

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060590.D
 Acq On : 6 Nov 2018 1:27
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:52 PM

Quant Time: Nov 06 07:48:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	250803	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	440660	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	406334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	214092	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	143604	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	
35) Dibromofluoromethane	4.12	113	179031	52.59	ug/l	0.01
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	7.56	98	523966	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.42	95	233158	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	126228	48.008	ug/l	95
3) Chloromethane	1.09	50	104721	47.709	ug/l	93
4) Vinyl Chloride	1.14	62	91852	45.412	ug/l	91
5) Bromomethane	1.32	94	56669	49.913	ug/l	95
6) Chloroethane	1.37	64	37796	51.920	ug/l	96
7) Trichlorofluoromethane	1.48	101	192398	50.823	ug/l	96
8) Diethyl Ether	1.63	74	32606	46.471	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.81	101	99852	46.158	ug/l	97
10) Methyl Iodide	1.88	142	174867	49.121	ug/l	95
11) Tert butyl alcohol	2.57	59	29789	223.756	ug/l #	86
12) 1,1-Dichloroethene	1.78	96	76871	42.190	ug/l	95
13) Acrolein	2.01	56	20686	248.715	ug/l	94
14) Allyl chloride	2.10	41	152944	51.409	ug/l	98
15) Acrylonitrile	2.94	53	73005	241.735	ug/l	93
16) Acetone	2.24	43	121161m	202.910	ug/l	
17) Carbon Disulfide	1.82	76	234821	45.753	ug/l	96
18) Methyl Acetate	2.35	43	49160	52.973	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	217588	51.086	ug/l	99
20) Methylene Chloride	2.19	84	90284	51.117	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	93245	48.781	ug/l	94
22) Diisopropyl ether	2.81	45	334225	53.024	ug/l #	96
23) Vinyl Acetate	3.19	43	877255	231.636	ug/l	98
24) 1,1-Dichloroethane	2.88	63	191488	52.492	ug/l	97
25) 2-Butanone	4.34	43	266540	235.468	ug/l	99
26) 2,2-Dichloropropane	3.61	77	130199	47.699	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	177347	48.601	ug/l	97
28) Bromochloromethane	3.72	49	126965	55.460	ug/l	97
29) Tetrahydrofuran	4.08	42	119908	272.396	ug/l	98
30) Chloroform	3.87	83	297490	51.546	ug/l	99
31) Cyclohexane	3.70	56	240564	47.787	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	223108	55.350	ug/l	98
36) 1,1-Dichloropropene	4.29	75	225640	46.505	ug/l	96
37) Ethyl Acetate	4.12	43	100867	43.307	ug/l	96
38) Carbon Tetrachloride	4.00	117	212321m	51.211	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	269900	45.583	ug/l	97
40) Benzene	4.64	78	540510	45.893	ug/l	100
41) Methacrylonitrile	4.75	41	61449	46.587	ug/l	93
42) 1,2-Dichloroethane	4.95	62	168209	49.762	ug/l	98
43) Isopropyl Acetate	6.97	43	154654	52.494	ug/l #	98
44) Trichloroethene	5.51	130	168718	47.666	ug/l	98
45) 1,2-Dichloropropane	6.24	63	157078	52.149	ug/l	97
46) Dibromomethane	6.09	93	100379	52.529	ug/l	90
47) Bromodichloromethane	6.40	83	238786	51.807	ug/l	100
48) Methyl methacrylate	6.72	41	102024	55.100	ug/l	95
49) 1,4-Dioxane	6.71	88	16484	851.021	ug/l #	86
51) 4-Methyl-2-Pentanone	8.26	43	503015	253.896	ug/l	99
52) Toluene	7.63	92	369857	48.209	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	193223	48.234	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	268885	53.125	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	109986	49.266	ug/l	97
56) Ethyl methacrylate	8.63	69	156161	54.367	ug/l	97
57) 1,3-Dichloropropane	8.86	76	200739	51.245	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	49037	268.437	ug/l	100
59) 2-Hexanone	9.50	43	363254	279.973	ug/l	100
60) Dibromochloromethane	8.73	129	159210	50.992	ug/l	99
61) 1,2-Dibromoethane	8.99	107	123227	52.488	ug/l	94
64) Tetrachloroethene	8.16	164	149762	47.029	ug/l	97
65) Chlorobenzene	9.81	112	388522	46.756	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	168875	48.097	ug/l	92
67) Ethyl Benzene	9.91	91	713108	47.291	ug/l	99
68) m/p-Xylenes	10.15	106	535276	94.236	ug/l	95
69) o-Xylene	10.72	106	307278	49.542	ug/l	99
70) Styrene	10.80	104	407454	45.345	ug/l	96
71) Bromoform	10.78	173	84246	46.458	ug/l	97
73) Isopropylbenzene	11.13	105	825997	49.471	ug/l	99
74) N-amyl acetate	11.38	43	237265	56.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	156340	51.299	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	68831	45.956	ug/l	99
77) Bromobenzene	11.51	156	183152	50.131	ug/l	86
78) n-propylbenzene	11.61	91	917836	46.984	ug/l	95
79) 2-Chlorotoluene	11.72	91	554469	49.700	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	643415	46.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	52053m	44.222	ug/l	
82) 4-Chlorotoluene	11.90	91	563879	48.445	ug/l	100
83) tert-Butylbenzene	12.14	119	664136	47.237	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	643334	47.734	ug/l	98
85) sec-Butylbenzene	12.32	105	925131	47.833	ug/l	95
86) p-Isopropyltoluene	12.46	119	735506	46.179	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	329660	45.972	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	333763	49.072	ug/l	98
89) n-Butylbenzene	12.85	91	744510	47.720	ug/l	100
90) Hexachloroethane	12.93	117	201270	49.691	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	323727	48.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	26234	49.547	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	218912	48.032	ug/l	94
94) Hexachlorobutadiene	14.19	225	139843	47.351	ug/l	96
95) Naphthalene	14.46	128	469613	51.480	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	214200	49.752	ug/l	97

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

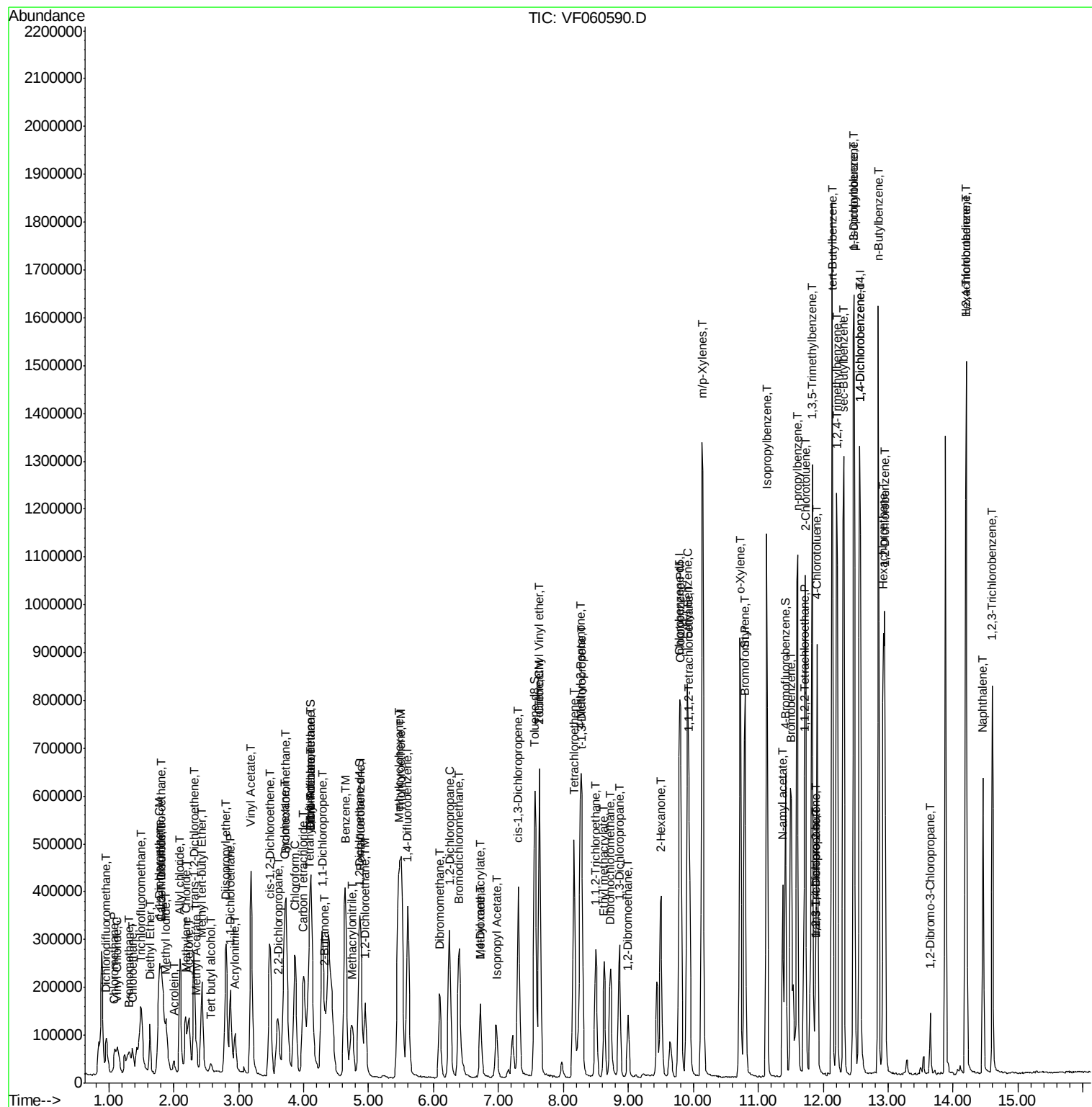
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
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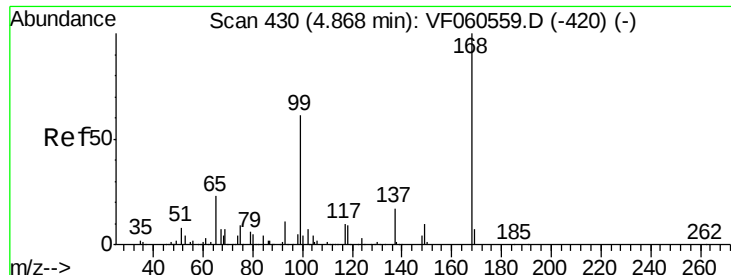
Instrument :
MSVOA_F
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 250803

Ion Ratio Lower Upper

168 100

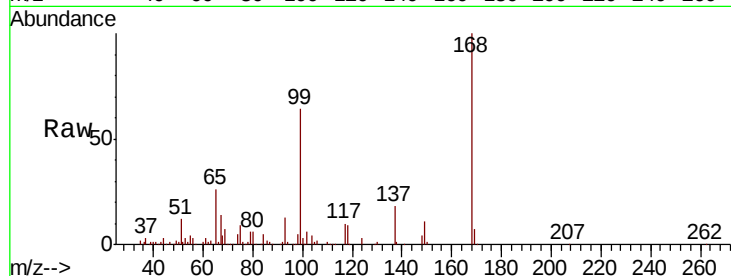
99 64.4 48.6 72.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

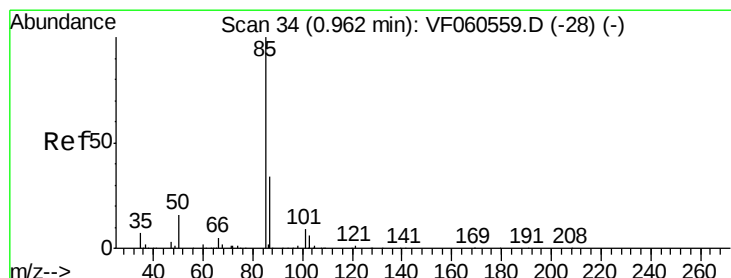
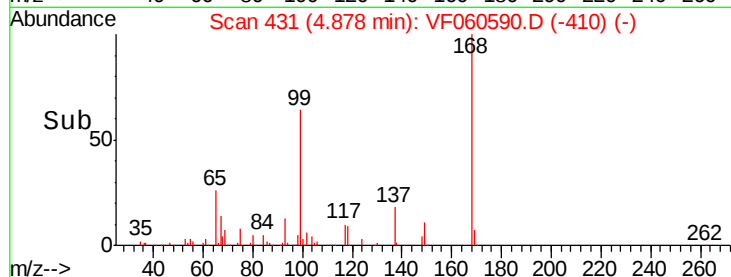
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.008 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060590.D

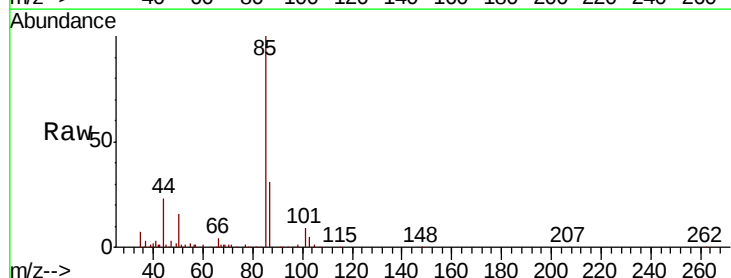
Acq: 6 Nov 2018 1:27

Tgt Ion: 85 Resp: 126228

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

30000

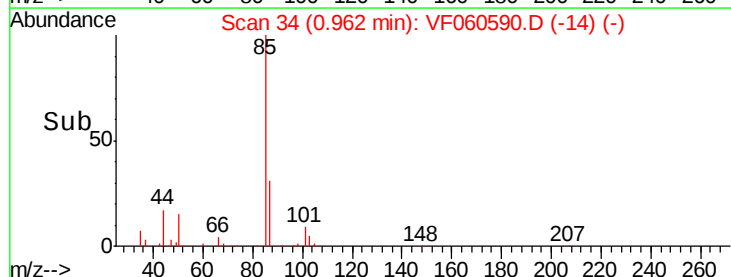
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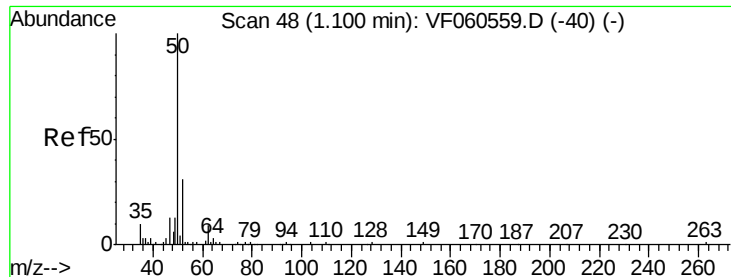
10000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 47.709 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 104721

Ion Ratio Lower Upper

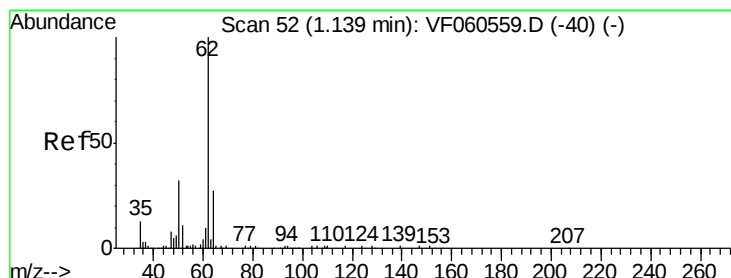
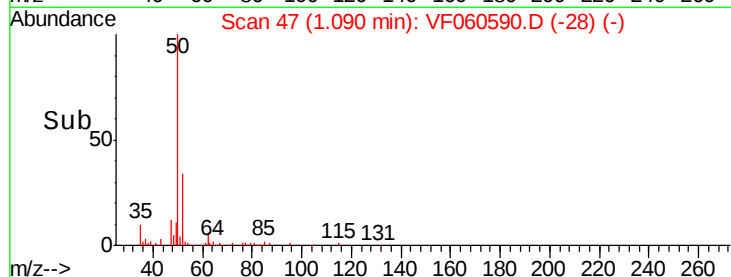
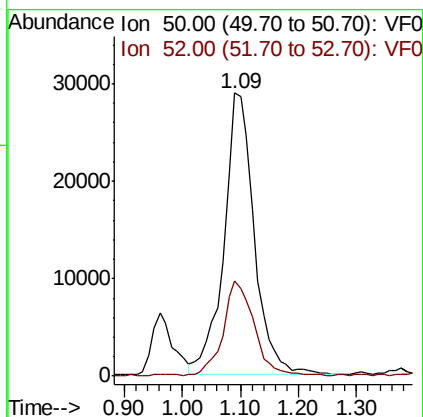
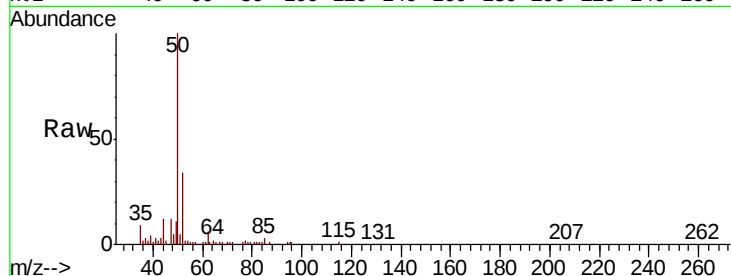
50 100

52 33.9 24.0 36.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.412 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060590.D

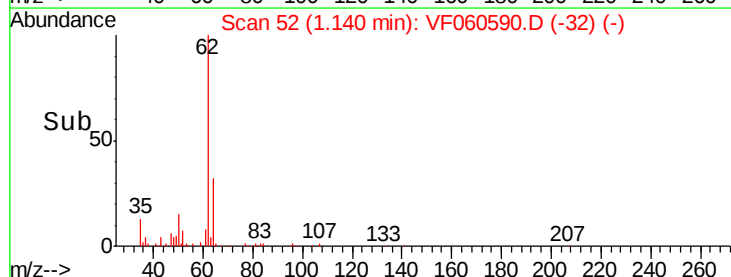
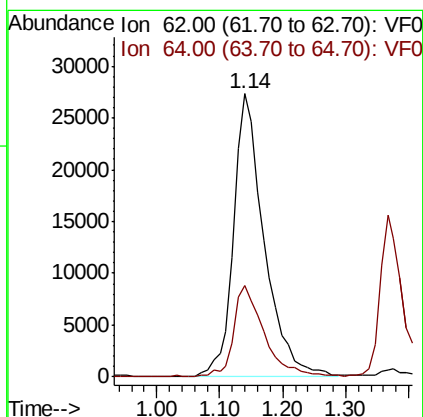
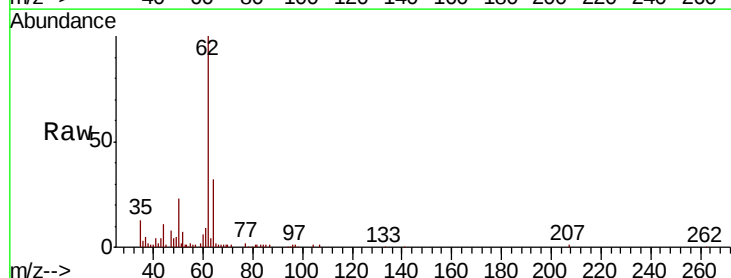
Acq: 6 Nov 2018 1:27

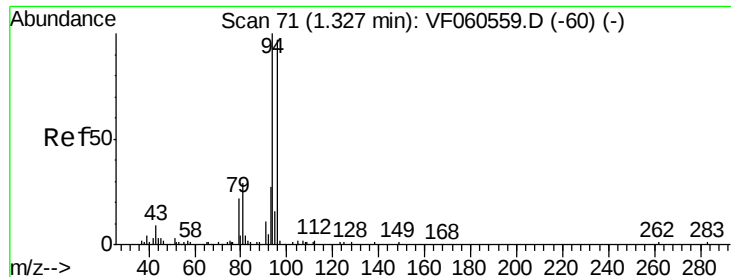
Tgt Ion: 62 Resp: 91852

Ion Ratio Lower Upper

62 100

64 32.1 21.8 32.6





#5

Bromomethane

Concen: 49.913 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56669

Ion Ratio Lower Upper

94 100

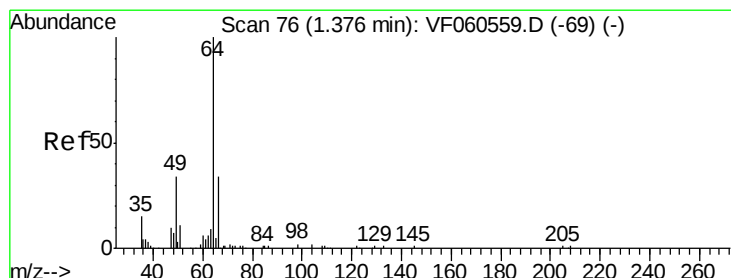
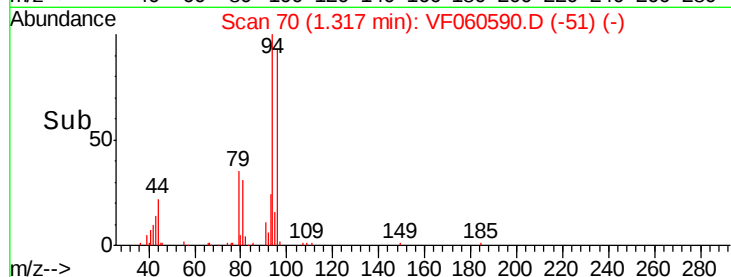
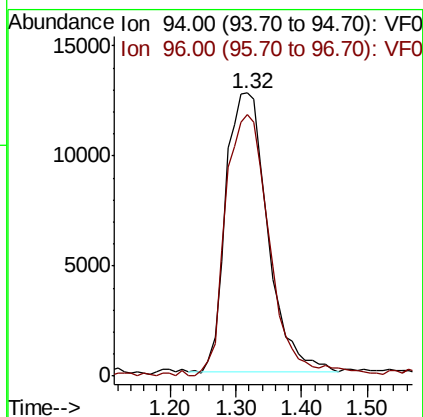
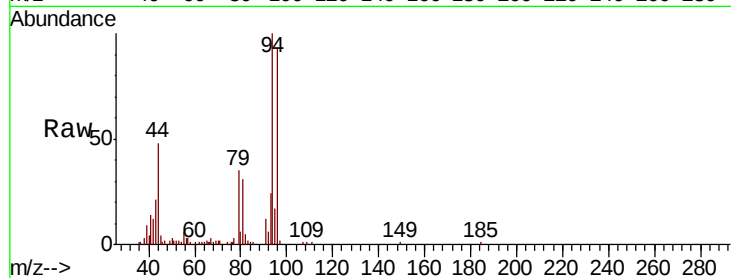
96 92.6 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 51.920 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060590.D

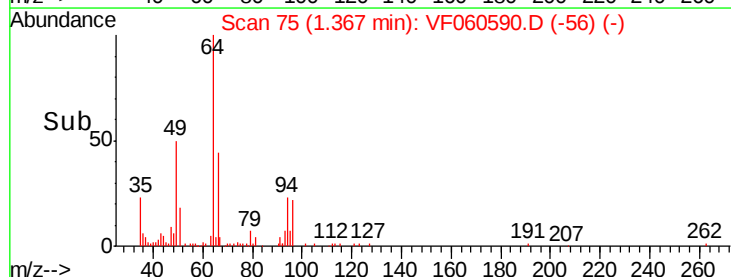
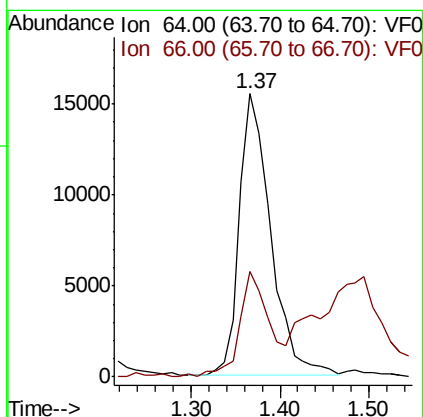
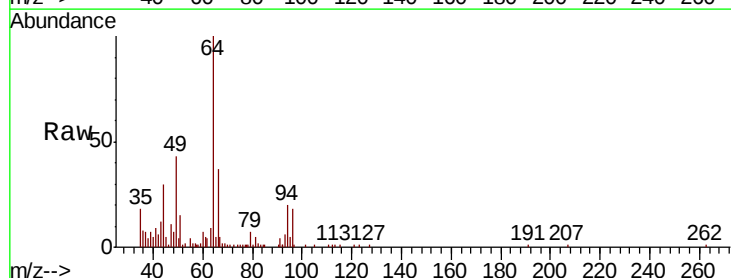
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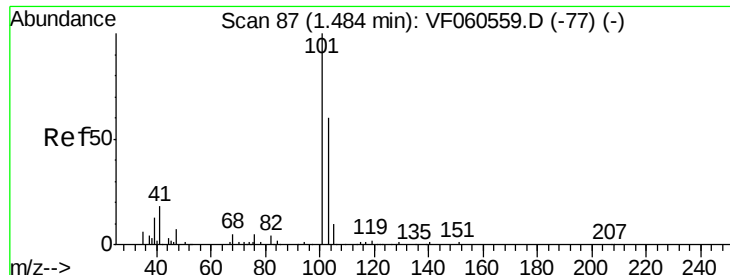
Tgt Ion: 64 Resp: 37796

Ion Ratio Lower Upper

64 100

66 37.1 27.8 41.8





#7

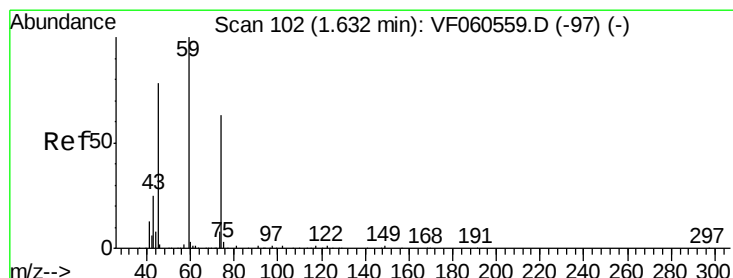
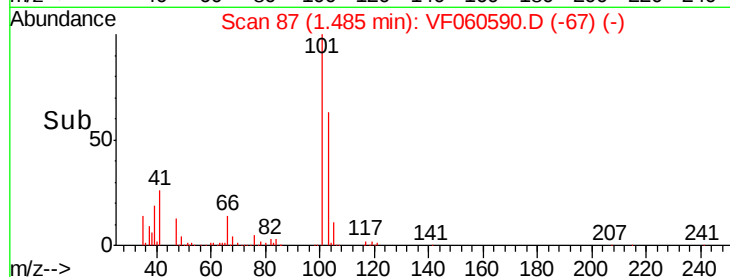
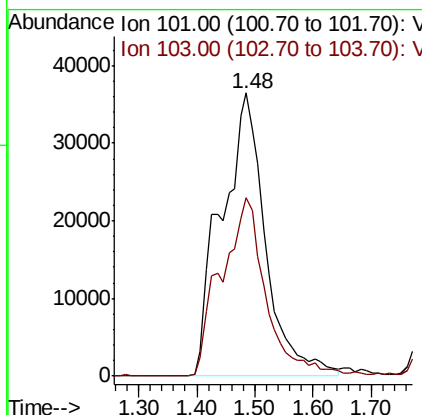
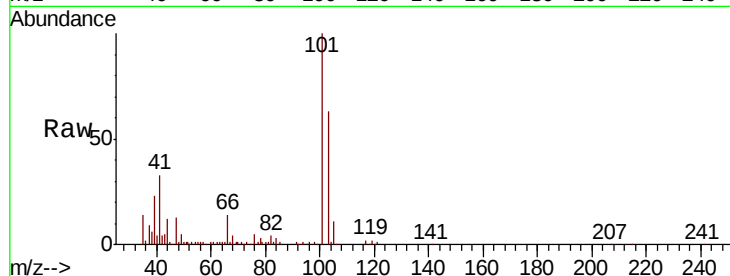
Trichlorofluoromethane
Concen: 50.823 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	192398		
103	63.0	48.0	72.0	

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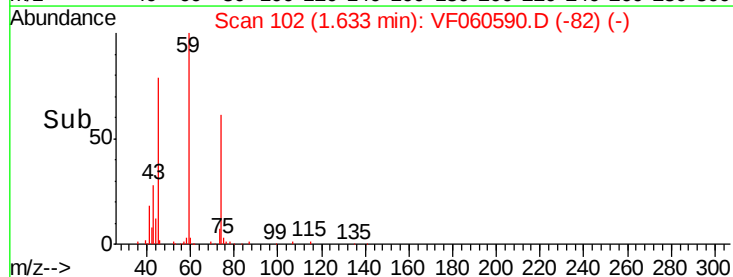
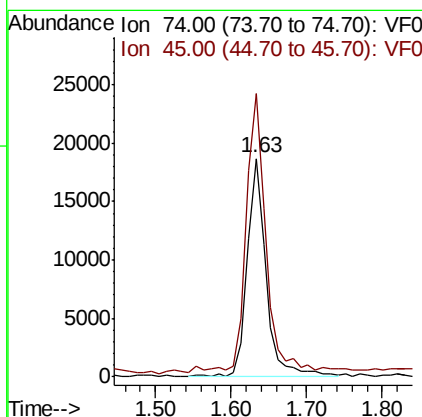
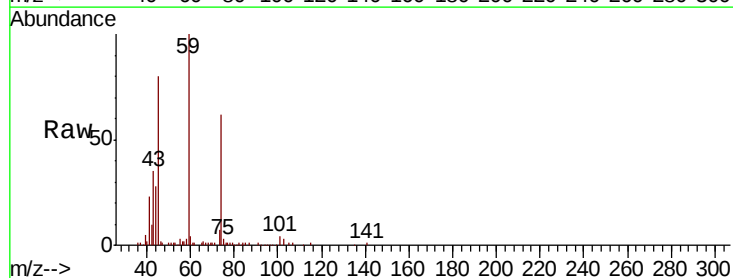
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11/6/2018 12:53:52 PM

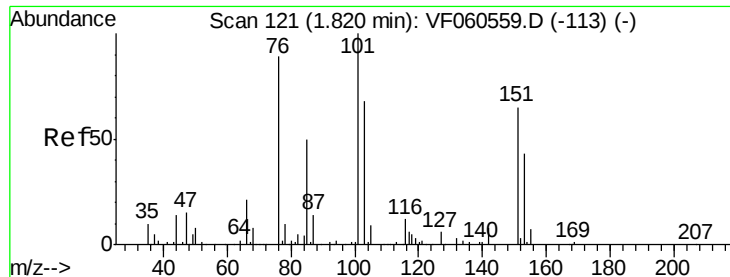


#8

Diethyl Ether
Concen: 46.471 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	32606		
45	129.8	63.8	191.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.158 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

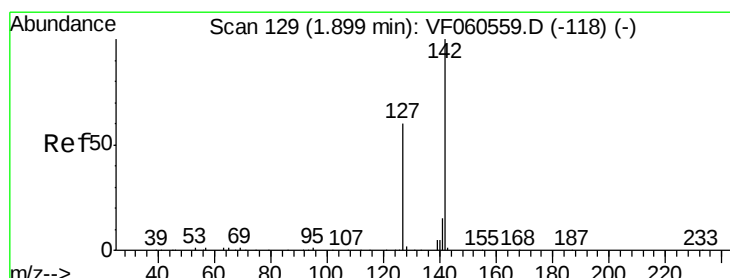
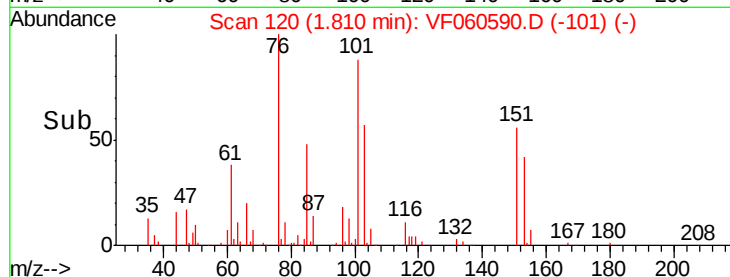
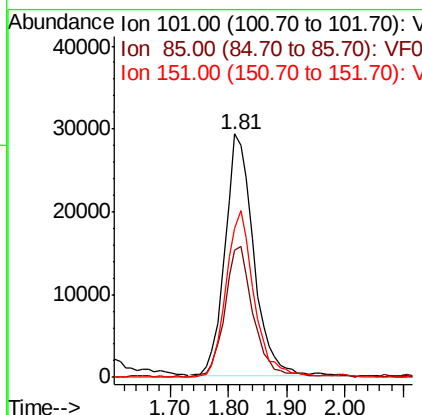
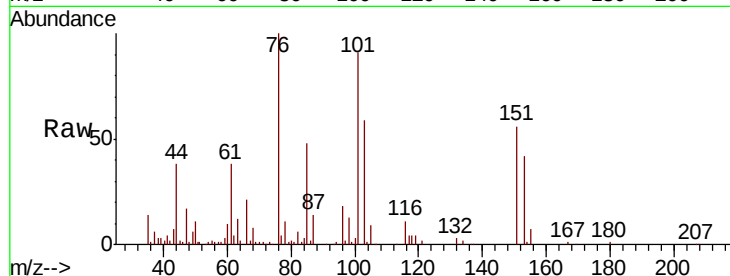
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	99852
Ion Ratio	Lower	Upper	
101	100		
85	52.2	39.8	59.6
151	61.1	50.8	76.2

