Lower Upper

77 100

97 19.1 8.8 26.5





#27

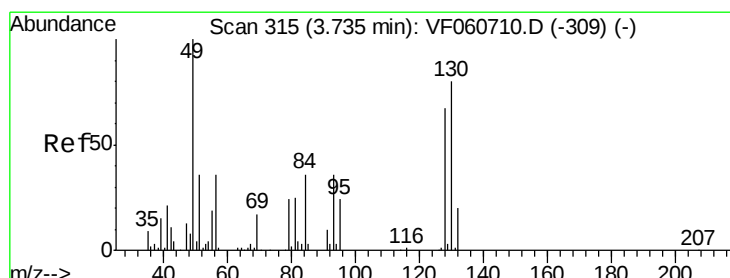
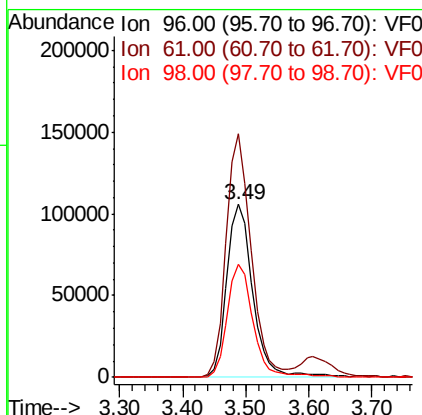
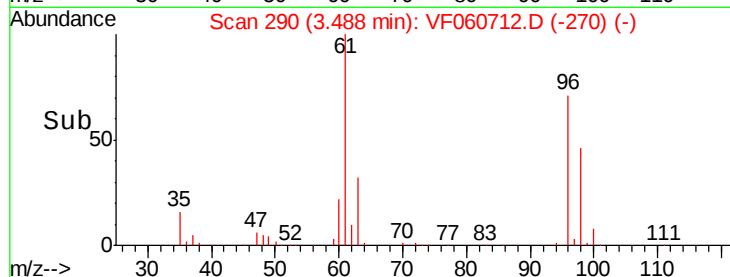
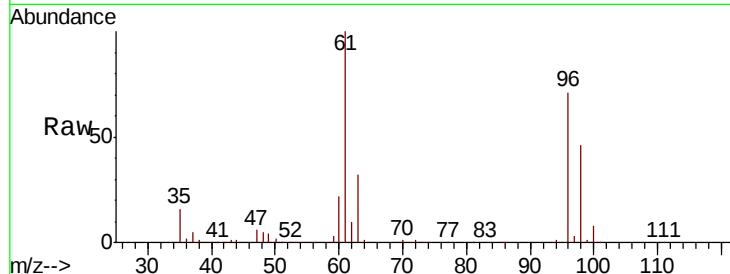
cis-1,2-Dichloroethene
Concen: 98.373 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	302099		
61	140.7		0.0	280.6
98	65.0		0.0	127.6

Manual Integrations
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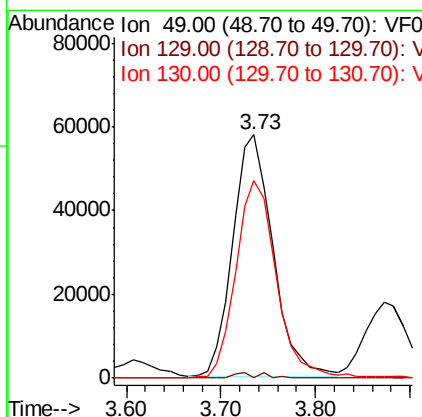
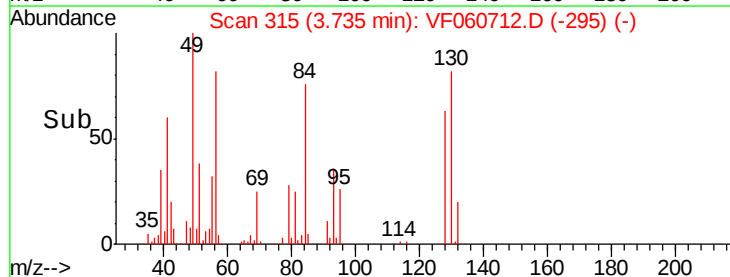
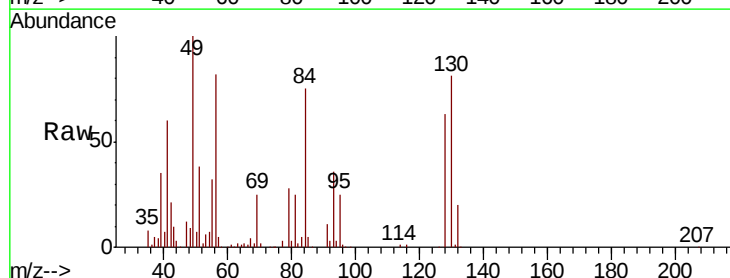
sam
11/14/2018 11:53:47 AM

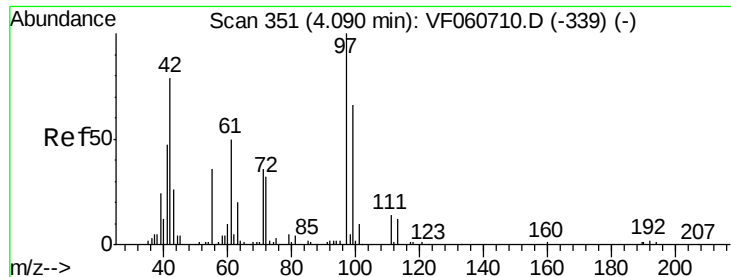


#28

Bromochloromethane
Concen: 91.938 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169050		
129	0.0		0.0	5.2
130	81.2		63.9	95.9





#29

Tetrahydrofuran

Concen: 514.686 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

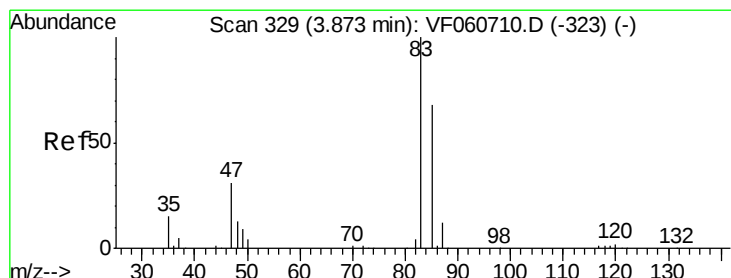
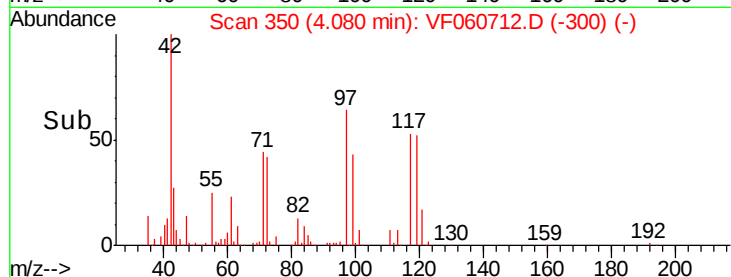
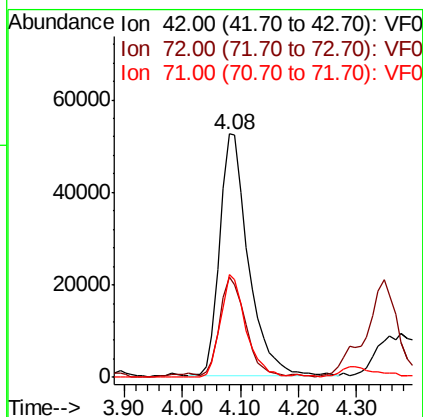
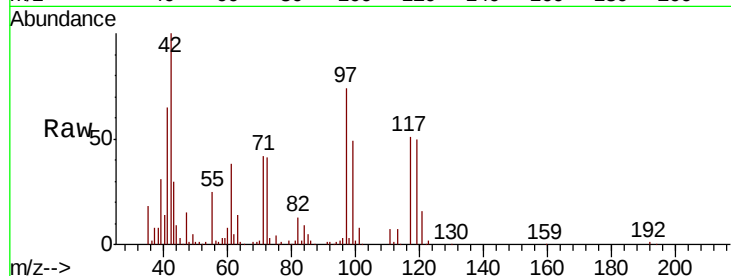
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	180305
Ion Ratio		Lower	Upper
42	100		
72	36.0	30.3	45.5
71	37.5	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 95.212 ug/l

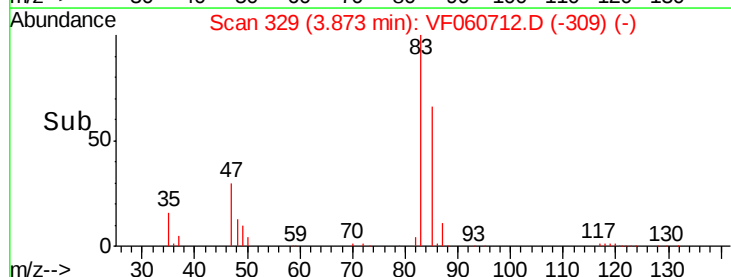
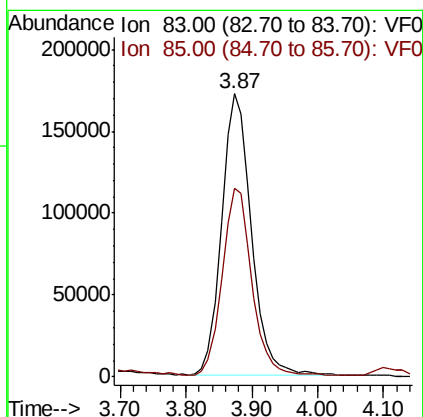
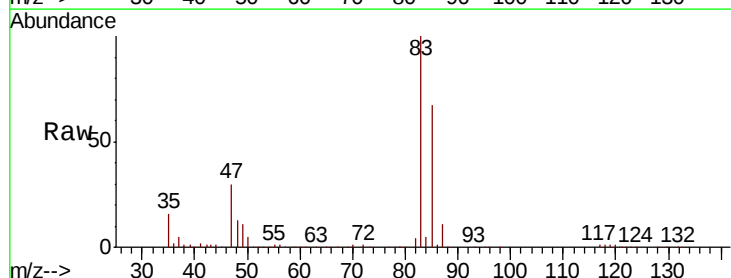
RT: 3.87 min Scan# 329

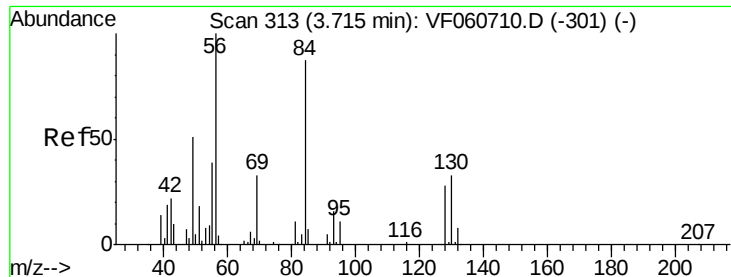
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	83	Resp:	540489
Ion Ratio		Lower	Upper
83	100		
85	66.8	54.6	82.0





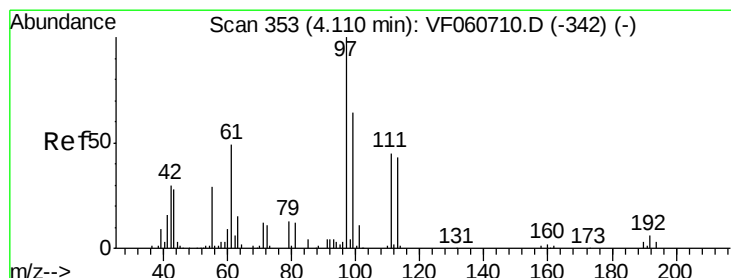
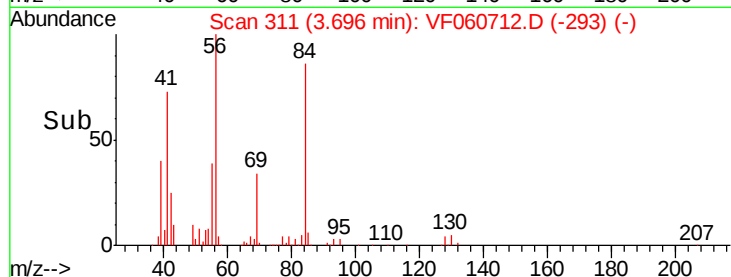
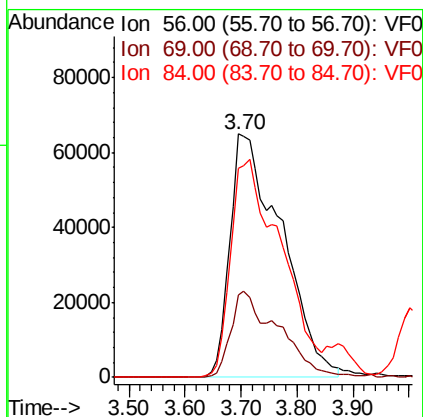
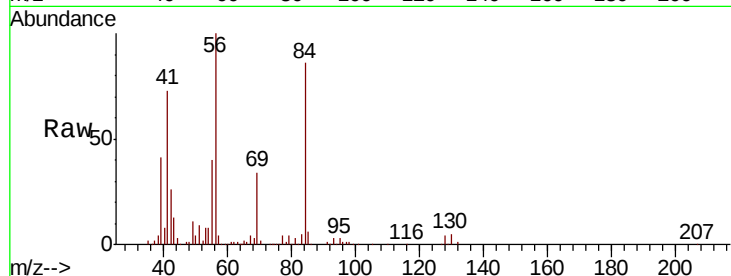
#31
Cyclohexane
Concen: 96.130 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.0	39.0
84	85.8	69.4	104.2

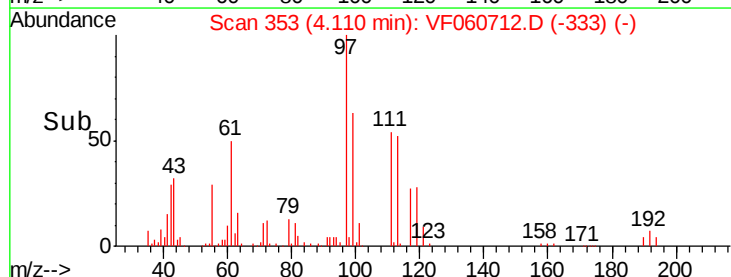
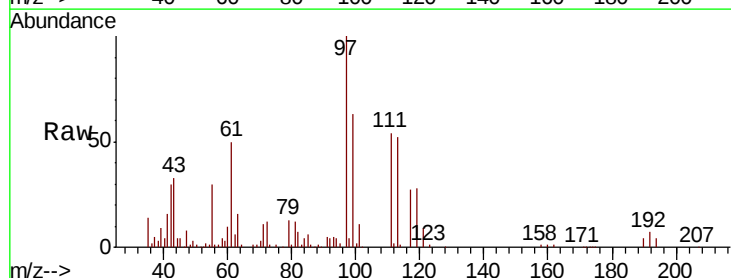
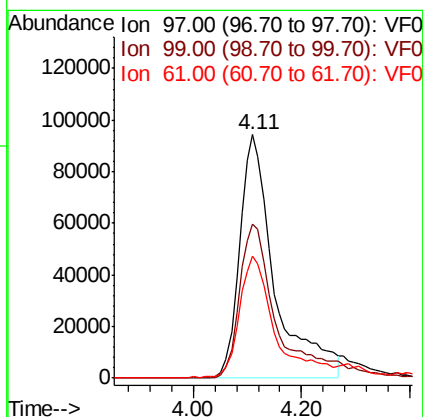
Manual Integrations
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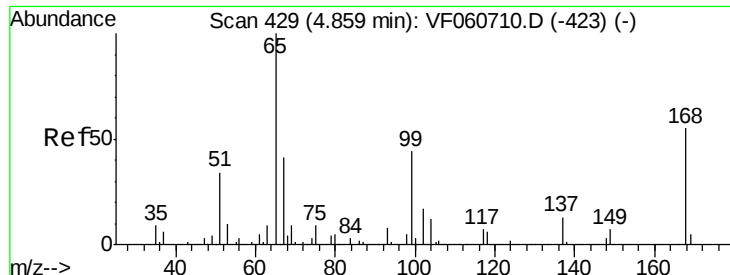
sam
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#32
1,1,1-Trichloroethane
Concen: 95.723 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	50.3	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 97.392 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tot Ion: 65 Resp: 235272

Ion Ratio Lower Upper

65 100

67 47.4 0.0 90.2

Instrument :

MSVOA_F

ClientSampleId :

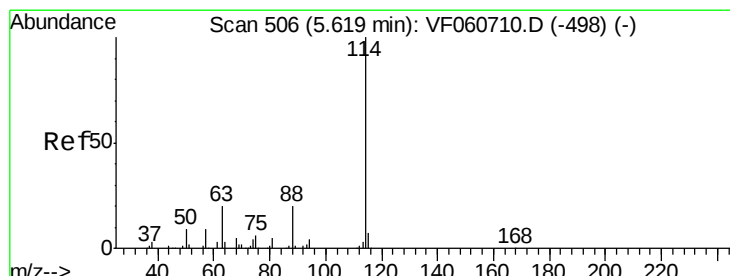
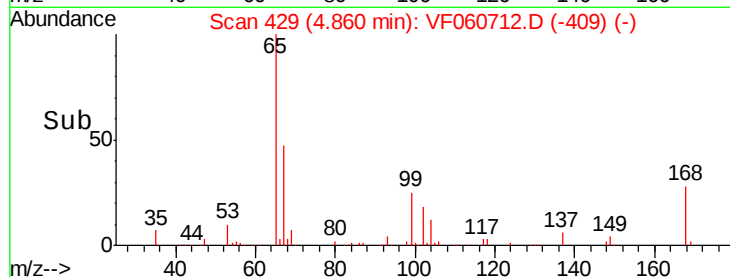
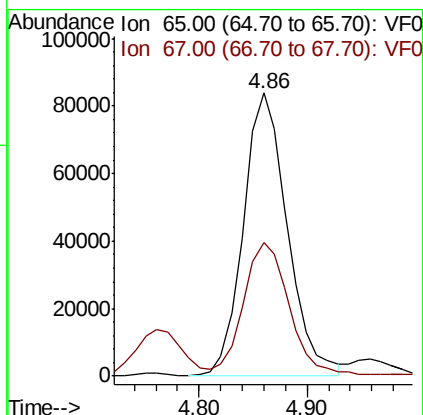
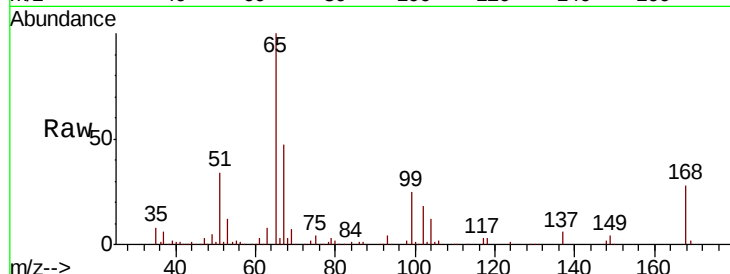
VSTDICC100

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

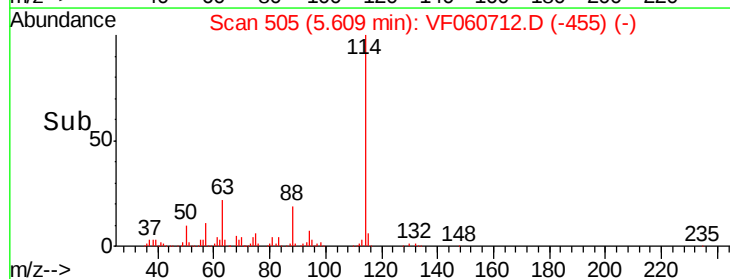
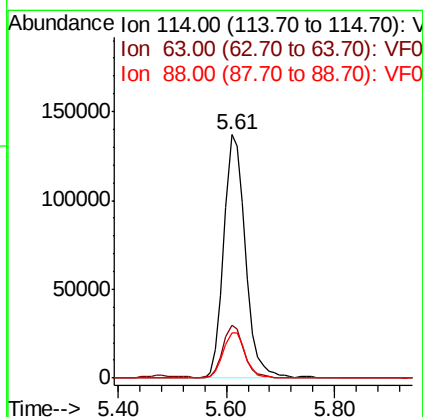
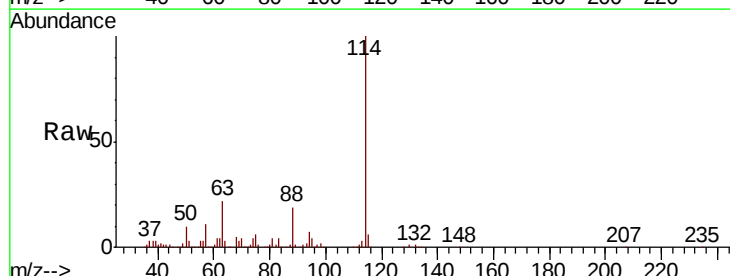
Tgt Ion: 114 Resp: 381528

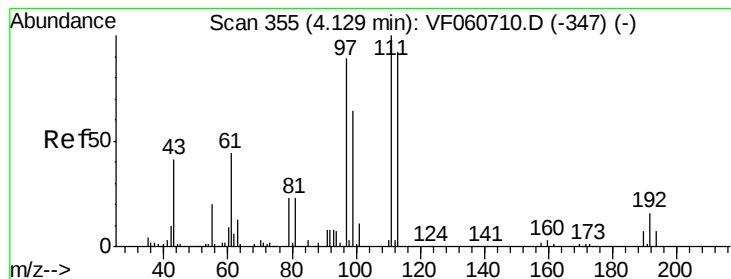
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 18.5 0.0 39.6





