

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060911.D
 Acq On : 6 Dec 2018 11:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/7/2018 12:07:25 PM

Quant Time: Dec 06 12:29:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	194896	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	323790	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	293805	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	147690	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	116104	50.57	ug/l	-0.04
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	4.11	113	123908	48.24	ug/l	-0.04
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	7.54	98	361106	47.72	ug/l	-0.05
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.41	95	155952	45.35	ug/l	-0.03
Spiked Amount			Recovery	=	90.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	129756	44.527	ug/l	96
3) Chloromethane	1.10	50	83456	44.011	ug/l	99
4) Vinyl Chloride	1.15	62	83709	47.326	ug/l	96
5) Bromomethane	1.33	94	59911	48.035	ug/l	95
6) Chloroethane	1.39	64	38366	50.179	ug/l	100
7) Trichlorofluoromethane	1.48	101	188238	49.601	ug/l	90
8) Diethyl Ether	1.62	74	26244	48.090	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.83	101	95176	49.607	ug/l	96
10) Methyl Iodide	1.90	142	128741m	44.146	ug/l	
11) Tert butyl alcohol	2.57	59	22768	241.914	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	71771	46.508	ug/l	95
13) Acrolein	2.00	56	19936	223.568	ug/l	100
14) Allyl chloride	2.09	41	98340	51.127	ug/l	99
15) Acrylonitrile	2.94	53	45341	214.885	ug/l	93
16) Acetone	2.24	43	125235	295.795	ug/l #	92
17) Carbon Disulfide	1.83	76	193990m	46.883	ug/l	
18) Methyl Acetate	2.34	43	39924	56.419	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	166137	47.799	ug/l	99
20) Methylene Chloride	2.24	84	77006m	49.578	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	74184	49.863	ug/l	98
22) Diisopropyl ether	2.80	45	266110	50.827	ug/l	97
23) Vinyl Acetate	3.18	43	647850	270.697	ug/l	98
24) 1,1-Dichloroethane	2.87	63	157074	50.425	ug/l	99
25) 2-Butanone	4.33	43	191182	261.068	ug/l	97
26) 2,2-Dichloropropane	3.59	77	98033	48.543	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	116987	48.300	ug/l	94
28) Bromochloromethane	3.70	49	69502	46.491	ug/l	92
29) Tetrahydrofuran	4.06	42	67726	218.179	ug/l	98
30) Chloroform	3.85	83	231668	48.323	ug/l	99
31) Cyclohexane	3.69	56	142264m	44.006	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	147956	44.500	ug/l	98
36) 1,1-Dichloropropene	4.27	75	186079	51.813	ug/l	99
37) Ethyl Acetate	4.10	43	62913	43.108	ug/l #	85
38) Carbon Tetrachloride	3.98	117	140743	44.369	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	171989	45.697	ug/l	96
40) Benzene	4.62	78	367371	46.303	ug/l	100
41) Methacrylonitrile	4.74	41	35653	46.946	ug/l	91
42) 1,2-Dichloroethane	4.94	62	136328	47.066	ug/l	93
43) Isopropyl Acetate	6.95	43	82596	45.632	ug/l #	99
44) Trichloroethene	5.50	130	120874	46.594	ug/l	94
45) 1,2-Dichloropropane	6.23	63	97984	47.551	ug/l	95
46) Dibromomethane	6.07	93	62273	44.550	ug/l	94
47) Bromodichloromethane	6.38	83	176607	47.569	ug/l	97
48) Methyl methacrylate	6.70	41	56539	42.799	ug/l	91
49) 1,4-Dioxane	6.69	88	9030	933.977	ug/l #	87
51) 4-Methyl-2-Pentanone	8.25	43	281202	208.942	ug/l	97
52) Toluene	7.62	92	249838	44.830	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	128819	42.657	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	175875	47.043	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	69309	42.681	ug/l	97
56) Ethyl methacrylate	8.61	69	76696	42.516	ug/l	98
57) 1,3-Dichloropropane	8.84	76	125907	44.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	52120	282.466	ug/l	95
59) 2-Hexanone	9.49	43	210886	223.352	ug/l	99
60) Dibromochloromethane	8.71	129	108380	44.793	ug/l	93
61) 1,2-Dibromoethane	8.97	107	75179	42.855	ug/l	99
64) Tetrachloroethene	8.14	164	101231	45.110	ug/l	97
65) Chlorobenzene	9.79	112	282180	49.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	116284	47.325	ug/l	96
67) Ethyl Benzene	9.89	91	492144	46.251	ug/l	100
68) m/p-Xylenes	10.13	106	341578	89.253	ug/l	99
69) o-Xylene	10.71	106	196974	46.675	ug/l	94
70) Styrene	10.79	104	262782	44.920	ug/l	97
71) Bromoform	10.77	173	55595	46.842	ug/l	96
73) Isopropylbenzene	11.12	105	594255	50.916	ug/l	97
74) N-amyl acetate	11.37	43	118856	44.101	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	92053	47.923	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	66799m	47.844	ug/l	
77) Bromobenzene	11.49	156	122864	48.017	ug/l	86
78) n-propylbenzene	11.59	91	673501	49.276	ug/l	99
79) 2-Chlorotoluene	11.71	91	389640	49.718	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	452752	47.784	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	40268	58.864	ug/l	98
82) 4-Chlorotoluene	11.89	91	381138	46.212	ug/l	96
83) tert-Butylbenzene	12.13	119	494093	51.194	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	463751	49.042	ug/l	99
85) sec-Butylbenzene	12.30	105	651401	49.303	ug/l	98
86) p-Isopropyltoluene	12.45	119	560142	50.568	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	235601	48.406	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	223835	47.190	ug/l	97
89) n-Butylbenzene	12.84	91	549660	49.074	ug/l	96
90) Hexachloroethane	12.91	117	137281	51.467	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	212192	46.037	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18671	50.276	ug/l	85

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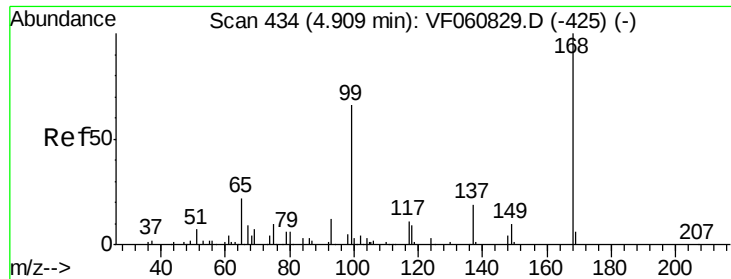
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	156597	48.624	ug/l	97
94) Hexachlorobutadiene	14.18	225	107272	49.966	ug/l	98
95) Naphthalene	14.45	128	286399	45.503	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	143660	48.041	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060911.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194896

Ion Ratio Lower Upper

168 100

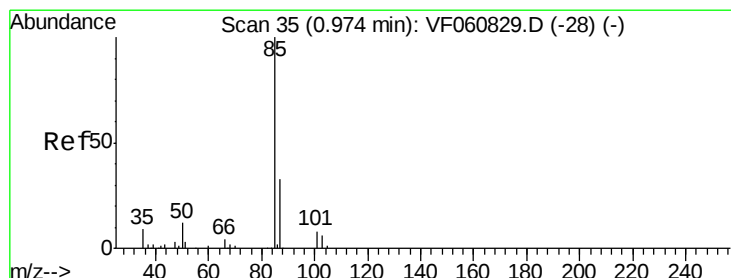
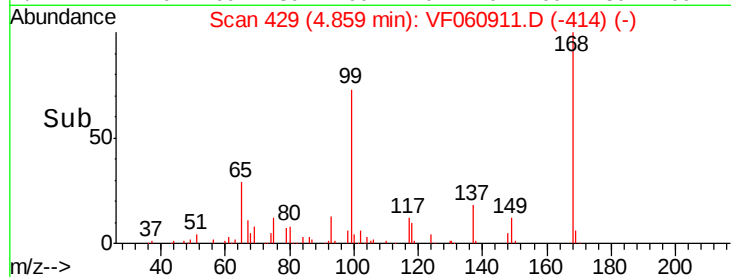
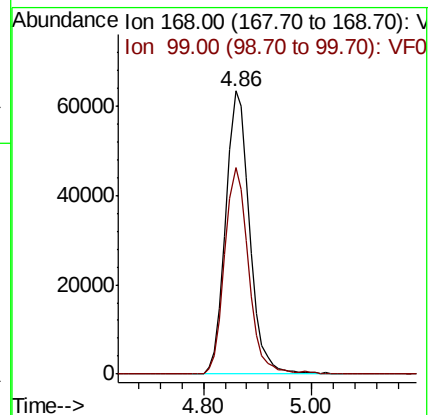
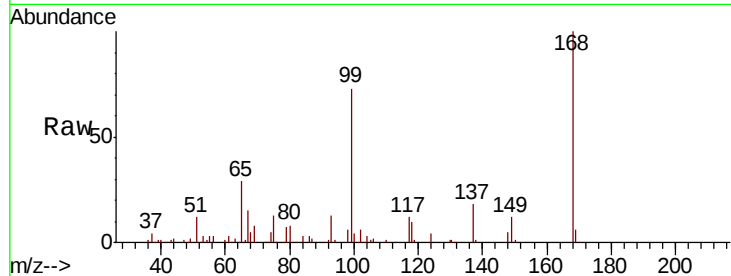
99 73.1 52.6 79.0

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#2

Dichlorodifluoromethane

Concen: 44.527 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060911.D

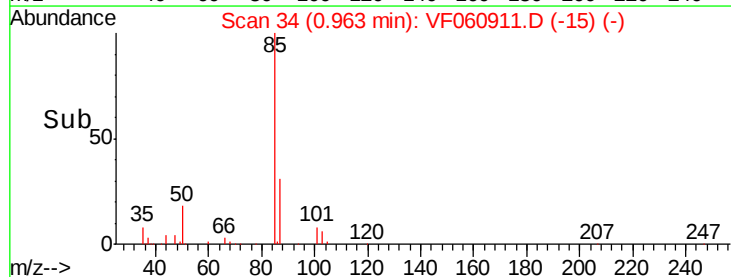
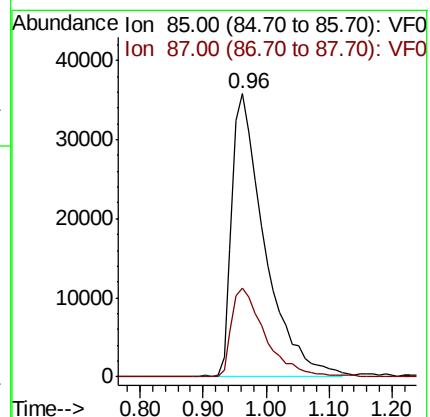
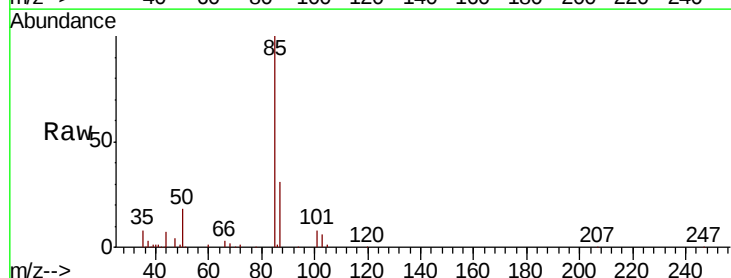
Acq: 6 Dec 2018 11:56

Tgt Ion: 85 Resp: 129756

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.0





#3

Chloromethane

Concen: 44.011 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 83456

Ion Ratio Lower Upper

50 100

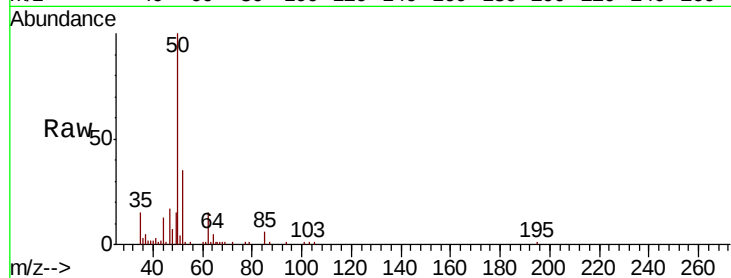
52 34.5 27.0 40.4

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

20000

15000

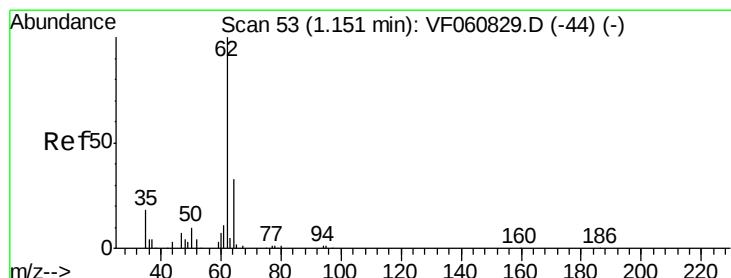
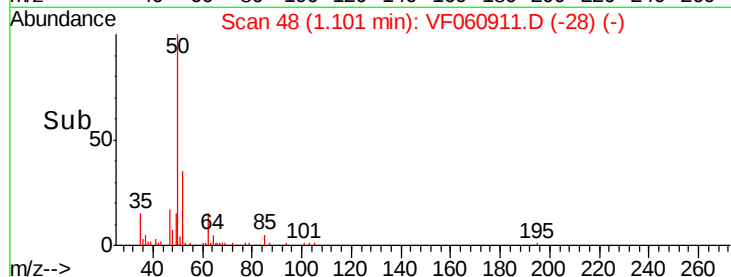
10000

5000

0

1.00 1.10 1.20 1.30

Time-->



#4

Vinyl Chloride

Concen: 47.326 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060911.D

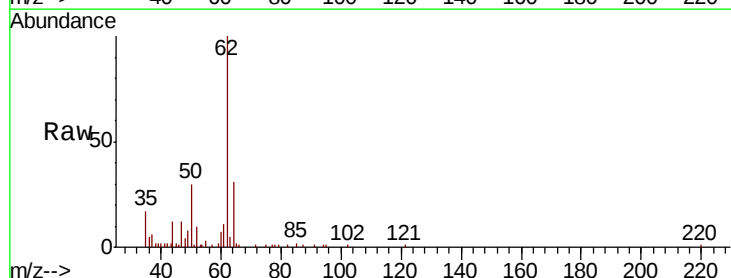
Acq: 6 Dec 2018 11:56

Tgt Ion: 62 Resp: 83709

Ion Ratio Lower Upper

62 100

64 30.5 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

20000

15000

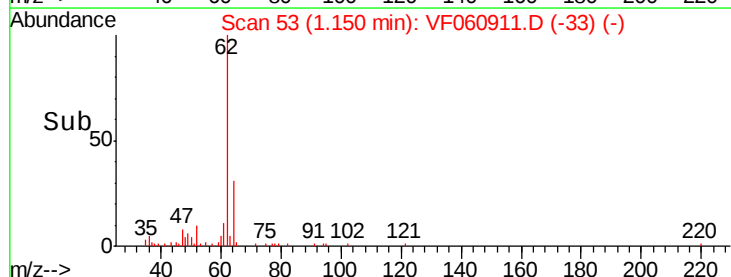
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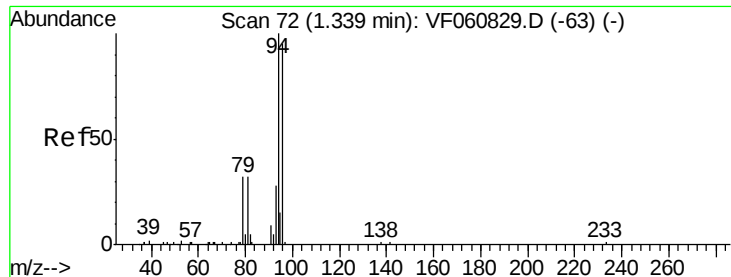
5000

0

1.00 1.10 1.20 1.30

Time-->





#5

Bromomethane

Concen: 48.035 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59911

Ion Ratio Lower Upper

94 100

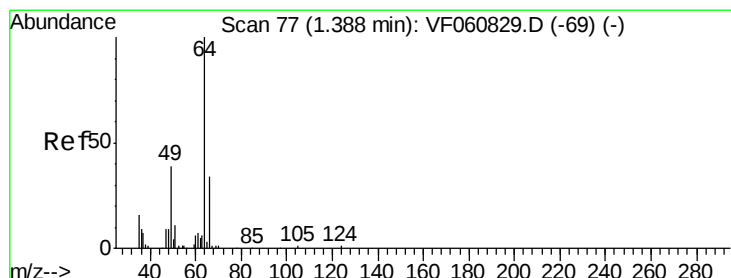
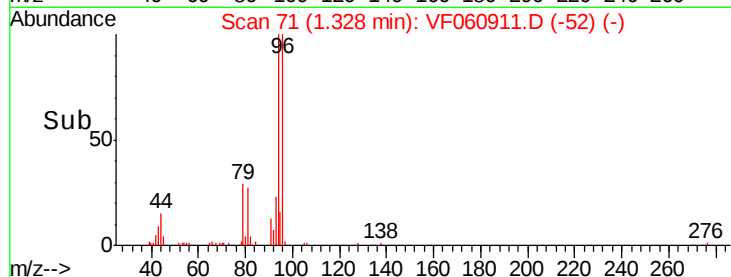
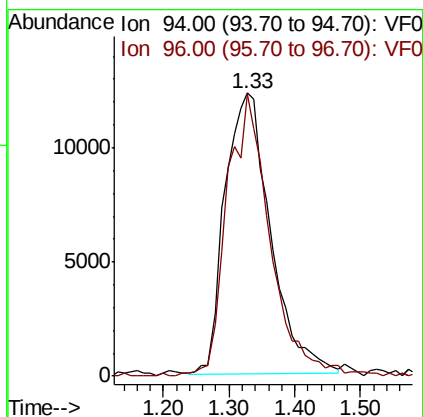
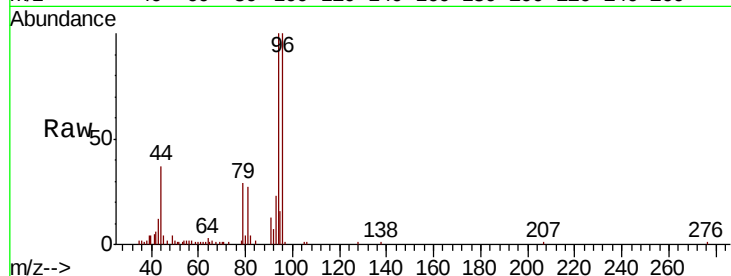
96 99.6 75.9 113.9

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#6

Chloroethane

Concen: 50.179 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060911.D

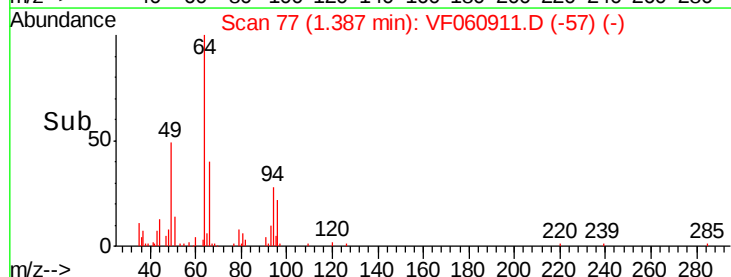
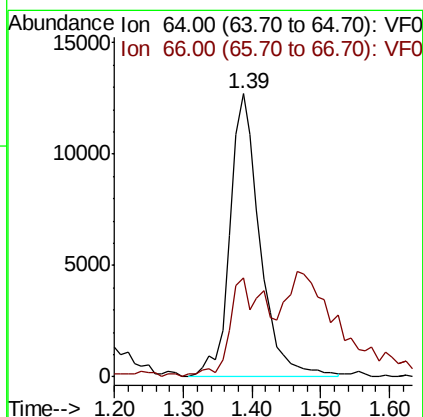
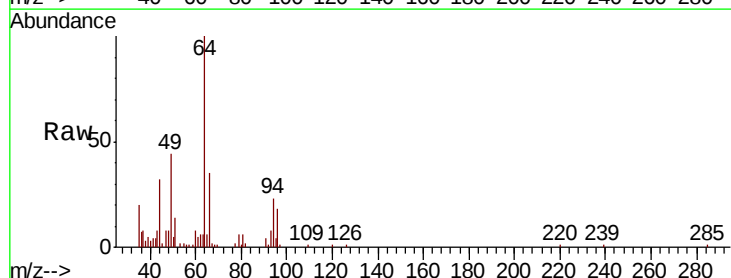
Acq: 6 Dec 2018 11:56

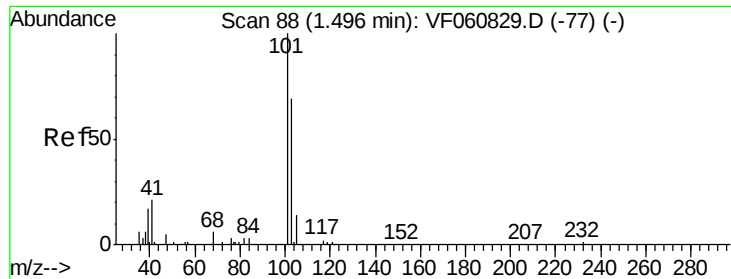
Tgt Ion: 64 Resp: 38366

Ion Ratio Lower Upper

64 100

66 35.2 28.1 42.1





#7

Trichlorofluoromethane

Concen: 49.601 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.02 min

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Acq: 6 Dec 2018 11:56

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Tot Ion:101 Resp: 188238

Ion Ratio Lower Upper

101 100

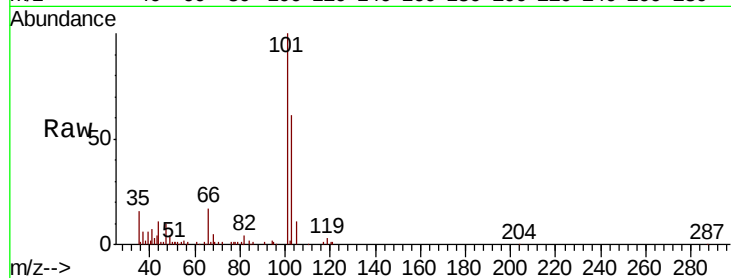
103 61.4 55.4 83.0

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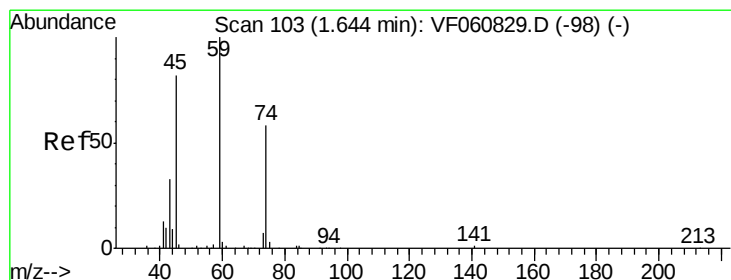
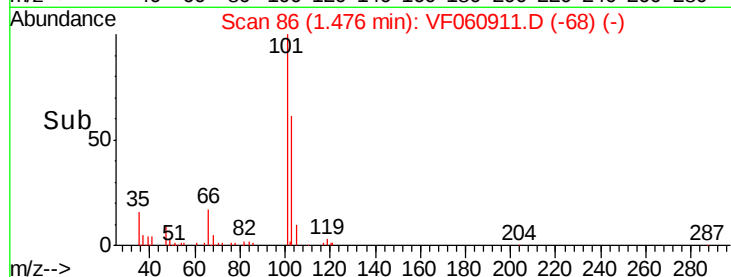
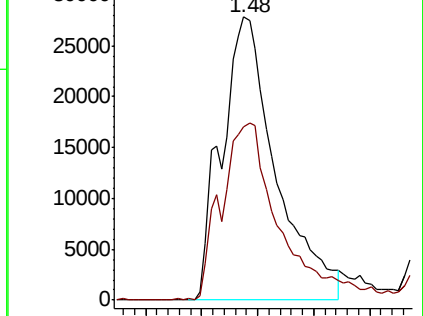
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 48.090 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF060911.D

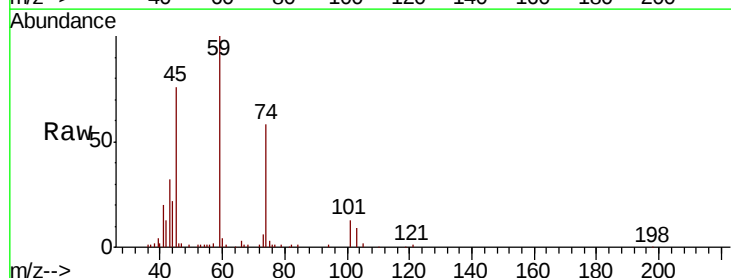
Acq: 6 Dec 2018 11:56

Tgt Ion: 74 Resp: 26244

Ion Ratio Lower Upper

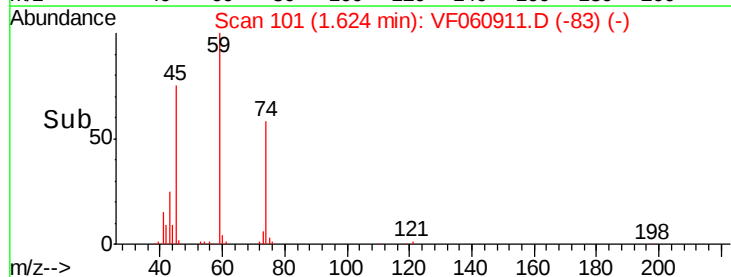
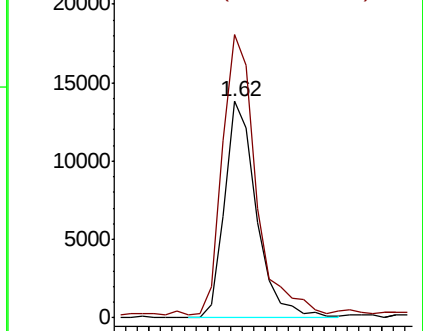
74 100

45 130.6 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.607 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

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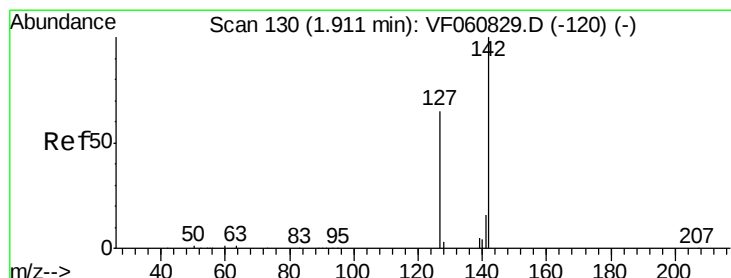
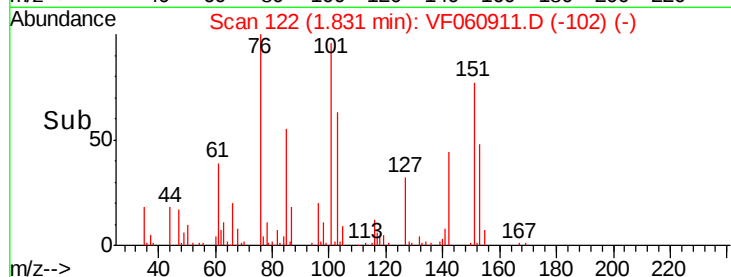
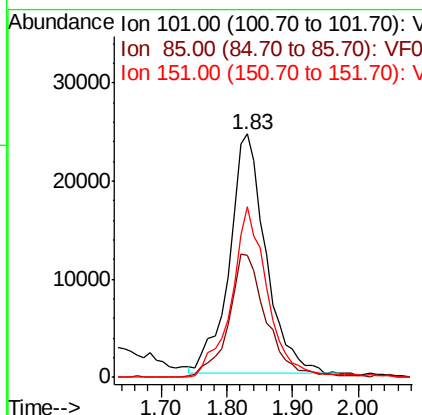
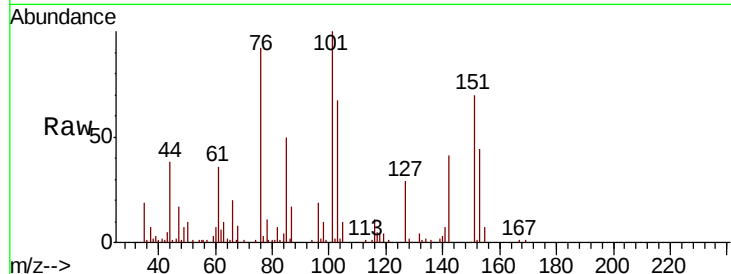
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	95176
Ion Ratio	Lower	Upper	
101	100		
85	50.1	42.8	64.2
151	70.2	54.4	81.6

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#10

Methyl Iodide

Concen: 44.146 ug/l m

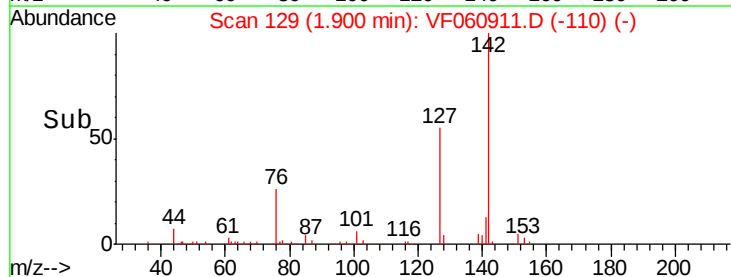
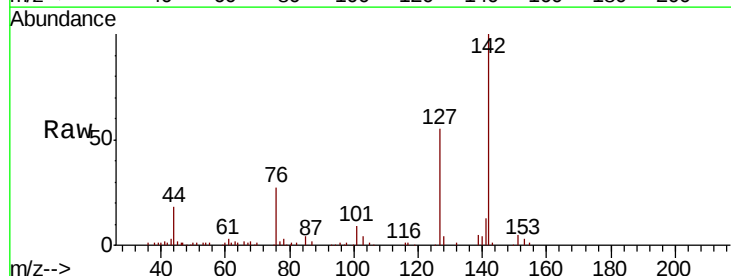
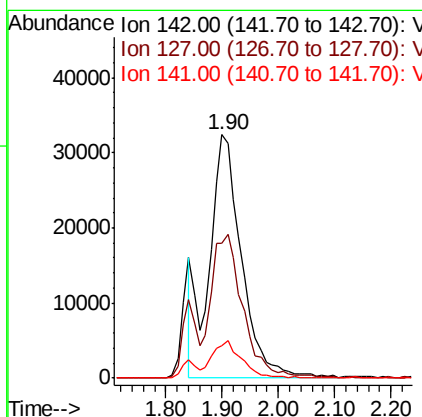
RT: 1.90 min Scan# 129

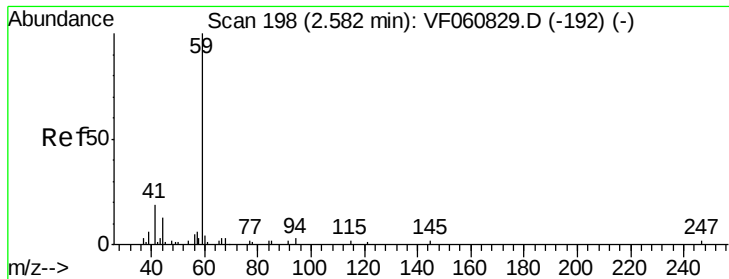
Delta R.T. -0.01 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion:	142	Resp:	128741
Ion Ratio	Lower	Upper	
142	100		
127	55.1	51.9	77.9
141	13.3	12.7	19.1





