

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060718.D
 Acq On : 13 Nov 2018 20:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 11/14/2018 11:54:06 AM

Quant Time: Nov 14 03:51:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	207704	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	345778	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	330280	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	171883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	113890	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
35) Dibromofluoromethane	4.11	113	128137	49.30	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.60%	
50) Toluene-d8	7.56	98	350533	52.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.41	95	165019	53.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	179599	48.316	ug/l	100
3) Chloromethane	1.12	50	110193	47.800	ug/l	94
4) Vinyl Chloride	1.15	62	102308	49.610	ug/l	97
5) Bromomethane	1.34	94	65732	50.179	ug/l	96
6) Chloroethane	1.38	64	42217	52.323	ug/l	96
7) Trichlorofluoromethane	1.50	101	230593	50.565	ug/l	93
8) Diethyl Ether	1.63	74	26843	45.941	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	109291	50.857	ug/l	96
10) Methyl Iodide	1.90	142	166311m	48.234	ug/l	
11) Tert butyl alcohol	2.57	59	26268	243.628	ug/l	98
12) 1,1-Dichloroethene	1.79	96	82080	48.438	ug/l	95
13) Acrolein	2.00	56	18713	189.815	ug/l #	82
14) Allyl chloride	2.10	41	135124	45.518	ug/l	99
15) Acrylonitrile	2.94	53	54756	238.329	ug/l	95
16) Acetone	2.24	43	117767	232.566	ug/l	99
17) Carbon Disulfide	1.85	76	250212m	48.855	ug/l	
18) Methyl Acetate	2.35	43	36391	43.766	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	186182	45.799	ug/l	98
20) Methylene Chloride	2.18	84	83493m	49.587	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	87072	49.182	ug/l	92
22) Diisopropyl ether	2.80	45	275348	48.043	ug/l	99
23) Vinyl Acetate	3.20	43	679367	251.724	ug/l	99
24) 1,1-Dichloroethane	2.87	63	172454	49.701	ug/l	99
25) 2-Butanone	4.34	43	195939	235.246	ug/l	100
26) 2,2-Dichloropropane	3.60	77	127896	46.840	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	149534	49.651	ug/l	95
28) Bromochloromethane	3.73	49	92902	51.519	ug/l	99
29) Tetrahydrofuran	4.07	42	78472	228.407	ug/l	98
30) Chloroform	3.87	83	272321	48.915	ug/l	94
31) Cyclohexane	3.70	56	208399	49.486	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	209755	47.845	ug/l	98
36) 1,1-Dichloropropene	4.29	75	198777	49.568	ug/l	98
37) Ethyl Acetate	4.11	43	72499	48.628	ug/l	99
38) Carbon Tetrachloride	4.00	117	190008	48.831	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	235859	50.696	ug/l	97
40) Benzene	4.64	78	434633	48.621	ug/l	96
41) Methacrylonitrile	4.75	41	49674	63.676	ug/l	96
42) 1,2-Dichloroethane	4.95	62	150907	48.851	ug/l	99
43) Isopropyl Acetate	6.96	43	86141	43.577	ug/l #	97
44) Trichloroethene	5.51	130	137552	48.771	ug/l	98
45) 1,2-Dichloropropane	6.24	63	113346	48.727	ug/l	97
46) Dibromomethane	6.10	93	74712	48.656	ug/l	94
47) Bromodichloromethane	6.39	83	182288	46.489	ug/l	100
48) Methyl methacrylate	6.72	41	61431	46.956	ug/l	93
49) 1,4-Dioxane	6.71	88	13375	1093.151	ug/l	88
51) 4-Methyl-2-Pentanone	8.27	43	328549	229.805	ug/l	100
52) Toluene	7.63	92	277556	46.333	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	142404	45.343	ug/l	94
54) cis-1,3-Dichloropropene	7.31	75	195472	47.916	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	76399	44.637	ug/l	98
56) Ethyl methacrylate	8.62	69	95049	48.898	ug/l	99
57) 1,3-Dichloropropane	8.86	76	142194	47.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.63	63	42467	239.159	ug/l	100
59) 2-Hexanone	9.50	43	239099	237.972	ug/l	99
60) Dibromochloromethane	8.72	129	120054	49.216	ug/l	100
61) 1,2-Dibromoethane	9.00	107	88776	49.318	ug/l	94
64) Tetrachloroethene	8.16	164	118167	45.180	ug/l	97
65) Chlorobenzene	9.81	112	311429	46.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	126961	43.675	ug/l	92
67) Ethyl Benzene	9.90	91	563582	44.861	ug/l	99
68) m/p-Xylenes	10.14	106	390713	87.027	ug/l	99
69) o-Xylene	10.72	106	231181	45.800	ug/l	97
70) Styrene	10.79	104	306343	44.720	ug/l	98
71) Bromoform	10.78	173	58769	44.957	ug/l #	98
73) Isopropylbenzene	11.13	105	709128	51.255	ug/l	100
74) N-amyl acetate	11.37	43	145464	46.185	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	111001	48.527	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	75507	44.447	ug/l	98
77) Bromobenzene	11.50	156	141730	49.214	ug/l	96
78) n-propylbenzene	11.60	91	790373	48.982	ug/l	100
79) 2-Chlorotoluene	11.73	91	455416	48.560	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	551532	50.212	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	36009m	43.145	ug/l	
82) 4-Chlorotoluene	11.91	91	458100	47.681	ug/l	98
83) tert-Butylbenzene	12.13	119	568924	48.782	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	527090	46.399	ug/l	95
85) sec-Butylbenzene	12.31	105	802800	50.744	ug/l	98
86) p-Isopropyltoluene	12.46	119	656271	49.668	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	278397	48.576	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	265469	48.196	ug/l	97
89) n-Butylbenzene	12.84	91	633689	46.995	ug/l	98
90) Hexachloroethane	12.92	117	167641	51.872	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	262535	48.651	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20633	47.992	ug/l	95

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QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	191645	49.411	ug/l	94
94) Hexachlorobutadiene	14.20	225	131775	51.992	ug/l	96
95) Naphthalene	14.46	128	351867	49.719	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	186705	52.094	ug/l	98

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

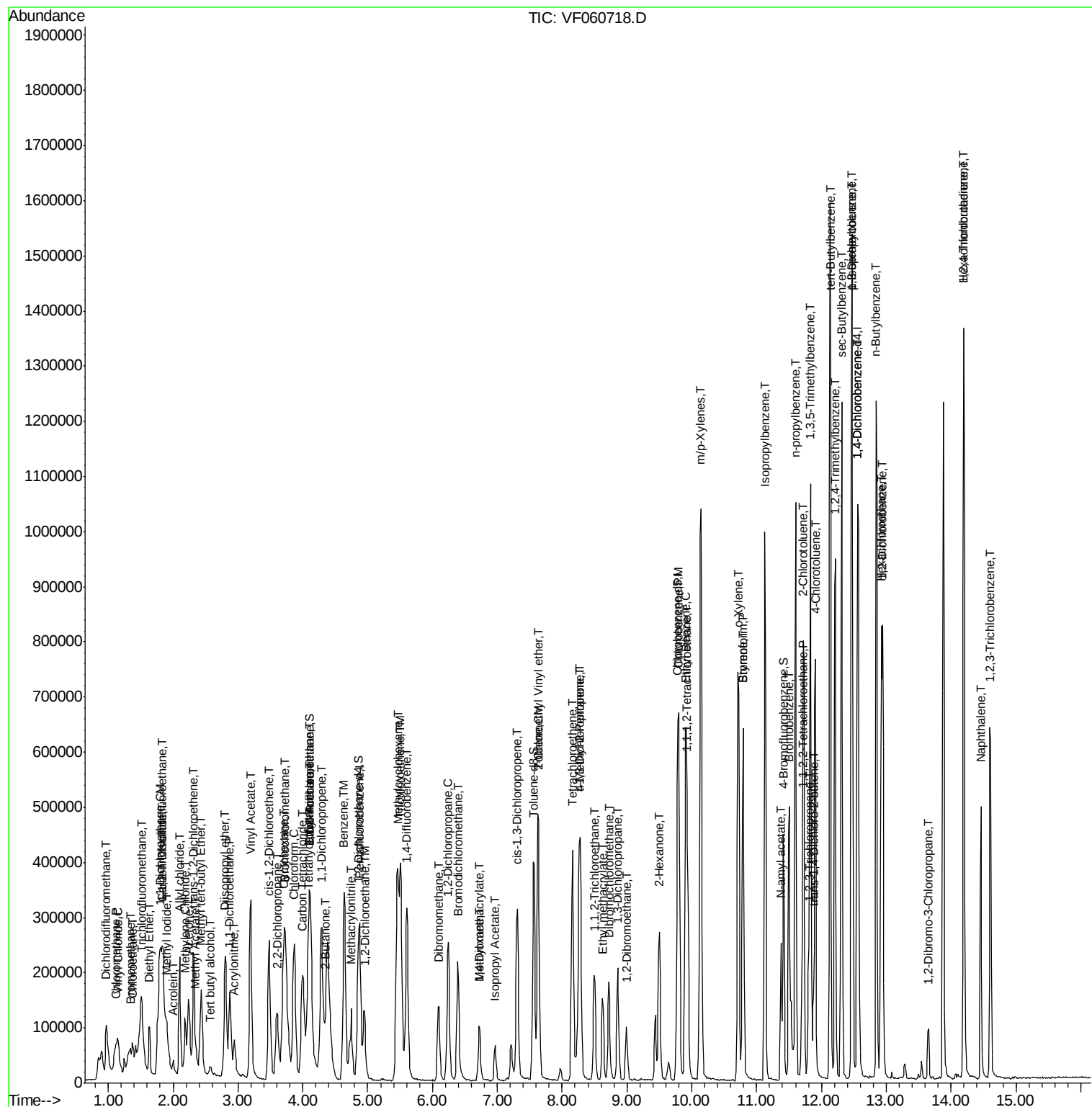
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 Data File : VF060718.D
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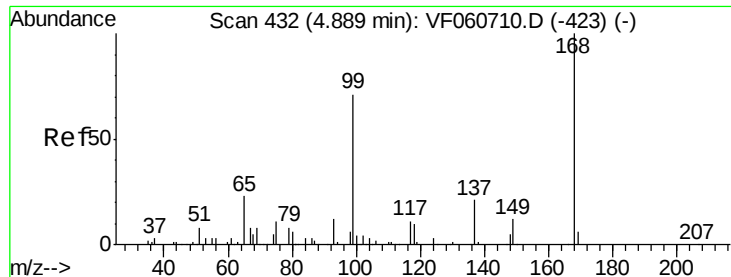
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 207704

Ion Ratio Lower Upper

168 100

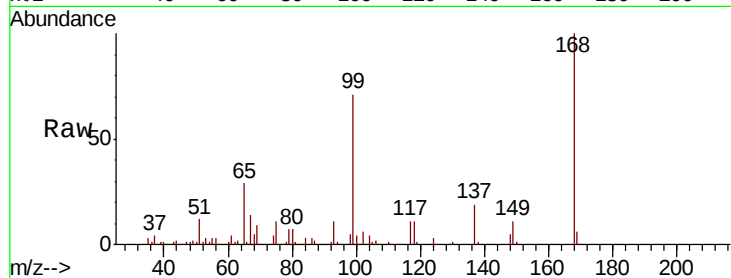
99 71.3 57.2 85.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF060718.D (-168) (-)

Ion 99.00 (98.70 to 99.70): VF060718.D (-99) (-)

4.87

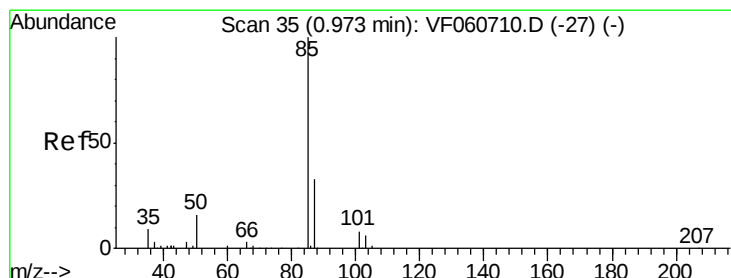
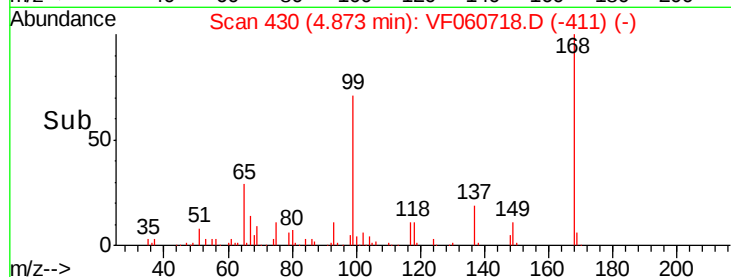
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.316 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060718.D

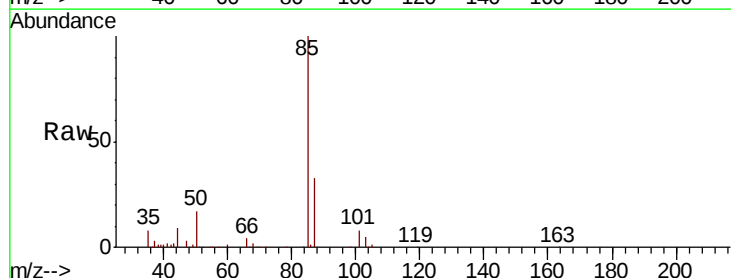
Acq: 13 Nov 2018 20:05

Tgt Ion: 85 Resp: 179599

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF060718.D (-85) (-)

Ion 87.00 (86.70 to 87.70): VF060718.D (-87) (-)

0.97

60000

50000

40000

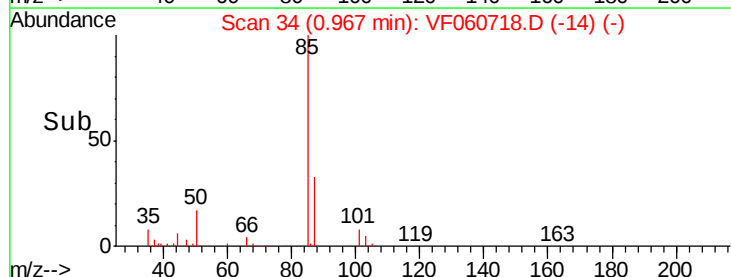
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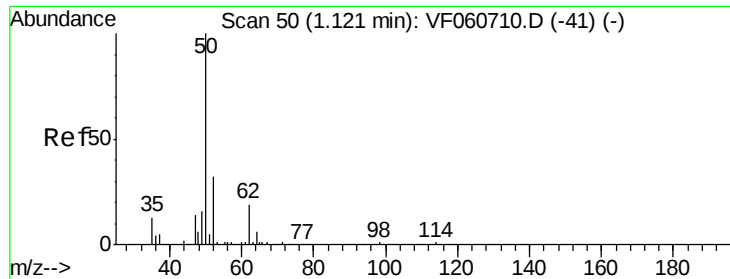
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.800 ug/l

RT: 1.12 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110193

Ion Ratio Lower Upper

50 100

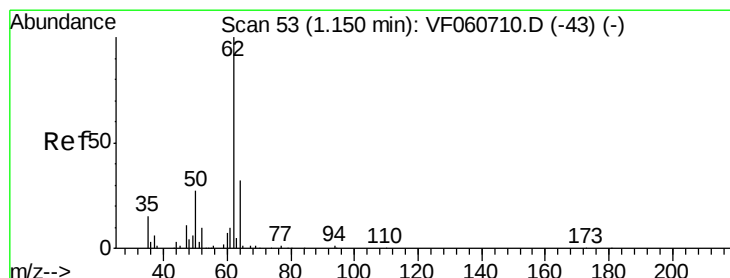
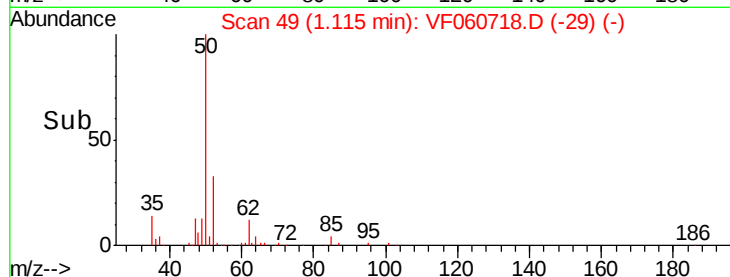
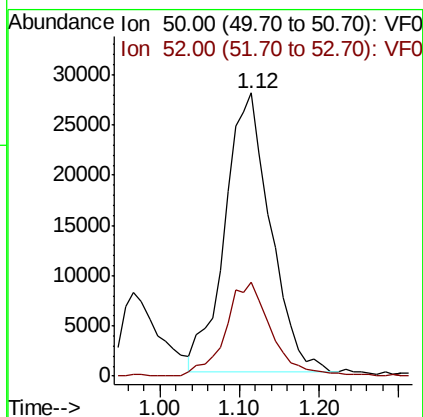
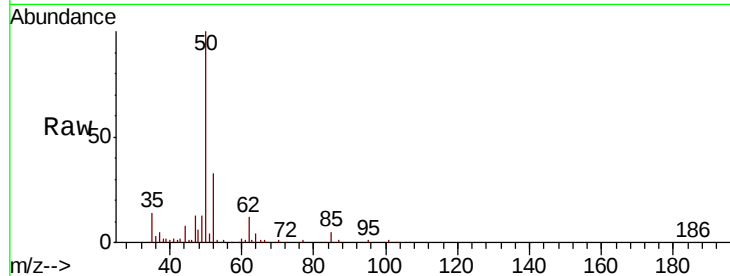
52 33.4 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.610 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060718.D