#35

Dibromofluoromethane

Concen: 92.088 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

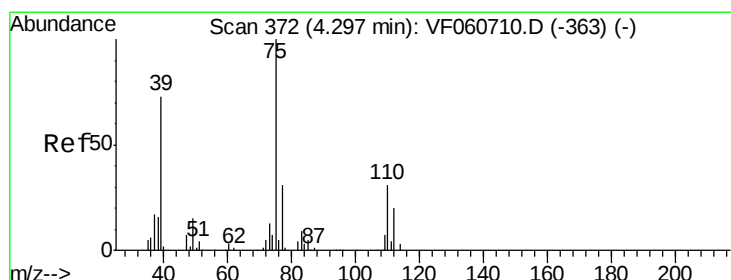
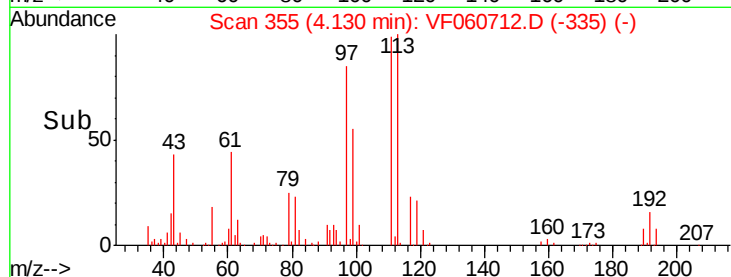
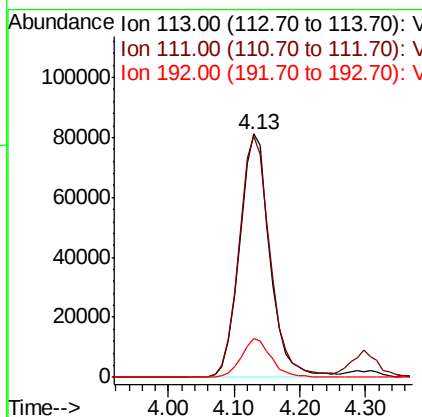
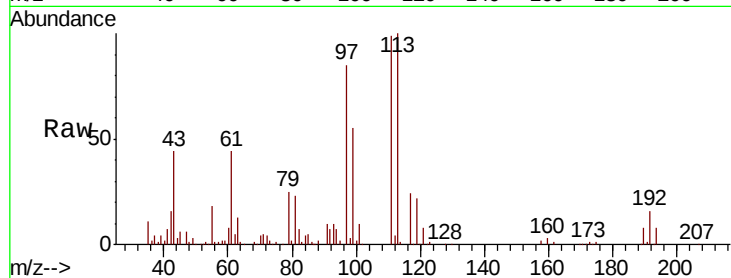
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	264101
Ion Ratio	Lower	Upper	
113	100		
111	98.9	87.1	130.7
192	15.9	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 95.486 ug/l

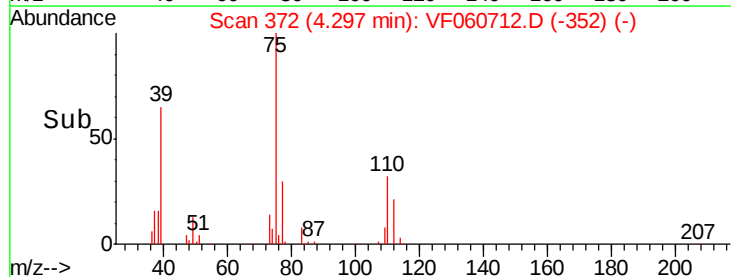
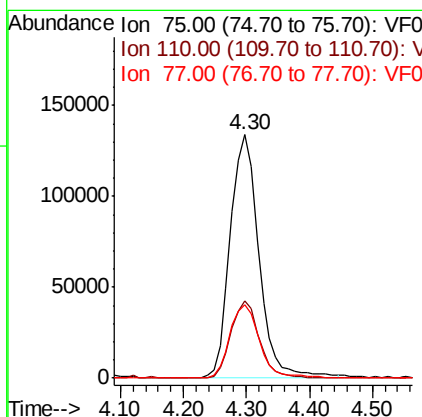
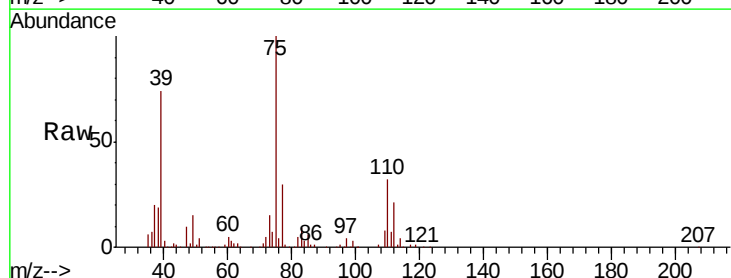
RT: 4.30 min Scan# 372

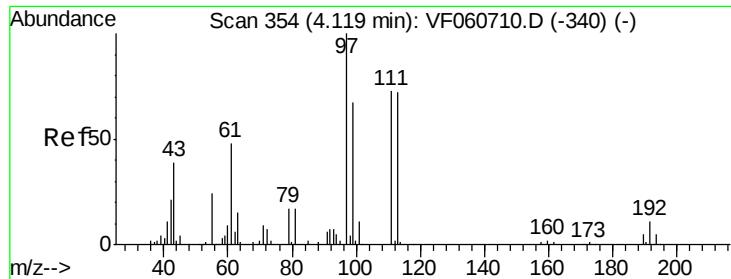
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	75	Resp:	422504
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.6	46.8
77	30.4	25.0	37.6





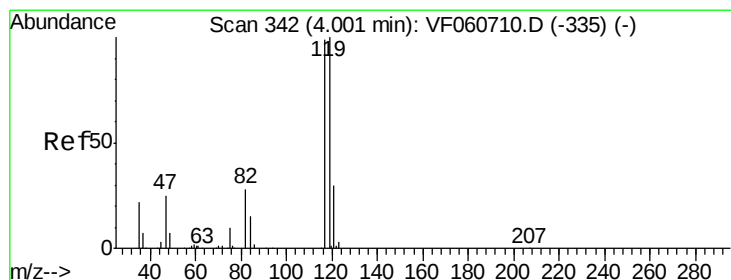
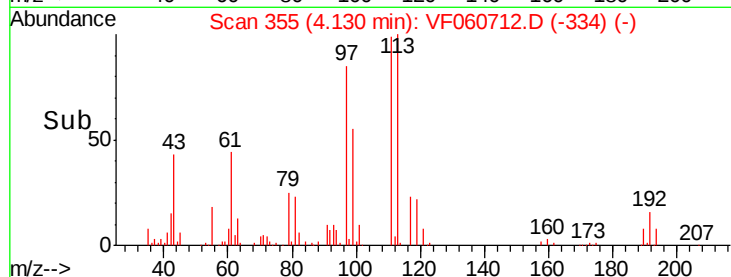
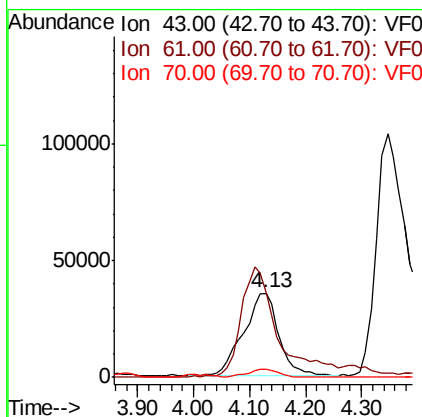
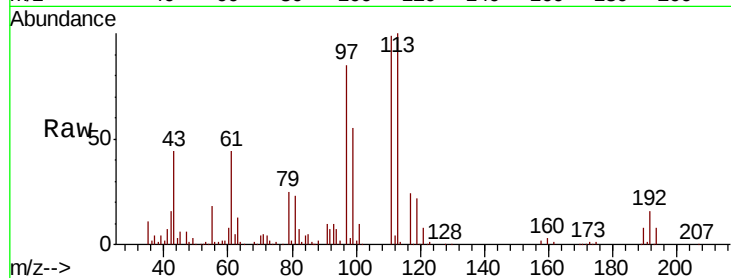
#37
Ethyl Acetate
Concen: 95.888 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	99.2	98.5	147.7
70	10.0	7.4	11.0

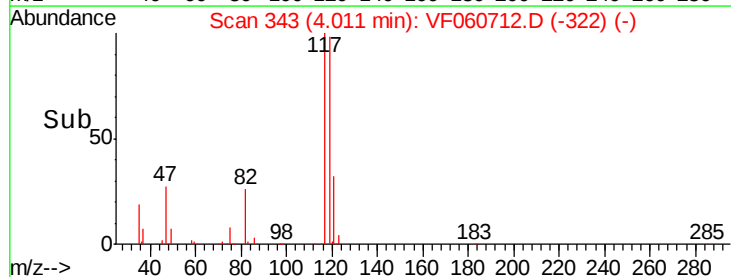
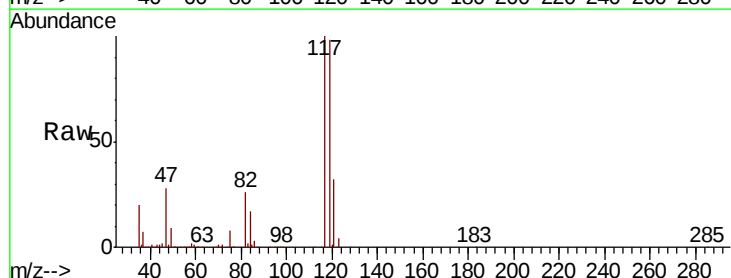
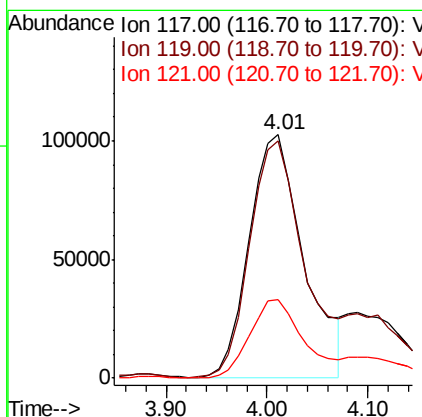
Manual Integrations
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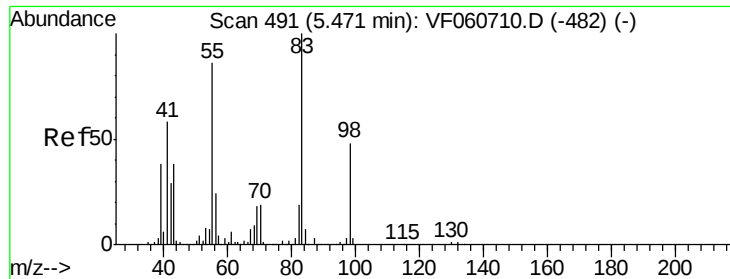
sam
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#38
Carbon Tetrachloride
Concen: 89.823 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	80.7	121.1
121	32.9	24.3	36.5





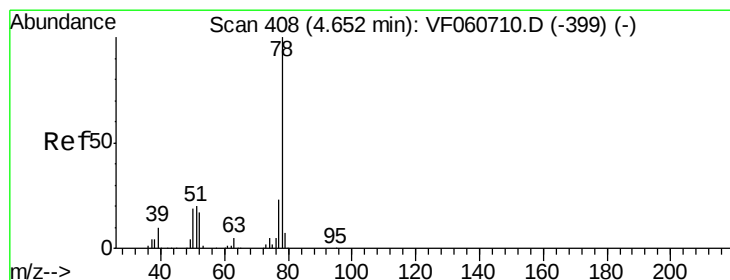
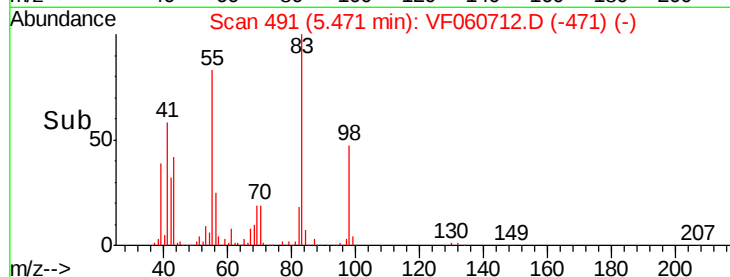
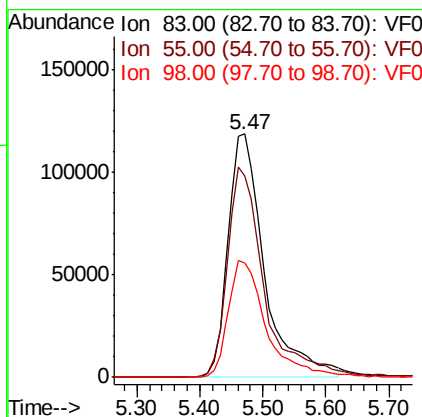
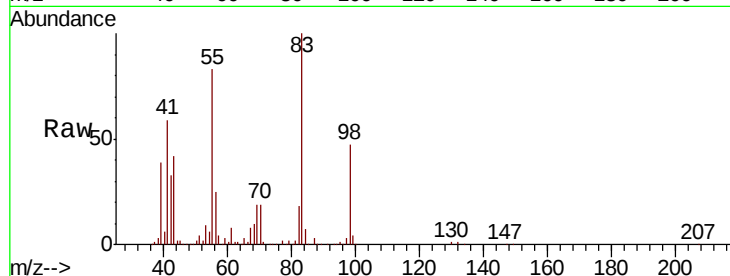
#39
Methvlcvclohexane
Concen: 92.794 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	69.0	103.4
98	47.0	38.5	57.7

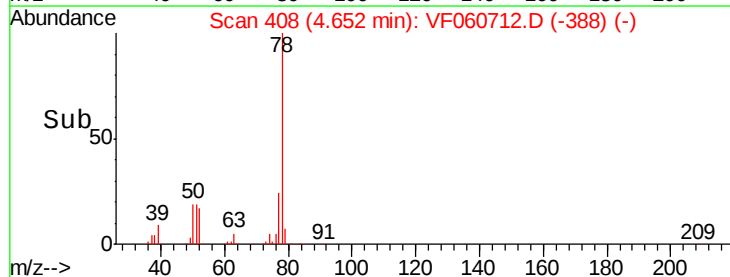
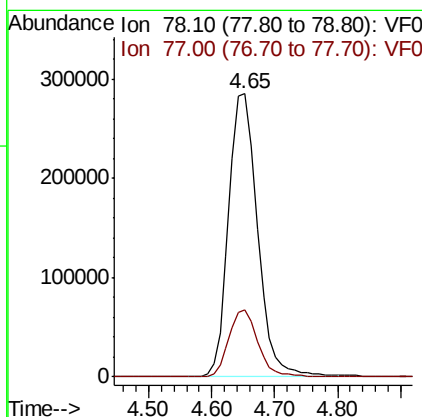
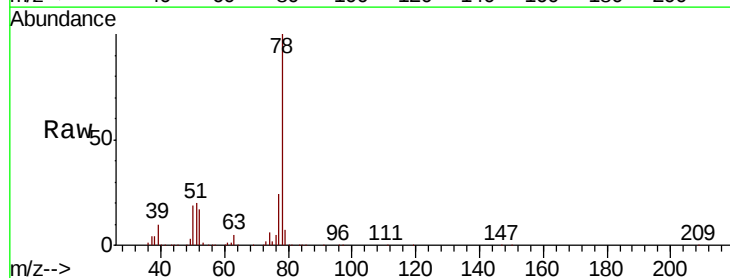
Manual Integrations
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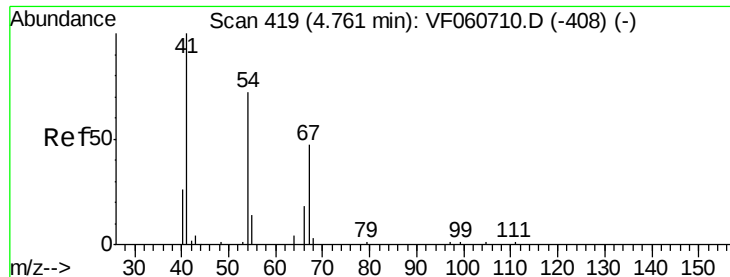
sam
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#40
Benzene
Concen: 92.332 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





#41

Methacrylonitrile

Concen: 83.941 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

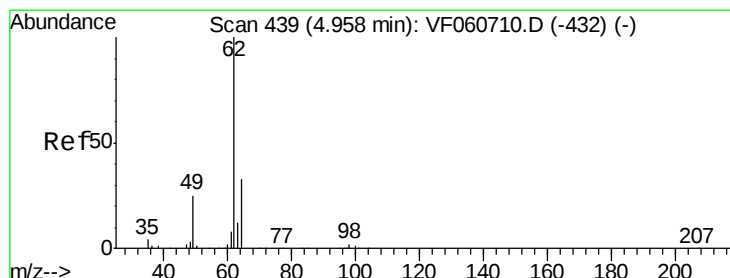
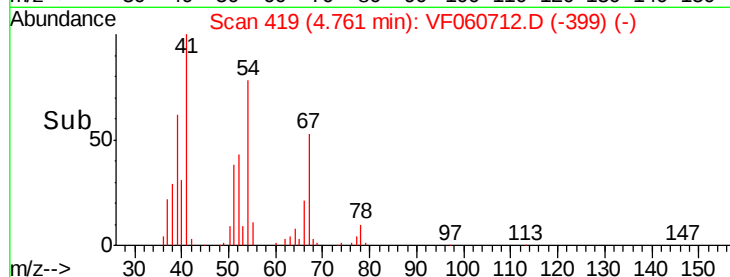
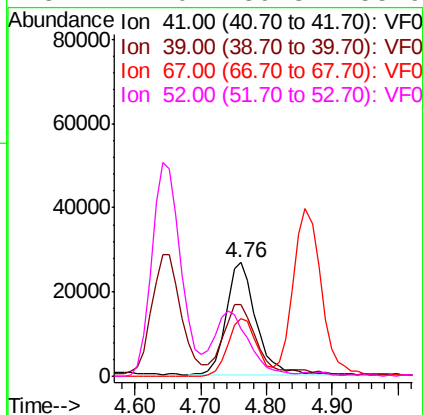
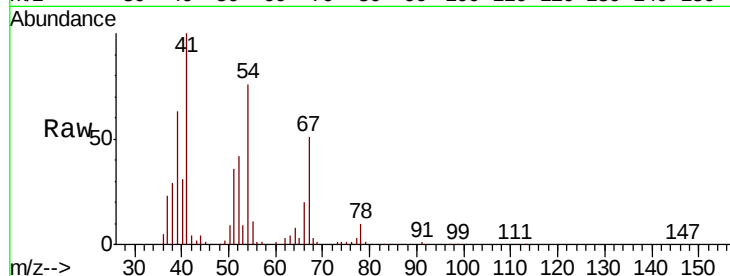
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	83652
Ion Ratio	Lower	Upper	
41	100		
39	62.7	47.1	70.7
67	51.1	37.1	55.7
52	42.0	39.3	58.9

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 98.442 ug/l

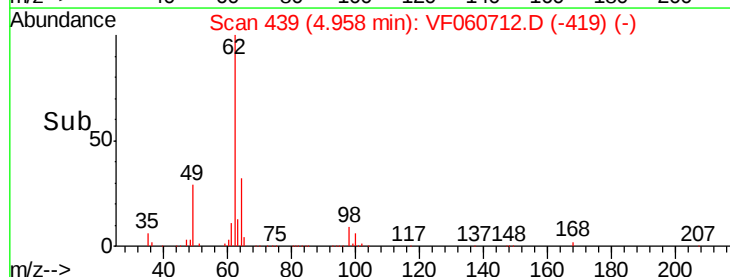
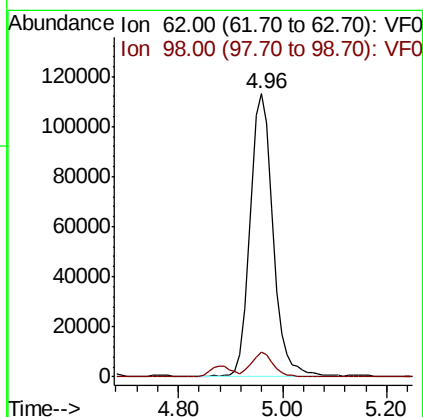
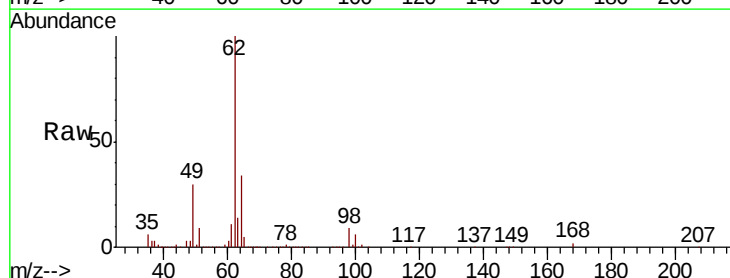
RT: 4.96 min Scan# 439

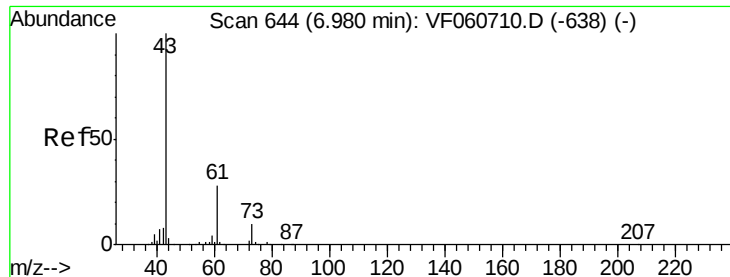
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	62	Resp:	335544
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	16.6





#43

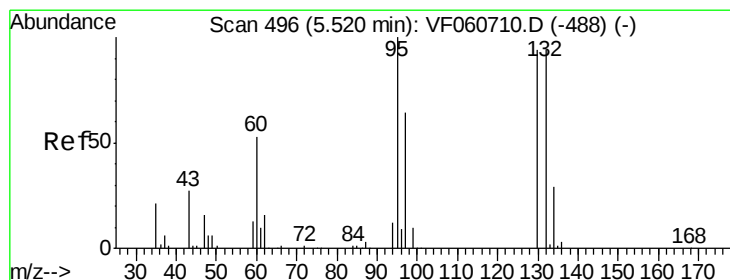
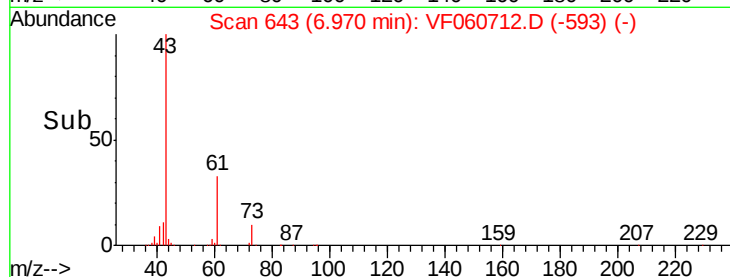
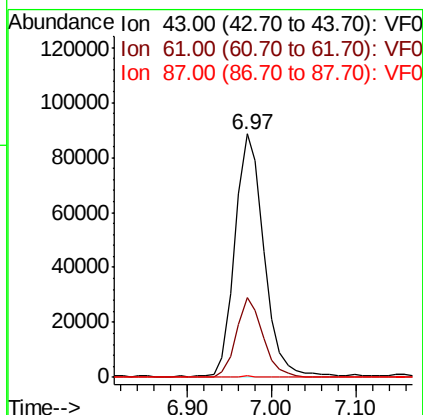
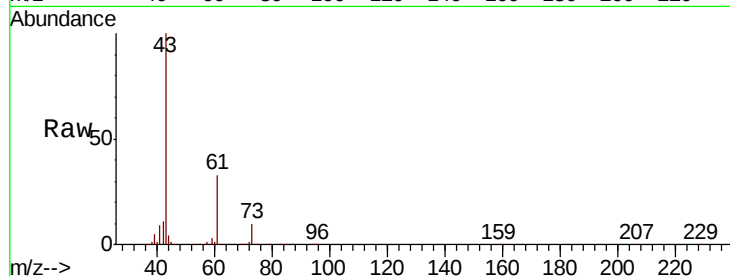
Isopropyl Acetate
 Concen: 97.201 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.7	22.2	33.4
87	0.5	0.4	0.6