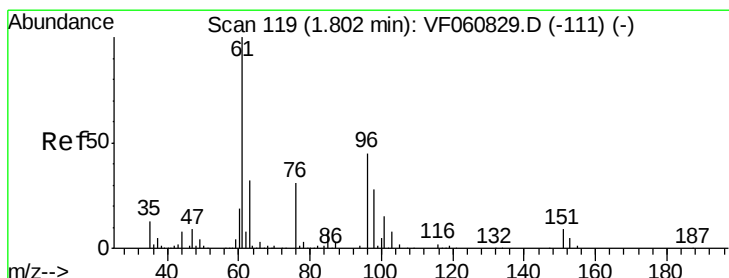
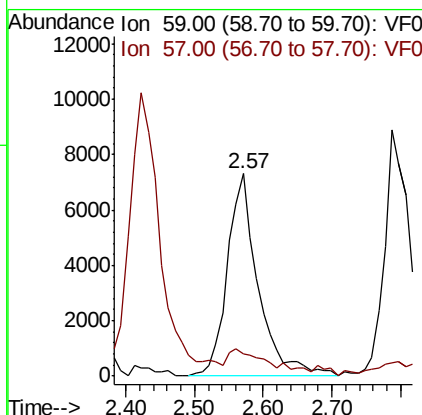
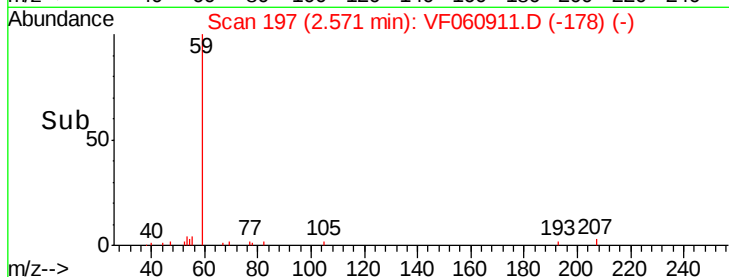
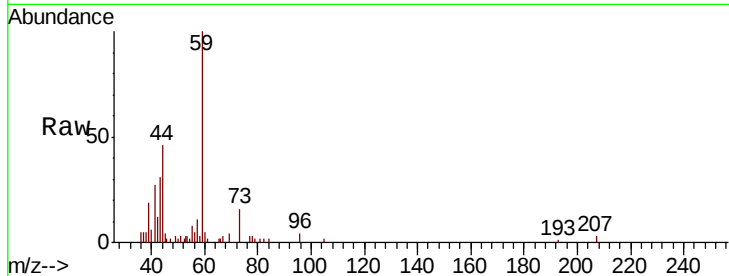
#11
Tert butyl alcohol
Concen: 241.914 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 22768
Ion Ratio Lower Upper
59 100
57 11.1 12.7 19.1#

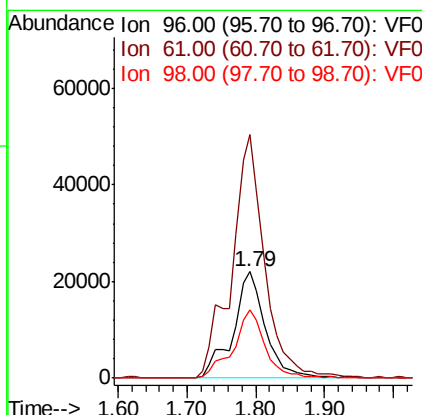
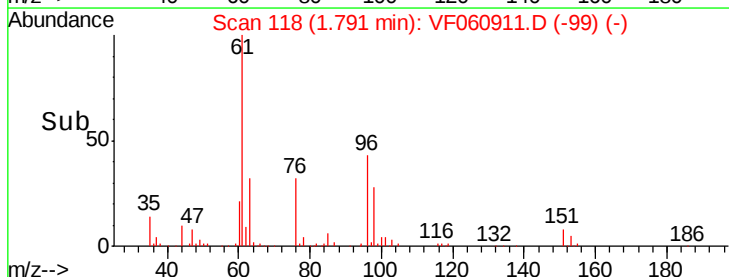
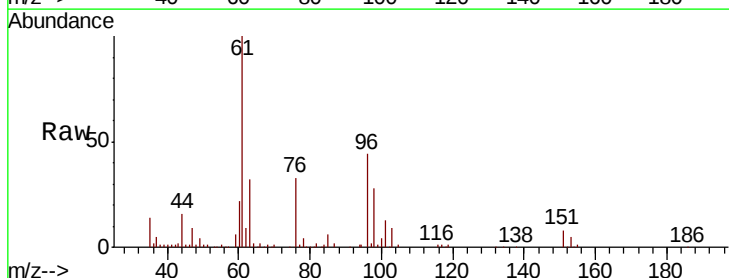
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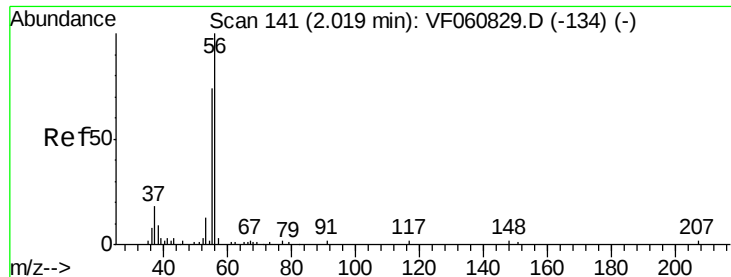
apatel
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#12
1,1-Dichloroethene
Concen: 46.508 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion: 96 Resp: 71771
Ion Ratio Lower Upper
96 100
61 229.6 177.3 265.9
98 64.8 49.6 74.4





#13

Acrolein

Concen: 223.568 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 19936

Ion Ratio Lower Upper

56 100

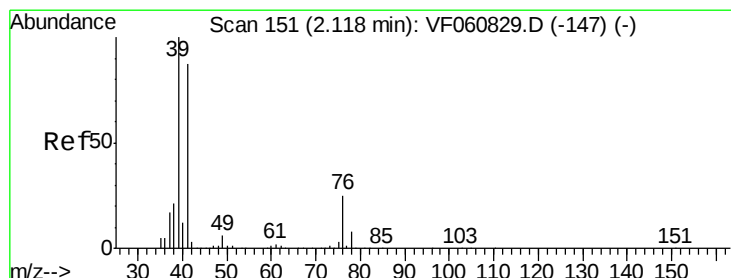
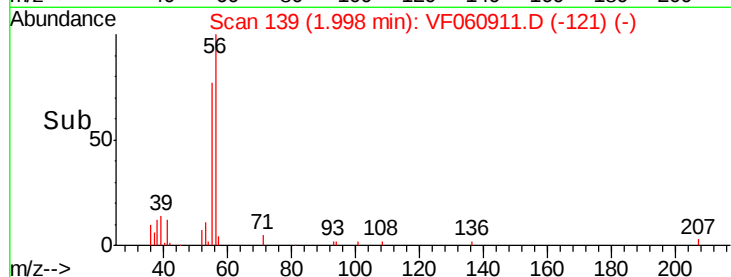
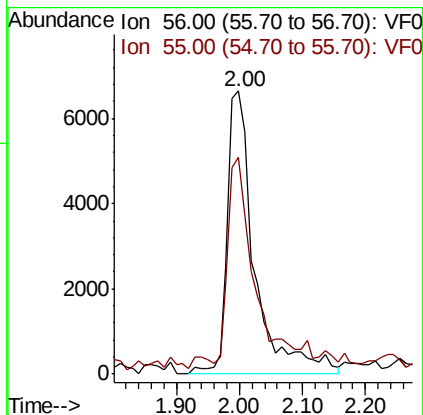
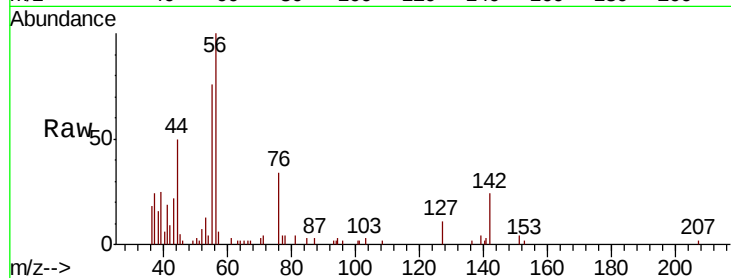
55 76.5 61.2 91.8

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#14

Allyl chloride

Concen: 51.127 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

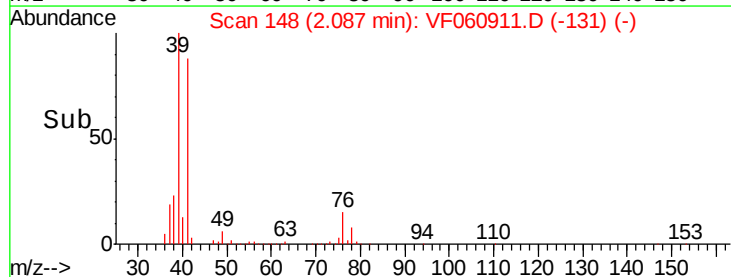
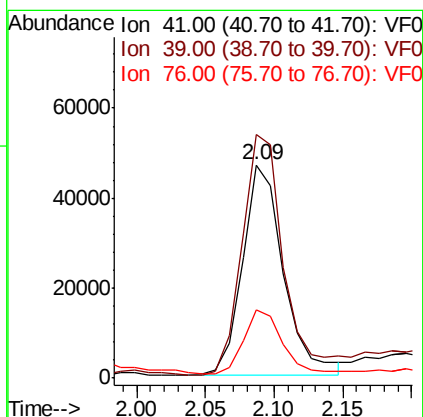
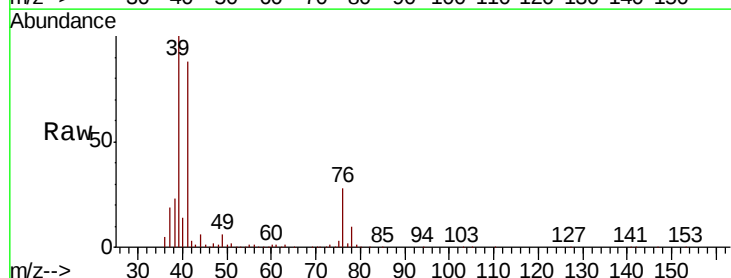
Tgt Ion: 41 Resp: 98340

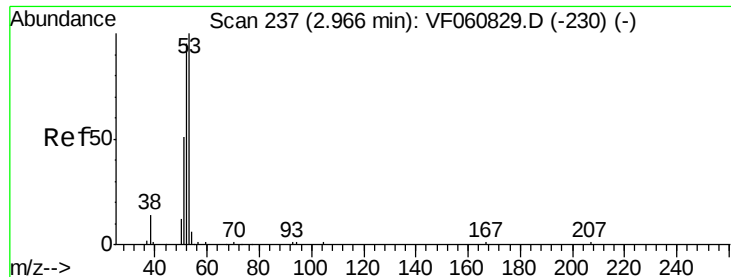
Ion Ratio Lower Upper

41 100

39 114.1 91.7 137.5

76 32.0 23.5 35.3





#15

Acrylonitrile

Concen: 214.885 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

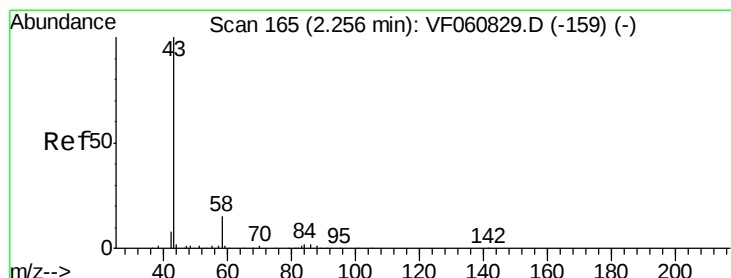
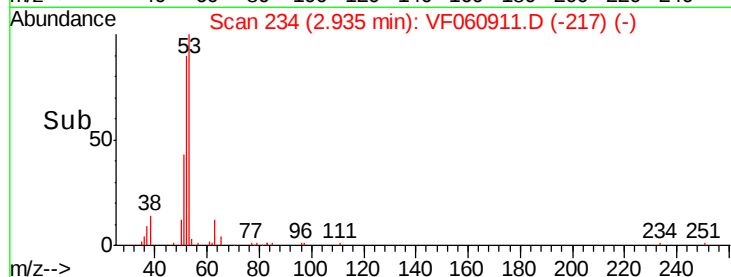
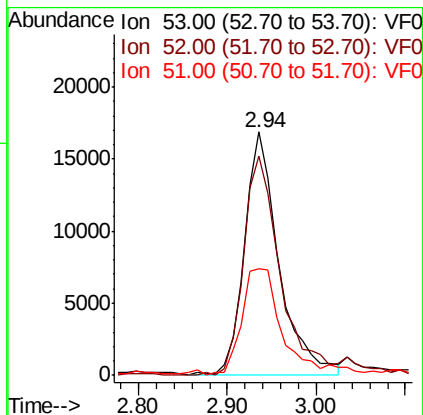
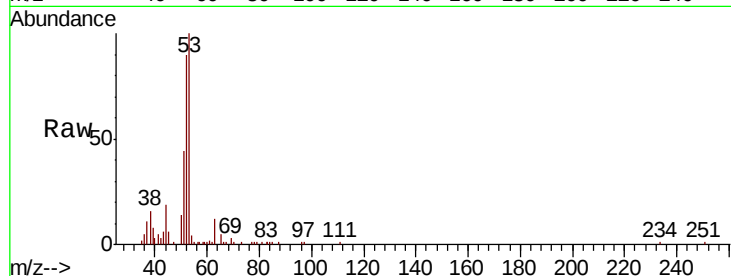
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	45341
Ion	Ratio	Lower	Upper
53	100		
52	90.3	76.5	114.7
51	43.9	40.7	61.1

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#16

Acetone

Concen: 295.795 ug/l

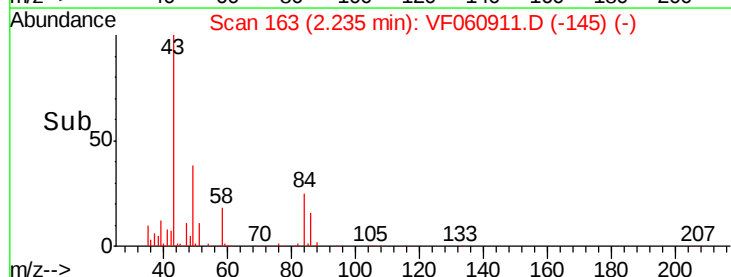
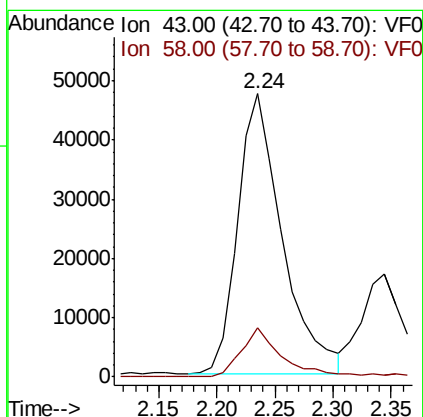
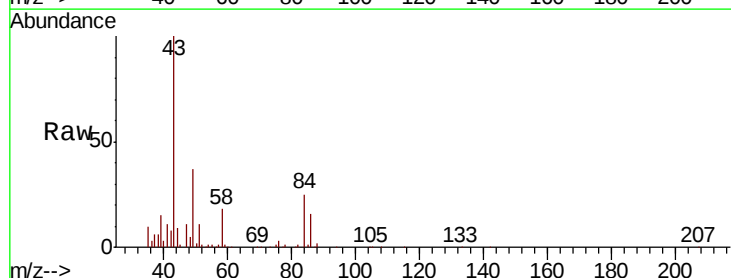
RT: 2.24 min Scan# 163

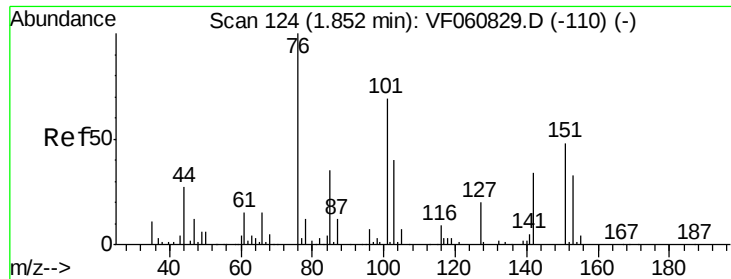
Delta R.T. -0.02 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion:	43	Resp:	125235
Ion	Ratio	Lower	Upper
43	100		
58	17.6	11.4	17.2#





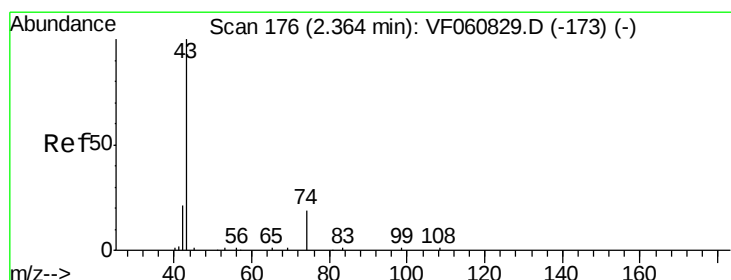
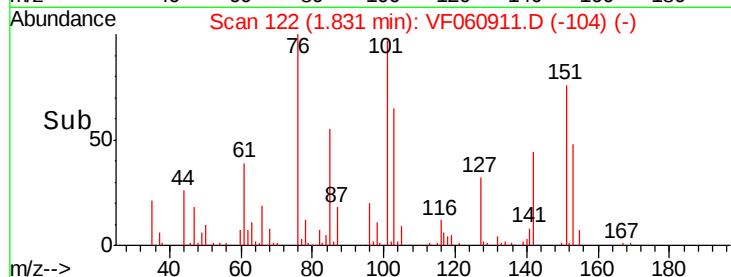
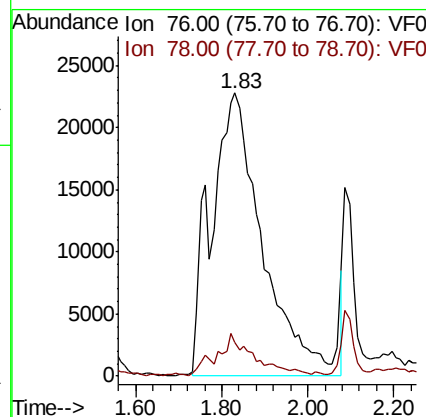
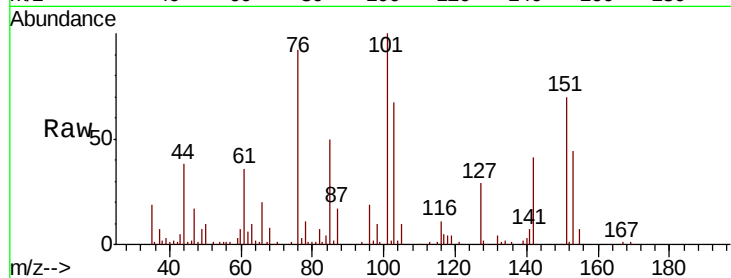
#17
Carbon Disulfide
Concen: 46.883 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 193990
Ion Ratio Lower Upper
76 100
78 11.7 10.2 15.2

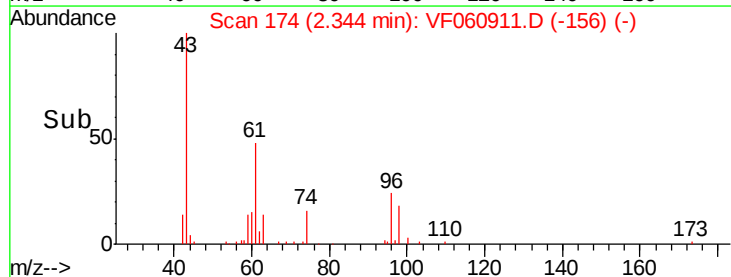
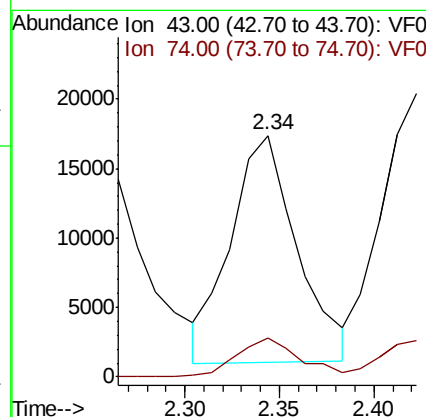
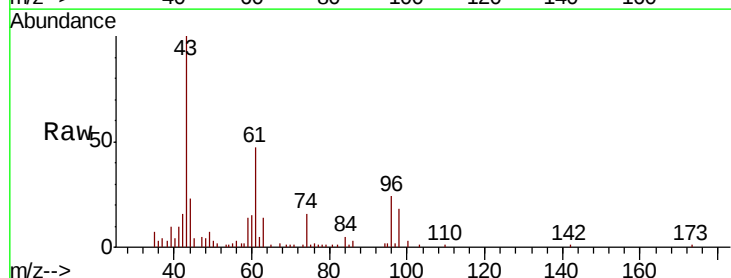
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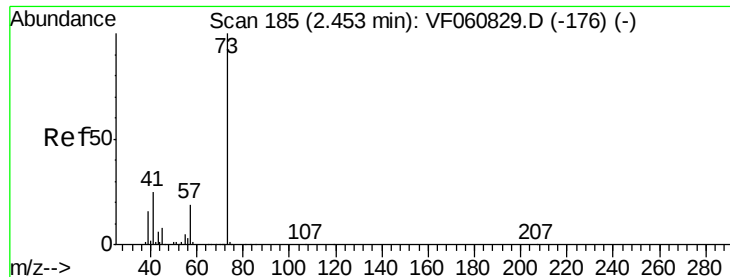
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#18
Methyl Acetate
Concen: 56.419 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion: 43 Resp: 39924
Ion Ratio Lower Upper
43 100
74 16.3 13.3 19.9





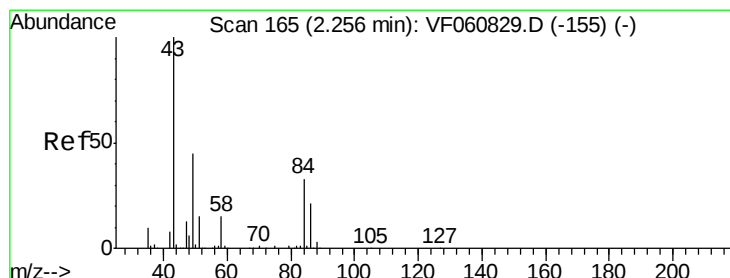
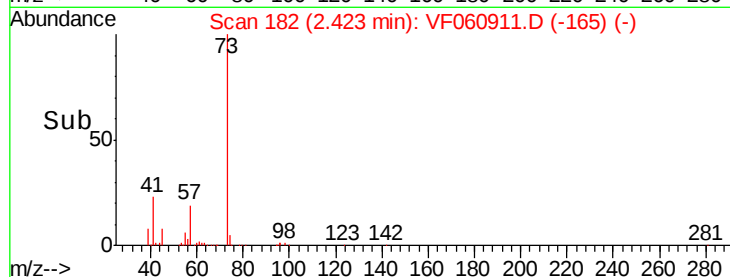
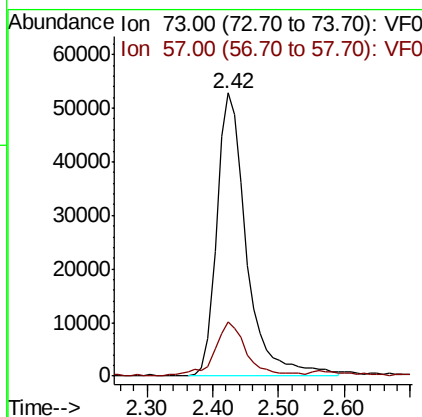
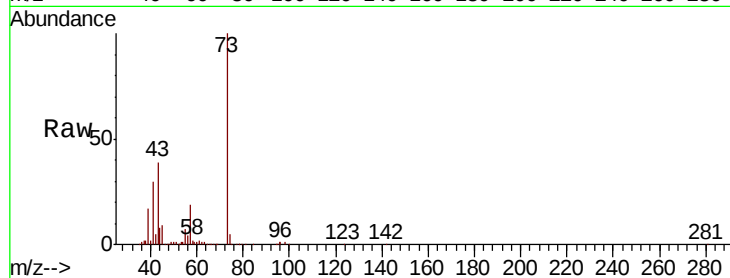
#19
Methvl tert-butvl Ether
Concen: 47.799 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	15.3	22.9

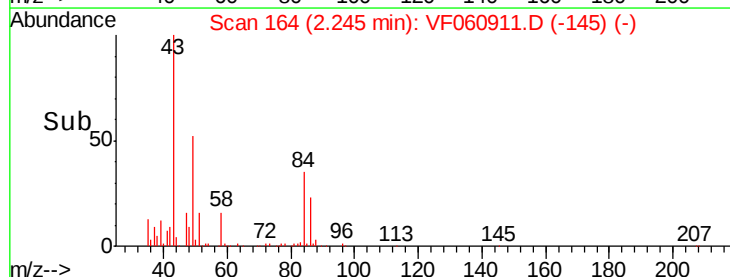
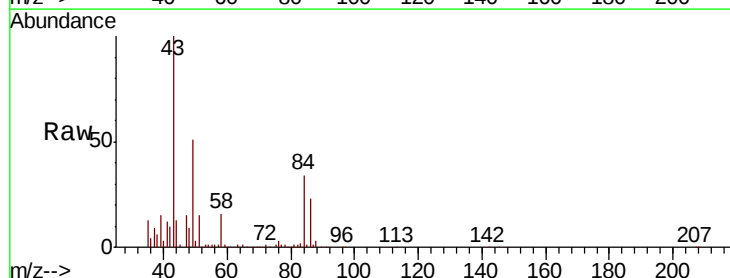
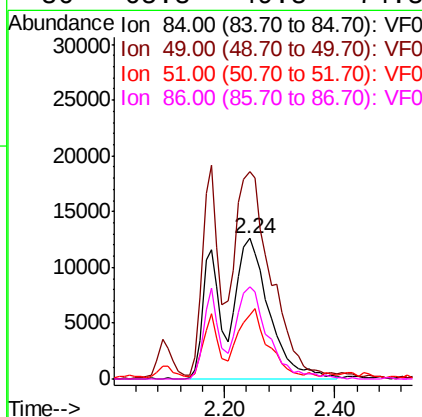
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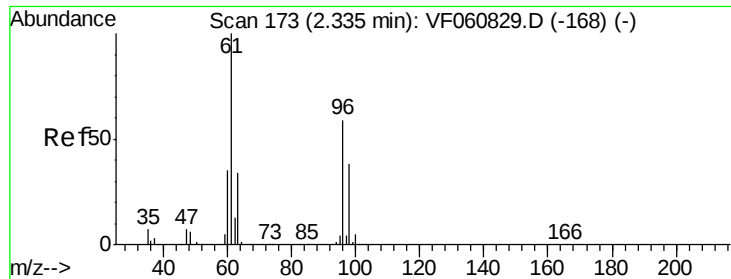
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#20
Methylene Chloride
Concen: 49.578 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	111.3	166.9
51	45.1	38.0	57.0
86	65.8	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 49.863 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

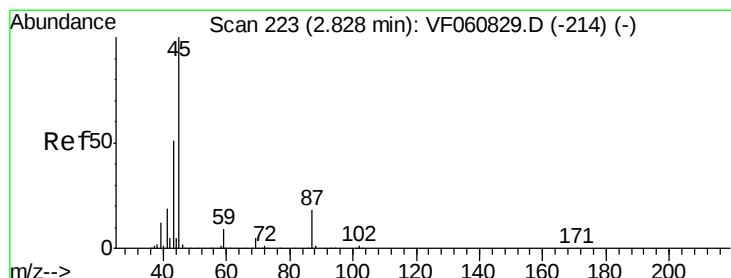
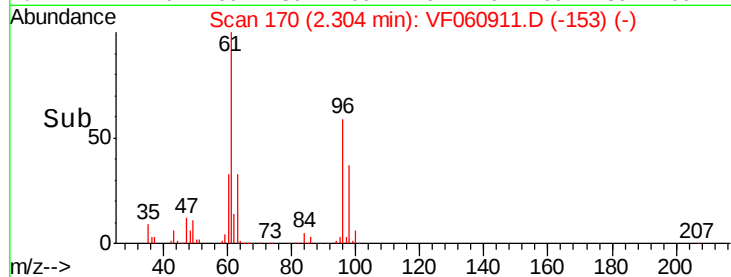
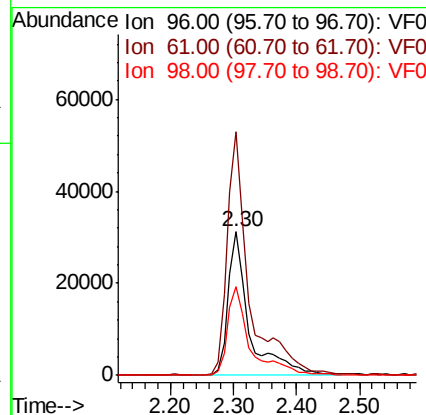
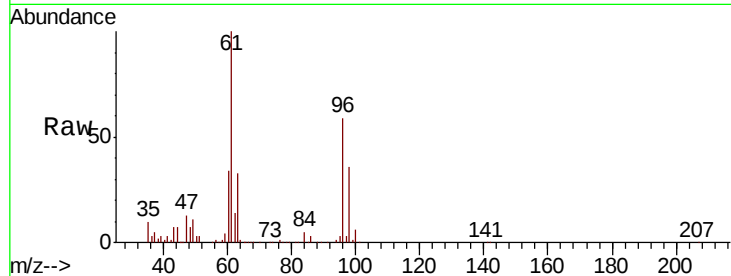
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	74184
Ion	Ratio	Lower	Upper
96	100		
61	169.4	134.5	201.7
98	61.7	51.6	77.4

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#22

Diisopropyl ether

Concen: 50.827 ug/l

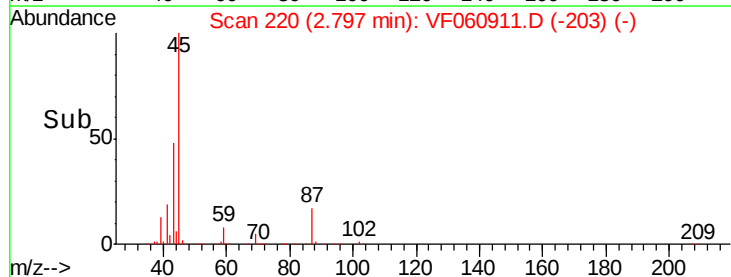
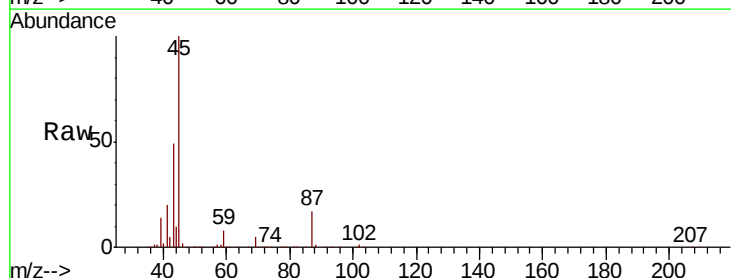
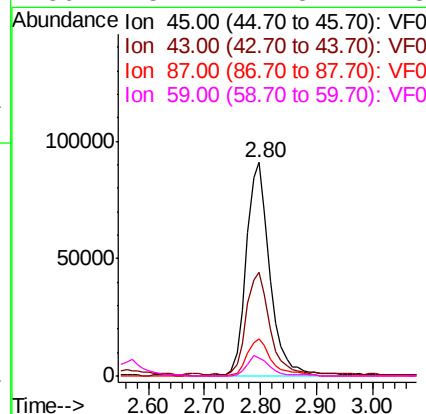
RT: 2.80 min Scan# 220