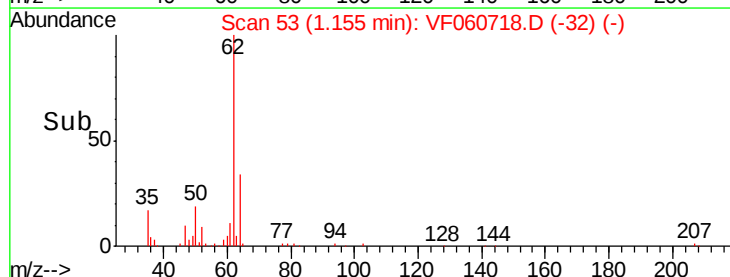
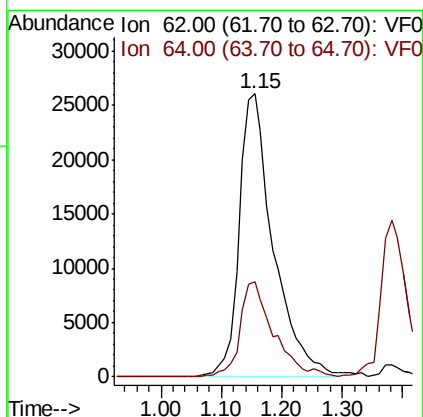
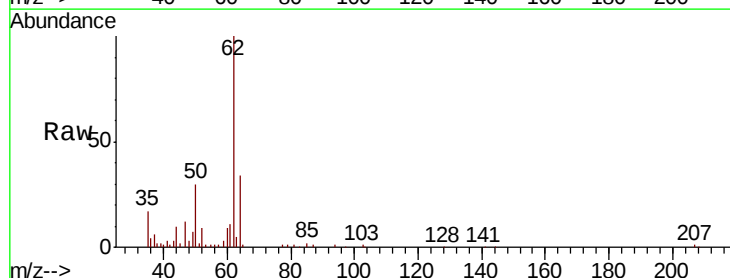
Acq: 13 Nov 2018 20:05

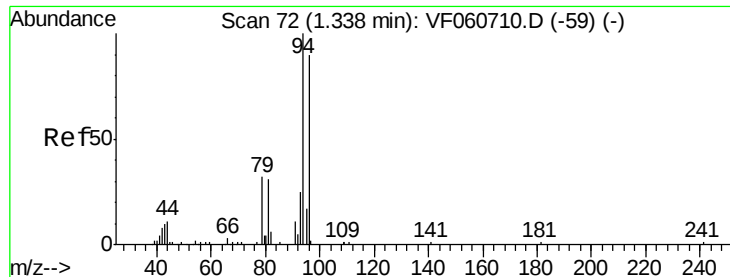
Tgt Ion: 62 Resp: 102308

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 50.179 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65732

Ion Ratio Lower Upper

94 100

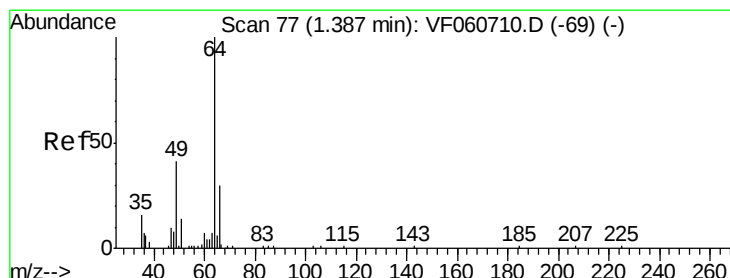
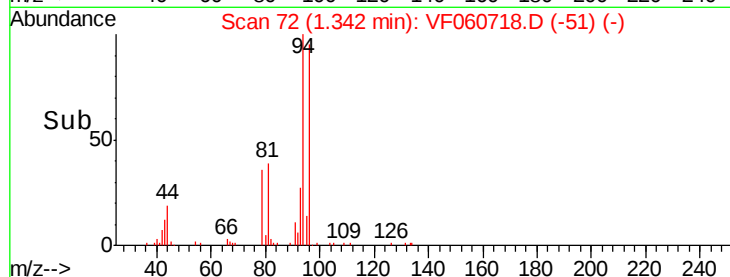
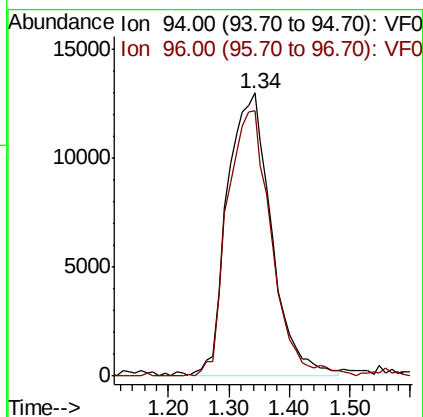
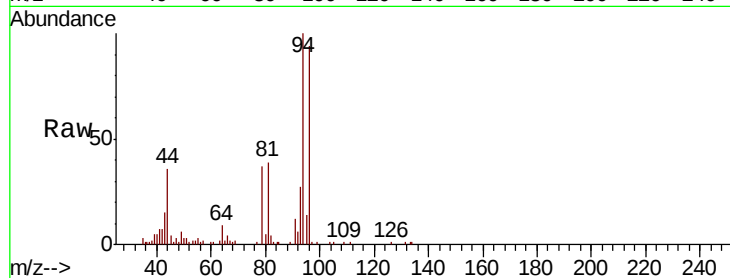
96 93.6 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 52.323 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060718.D

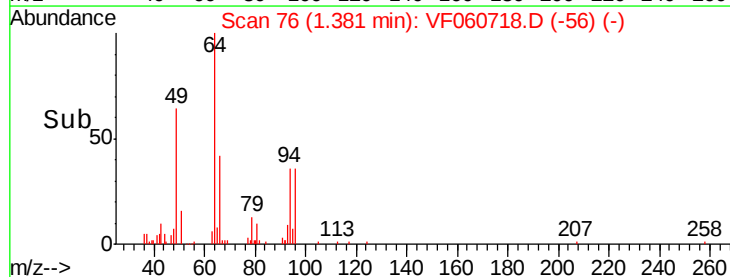
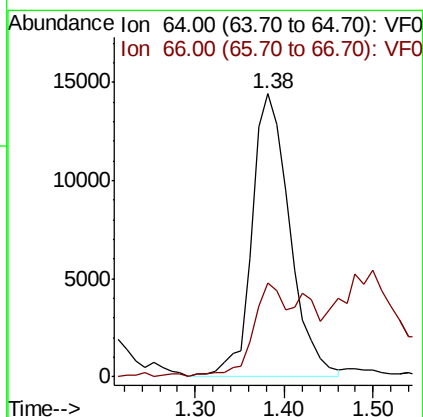
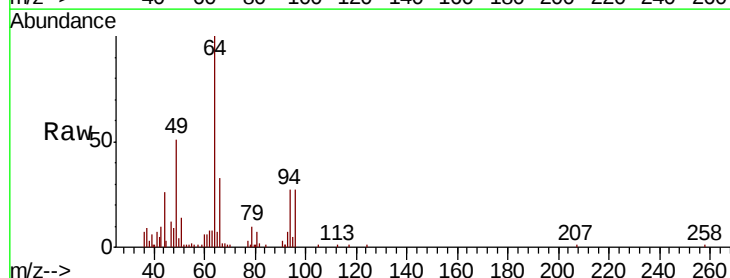
Acq: 13 Nov 2018 20:05

Tgt Ion: 64 Resp: 42217

Ion Ratio Lower Upper

64 100

66 33.2 24.8 37.2





#7

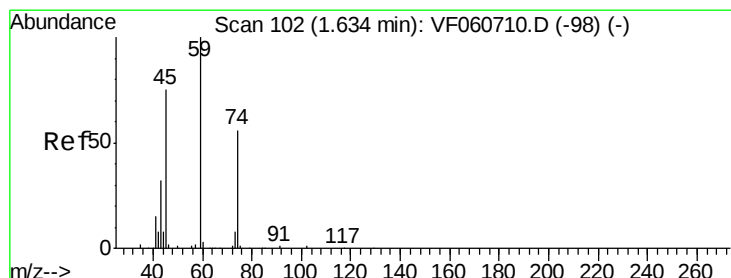
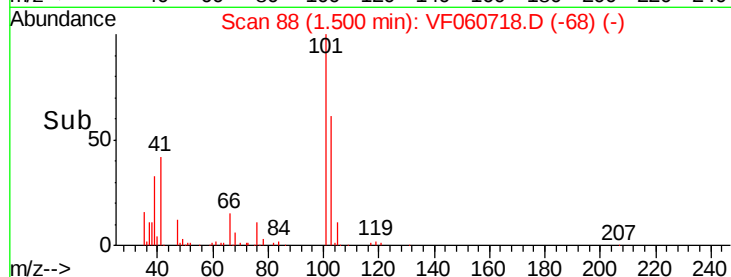
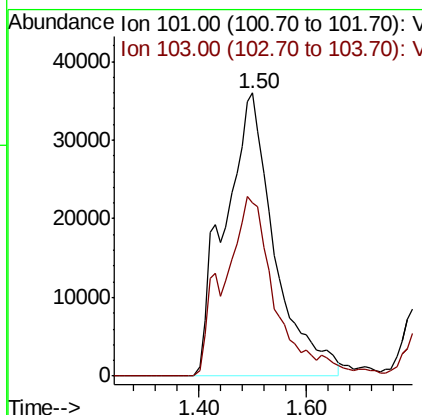
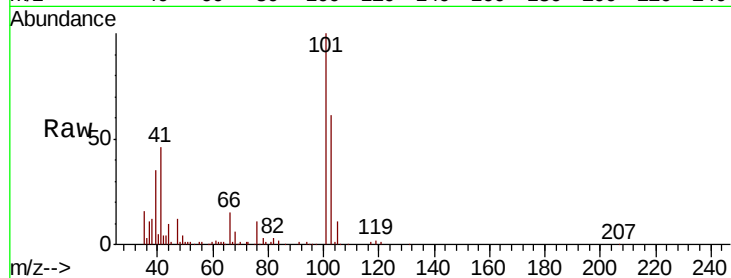
Trichlorofluoromethane
Concen: 50.565 ug/l
RT: 1.50 min Scan# 88
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	53.1	79.7

Manual Integrations
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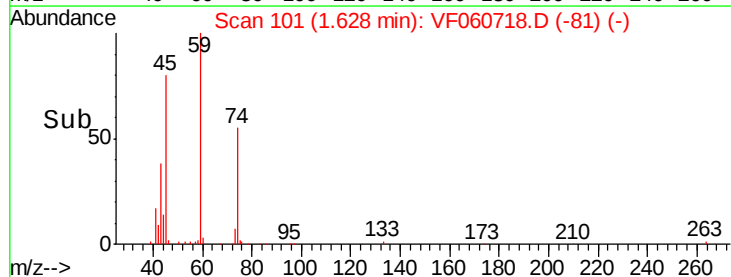
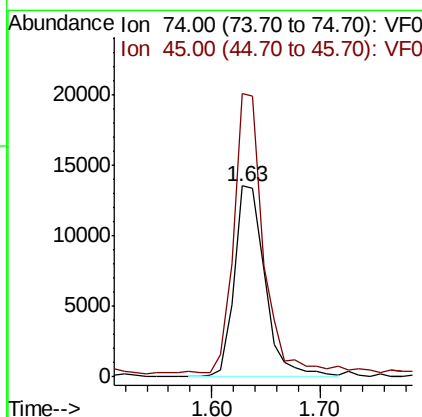
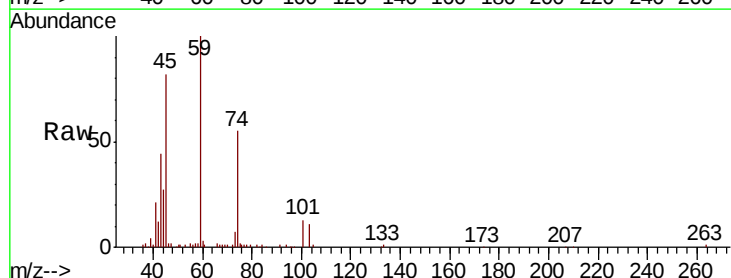
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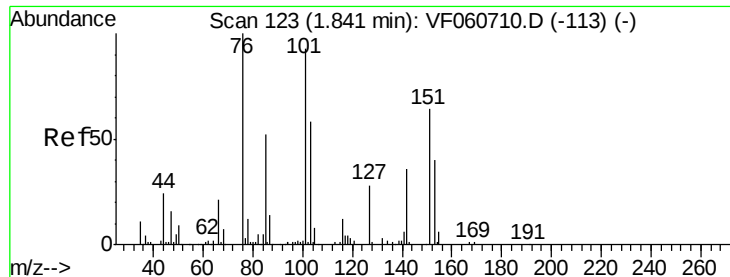


#8

Diethyl Ether
Concen: 45.941 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	148.5	67.7	203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.857 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060718.D

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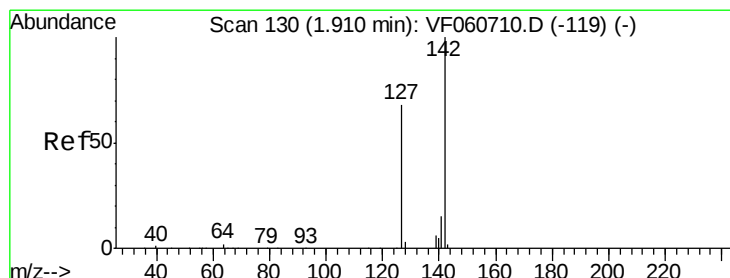
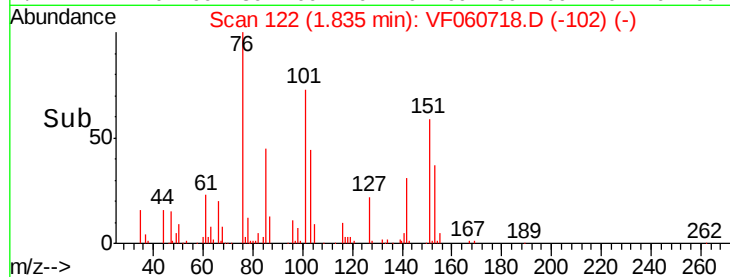
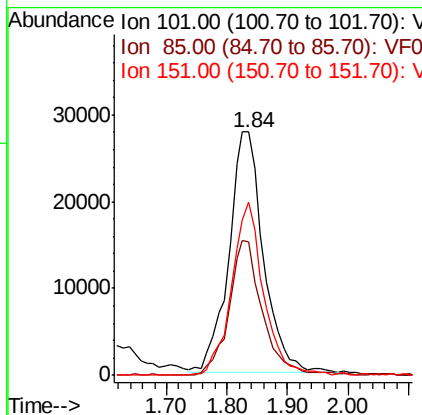
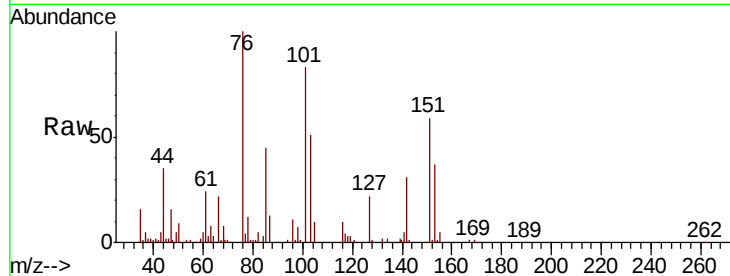
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	109291
Ion Ratio	Lower	Upper	
101	100		
85	54.9	43.6	65.4
151	71.3	53.1	79.7