Manual Integrations
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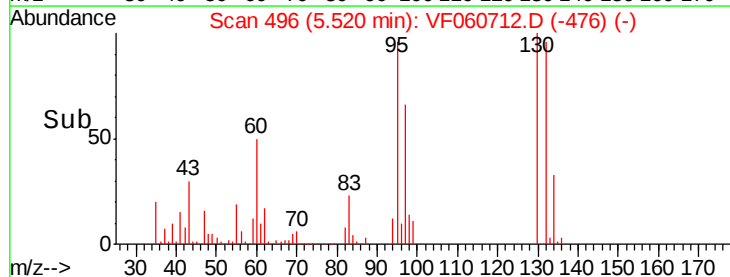
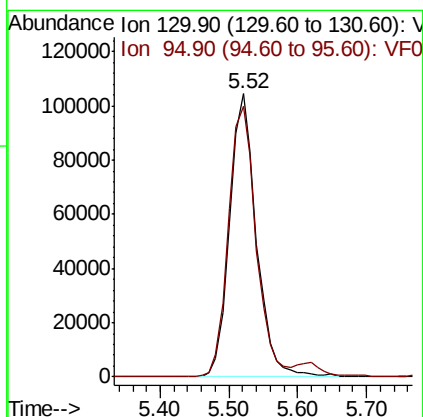
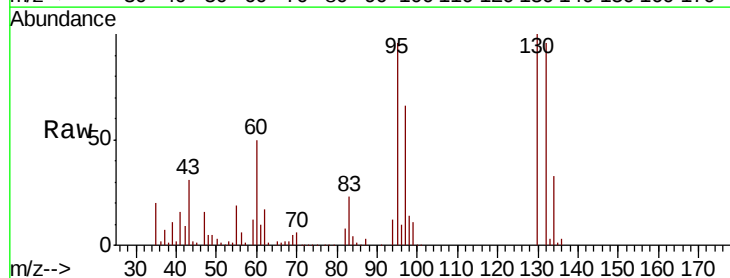
sam
 11/14/2018 11:53:47 AM

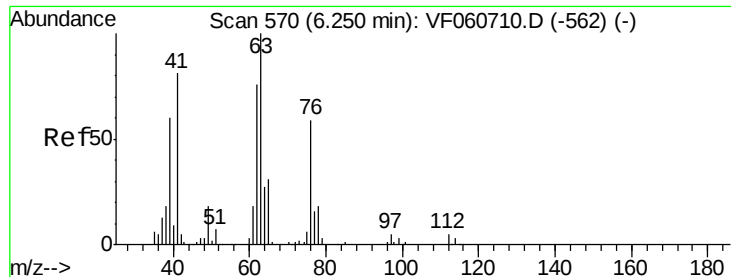


#44

Trichloroethene
 Concen: 90.487 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	212.6





#45

1,2-Dichloropropane

Concen: 89.883 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 230700

Ion Ratio Lower Upper

63 100

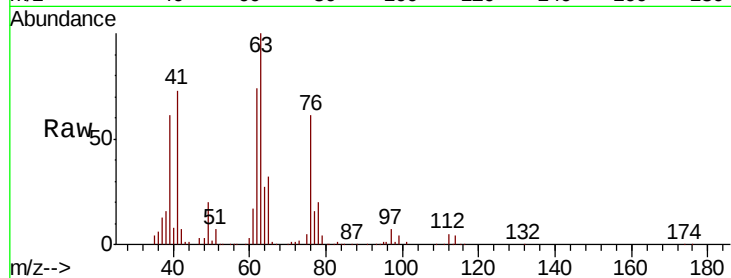
65 32.0 24.6 36.8

Manual Integrations

APPROVED

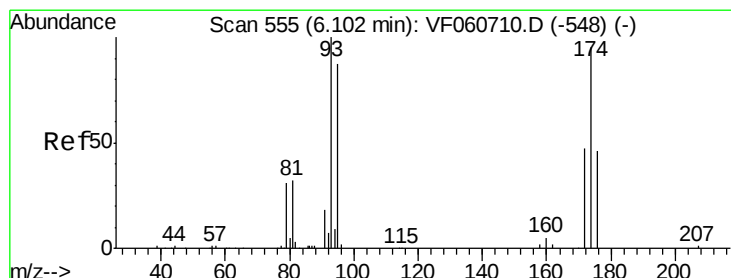
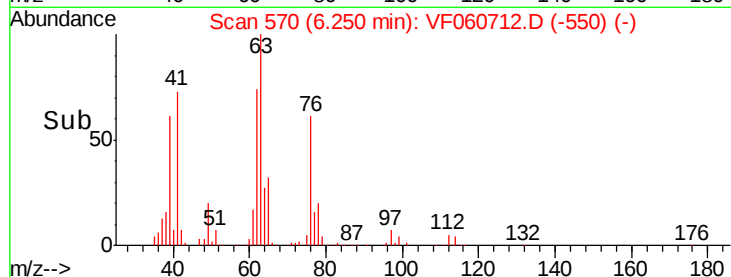
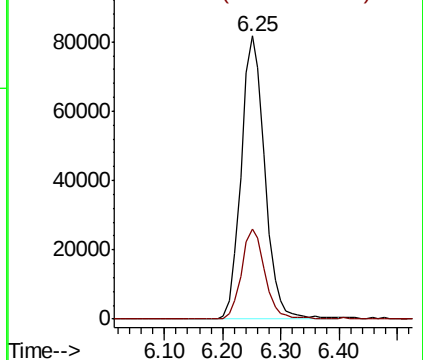
sam

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 98.413 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

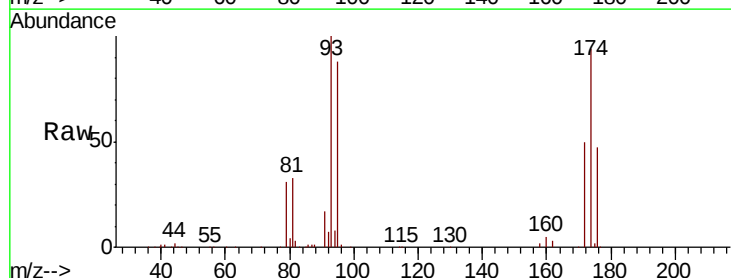
Tgt Ion: 93 Resp: 166739

Ion Ratio Lower Upper

93 100

95 87.9 69.5 104.3

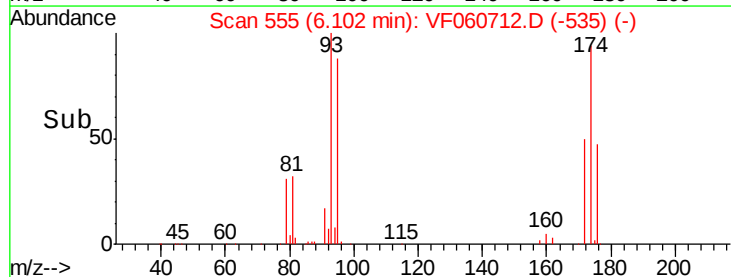
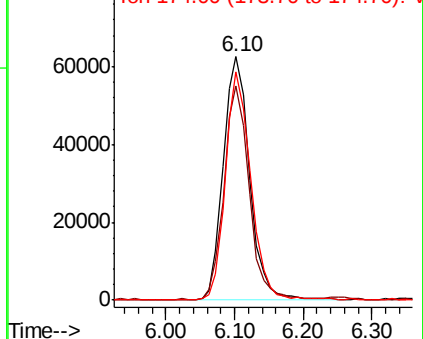
174 93.9 76.2 114.2

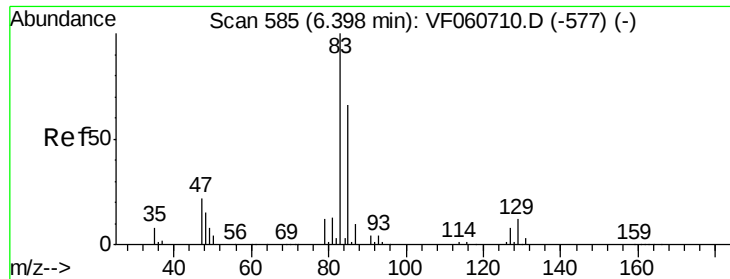


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 95.645 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

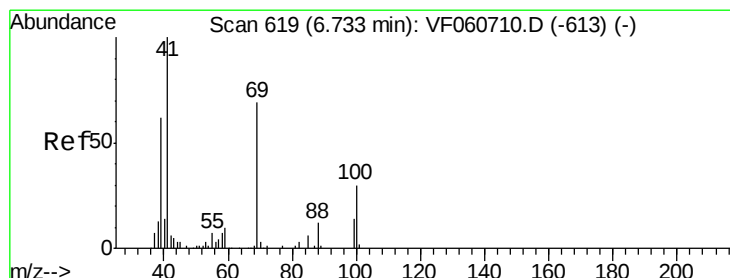
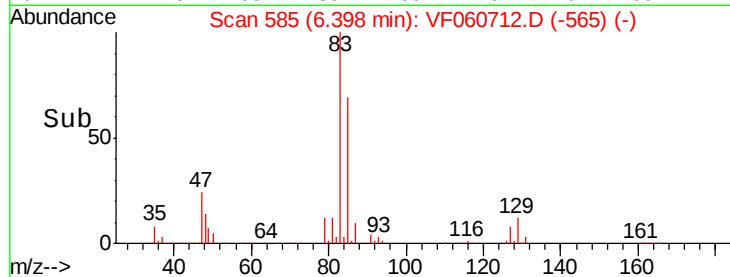
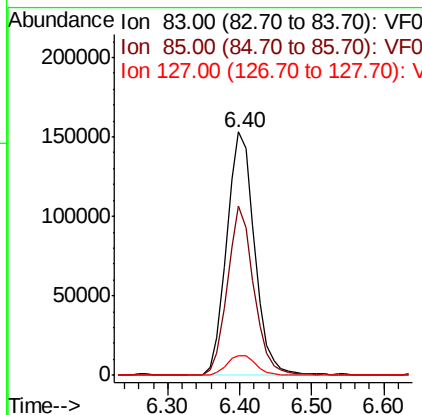
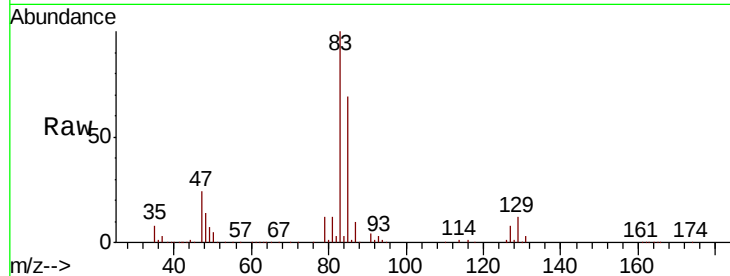
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	413812
Ion Ratio	Lower	Upper	
83	100		
85	69.3	52.4	78.6
127	8.3	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 94.183 ug/l

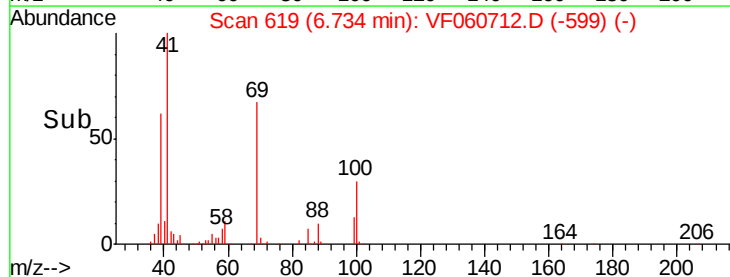
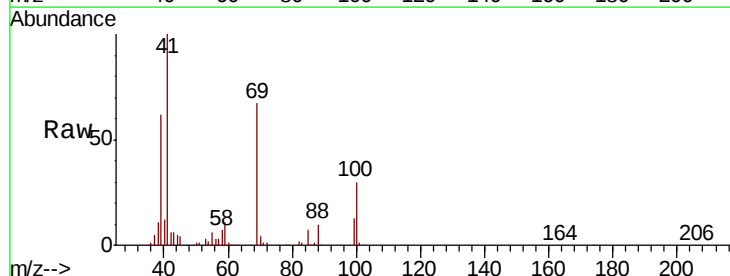
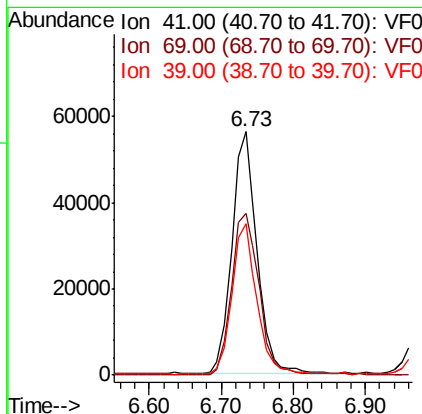
RT: 6.73 min Scan# 619

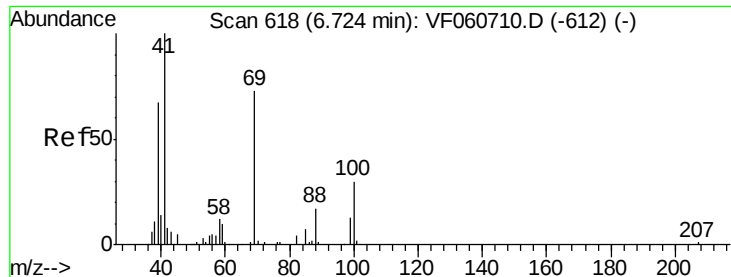
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	41	Resp:	135954
Ion Ratio	Lower	Upper	
41	100		
69	66.7	54.9	82.3
39	62.2	49.6	74.4





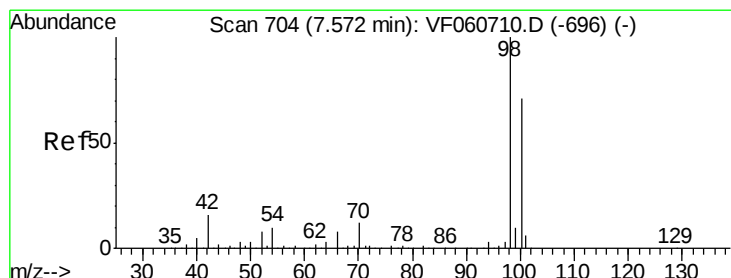
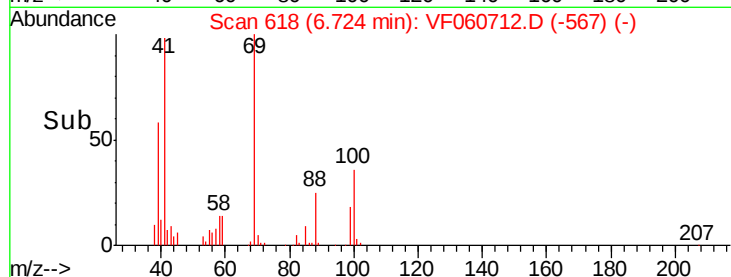
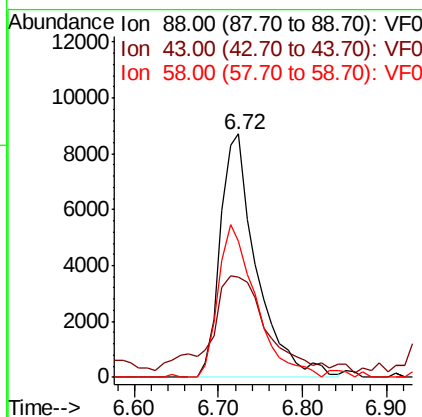
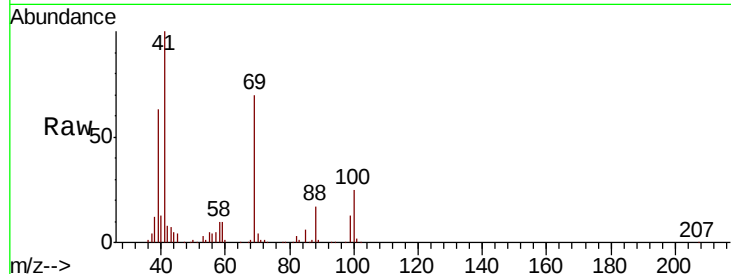
#49
1,4-Dioxane
Concen: 1936.775 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	41.2		44.6	66.8#
58	55.9		54.5	81.7

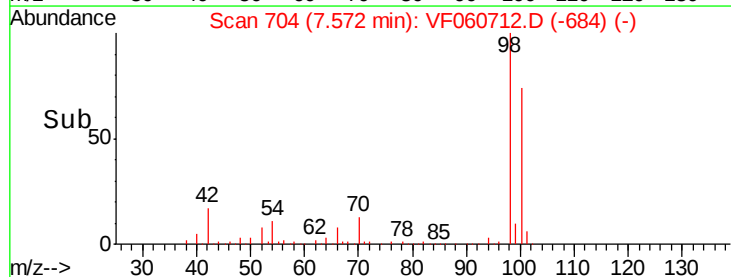
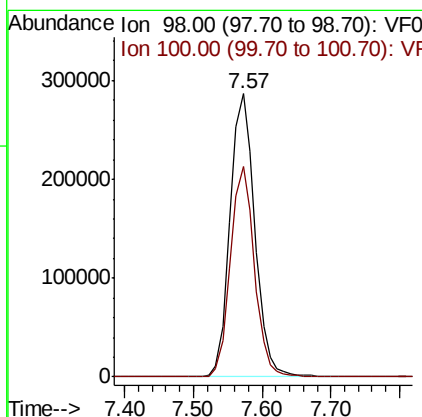
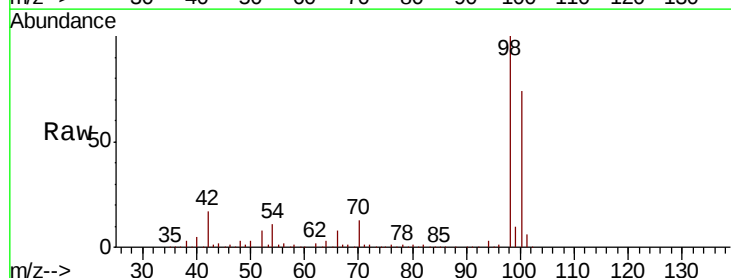
Manual Integrations
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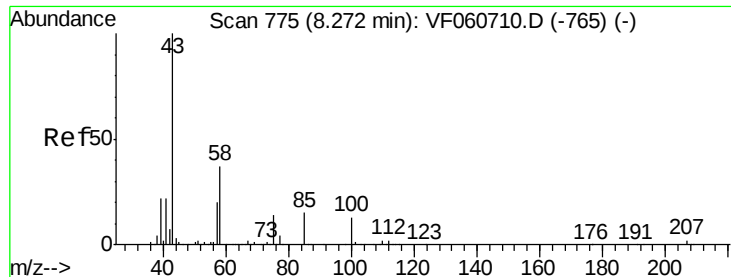
sam
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#50
Toluene-d8
Concen: 86.538 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	74.3		56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 456.185 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 719632

Ion Ratio Lower Upper

43 100

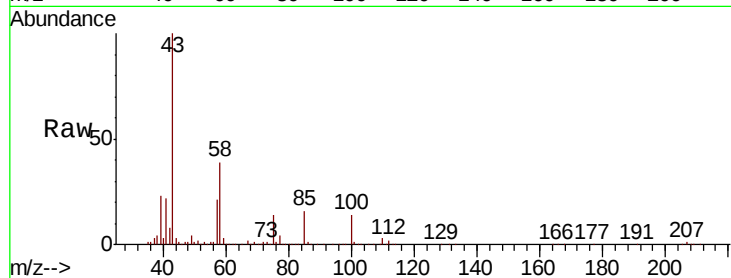
58 39.0 29.2 43.8

Manual Integrations

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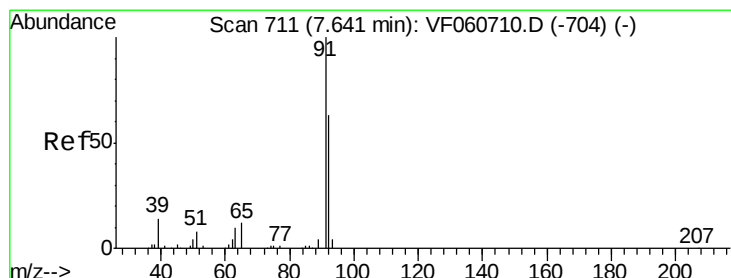
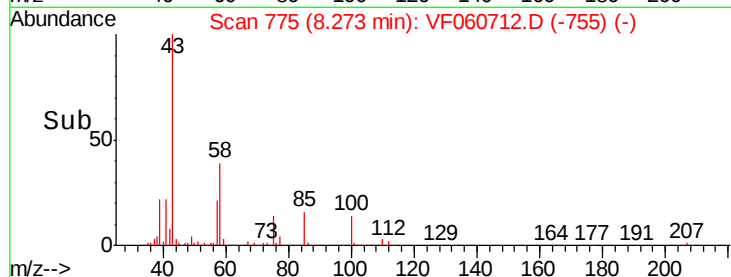
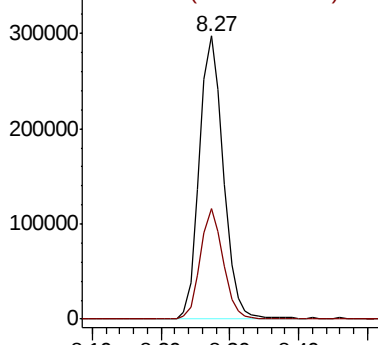
sam

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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: 88.318 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060712.D