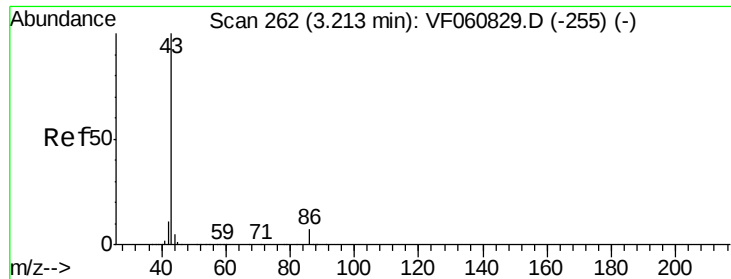
Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion:	45	Resp:	266110
Ion	Ratio	Lower	Upper
45	100		
43	48.5	41.0	61.6
87	17.4	14.6	22.0
59	8.4	7.5	11.3





#23

Vinyl Acetate

Concen: 270.697 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 647850

Ion Ratio Lower Upper

43 100

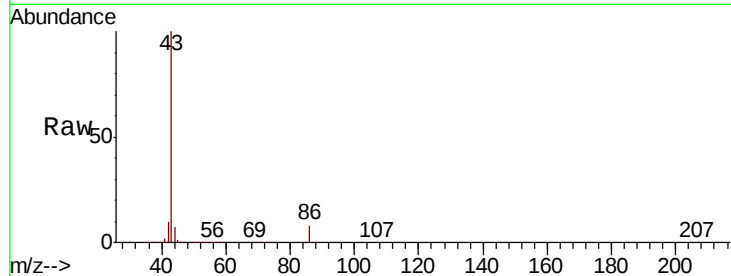
86 7.5 5.4 8.0

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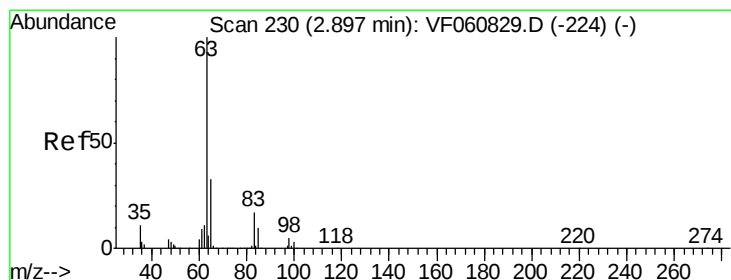
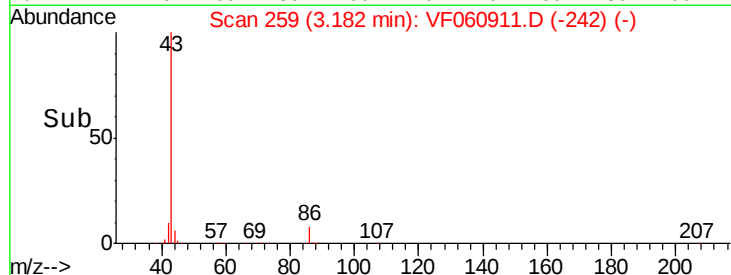
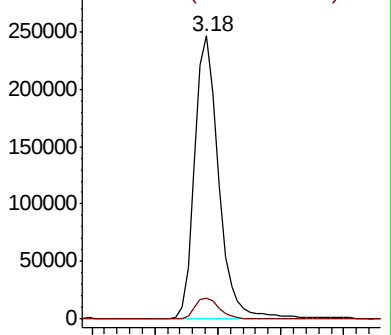
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 50.425 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

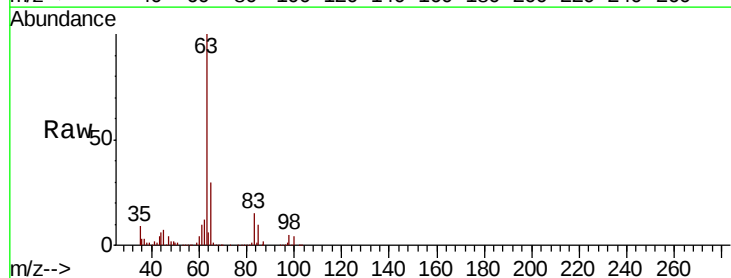
Tgt Ion: 63 Resp: 157074

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

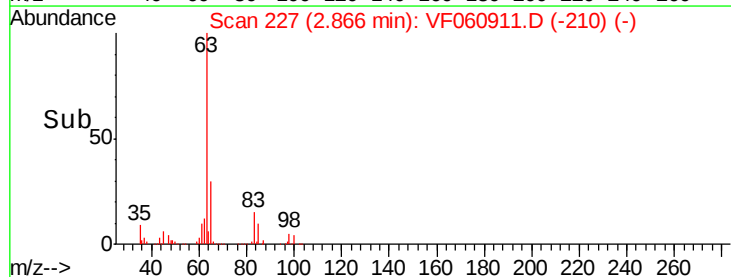
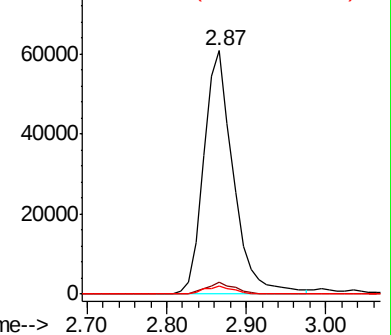
100 3.6 1.5 4.5

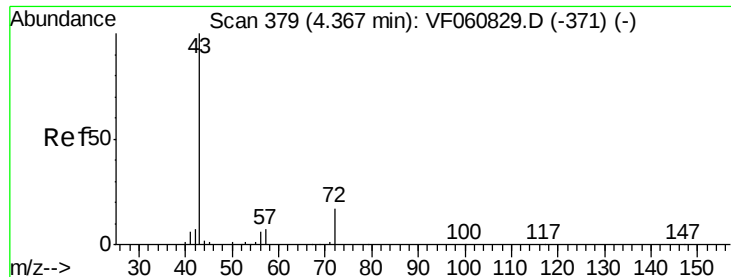


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 261.068 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 191182

Ion Ratio Lower Upper

43 100

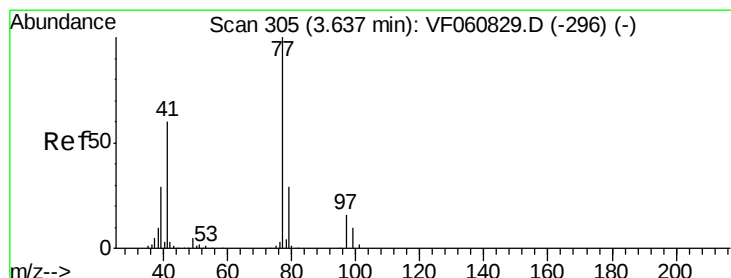
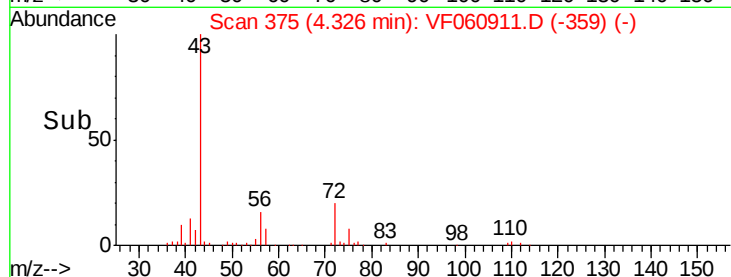
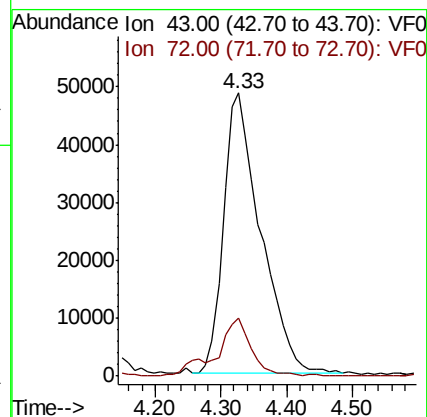
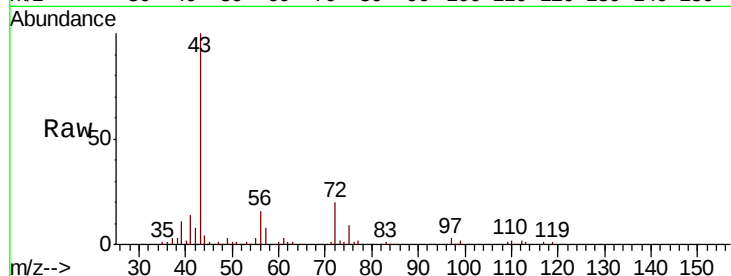
72 20.5 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 48.543 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060911.D

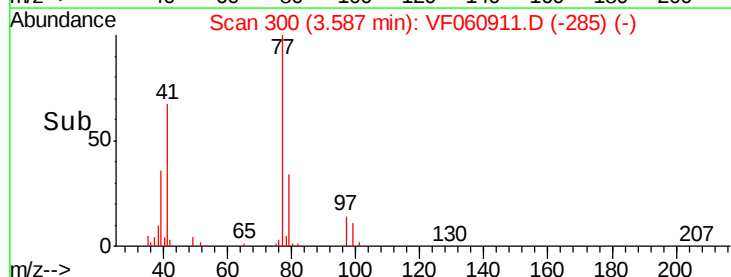
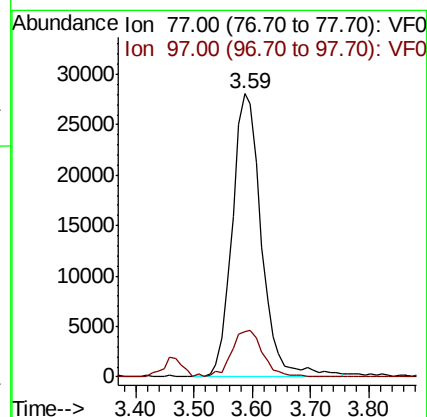
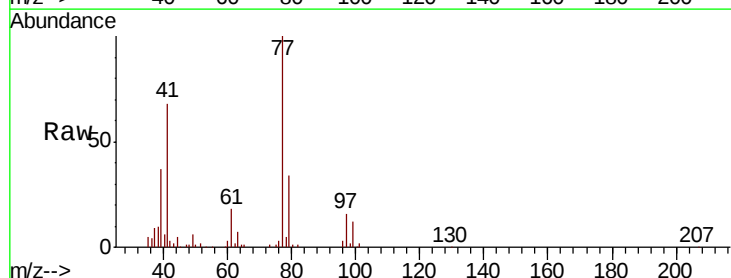
Acq: 6 Dec 2018 11:56

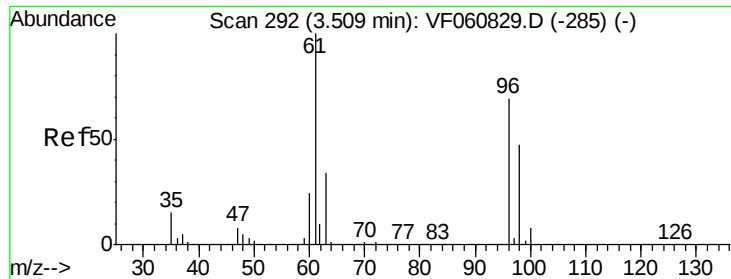
Tgt Ion: 77 Resp: 98033

Ion Ratio Lower Upper

77 100

97 16.1 8.6 25.8





#27

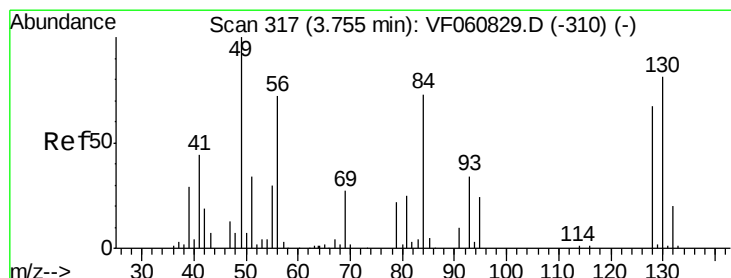
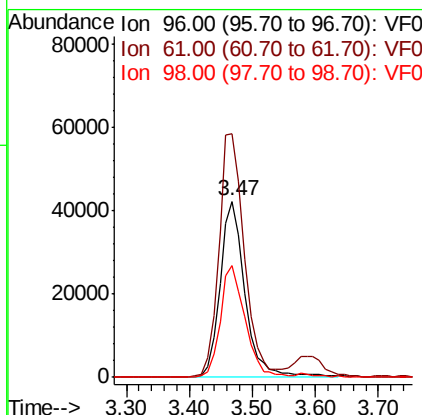
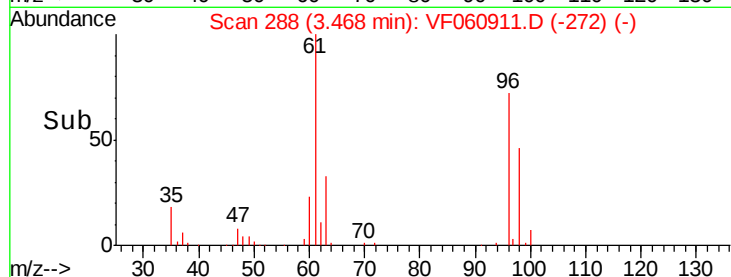
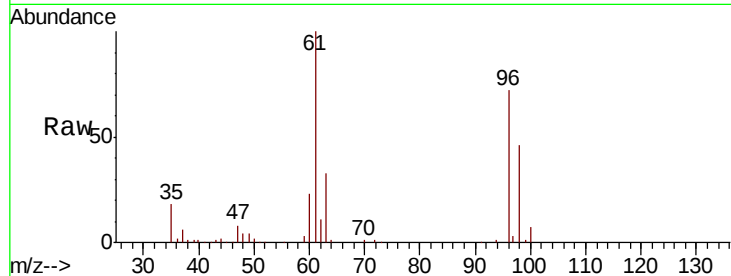
cis-1,2-Dichloroethene
Concen: 48.300 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116987		
61	138.1	0.0	290.6	
98	63.2	0.0	137.8	

Manual Integrations
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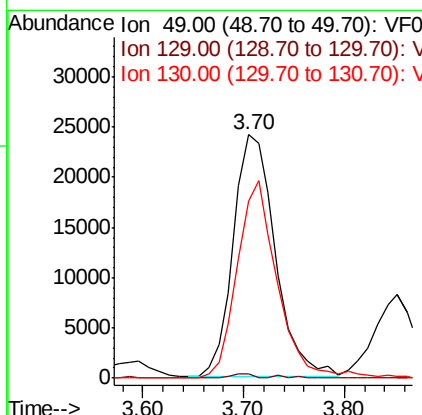
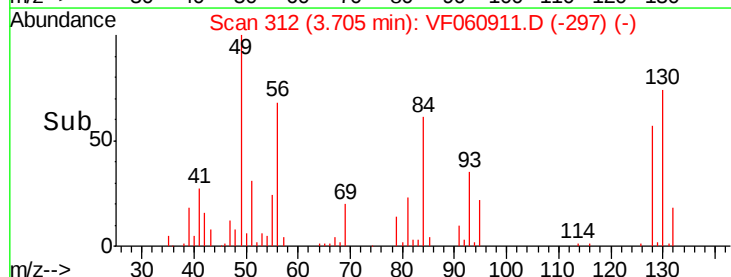
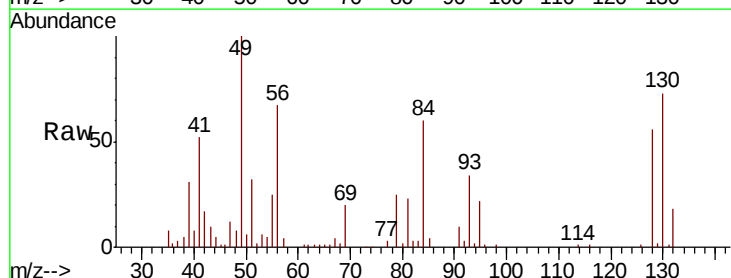
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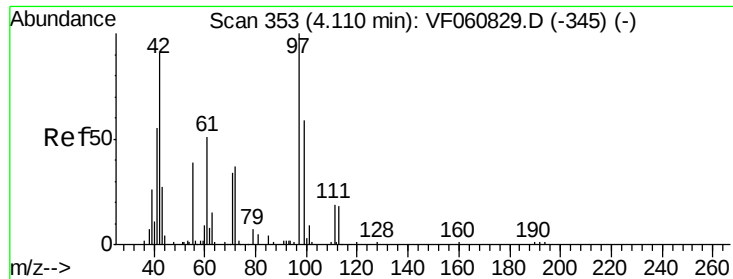


#28

Bromochloromethane
Concen: 46.491 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.05 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69502		
129	1.7	0.0	4.4	
130	72.7	64.2	96.4	





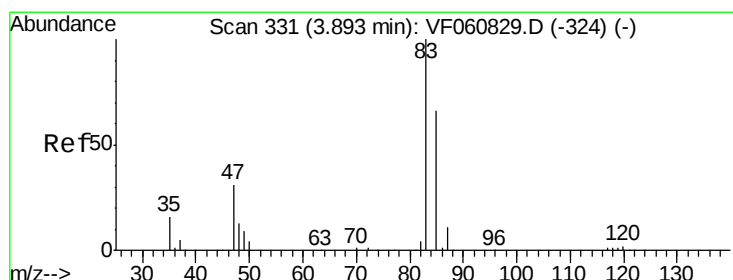
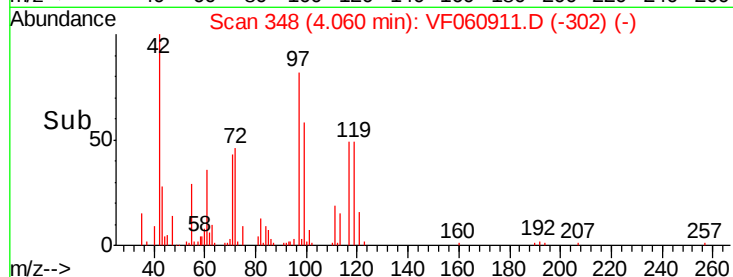
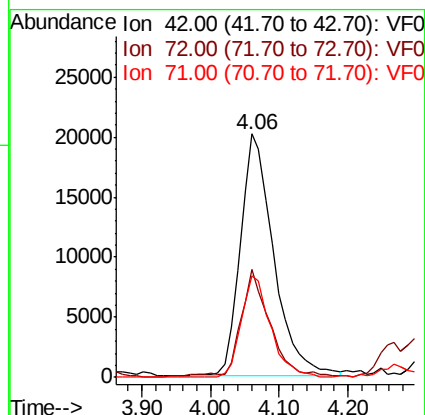
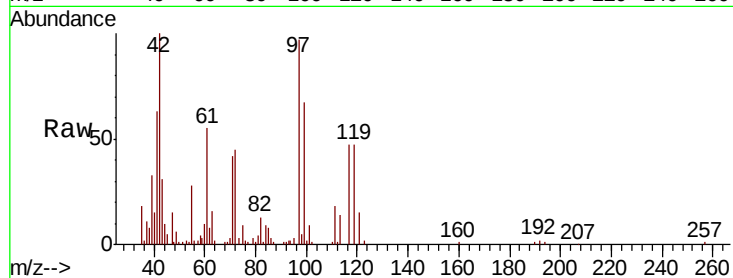
#29
Tetrahydrofuran
Concen: 218.179 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.05 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.9	47.9
71	36.6	28.7	43.1

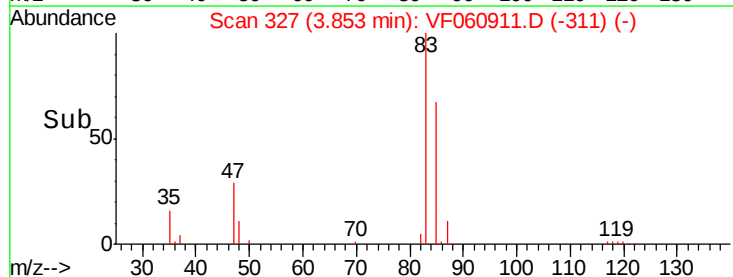
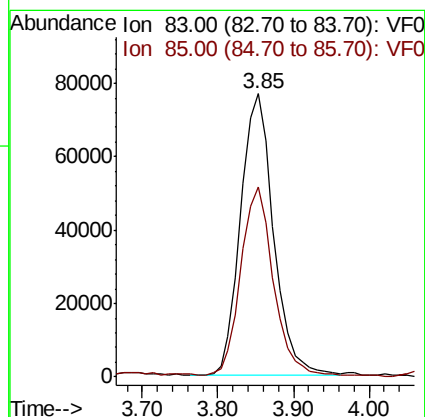
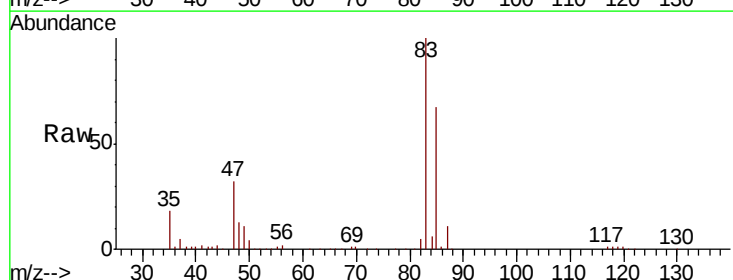
Manual Integrations
APPROVED

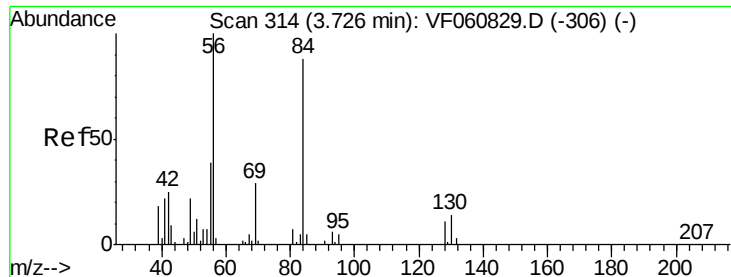
apatel
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#30
Chloroform
Concen: 48.323 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.4	80.2





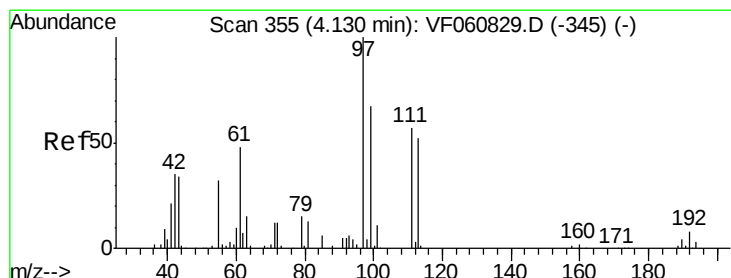
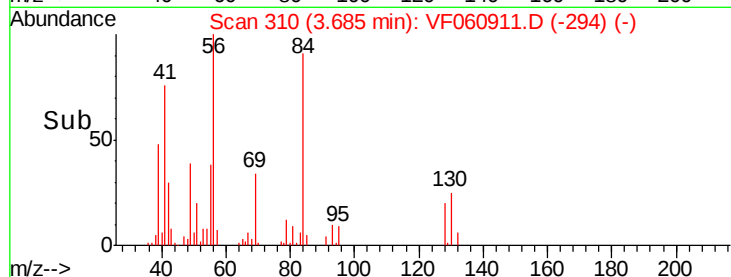
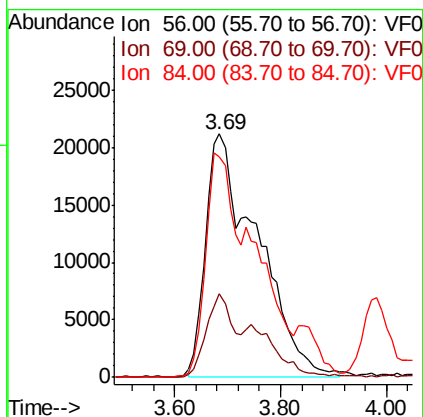
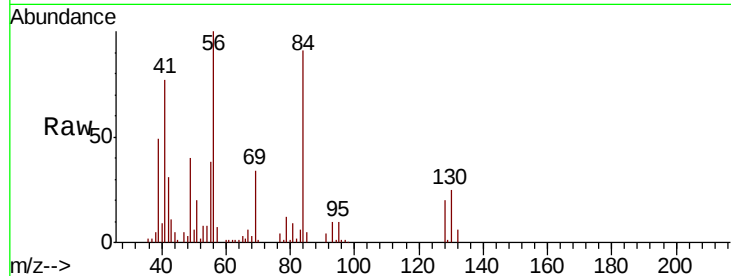
#31
Cyclohexane
Concen: 44.006 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	23.0	34.4
84	90.5	70.4	105.6

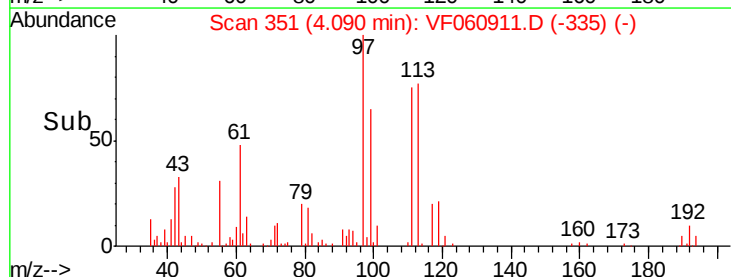
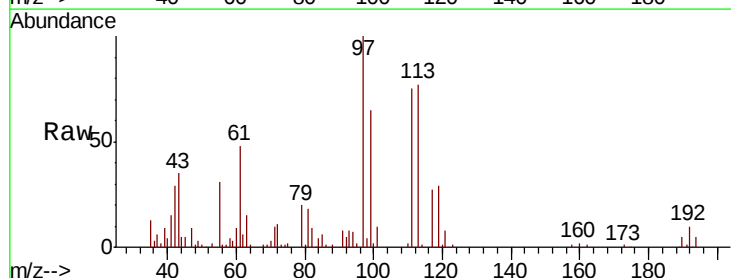
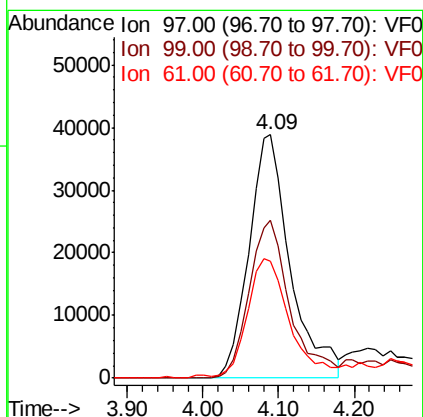
Manual Integrations
APPROVED

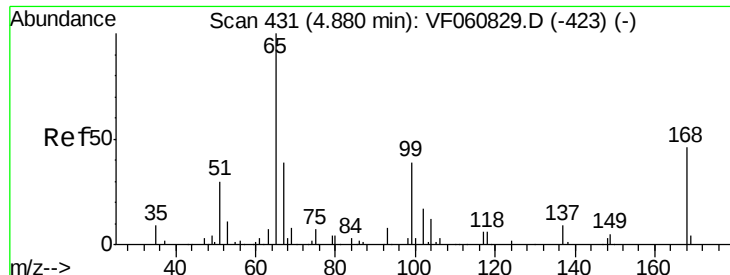
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#32
1,1,1-Trichloroethane
Concen: 44.500 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	53.5	80.3
61	47.8	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 50.569 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 116104

Ion Ratio Lower Upper

65 100

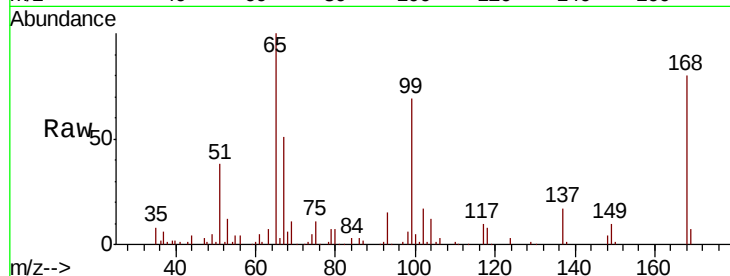
67 51.0 0.0 96.4

Manual Integrations

APPROVED

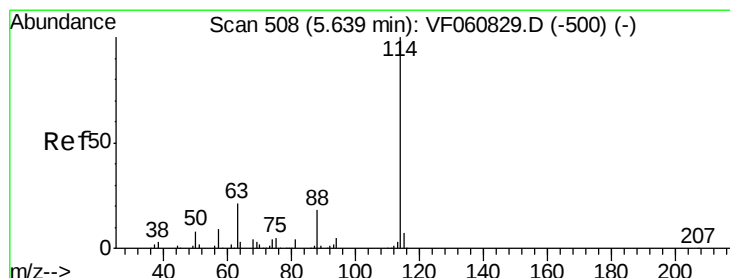
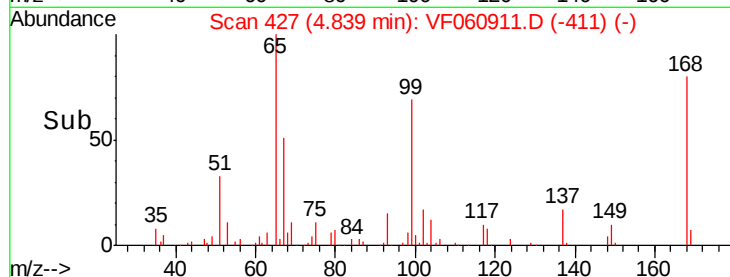
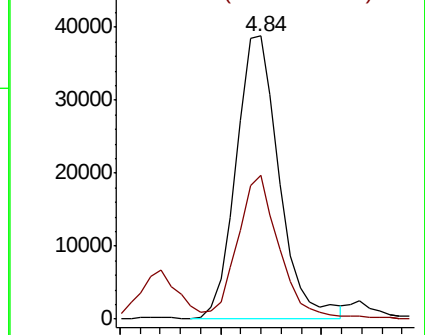
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

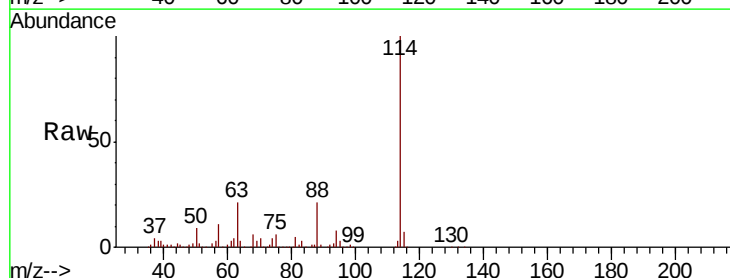
Tgt Ion: 114 Resp: 323790

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

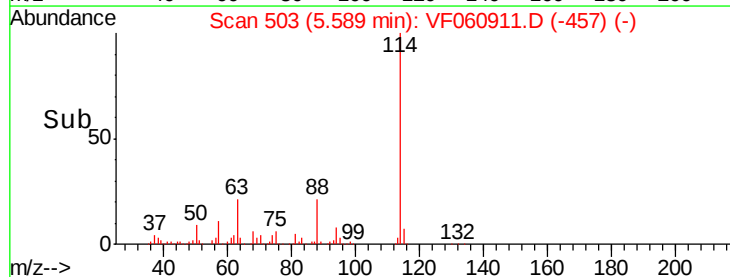
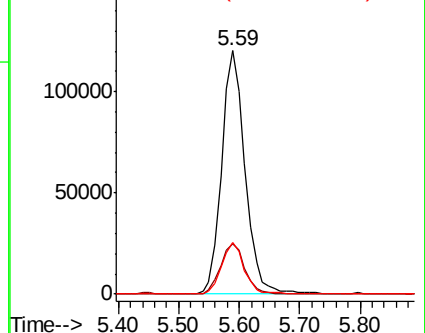
88 21.0 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