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#10

Methyl Iodide

Concen: 49.121 ug/l

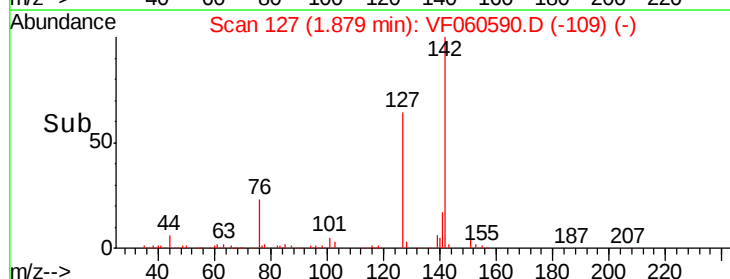
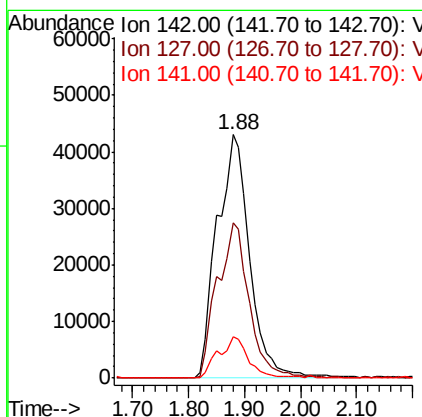
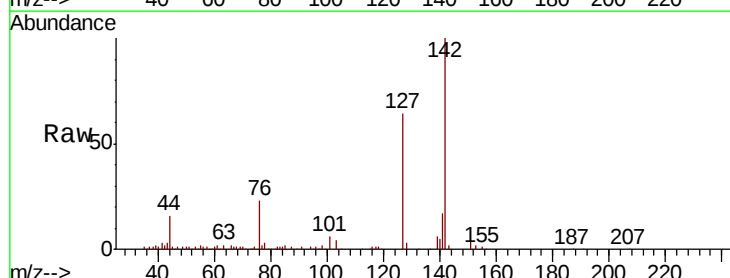
RT: 1.88 min Scan# 127

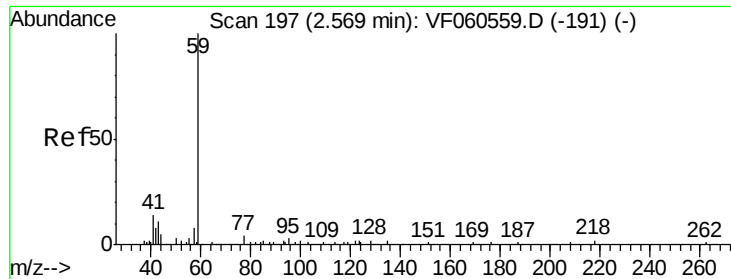
Delta R.T. -0.02 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion:	142	Resp:	174867
Ion Ratio	Lower	Upper	
142	100		
127	63.8	47.8	71.6
141	16.8	12.7	19.1





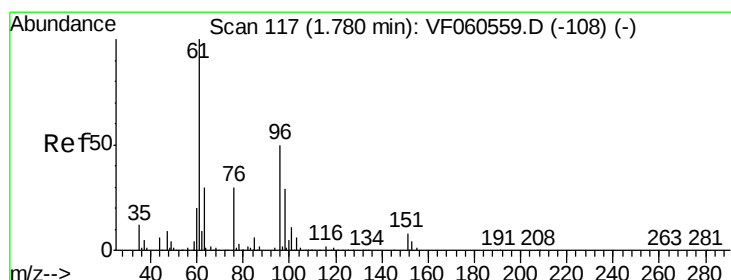
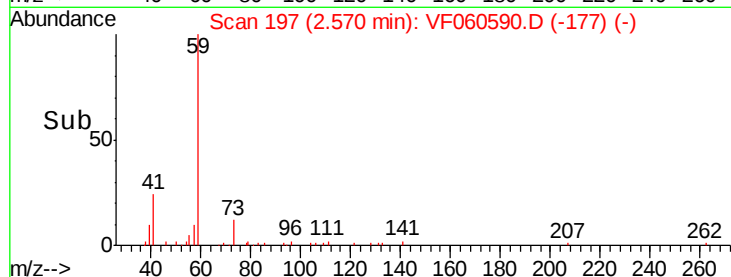
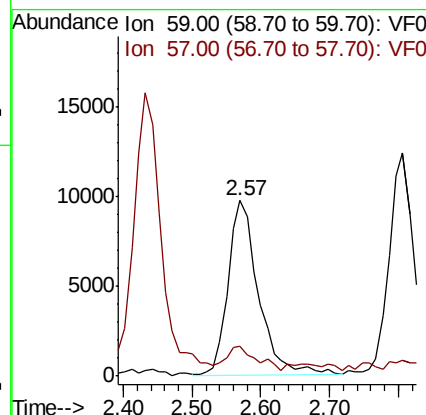
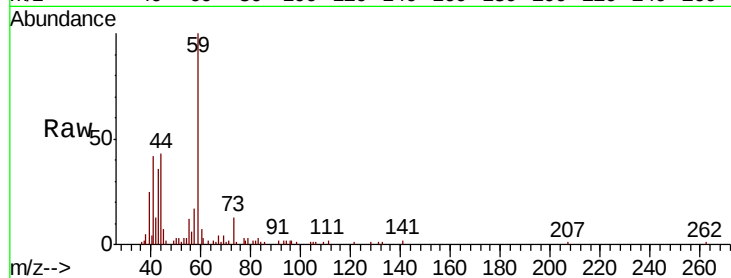
#11
Tert butyl alcohol
Concen: 223.756 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 29789
Ion Ratio Lower Upper
59 100
57 17.1 19.0 28.4#

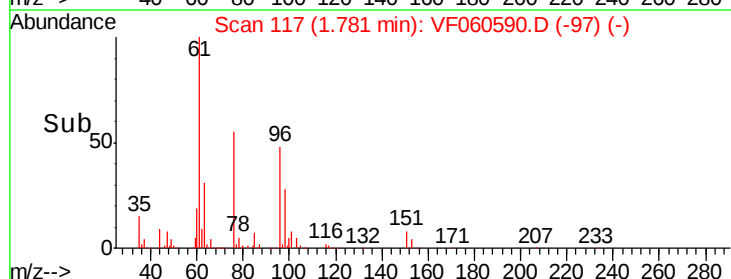
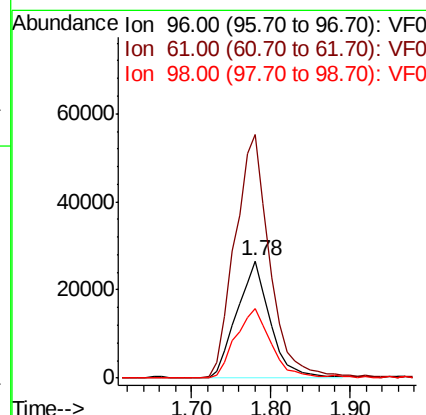
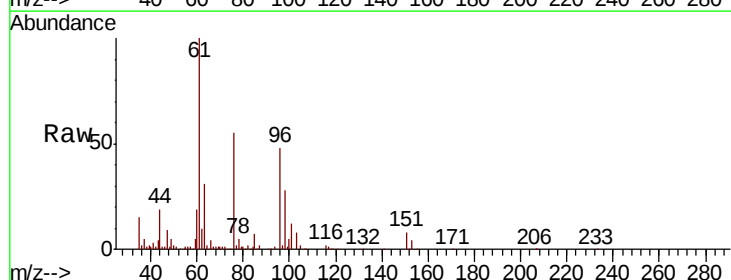
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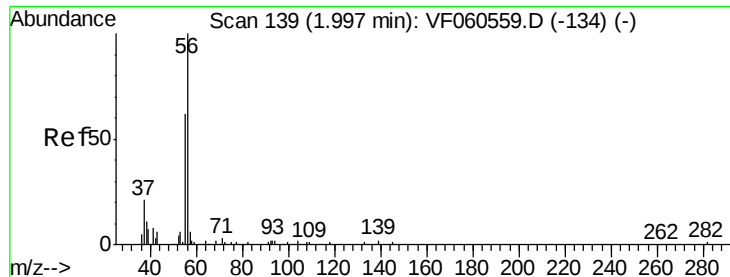
MMDadoda
11/6/2018 12:53:52 PM



#12
1,1-Dichloroethene
Concen: 42.190 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion: 96 Resp: 76871
Ion Ratio Lower Upper
96 100
61 207.8 158.1 237.1
98 58.9 47.0 70.6





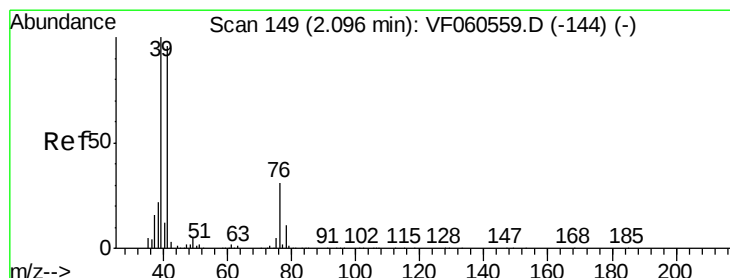
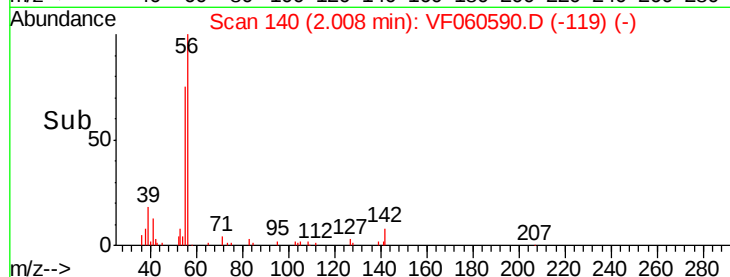
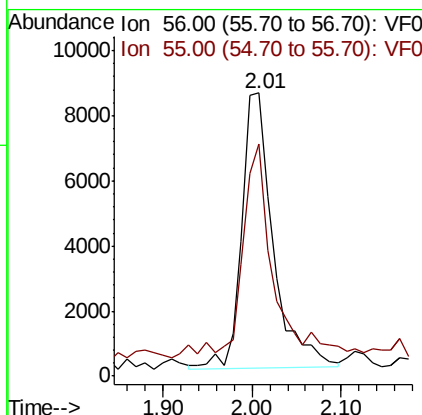
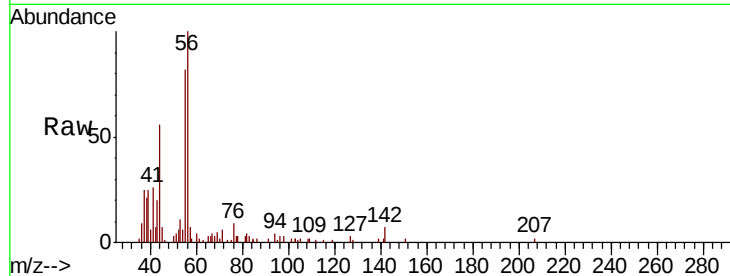
#13
Acrolein
Concen: 248.715 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	82.0	61.8	92.6

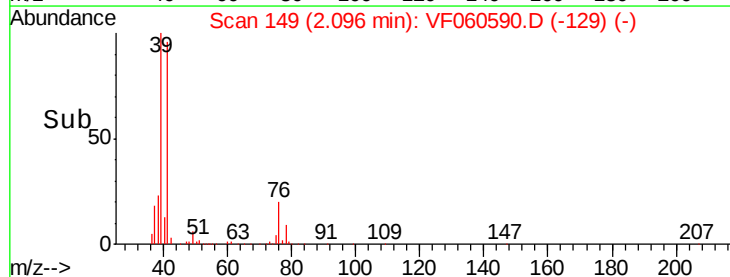
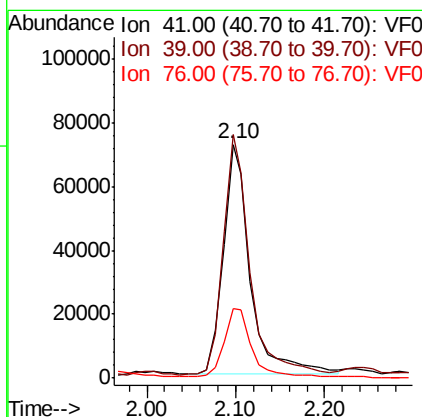
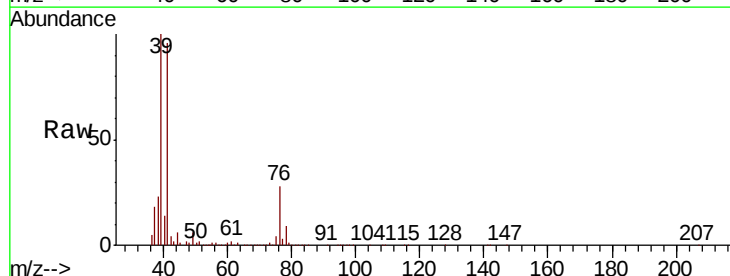
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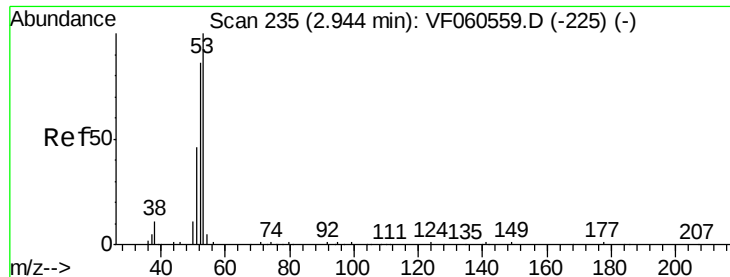
MMDadoda
11/6/2018 12:53:52 PM



#14
Allyl chloride
Concen: 51.409 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	104.1	82.6	124.0
76	29.5	26.7	40.1





#15

Acrylonitrile

Concen: 241.735 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

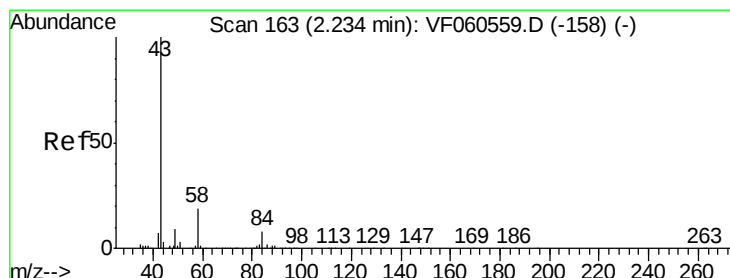
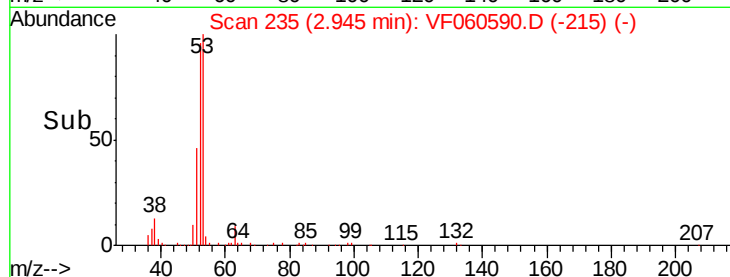
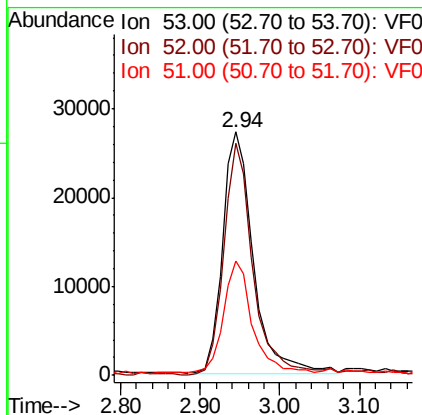
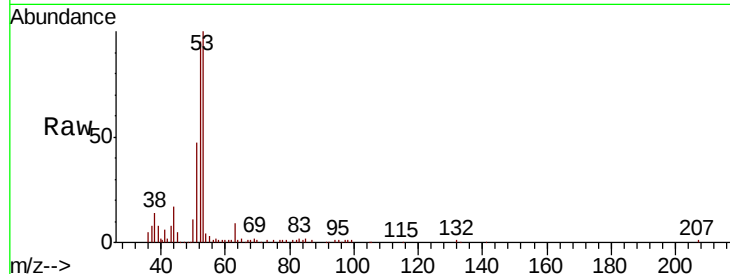
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	73005
Ion	Ratio	Lower	Upper
53	100		
52	95.3	68.5	102.7
51	47.1	38.2	57.2

Manual Integrations
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#16

Acetone

Concen: 202.910 ug/l m

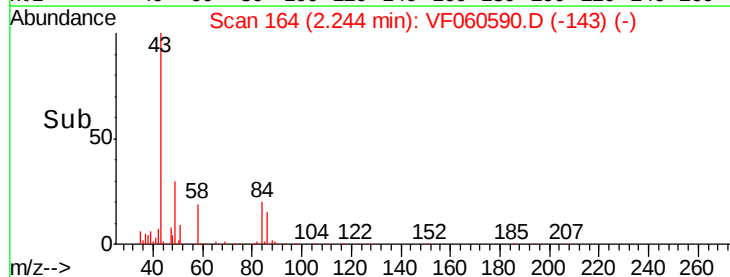
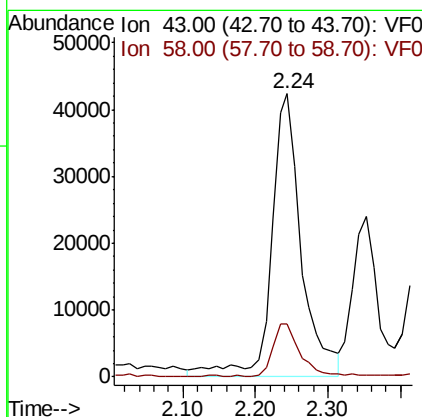
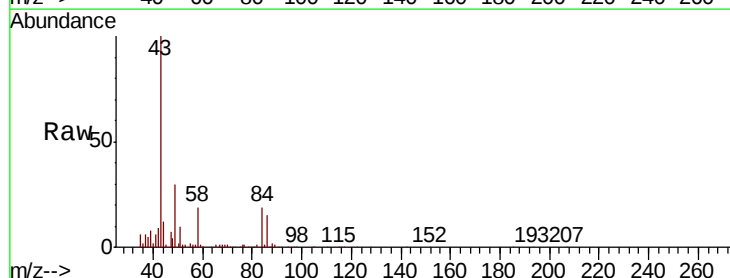
RT: 2.24 min Scan# 164

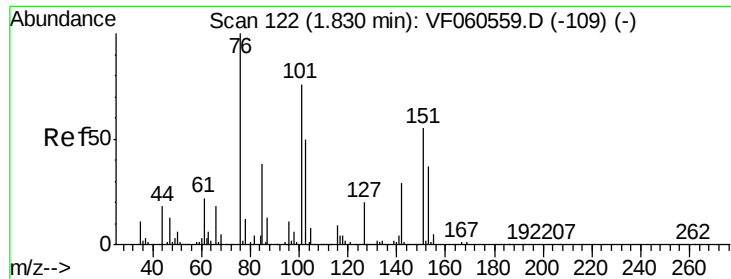
Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion:	43	Resp:	121161
Ion	Ratio	Lower	Upper
43	100		
58	18.7	14.6	22.0





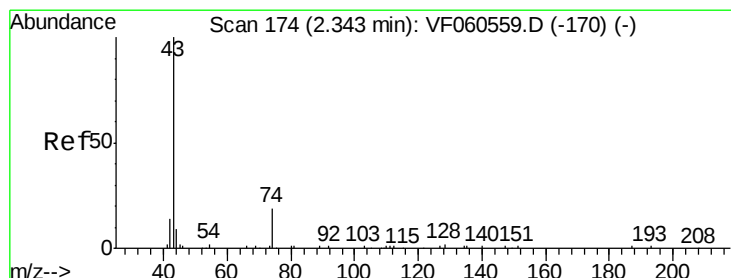
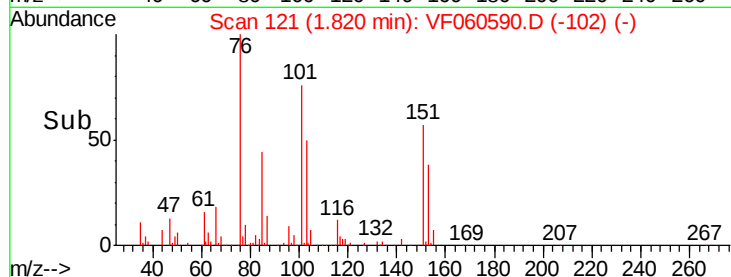
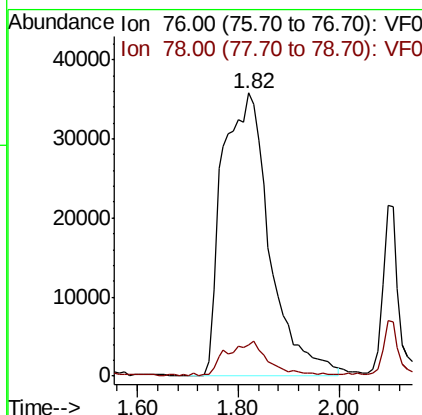
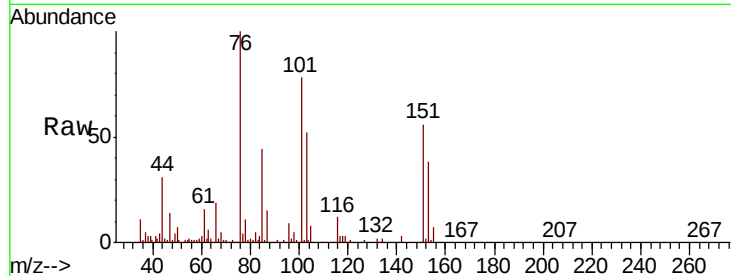
#17
Carbon Disulfide
Concen: 45.753 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.9	9.9	14.9

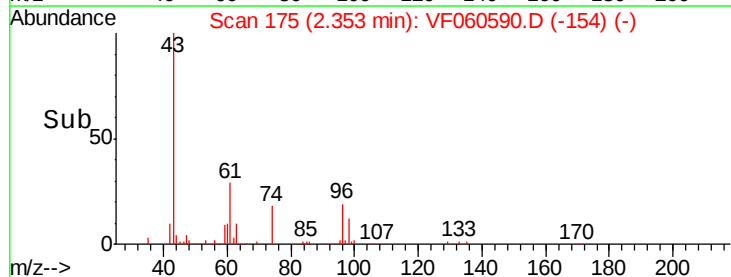
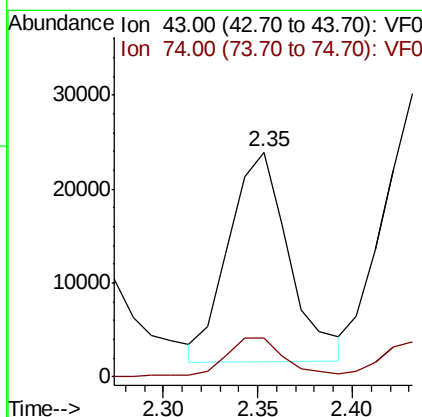
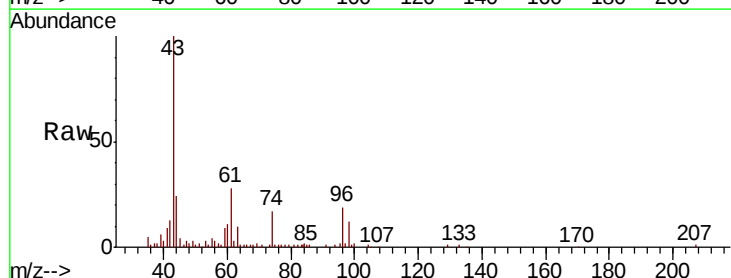
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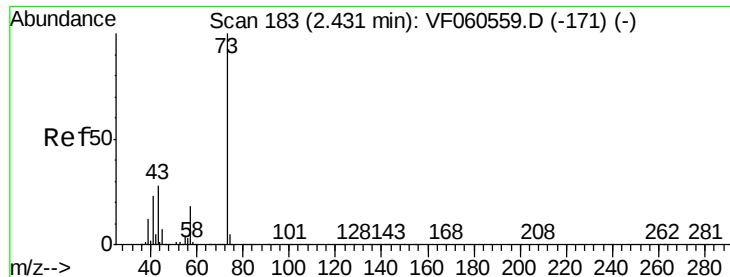
MMDadoda
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#18
Methyl Acetate
Concen: 52.973 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	12.1	18.1





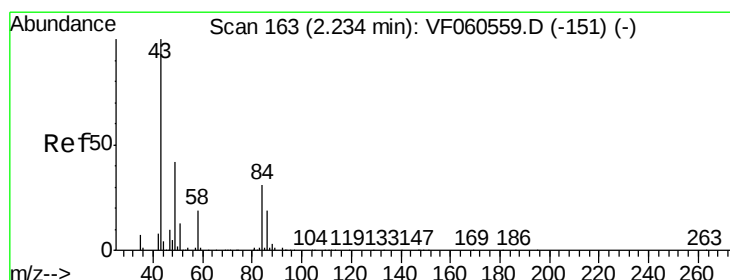
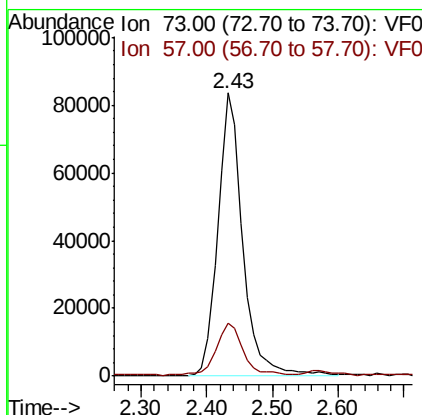
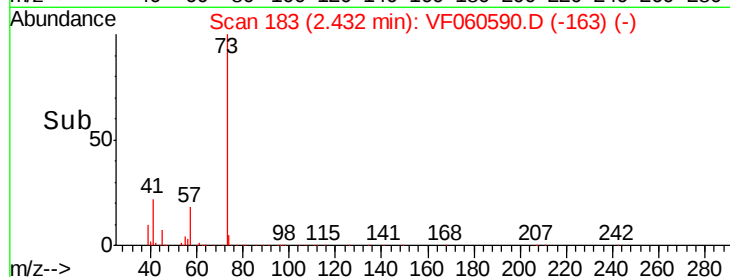
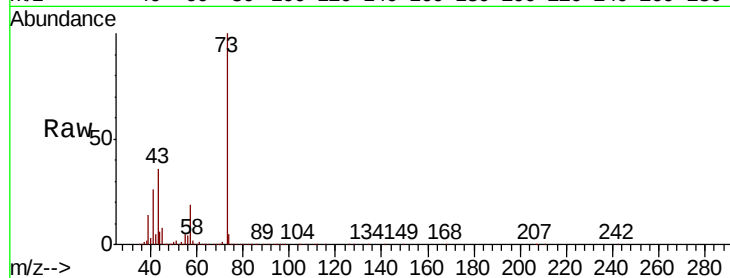
#19
Methyl tert-butyl Ether
Concen: 51.086 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 217588
Ion Ratio Lower Upper
73 100
57 18.9 15.4 23.0

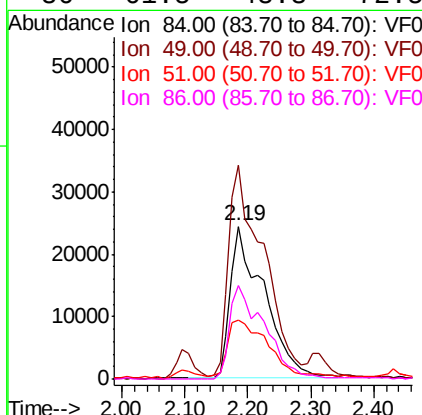
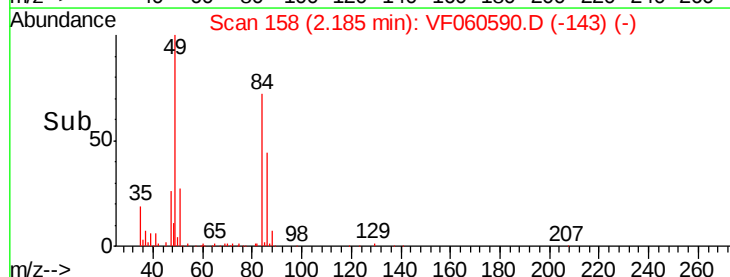
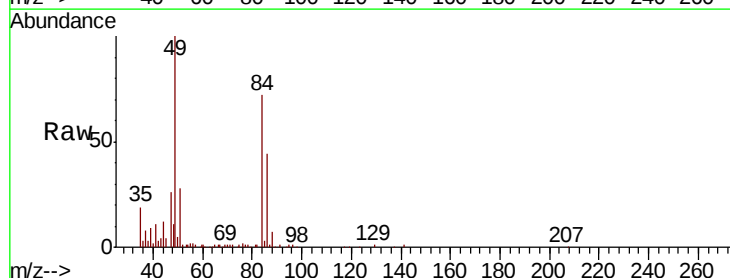
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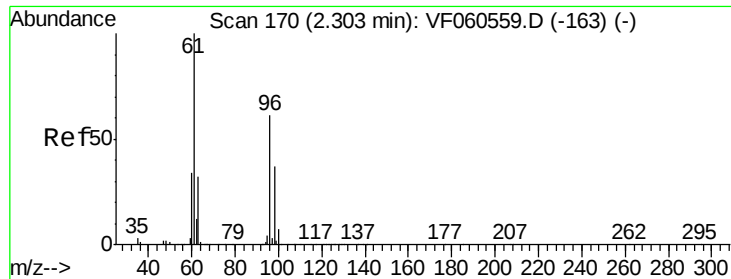
MMDadoda
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#20
Methylene Chloride
Concen: 51.117 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.05 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion: 84 Resp: 90284
Ion Ratio Lower Upper
84 100
49 139.8 109.9 164.9
51 39.0 35.8 53.8
86 61.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 48.781 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

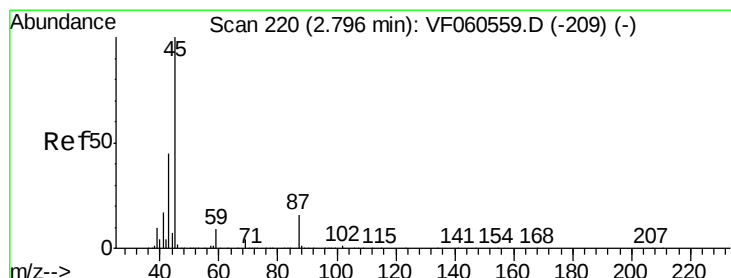
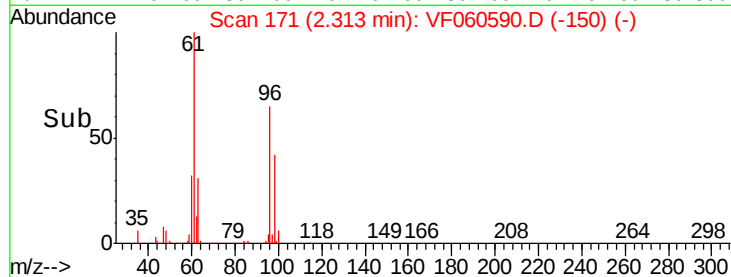
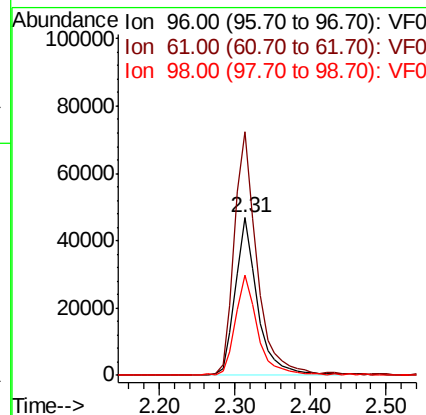
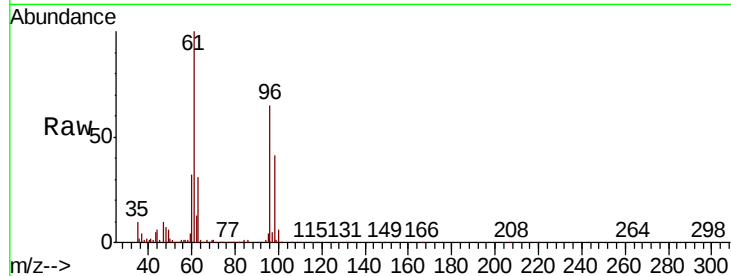
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	93245
Ion	Ratio	Lower	Upper
96	100		
61	154.5	131.3	196.9
98	63.5	48.6	73.0