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#10

Methyl Iodide

Concen: 48.234 ug/l m

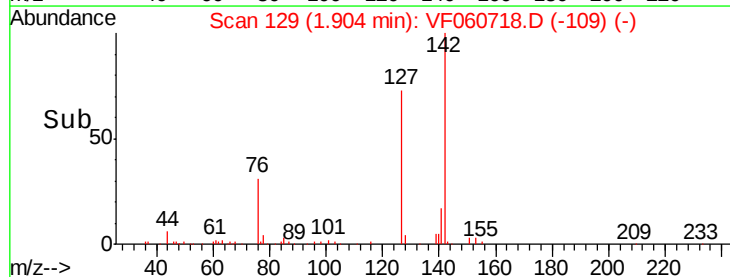
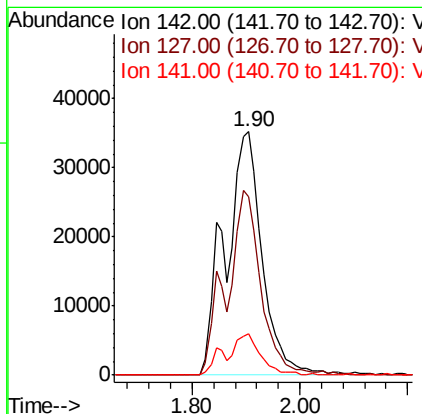
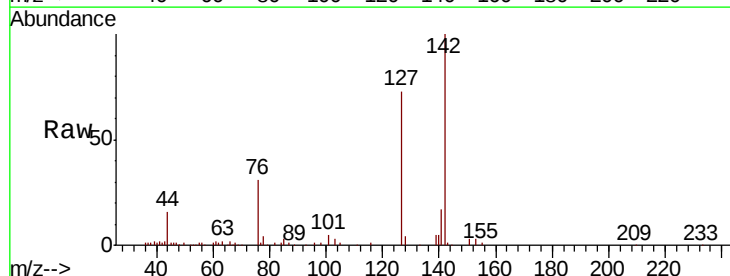
RT: 1.90 min Scan# 129

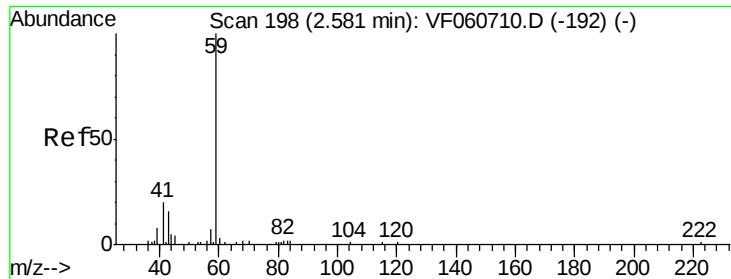
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	142	Resp:	166311
Ion Ratio	Lower	Upper	
142	100		
127	73.3	54.0	81.0
141	16.8	12.3	18.5





#11

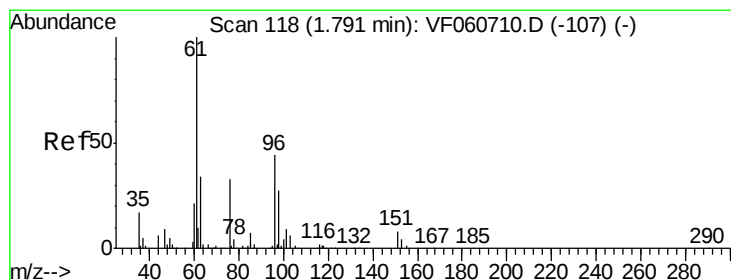
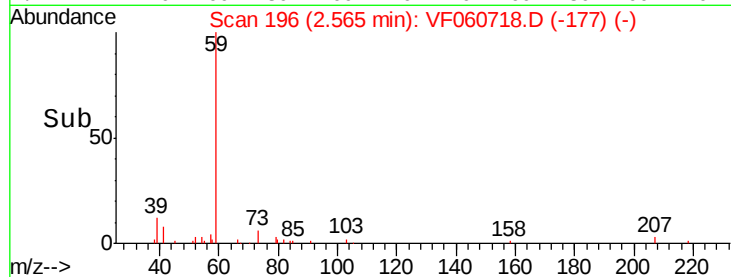
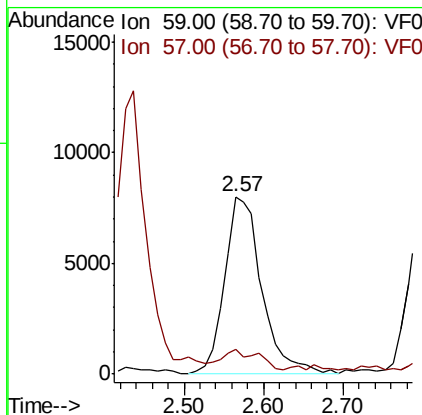
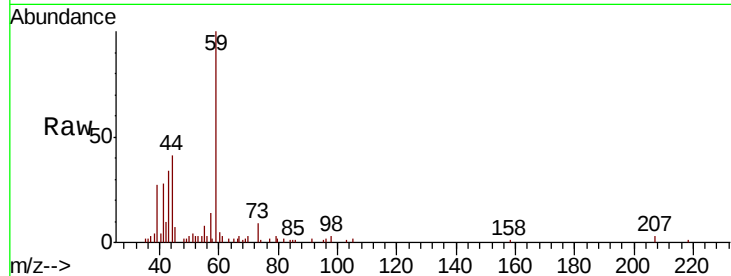
Tert butyl alcohol
Concen: 243.628 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 26268
Ion Ratio Lower Upper
59 100
57 13.8 10.5 15.7

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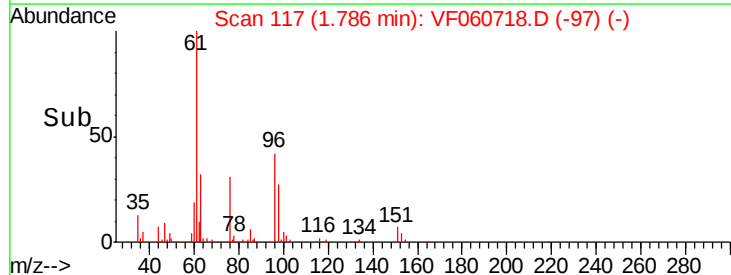
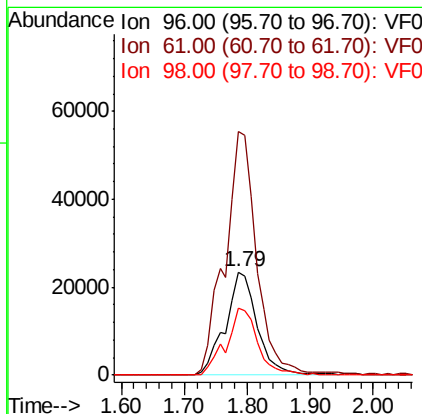
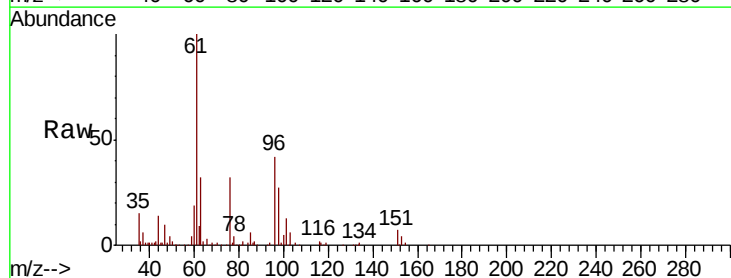
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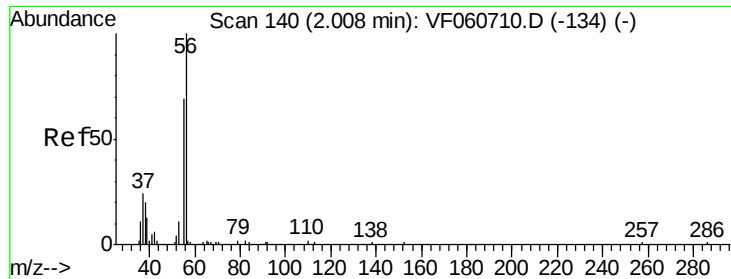


#12

1,1-Dichloroethene
Concen: 48.438 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 96 Resp: 82080
Ion Ratio Lower Upper
96 100
61 236.5 182.2 273.2
98 64.7 49.2 73.8





#13

Acrolein

Concen: 189.815 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18713

Ion Ratio Lower Upper

56 100

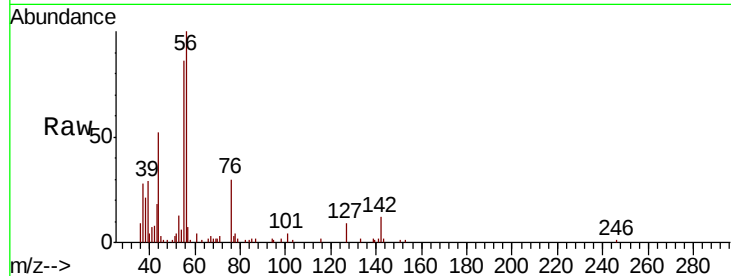
55 85.8 56.6 85.0#

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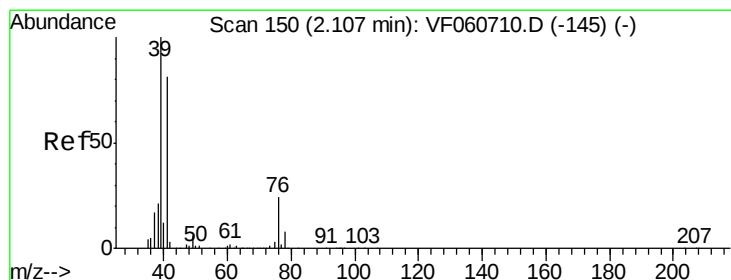
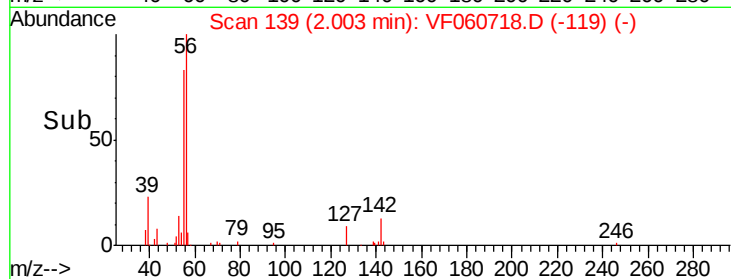
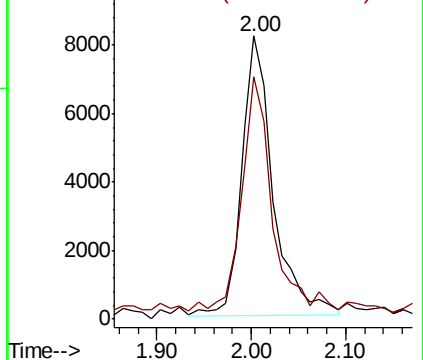
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 45.518 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

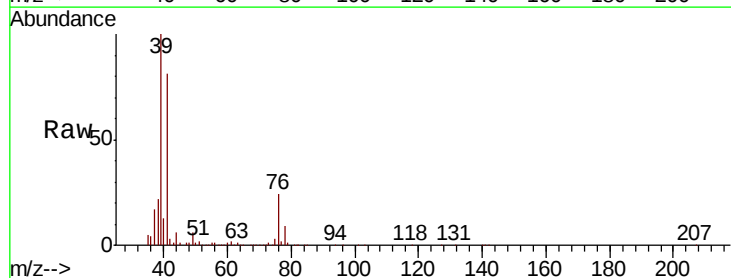
Tgt Ion: 41 Resp: 135124

Ion Ratio Lower Upper

41 100

39 122.9 98.5 147.7

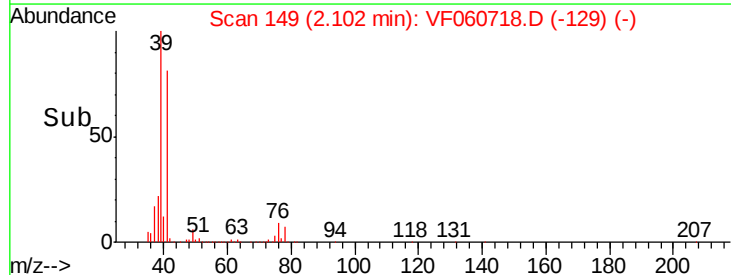
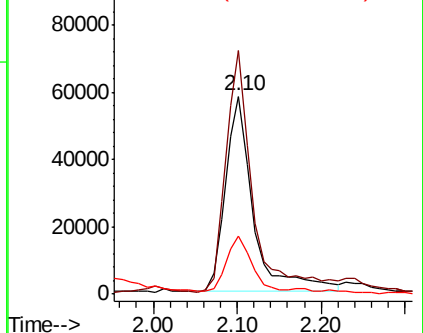
76 29.4 24.5 36.7

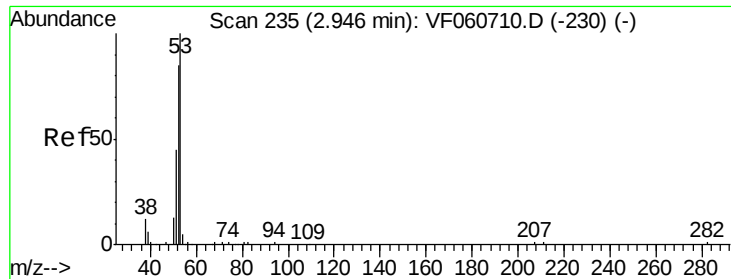


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 238.329 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

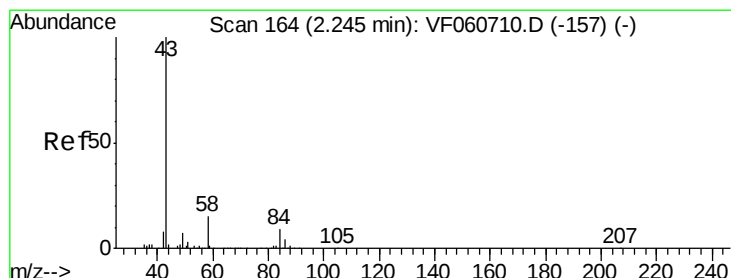
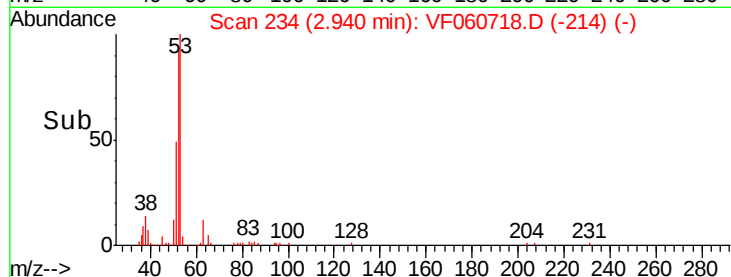
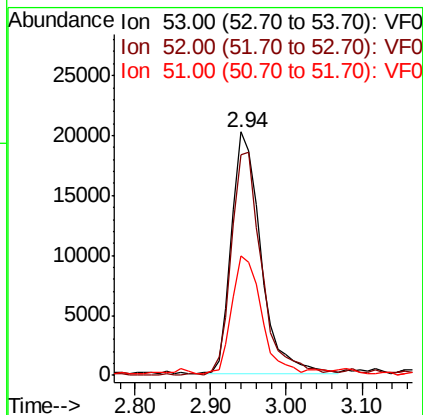
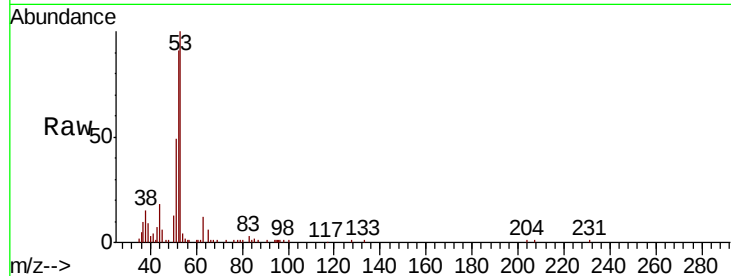
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	54756
Ion	Ratio	Lower	Upper
53	100		
52	90.7	68.8	103.2
51	49.1	36.7	55.1

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#16

Acetone

Concen: 232.566 ug/l

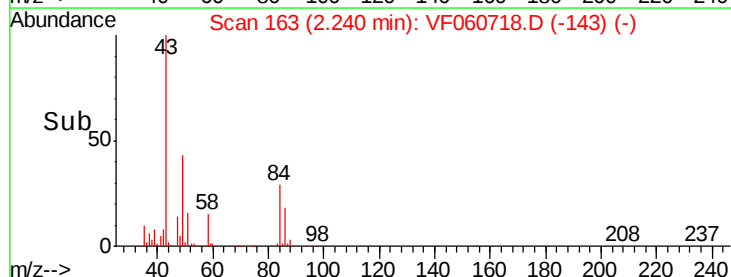
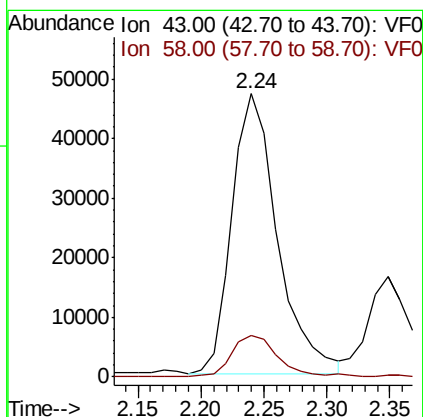
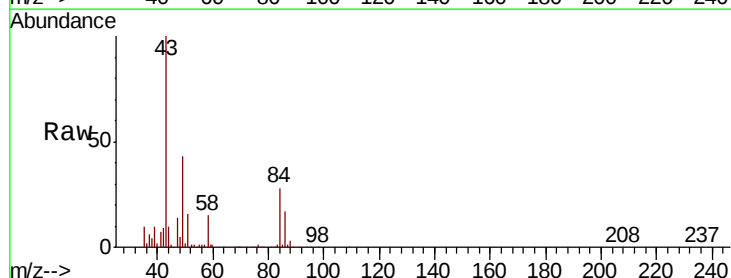
RT: 2.24 min Scan# 163