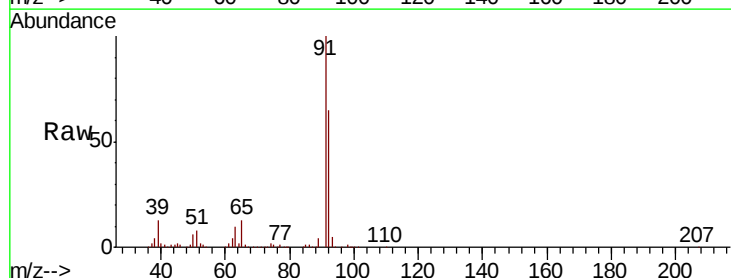
Acq: 13 Nov 2018 14:02

Tgt Ion: 92 Resp: 583763

Ion Ratio Lower Upper

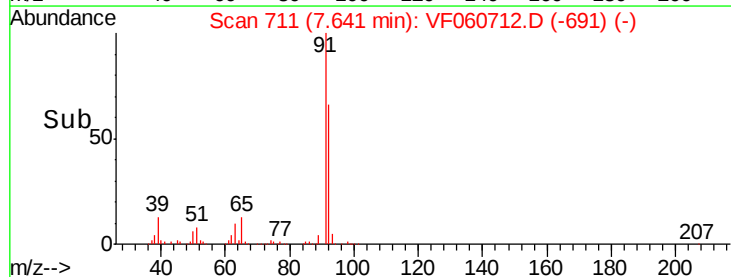
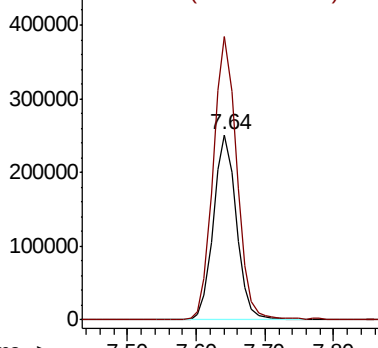
92 100

91 152.8 126.7 190.1



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: 89.909 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 311561

Ion Ratio Lower Upper

75 100

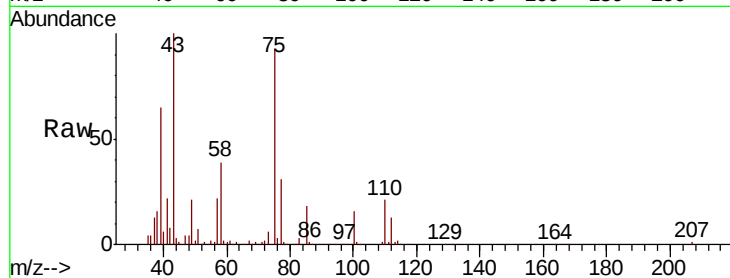
77 33.0 24.6 36.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

150000

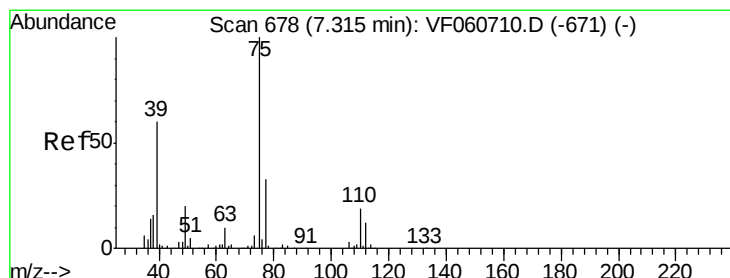
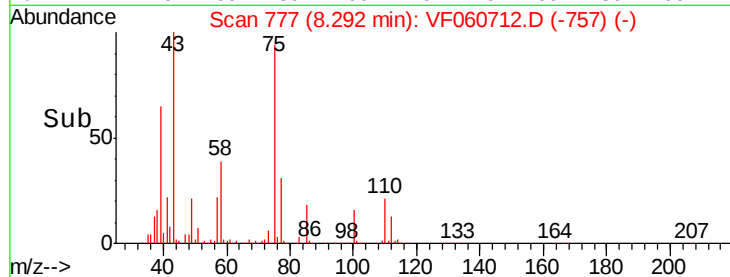
100000

50000

0

8.10 8.20 8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 101.324 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

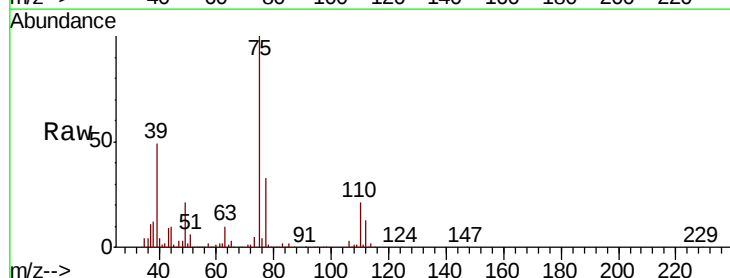
Tgt Ion: 75 Resp: 456084

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7

39 49.4 48.5 72.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300000

250000

200000

150000

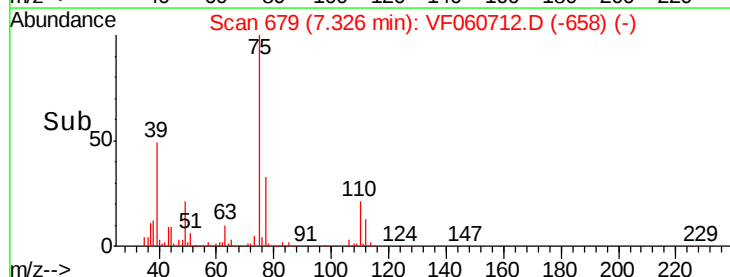
100000

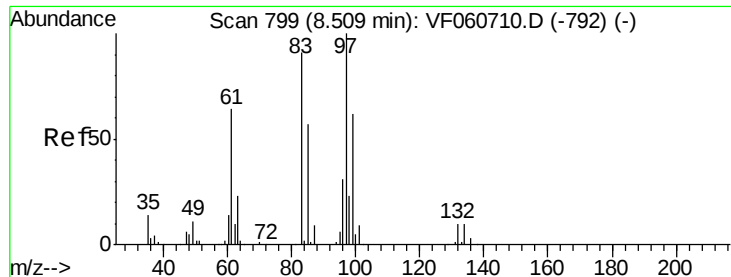
50000

0

7.20 7.30 7.40 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 92.285 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 174283

Ion Ratio Lower Upper

97 100

83 86.1 72.8 109.2

85 57.3 45.8 68.6

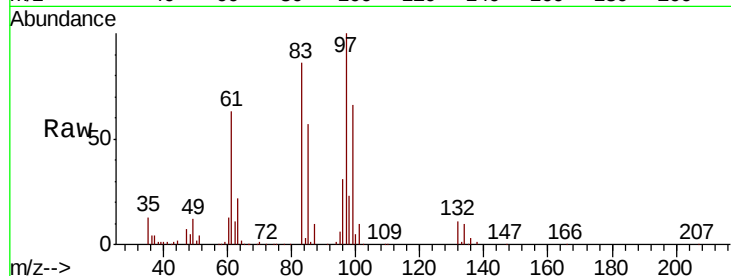
99 65.5 49.4 74.0

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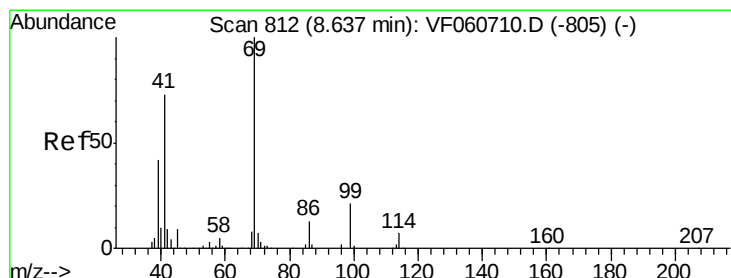
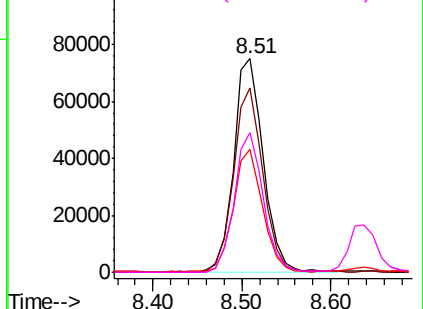
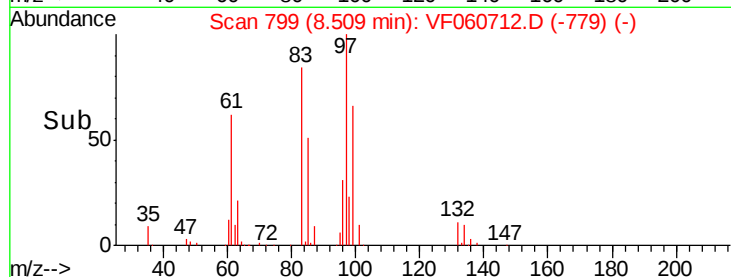


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 88.970 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

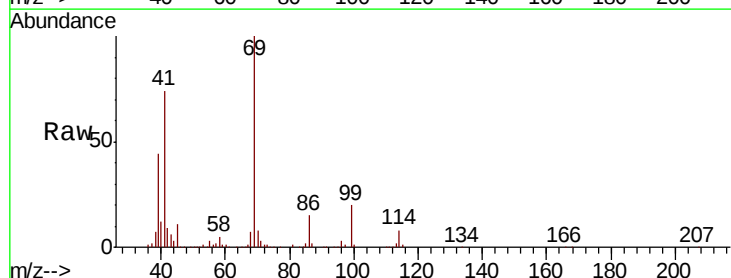
Tgt Ion: 69 Resp: 190824

Ion Ratio Lower Upper

69 100

41 74.5 59.0 88.6

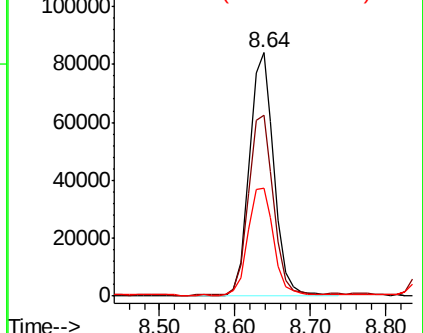
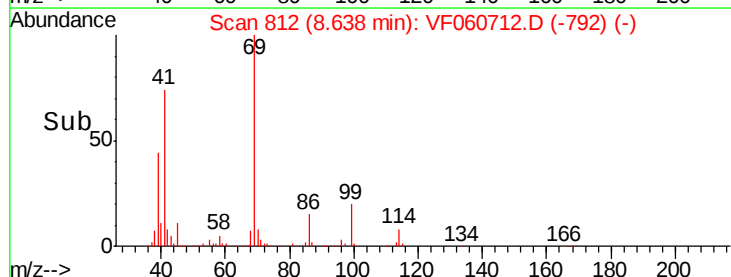
39 44.4 34.0 51.0

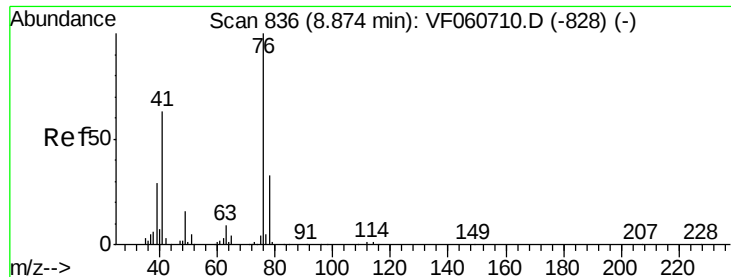


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 92.143 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 301581

Ion Ratio Lower Upper

76 100

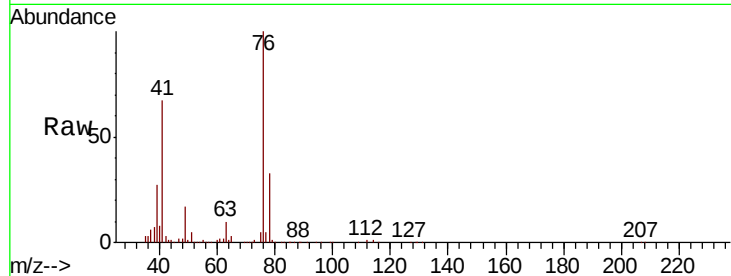
78 32.6 26.6 39.8

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150000

100000

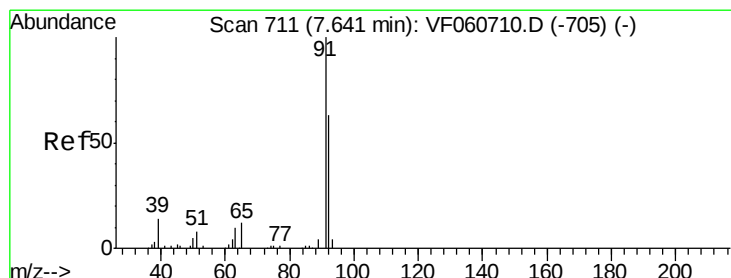
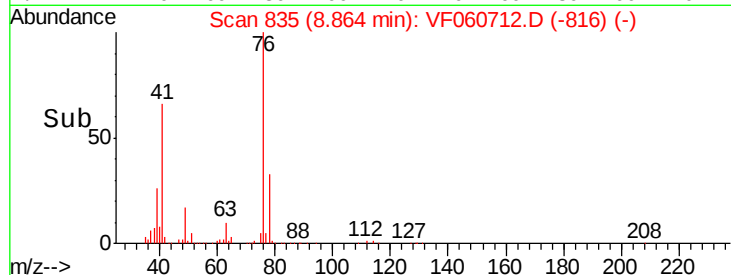
50000

0

8.86

8.70 8.80 8.90 9.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 458.687 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060712.D

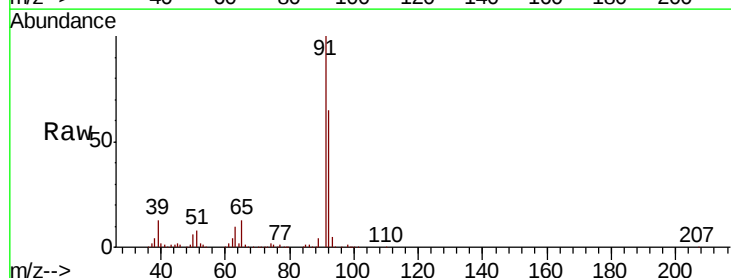
Acq: 13 Nov 2018 14:02

Tgt Ion: 63 Resp: 89869

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

40000

30000

20000

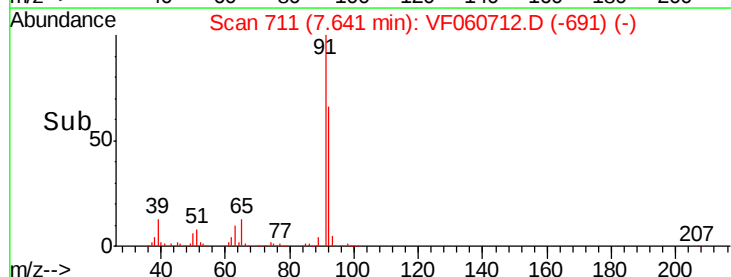
10000

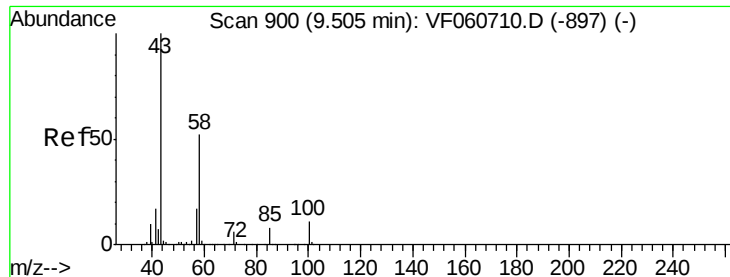
0

7.64

7.50 7.60 7.70 7.80

Time-->





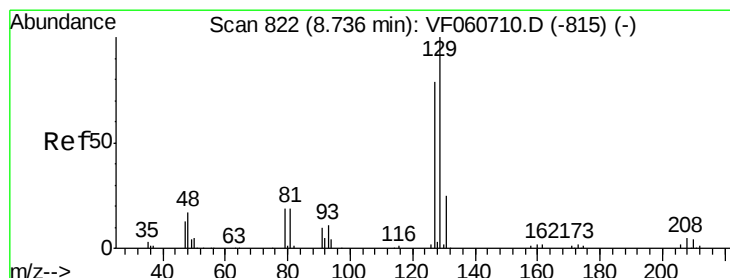
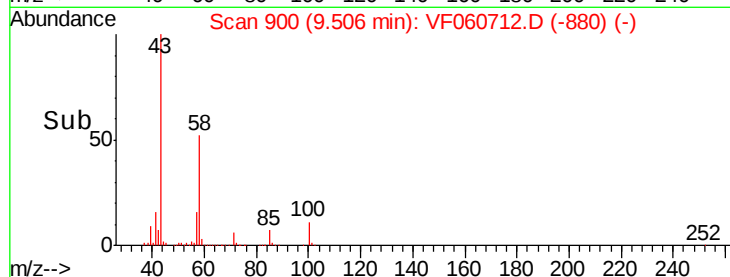
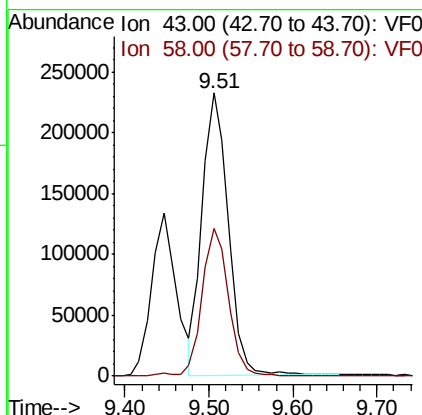
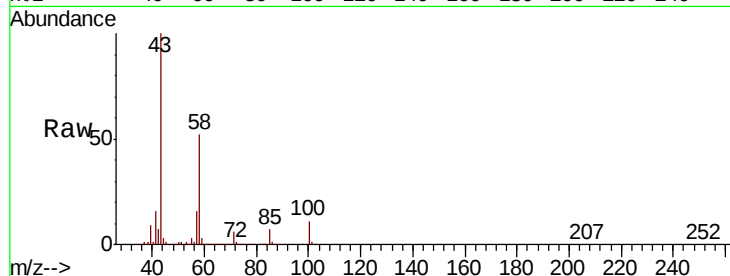
#59
2-Hexanone
Concen: 450.465 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 499393
Ion Ratio Lower Upper
43 100
58 52.2 24.9 74.7

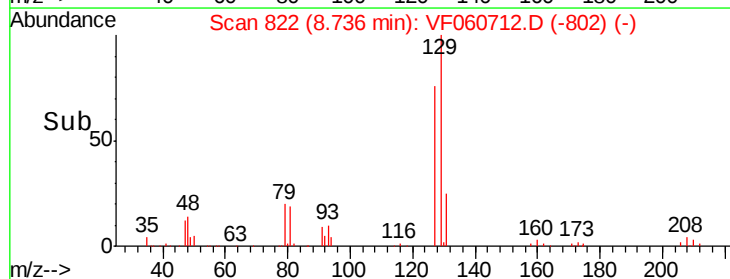
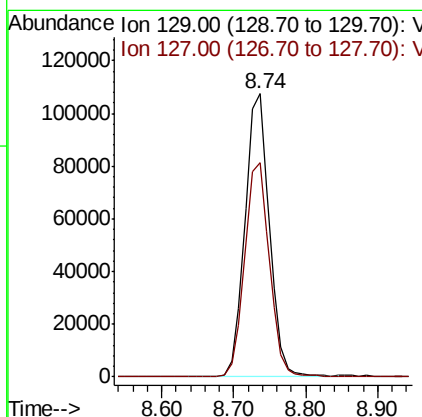
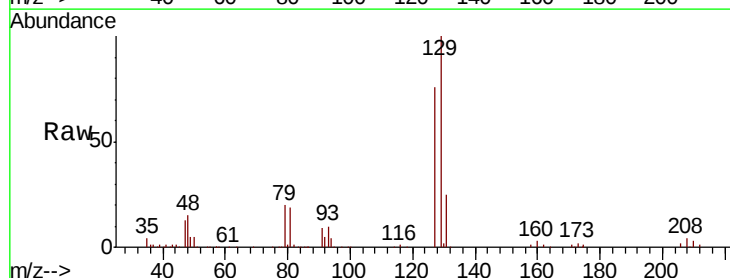
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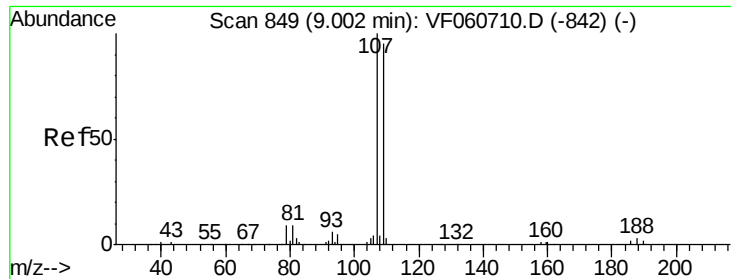
sam
11/14/2018 11:53:47 AM



#60
Dibromochloromethane
Concen: 95.127 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion: 129 Resp: 256036
Ion Ratio Lower Upper
129 100
127 75.8 39.7 119.1





#61

1,2-Dibromoethane

Concen: 95.259 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 189200

Ion Ratio Lower Upper

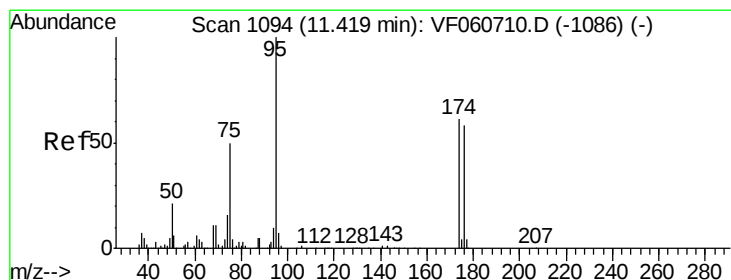
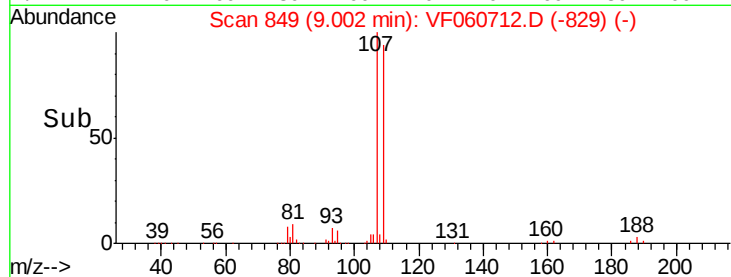
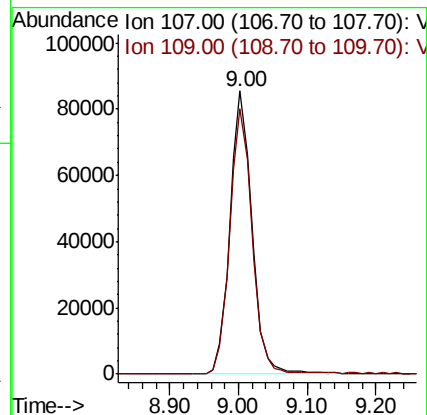
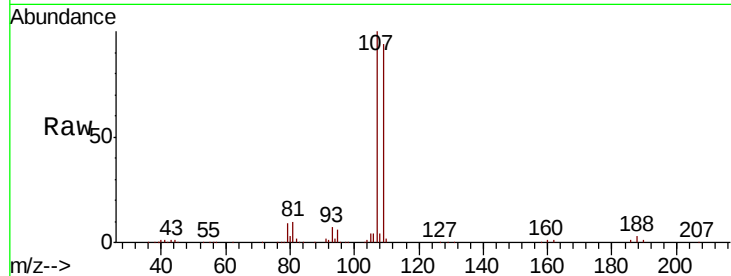
107 100