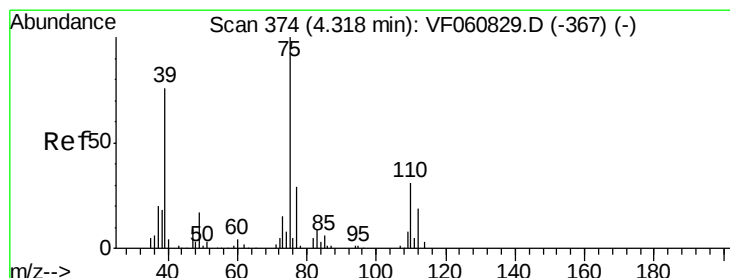
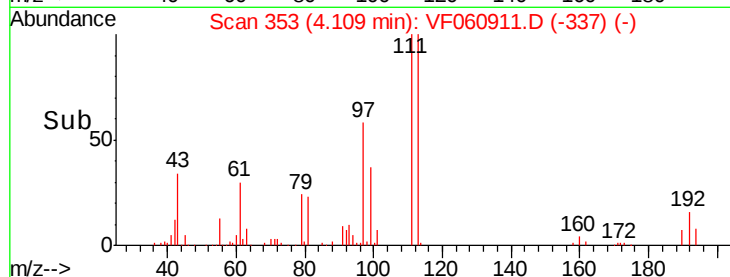
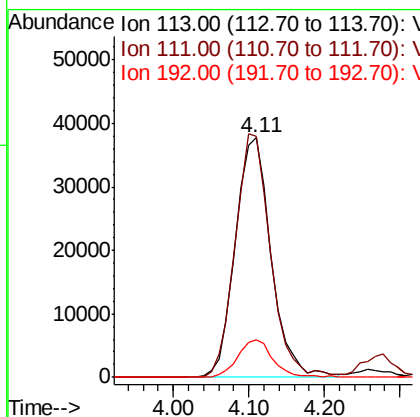
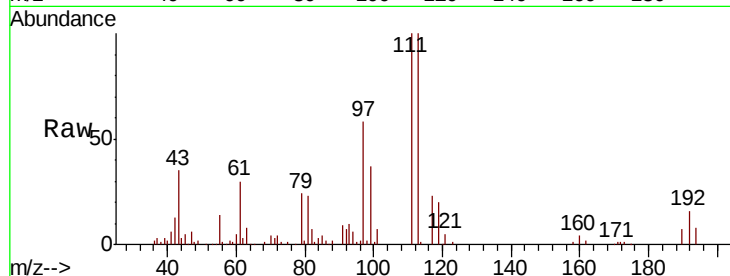
#35
Dibromofluoromethane
Concen: 48.237 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123908		
111	100.5	83.0	124.6	
192	15.7	12.3	18.5	

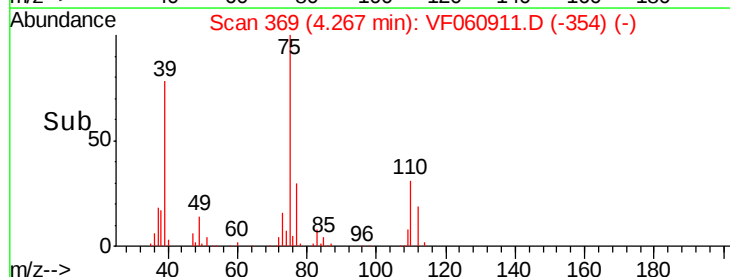
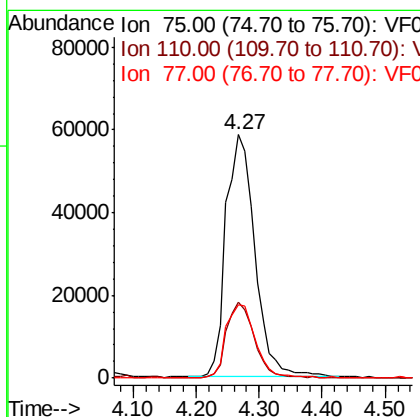
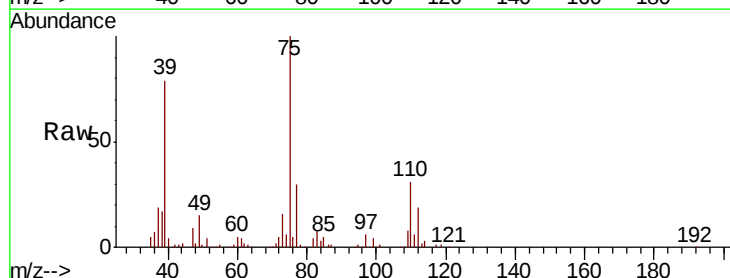
Manual Integrations
APPROVED

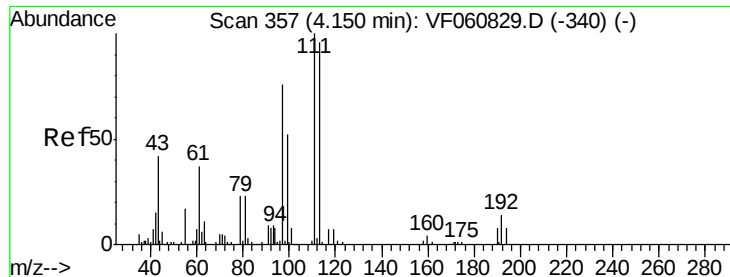
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#36
1,1-Dichloropropene
Concen: 51.813 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.05 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186079		
110	31.3	15.6	46.8	
77	30.1	23.4	35.0	





#37

Ethyl Acetate

Concen: 43.108 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

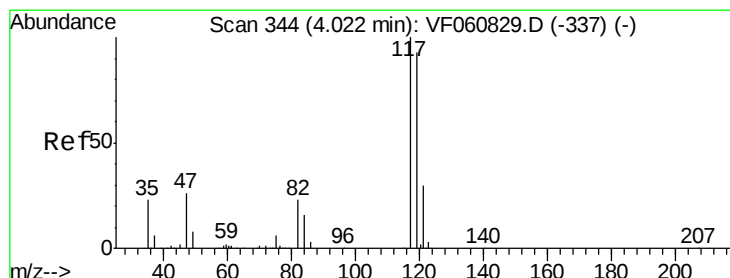
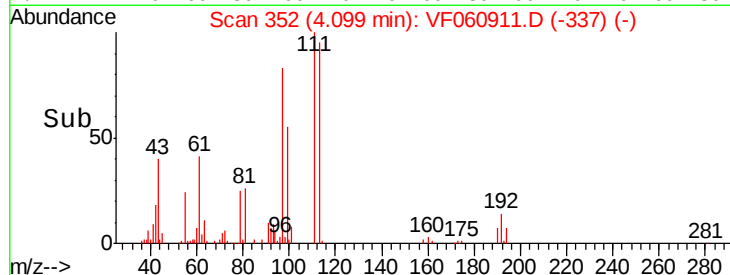
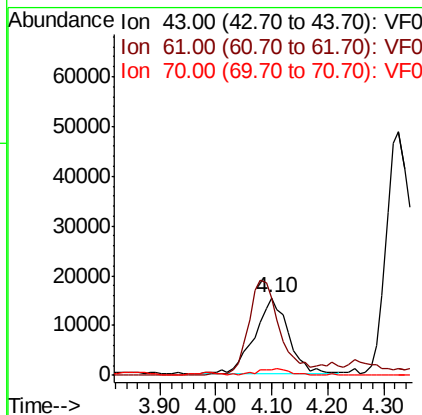
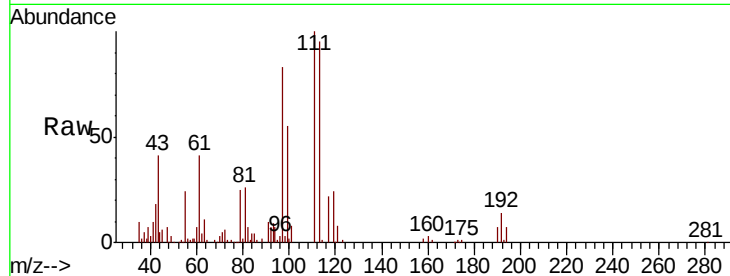
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	62913
Ion	Ratio	Lower	Upper
43	100		
61	99.5	68.6	103.0
70	6.4	9.0	13.4#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 44.369 ug/l

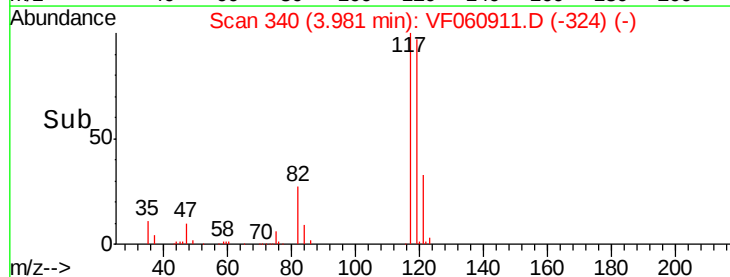
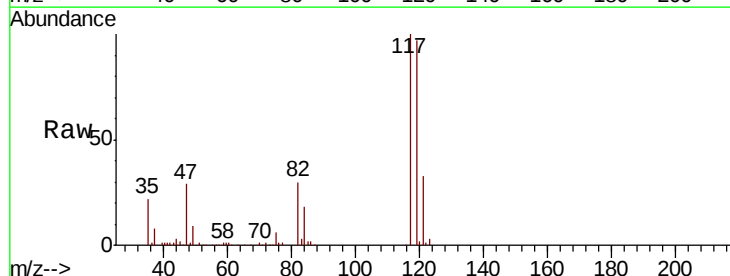
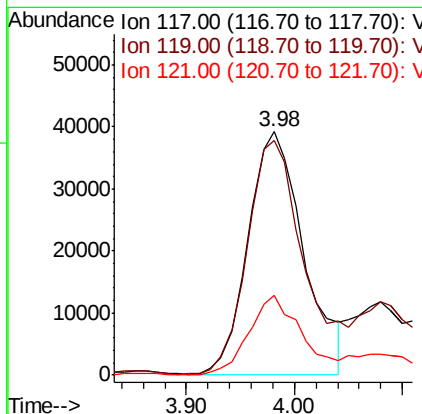
RT: 3.98 min Scan# 340

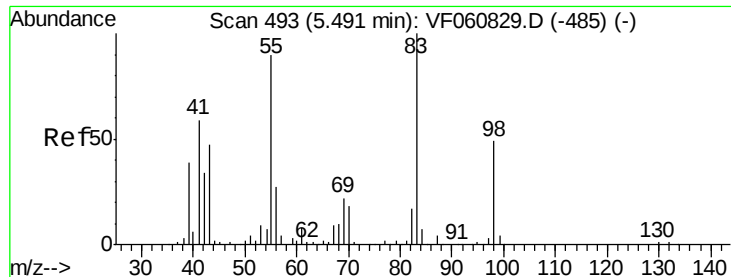
Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion:	117	Resp:	140743
Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.4	111.6
121	32.6	23.5	35.3





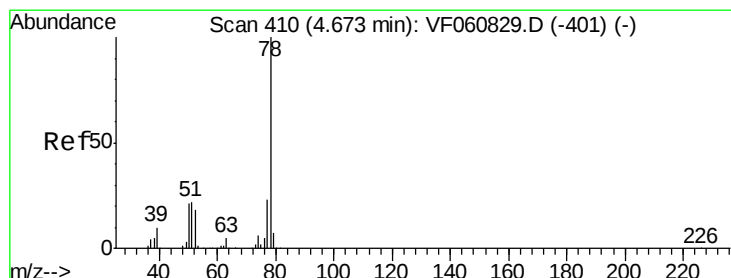
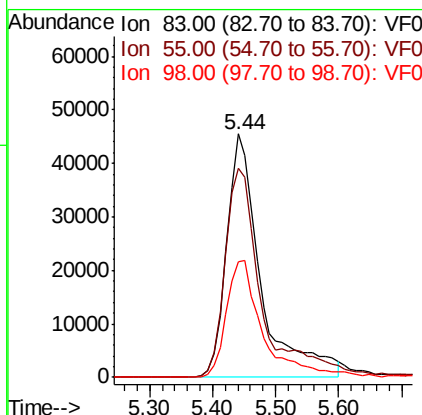
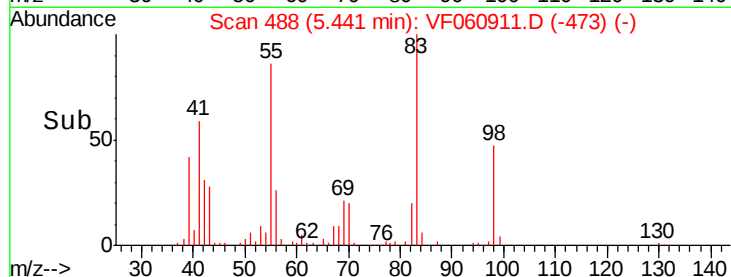
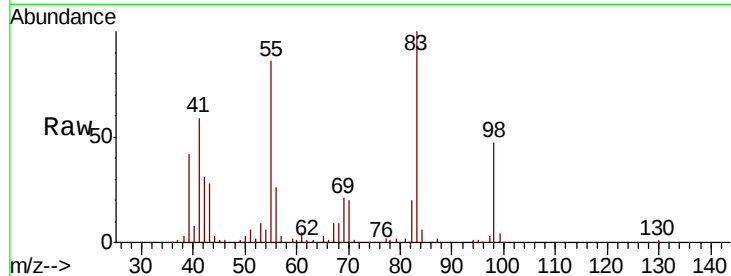
#39
Methvlcvclohexane
Concen: 45.697 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	72.1	108.1
98	47.5	39.1	58.7

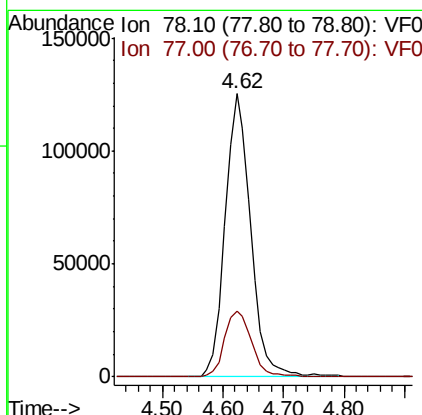
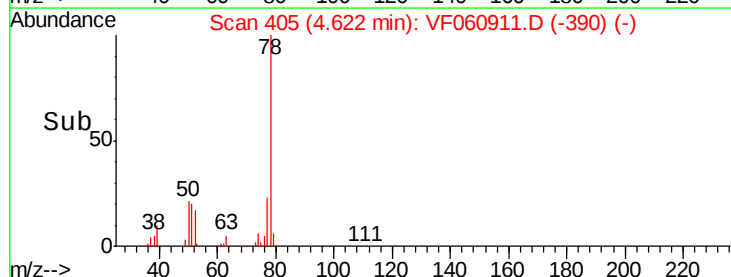
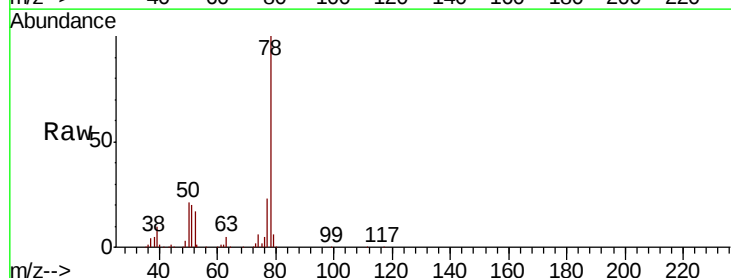
Manual Integrations
APPROVED

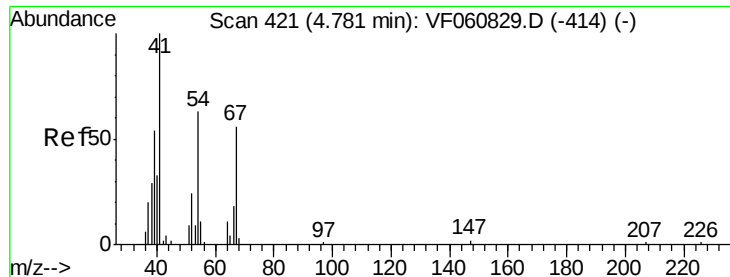
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#40
Benzene
Concen: 46.303 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





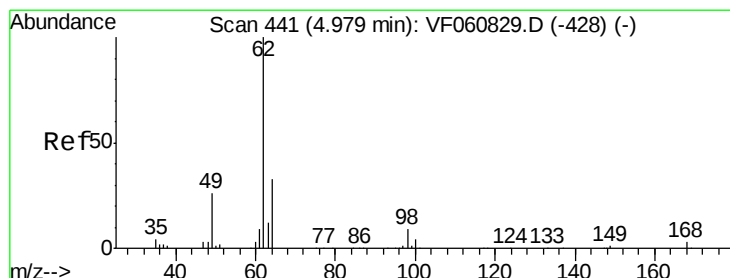
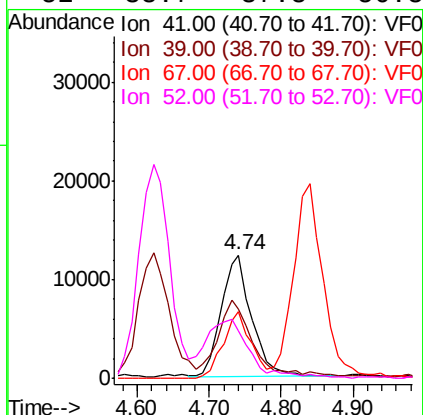
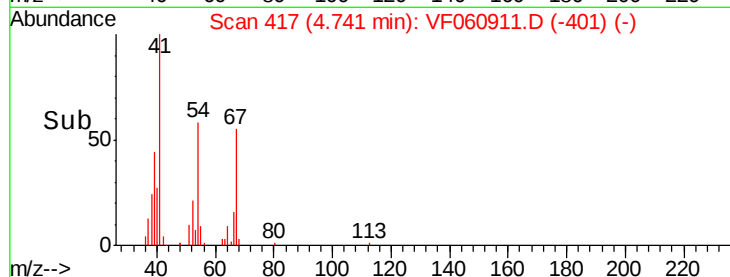
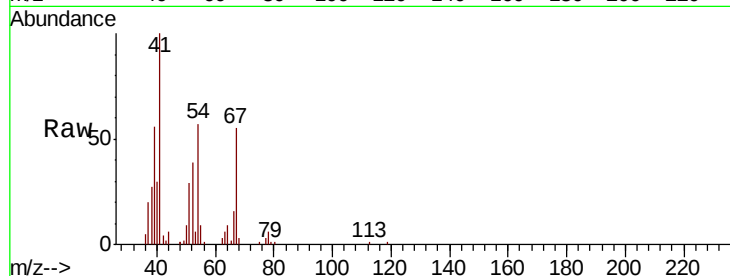
#41
Methacrylonitrile
Concen: 46.946 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	35653
Ion	Ratio	Lower	Upper
41	100		
39	56.0	53.0	79.6
67	54.5	43.8	65.6
52	38.7	37.8	56.8

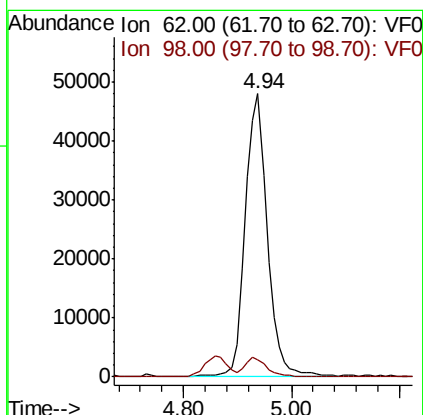
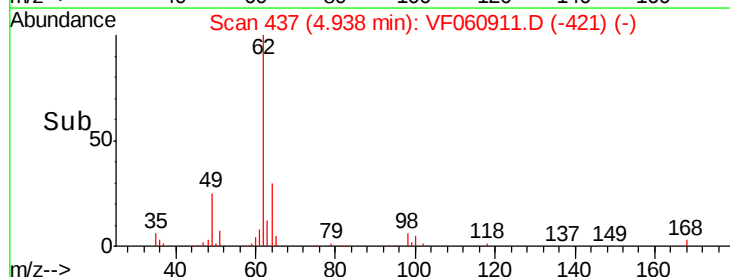
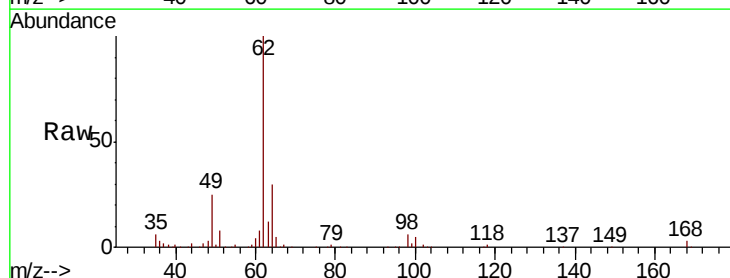
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 47.066 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion:	62	Resp:	136328
Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	17.2





#43

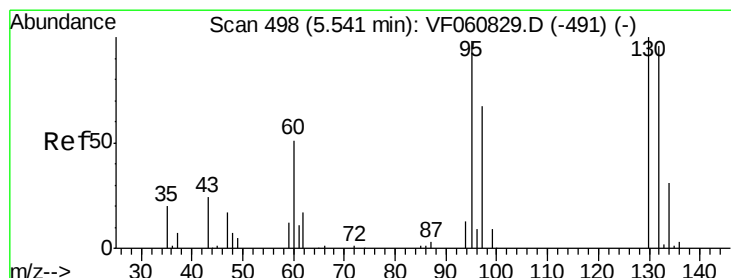
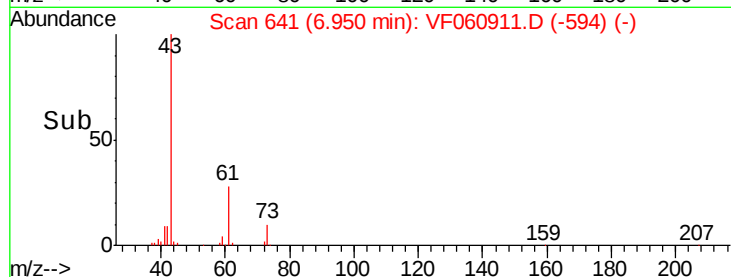
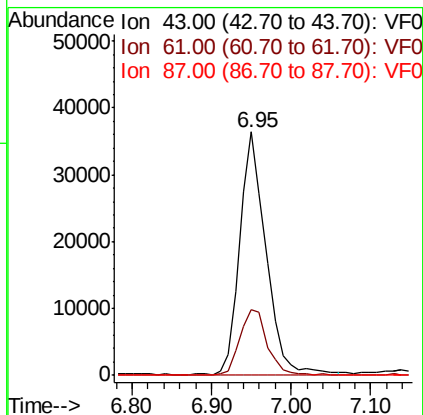
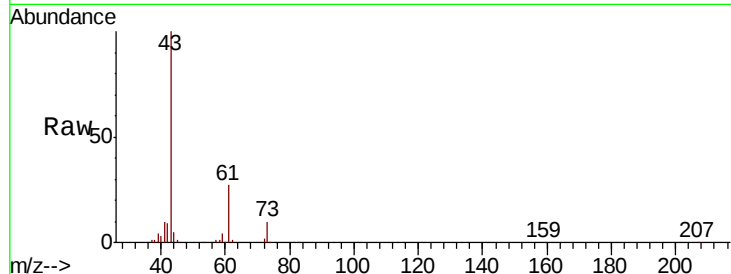
Isopropyl Acetate
 Concen: 45.632 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.4	32.0
87	0.0	0.2	0.4

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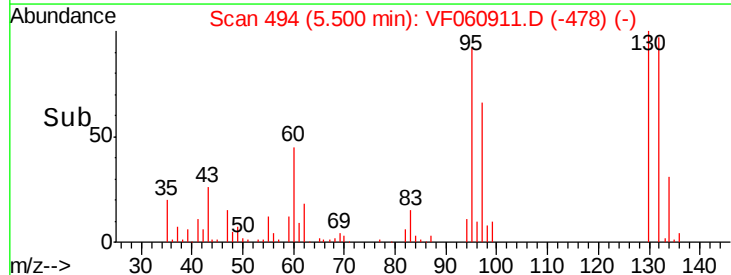
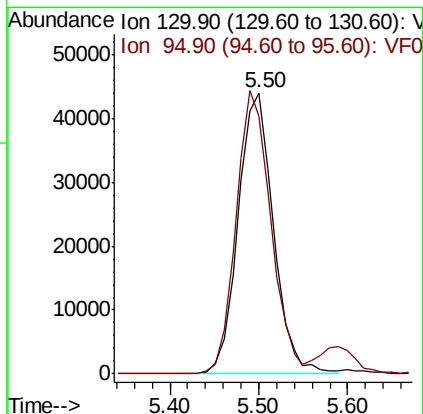
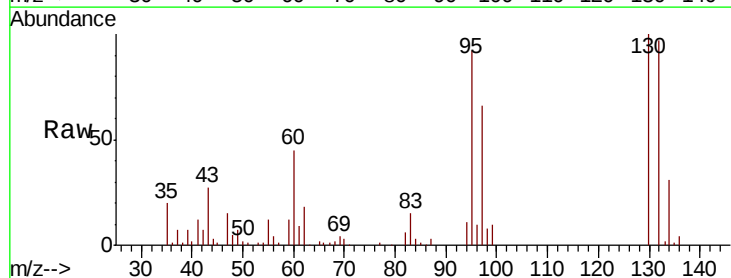
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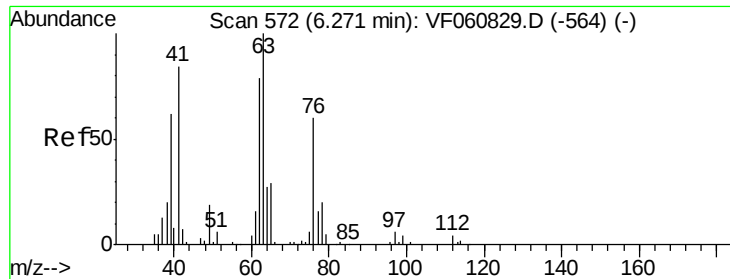


#44

Trichloroethene
 Concen: 46.594 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 47.551 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 97984

Ion Ratio Lower Upper

63 100

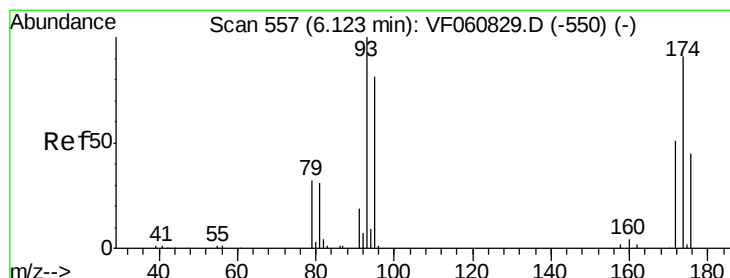
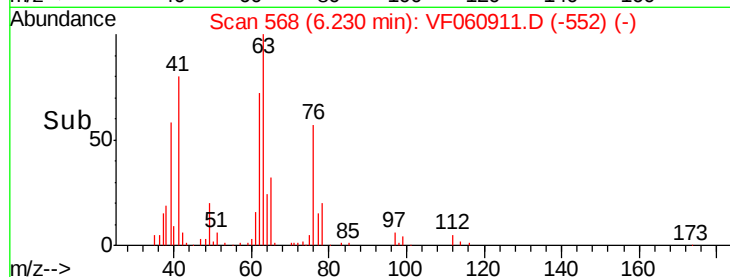
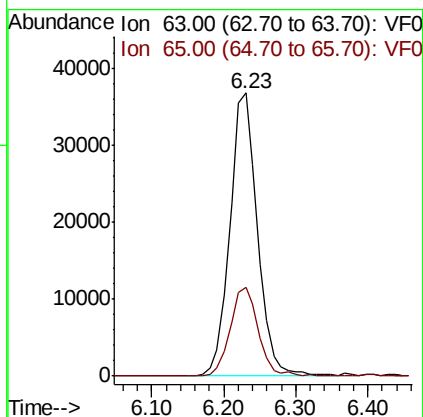
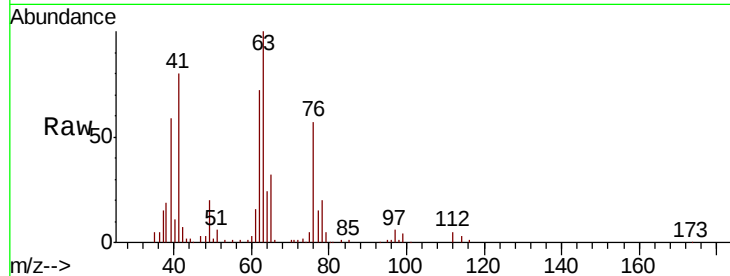
65 31.5 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 44.550 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

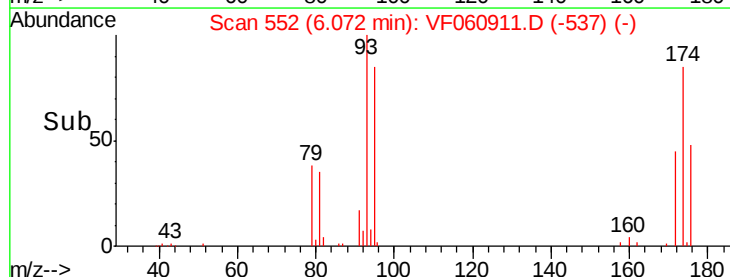
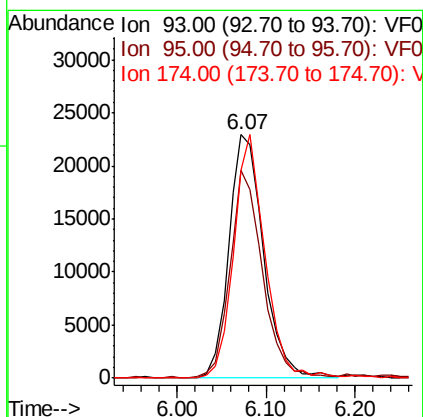
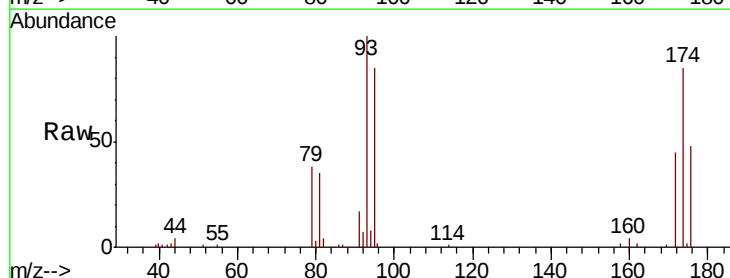
Tgt Ion: 93 Resp: 62273