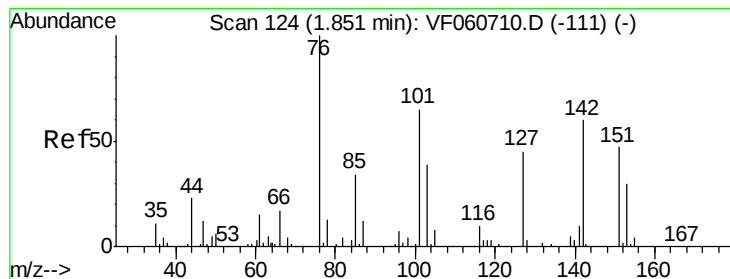
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	43	Resp:	117767
Ion	Ratio	Lower	Upper
43	100		
58	14.8	11.6	17.4





#17

Carbon Disulfide

Concen: 48.855 ug/l m

RT: 1.85 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 250212

Ion Ratio Lower Upper

76 100

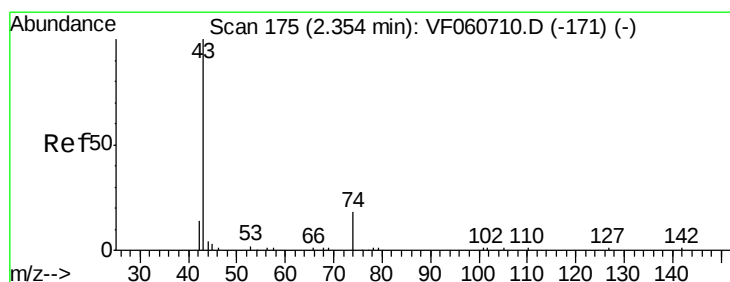
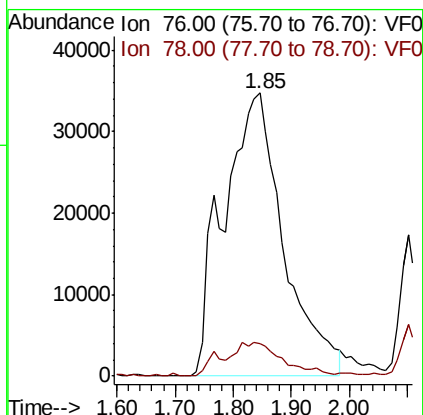
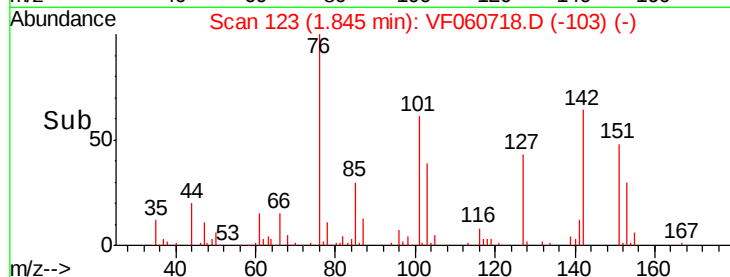
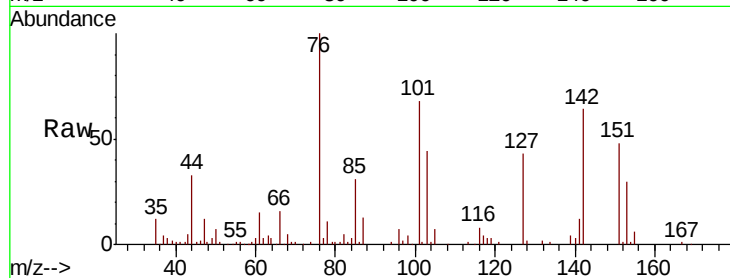
78 11.4 10.5 15.7

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#18

Methyl Acetate

Concen: 43.766 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF060718.D

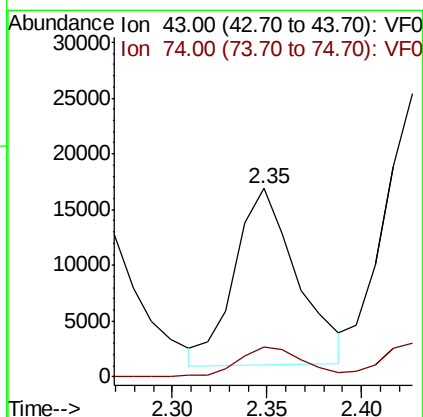
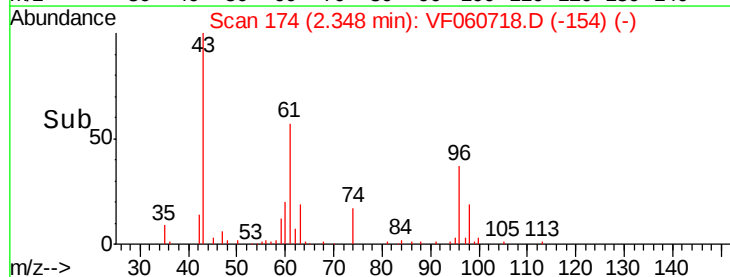
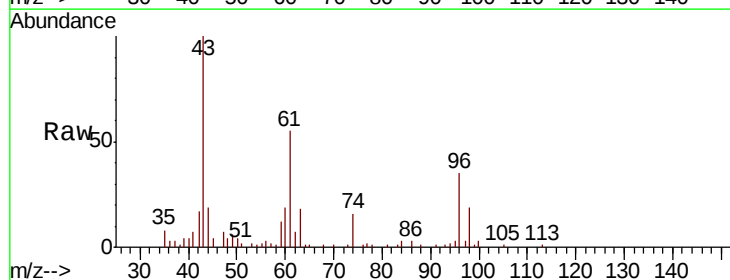
Acq: 13 Nov 2018 20:05

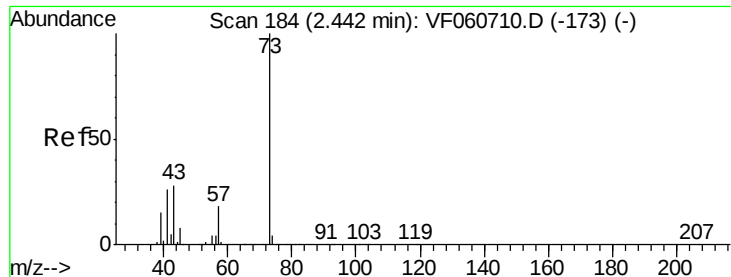
Tgt Ion: 43 Resp: 36391

Ion Ratio Lower Upper

43 100

74 16.0 11.8 17.8





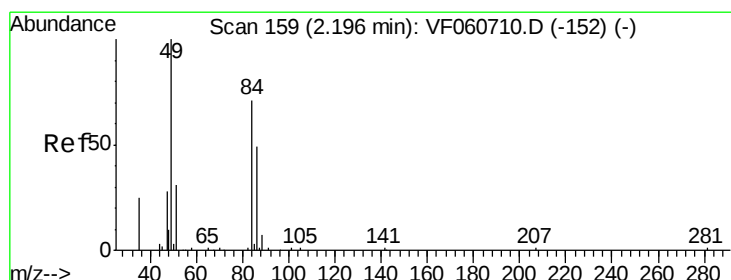
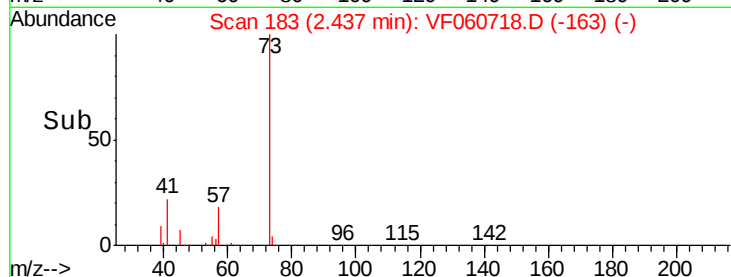
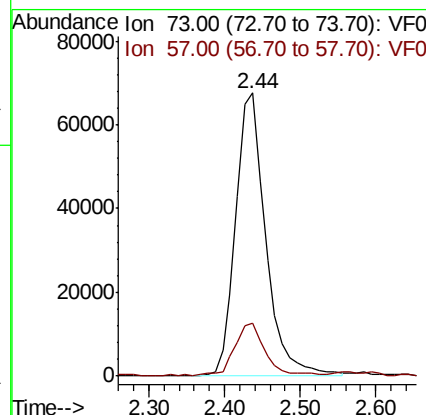
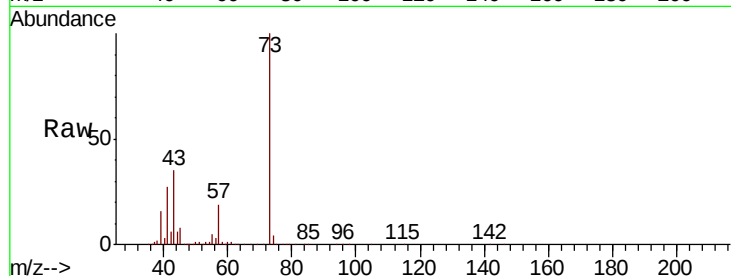
#19
Methvl tert-butvl Ether
Concen: 45.799 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.3	21.5

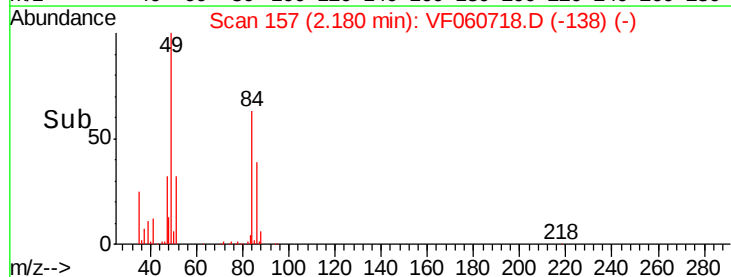
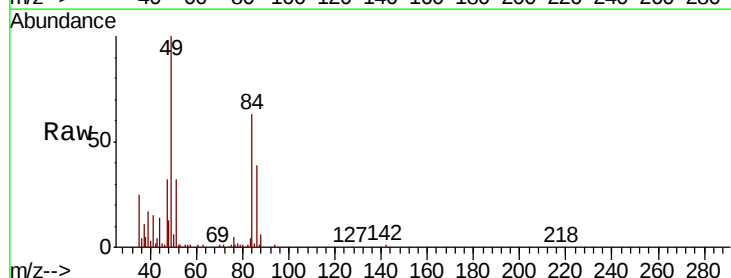
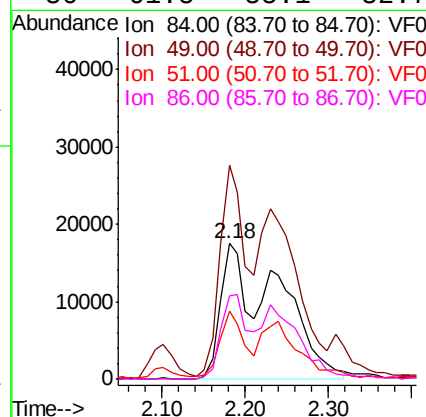
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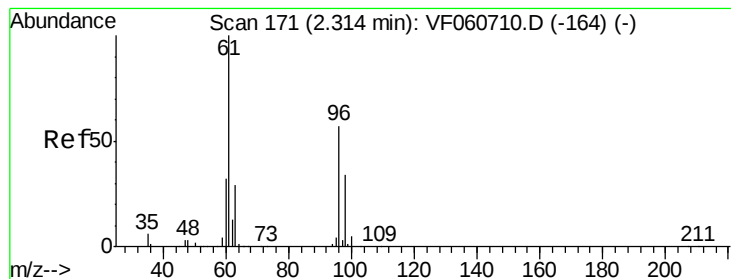
sam
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#20
Methylene Chloride
Concen: 49.587 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.9	120.2	180.4
51	50.2	37.2	55.8
86	61.5	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 49.182 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 87072

Ion Ratio Lower Upper

96 100

61 168.2 141.6 212.4

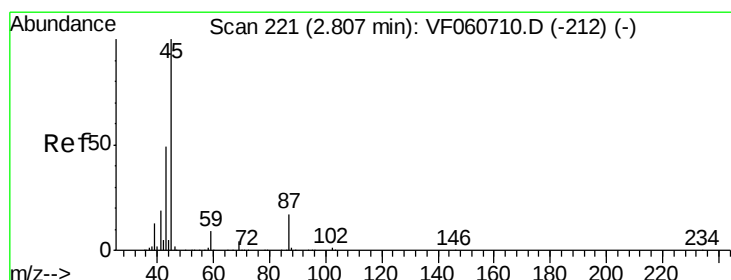
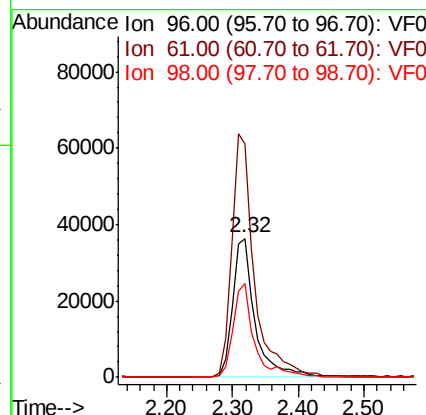
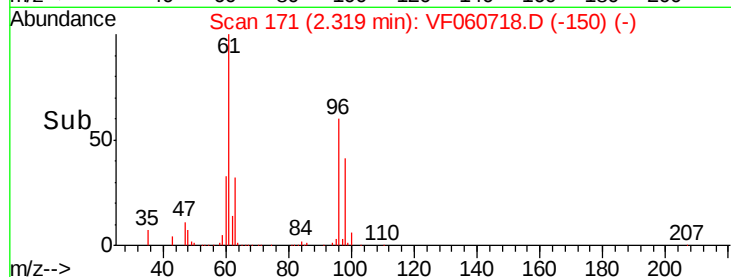
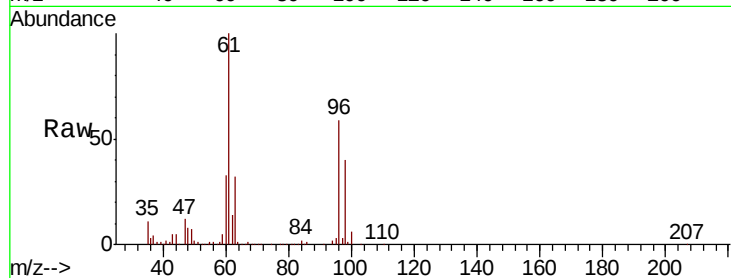
98 67.8 47.4 71.0

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#22

Diisopropyl ether

Concen: 48.043 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion: 45 Resp: 275348

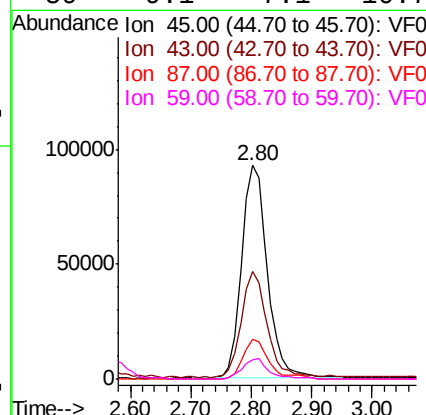
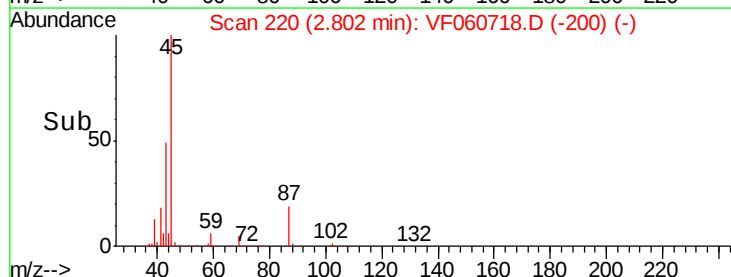
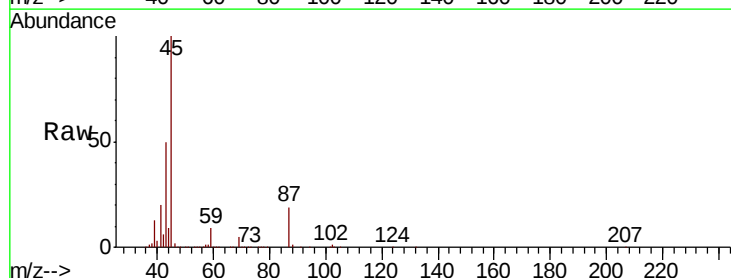
Ion Ratio Lower Upper