109 93.9 75.9 113.9

Manual Integrations
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sam

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#62

4-Bromofluorobenzene

Concen: 83.562 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

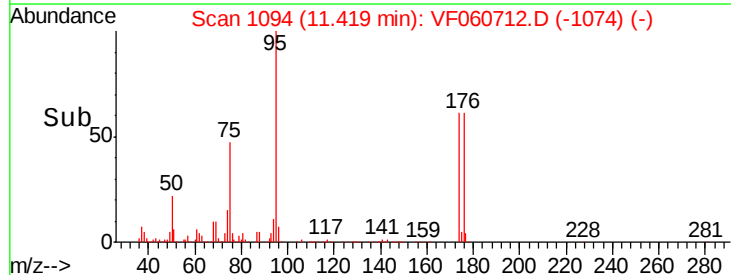
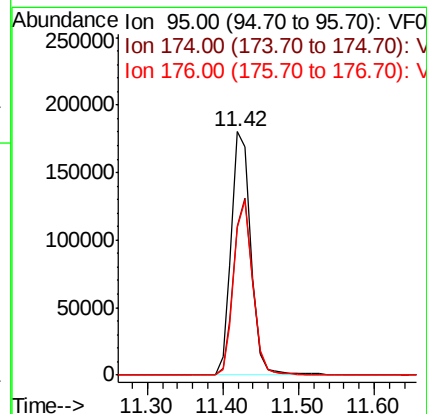
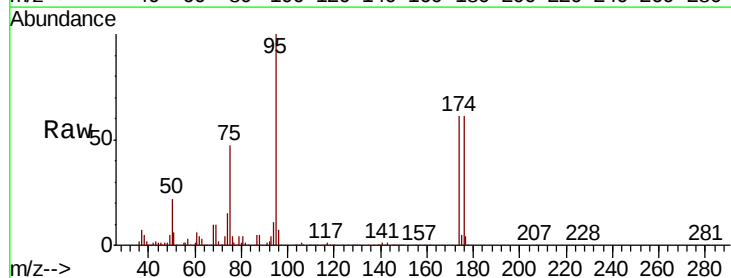
Tgt Ion: 95 Resp: 323778

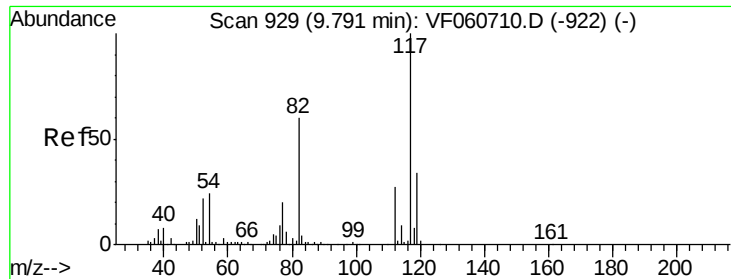
Ion Ratio Lower Upper

95 100

174 61.3 0.0 121.6

176 60.8 0.0 115.2





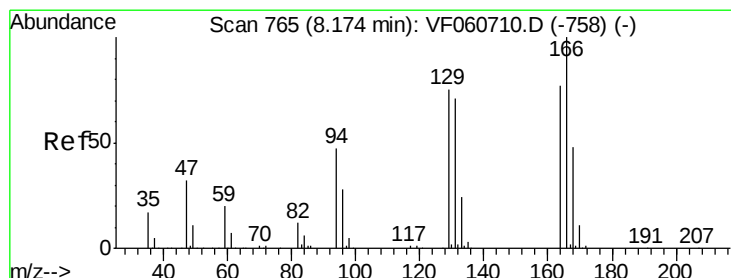
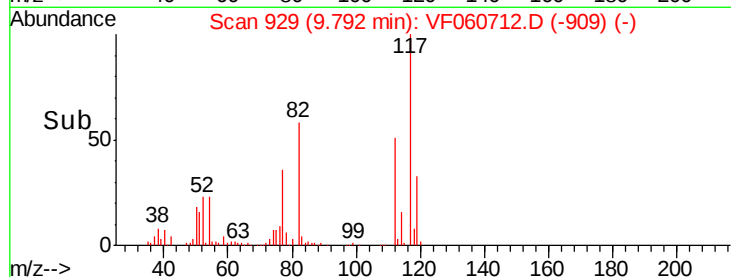
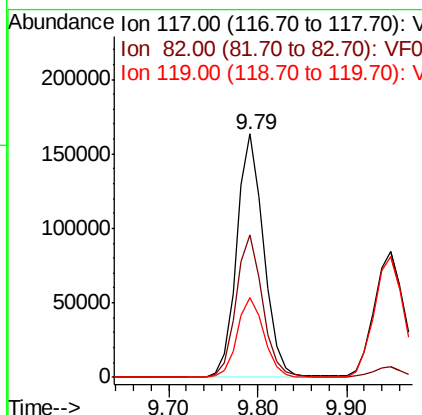
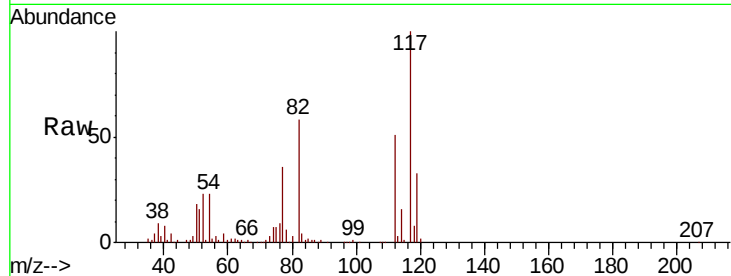
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.9	71.9
119	33.0	26.8	40.2

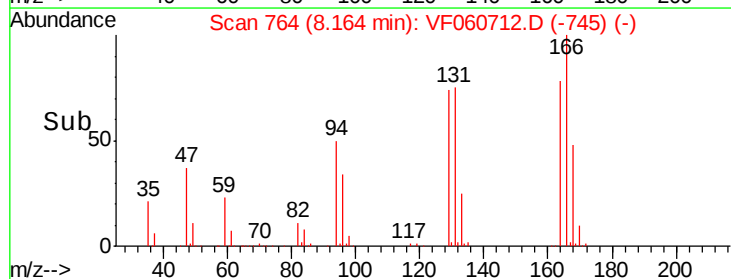
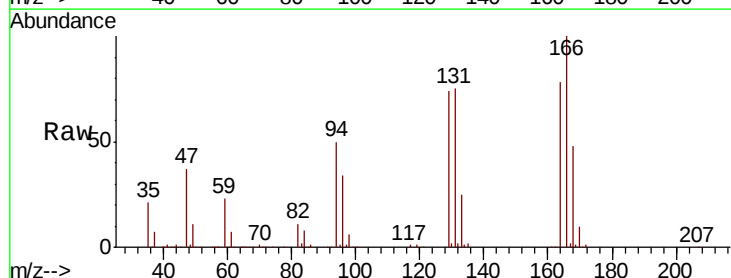
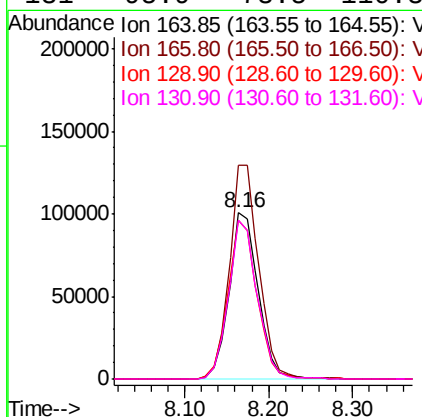
Manual Integrations
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sam
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#64
Tetrachloroethene
Concen: 88.667 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.5	155.3
129	95.6	77.4	116.2
131	95.9	73.5	110.3





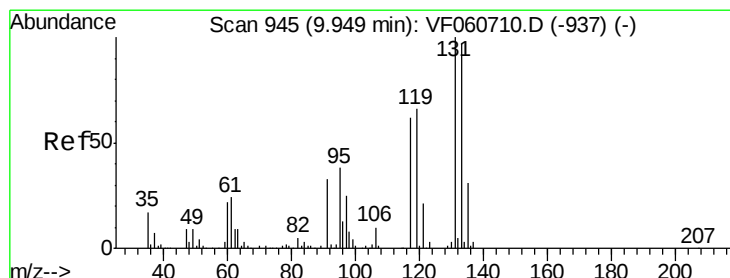
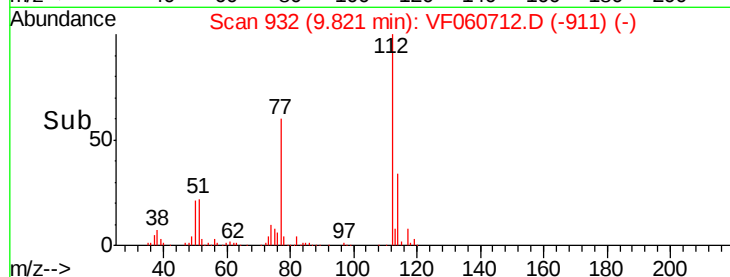
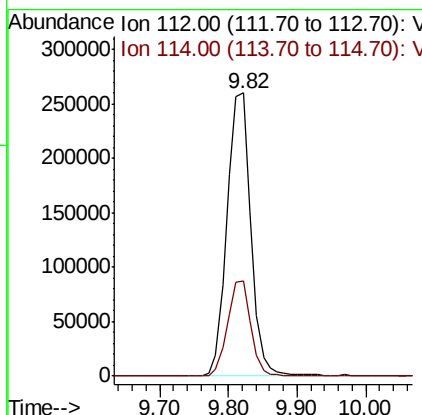
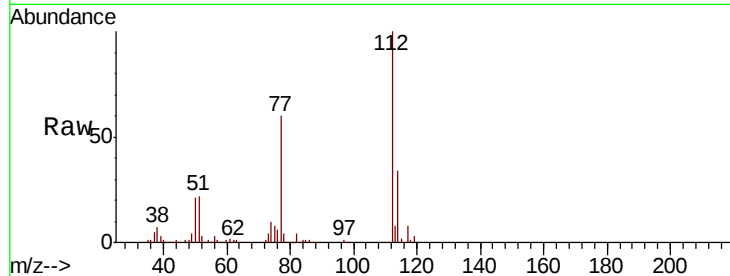
#65
Chlorobenzene
Concen: 89.907 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.1	39.1

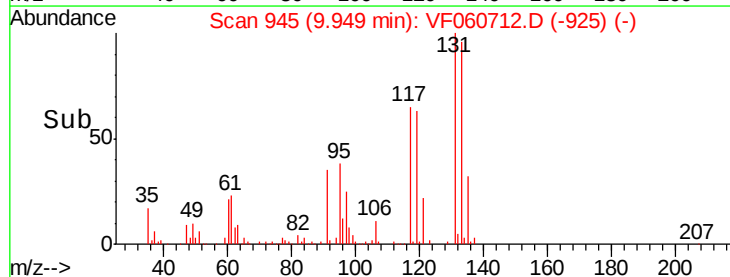
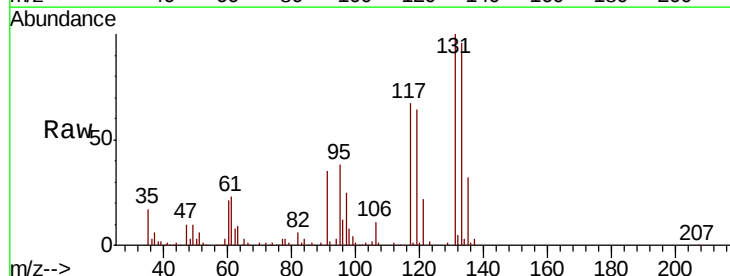
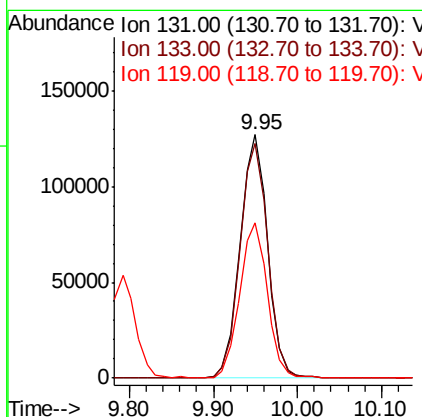
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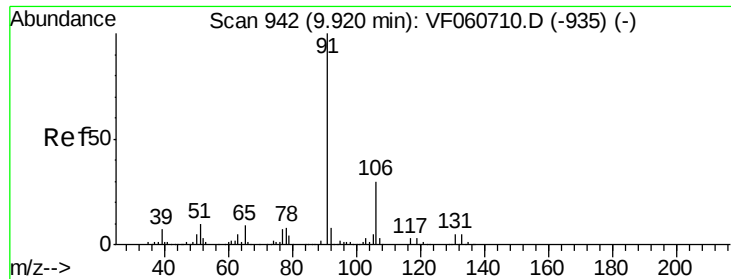
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 95.317 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	63.8	33.2	99.6





#67

Ethyl Benzene

Concen: 87.640 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1147847

Ion Ratio Lower Upper

91 100

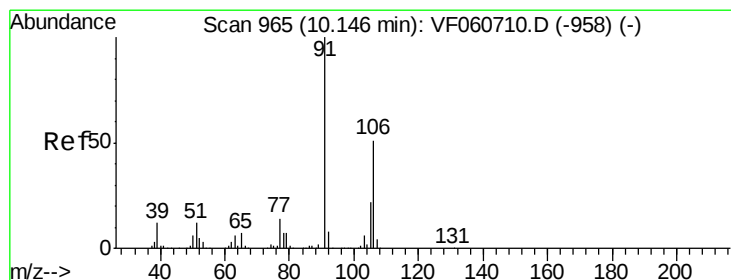
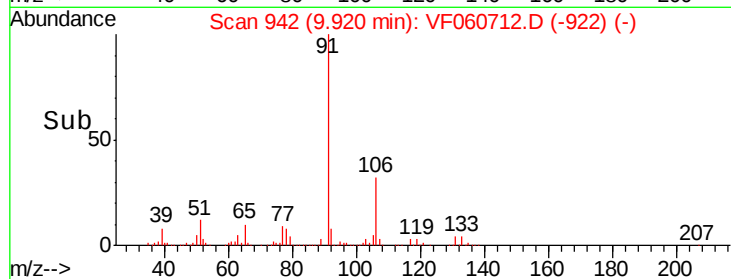
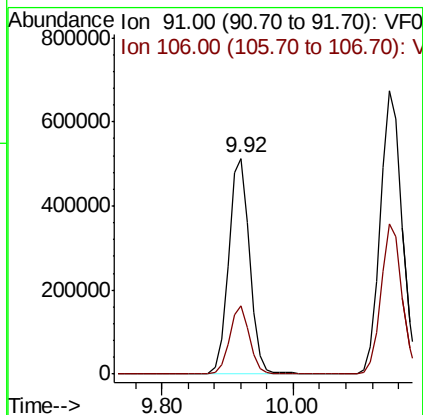
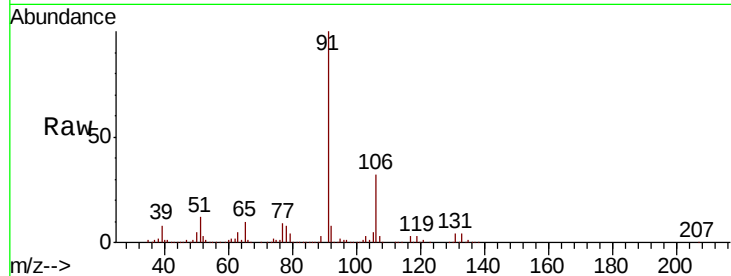
106 31.9 23.9 35.9

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 169.322 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060712.D

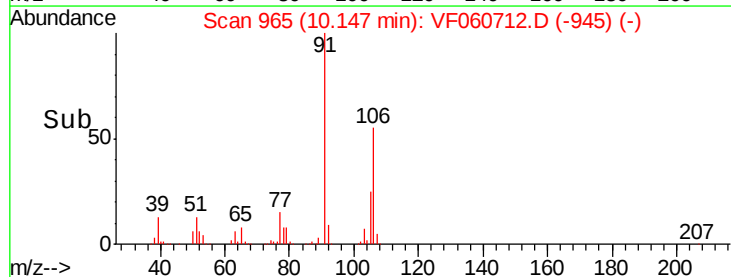
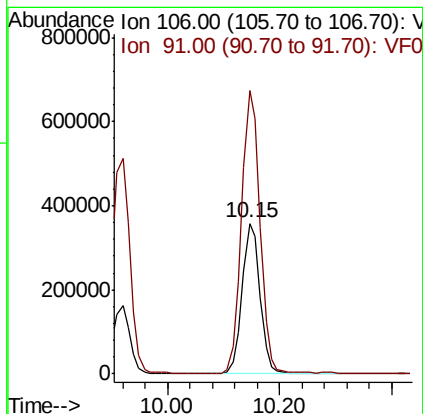
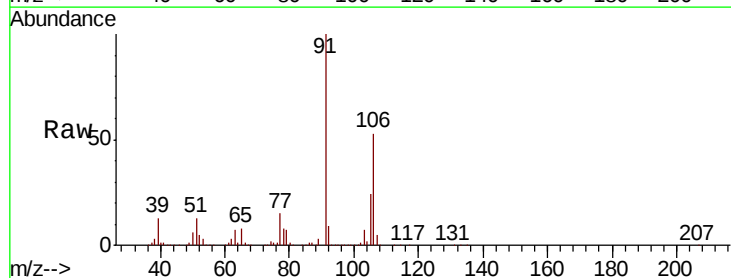
Acq: 13 Nov 2018 14:02

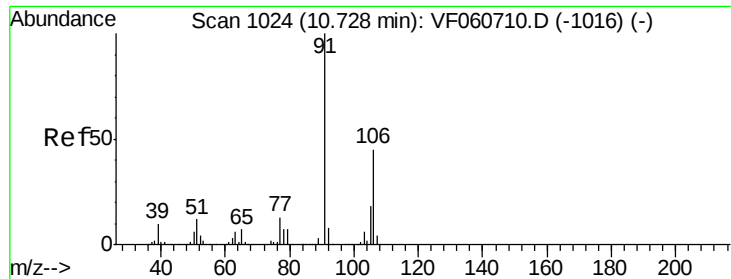
Tgt Ion: 106 Resp: 792530

Ion Ratio Lower Upper

106 100

91 188.4 158.2 237.2





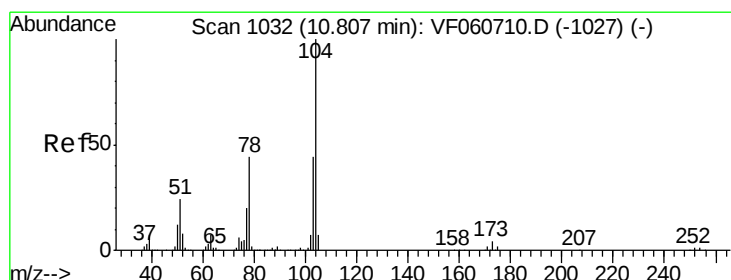
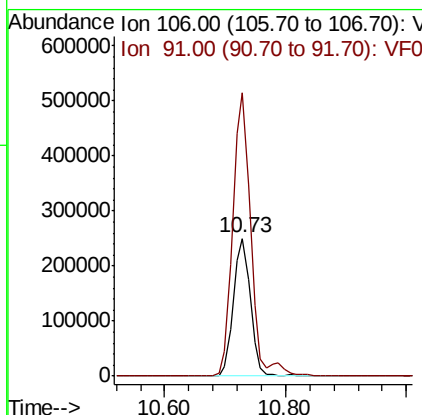
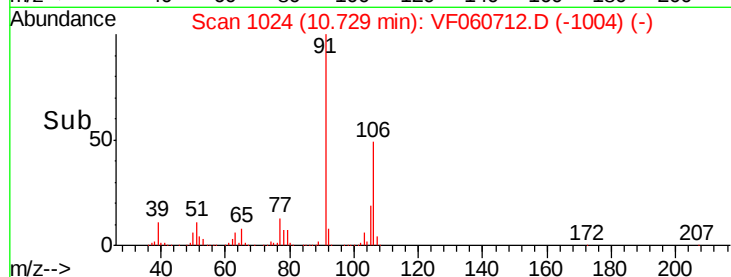
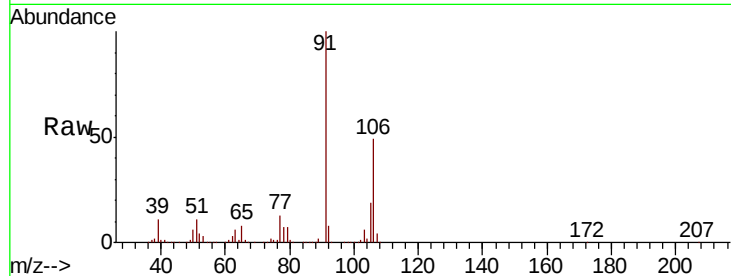
#69
o-Xylene
Concen: 93.753 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.1	110.3	493357	330.9	