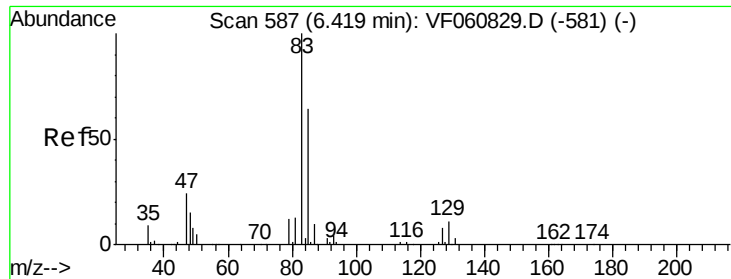
Ion Ratio Lower Upper

93 100

95 85.3 64.7 97.1

174 85.4 73.0 109.6





#47

Bromodichloromethane

Concen: 47.569 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

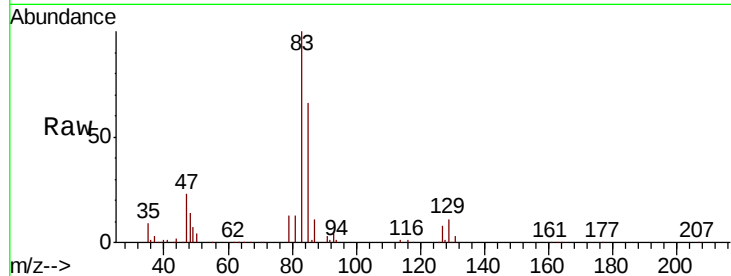
ClientSampleId :

VSTDCCC050

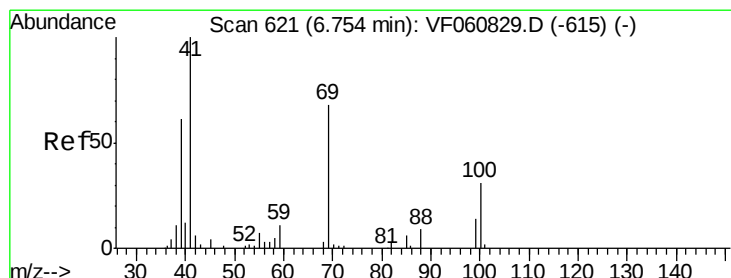
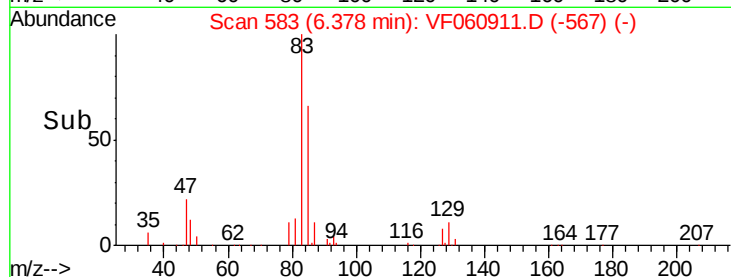
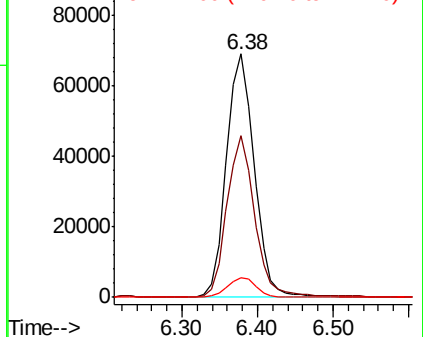
Tot Ion:	83	Resp:	176607
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.1	76.7
127	8.1	6.8	10.2

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 42.799 ug/l

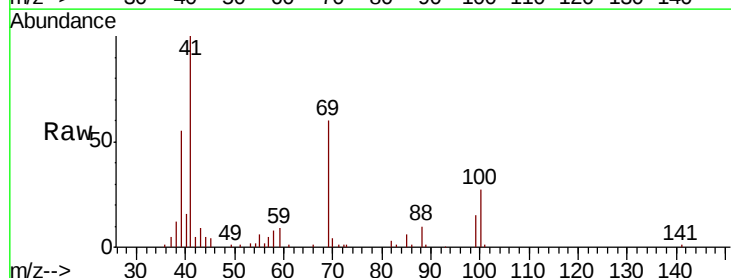
RT: 6.70 min Scan# 616

Delta R.T. -0.05 min

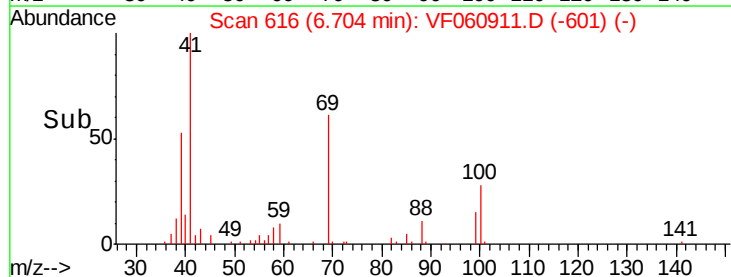
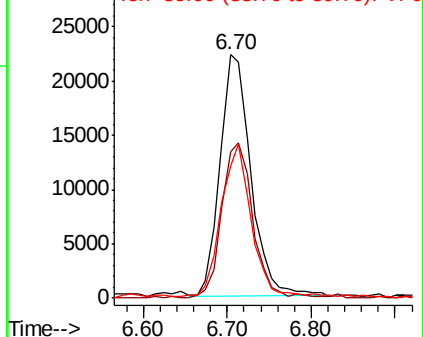
Lab File: VF060911.D

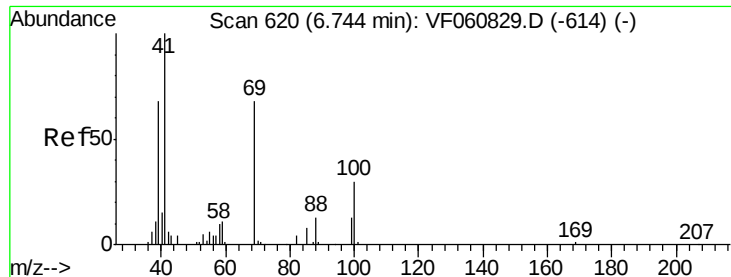
Acq: 6 Dec 2018 11:56

Tgt Ion:	41	Resp:	56539
Ion Ratio	Lower	Upper	
41	100		
69	60.4	53.9	80.9
39	54.5	49.0	73.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 933.977 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

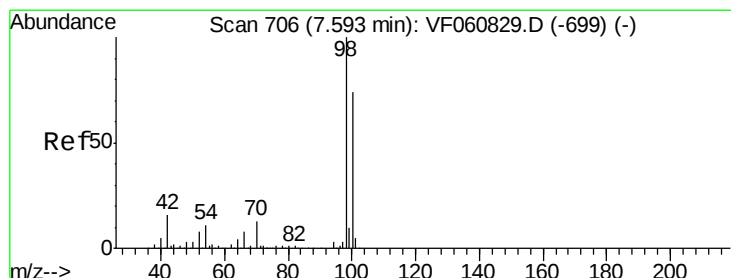
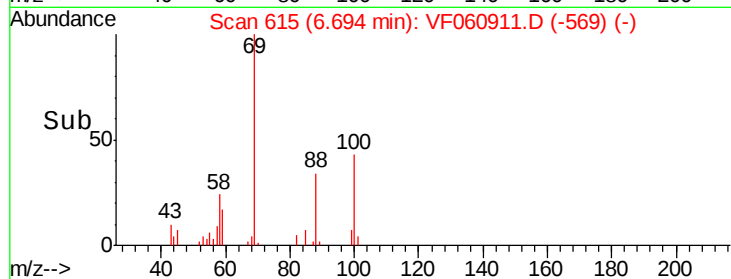
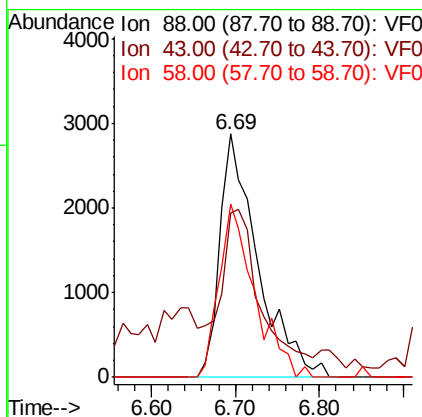
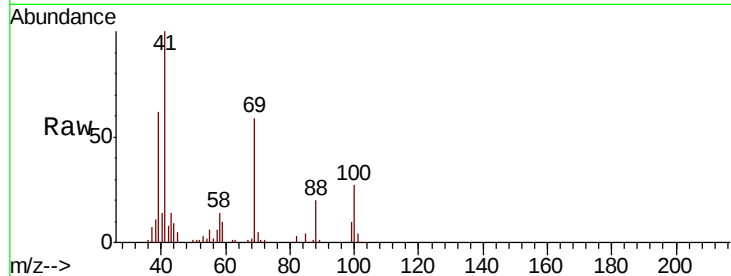
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	9030
Ion	Ratio	Lower	Upper
88	100		
43	67.3	42.0	63.0#
58	70.9	61.8	92.8

Manual Integrations
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#50

Toluene-d8

Concen: 47.723 ug/l

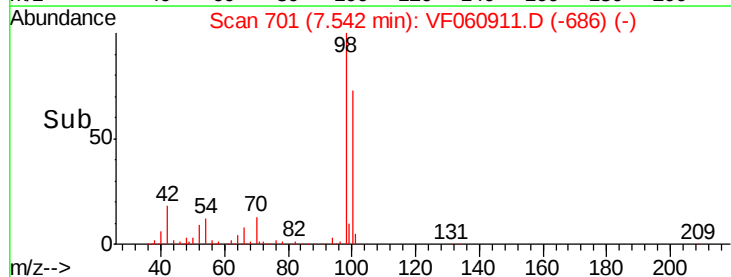
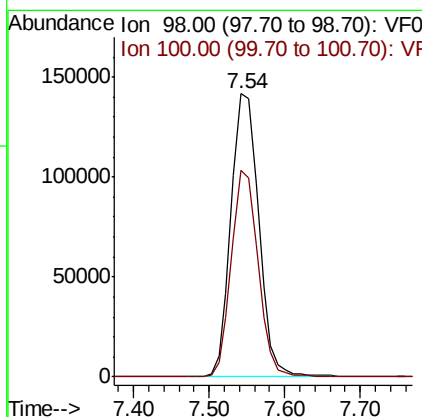
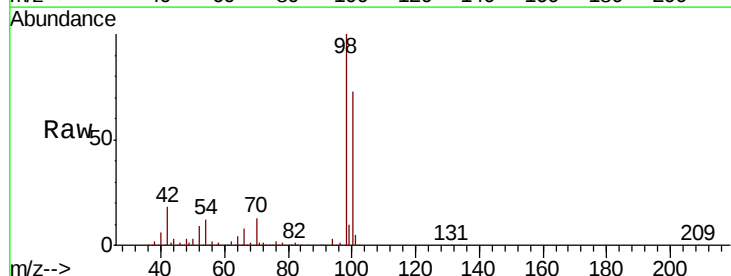
RT: 7.54 min Scan# 701

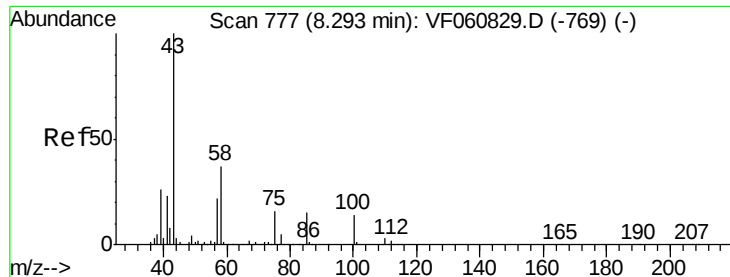
Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion:	98	Resp:	361106
Ion	Ratio	Lower	Upper
98	100		
100	73.0	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 208.942 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 281202

Ion Ratio Lower Upper

43 100

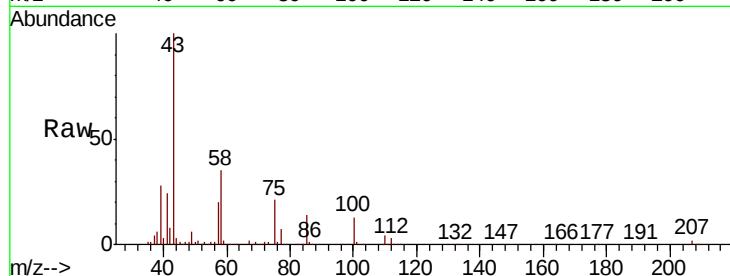
58 35.3 29.7 44.5

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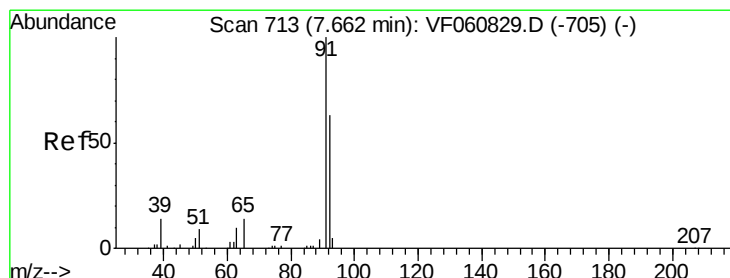
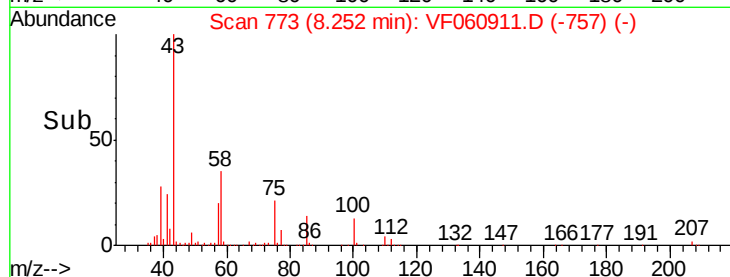
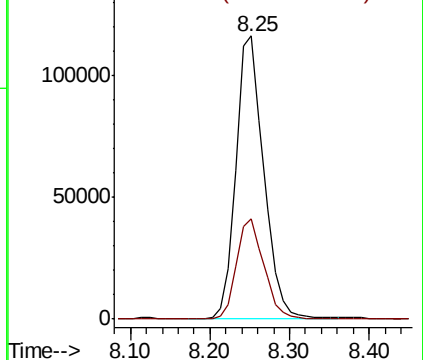
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 44.830 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF060911.D

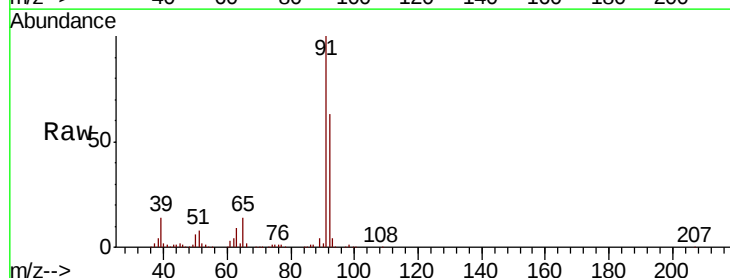
Acq: 6 Dec 2018 11:56

Tgt Ion: 92 Resp: 249838

Ion Ratio Lower Upper

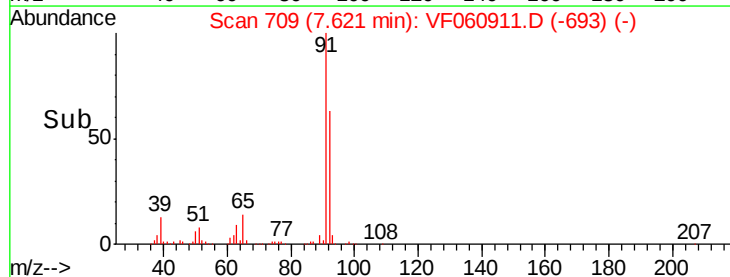
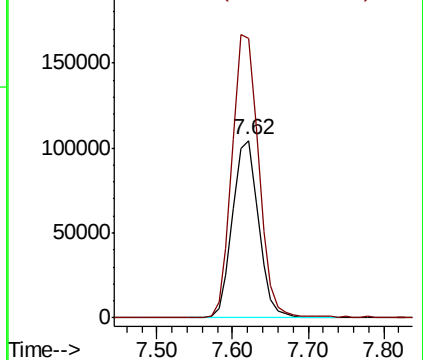
92 100

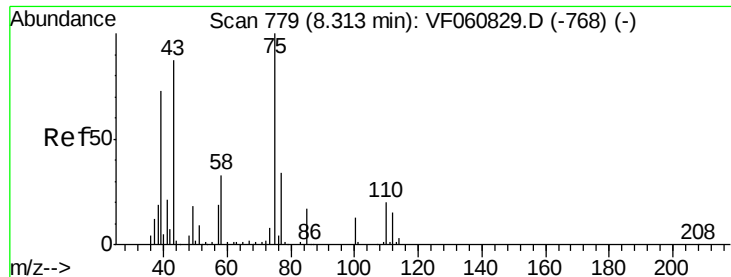
91 157.9 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 42.657 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 128819

Ion Ratio Lower Upper

75 100

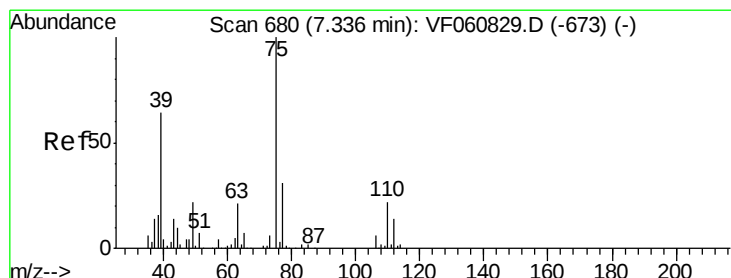
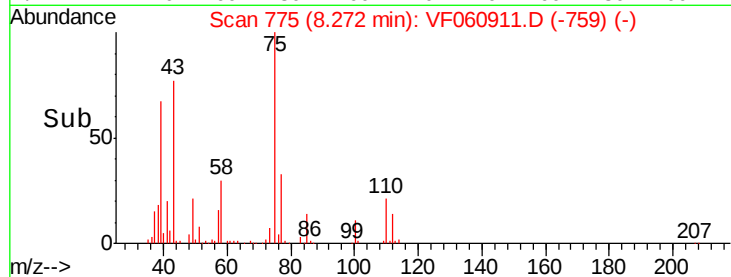
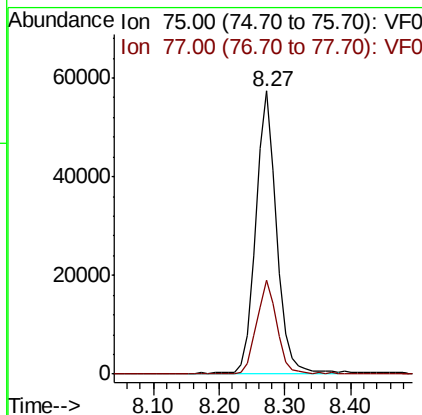
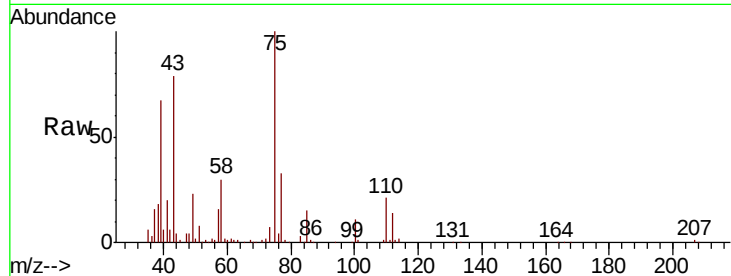
77 33.3 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 47.043 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

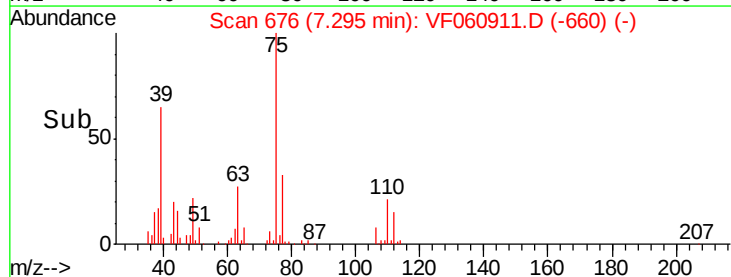
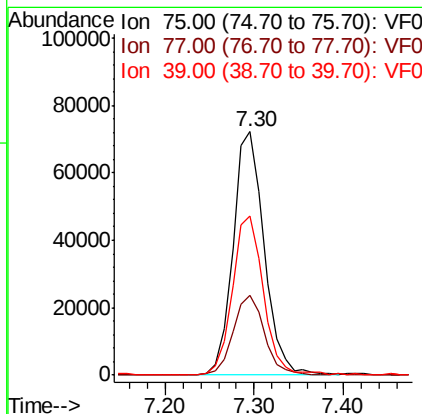
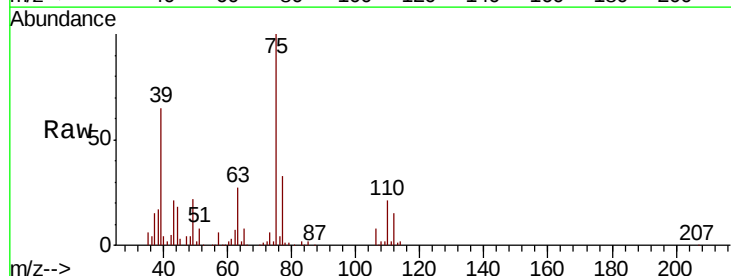
Tgt Ion: 75 Resp: 175875

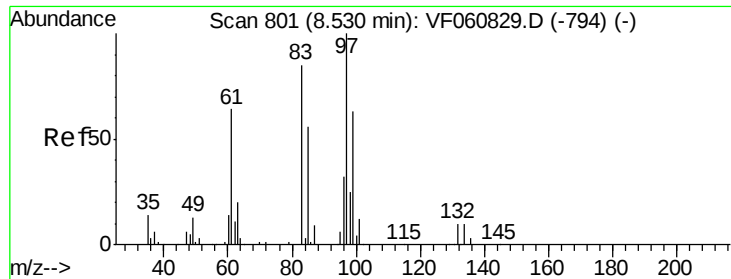
Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.6

39 65.5 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 42.681 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

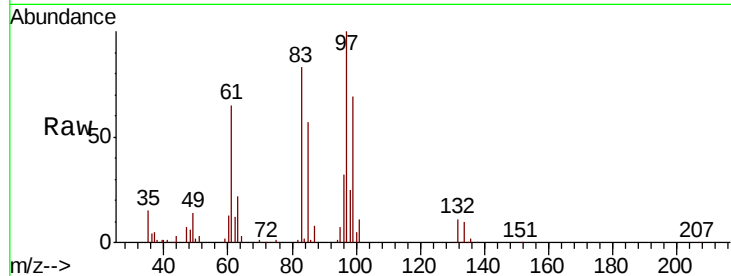
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	69309
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.8	101.6
85	57.5	45.0	67.6
99	68.8	50.5	75.7

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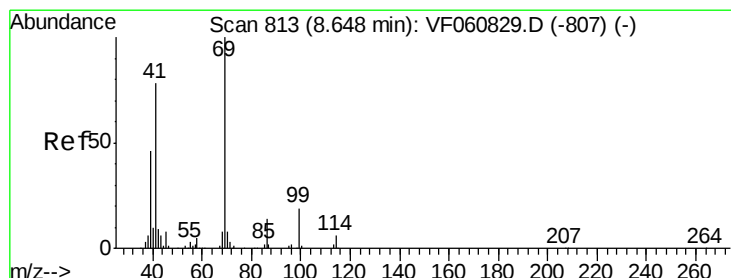
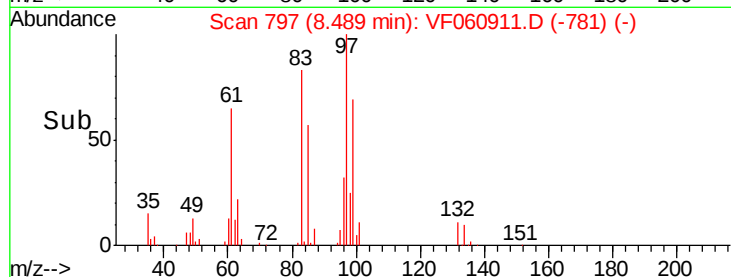
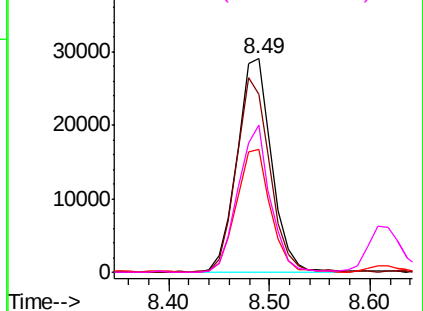


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 42.516 ug/l

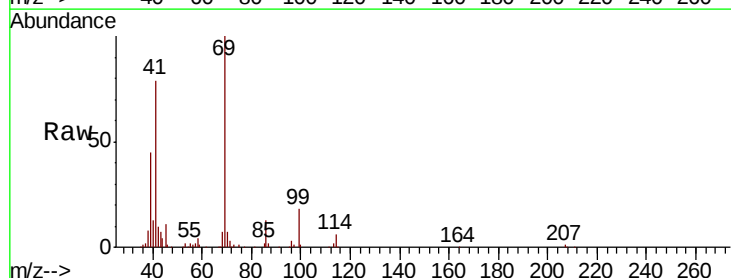
RT: 8.61 min Scan# 809

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

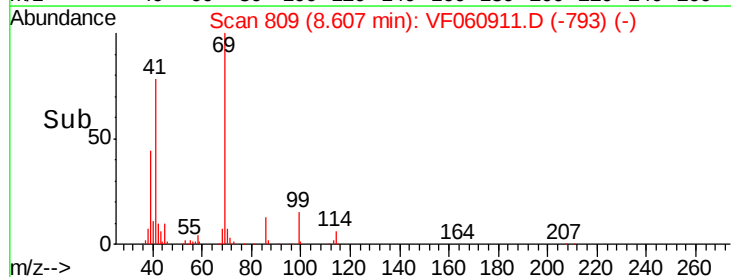
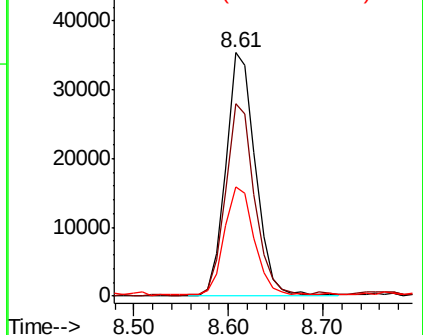
Tgt Ion:	69	Resp:	76696
Ion	Ratio	Lower	Upper
69	100		
41	78.8	62.6	94.0
39	44.8	37.8	56.6

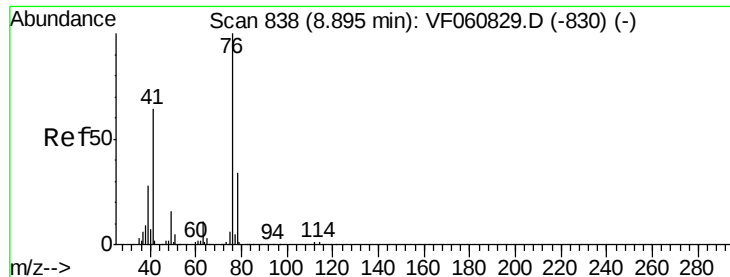


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





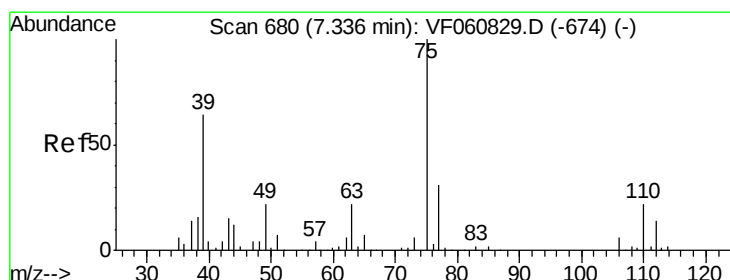
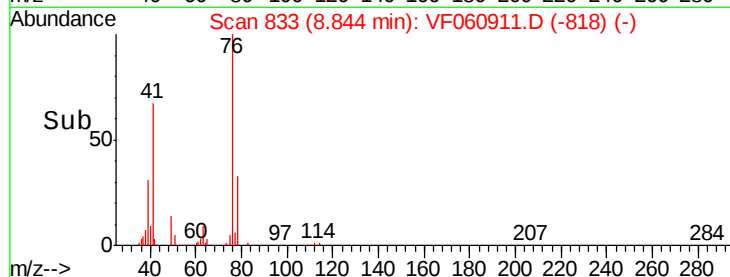
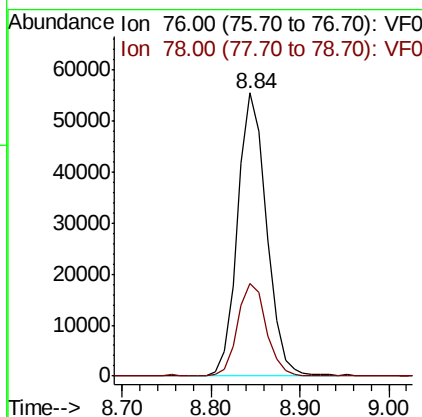
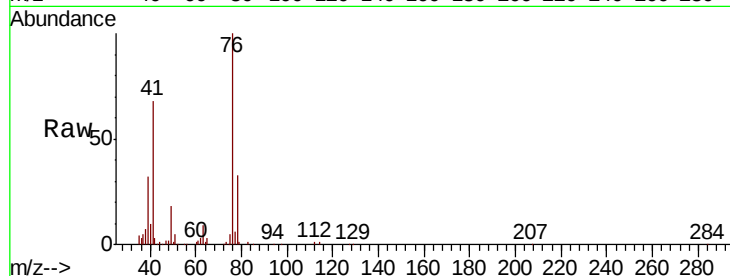
#57
 1,3-Dichloropropane
 Concen: 44.316 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.05 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	27.0	40.4

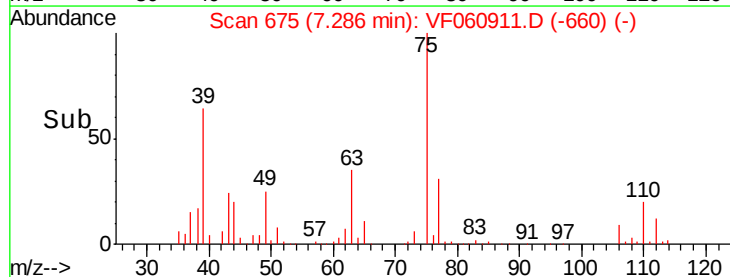
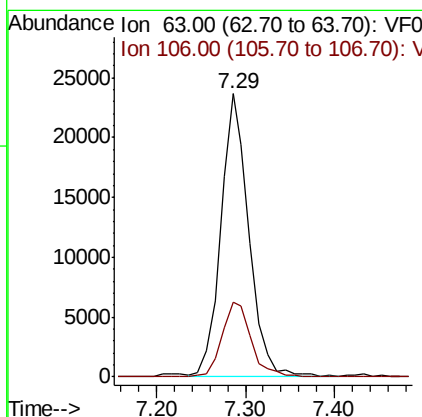
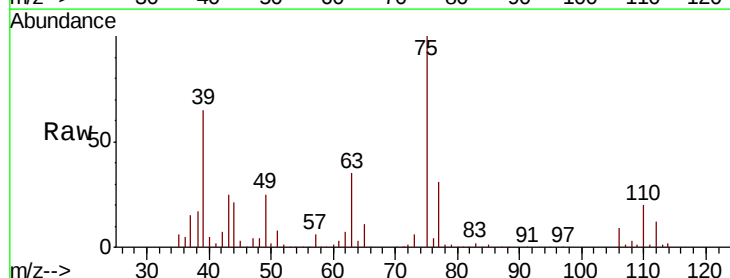
Manual Integrations
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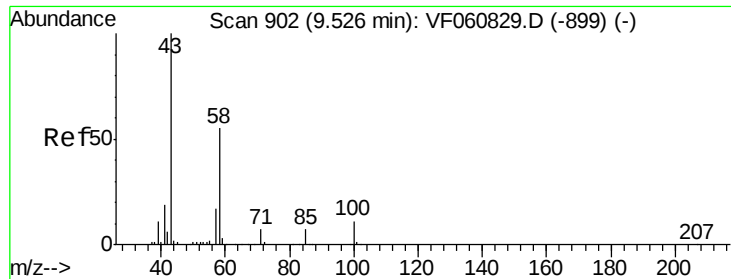
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#58
 2-Chloroethyl Vinyl ether
 Concen: 282.466 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	23.0	34.6