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#22

Diisopropyl ether

Concen: 53.024 ug/l

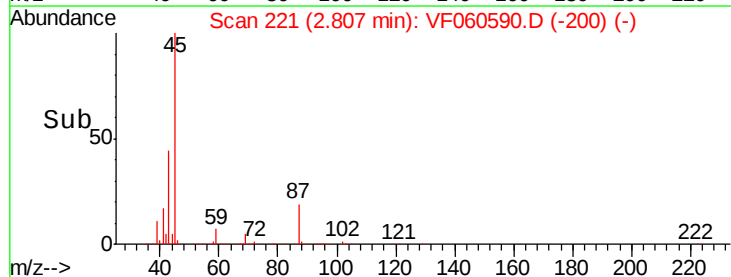
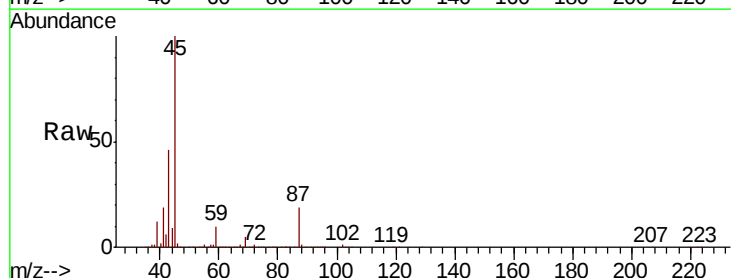
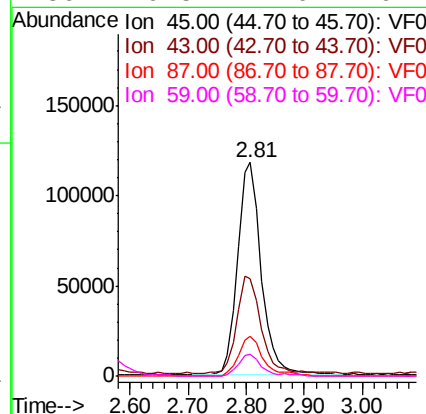
RT: 2.81 min Scan# 221

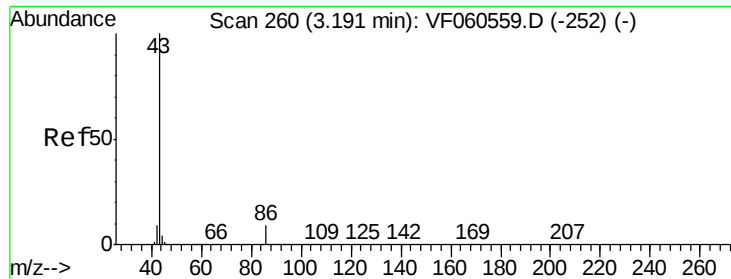
Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion:	45	Resp:	334225
Ion	Ratio	Lower	Upper
45	100		
43	45.7	38.1	57.1
87	18.7	12.7	19.1
59	10.5	7.0	10.4





#23

Vinyl Acetate

Concen: 231.636 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tot Ion: 43 Resp: 877255

Ion Ratio Lower Upper

43 100

86 8.1 7.1 10.7

Instrument :

MSVOA_F

ClientSampleId :

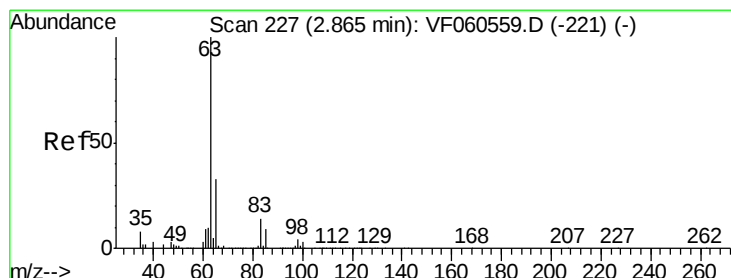
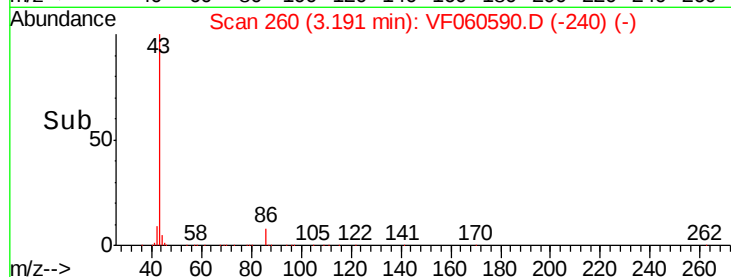
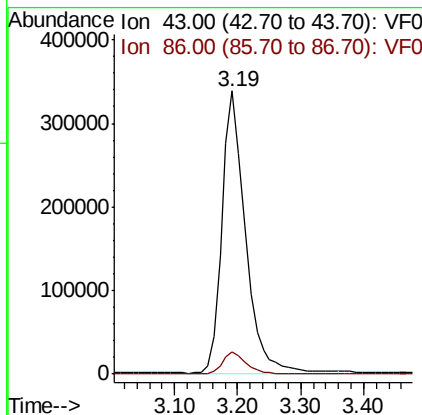
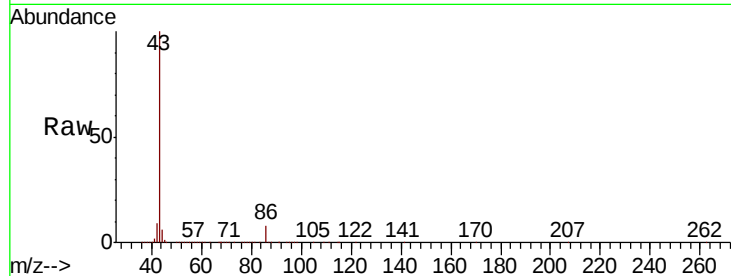
VSTDCCC050

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11/6/2018 12:53:52 PM



#24

1,1-Dichloroethane

Concen: 52.492 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

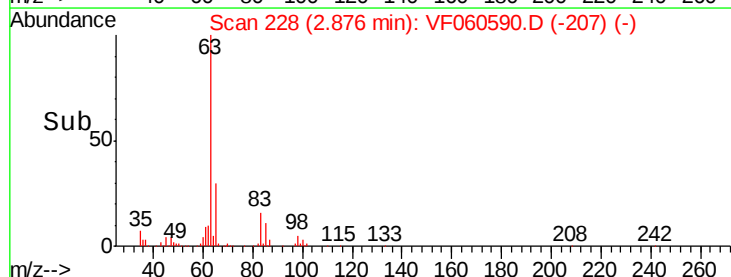
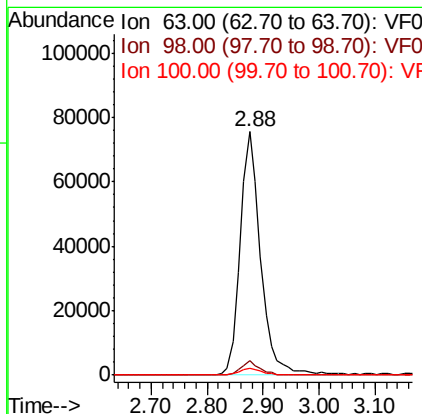
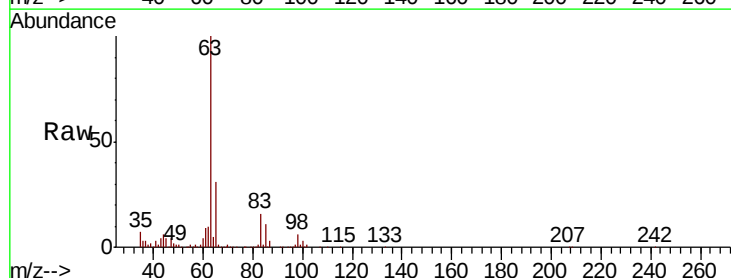
Tgt Ion: 63 Resp: 191488

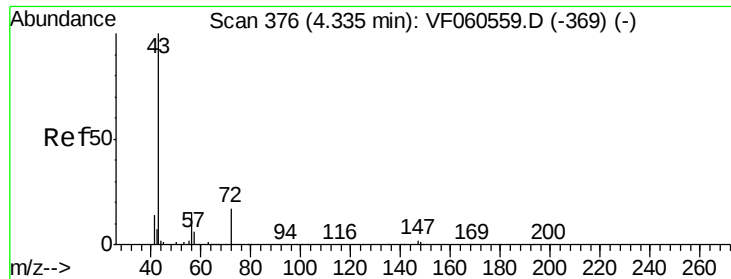
Ion Ratio Lower Upper

63 100

98 5.7 2.2 6.6

100 2.9 1.4 4.0





#25

2-Butanone

Concen: 235.468 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 266540

Ion Ratio Lower Upper

43 100

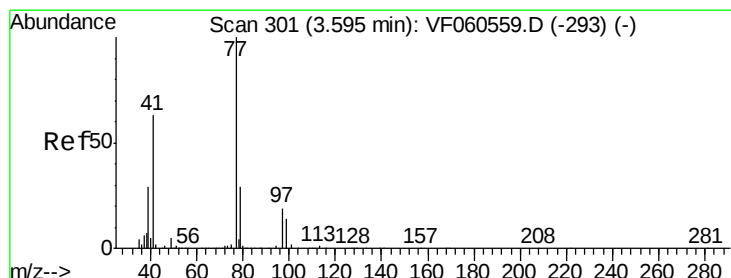
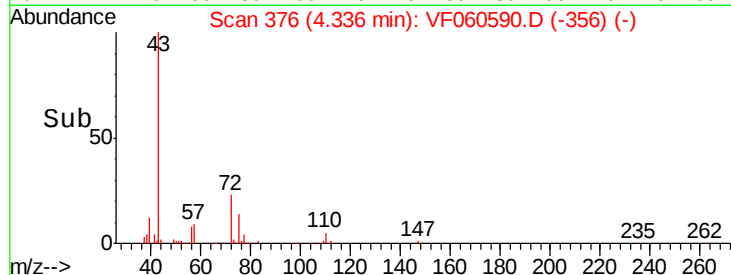
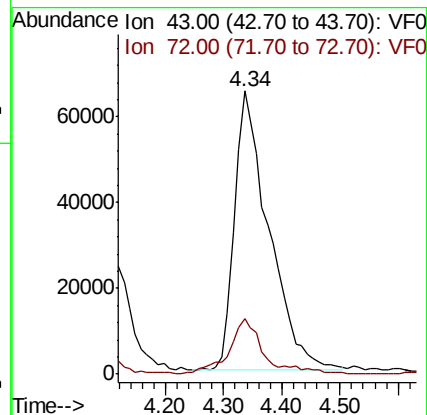
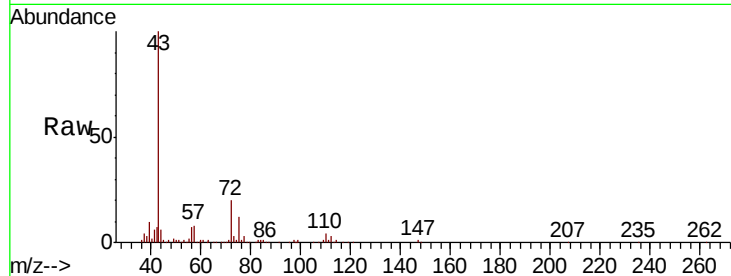
72 19.7 16.2 24.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.699 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF060590.D

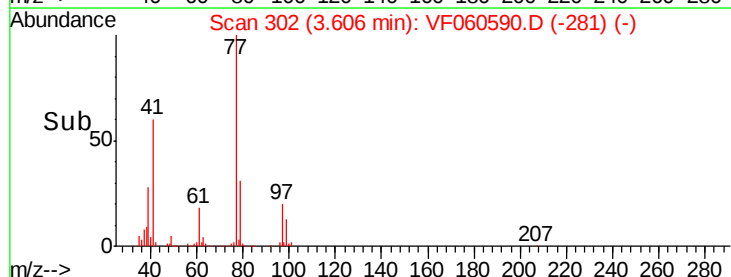
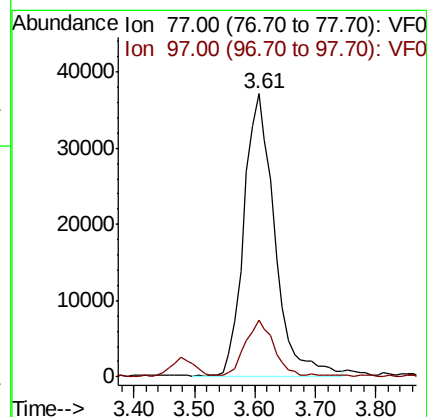
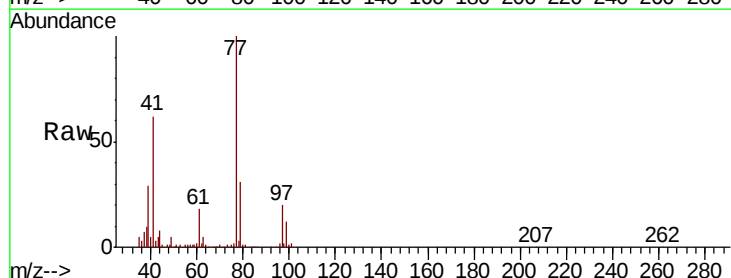
Acq: 6 Nov 2018 1:27

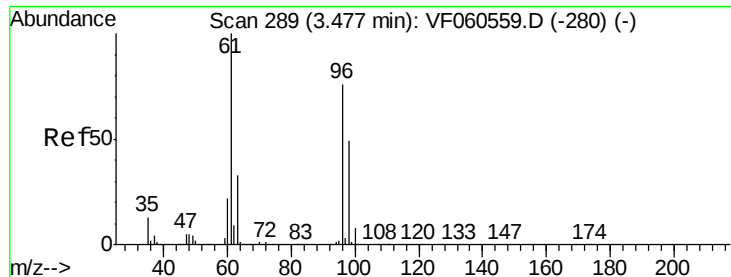
Tgt Ion: 77 Resp: 130199

Ion Ratio Lower Upper

77 100

97 19.9 9.8 29.3





#27

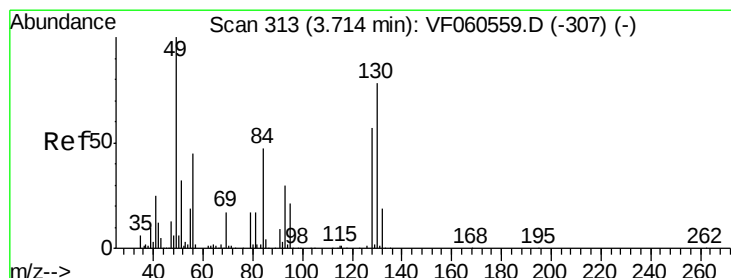
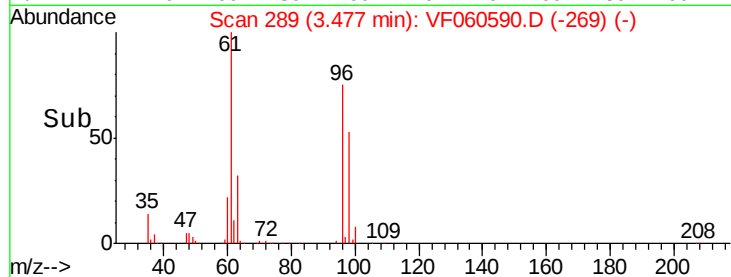
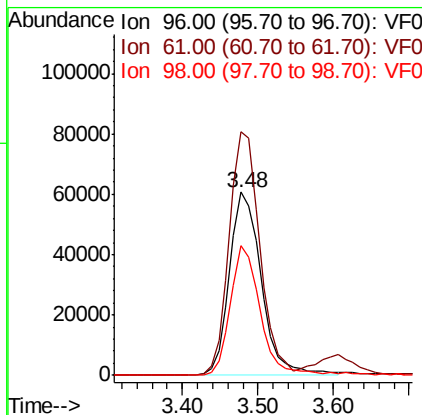
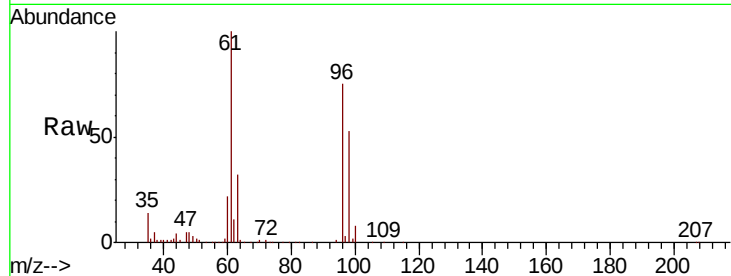
cis-1,2-Dichloroethene
 Concen: 48.601 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177347		
61	132.8	0.0	263.0	
98	70.6	0.0	130.6	

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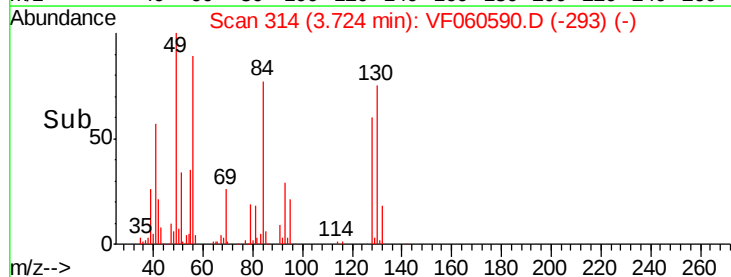
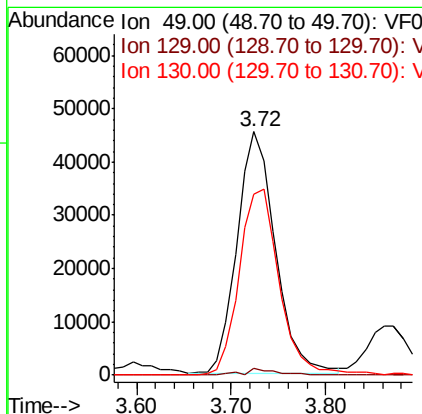
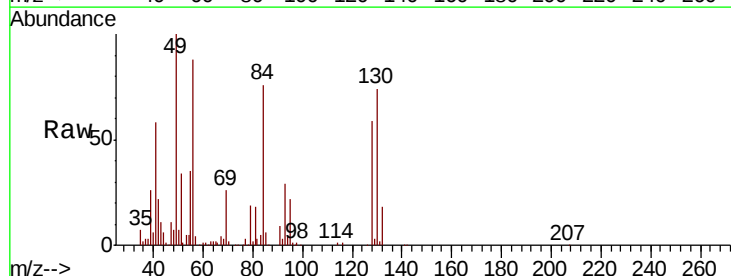
MMDadoda
 11/6/2018 12:53:52 PM

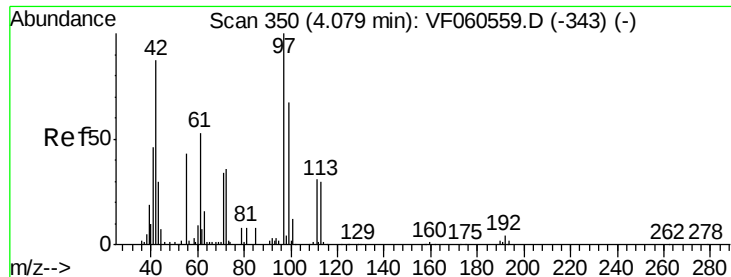


#28

Bromochloromethane
 Concen: 55.460 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	126965		
129	2.5	0.0	4.6	
130	74.3	61.8	92.8	





#29

Tetrahydrofuran

Concen: 272.396 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

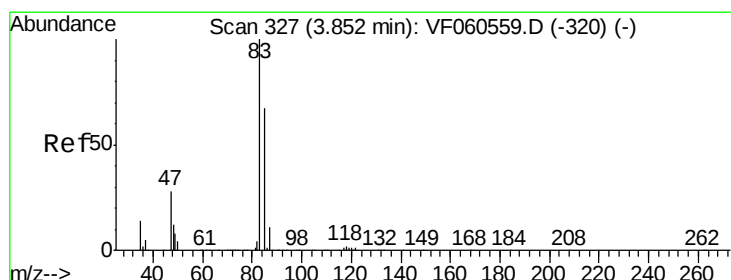
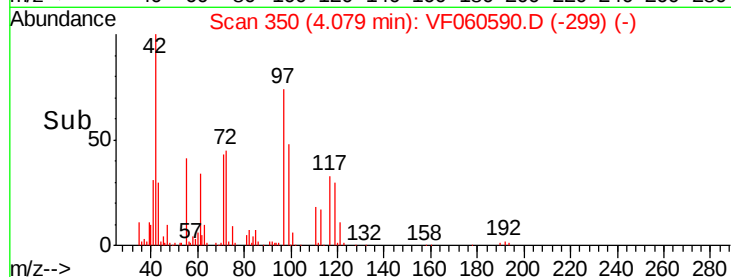
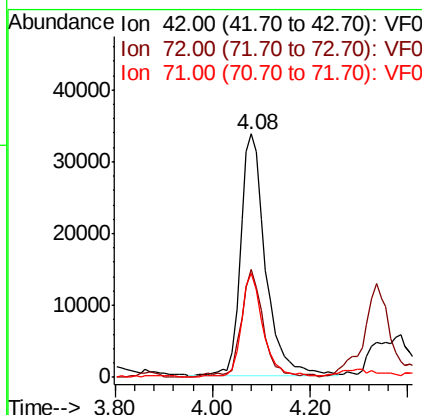
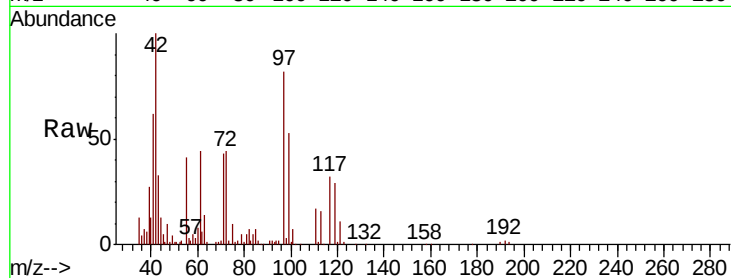
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	119908
Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.4	47.0
71	37.9	31.8	47.6

Manual Integrations
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#30

Chloroform

Concen: 51.546 ug/l

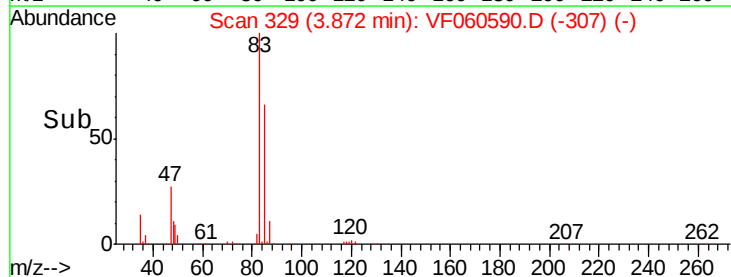
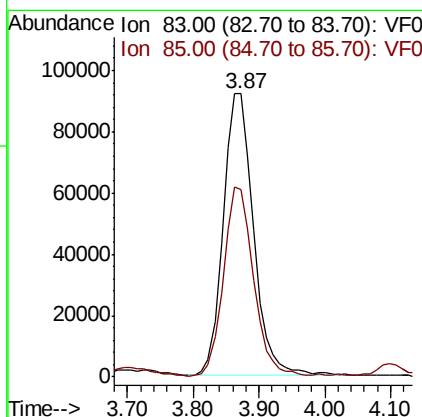
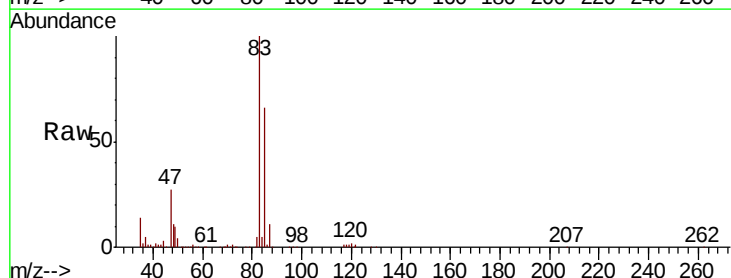
RT: 3.87 min Scan# 329

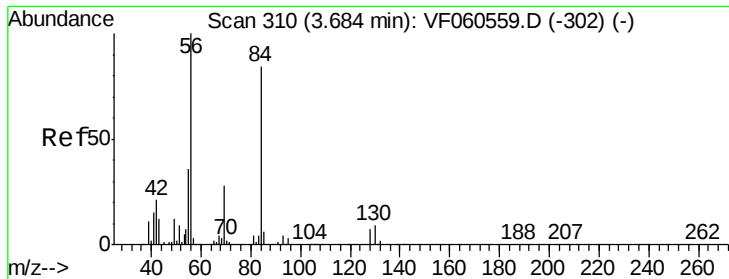
Delta R.T. 0.02 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion:	83	Resp:	297490
Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.7	80.5





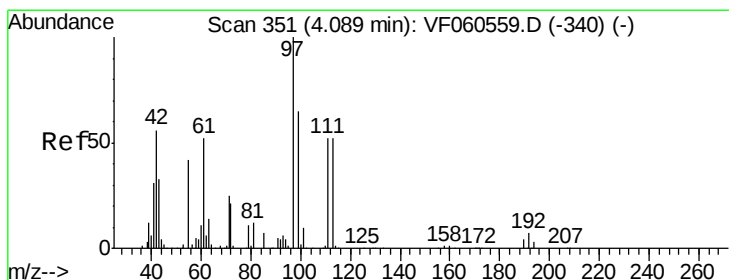
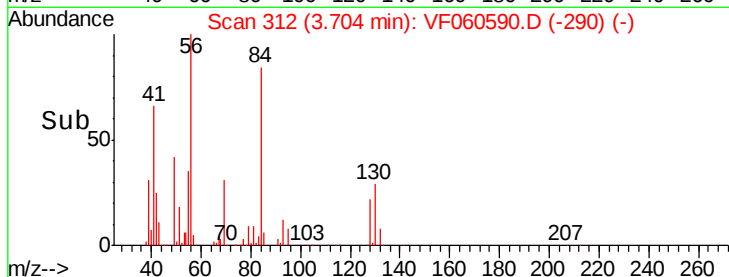
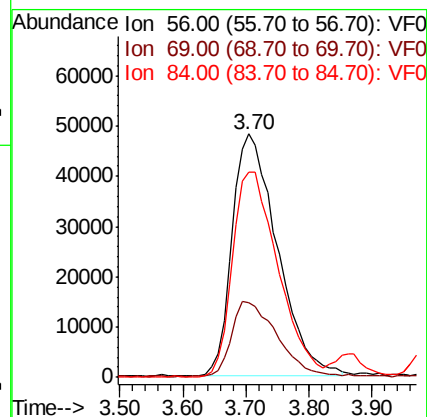
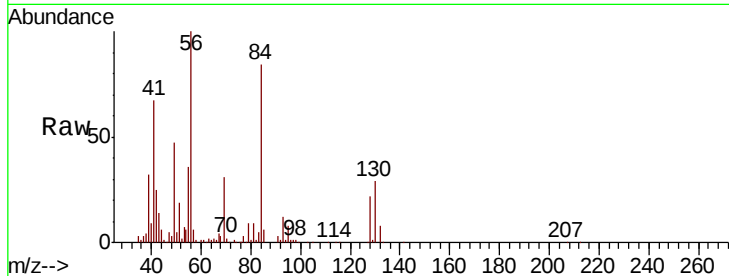
#31
Cyclohexane
Concen: 47.787 ug/l
RT: 3.70 min Scan# 312
Delta R.T. 0.02 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.0	34.4
84	84.3	67.1	100.7

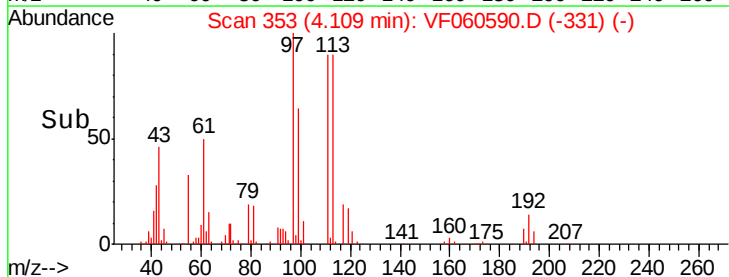
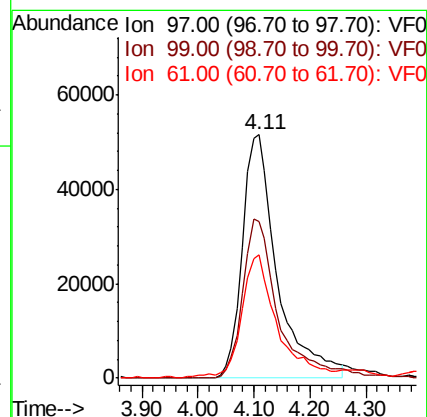
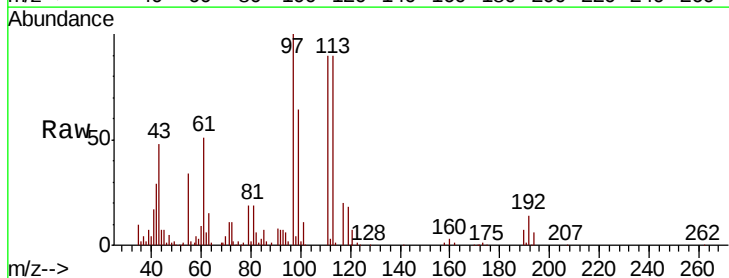
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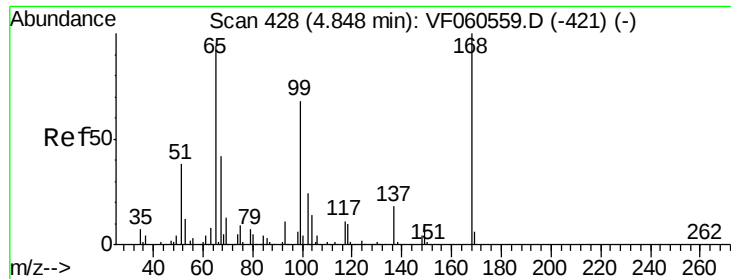
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11/6/2018 12:53:52 PM



#32
1,1,1-Trichloroethane
Concen: 55.350 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	50.6	41.5	62.3





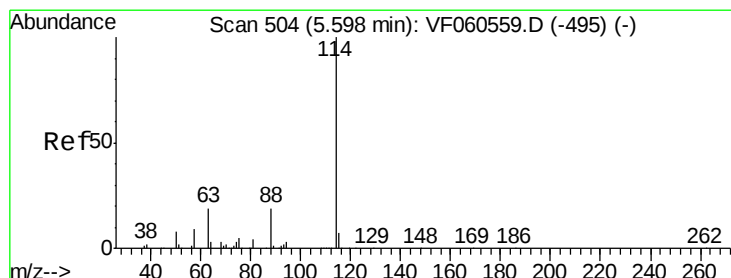
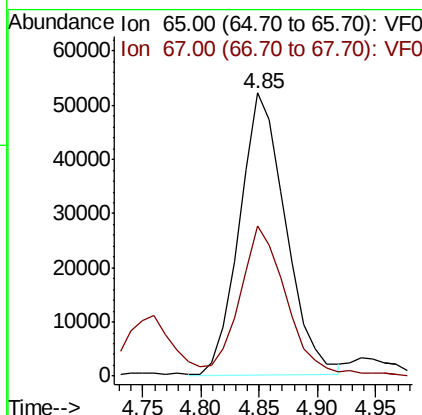
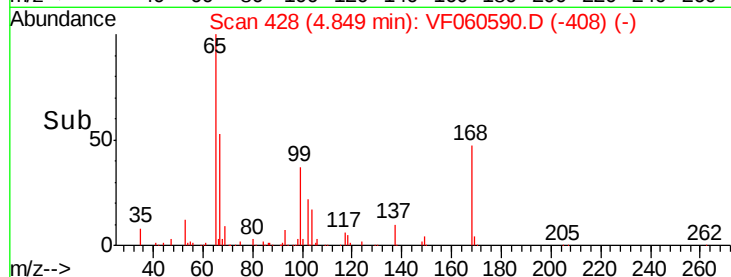
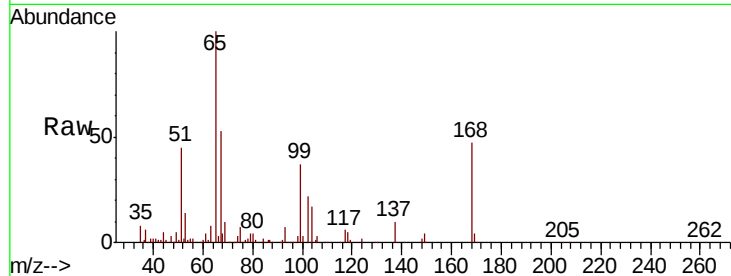
#33
 1,2-Dichloroethane-d4
 Concen: 56.670 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	101.8