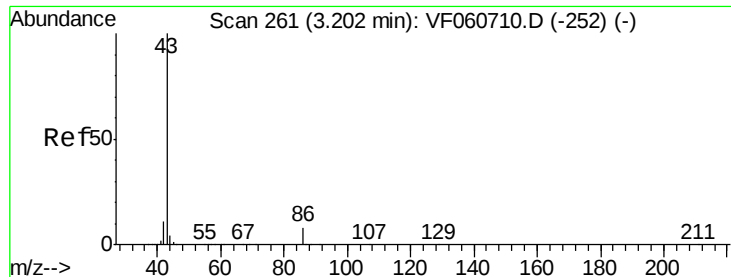
45 100

43 50.2 39.9 59.9

87 18.6 13.9 20.9

59 9.1 7.1 10.7





#23

Vinyl Acetate

Concen: 251.724 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 679367

Ion Ratio Lower Upper

43 100

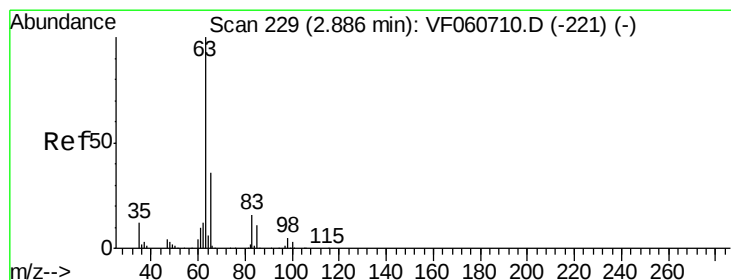
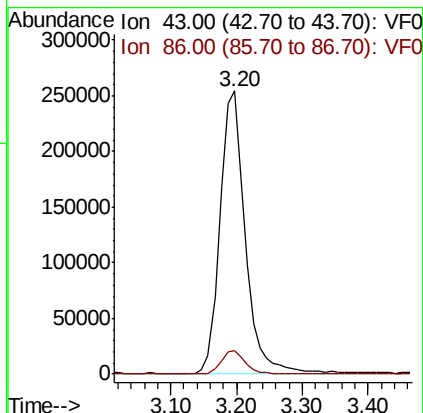
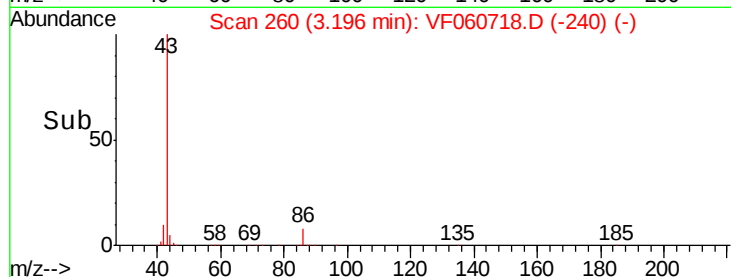
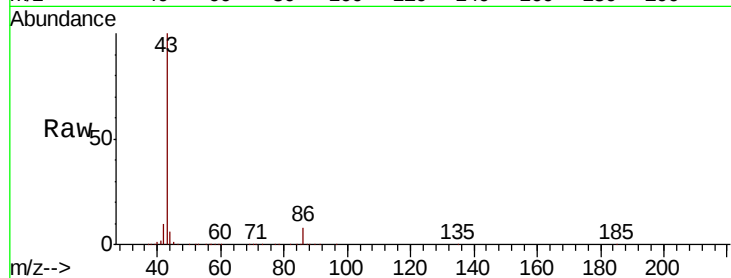
86 8.2 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 49.701 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

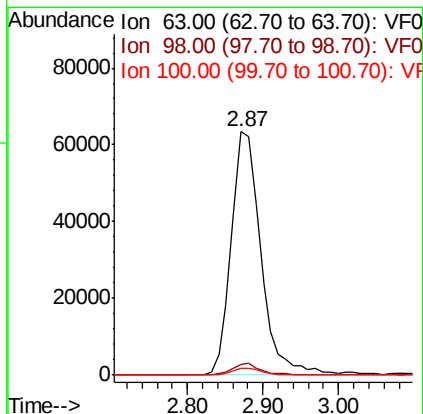
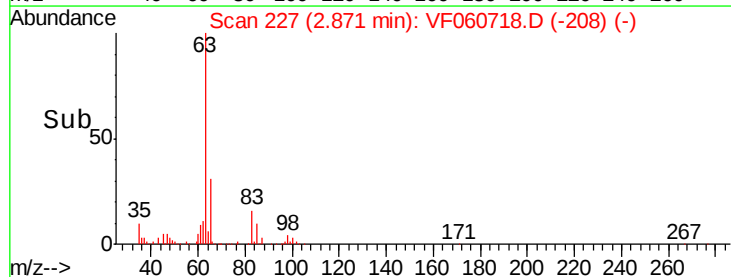
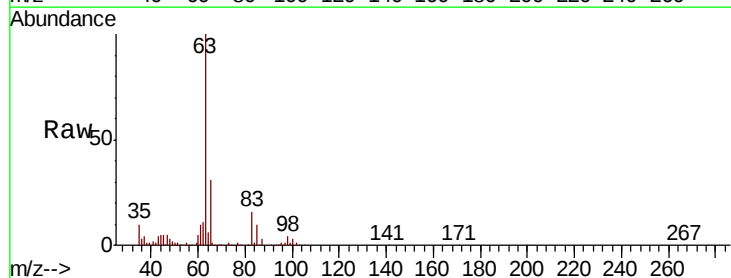
Tgt Ion: 63 Resp: 172454

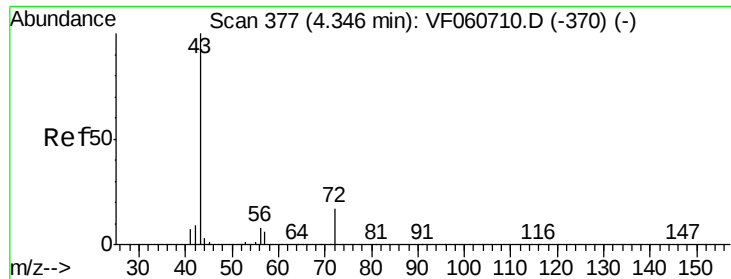
Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

100 2.8 1.4 4.2





#25

2-Butanone

Concen: 235.246 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 195939

Ion Ratio Lower Upper

43 100

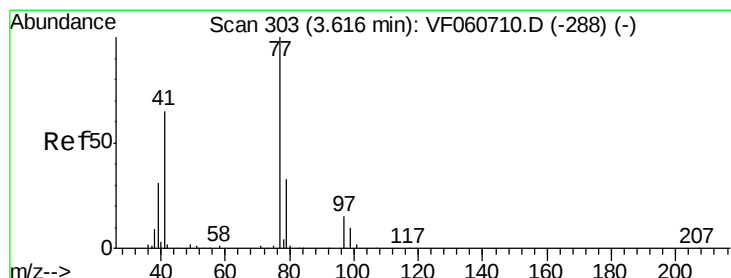
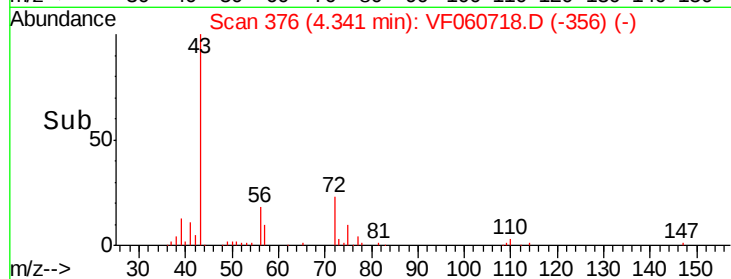
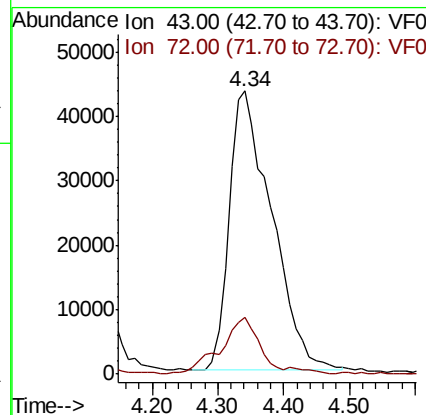
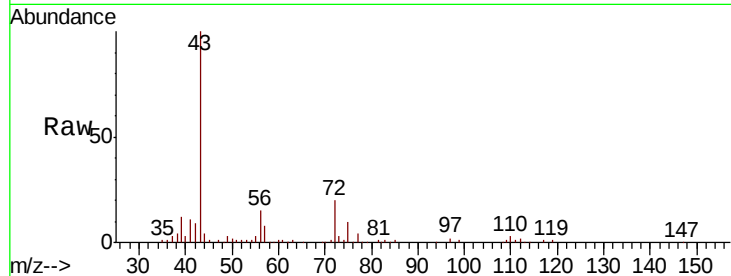
72 19.9 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.840 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060718.D

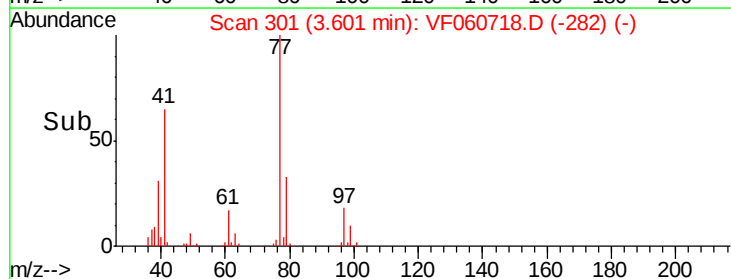
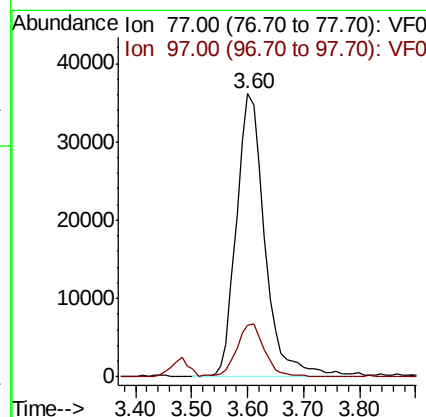
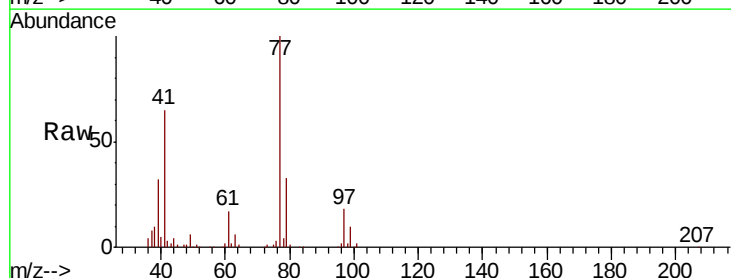
Acq: 13 Nov 2018 20:05

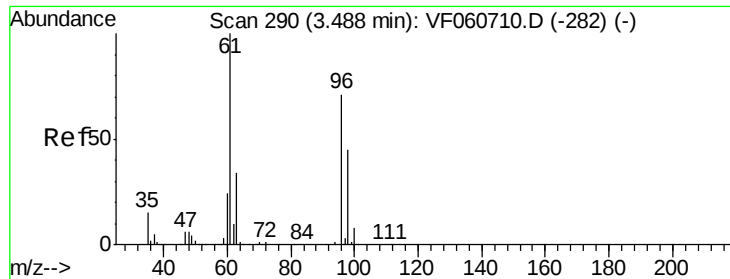
Tgt Ion: 77 Resp: 127896

Ion Ratio Lower Upper

77 100

97 18.4 8.8 26.5





#27

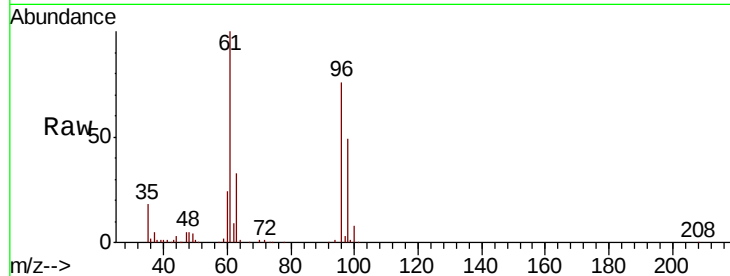
cis-1,2-Dichloroethene
 Concen: 49.651 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	149534		
61	132.2	0.0	280.6	
98	64.8	0.0	127.6	

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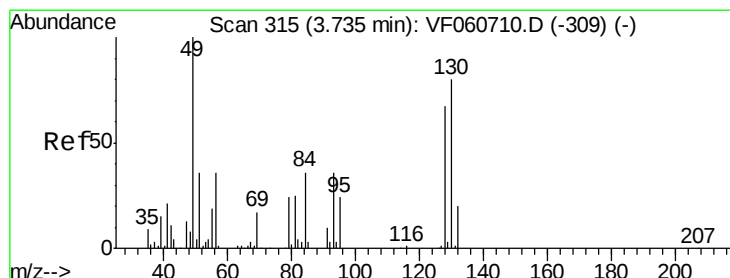
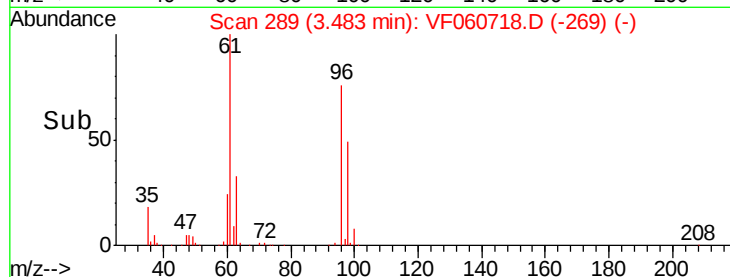
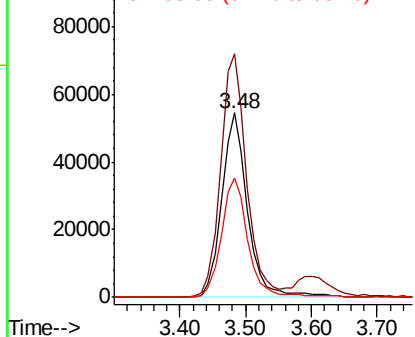


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

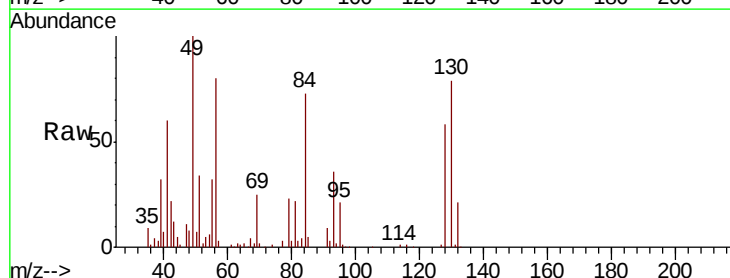
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 51.519 ug/l
 RT: 3.73 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92902		
129	0.0	0.0	5.2	
130	78.8	63.9	95.9	

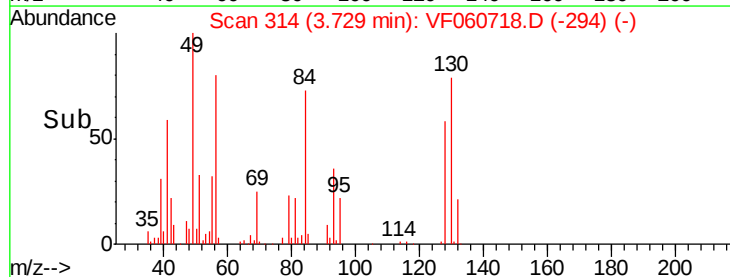
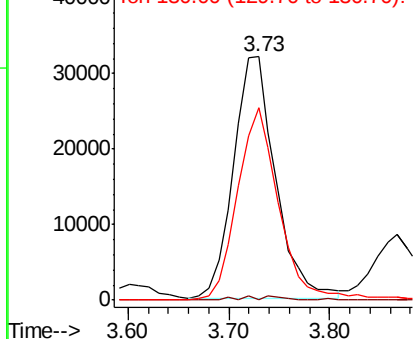


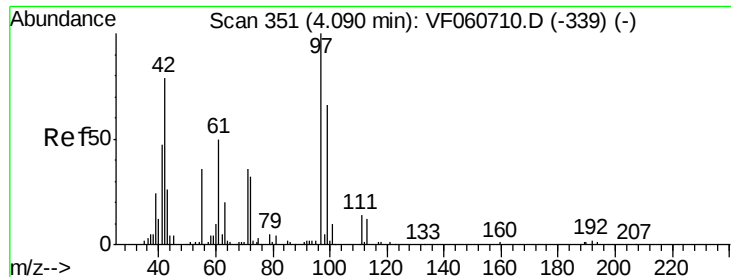
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 228.407 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