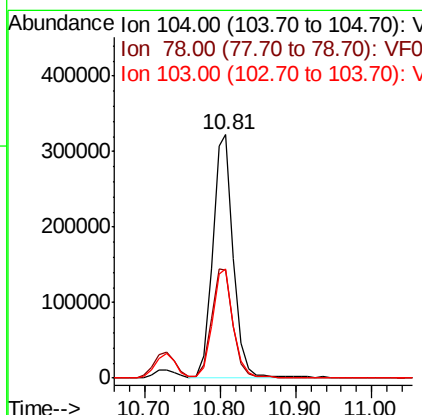
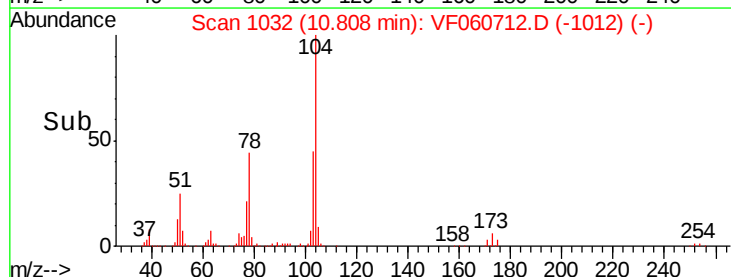
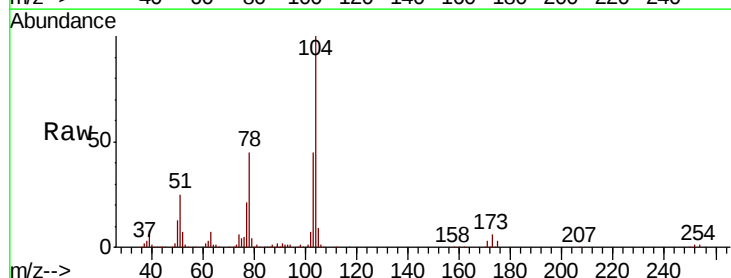
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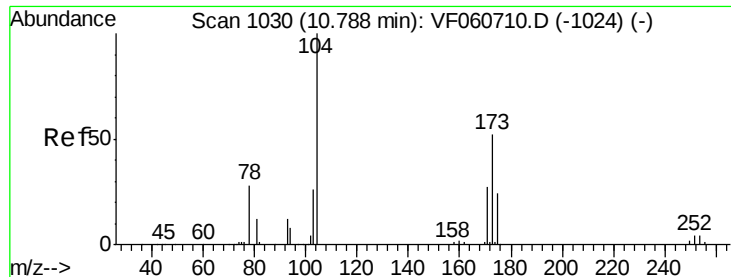
sam
11/14/2018 11:53:47 AM



#70
Styrene
Concen: 85.746 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	44.5	35.4	612374	53.2	
103	44.8	35.8		53.6	





#71

Bromoform

Concen: 96.773 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 131885

Ion Ratio Lower Upper

173 100

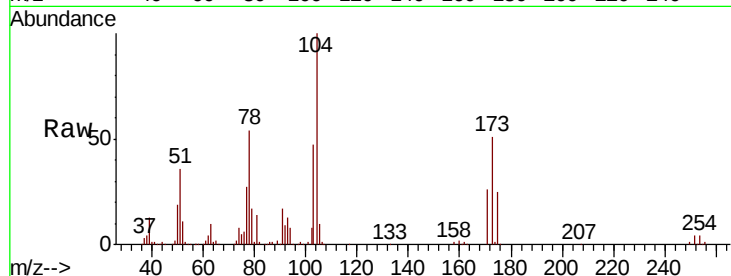
175 49.5 23.4 70.0

254 7.4 5.8 8.8

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sam

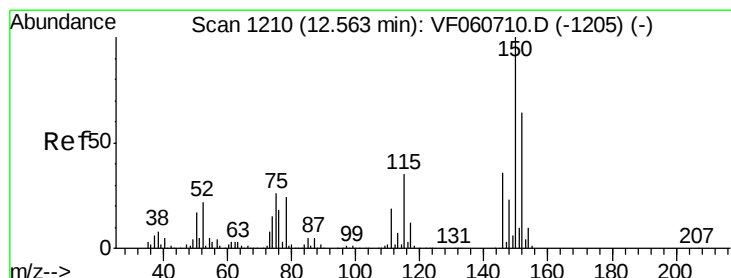
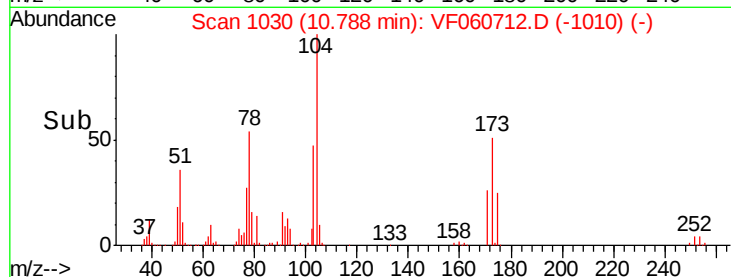
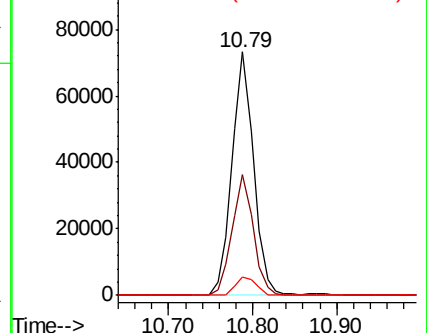
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

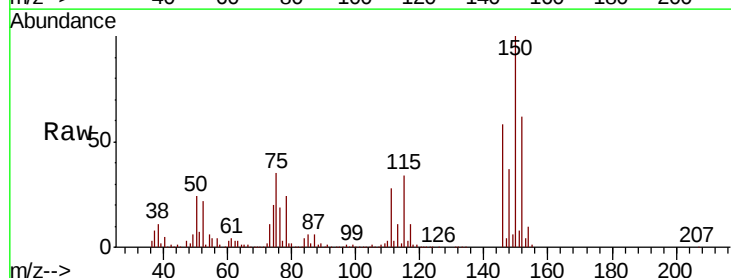
Tgt Ion:152 Resp: 186617

Ion Ratio Lower Upper

152 100

115 54.1 27.9 83.7

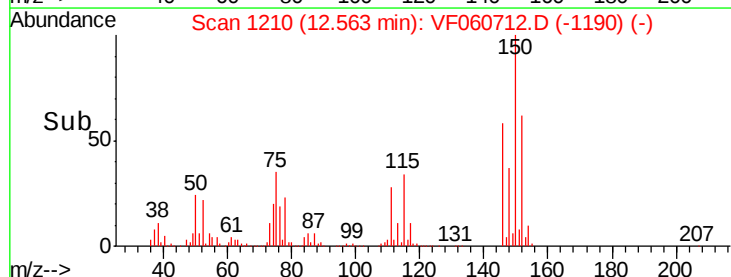
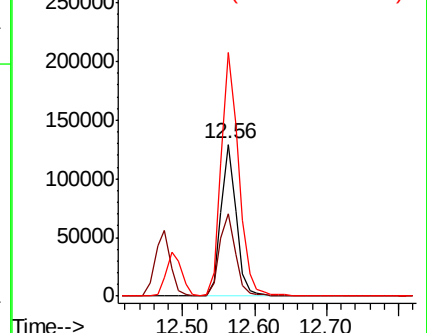
150 160.2 0.0 316.4

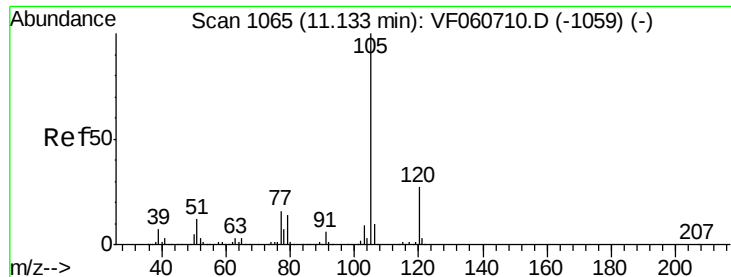


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 88.297 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1326350

Ion Ratio Lower Upper

105 100

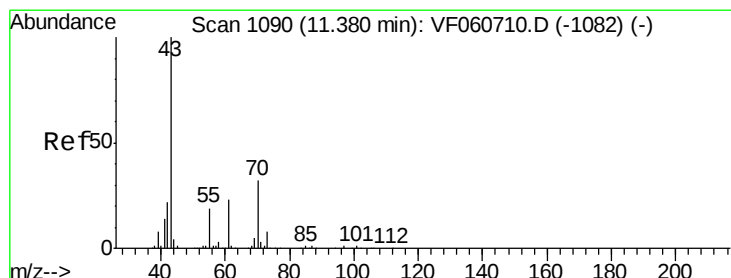
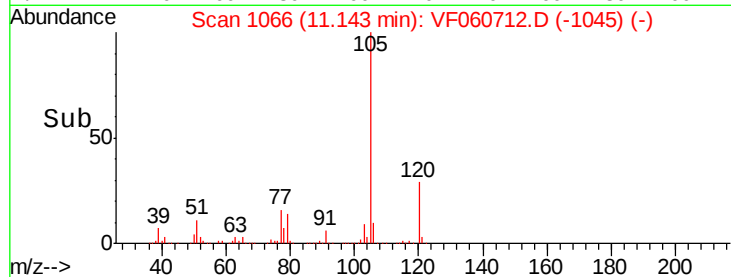
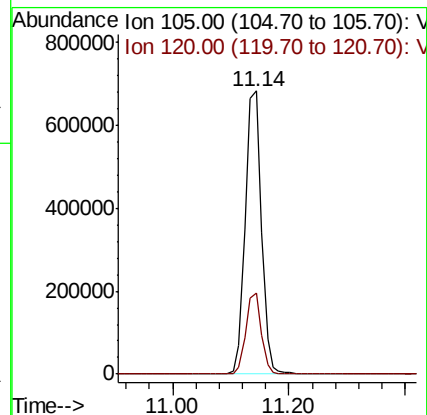
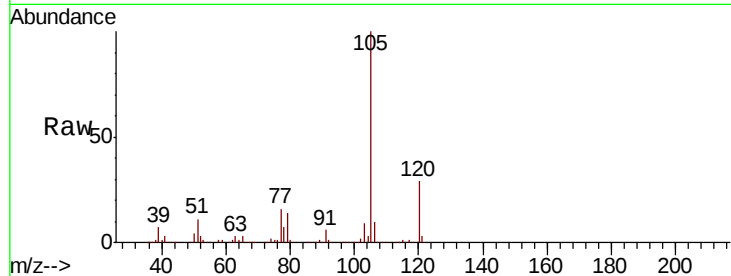
120 28.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 95.575 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion: 43 Resp: 326830

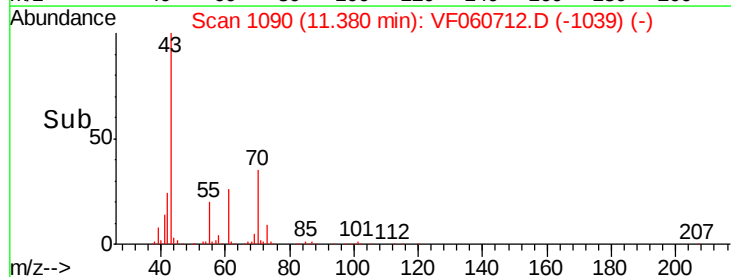
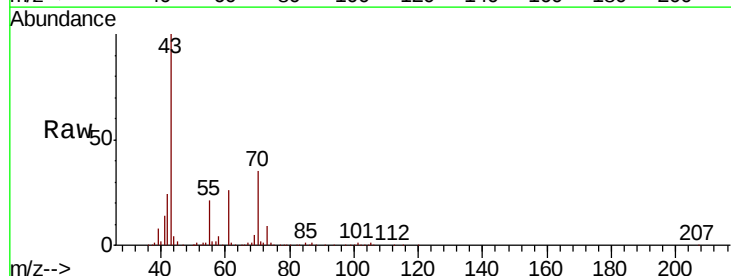
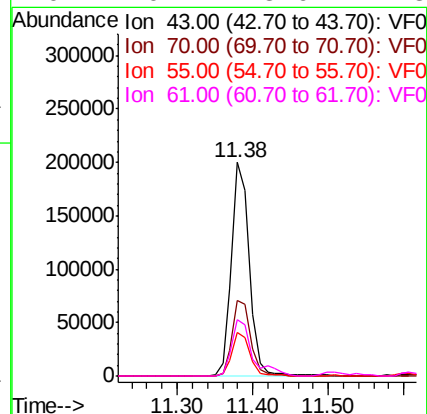
Ion Ratio Lower Upper

43 100

70 35.3 25.5 38.3

55 20.6 14.9 22.3

61 26.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 94.060 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

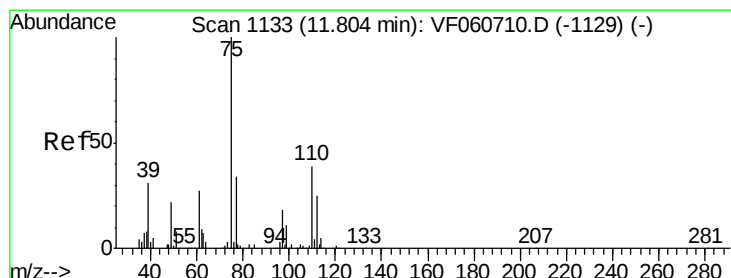
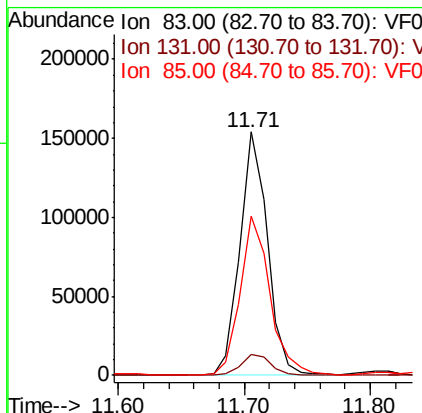
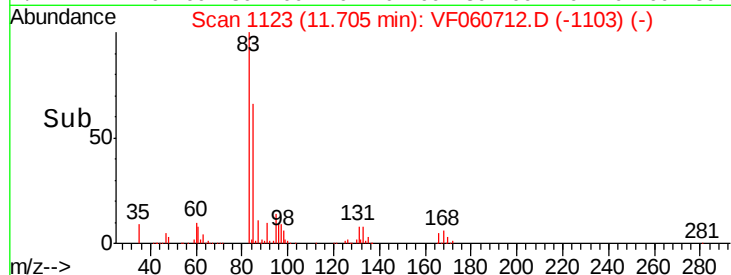
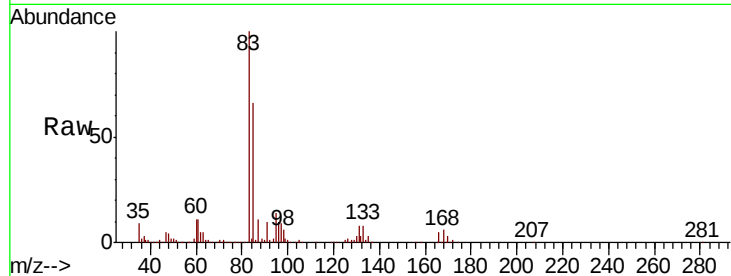
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	233595
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.4
85	65.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 90.416 ug/l

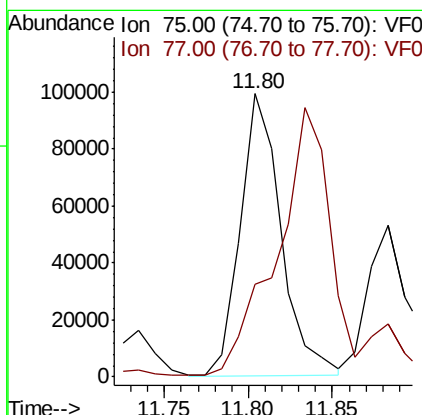
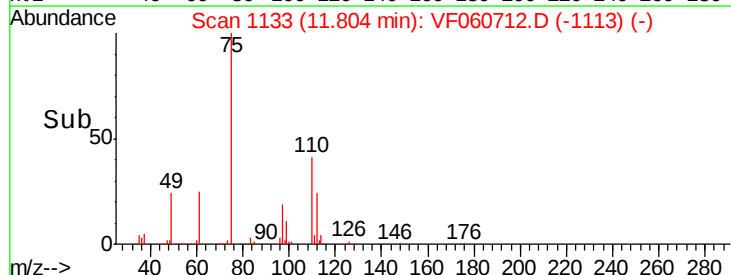
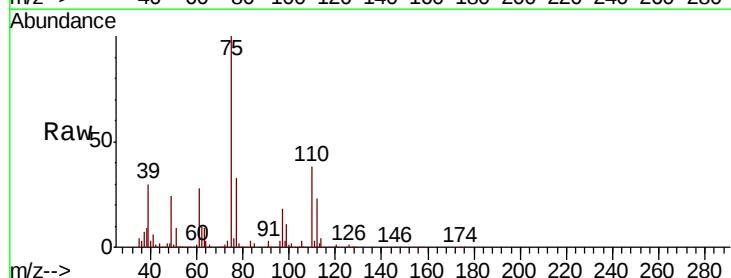
RT: 11.80 min Scan# 1133

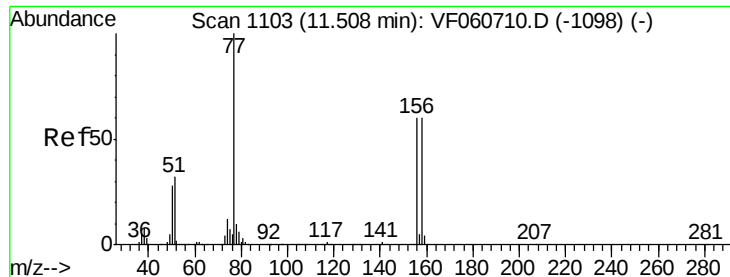
Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	75	Resp:	166767
Ion Ratio	Lower	Upper	
75	100		
77	32.8	17.0	51.0





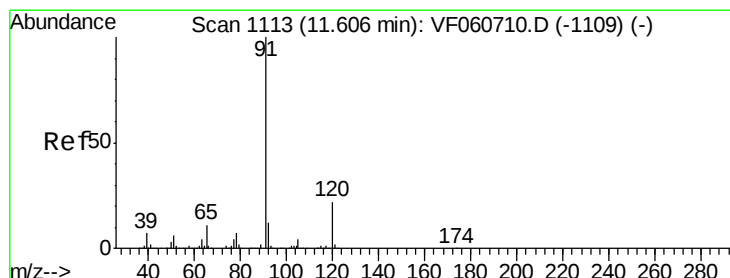
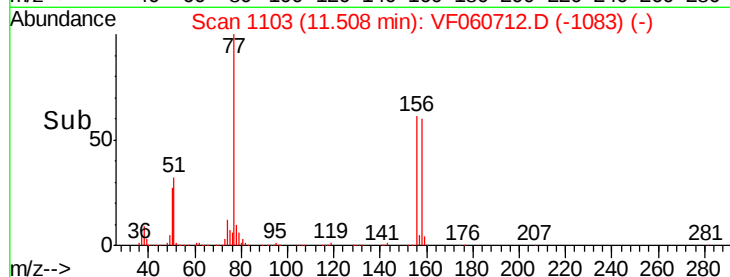
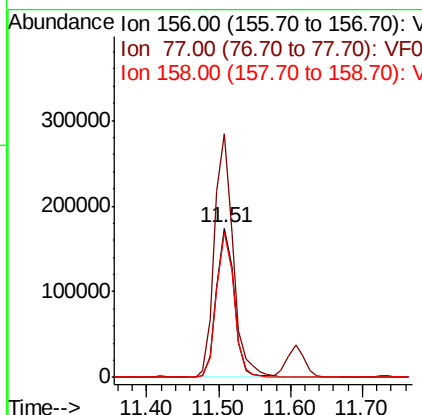
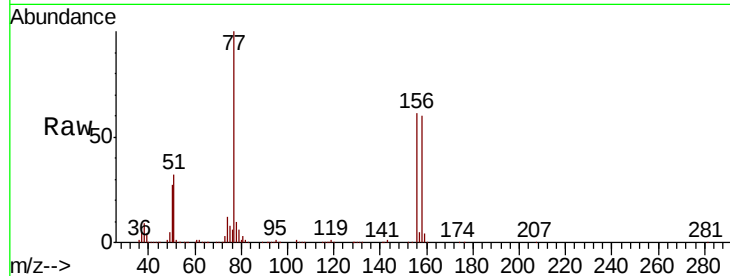
#77
Bromobenzene
Concen: 94.268 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	163.5	83.0	248.9	
158	97.3	49.6	149.0	

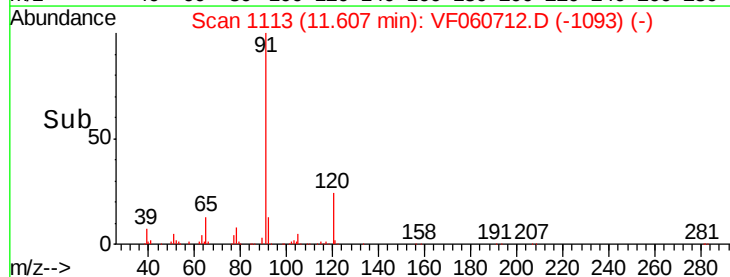
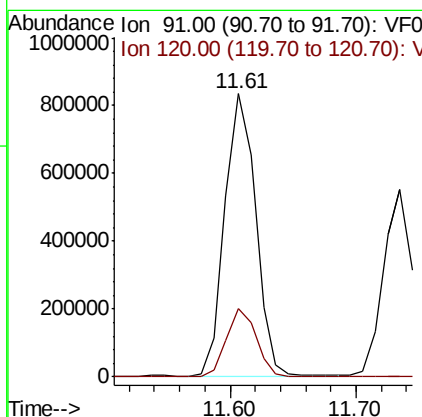
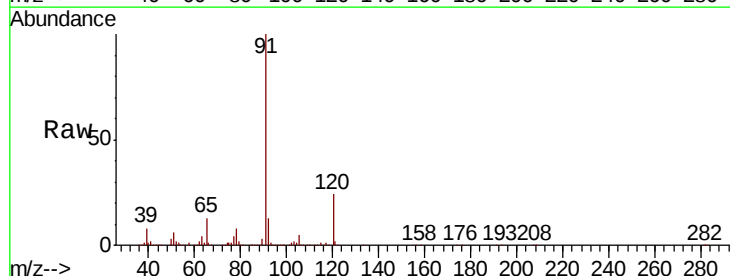
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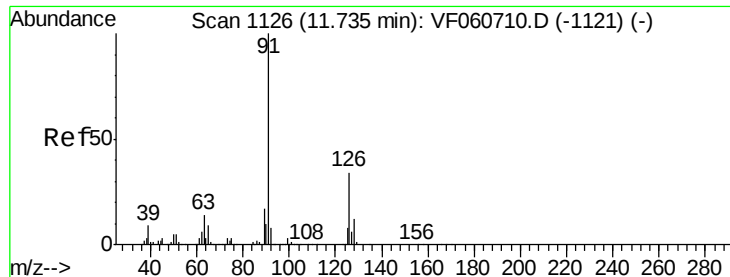
sam
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#78
n-propylbenzene
Concen: 81.278 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.1	11.2	33.5	