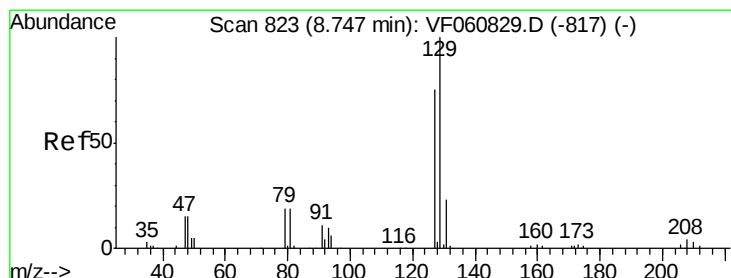
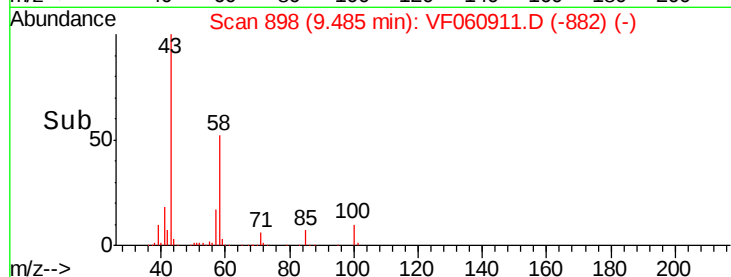
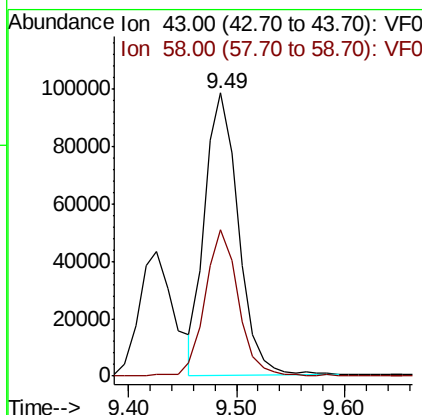
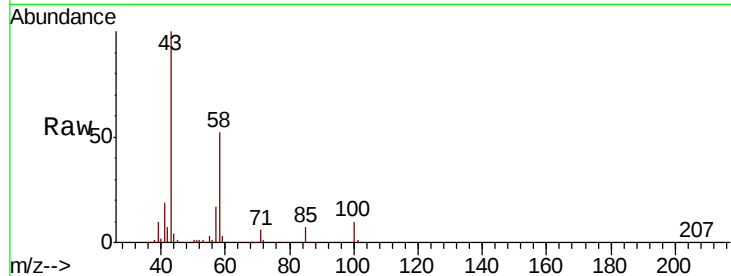
#59
2-Hexanone
Concen: 223.352 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 210886
Ion Ratio Lower Upper
43 100
58 51.9 25.6 76.6

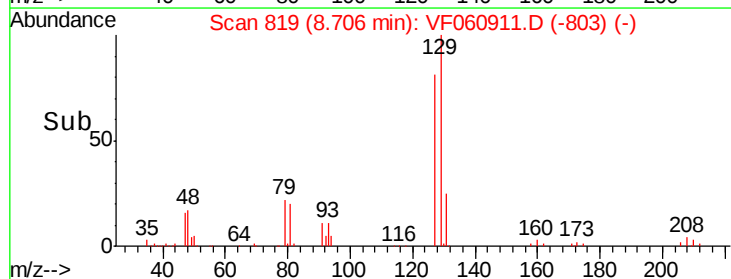
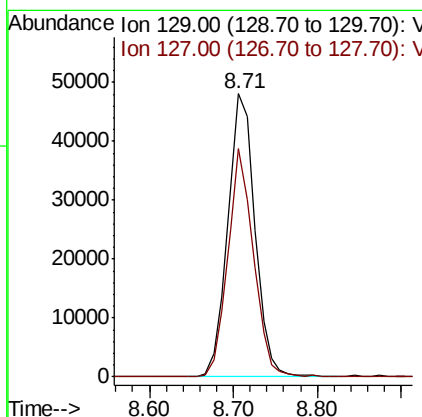
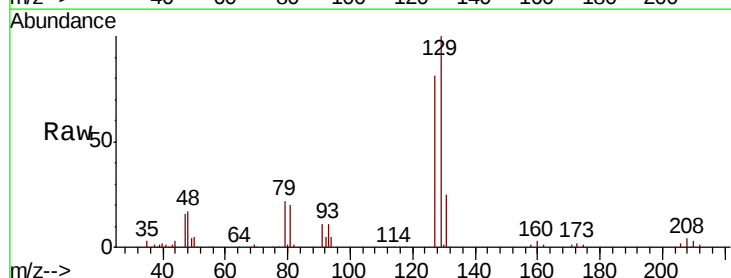
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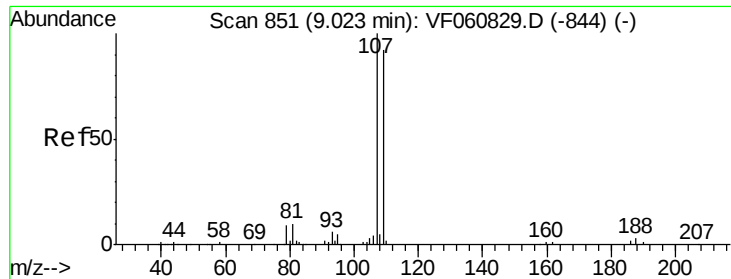
apatel
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#60
Dibromochloromethane
Concen: 44.793 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion: 129 Resp: 108380
Ion Ratio Lower Upper
129 100
127 80.8 37.3 111.9





#61

1,2-Dibromoethane

Concen: 42.855 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 75179

Ion Ratio Lower Upper

107 100

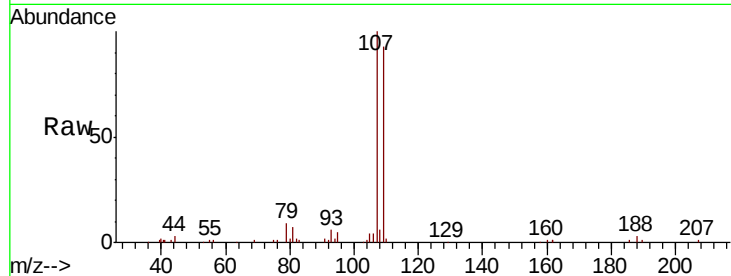
109 93.1 73.6 110.4

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

30000

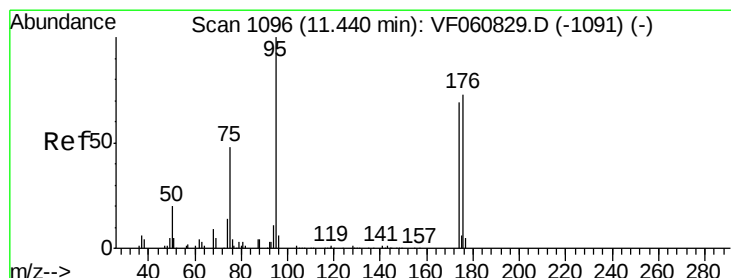
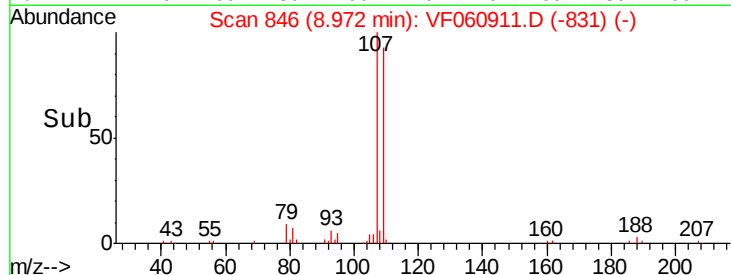
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 45.349 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

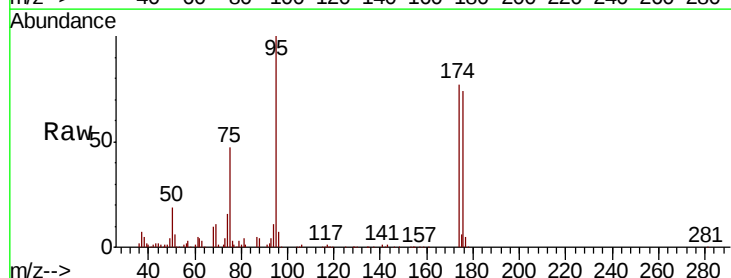
Tgt Ion: 95 Resp: 155952

Ion Ratio Lower Upper

95 100

174 76.6 0.0 138.2

176 73.8 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

100000

80000

60000

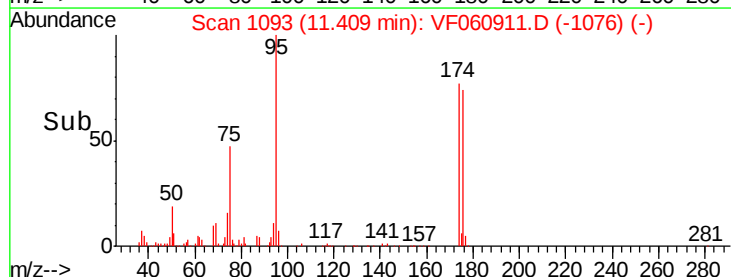
40000

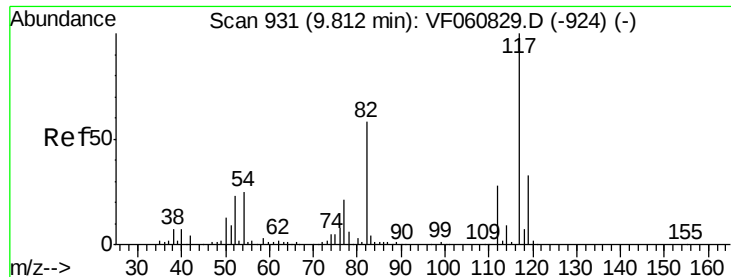
20000

0

Time-->

11.30 11.40 11.50





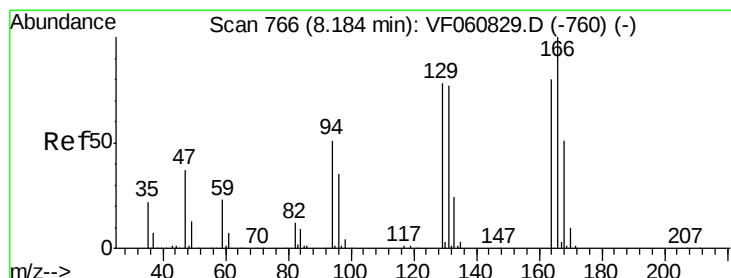
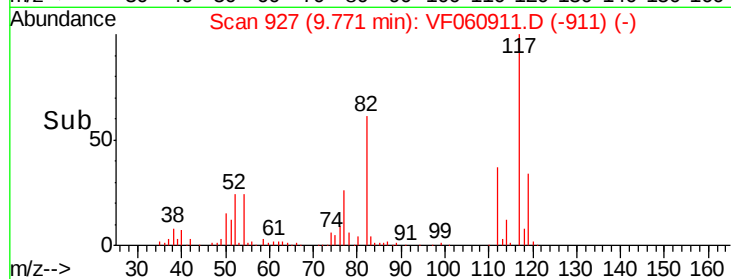
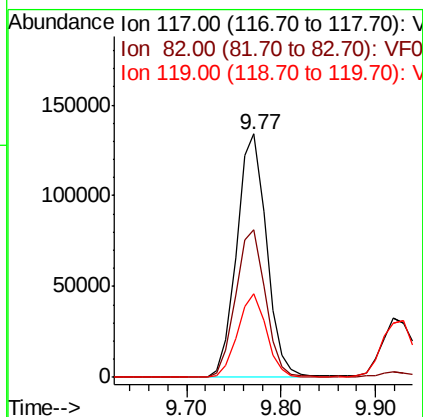
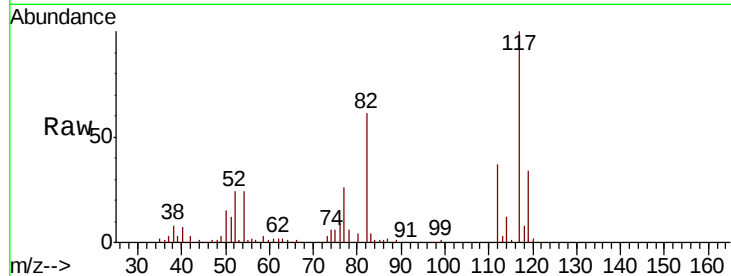
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293805		
82	60.6		46.6	69.8
119	34.4		26.4	39.6

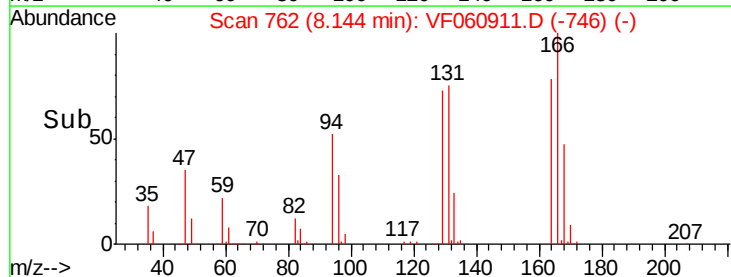
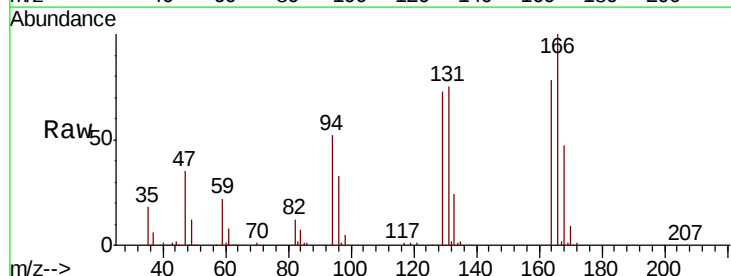
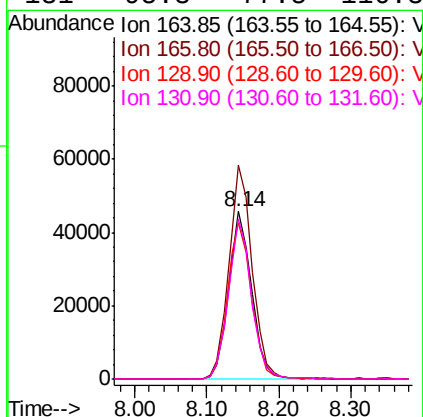
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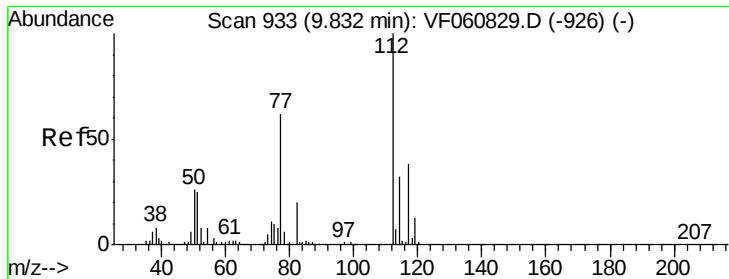
apatel
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#64
Tetrachloroethene
Concen: 45.110 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101231		
166	127.5		100.3	150.5
129	93.1		77.9	116.9
131	95.3		77.5	116.3





#65

Chlorobenzene

Concen: 49.370 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 282180

Ion Ratio Lower Upper

112 100

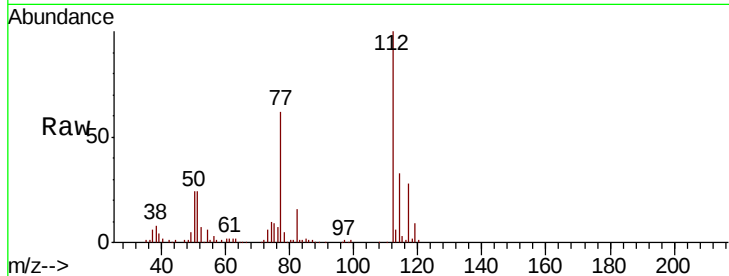
114 33.2 26.0 39.0

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

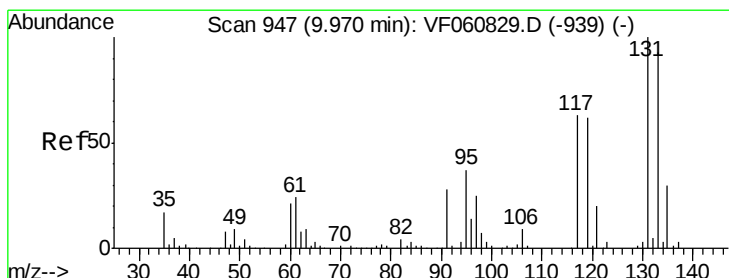
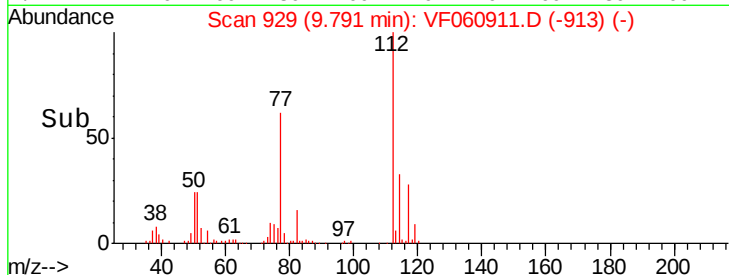
150000

100000

50000

0

Time--> 9.60 9.80 10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 47.325 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.05 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

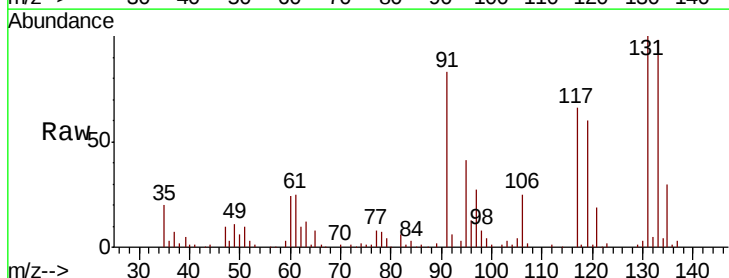
Tgt Ion:131 Resp: 116284

Ion Ratio Lower Upper

131 100

133 97.5 46.5 139.3

119 60.4 31.1 93.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

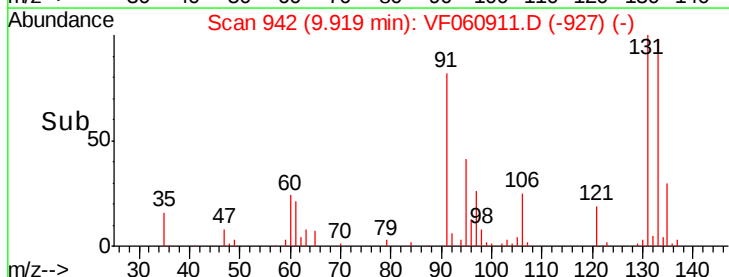
60000

40000

20000

0

Time--> 9.80 9.90 10.00





#67

Ethyl Benzene

Concen: 46.251 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 492144

Ion Ratio Lower Upper

91 100

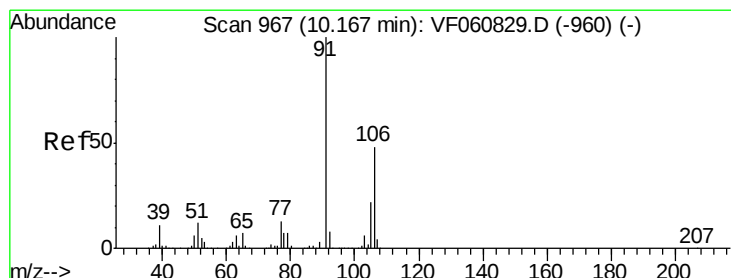
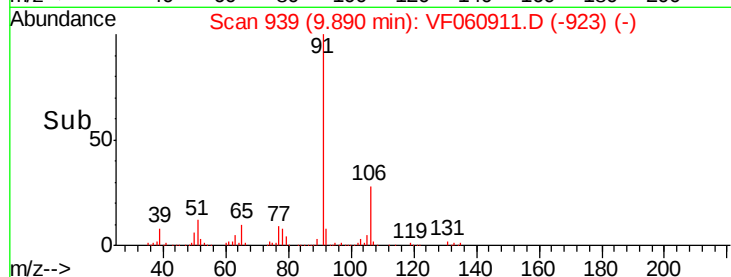
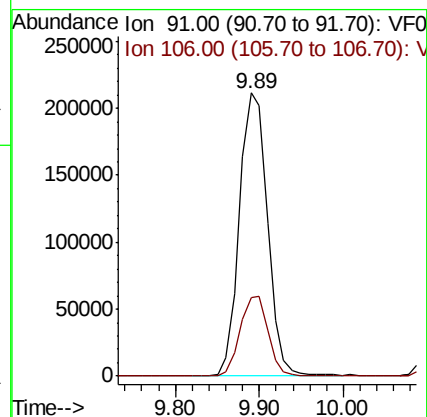
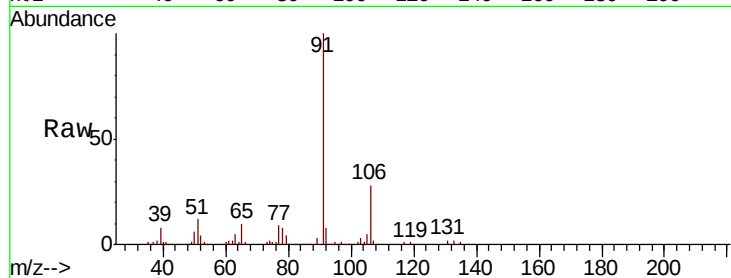
106 27.9 22.2 33.2

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#68

m/p-Xylenes

Concen: 89.253 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060911.D

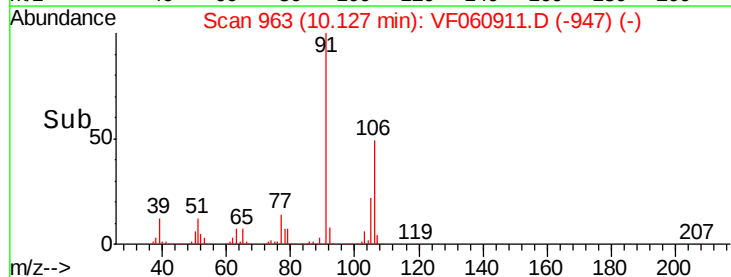
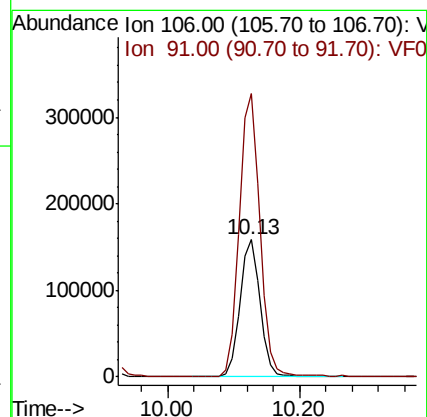
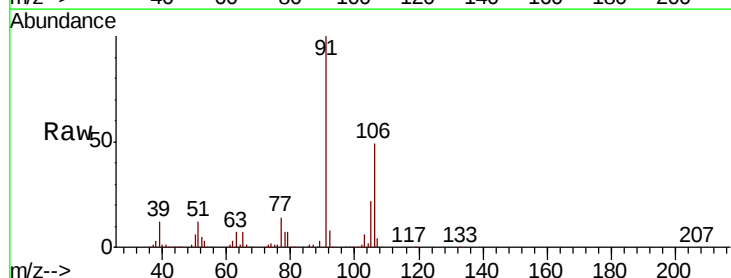
Acq: 6 Dec 2018 11:56

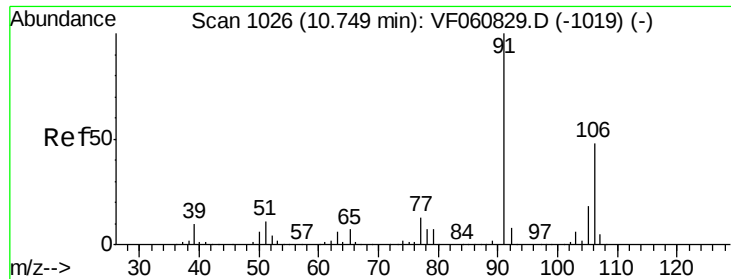
Tgt Ion: 106 Resp: 341578

Ion Ratio Lower Upper

106 100

91 206.1 166.7 250.1





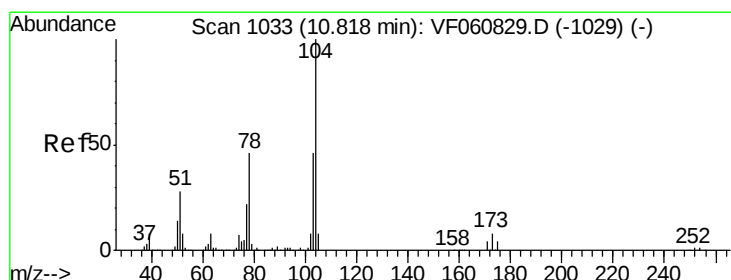
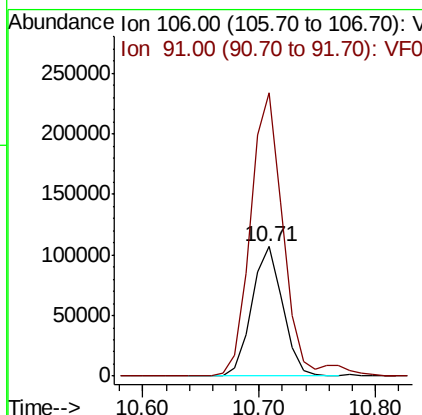
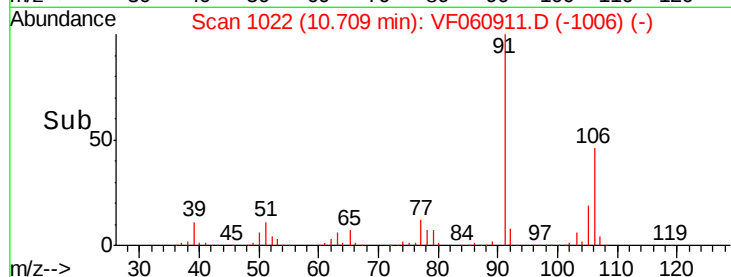
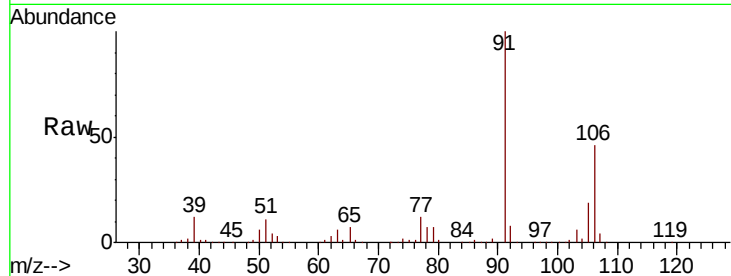
#69
o-Xylene
Concen: 46.675 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 196974
Ion Ratio Lower Upper
106 100
91 218.3 104.8 314.6

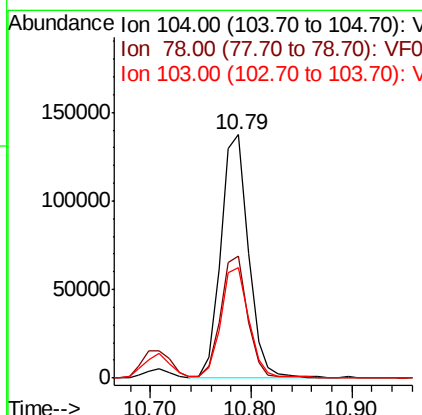
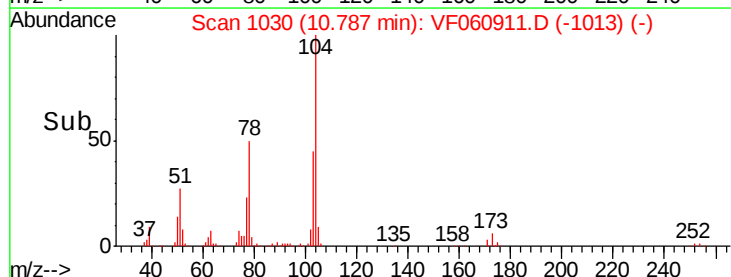
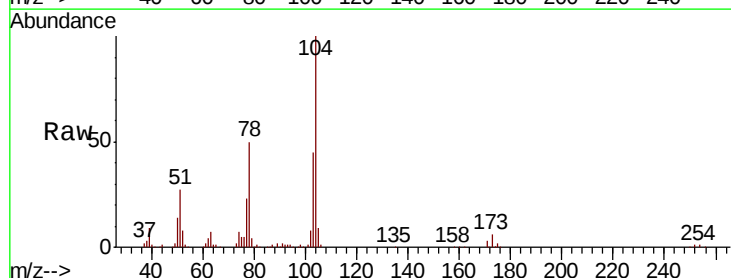
Manual Integrations
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#70
Styrene
Concen: 44.920 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion:104 Resp: 262782
Ion Ratio Lower Upper
104 100
78 50.2 37.3 55.9
103 45.5 36.8 55.2





#71

Bromoform

Concen: 46.842 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

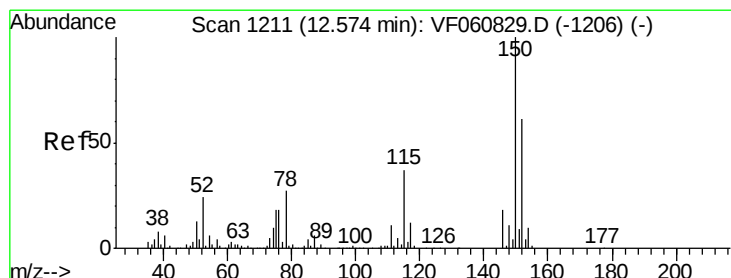
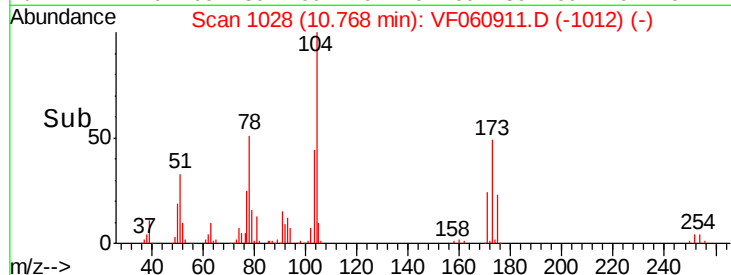
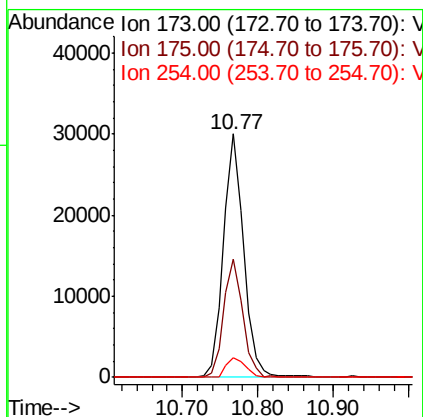
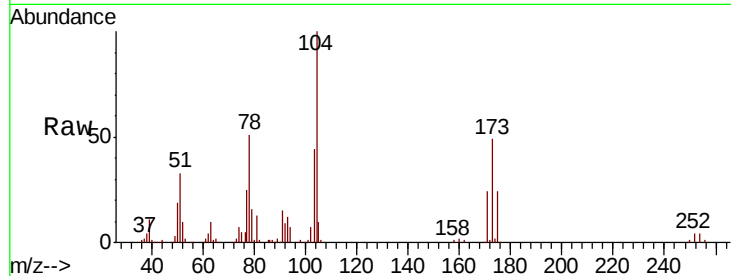
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	25.5	76.5
254	7.9	7.5	11.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