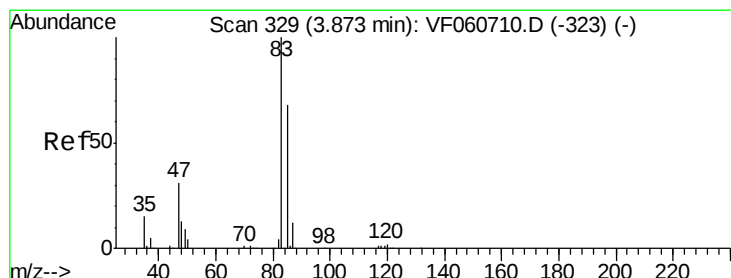
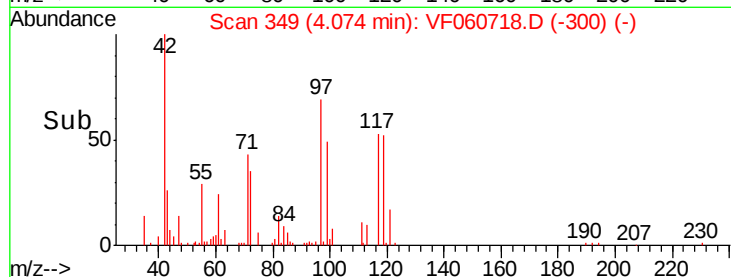
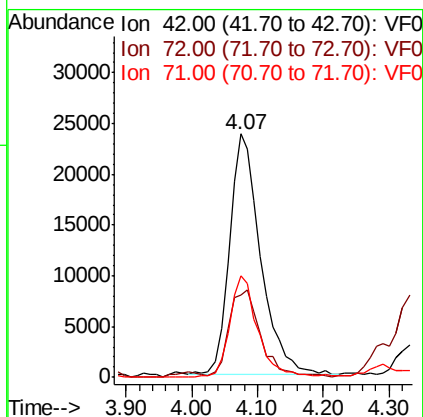
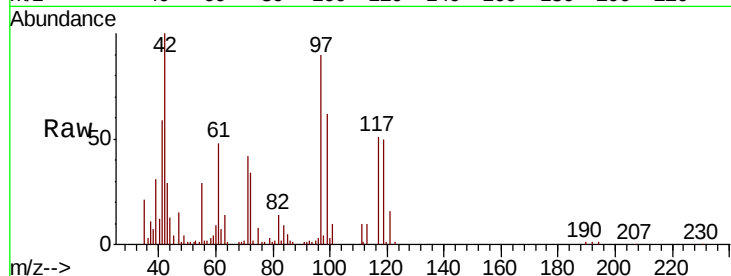
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	78472
Ion Ratio	Lower	Upper	
42	100		
72	37.6	30.3	45.5
71	38.2	32.2	48.2

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#30

Chloroform

Concen: 48.915 ug/l

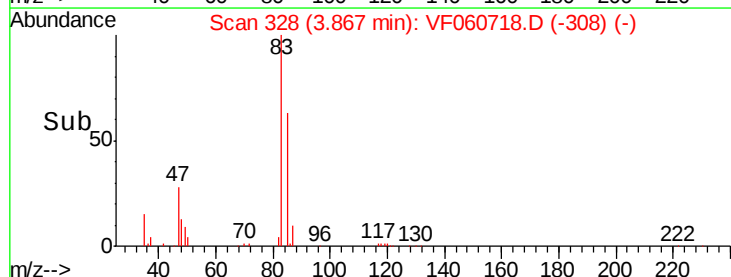
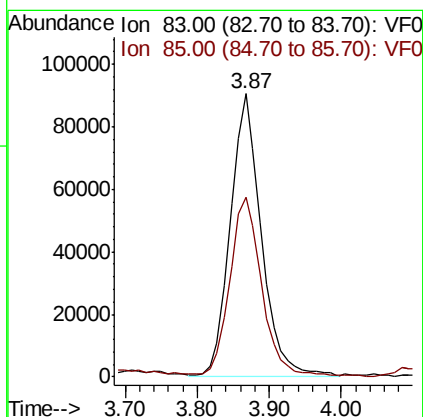
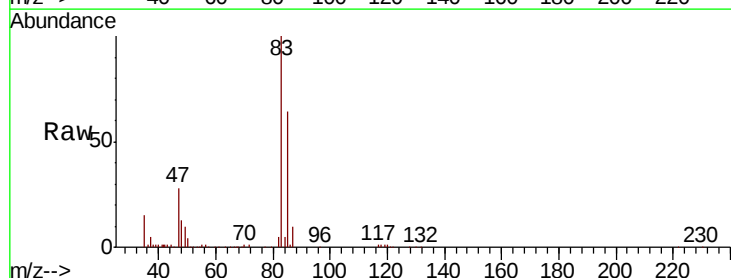
RT: 3.87 min Scan# 328

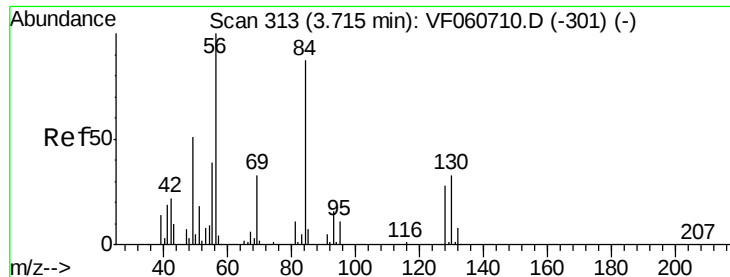
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	83	Resp:	272321
Ion Ratio	Lower	Upper	
83	100		
85	63.6	54.6	82.0





#31

Cyclohexane

Concen: 49.486 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

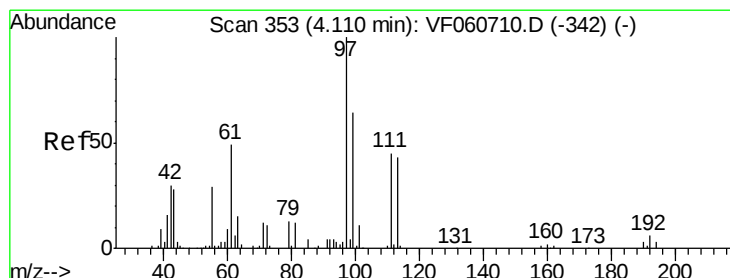
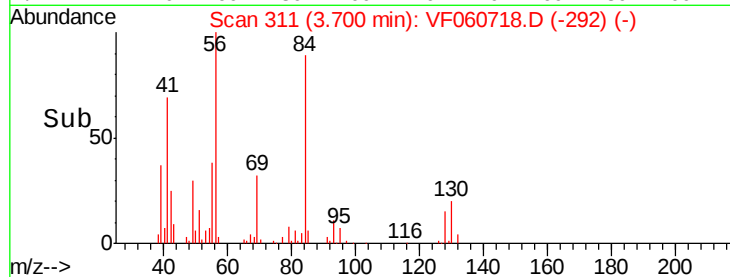
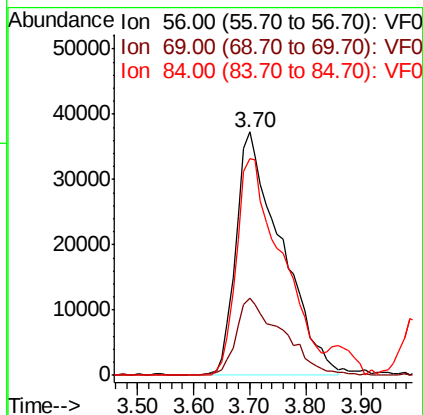
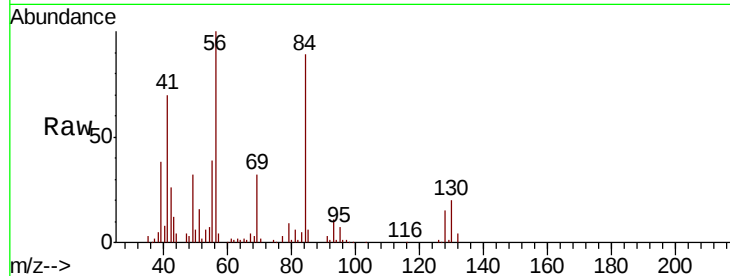
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	208399
Ion Ratio		Lower	Upper
56	100		
69	31.6	26.0	39.0
84	89.0	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.845 ug/l

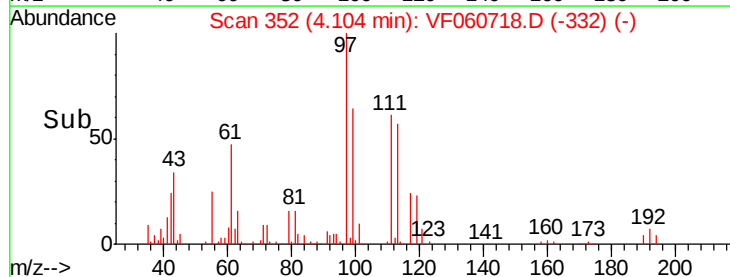
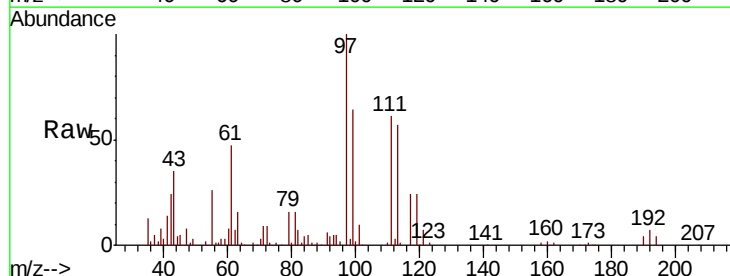
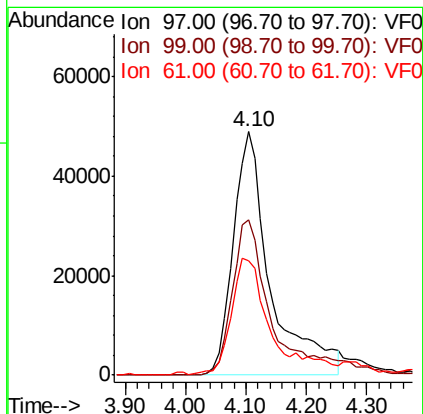
RT: 4.10 min Scan# 352

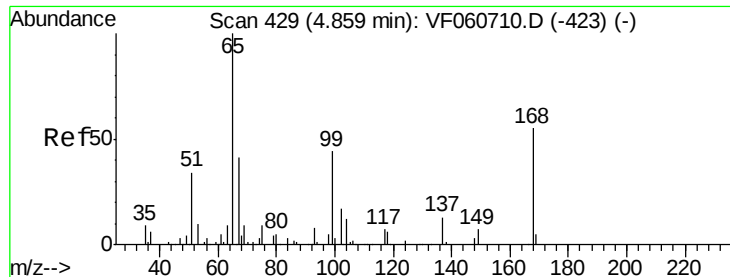
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	97	Resp:	209755
Ion Ratio		Lower	Upper
97	100		
99	63.5	51.1	76.7
61	47.1	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 48.073 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 113890

Ion Ratio Lower Upper

65 100

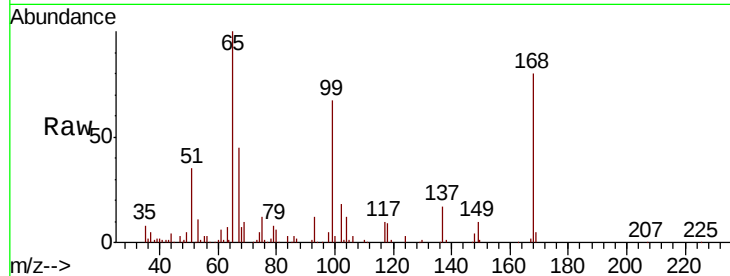
67 45.5 0.0 90.2

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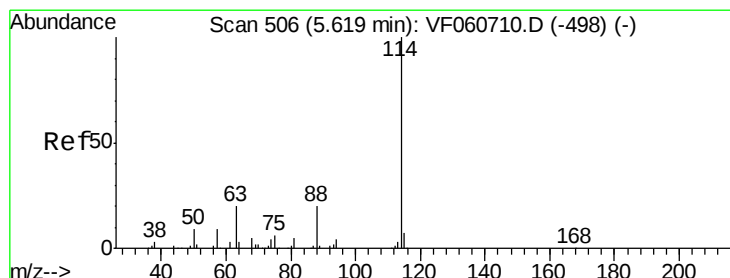
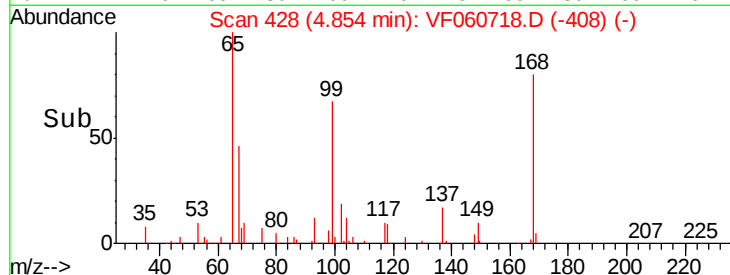
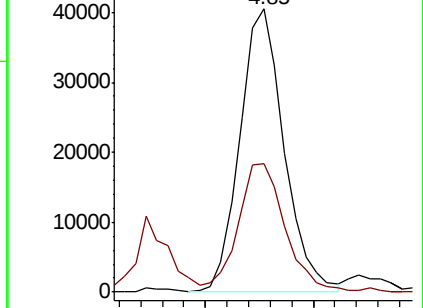
sam

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

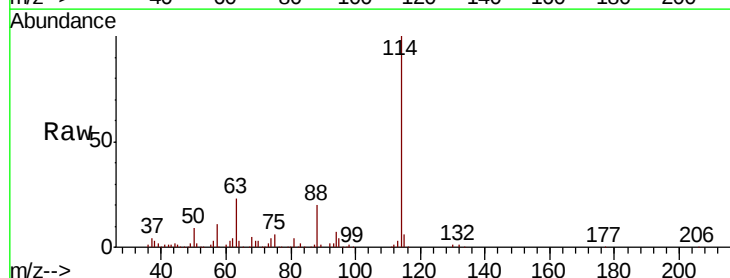
Tgt Ion:114 Resp: 345778

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

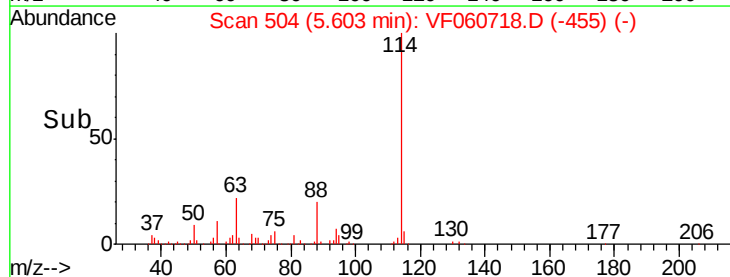
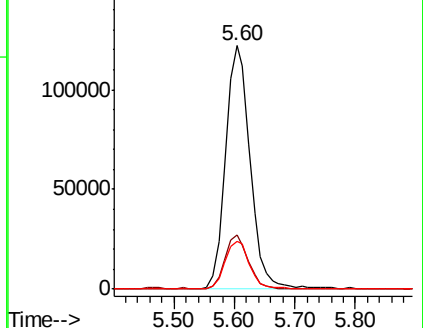
88 19.5 0.0 39.6

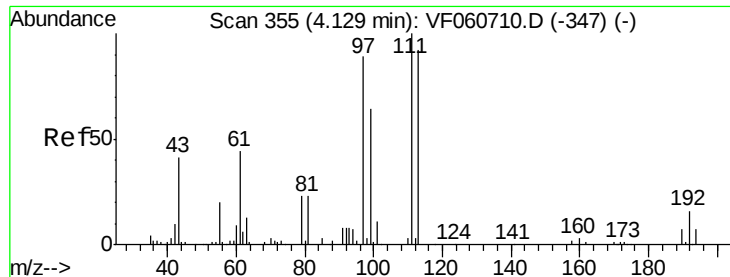


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.299 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