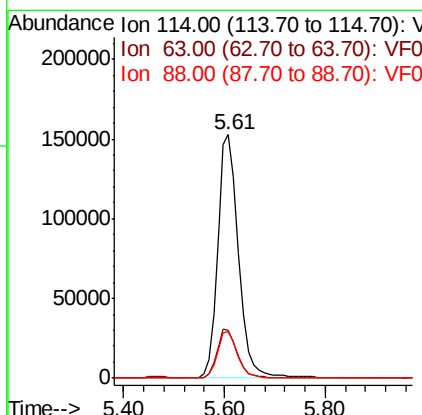
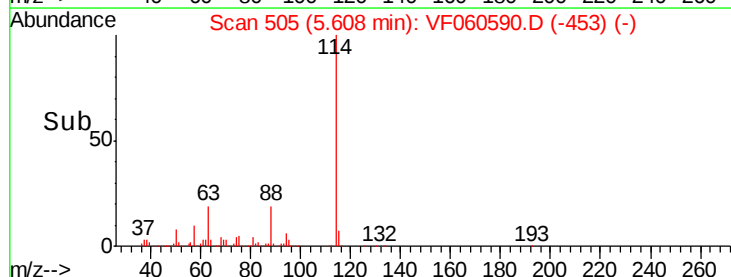
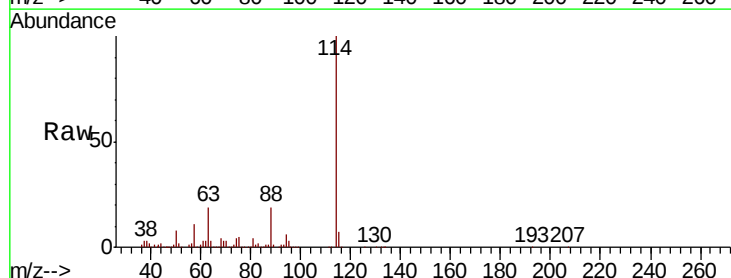
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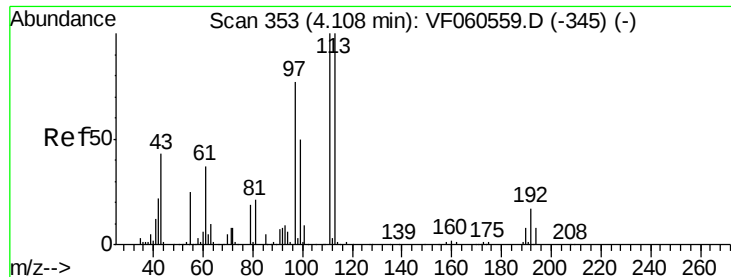
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 11/6/2018 12:53:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.0
88	18.9	0.0	38.2





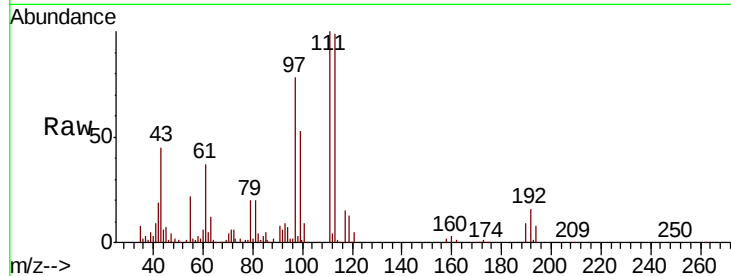
#35
 Dibromofluoromethane
 Concen: 52.586 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	79.9	119.9
192	16.1	13.3	19.9

Manual Integrations
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 11/6/2018 12:53:52 PM

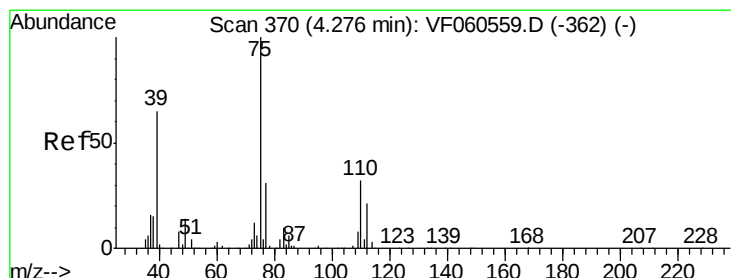
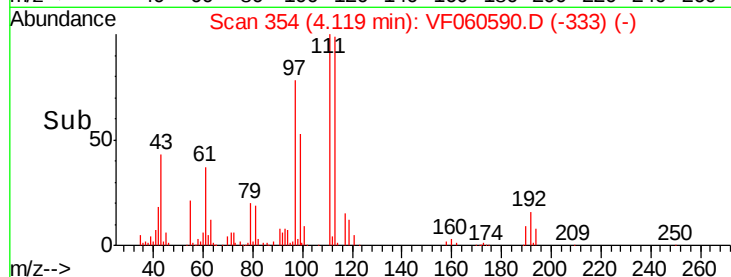
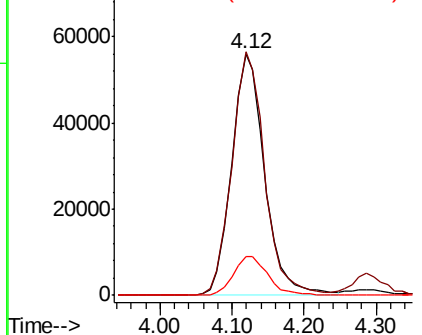


Abundance

Ion 113.00 (112.70 to 113.70): V

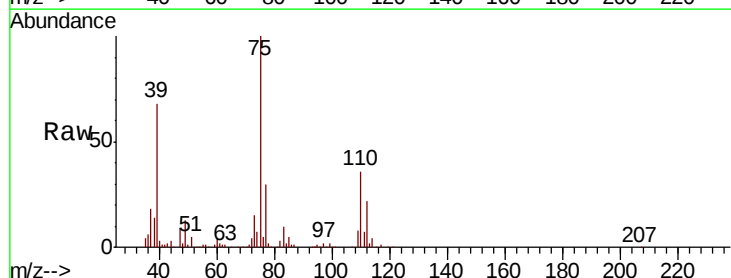
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 46.505 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	16.2	48.6
77	30.4	25.0	37.6

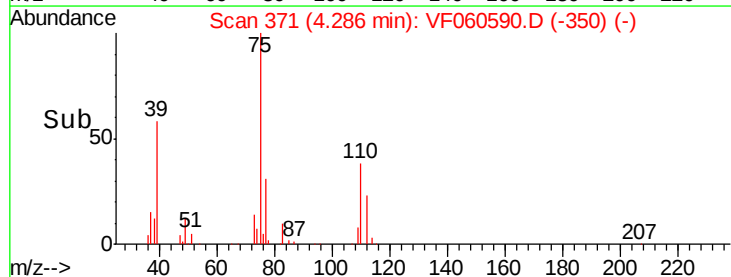
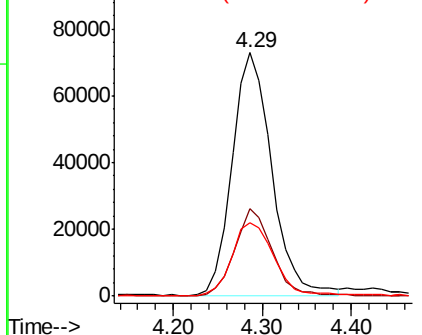


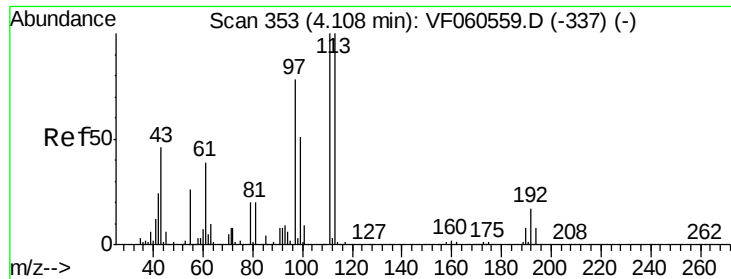
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





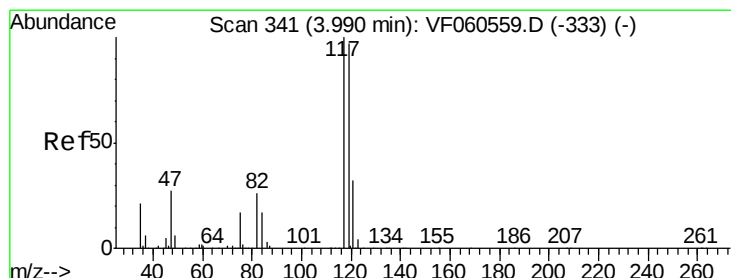
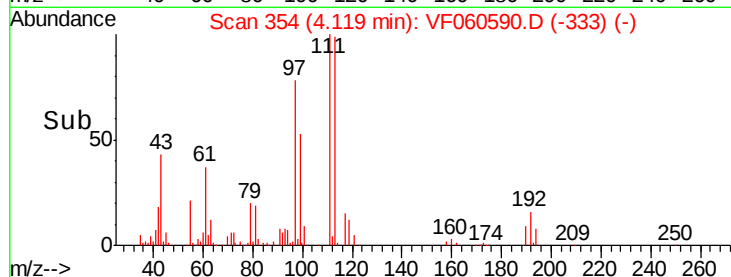
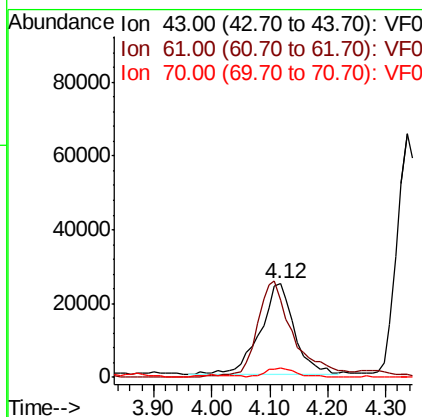
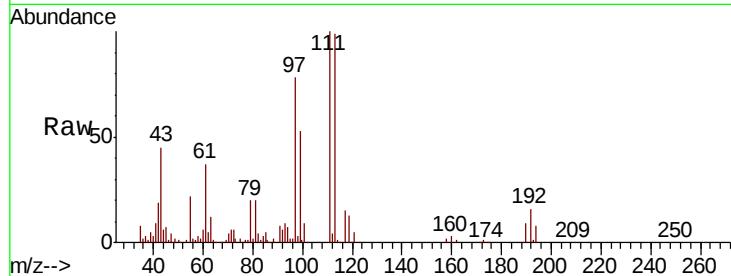
#37
Ethyl Acetate
Concen: 43.307 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	83.1	63.4	95.2
70	9.9	9.3	13.9

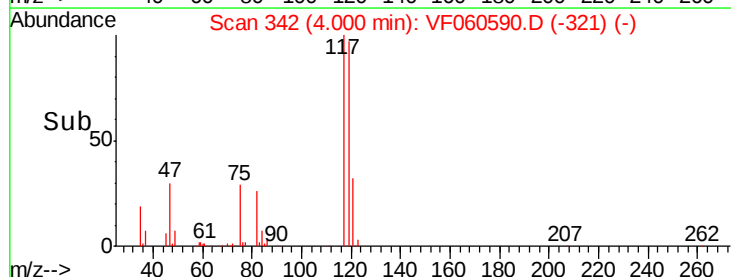
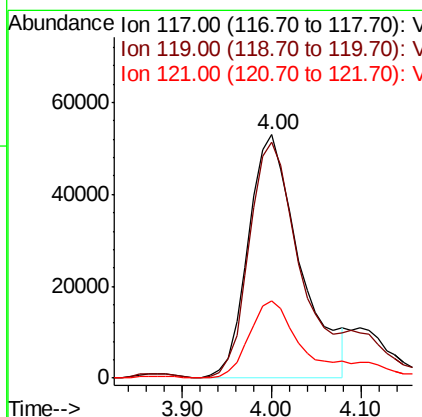
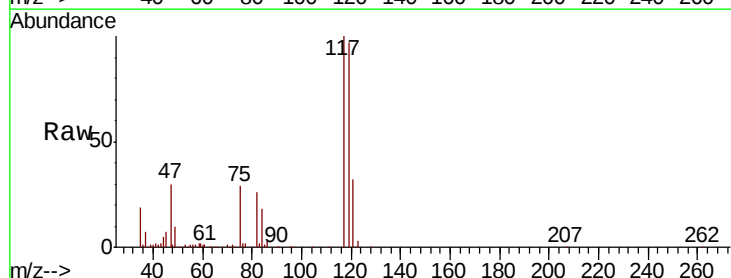
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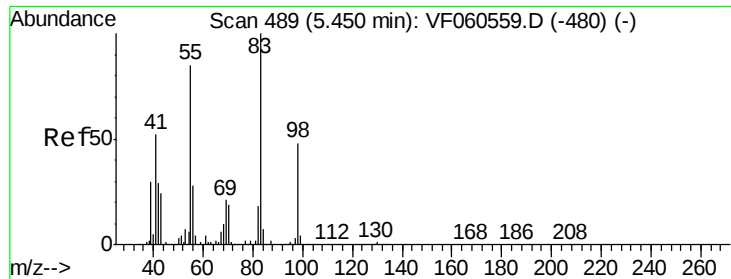
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.211 ug/l m
RT: 4.00 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
121	31.9	25.6	38.4





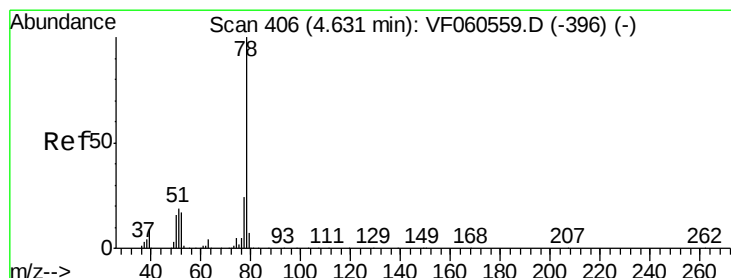
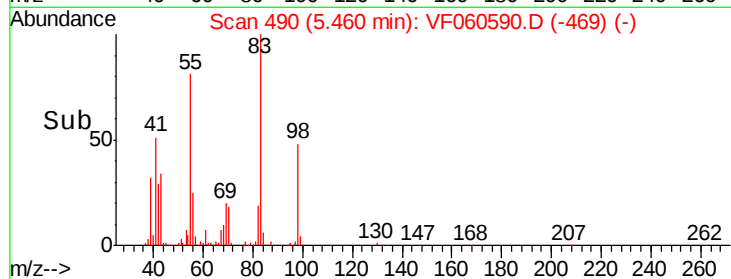
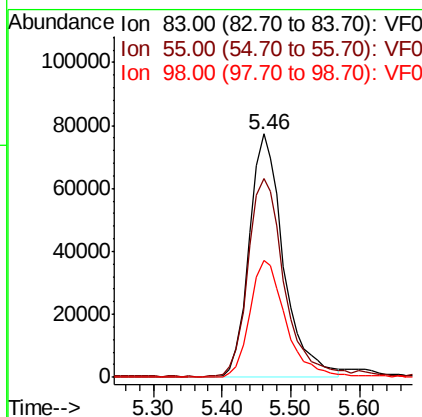
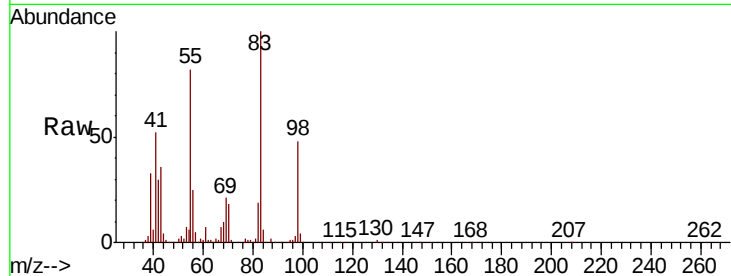
#39
Methvlcvclohexane
Concen: 45.583 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	69.1	103.7
98	47.8	38.6	57.8

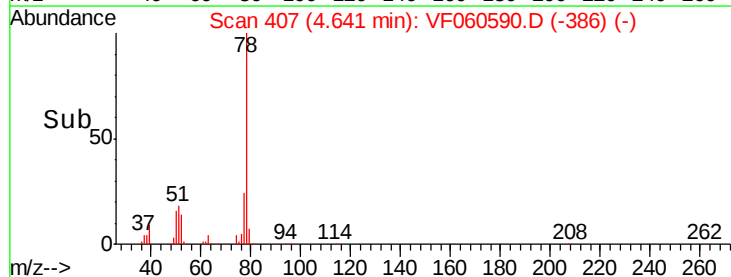
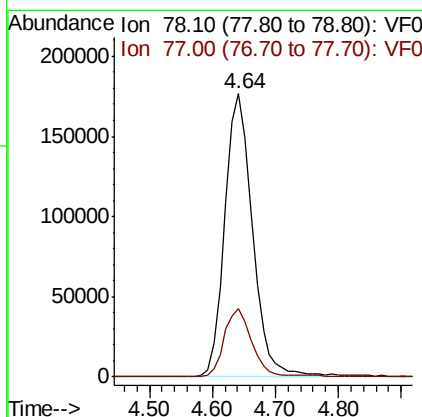
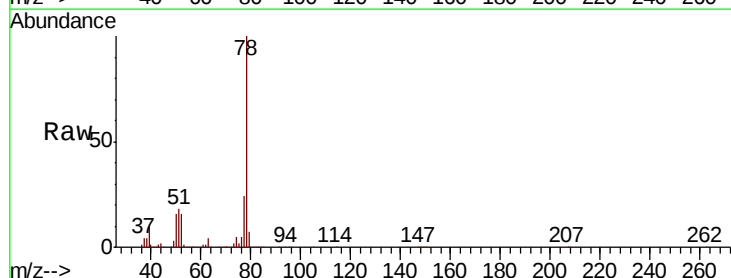
Manual Integrations
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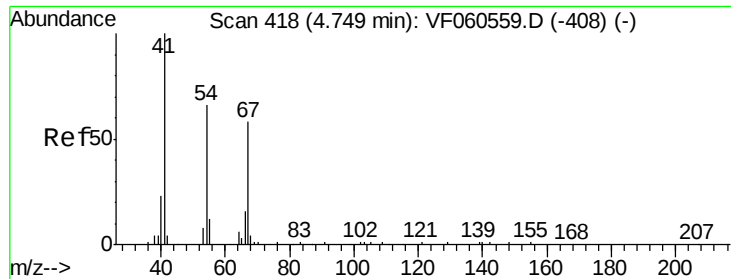
MMDadoda
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#40
Benzene
Concen: 45.893 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





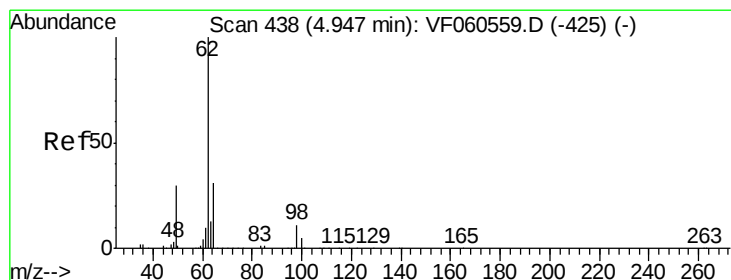
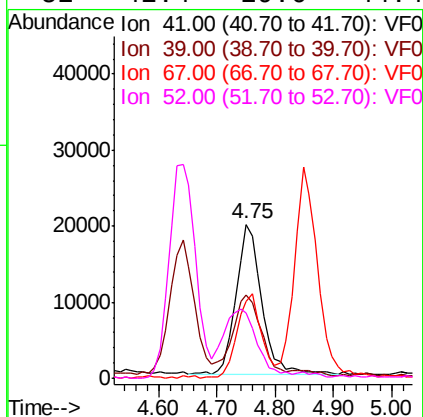
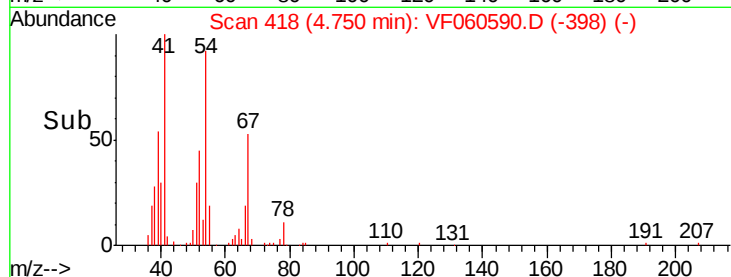
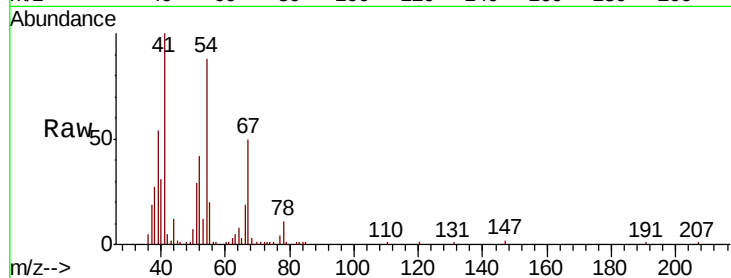
#41
Methacrylonitrile
Concen: 46.587 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	54.2	45.6	68.4
67	67	50.2	45.3	67.9
52	52	42.4	29.6	44.4

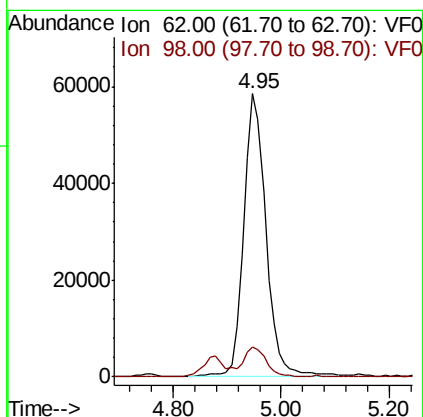
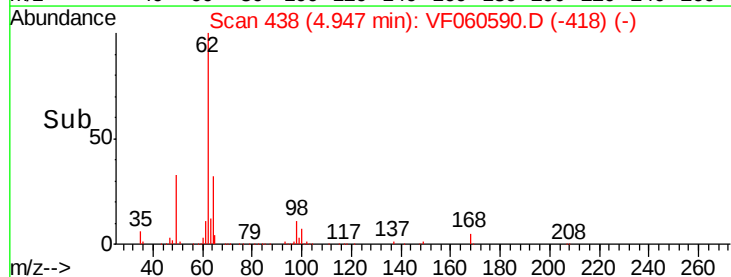
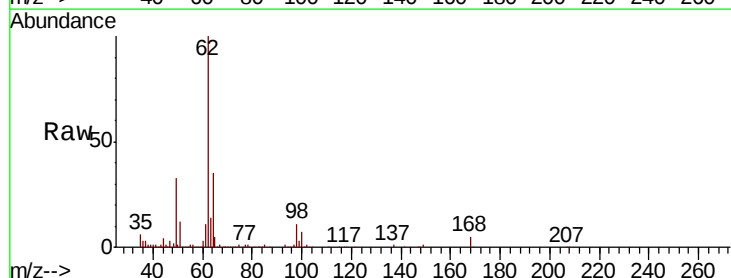
Manual Integrations
APPROVED

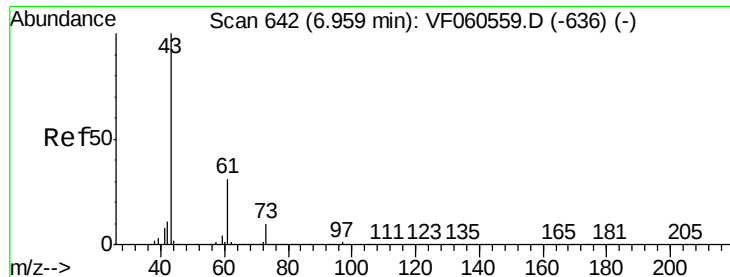
MMDadoda
11/6/2018 12:53:52 PM



#42
1,2-Dichloroethane
Concen: 49.762 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	10.5	0.0	22.4





#43

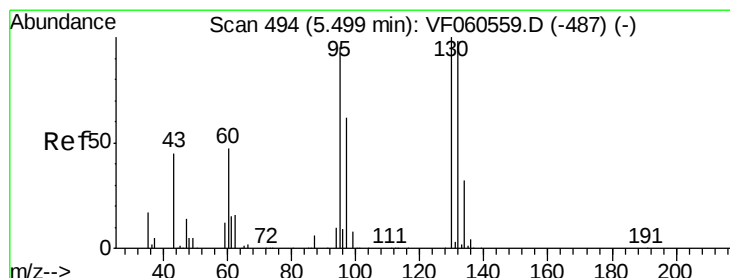
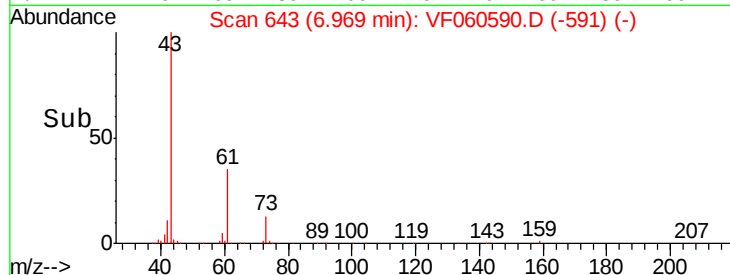
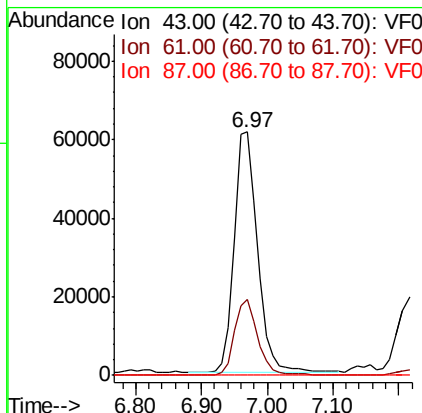
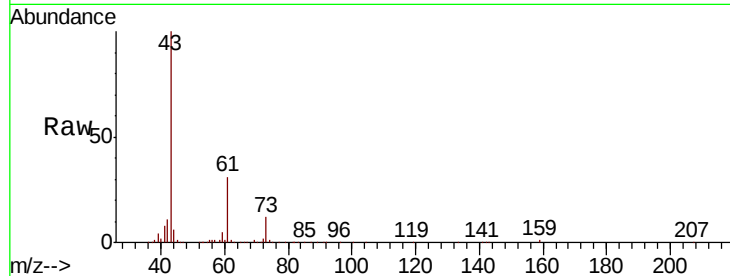
Isopropyl Acetate
 Concen: 52.494 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.2	36.2
87	0.4	0.2	0.4

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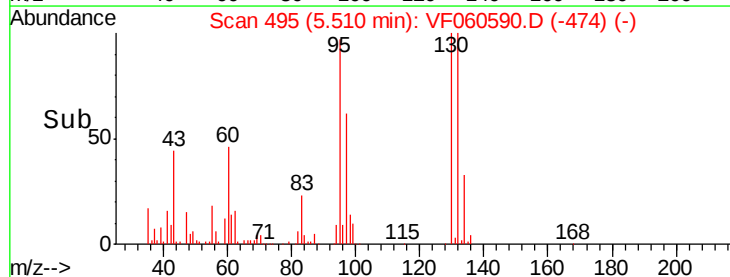
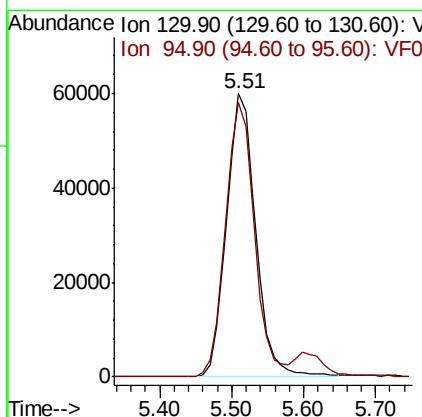
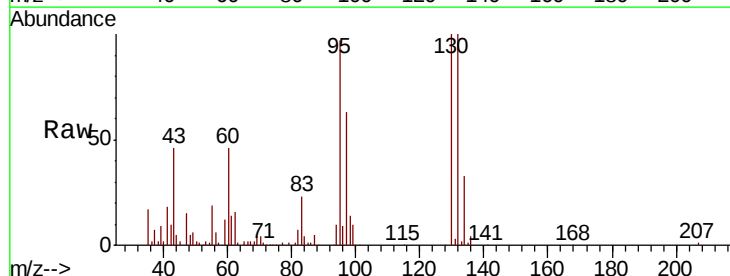
MMDadoda
 11/6/2018 12:53:52 PM

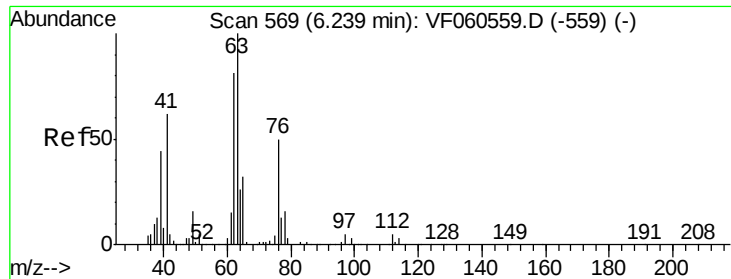


#44

Trichloroethene
 Concen: 47.666 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	191.0





#45

1,2-Dichloropropane

Concen: 52.149 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 157078

Ion Ratio Lower Upper

63 100

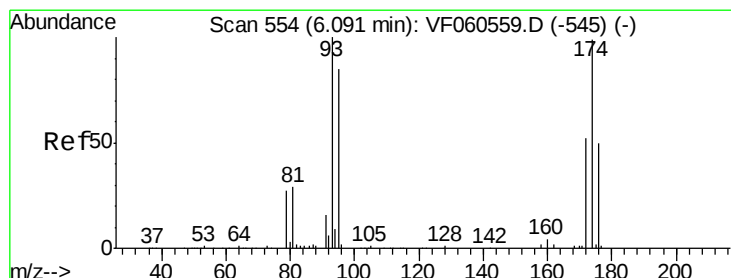
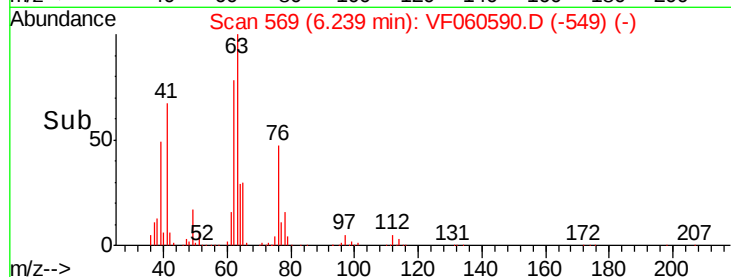
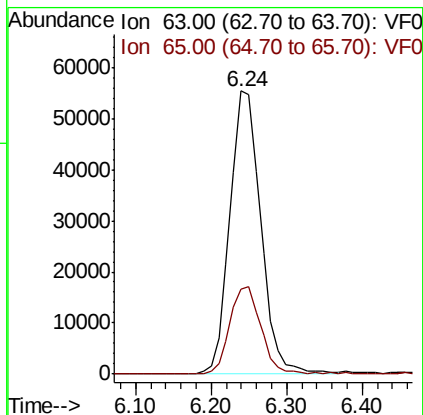
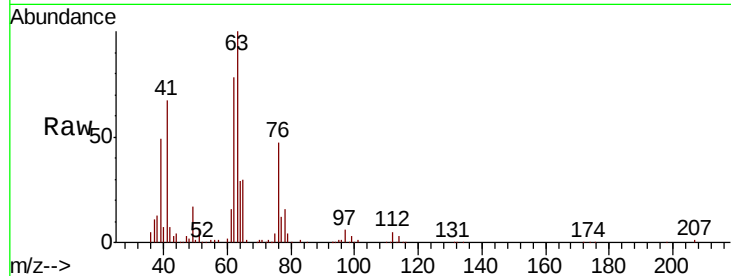
65 29.9 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 52.529 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