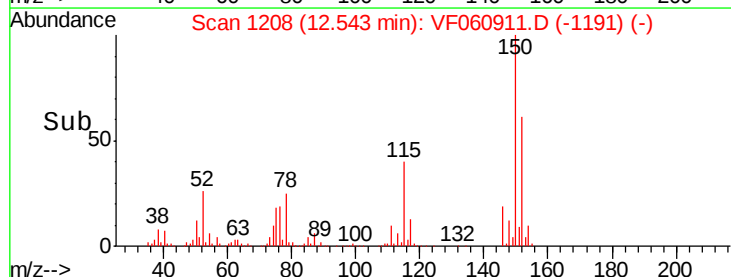
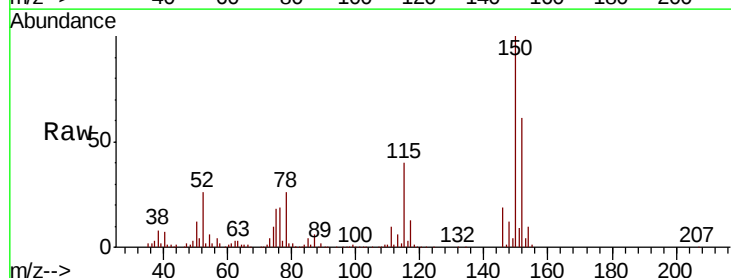
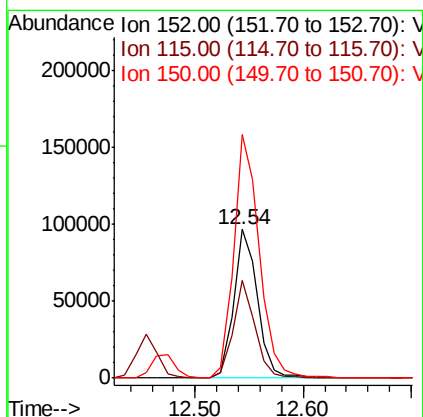
RT: 12.54 min Scan# 1208

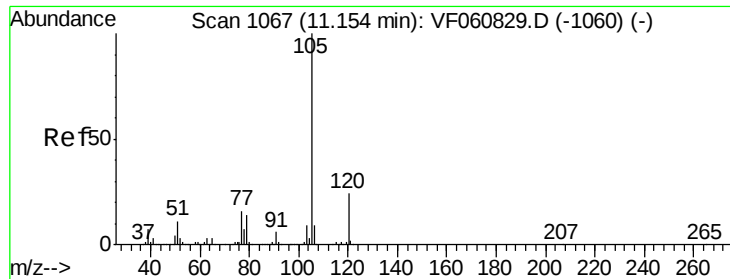
Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.7	30.1	90.5
150	163.7	0.0	327.6





#73

Isopropylbenzene

Concen: 50.916 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 594255

Ion Ratio Lower Upper

105 100

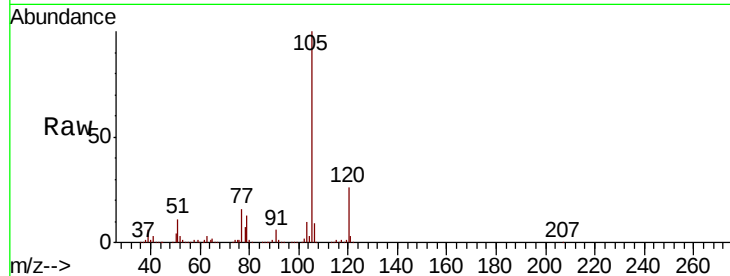
120 25.6 12.2 36.4

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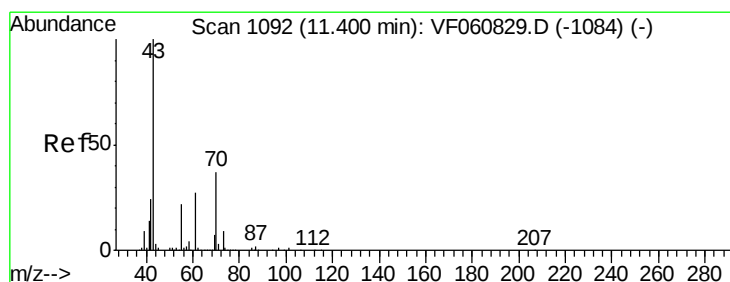
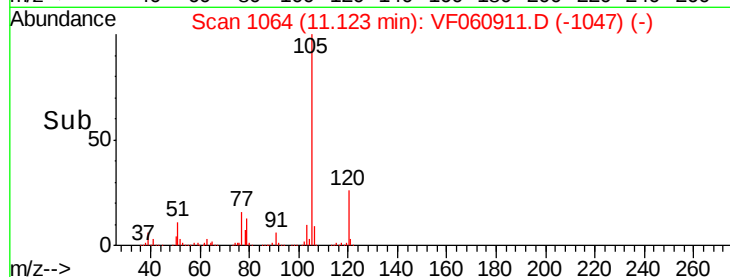
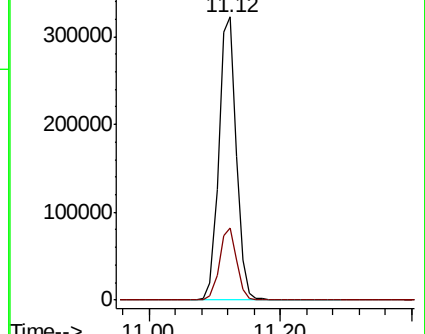
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.101 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion: 43 Resp: 118856

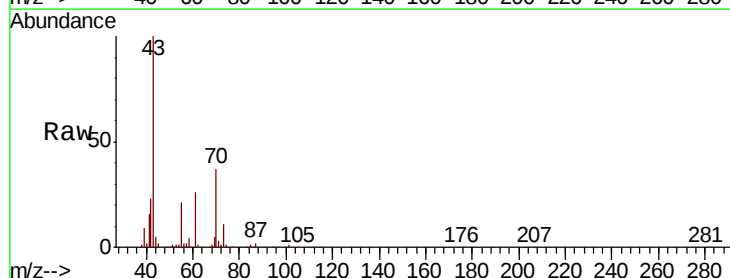
Ion Ratio Lower Upper

43 100

70 36.9 29.6 44.4

55 20.6 17.2 25.8

61 26.0 21.8 32.6

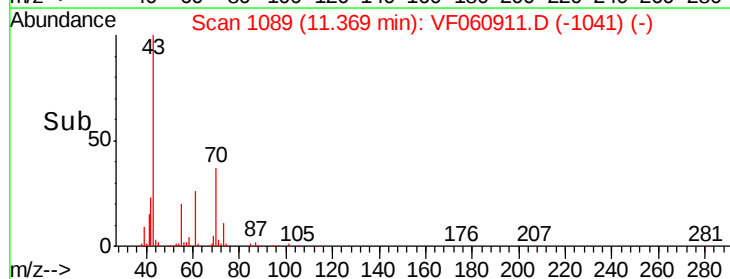
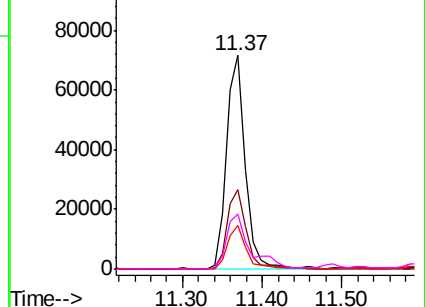


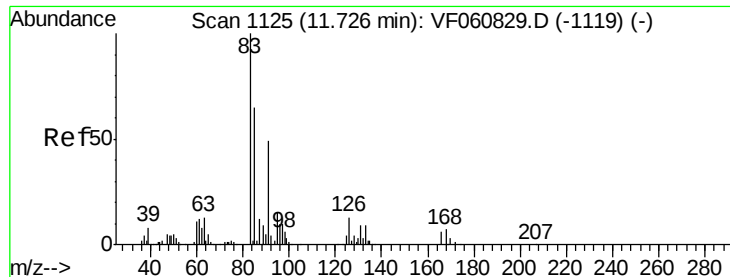
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.923 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

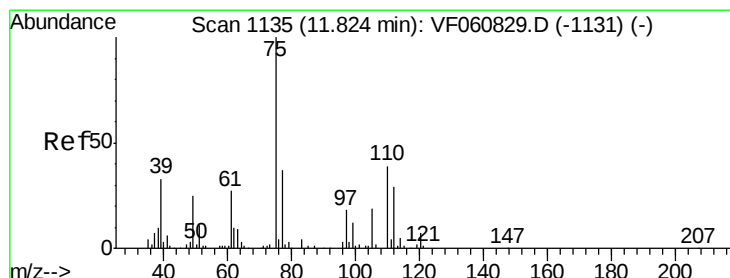
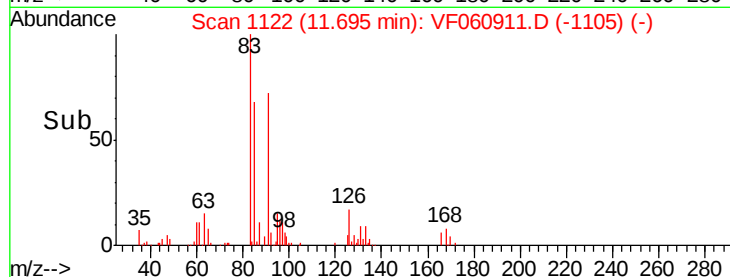
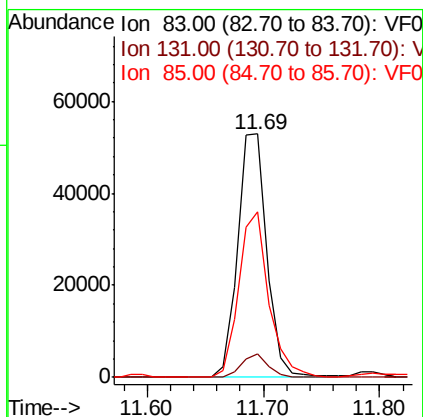
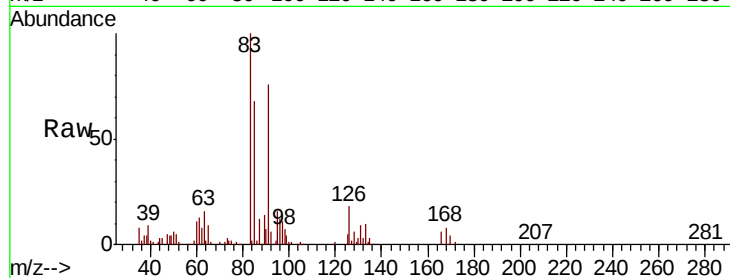
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	92053
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	67.8	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 47.844 ug/l m

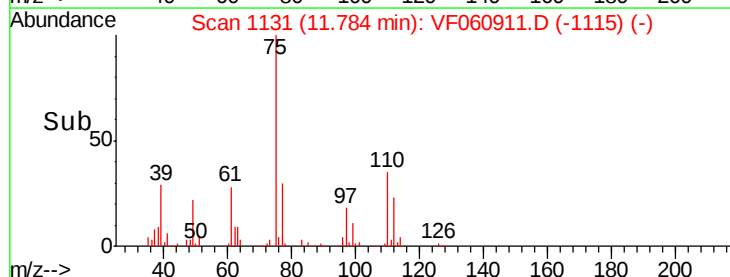
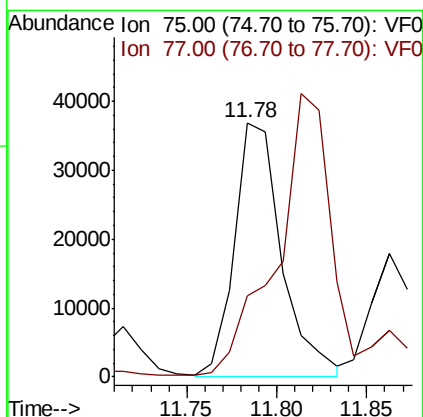
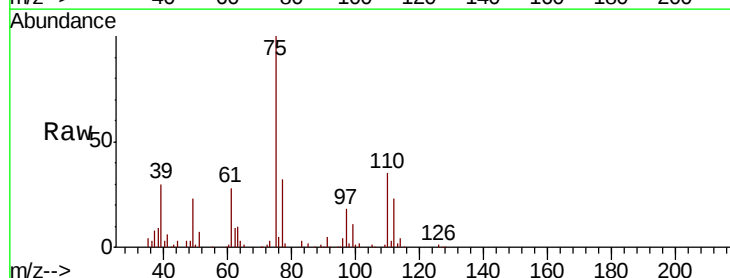
RT: 11.78 min Scan# 1131

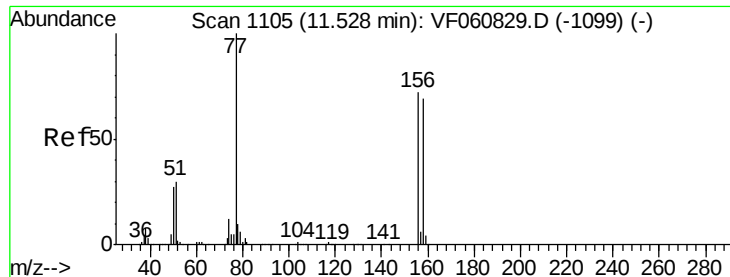
Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion:	75	Resp:	66799
Ion Ratio	Lower	Upper	
75	100		
77	31.7	18.4	55.4





#77

Bromobenzene

Concen: 48.017 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

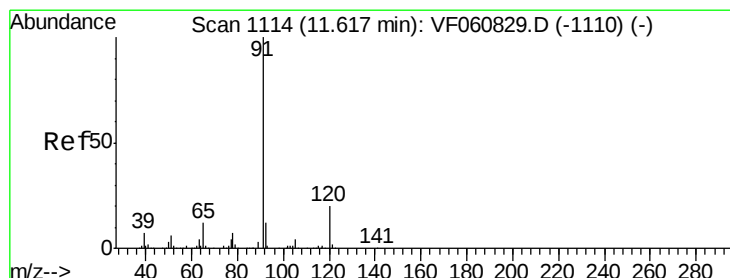
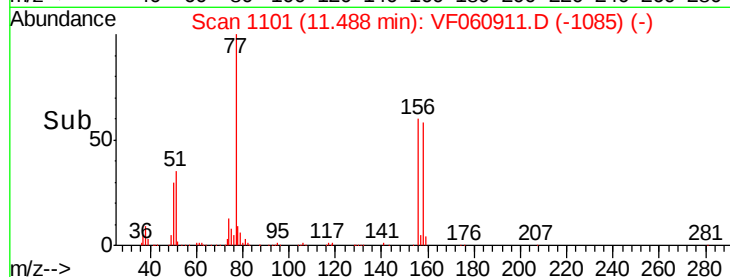
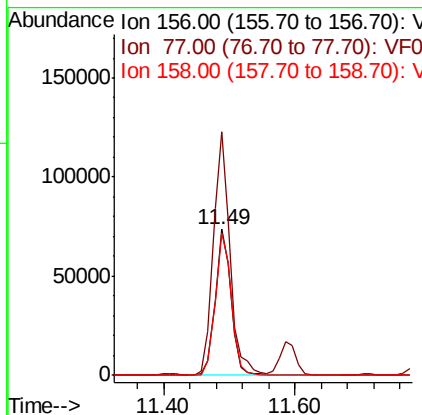
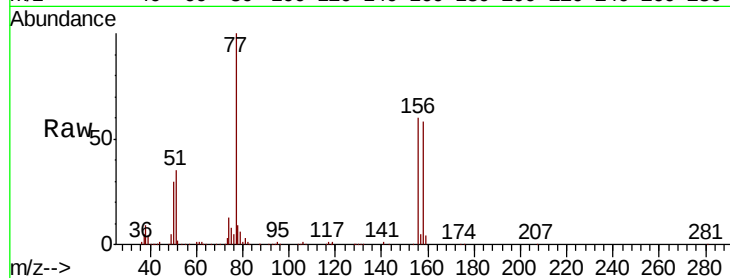
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		122864		
77	166.8	69.7	209.0		
158	97.4	47.8	143.4		

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#78

n-propylbenzene

Concen: 49.276 ug/l

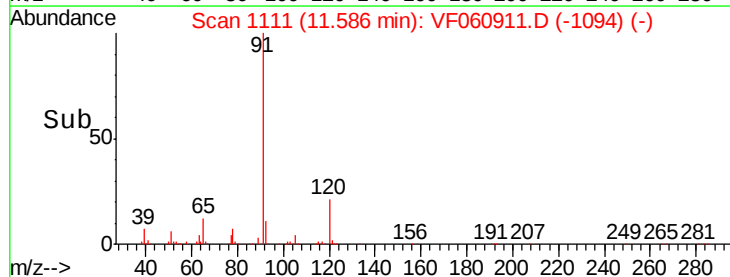
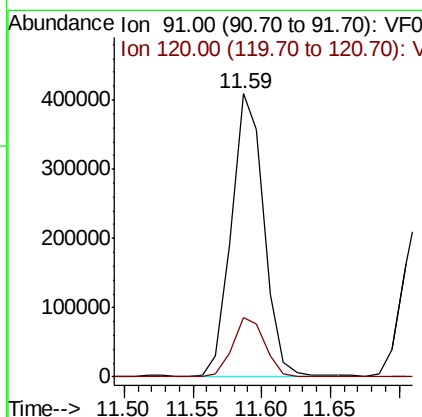
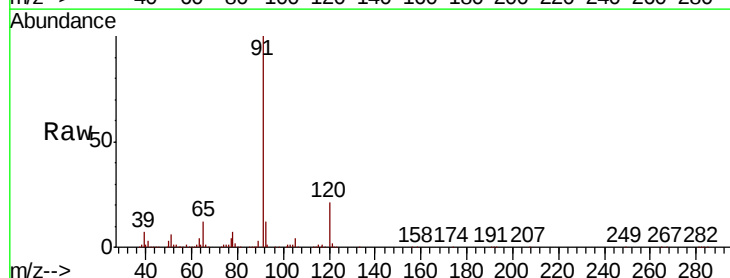
RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		673501		
120	20.8	10.3	30.8		





#79

2-Chlorotoluene

Concen: 49.718 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060911.D

Acq: 6 Dec 2018 11:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 389640

Ion Ratio Lower Upper

91 100

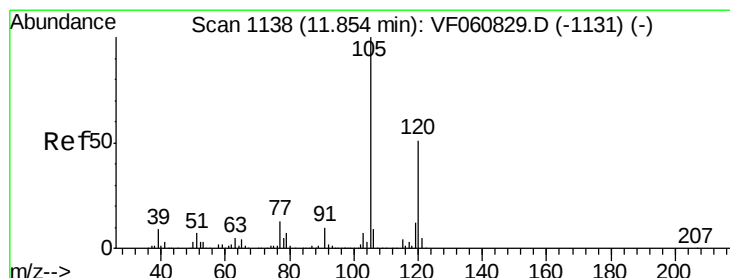
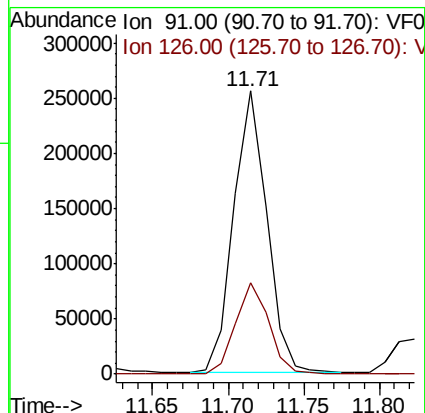
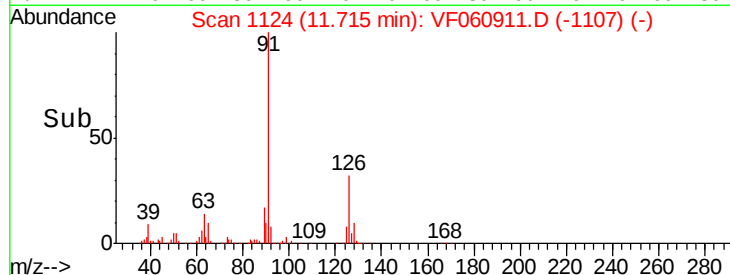
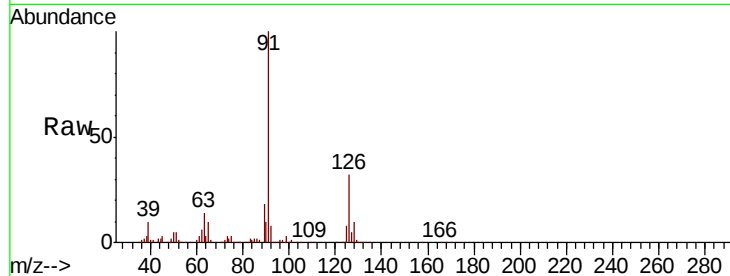
126 32.1 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 47.784 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060911.D

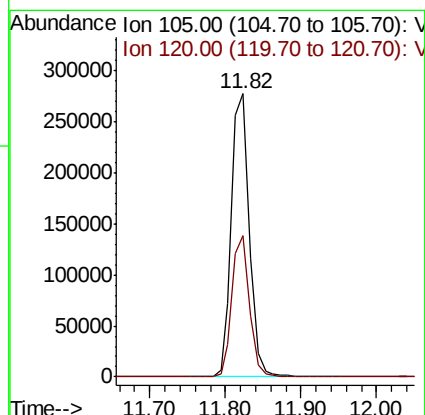
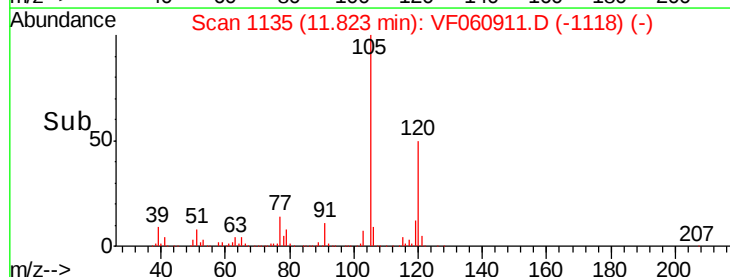
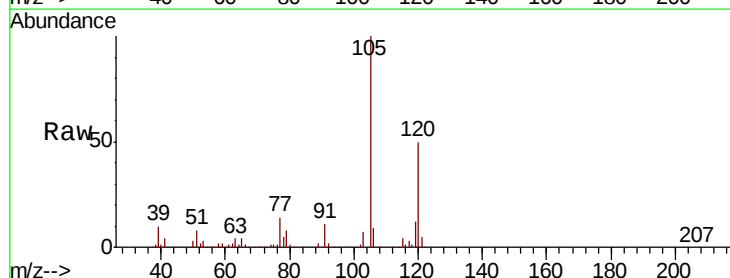
Acq: 6 Dec 2018 11:56

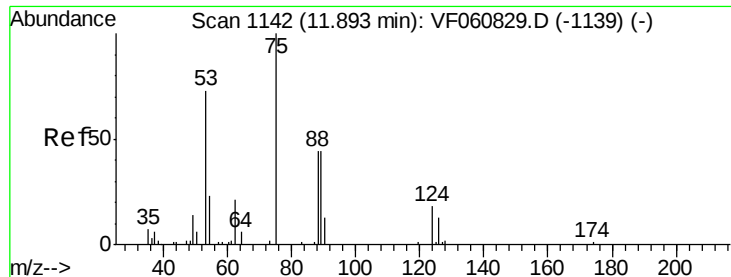
Tgt Ion: 105 Resp: 452752

Ion Ratio Lower Upper

105 100

120 50.0 25.8 77.3





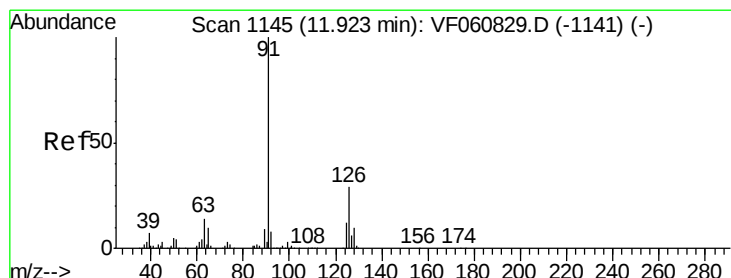
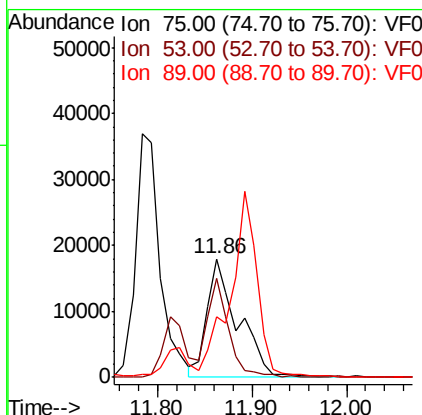
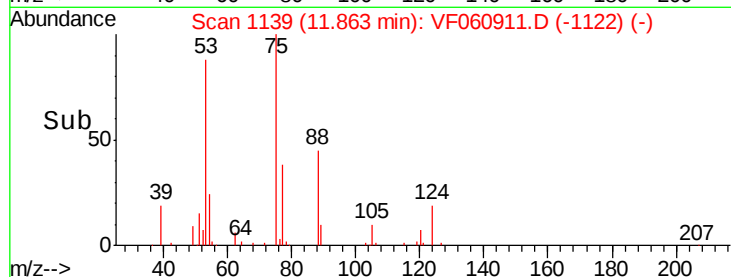
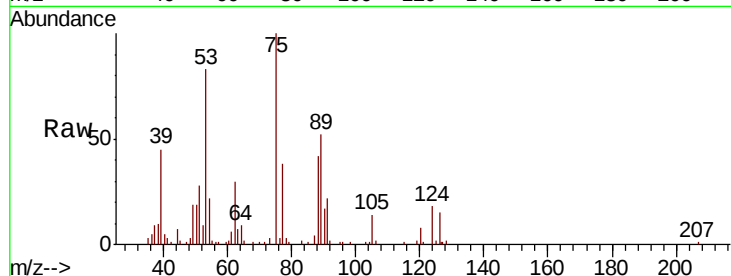
#81
trans-1,4-Dichloro-2-butene
Concen: 58.864 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.2	65.9	98.9
89	51.6	38.8	58.2

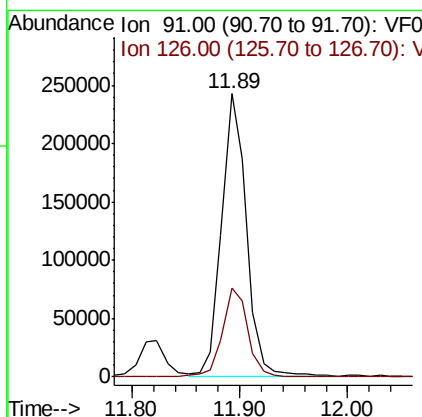
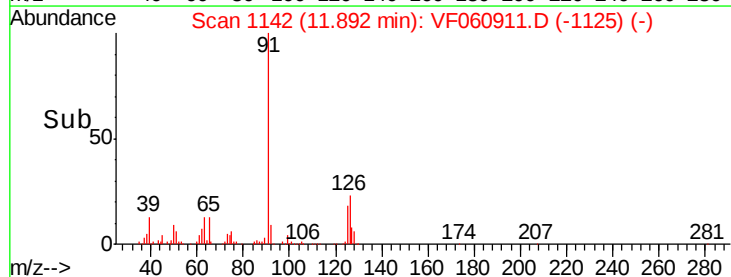
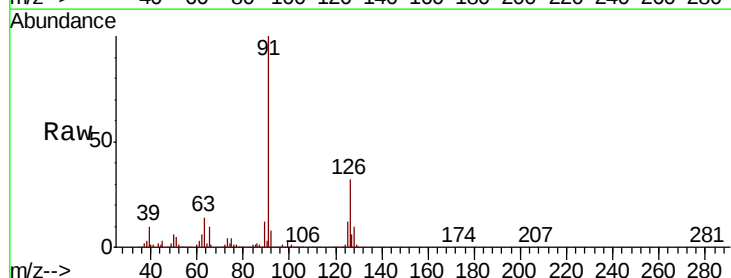
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#82
4-Chlorotoluene
Concen: 46.212 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	14.8	44.4





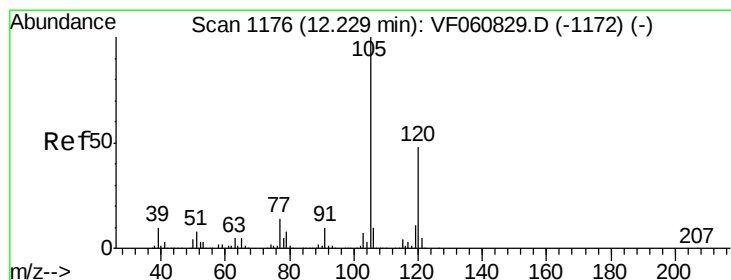
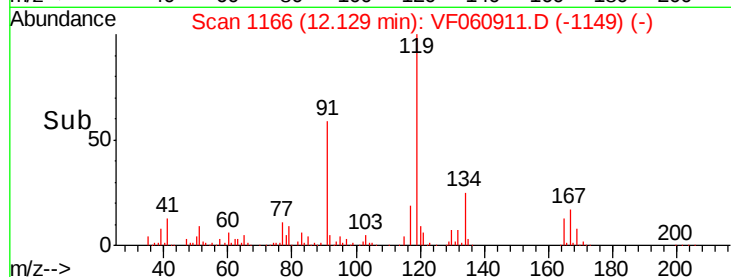
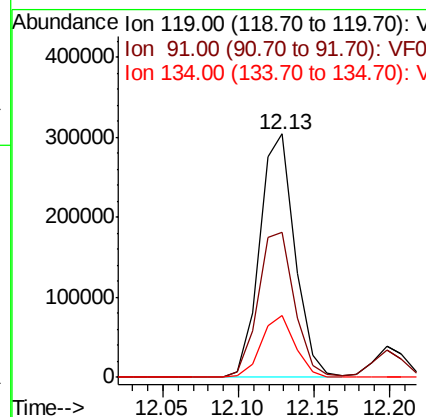
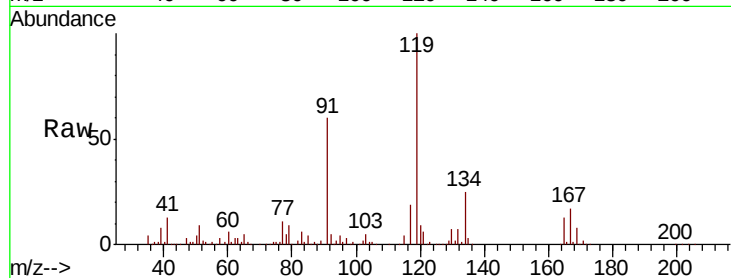
#83
tert-Butylbenzene
Concen: 51.194 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.1	90.3
134	25.4	12.6	37.8