#79

2-Chlorotoluene

Concen: 87.587 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 891838

Ion Ratio Lower Upper

91 100

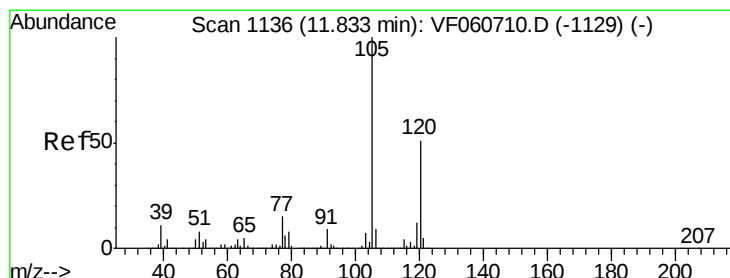
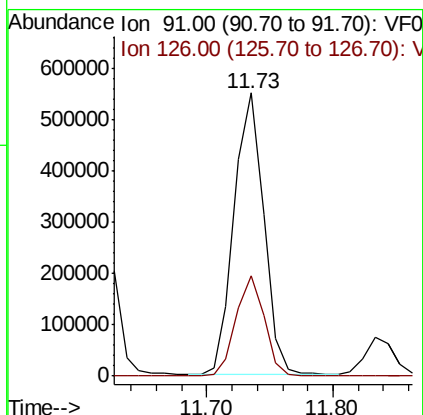
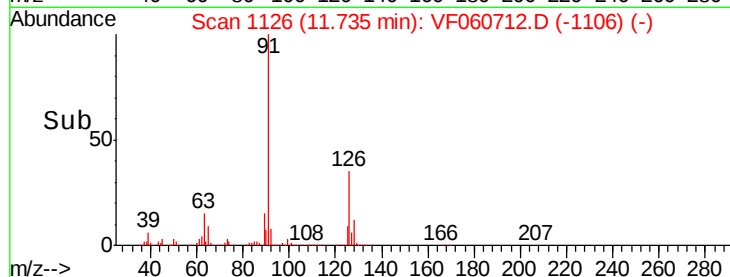
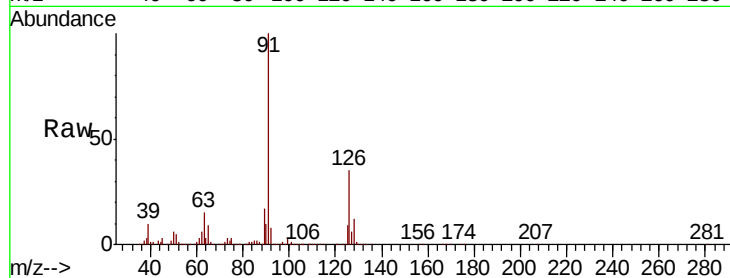
126 35.3 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 89.772 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060712.D

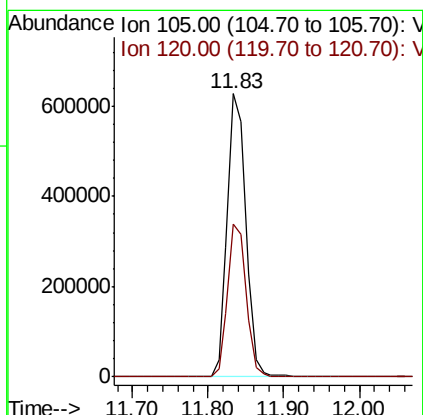
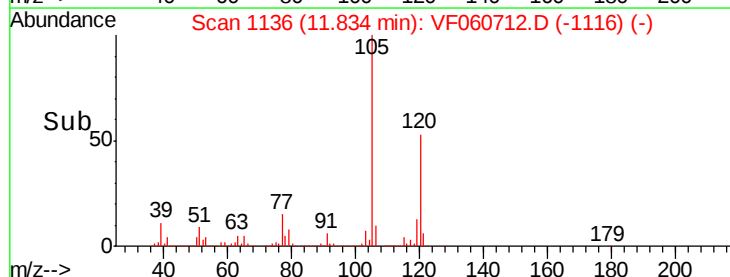
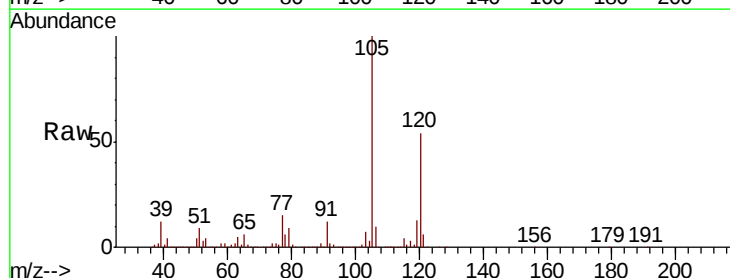
Acq: 13 Nov 2018 14:02

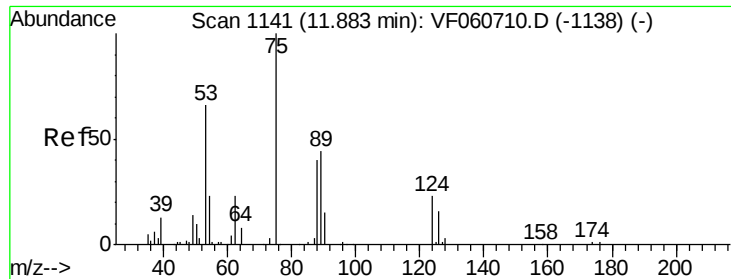
Tgt Ion: 105 Resp: 1070593

Ion Ratio Lower Upper

105 100

120 54.0 25.6 76.8





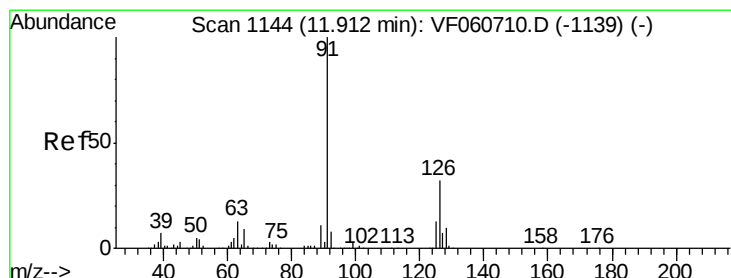
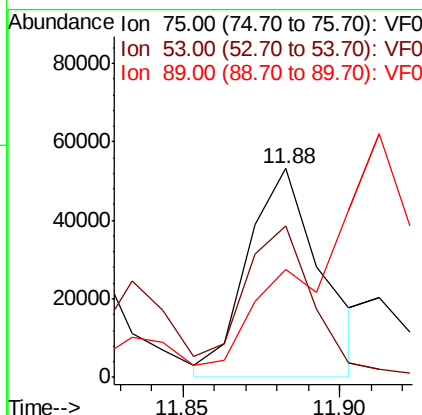
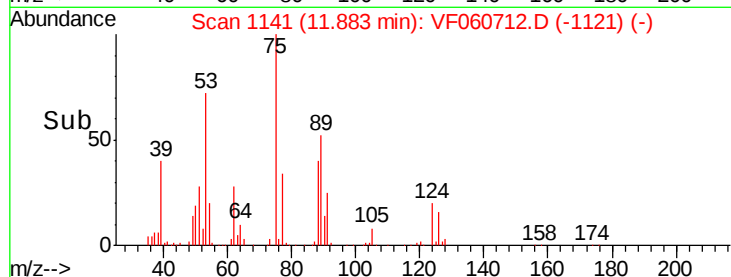
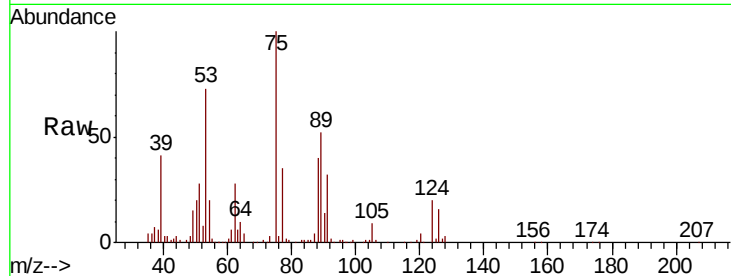
#81
trans-1,4-Dichloro-2-butene
Concen: 97.993 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	72.6	57.0	85.4
89	51.9	37.8	56.8

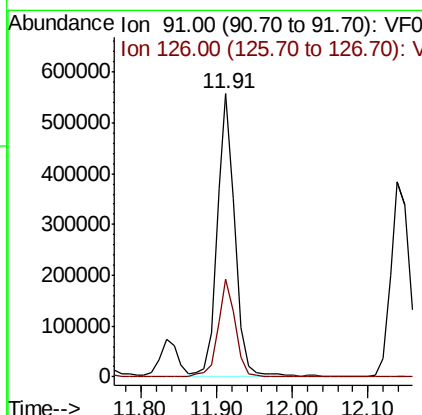
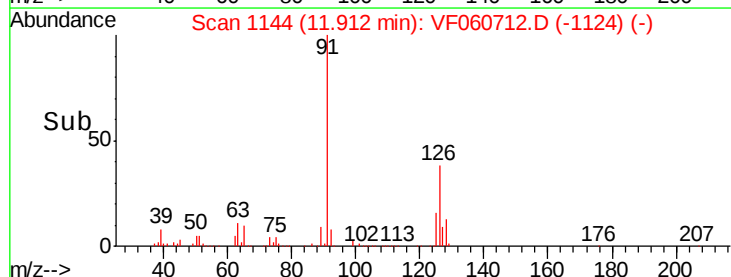
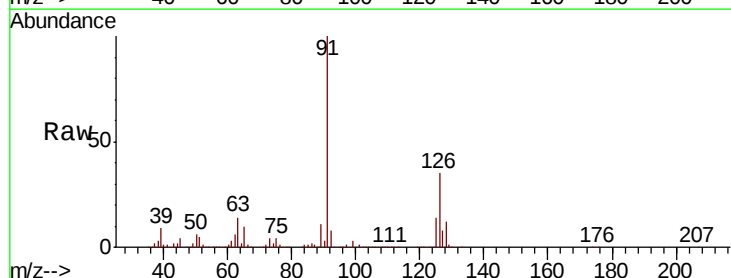
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#82
4-Chlorotoluene
Concen: 86.985 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.0	47.9





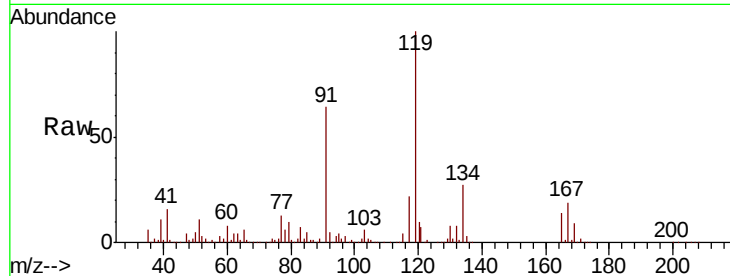
#83
 tert-Butylbenzene
 Concen: 84.188 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

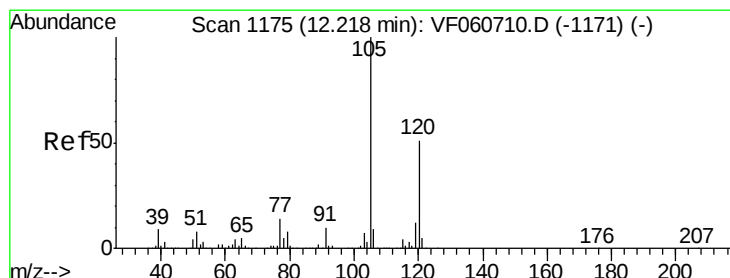
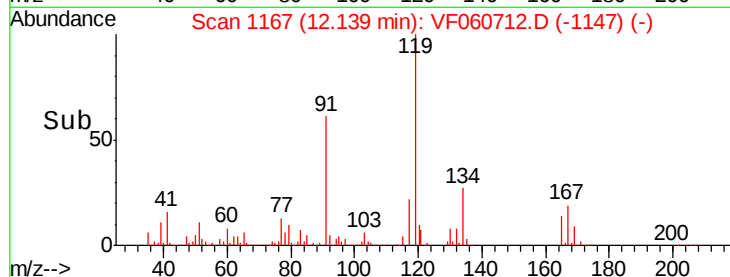
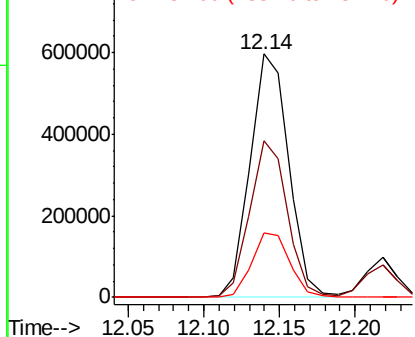
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.4	94.3
134	26.7	12.8	38.4

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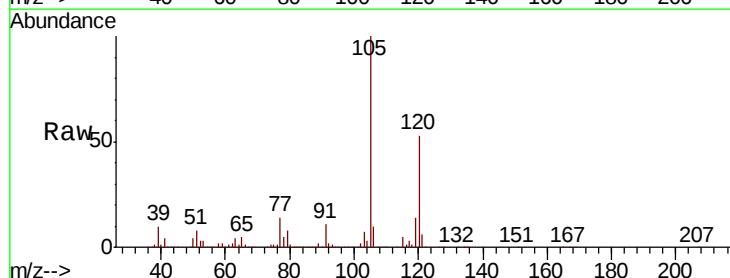


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

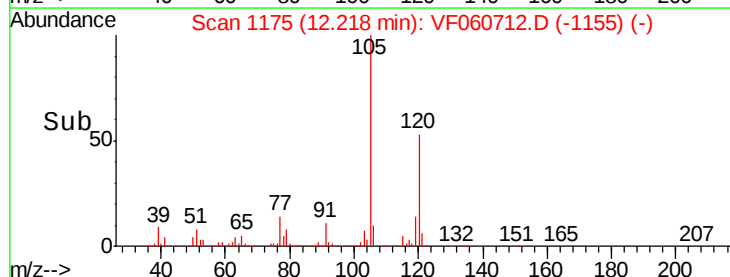
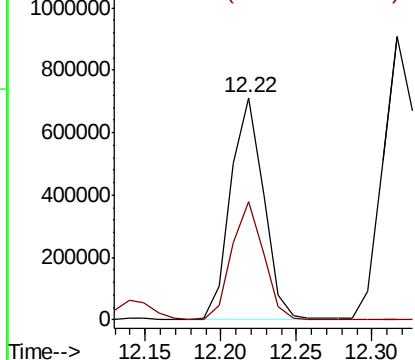


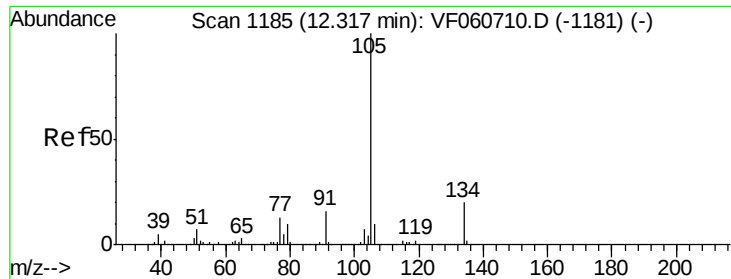
#84
 1,2,4-Trimethylbenzene
 Concen: 87.871 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.0	25.5	76.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





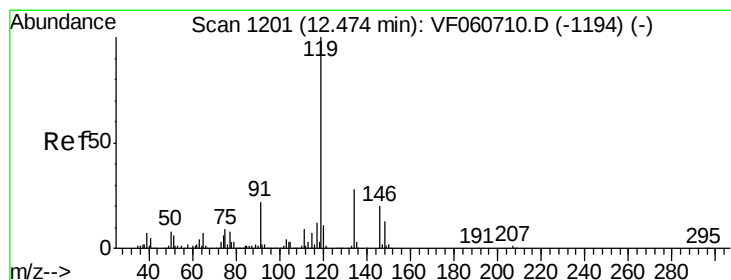
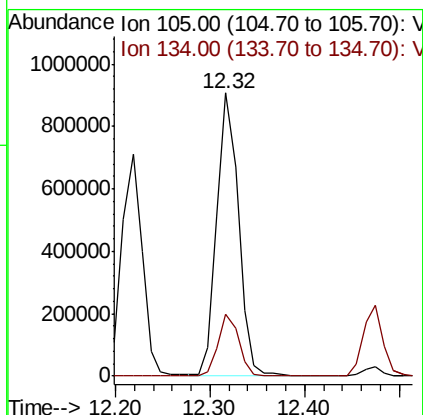
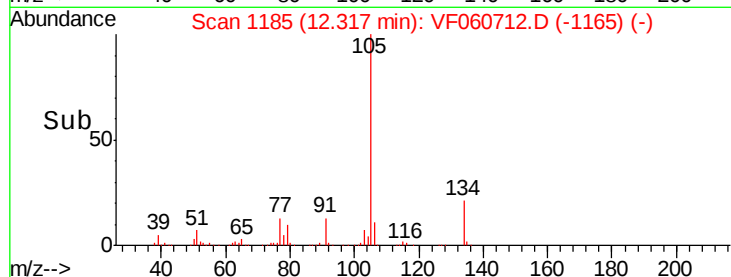
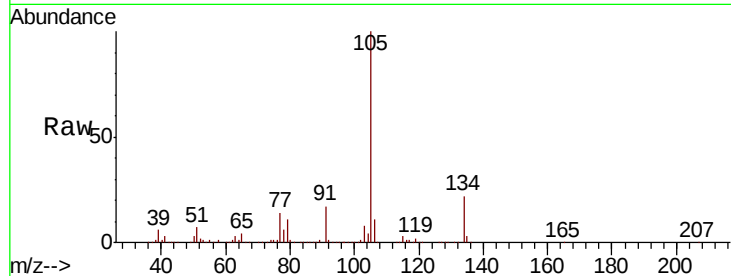
#85
 sec-Butylbenzene
 Concen: 84.371 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1449211
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.1 30.3

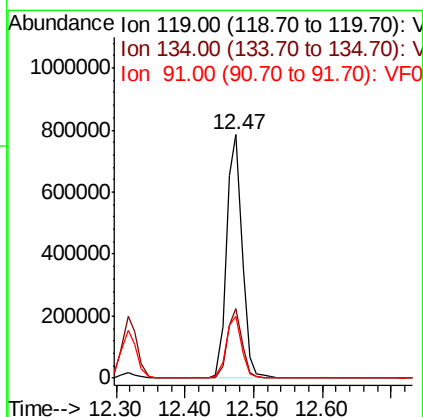
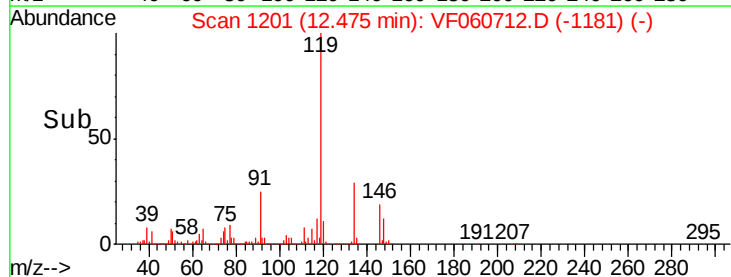
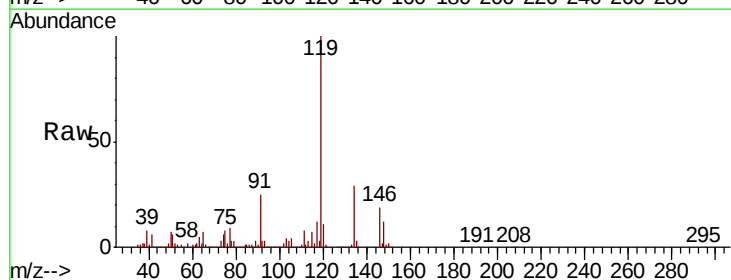
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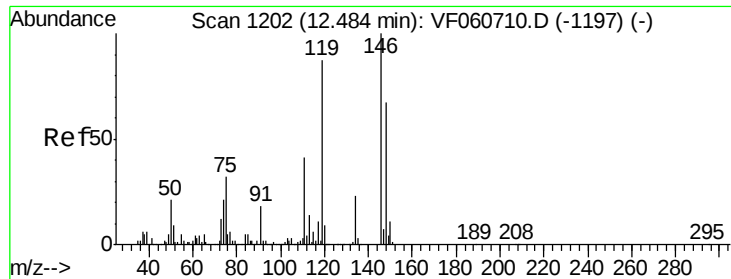
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#86
 p-Isopropyltoluene
 Concen: 85.429 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Tgt Ion:119 Resp: 1225554
 Ion Ratio Lower Upper
 119 100
 134 28.8 13.9 41.7
 91 25.2 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 86.822 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Instrument :

MSVOA_F

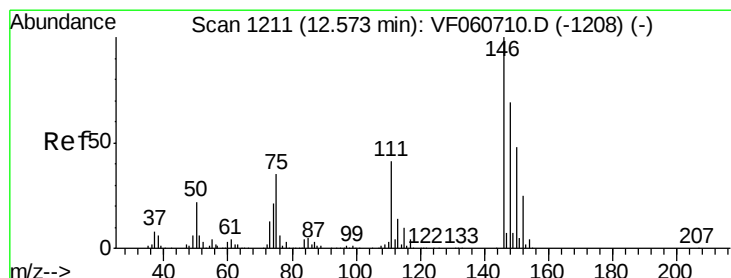
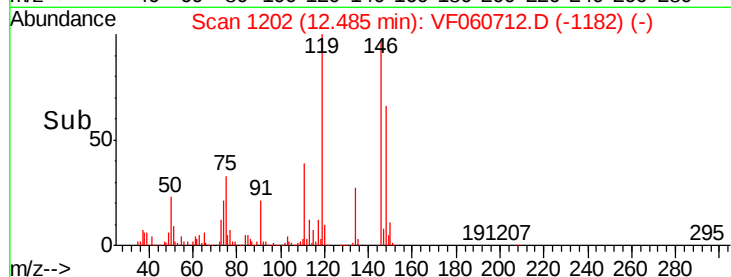
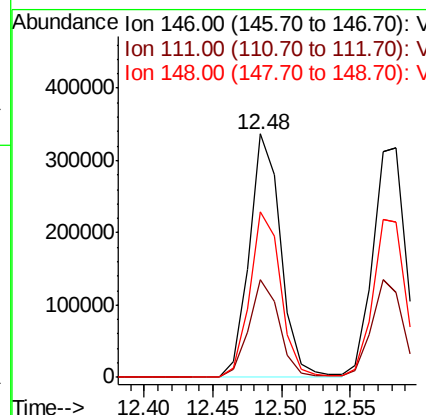
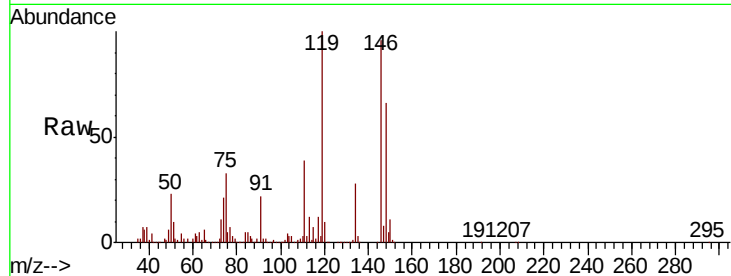
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	540242
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.3	60.8
148	68.0	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 90.892 ug/l