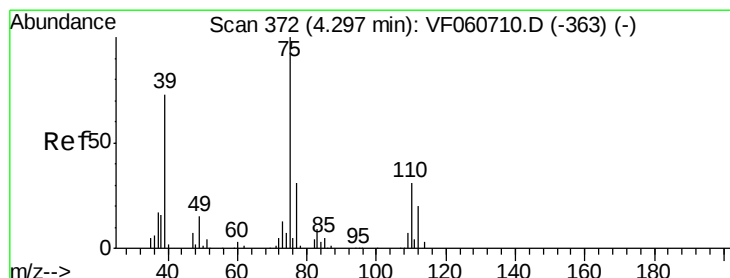
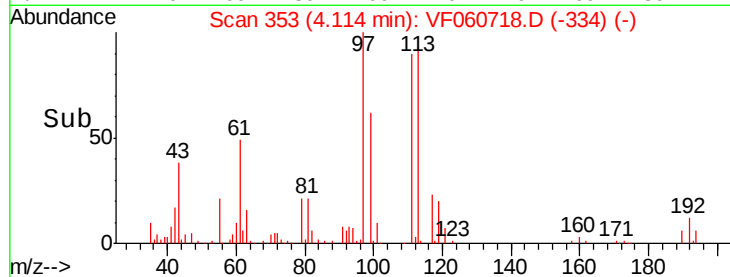
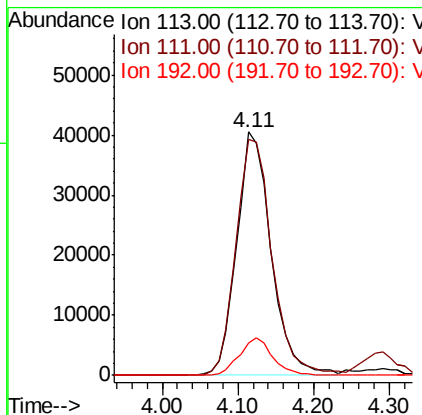
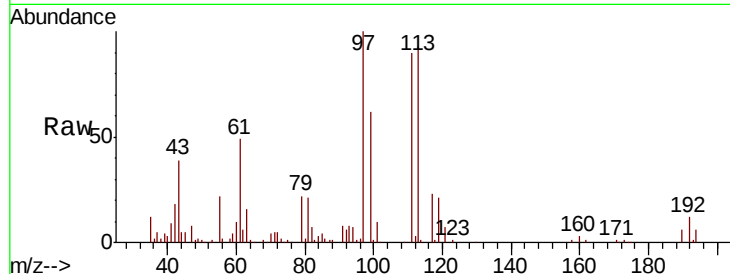
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128137		
111	96.7	87.1	130.7	
192	13.1	13.8	20.6	

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#36

1,1-Dichloropropene

Concen: 49.568 ug/l

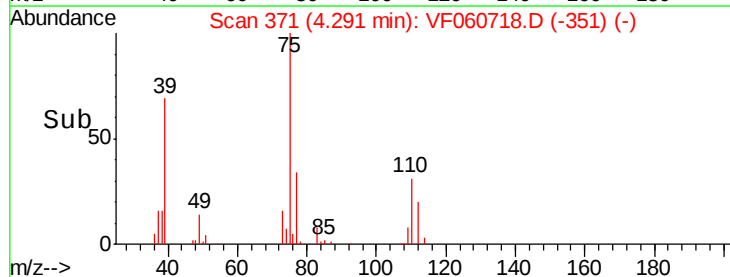
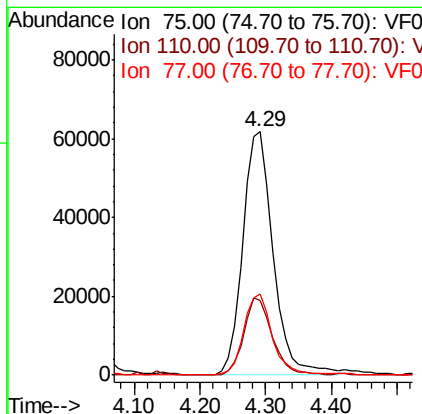
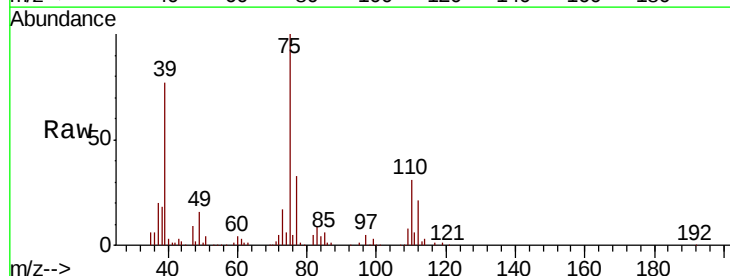
RT: 4.29 min Scan# 371

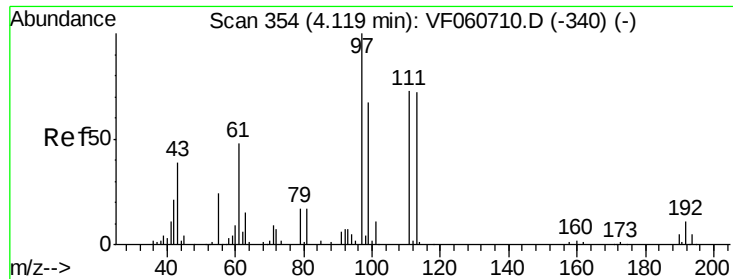
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198777		
110	30.7	15.6	46.8	
77	33.5	25.0	37.6	





#37

Ethyl Acetate

Concen: 48.628 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

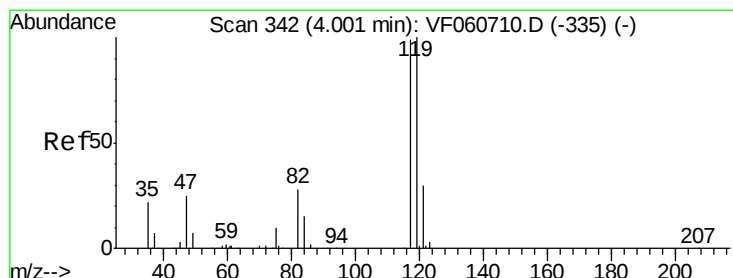
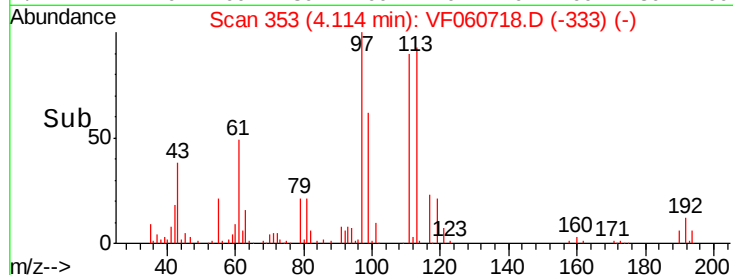
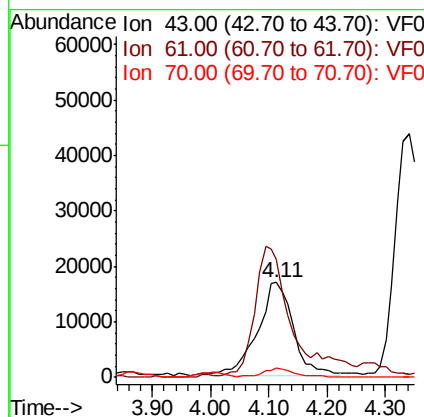
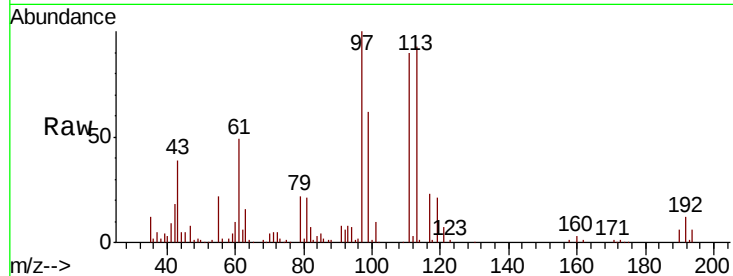
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	72499
Ion	Ratio	Lower	Upper
43	100		
61	124.5	98.5	147.7
70	10.0	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 48.831 ug/l

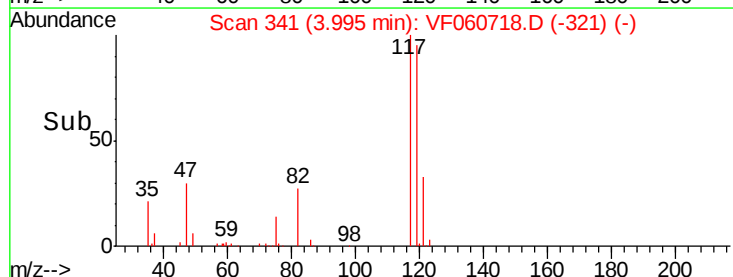
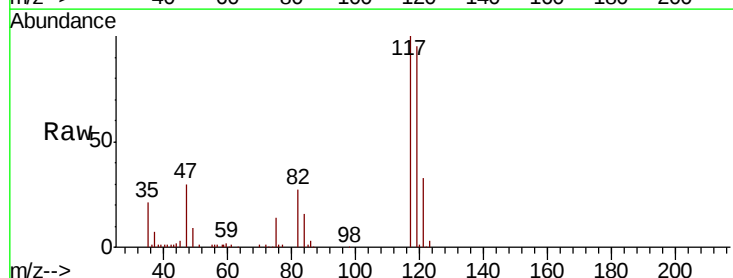
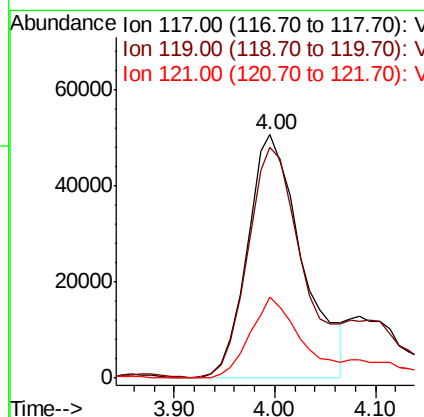
RT: 4.00 min Scan# 341

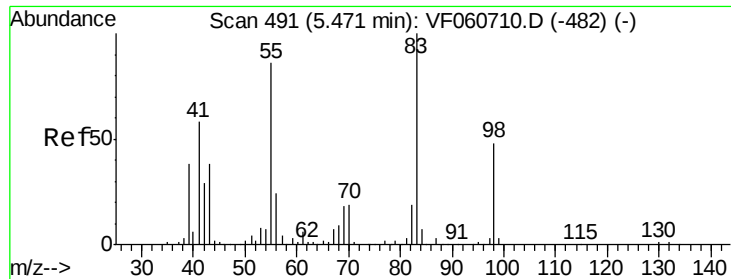
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	117	Resp:	190008
Ion	Ratio	Lower	Upper
117	100		
119	94.6	80.7	121.1
121	33.2	24.3	36.5





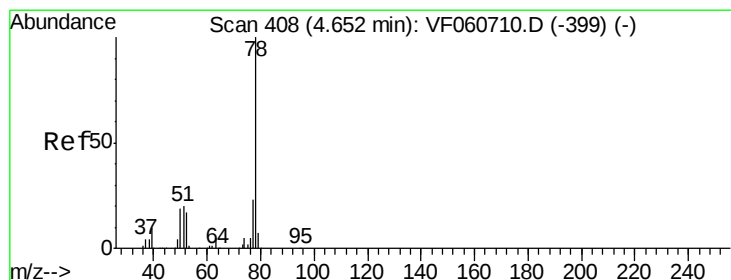
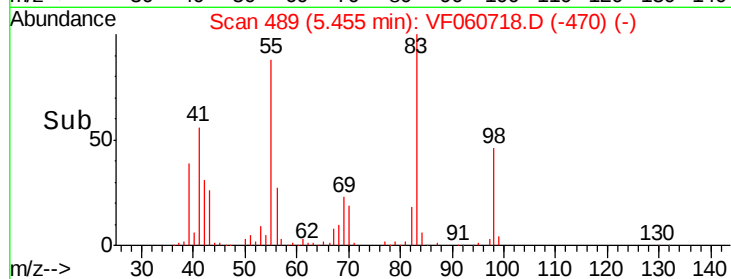
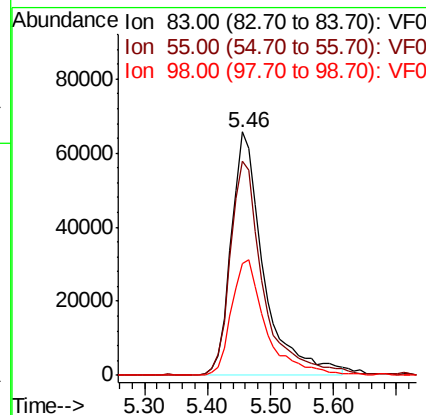
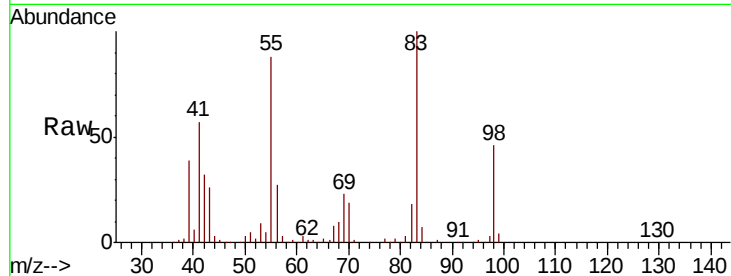
#39
Methvlcvclohexane
Concen: 50.696 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	235859
Ion Ratio	Lower	Upper	
83	100		
55	88.2	69.0	103.4
98	45.7	38.5	57.7

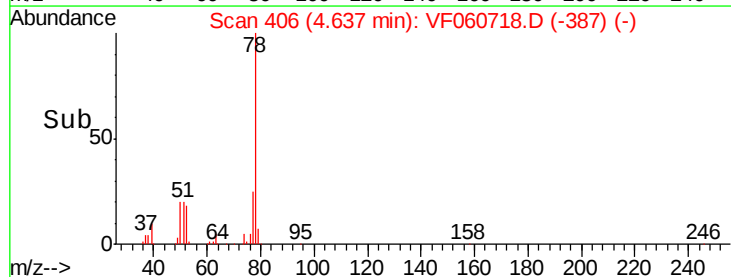
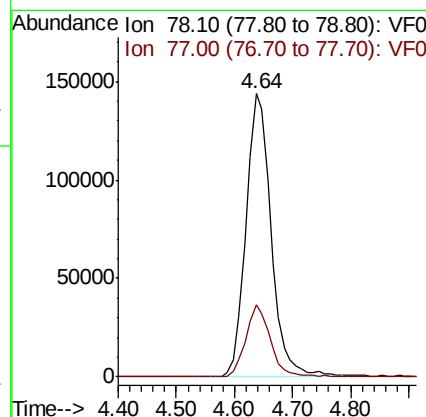
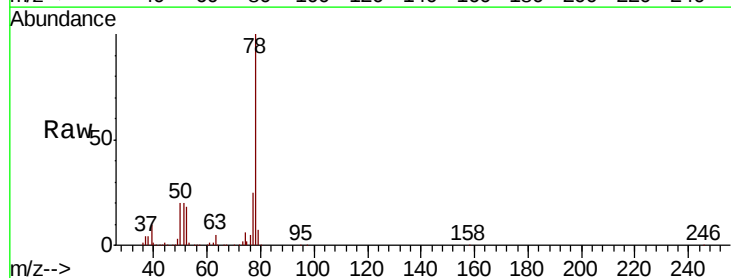
Manual Integrations
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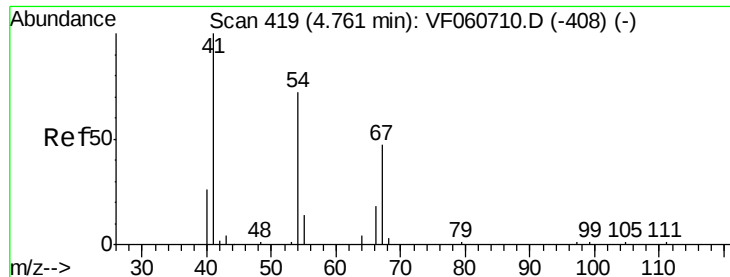
sam
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#40
Benzene
Concen: 48.621 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	78	Resp	434633
Ion Ratio	Lower	Upper	
78	100		
77	25.3	18.6	28.0





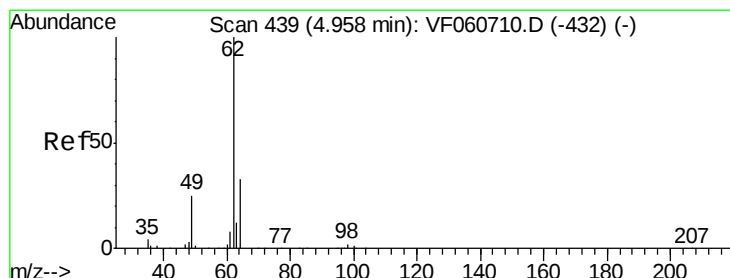
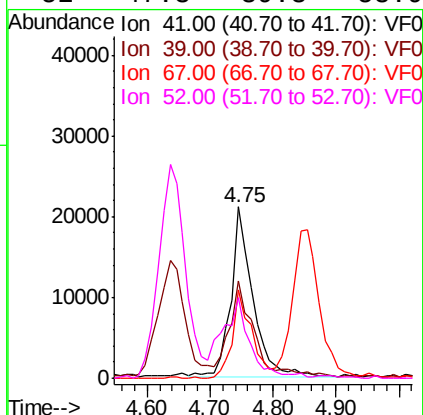
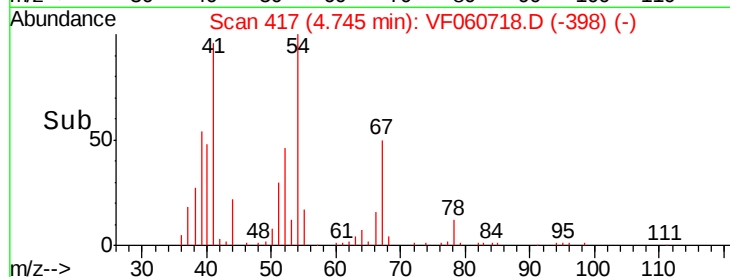
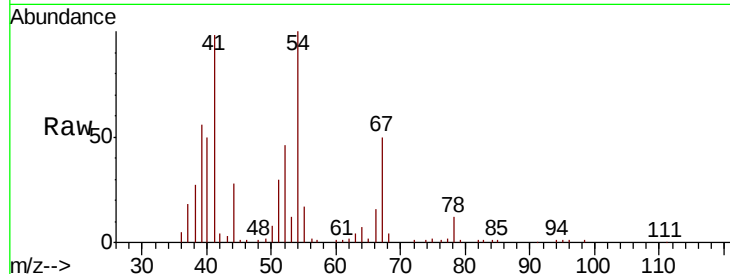
#41
Methacrylonitrile
Concen: 63.676 ug/l
RT: 4.75 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	49674
Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.1	70.7
67	51.6	37.1	55.7
52	47.3	39.3	58.9