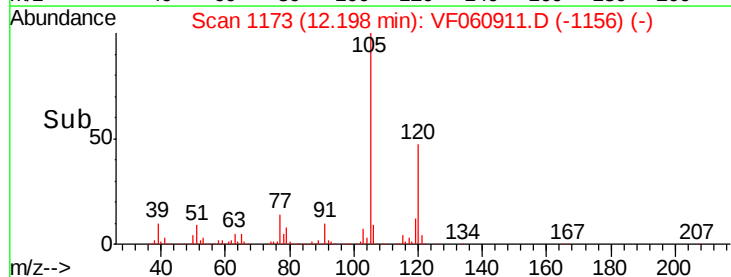
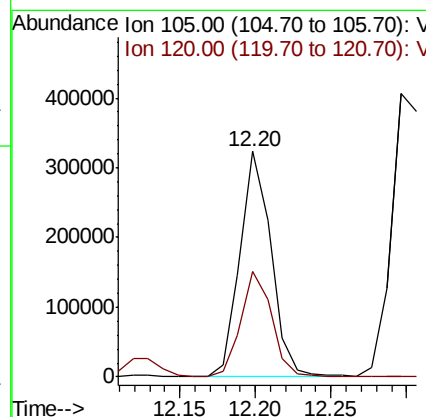
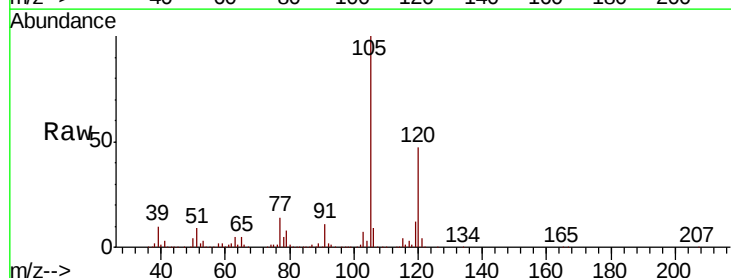
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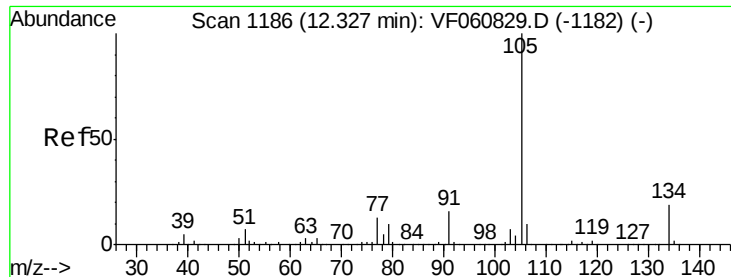
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#84
1,2,4-Trimethylbenzene
Concen: 49.042 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.8	71.5





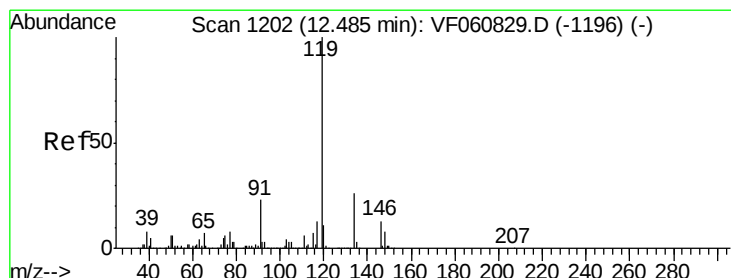
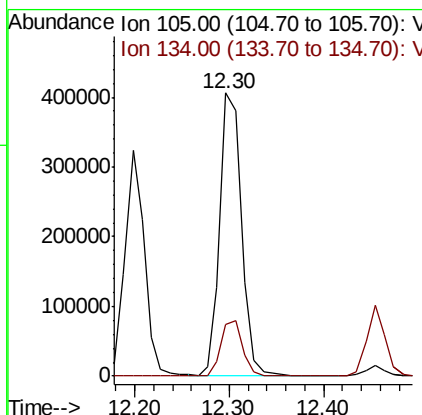
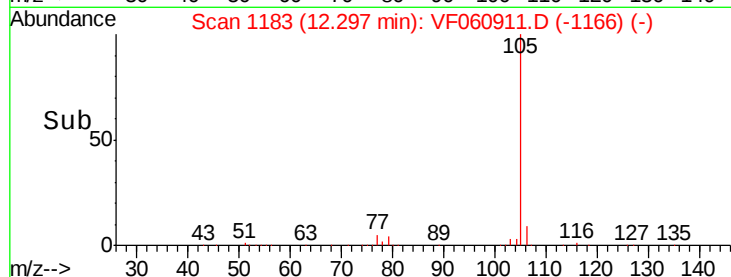
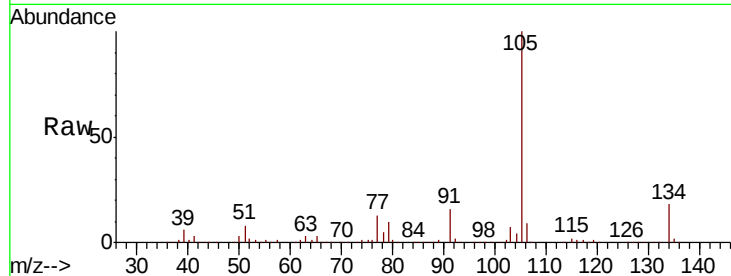
#85
 sec-Butylbenzene
 Concen: 49.303 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.0	9.5	28.5

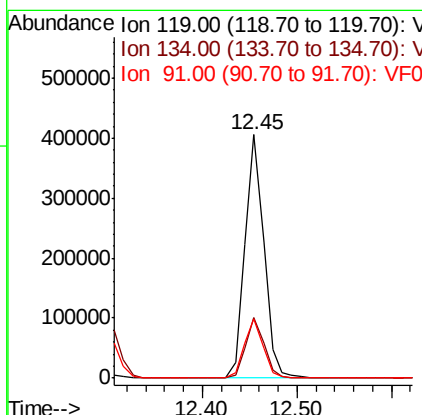
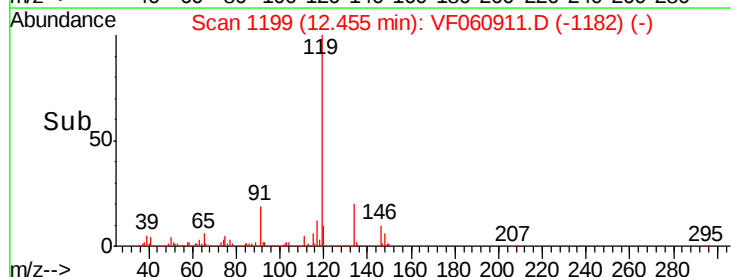
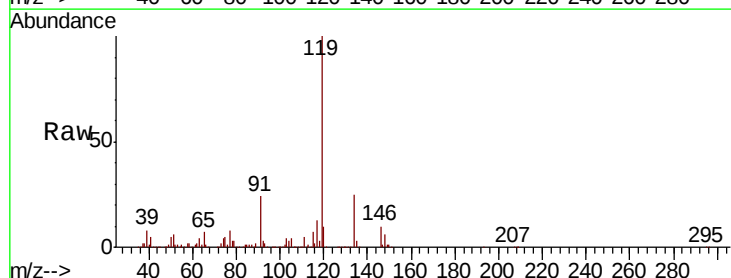
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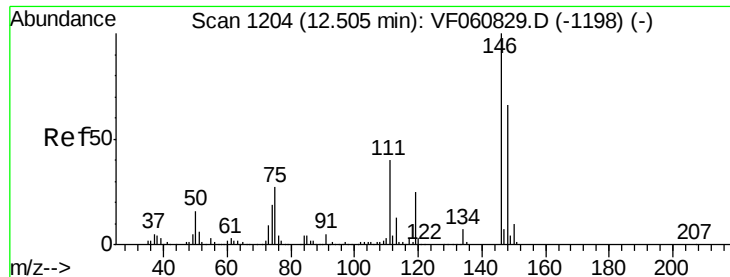
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#86
 p-Isopropyltoluene
 Concen: 50.568 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.9	38.6
91	24.2	11.8	35.3





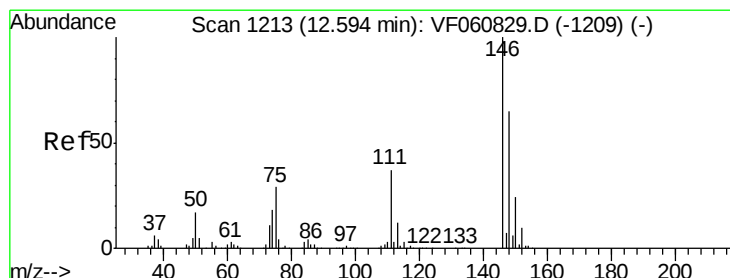
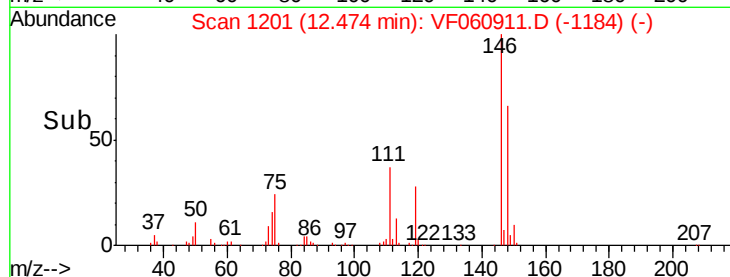
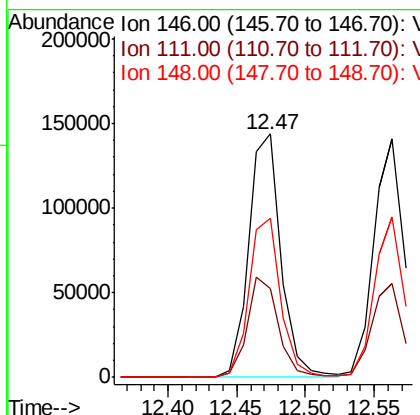
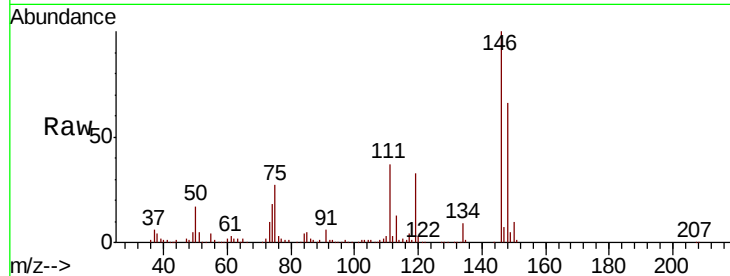
#87
 1,3-Dichlorobenzene
 Concen: 48.406 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.0	59.9
148	65.5	32.9	98.6

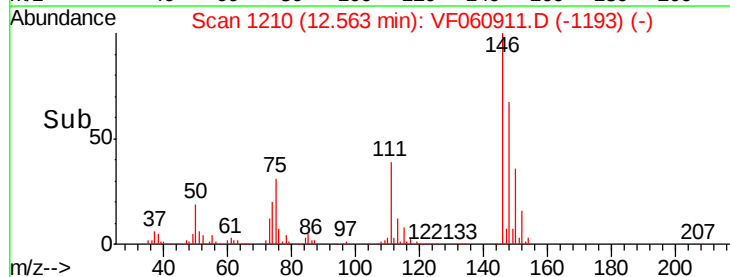
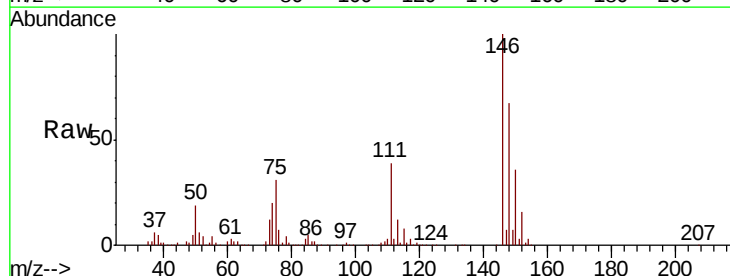
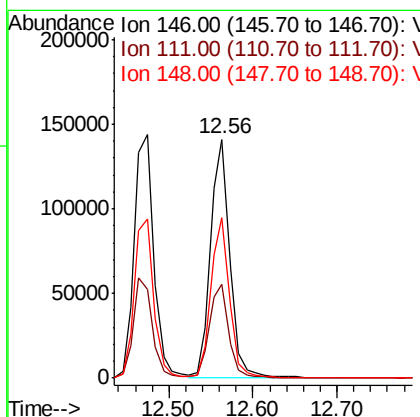
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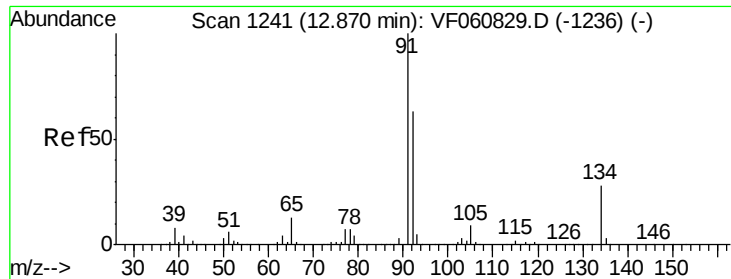
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#88
 1,4-Dichlorobenzene
 Concen: 47.190 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.7
148	66.9	32.3	96.9





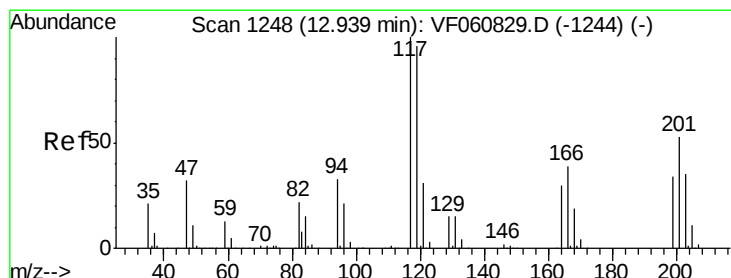
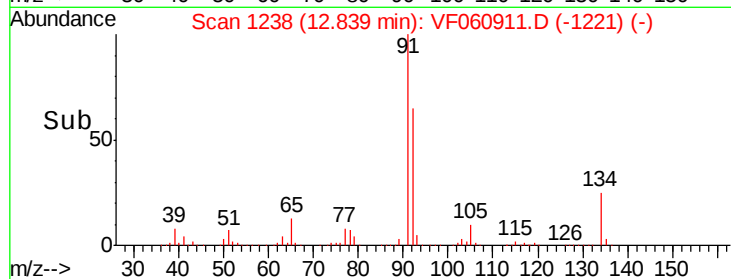
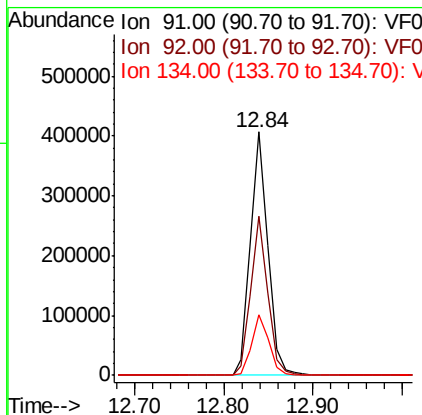
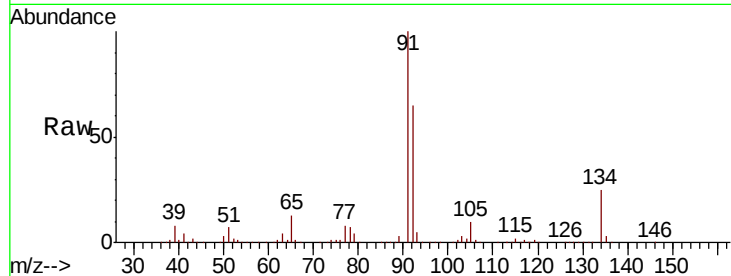
#89
n-Butylbenzene
Concen: 49.074 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.1	31.6	94.7
134	24.7	13.8	41.4

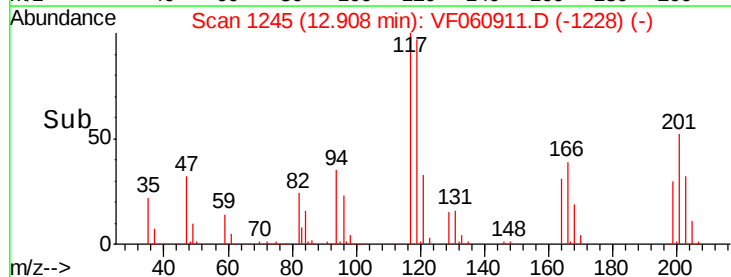
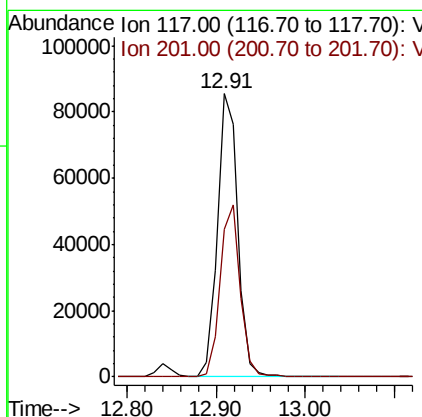
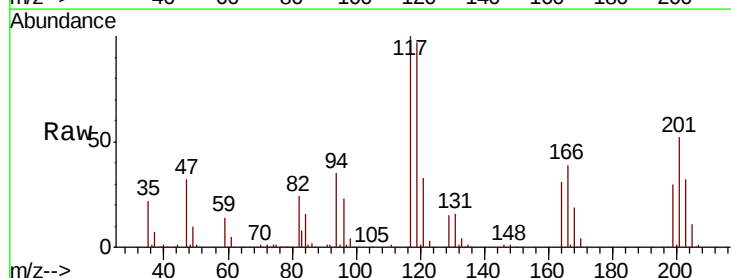
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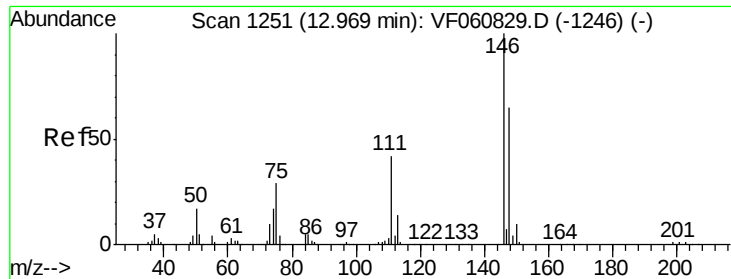
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#90
Hexachloroethane
Concen: 51.467 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.3	26.7	80.1





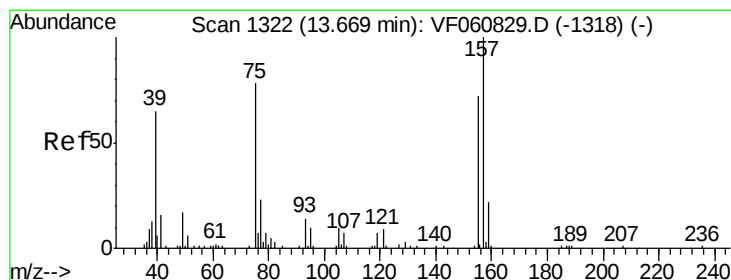
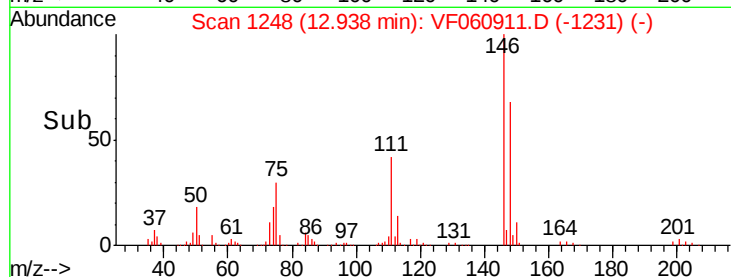
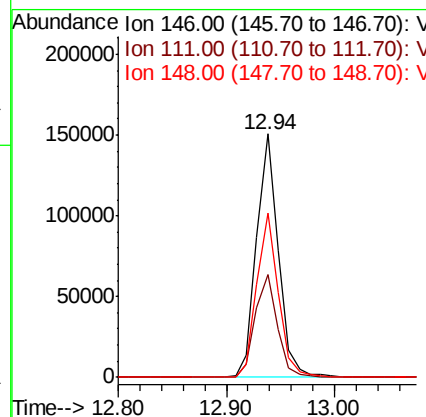
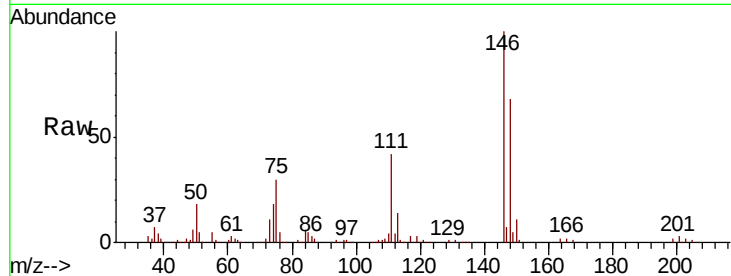
#91
 1,2-Dichlorobenzene
 Concen: 46.037 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212192		
111	42.2	21.2	63.6	
148	67.6	32.5	97.5	

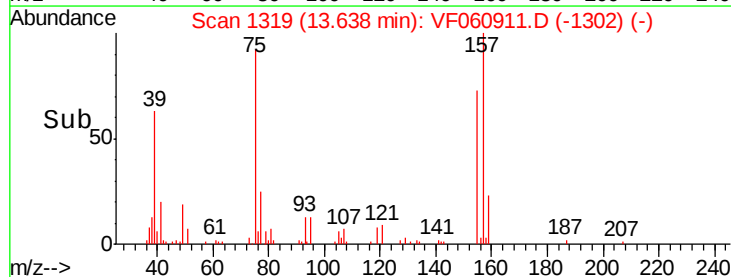
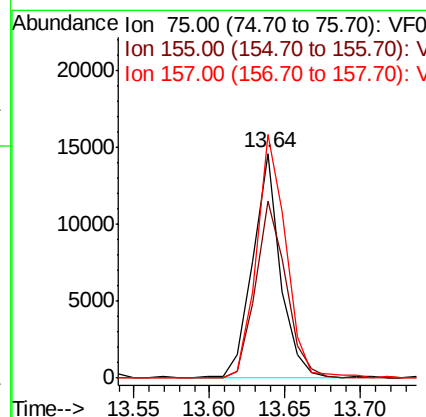
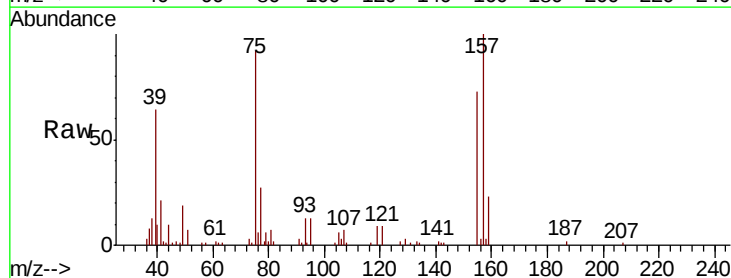
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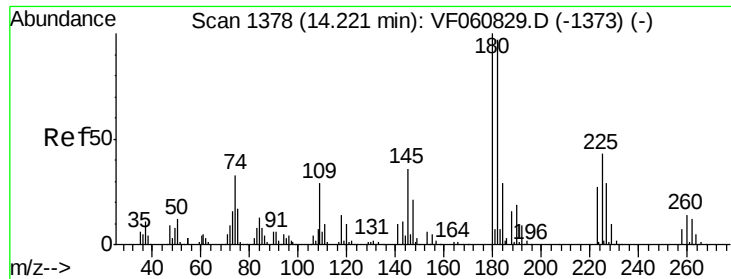
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.276 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18671		
155	78.8	45.6	136.9	
157	108.3	63.8	191.5	





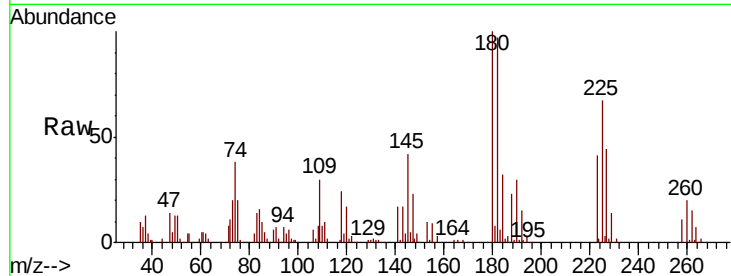
#93
 1,2,4-Trichlorobenzene
 Concen: 48.624 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156597		
182	97.3	48.5	145.5	
145	42.4	18.1	54.3	

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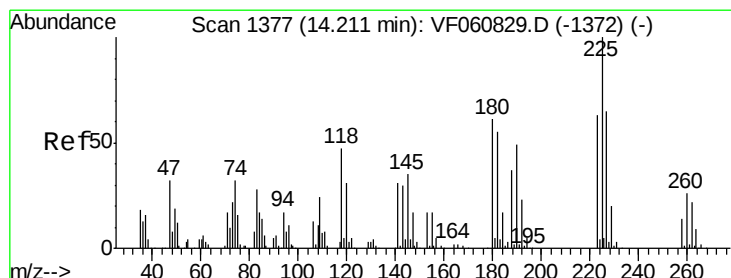
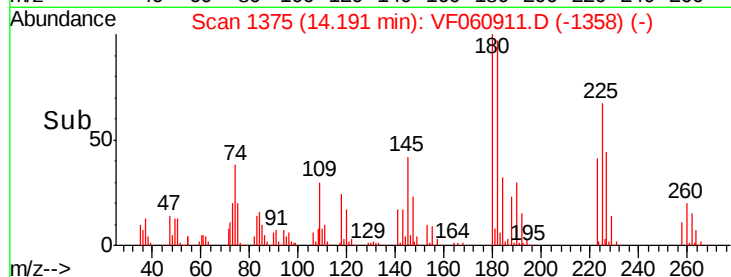
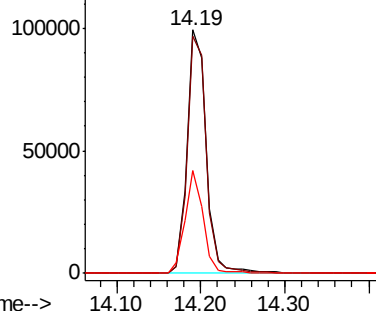


Abundance

Ion 180.00 (179.70 to 180.70): V

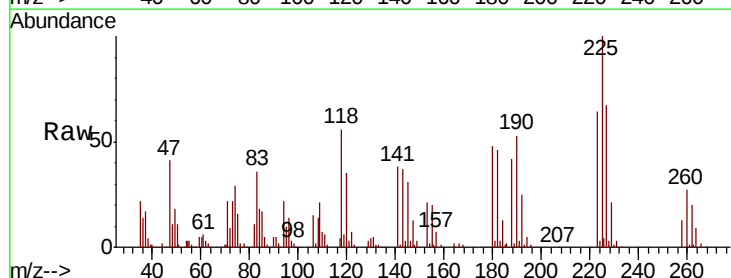
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 49.966 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060911.D
 Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107272		
223	63.8	31.4	94.3	
227	66.6	32.5	97.5	

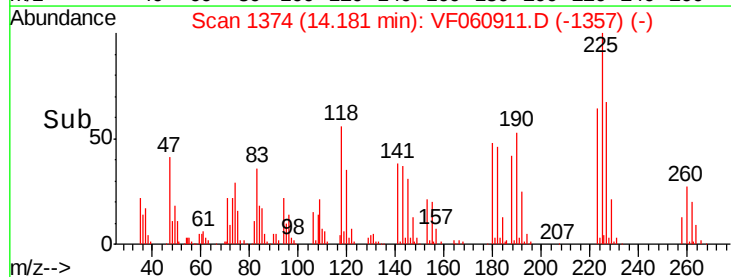
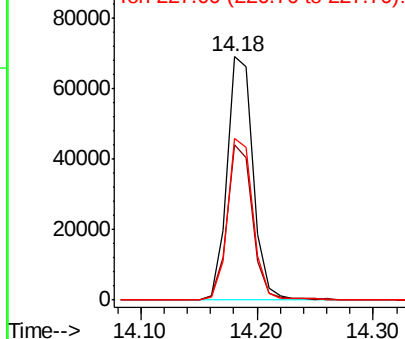


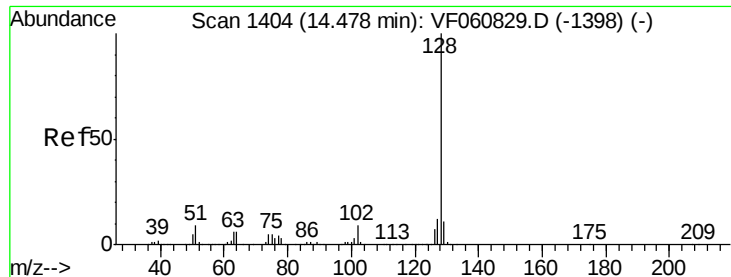
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





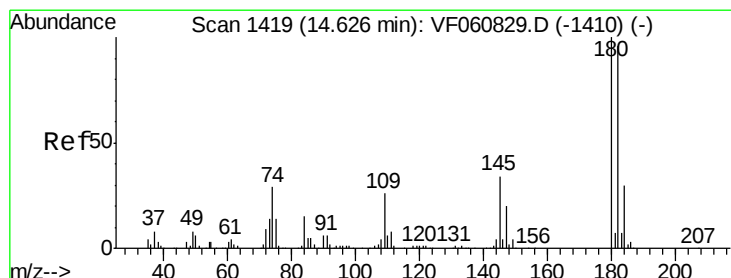
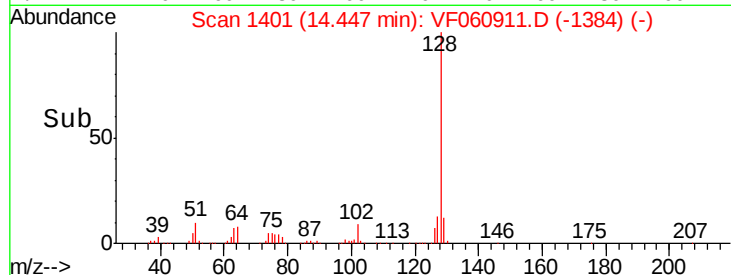
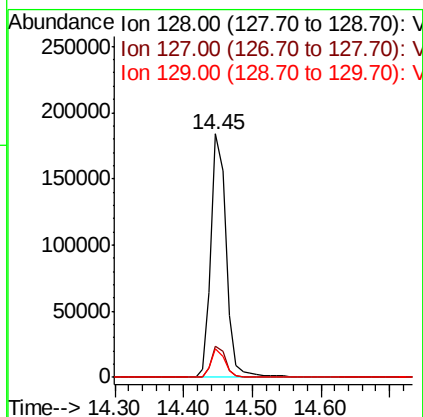
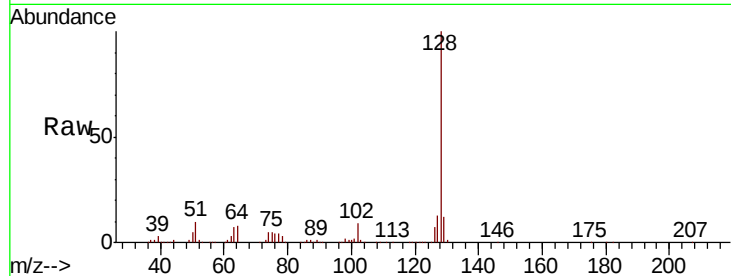
#95
Naphthalene
Concen: 45.503 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	286399		
127	12.7		9.9	14.9
129	11.7		9.1	13.7

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.041 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF060911.D
Acq: 6 Dec 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	143660		
182	98.7		47.9	143.8
145	35.9		17.2	51.5