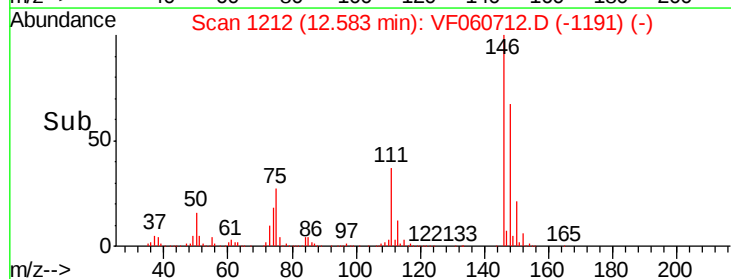
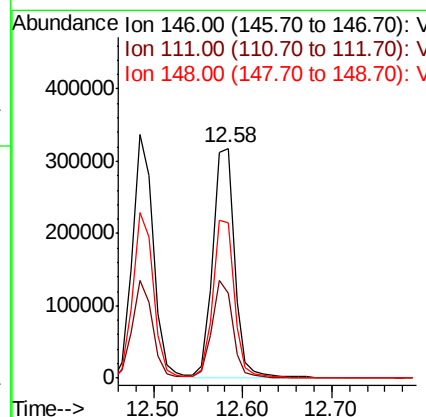
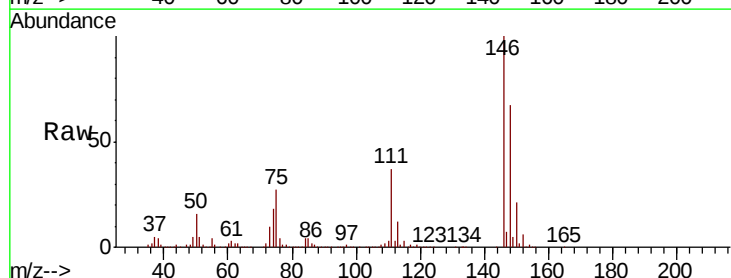
RT: 12.58 min Scan# 1212

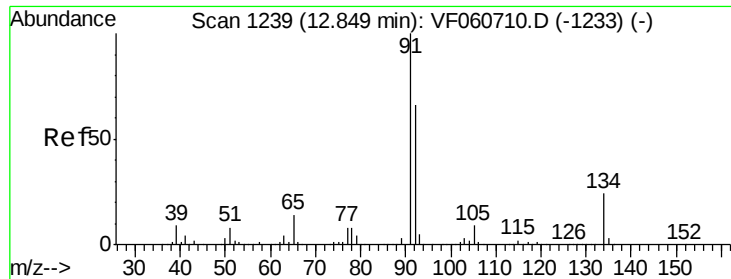
Delta R.T. 0.01 min

Lab File: VF060712.D

Acq: 13 Nov 2018 14:02

Tgt Ion:	146	Resp:	543566
Ion Ratio	Lower	Upper	
146	100		
111	36.9	20.6	61.9
148	67.5	34.7	104.1





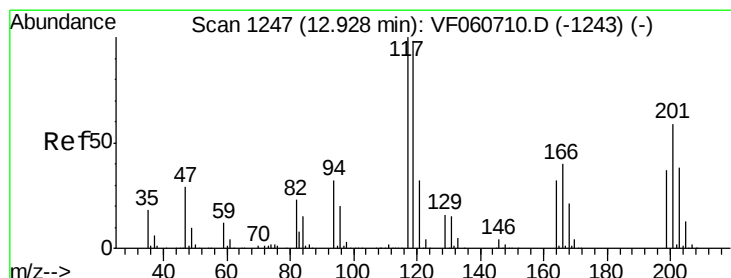
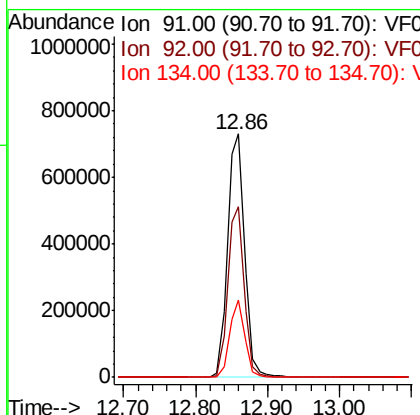
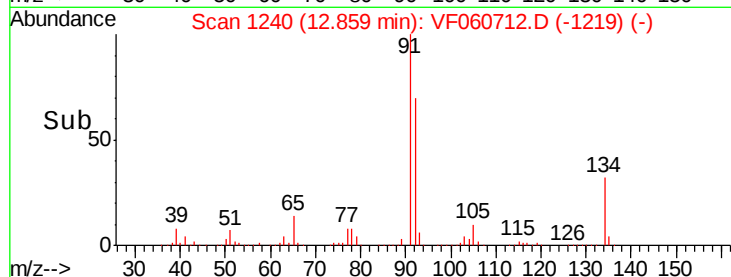
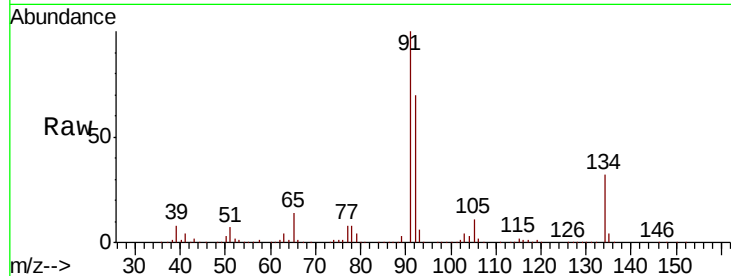
#89
n-Butylbenzene
Concen: 81.197 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1188744
Ion Ratio Lower Upper
91 100
92 70.1 33.1 99.2
134 31.6 11.9 35.9

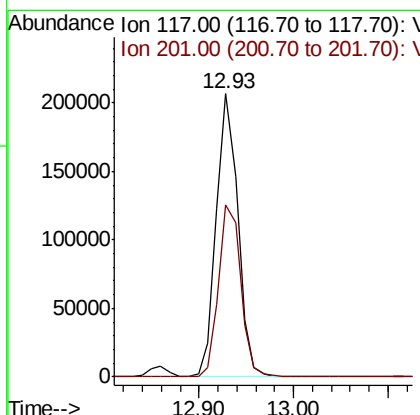
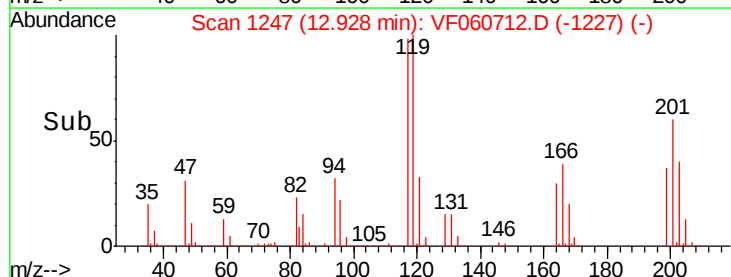
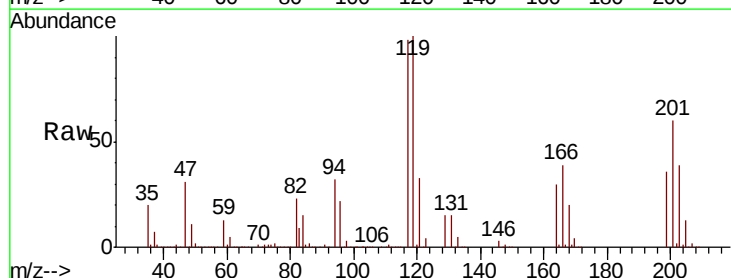
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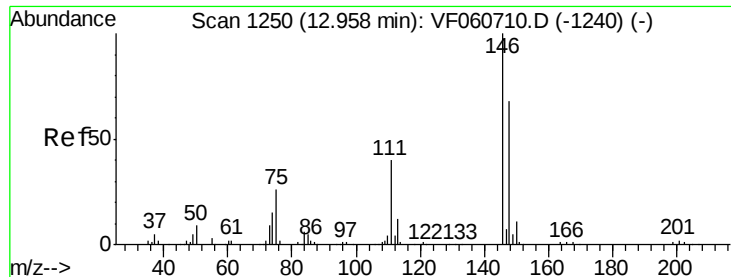
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#90
Hexachloroethane
Concen: 93.382 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion: 117 Resp: 327661
Ion Ratio Lower Upper
117 100
201 60.9 29.4 88.3





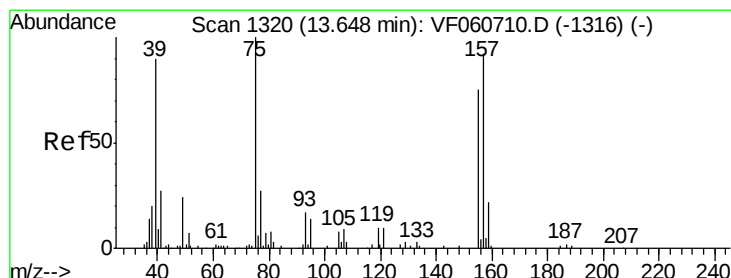
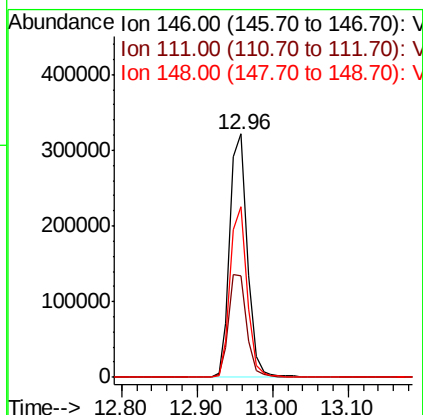
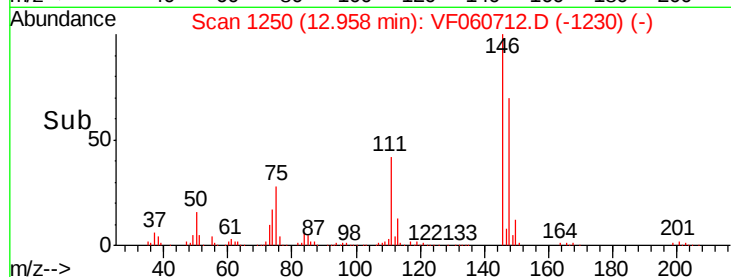
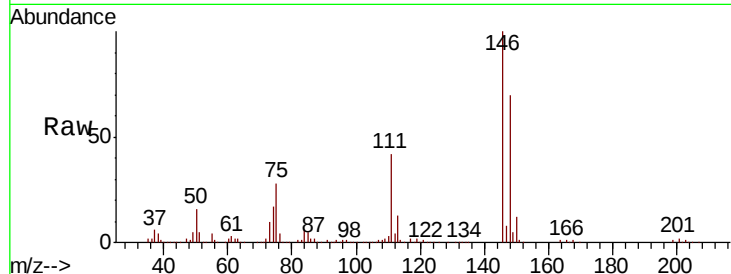
#91
 1,2-Dichlorobenzene
 Concen: 87.842 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.8
148	69.9	34.1	102.3

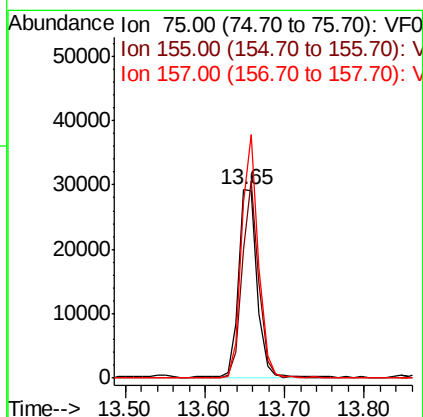
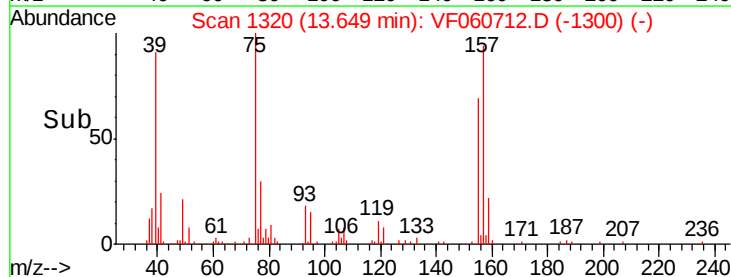
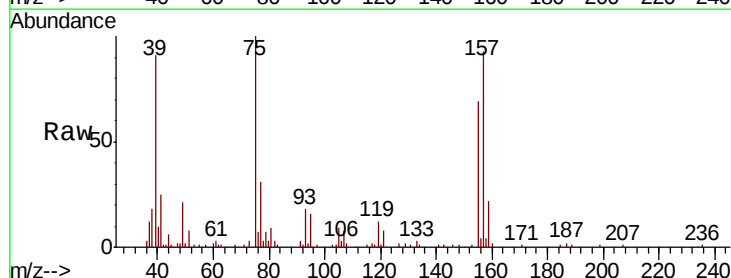
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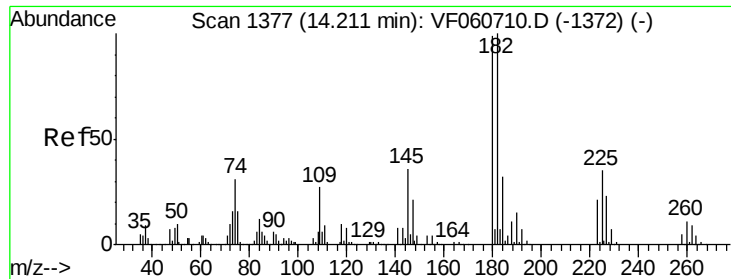
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.977 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	37.4	112.2
157	93.4	46.0	138.0





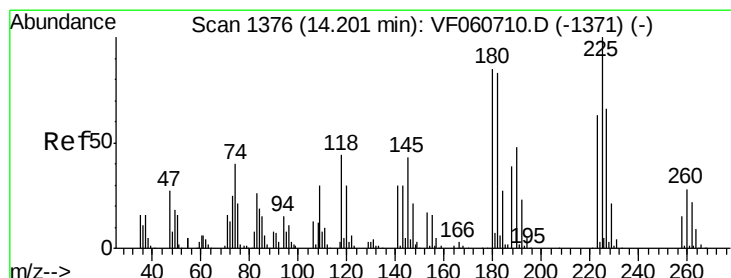
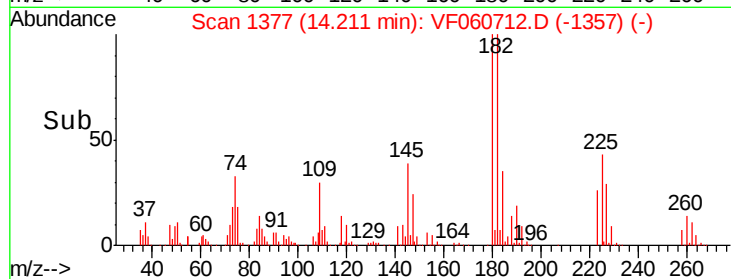
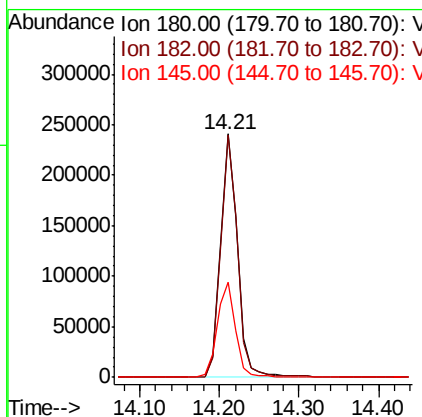
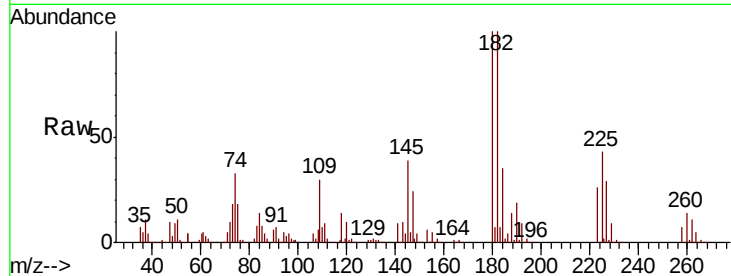
#93
 1,2,4-Trichlorobenzene
 Concen: 87.302 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.8	50.3	151.0	
145	39.0	18.3	54.9	

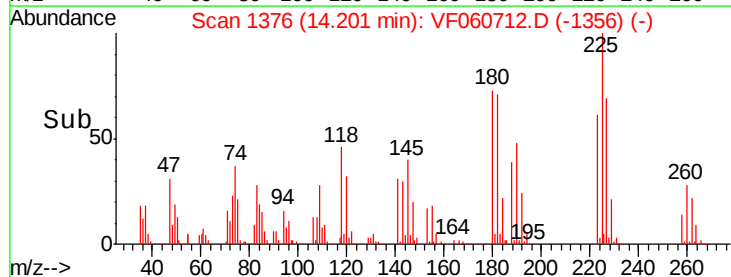
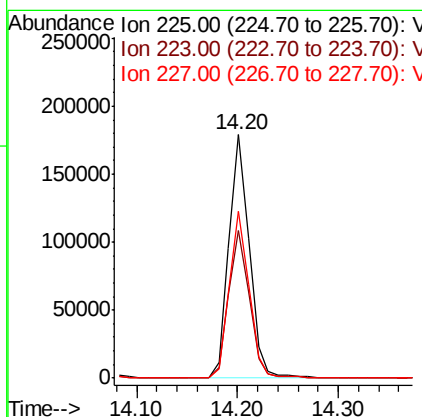
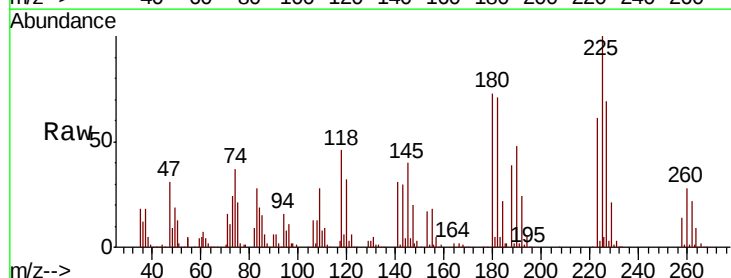
Manual Integrations
 APPROVED

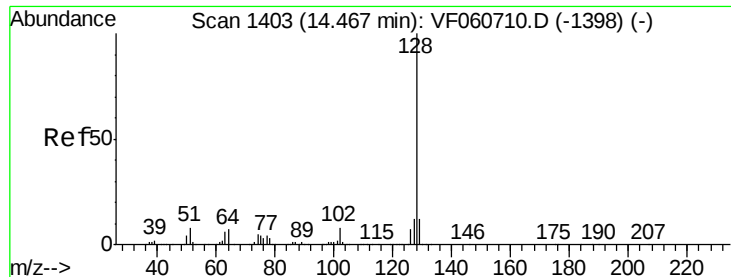
sam
 11/14/2018 11:53:47 AM



#94
 Hexachlorobutadiene
 Concen: 91.462 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060712.D
 Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.7	31.5	94.5	
227	68.5	33.0	99.0	





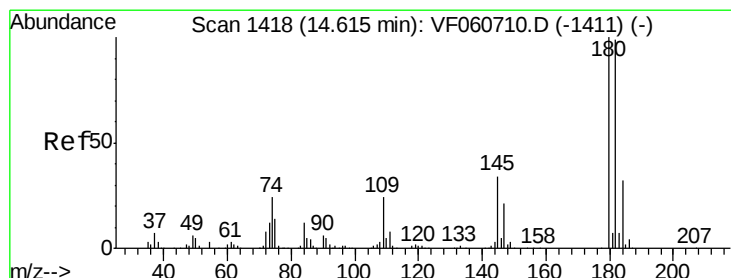
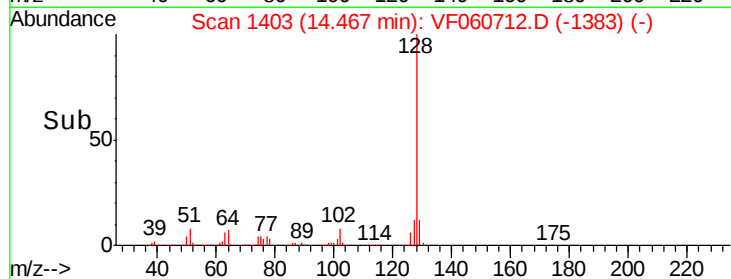
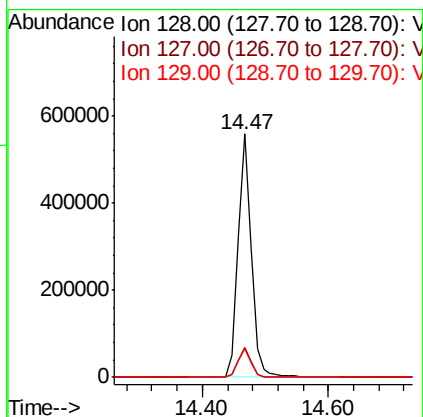
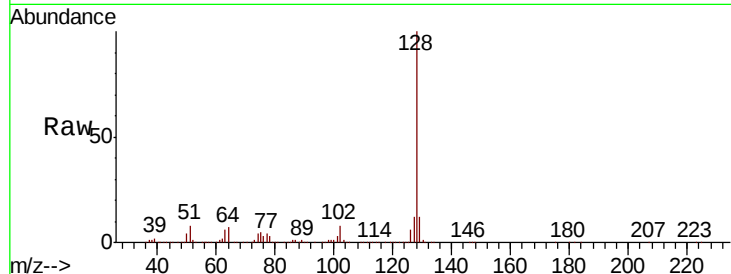
#95
Naphthalene
Concen: 104.464 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.6
129	11.5	9.3	13.9

Manual Integrations
APPROVED

sam
11/14/2018 11:53:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 95.578 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF060712.D
Acq: 13 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	49.6	149.0
145	35.4	16.9	50.7