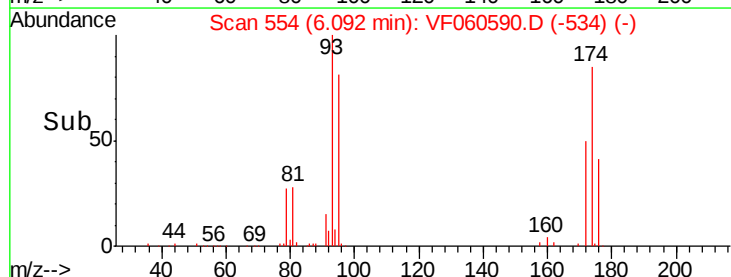
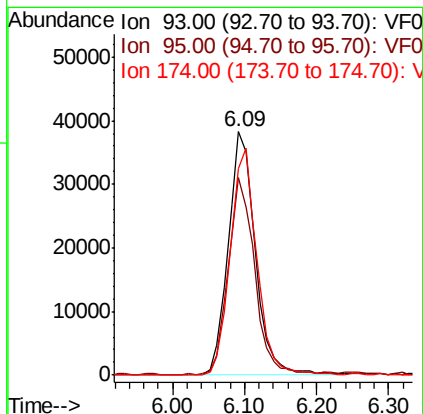
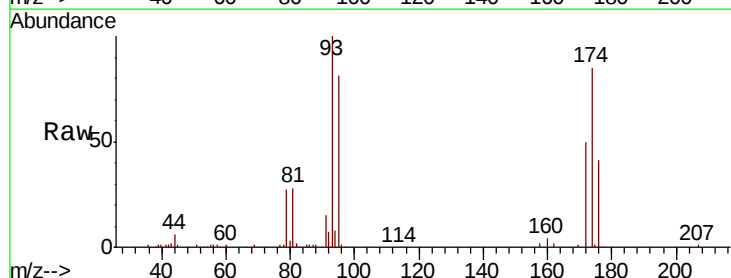
Tgt Ion: 93 Resp: 100379

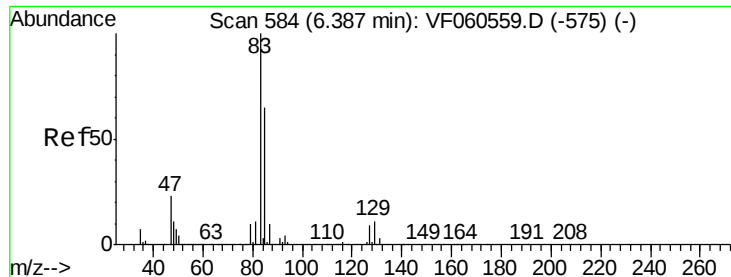
Ion Ratio Lower Upper

93 100

95 81.3 68.6 102.8

174 84.9 79.0 118.4





#47

Bromodichloromethane

Concen: 51.807 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

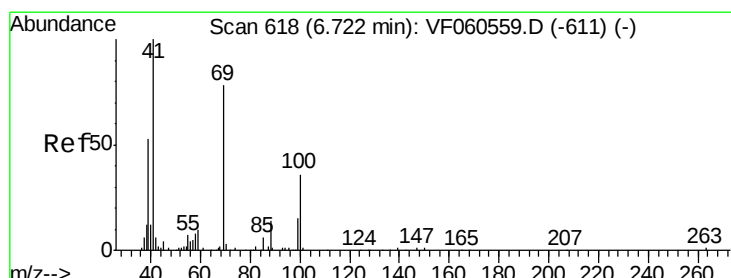
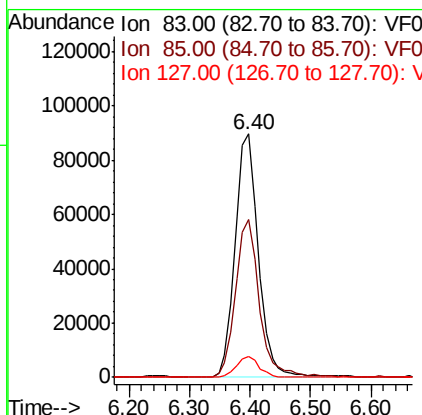
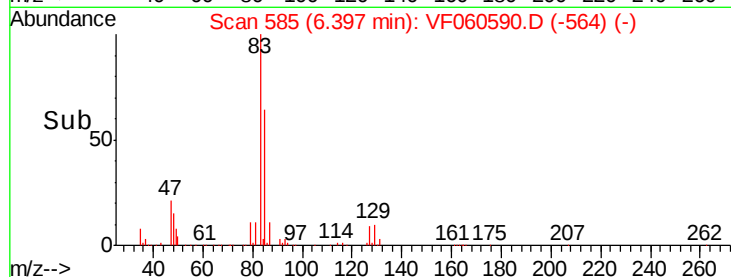
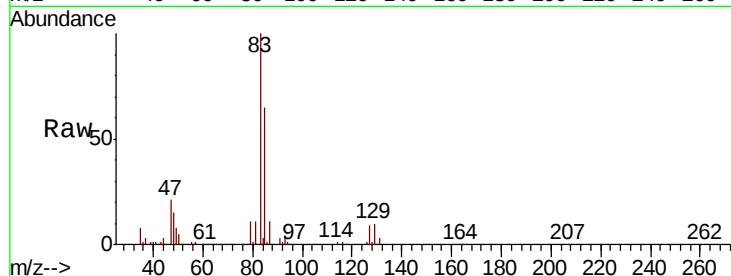
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	238786
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.8	77.6
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.100 ug/l

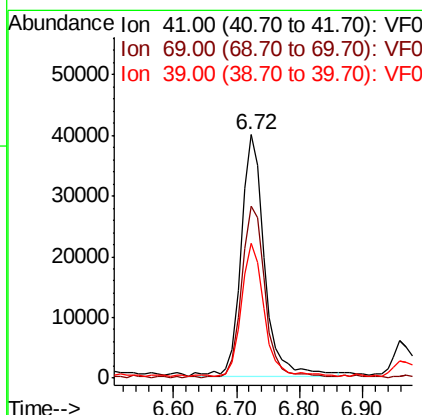
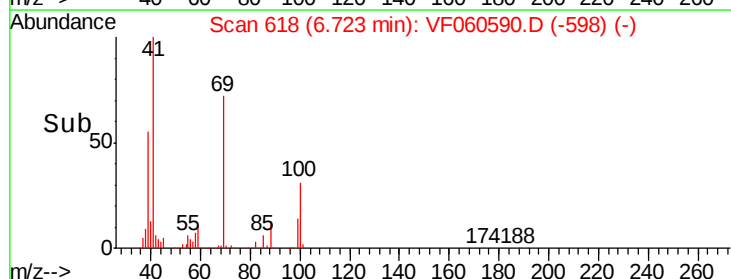
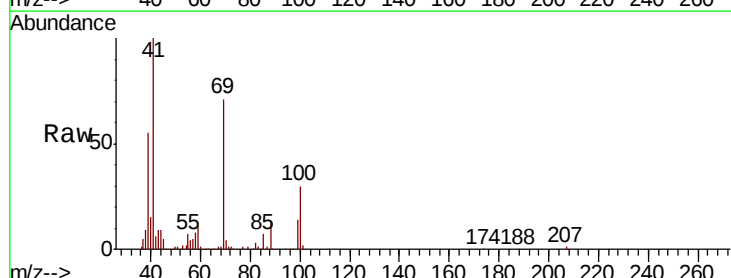
RT: 6.72 min Scan# 618

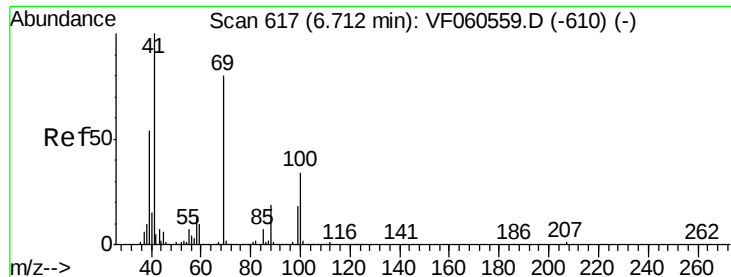
Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion:	41	Resp:	102024
Ion Ratio	Lower	Upper	
41	100		
69	70.8	61.1	91.7
39	55.2	43.0	64.6





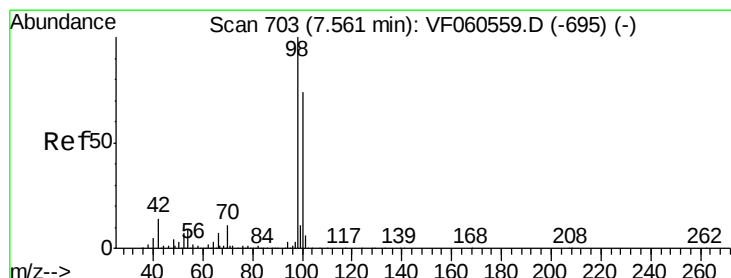
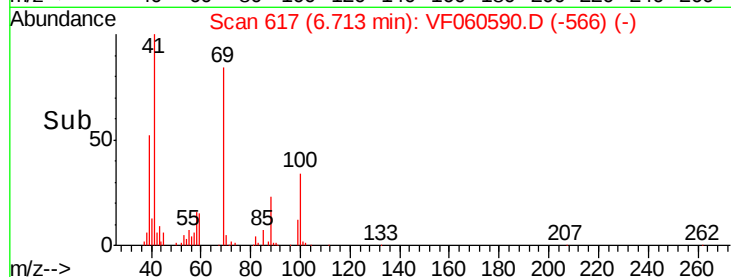
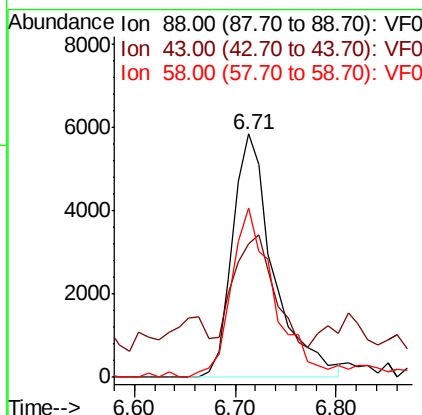
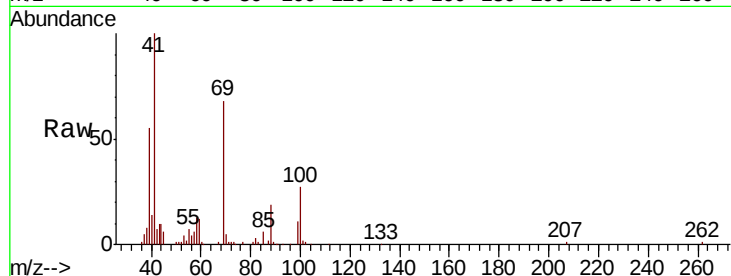
#49
1,4-Dioxane
Concen: 851.021 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	54.6	61.2	91.8#
58	69.6	56.9	85.3

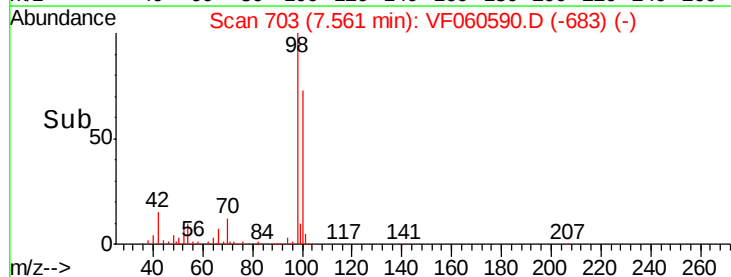
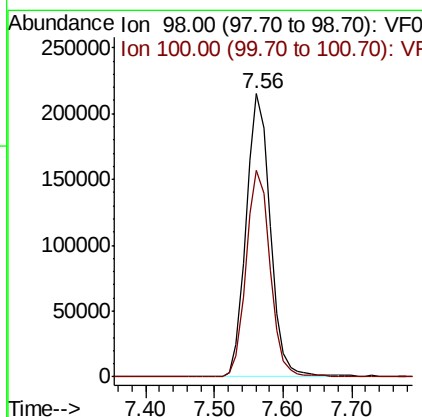
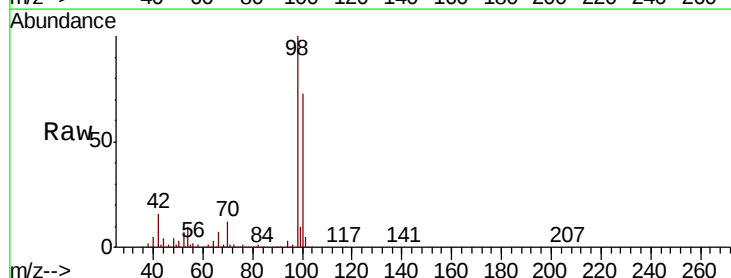
Manual Integrations
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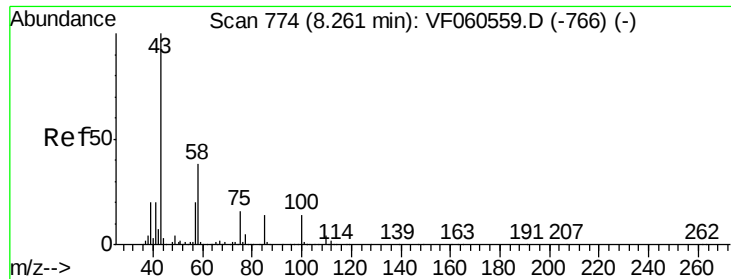
MMDadoda
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#50
Toluene-d8
Concen: 51.954 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.9	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 253.896 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 503015

Ion Ratio Lower Upper

43 100

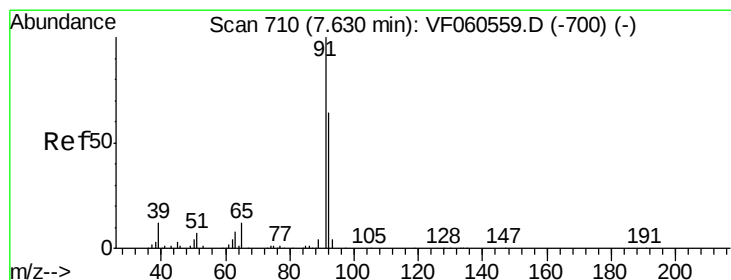
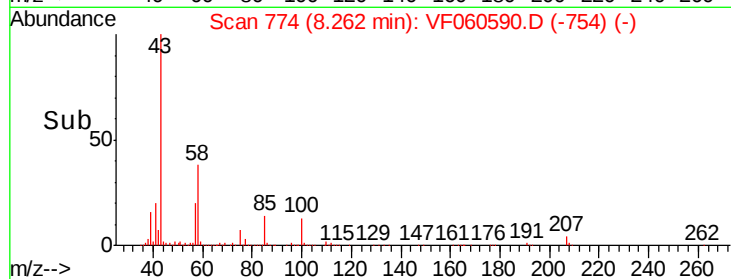
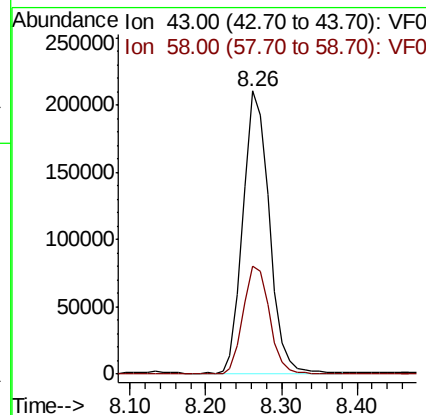
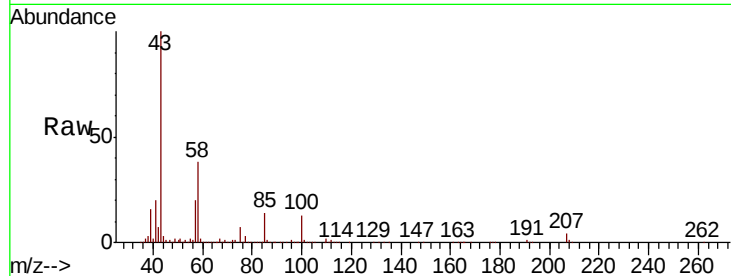
58 38.0 30.1 45.1

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#52

Toluene

Concen: 48.209 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060590.D

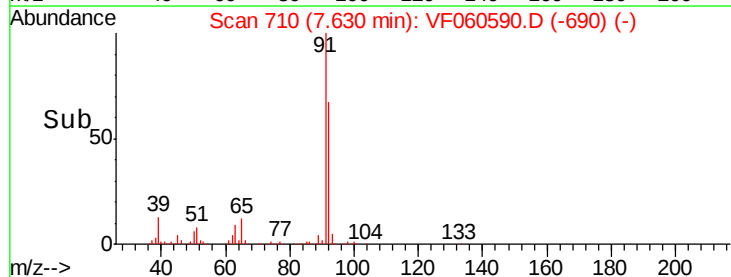
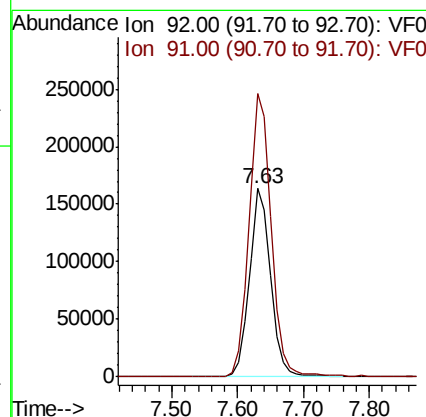
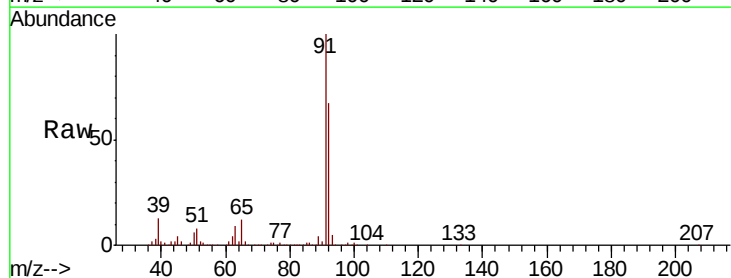
Acq: 6 Nov 2018 1:27

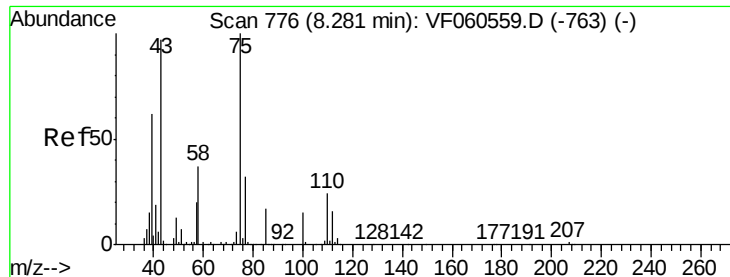
Tgt Ion: 92 Resp: 369857

Ion Ratio Lower Upper

92 100

91 150.1 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 48.234 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tot Ion: 75 Resp: 193223

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

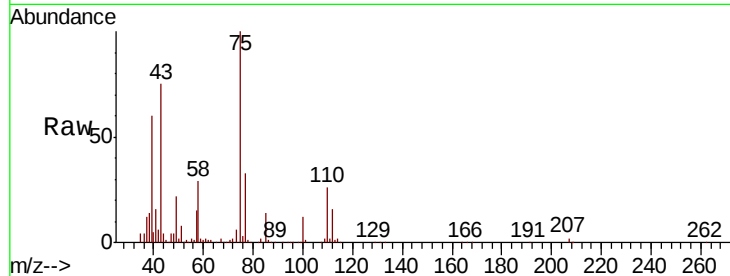
VSTDCCC050

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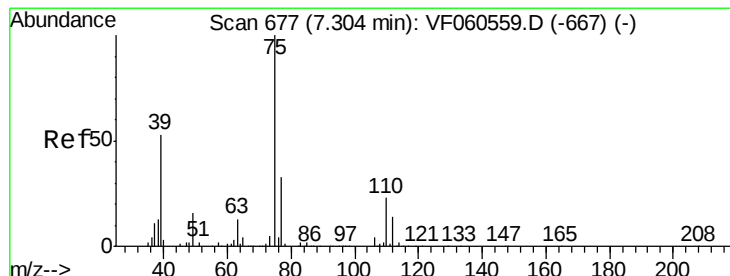
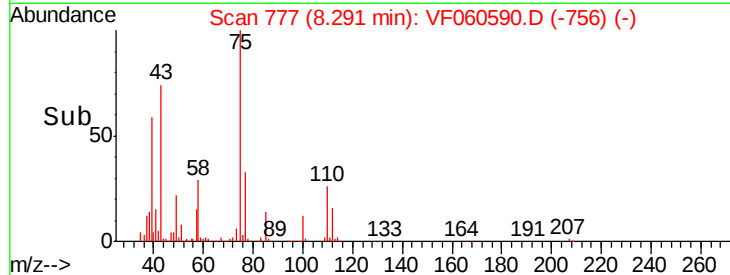
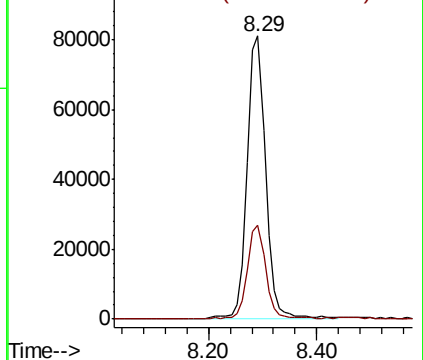
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 53.125 ug/l

RT: 7.31 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

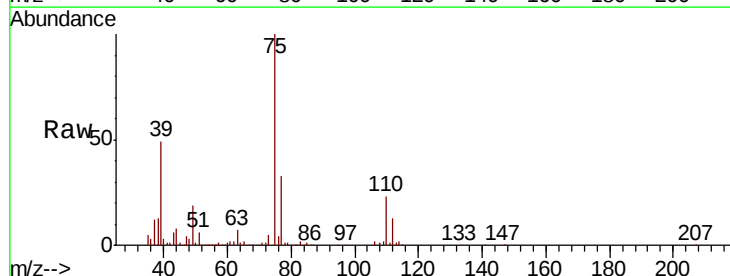
Tgt Ion: 75 Resp: 268885

Ion Ratio Lower Upper

75 100

77 32.6 26.7 40.1

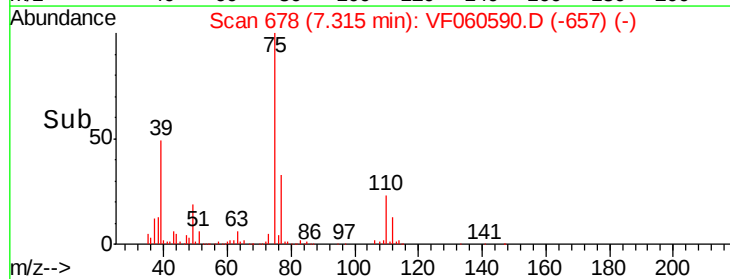
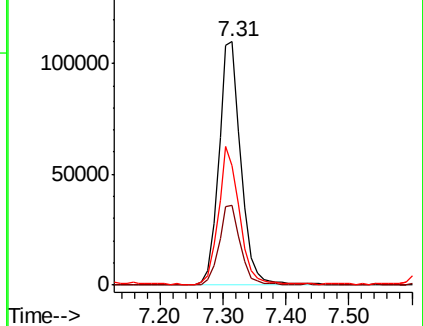
39 48.9 43.0 64.4

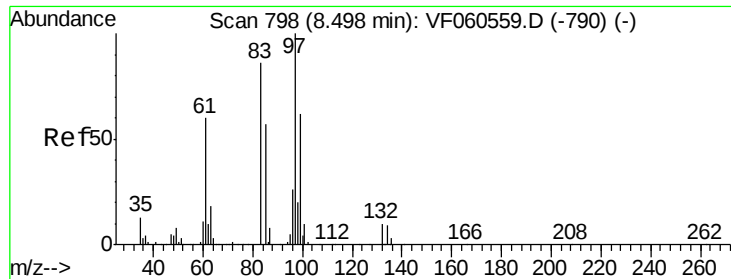


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 49.266 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

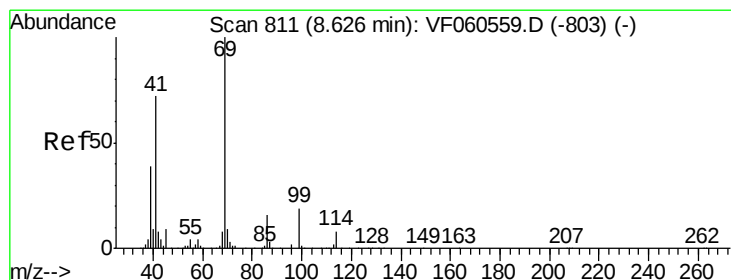
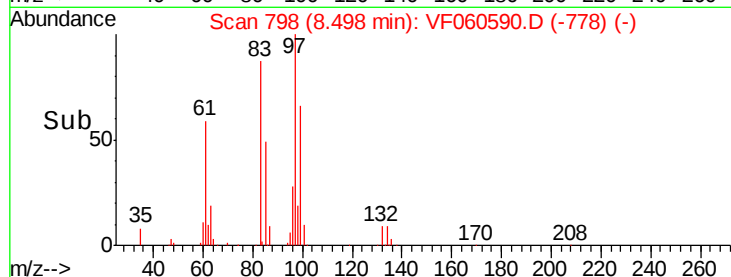
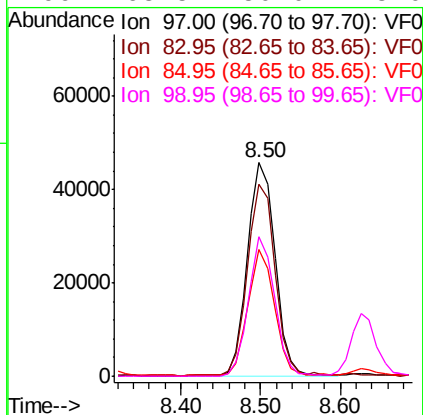
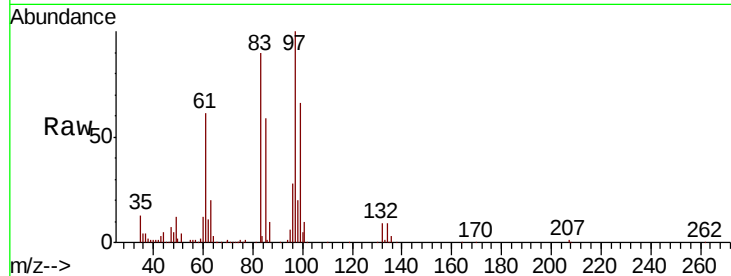
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	109986		
83	90.1	69.4	104.0	
85	59.3	46.6	69.8	
99	65.5	50.0	75.0	

Manual Integrations
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#56

Ethyl methacrylate

Concen: 54.367 ug/l

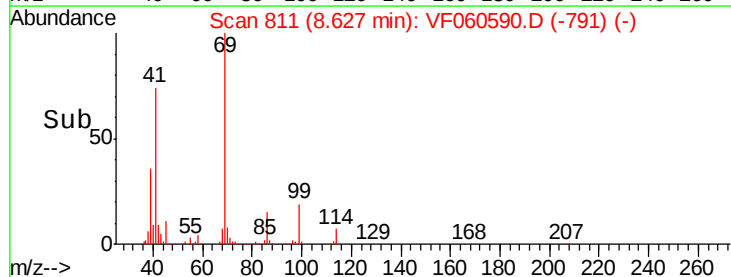
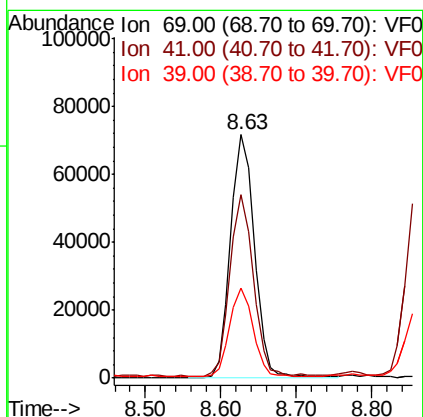
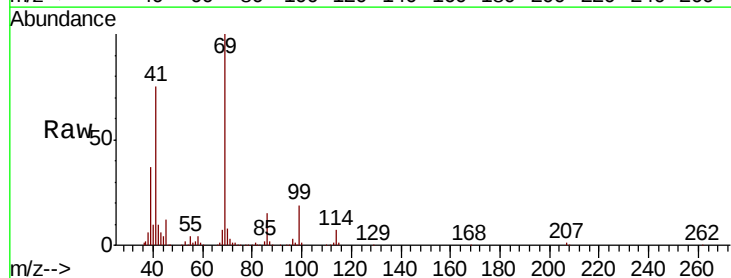
RT: 8.63 min Scan# 811

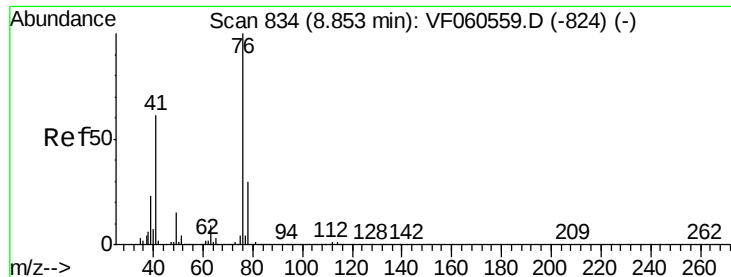
Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	156161		
41	75.3	59.2	88.8	
39	36.9	32.3	48.5	





#57

1,3-Dichloropropane

Concen: 51.245 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200739

Ion Ratio Lower Upper

76 100

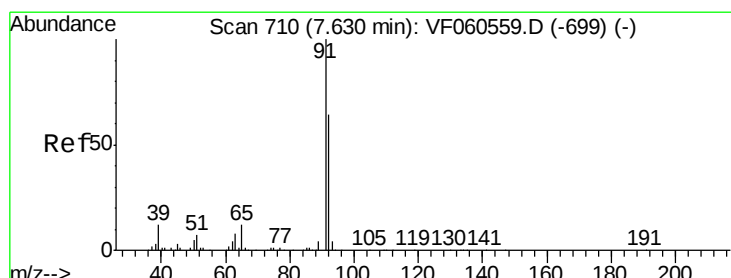
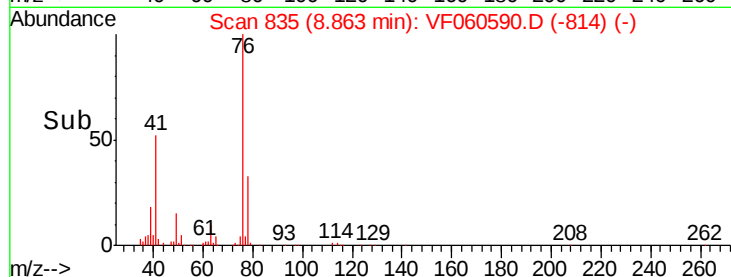
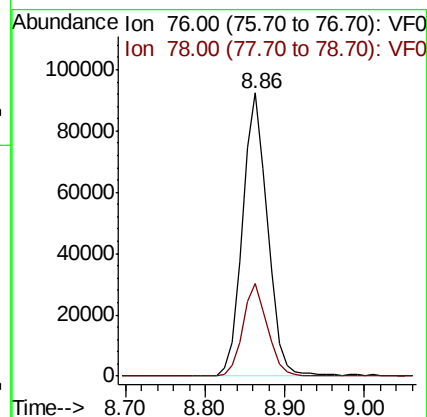
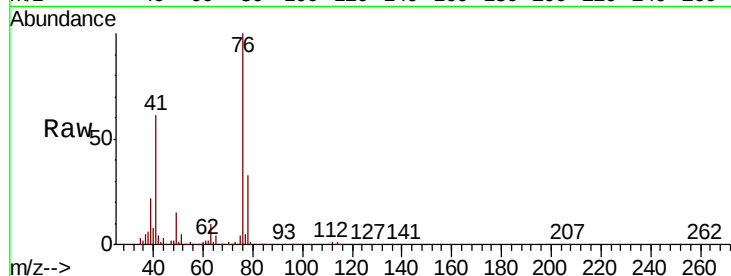
78 32.7 24.2 36.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 268.437 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060590.D

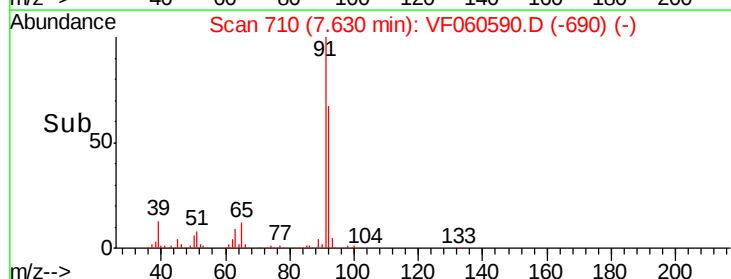
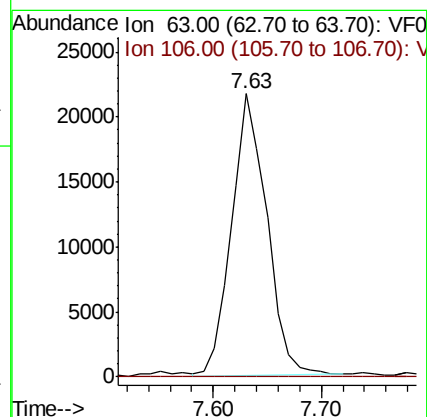
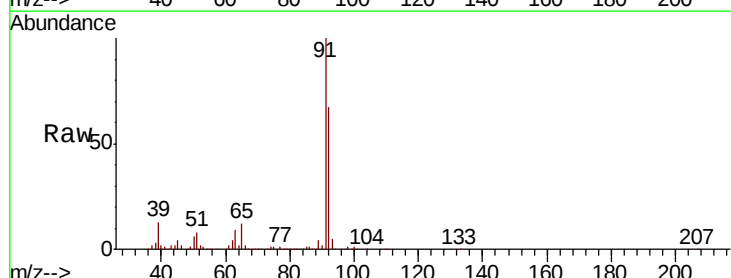
Acq: 6 Nov 2018 1:27

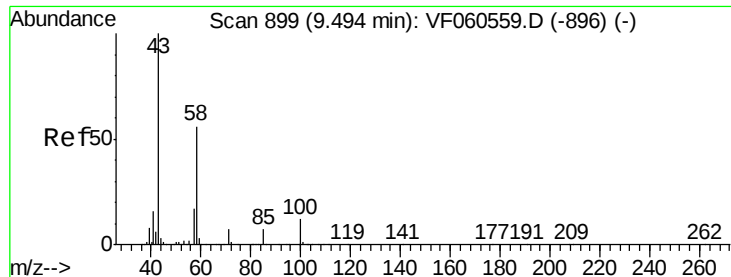
Tgt Ion: 63 Resp: 49037

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





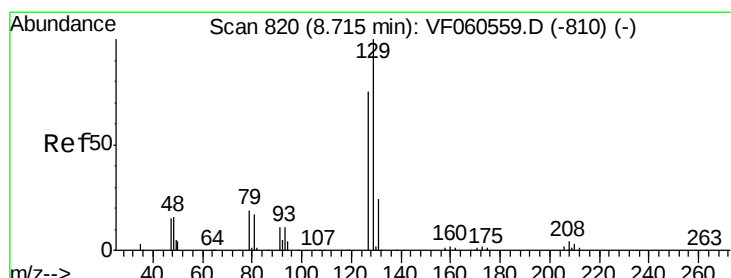
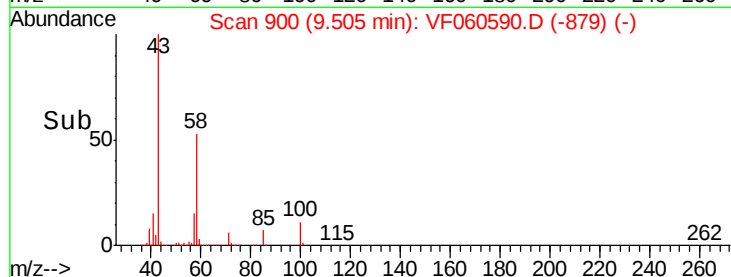
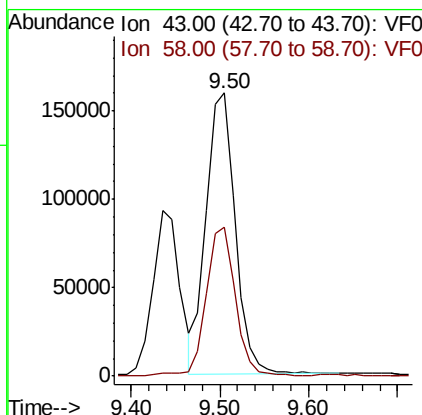
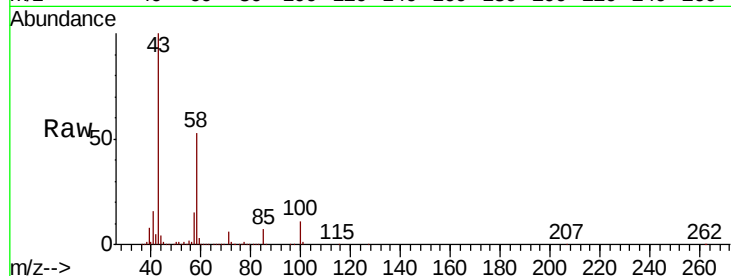
#59
2-Hexanone
Concen: 279.973 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 363254
Ion Ratio Lower Upper
43 100
58 52.5 26.1 78.3

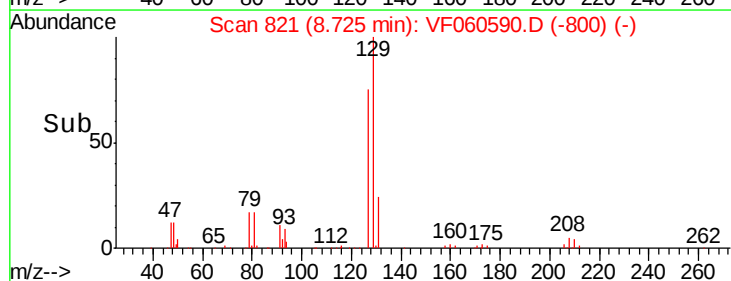
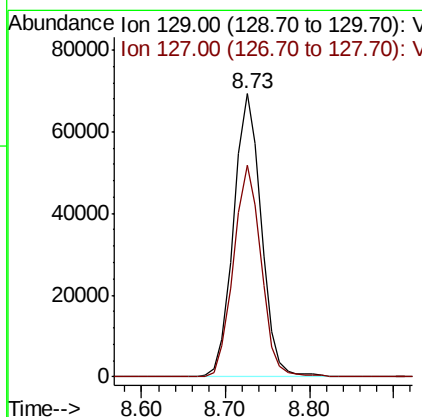
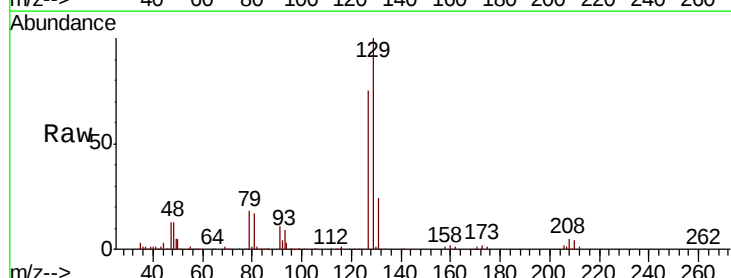
Manual Integrations
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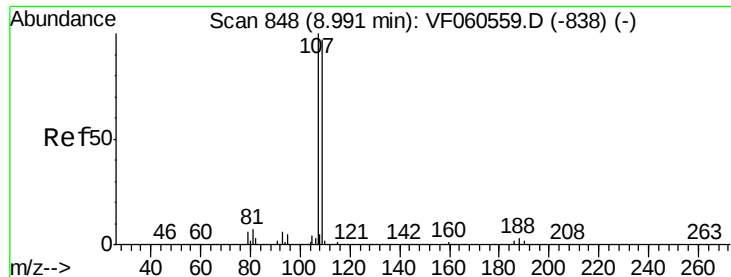
MMDadoda
11/6/2018 12:53:52 PM



#60
Dibromochloromethane
Concen: 50.992 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion: 129 Resp: 159210
Ion Ratio Lower Upper
129 100
127 74.7 37.8 113.3





#61

1,2-Dibromoethane

Concen: 52.488 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 123227

Ion Ratio Lower Upper

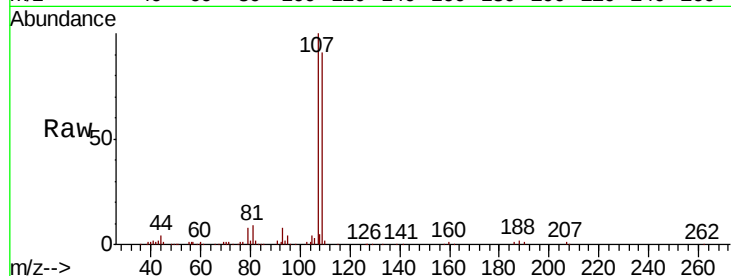
107 100

109 91.4 77.5 116.3

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

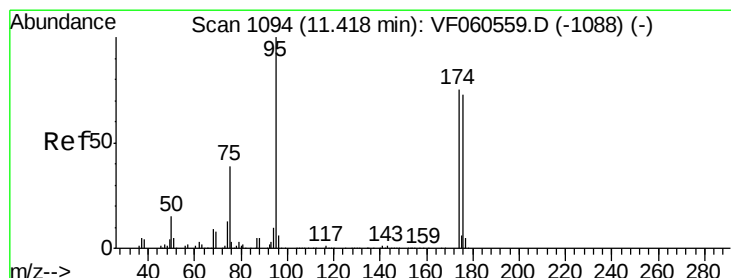
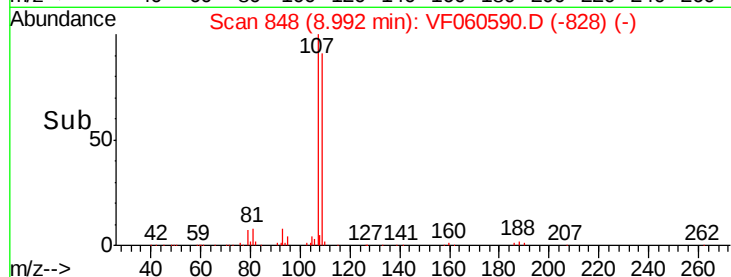
20000

10000

0

8.90 9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 52.853 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

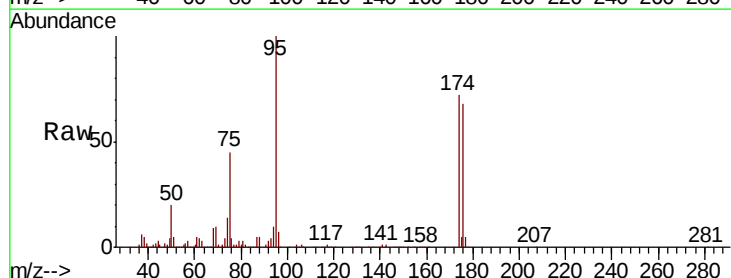
Tgt Ion: 95 Resp: 233158

Ion Ratio Lower Upper

95 100

174 72.0 0.0 149.0

176 68.4 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

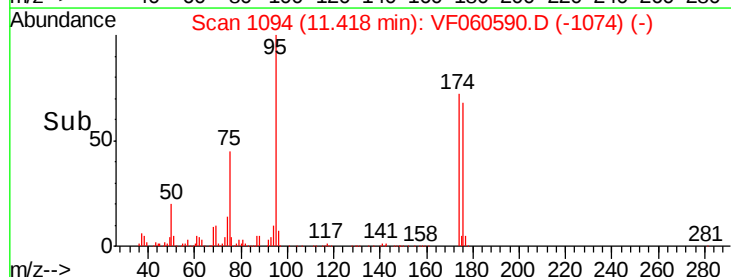
100000

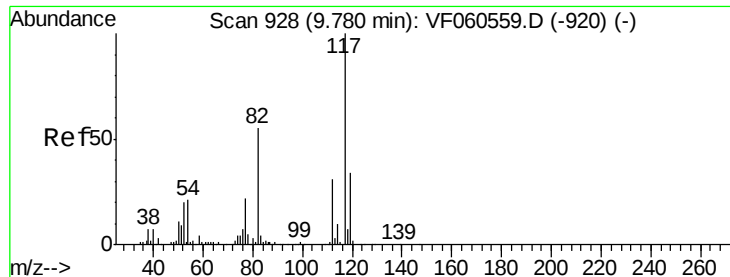
50000

0

11.30 11.40 11.50 11.60

Time-->





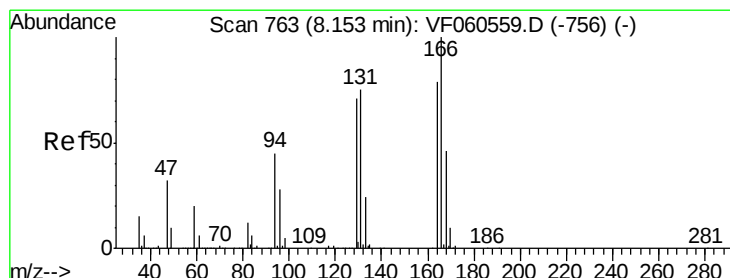
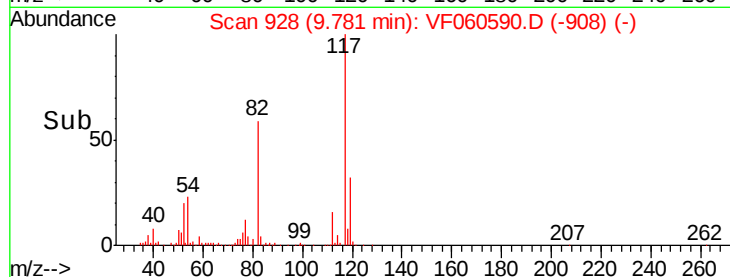
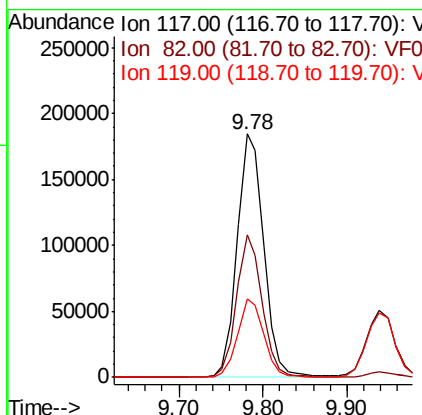
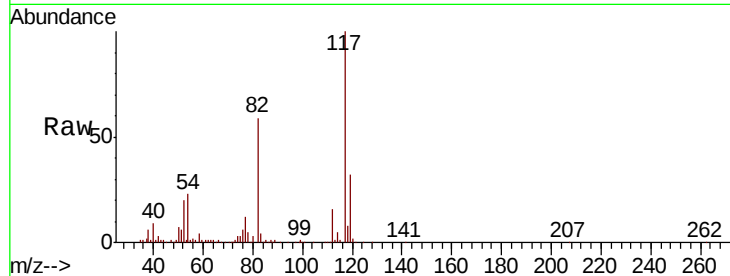
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	43.9	65.9
119	32.3	27.4	41.0

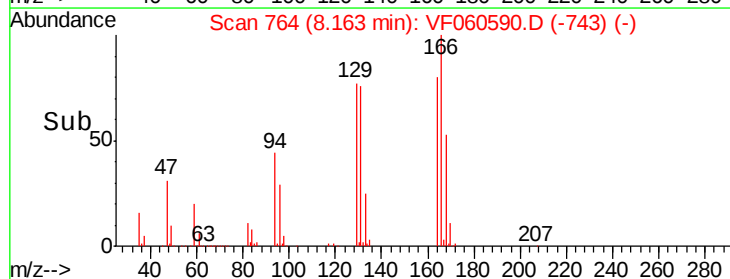
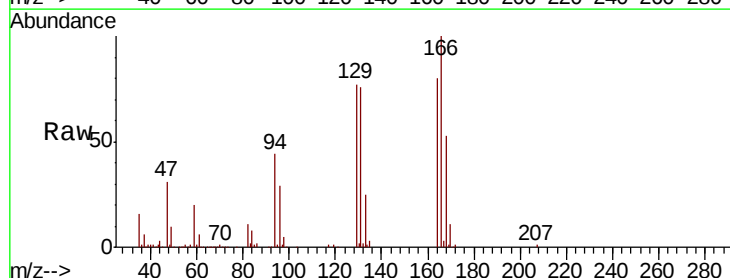
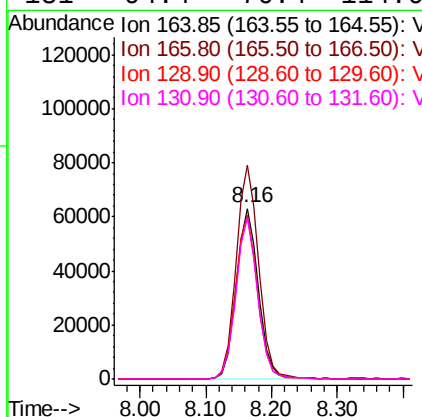
Manual Integrations
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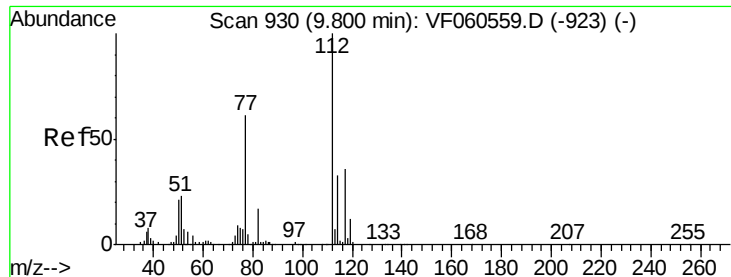
MMDadoda
11/6/2018 12:53:52 PM



#64
Tetrachloroethene
Concen: 47.029 ug/l
RT: 8.16 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.5	152.3
129	96.0	72.5	108.7
131	94.4	76.4	114.6





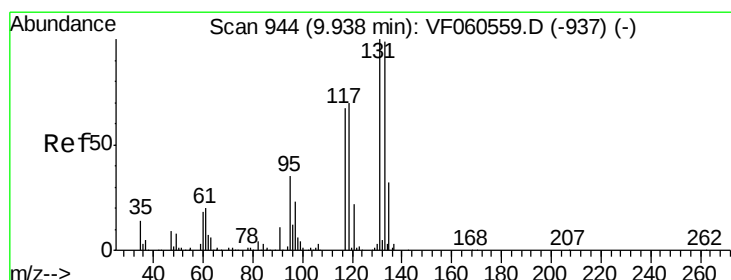
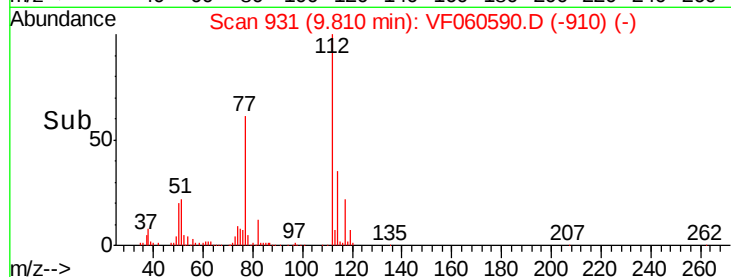
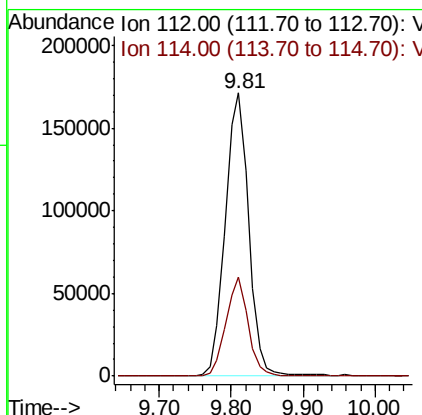
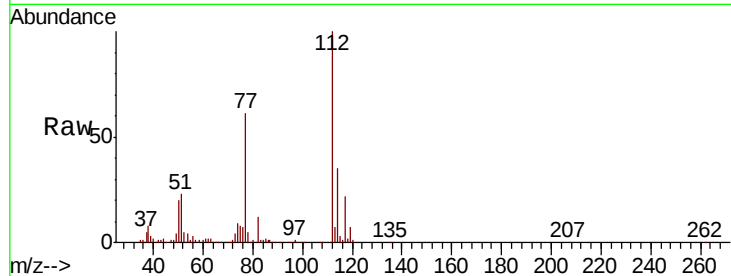
#65
Chlorobenzene
Concen: 46.756 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.9	26.6	40.0

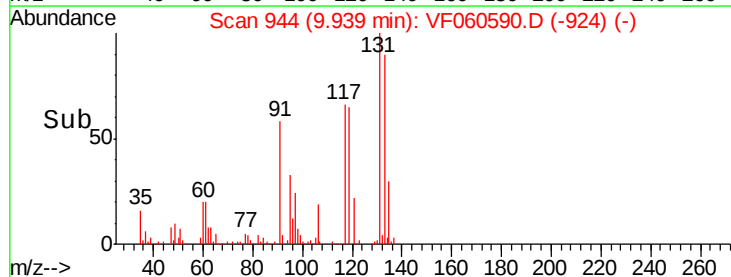
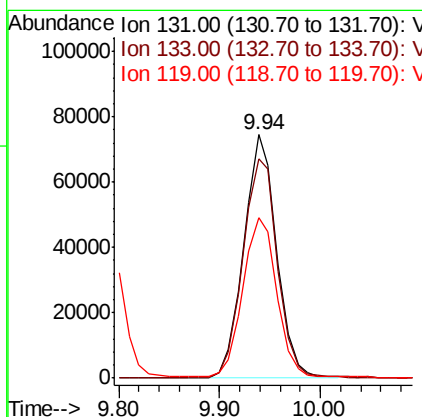
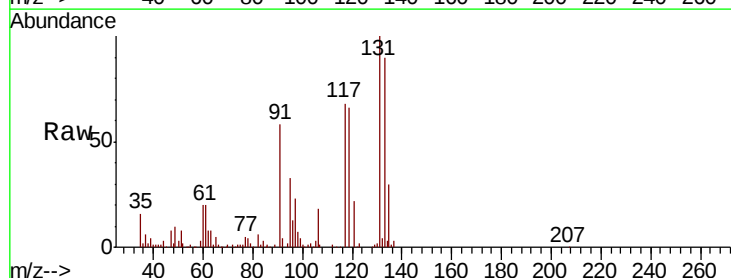
Manual Integrations
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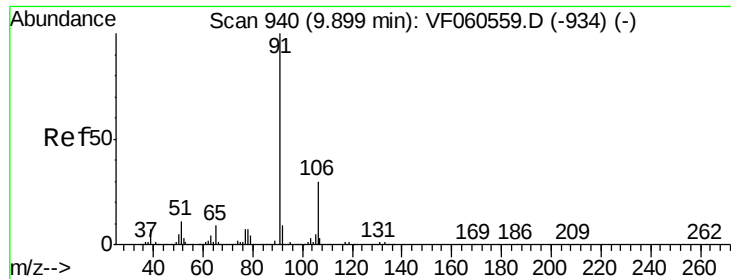
MMDadoda
11/6/2018 12:53:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.097 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.1	49.5	148.7
119	65.7	35.2	105.6





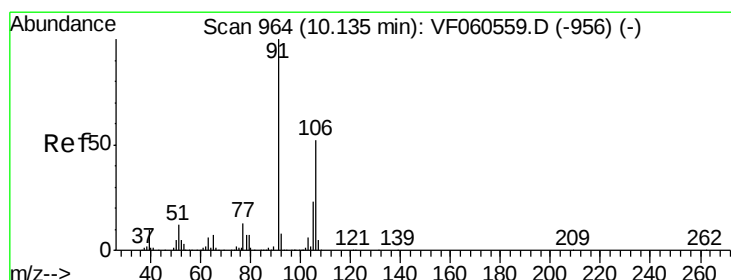
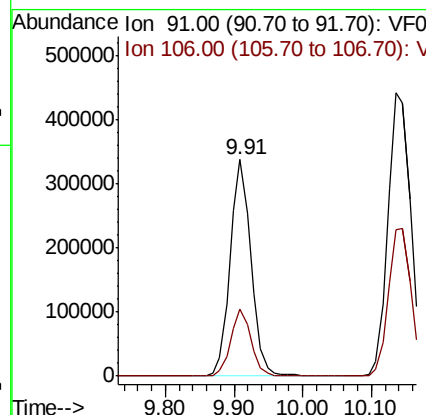
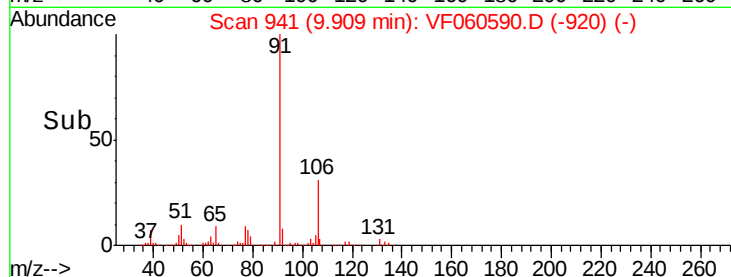
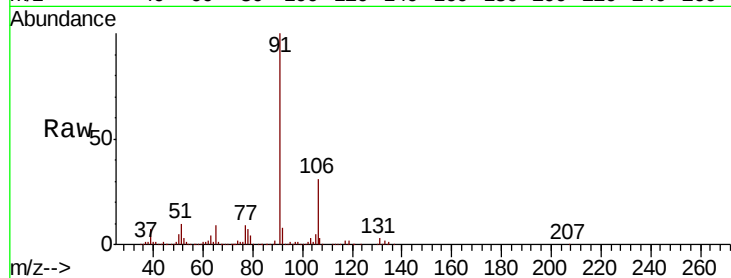
#67
Ethyl Benzene
Concen: 47.291 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.4

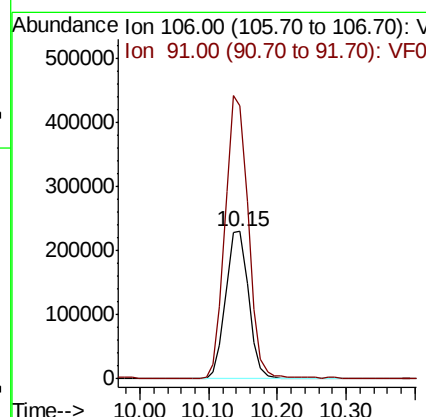
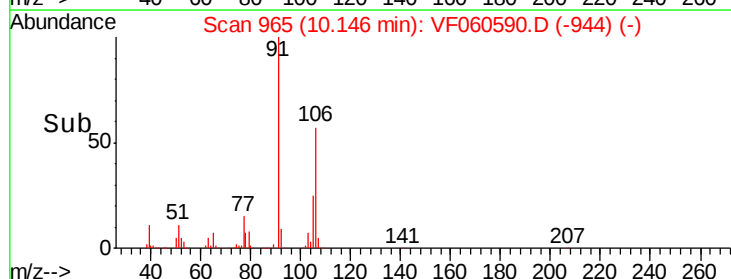
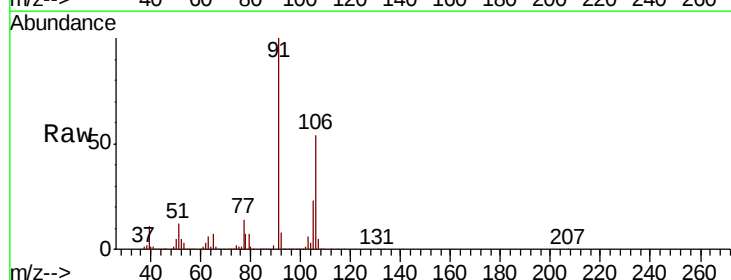
Manual Integrations
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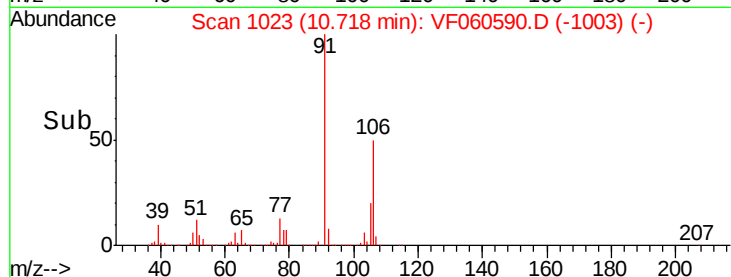
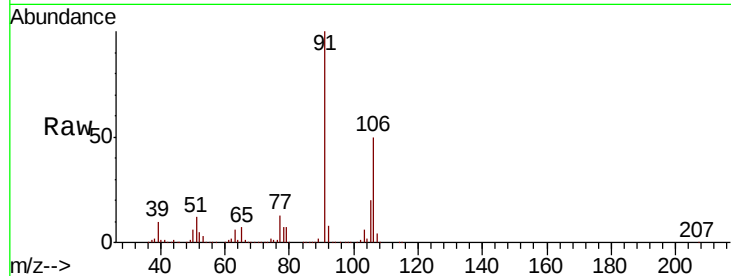
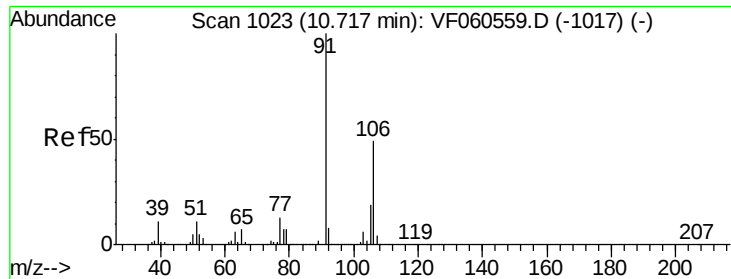
MMDadoda
11/6/2018 12:53:52 PM



#68
m/p-Xylenes
Concen: 94.236 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
106	100		
91	185.2	153.9	230.9





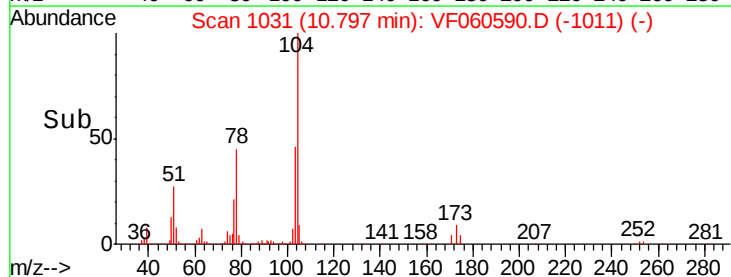
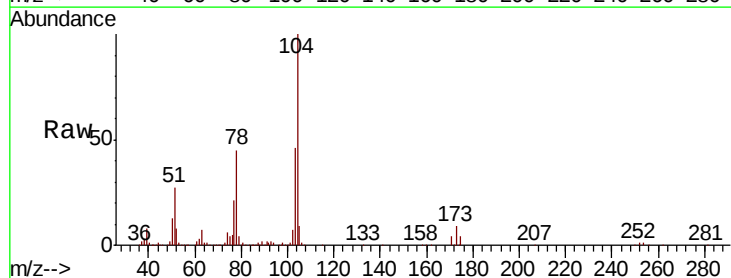
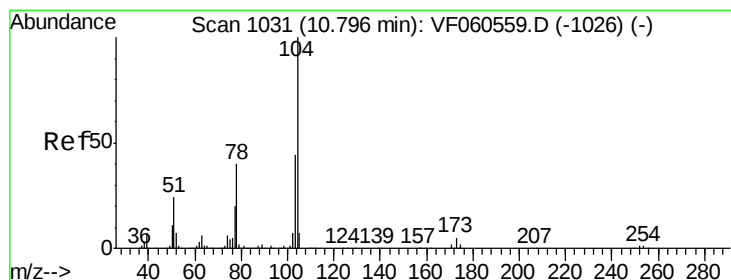
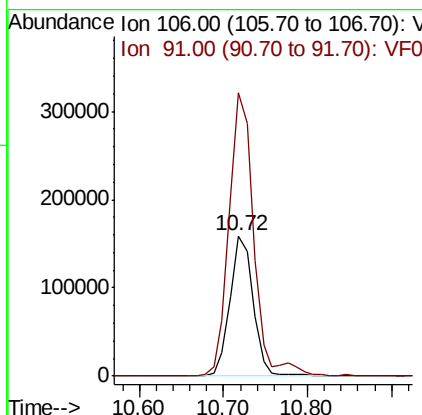
#69
o-Xylene
Concen: 49.542 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tot Ion:106 Resp: 307278
Ion Ratio Lower Upper
106 100
91 201.4 101.8 305.3

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

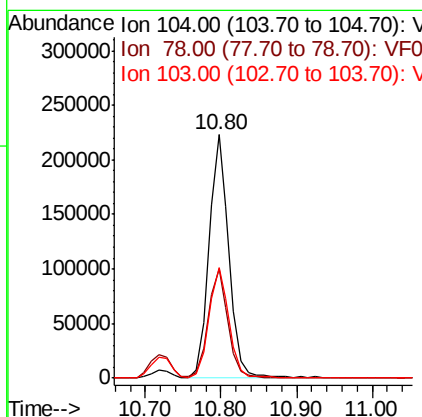
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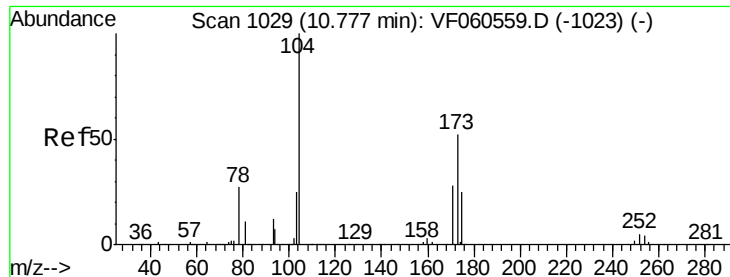
MMDadoda
11/6/2018 12:53:52 PM



#70
Styrene
Concen: 45.345 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion:104 Resp: 407454
Ion Ratio Lower Upper
104 100
78 45.0 32.6 49.0
103 45.6 35.2 52.8





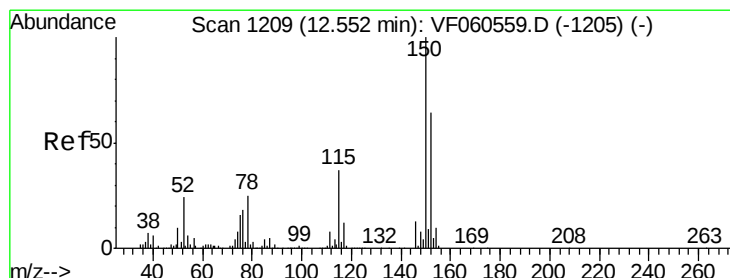
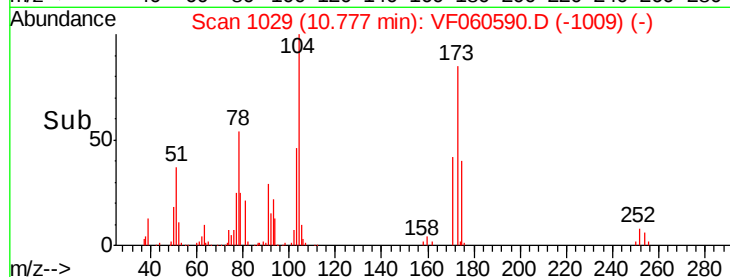
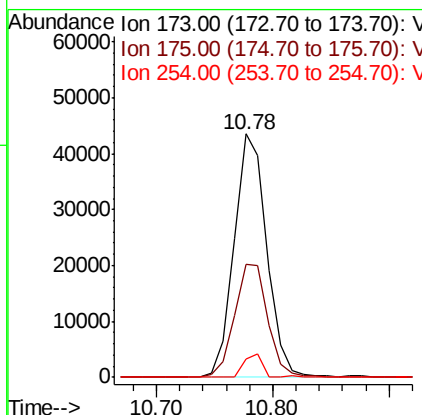
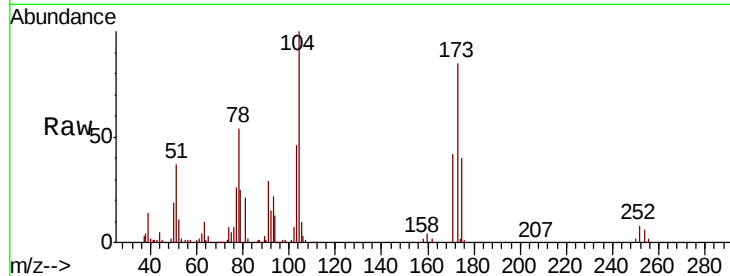
#71
Bromoform
Concen: 46.458 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.3	72.9
254	7.4	6.7	10.1

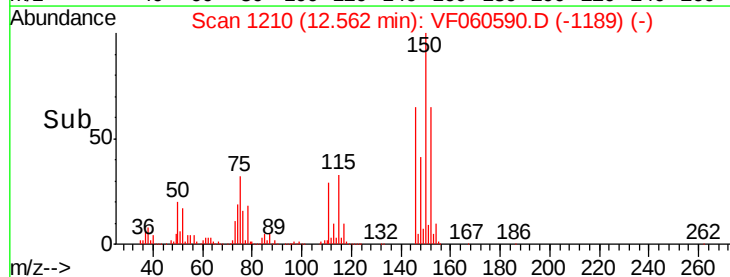
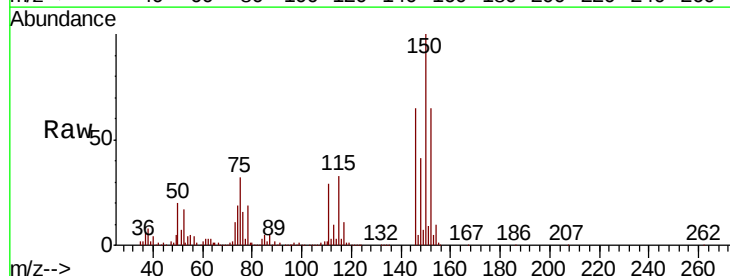
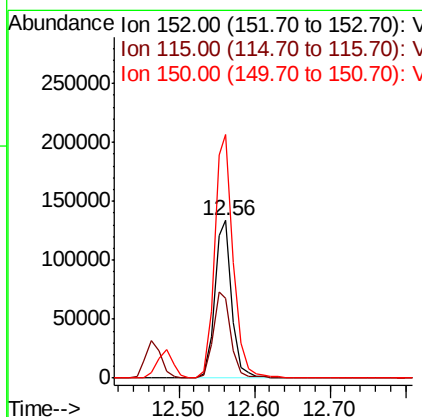
Manual Integrations
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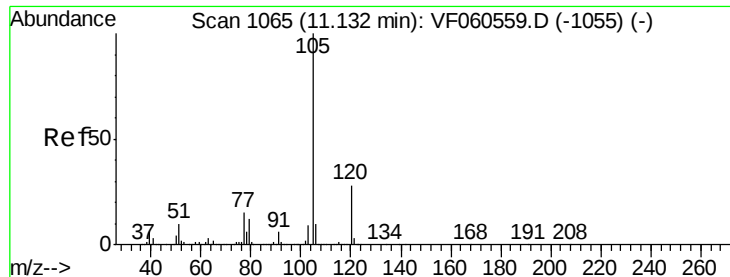
MMDadoda
11/6/2018 12:53:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.5	29.6	88.8
150	154.4	0.0	315.6





#73

Isopropylbenzene

Concen: 49.471 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 825997

Ion Ratio Lower Upper

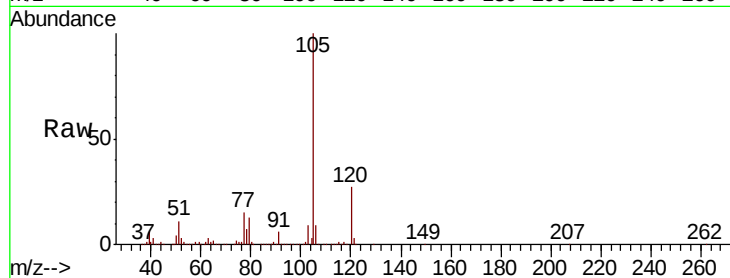
105 100

120 27.3 13.9 41.6

Manual Integrations
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11/6/2018 12:53:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

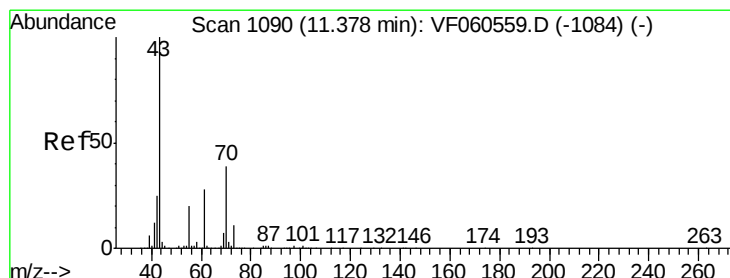
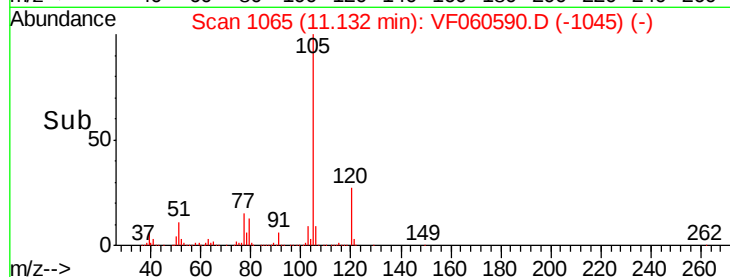
0

11.13

11.00

11.20

Time-->



#74

N-ethyl acetate

Concen: 56.534 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion: 43 Resp: 237265

Ion Ratio Lower Upper

43 100

70 39.3 30.9 46.3

55 20.9 16.6 24.8

61 26.7 22.0 33.0

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

200000

150000

100000

50000

0

11.38

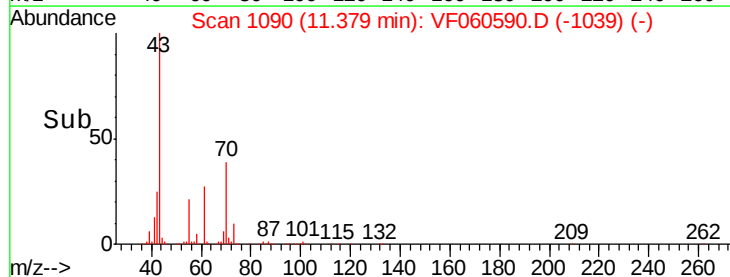
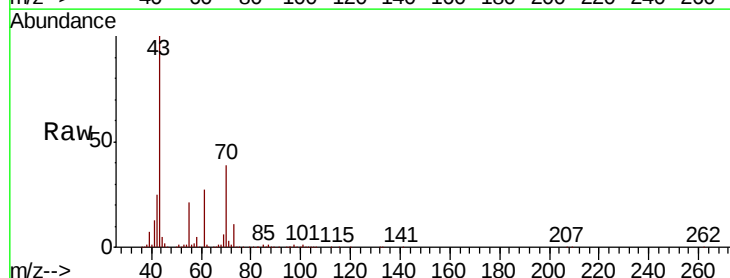
11.20

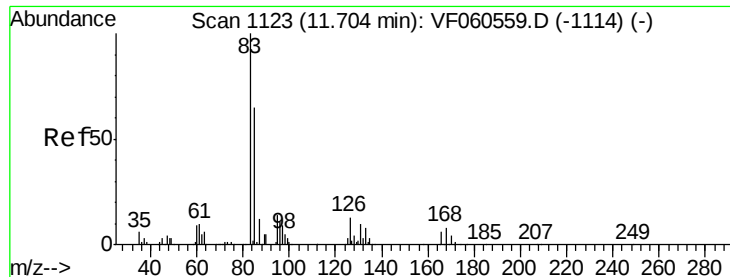
11.30

11.40

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.299 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

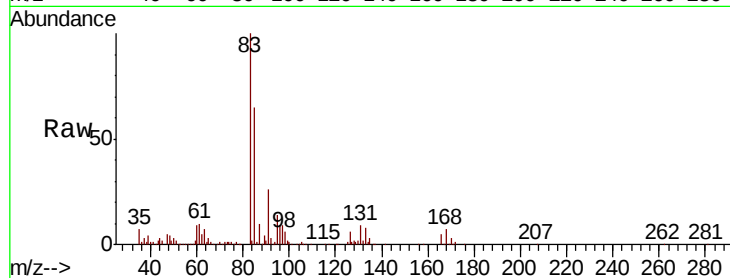
ClientSampleId :

VSTDCCC050

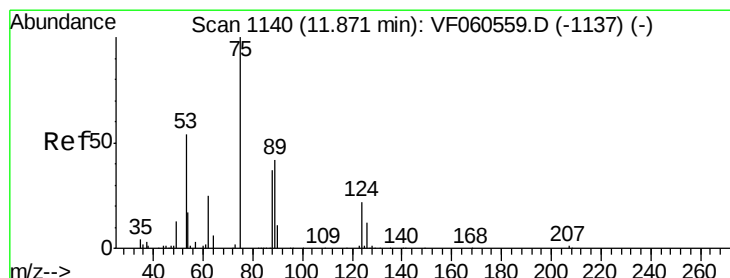
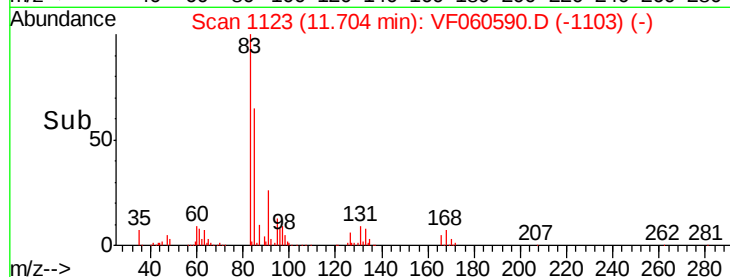
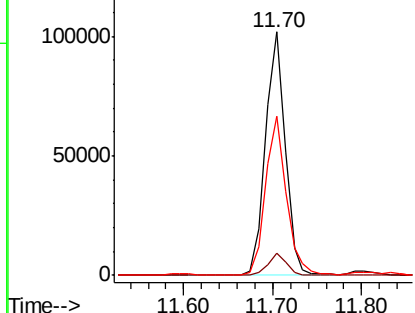
Tot Ion:	83	Resp:	156340
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.1	32.9	98.7

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 45.956 ug/l

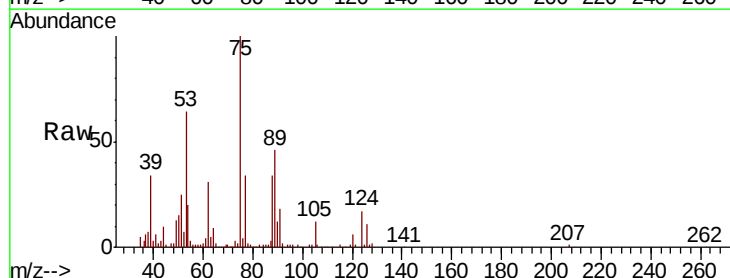
RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

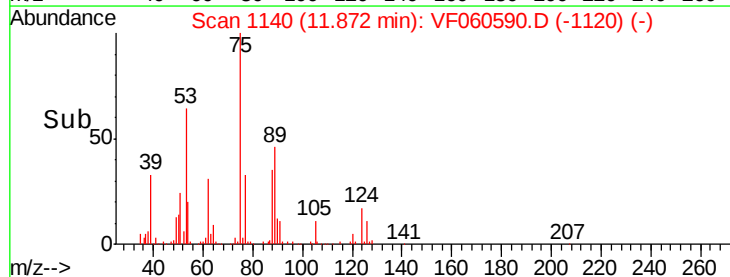
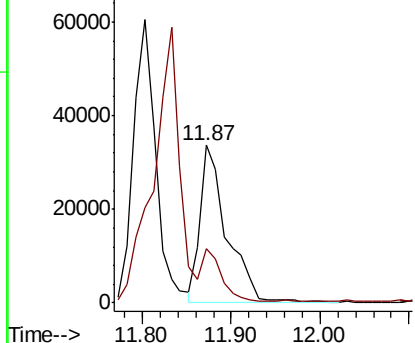
Lab File: VF060590.D

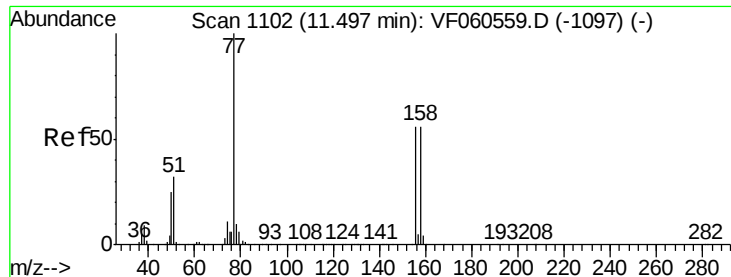
Acq: 6 Nov 2018 1:27

Tgt Ion:	75	Resp:	68831
Ion Ratio	Lower	Upper	
75	100		
77	34.5	17.4	52.3



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





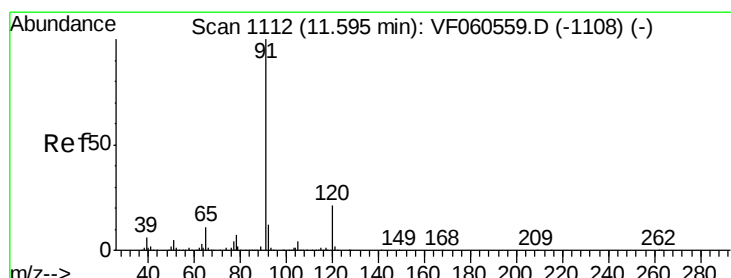
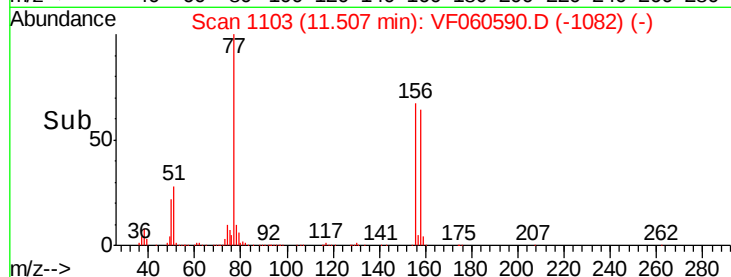
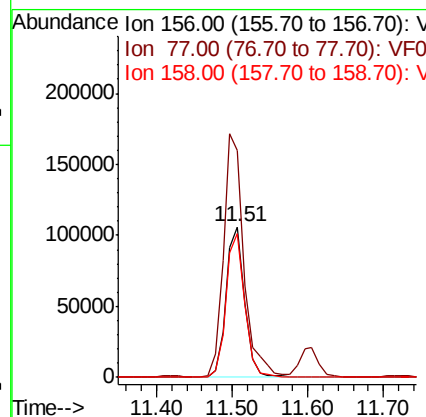
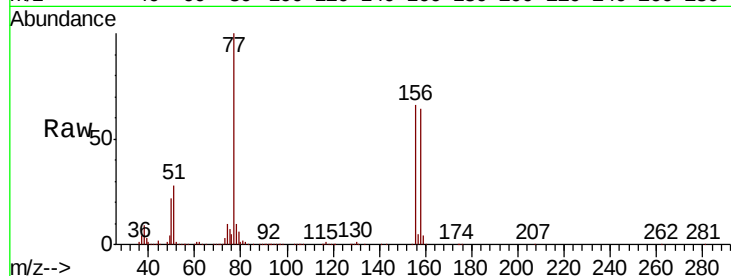
#77
Bromobenzene
Concen: 50.131 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100			
77	150.7	89.3	268.1	
158	95.7	50.0	150.1	

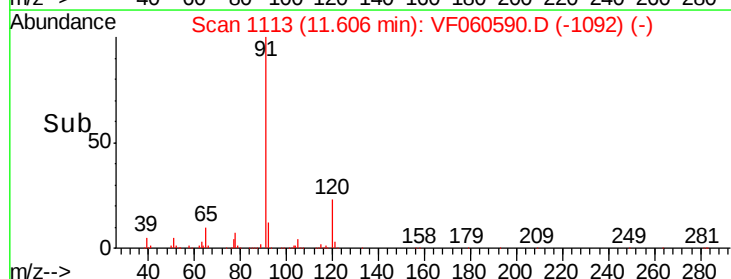
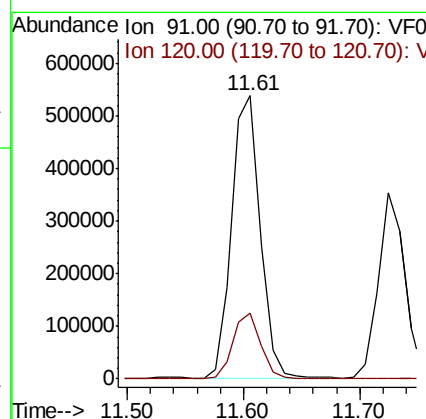
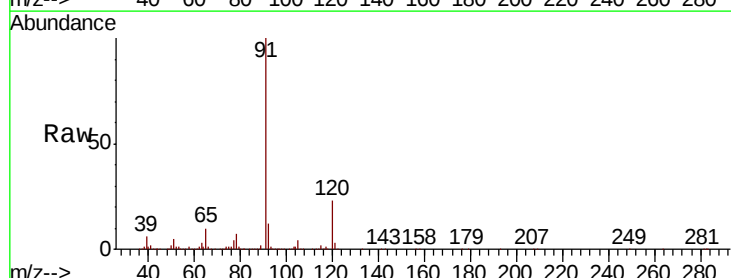
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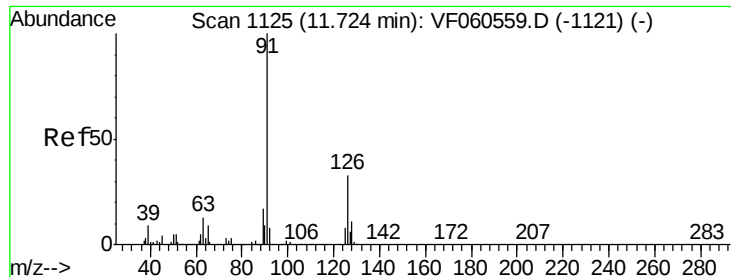
MMDadoda
11/6/2018 12:53:52 PM



#78
n-propylbenzene
Concen: 46.984 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
120	23.4	10.5	31.6	





#79

2-Chlorotoluene

Concen: 49.700 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 554469

Ion Ratio Lower Upper

91 100

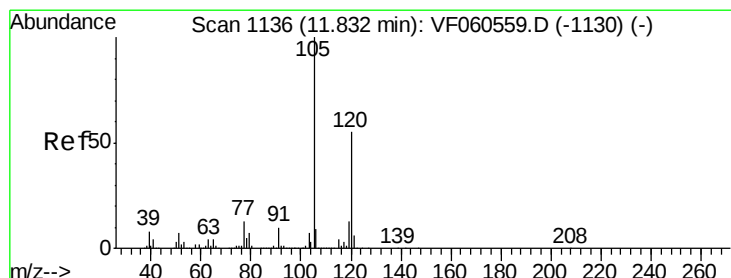
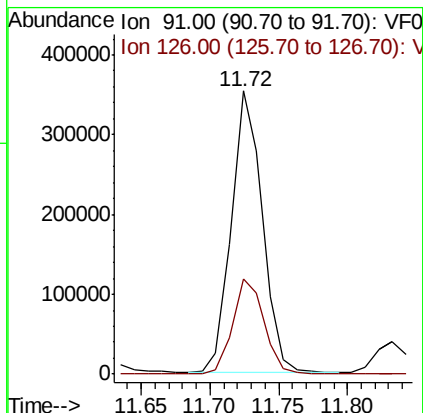
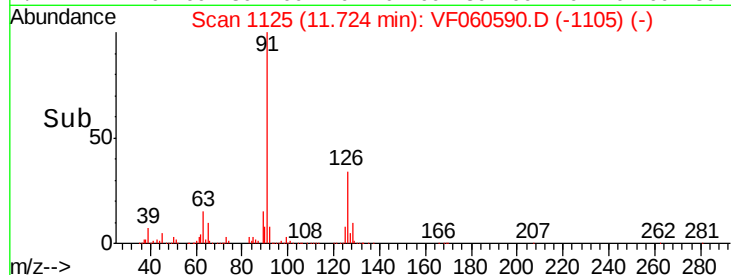
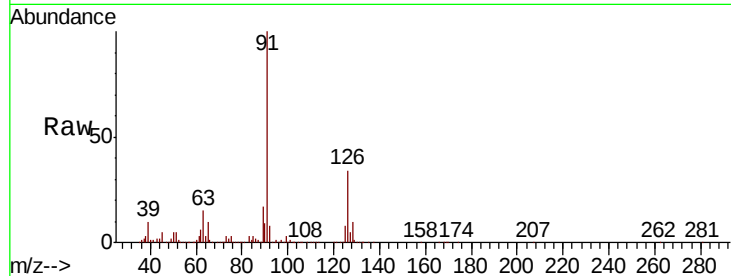
126 33.6 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 46.751 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060590.D

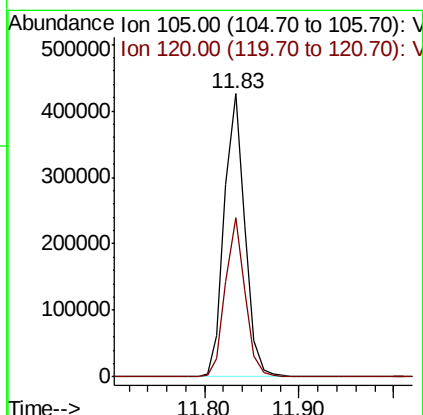
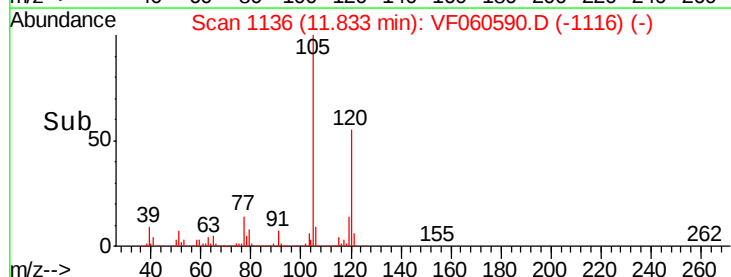
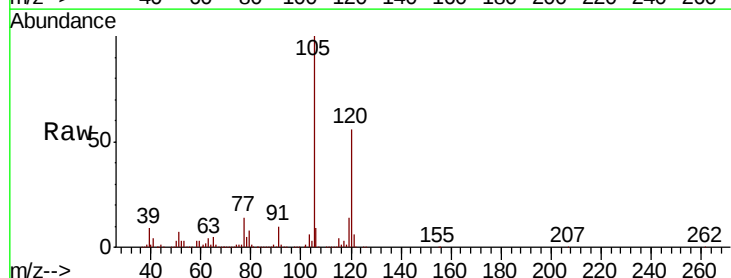
Acq: 6 Nov 2018 1:27

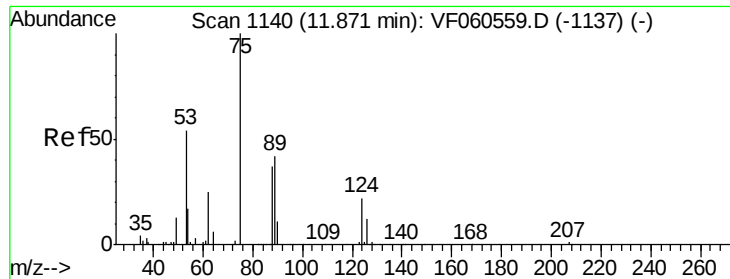
Tgt Ion: 105 Resp: 643415

Ion Ratio Lower Upper

105 100

120 56.1 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.222 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

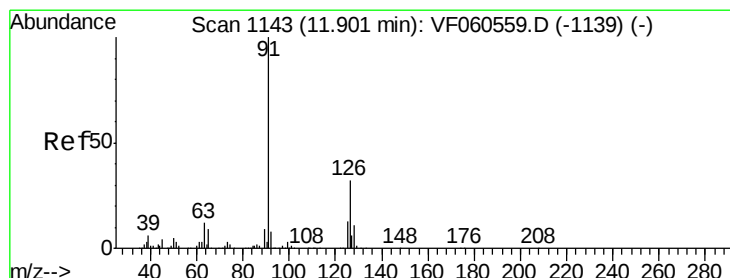
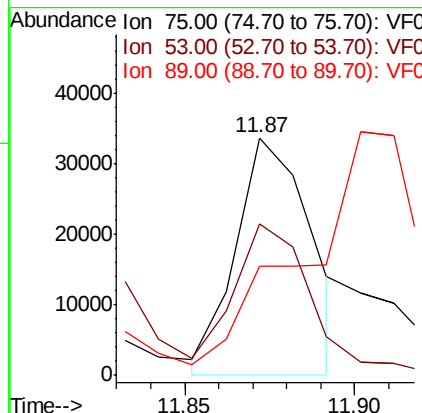
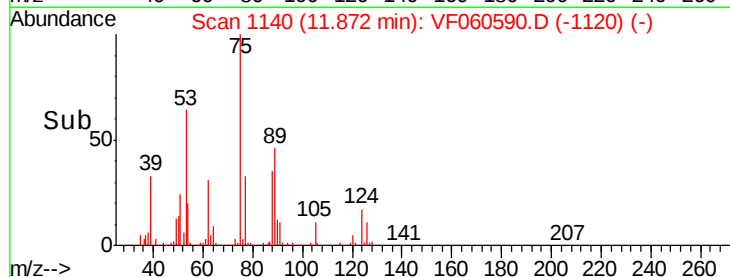
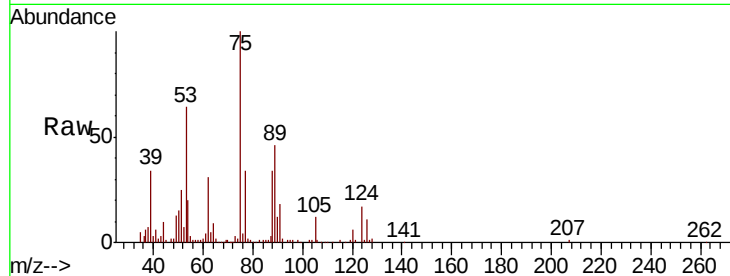
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	52053
Ion	Ratio	Lower	Upper
75	100		
53	63.7	51.6	77.4
89	46.0	36.7	55.1

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#82

4-Chlorotoluene

Concen: 48.445 ug/l

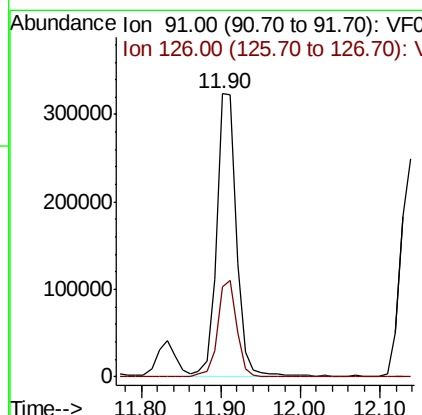
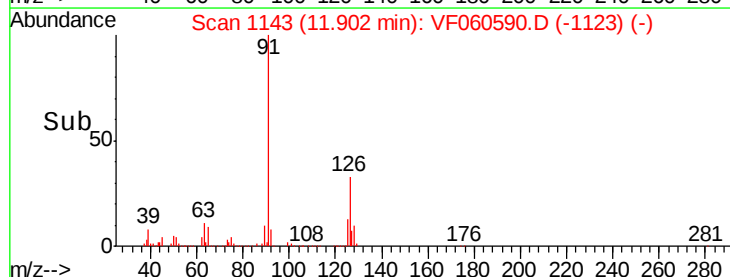
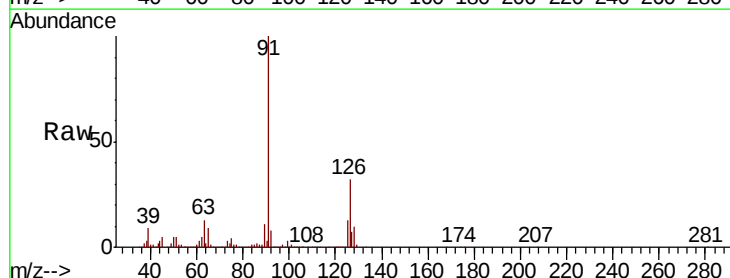
RT: 11.90 min Scan# 1143

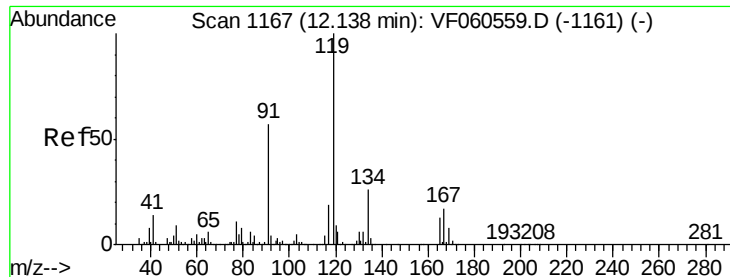
Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Tgt Ion:	91	Resp:	563879
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.7





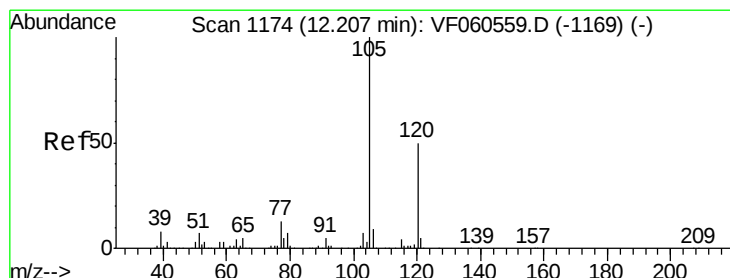
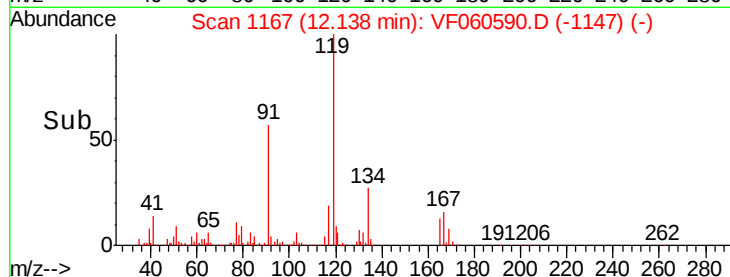
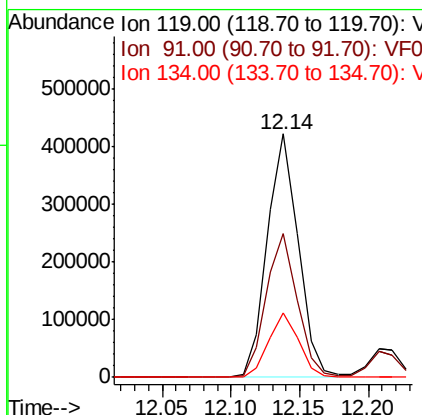
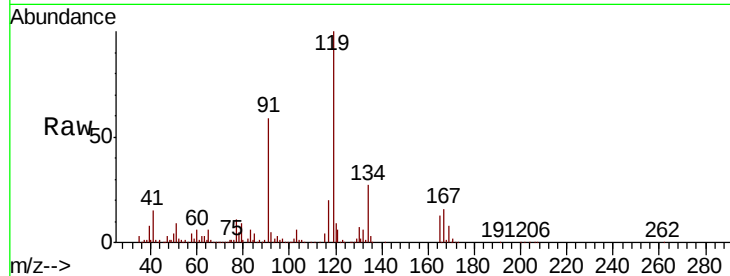
#83
tert-Butylbenzene
Concen: 47.237 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	28.8	86.4
134	26.6	13.2	39.6

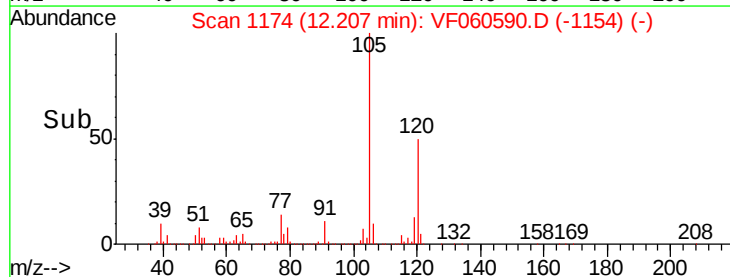
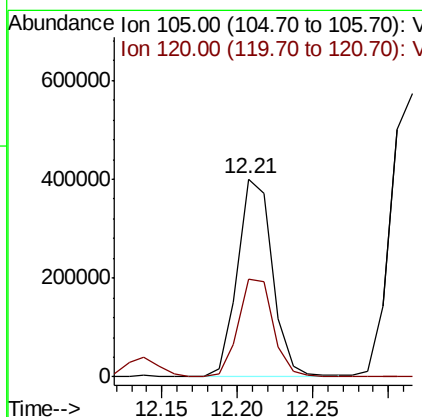
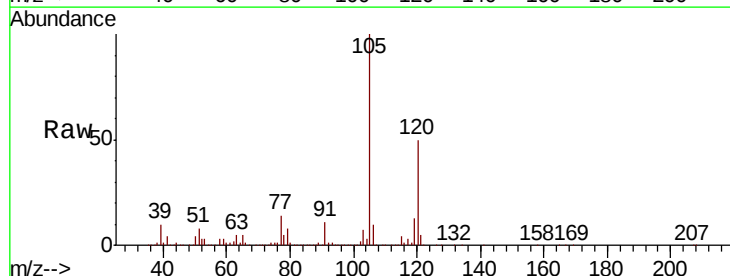
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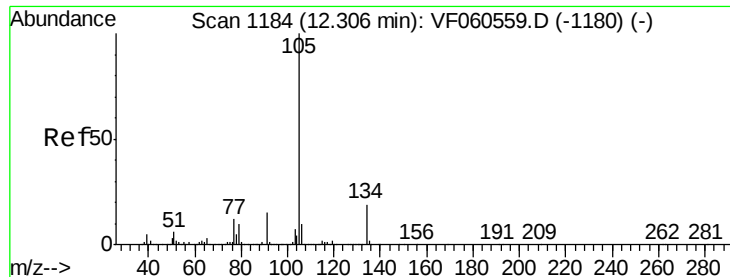
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#84
1,2,4-Trimethylbenzene
Concen: 47.734 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.6	76.8





#85

sec-Butylbenzene

Concen: 47.833 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 925131

Ion Ratio Lower Upper

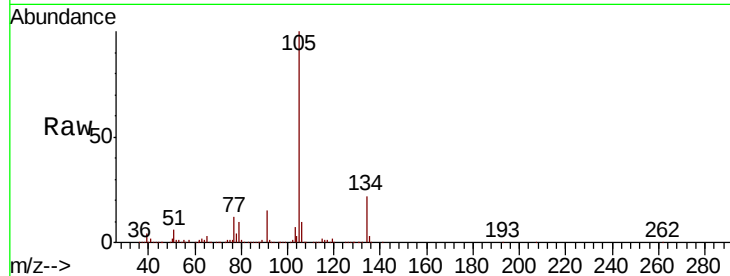
105 100

134 21.6 9.7 29.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

200000

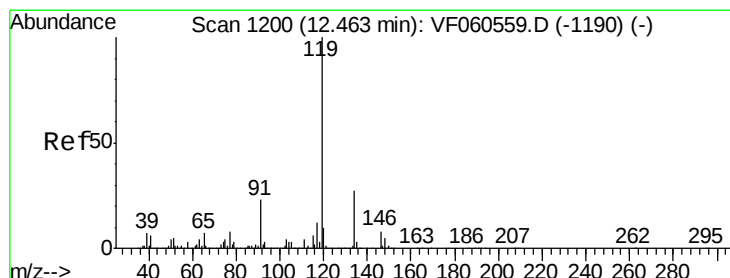
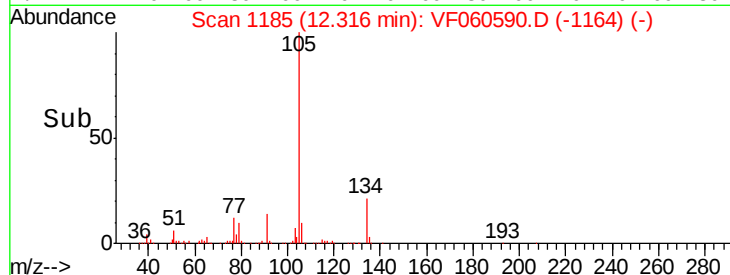
0

12.30

12.32

12.40

Time-->



#86

p-Isopropyltoluene

Concen: 46.179 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF060590.D

Acq: 6 Nov 2018 1:27

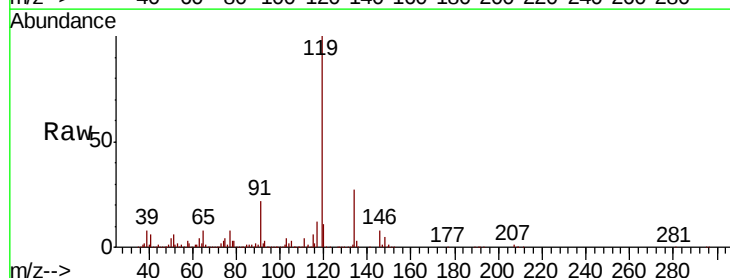
Tgt Ion:119 Resp: 735506

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 21.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

400000

200000

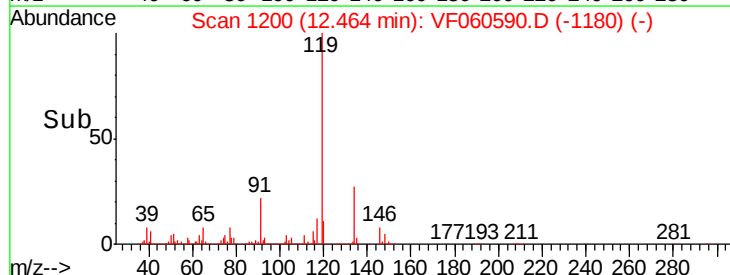
0

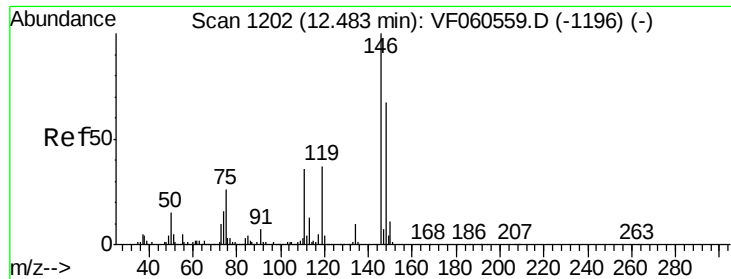
12.40

12.46

12.50

Time-->





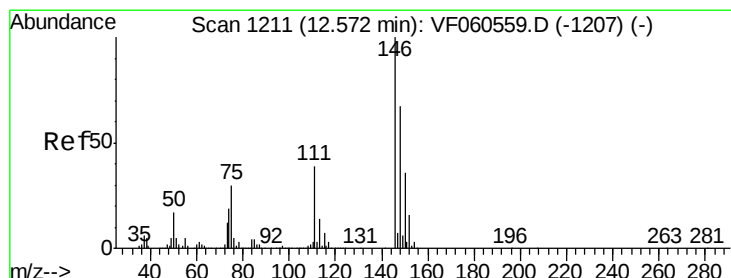
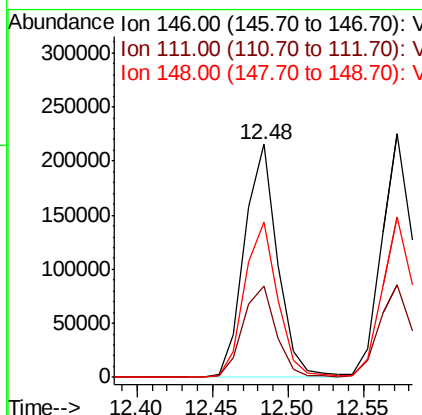
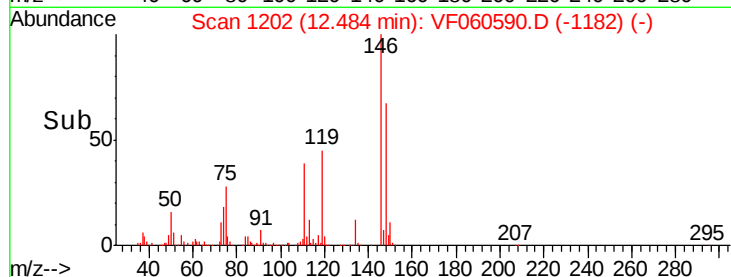
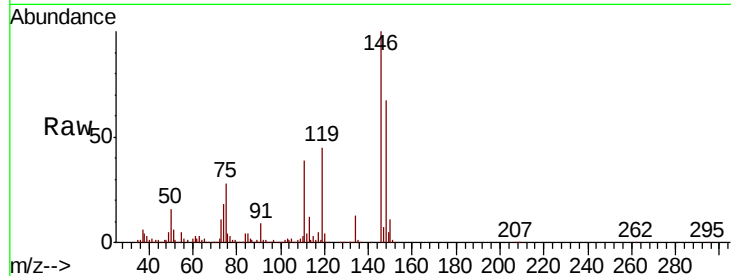
#87
 1,3-Dichlorobenzene
 Concen: 45.972 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.3	54.8
148	66.8	33.5	100.4

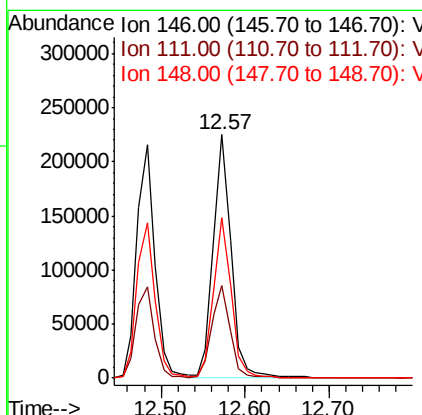
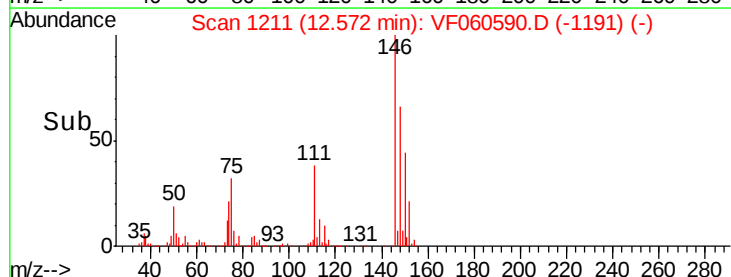
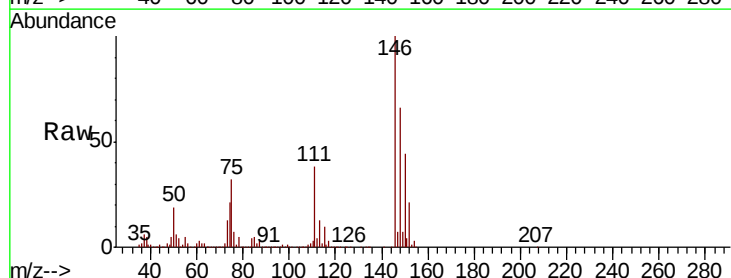
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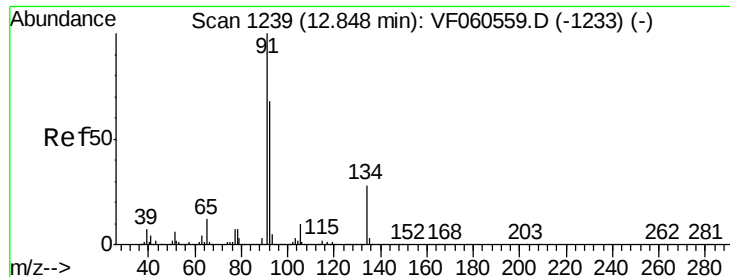
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.072 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.1
148	66.1	33.7	101.1





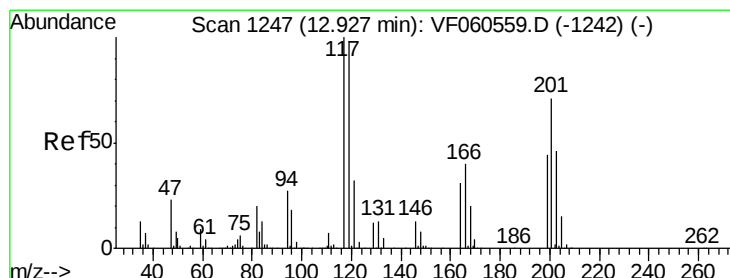
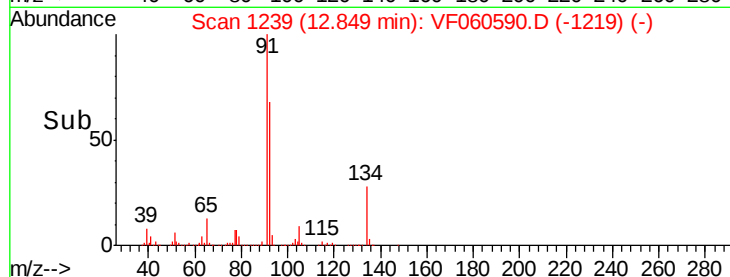
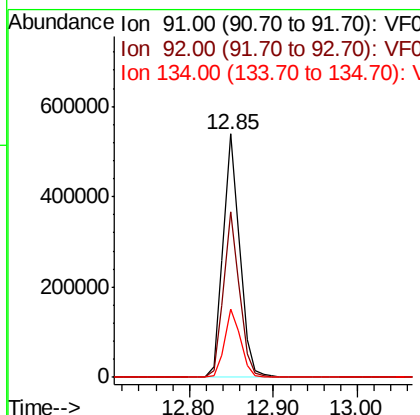
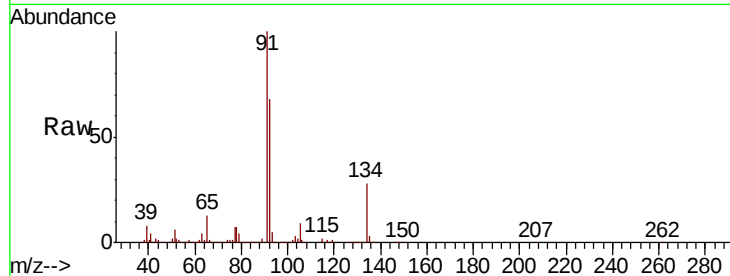
#89
n-Butylbenzene
Concen: 47.720 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		744510		
92	68.1	34.1	102.2		
134	27.8	13.9	41.6		

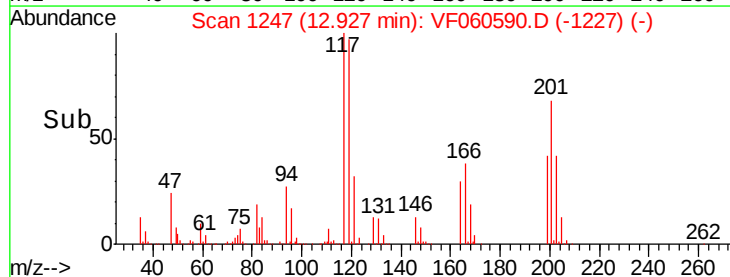
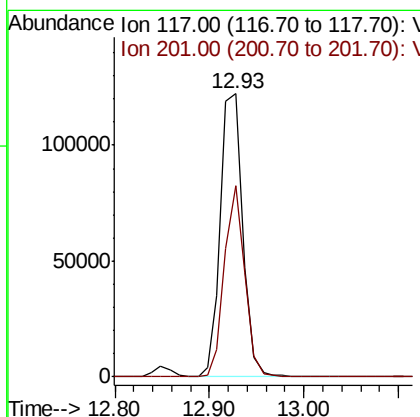
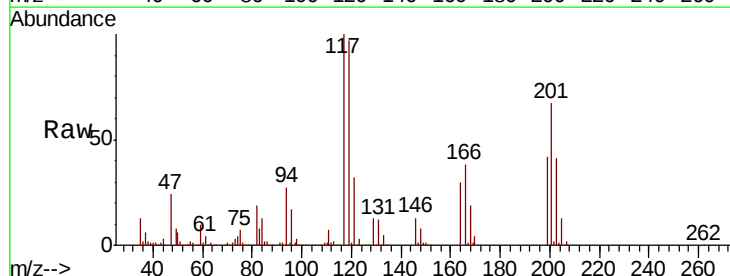
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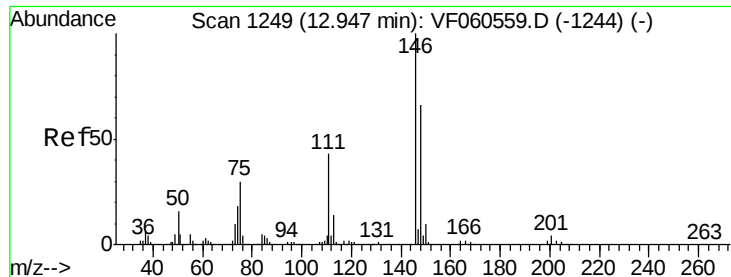
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#90
Hexachloroethane
Concen: 49.691 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		201270		
201	67.3	35.2	105.6		





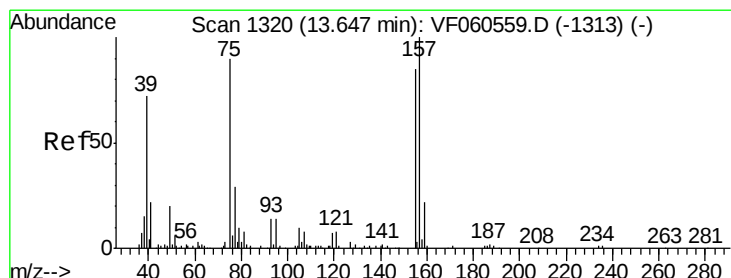
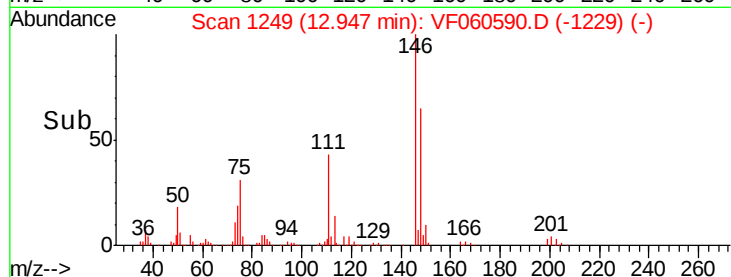
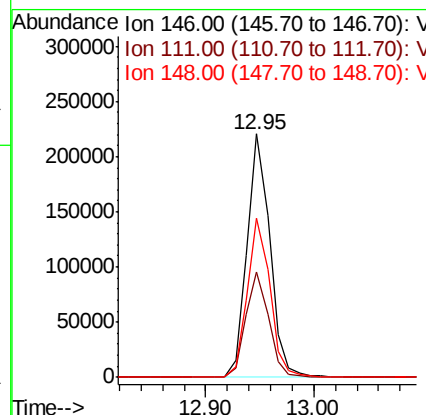
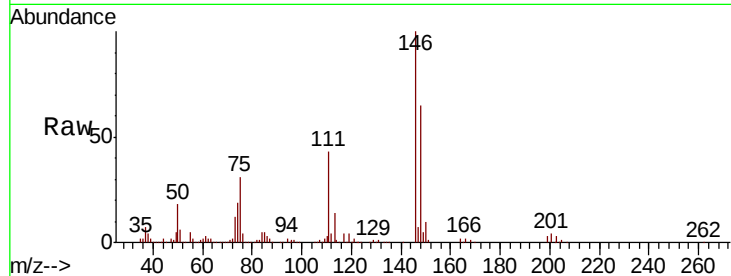
#91
 1,2-Dichlorobenzene
 Concen: 48.255 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	64.0
148	65.3	32.9	98.7

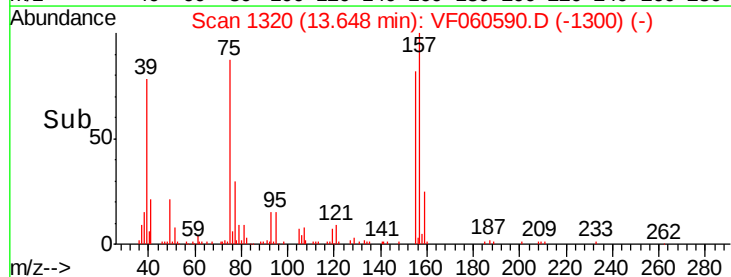
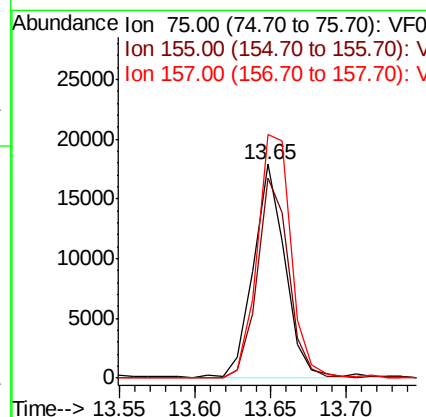
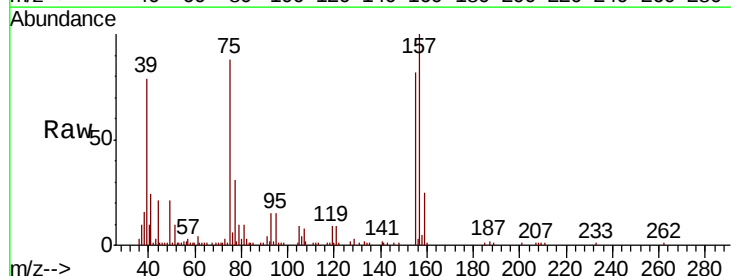
Manual Integrations
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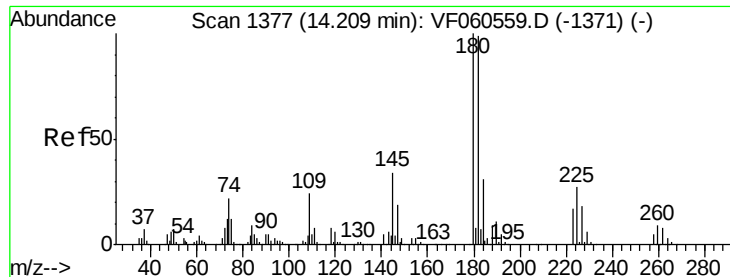
MMDadoda
 11/6/2018 12:53:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.547 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	47.3	141.8
157	114.0	55.3	165.9





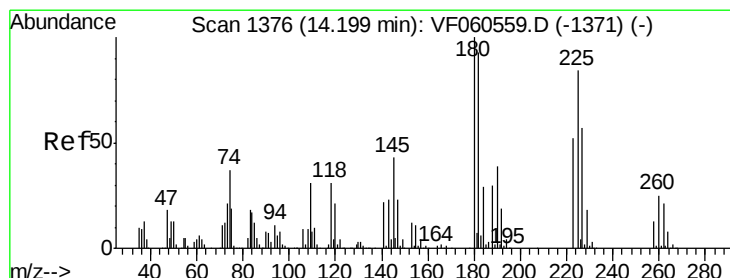
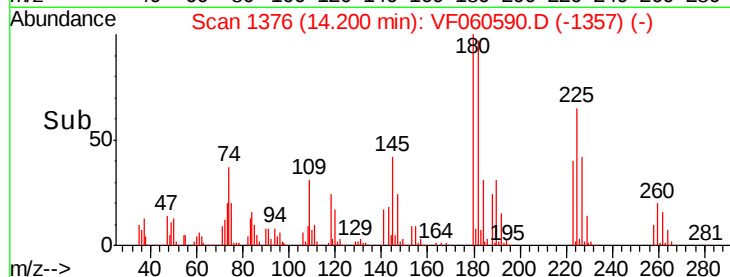
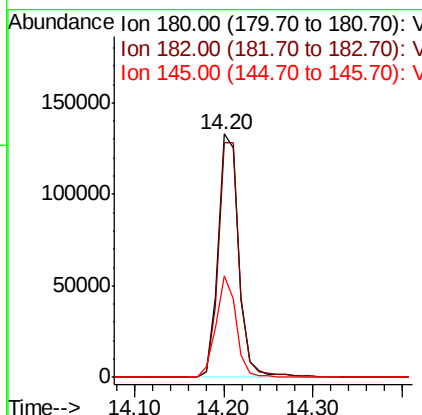
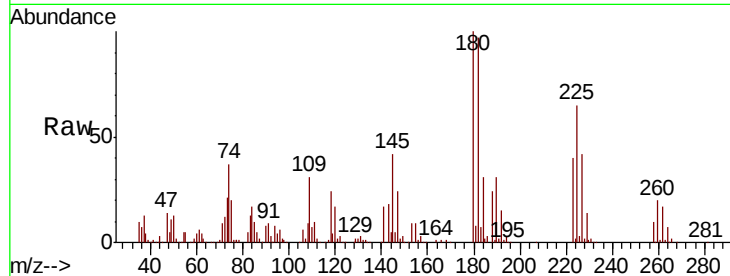
#93
 1,2,4-Trichlorobenzene
 Concen: 48.032 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	49.7	149.1	
145	41.6	16.9	50.7	

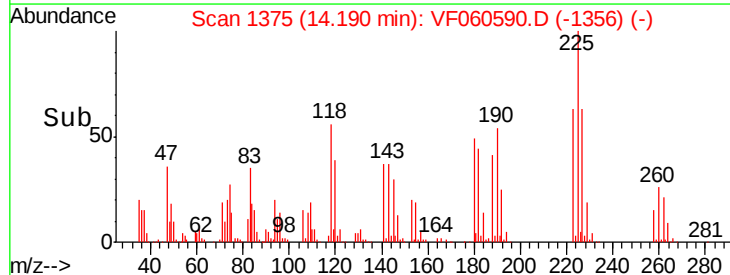
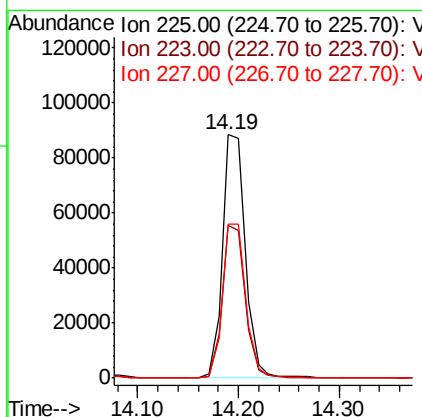
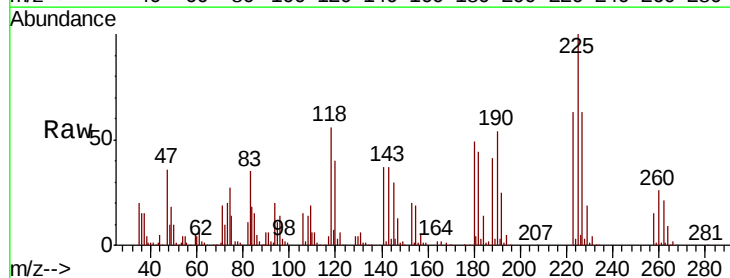
Manual Integrations
 APPROVED

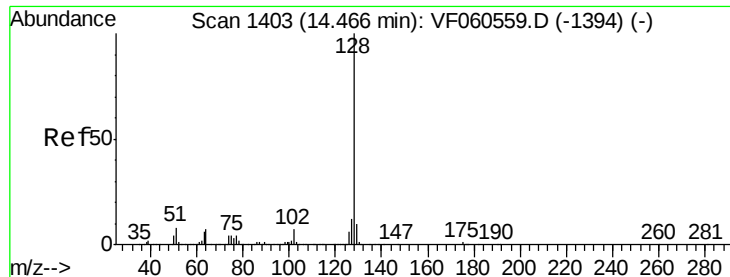
MMDadoda
 11/6/2018 12:53:52 PM



#94
 Hexachlorobutadiene
 Concen: 47.351 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060590.D
 Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	30.9	92.5	
227	63.1	33.9	101.6	





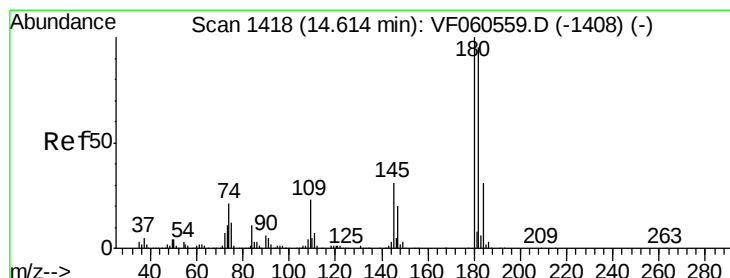
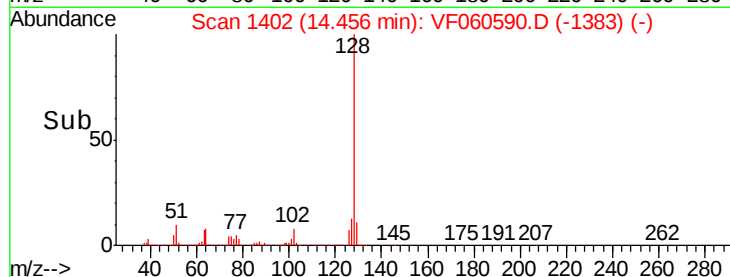
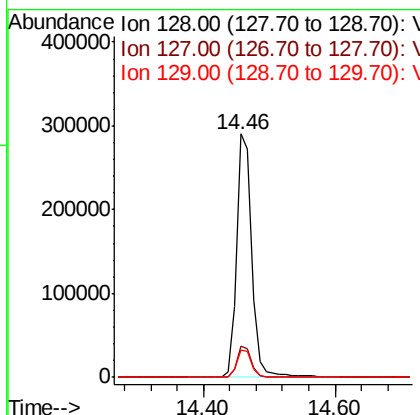
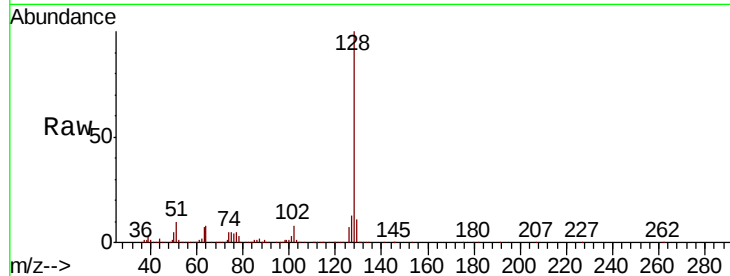
#95
Naphthalene
Concen: 51.480 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	469613		
127	12.7		9.4	14.0
129	11.3		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/6/2018 12:53:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.752 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060590.D
Acq: 6 Nov 2018 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	214200		
182	94.2		47.3	142.0
145	36.8		15.6	46.8