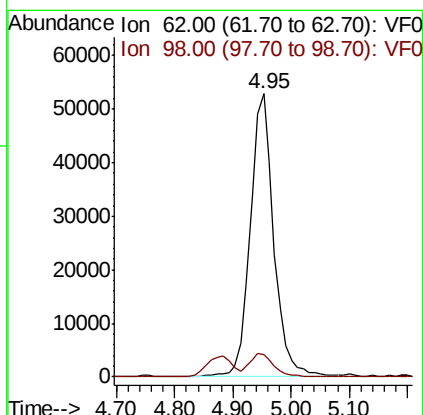
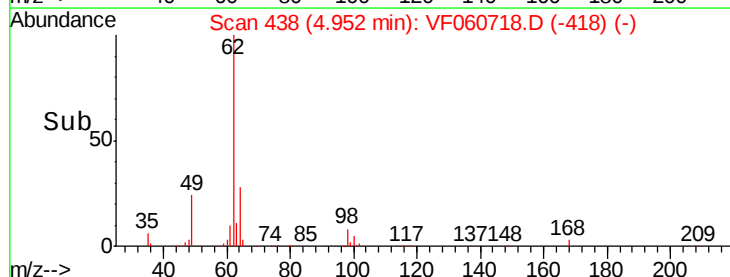
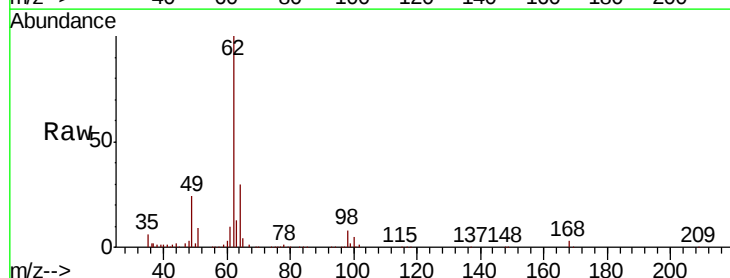
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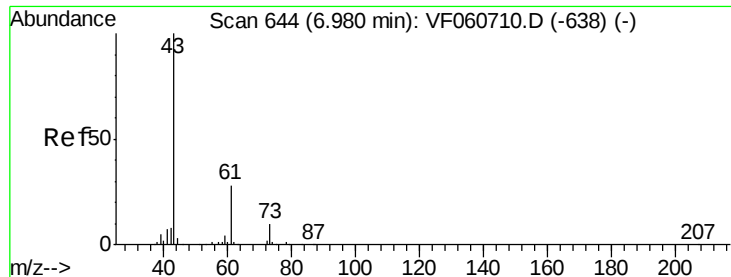
sam
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#42
1,2-Dichloroethane
Concen: 48.851 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion:	62	Resp:	150907
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

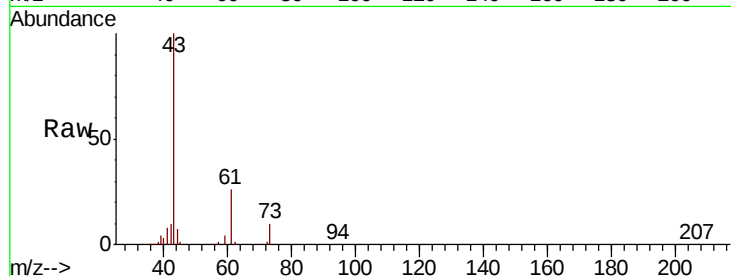
Isopropyl Acetate
 Concen: 43.577 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	22.2	33.4
87	0.0	0.4	0.6

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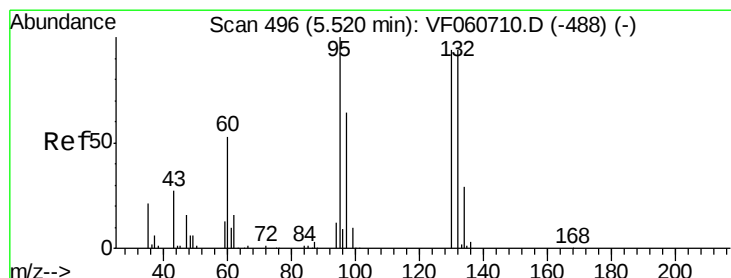
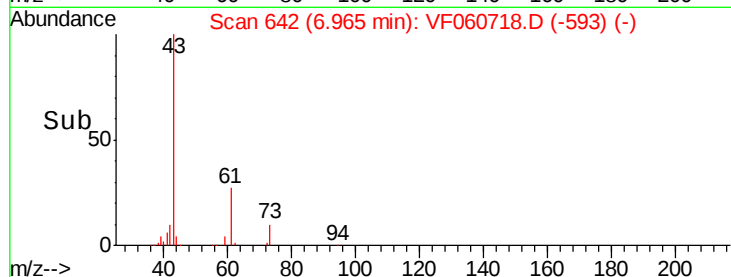
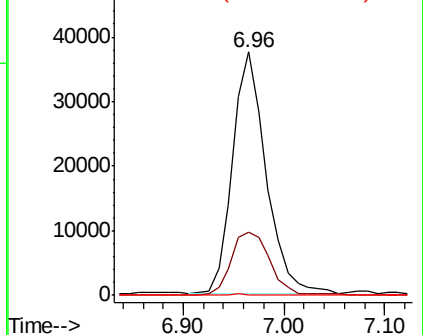


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

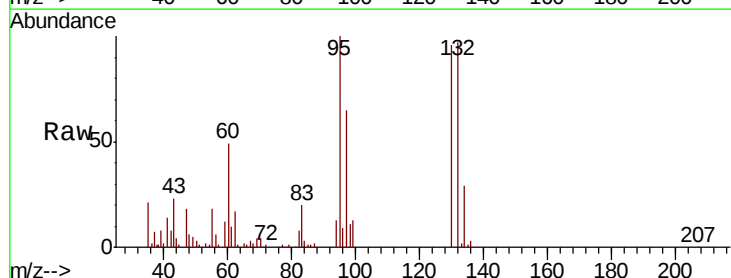
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene
 Concen: 48.771 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

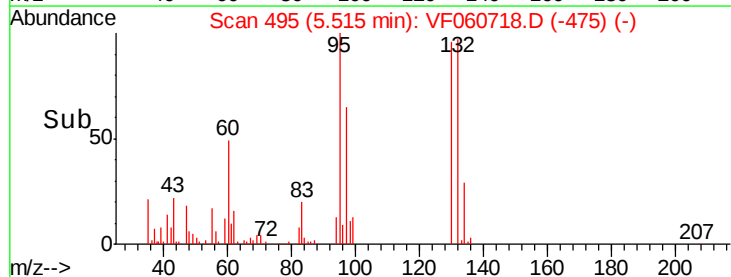
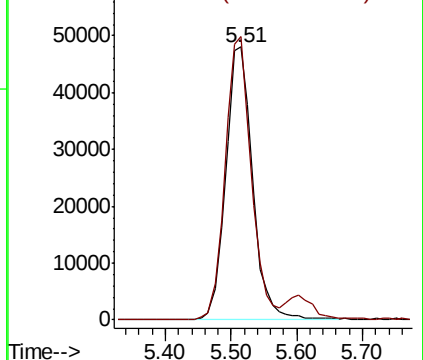
Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	212.6

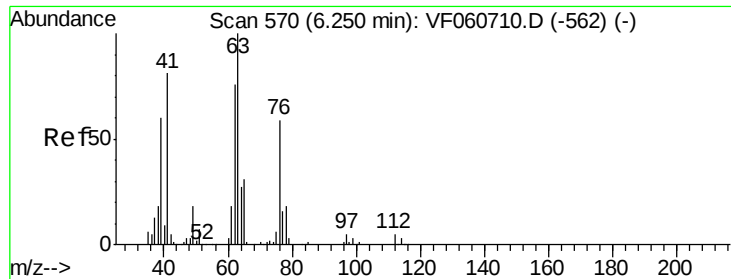


Abundance

Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.727 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 113346

Ion Ratio Lower Upper

63 100

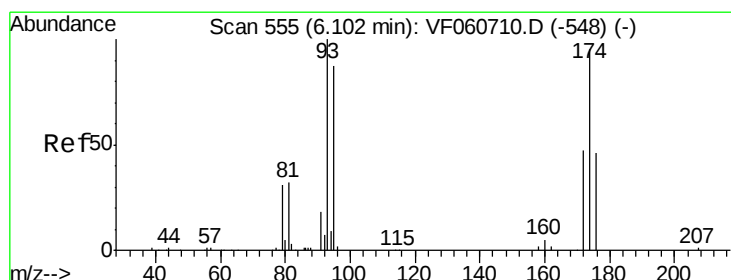
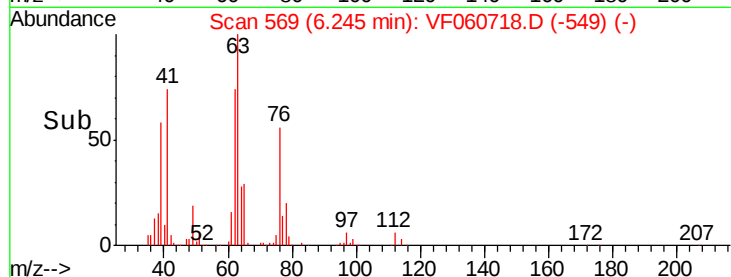
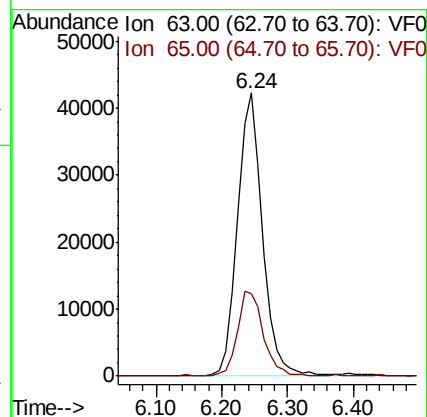
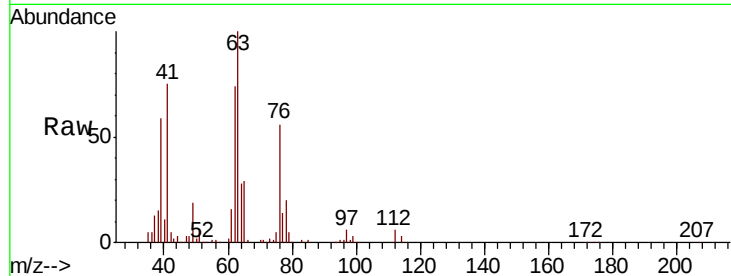
65 29.0 24.6 36.8

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#46

Dibromomethane

Concen: 48.656 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

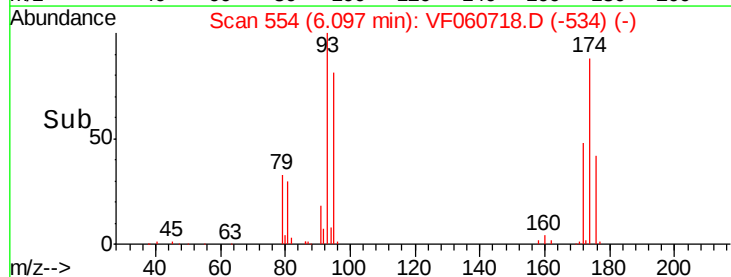
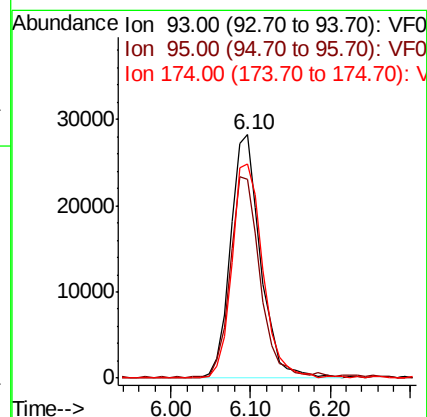
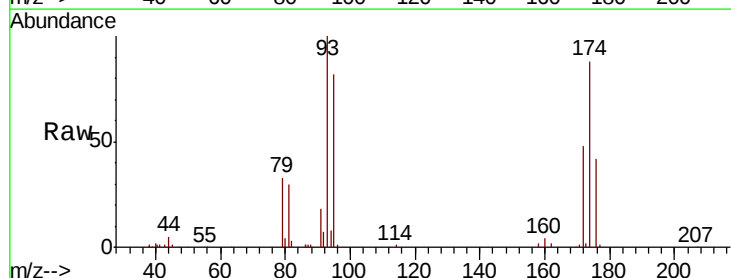
Tgt Ion: 93 Resp: 74712

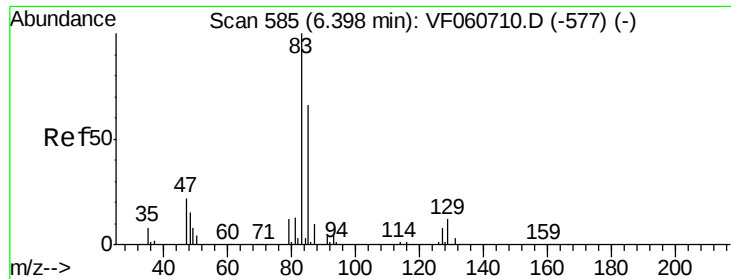
Ion Ratio Lower Upper

93 100

95 81.7 69.5 104.3

174 88.1 76.2 114.2





#47

Bromodichloromethane

Concen: 46.489 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

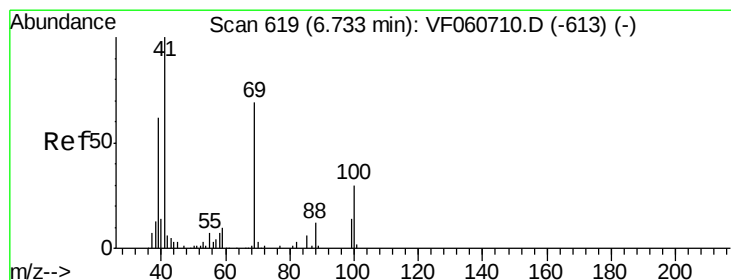
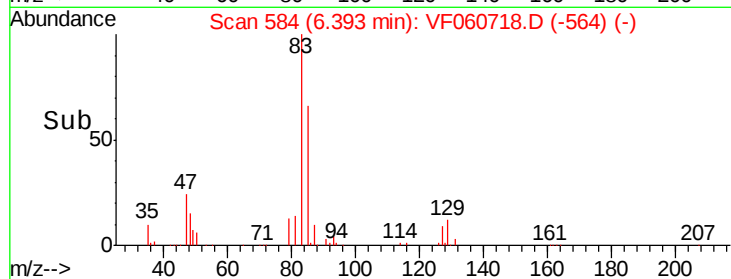
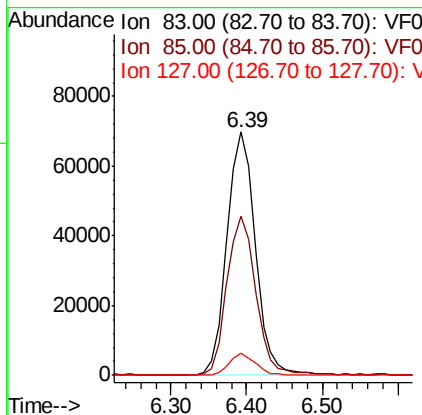
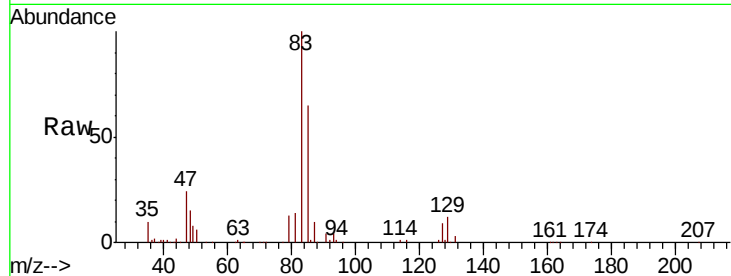
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182288
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.4	78.6
127	9.3	6.8	10.2

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#48

Methyl methacrylate

Concen: 46.956 ug/l

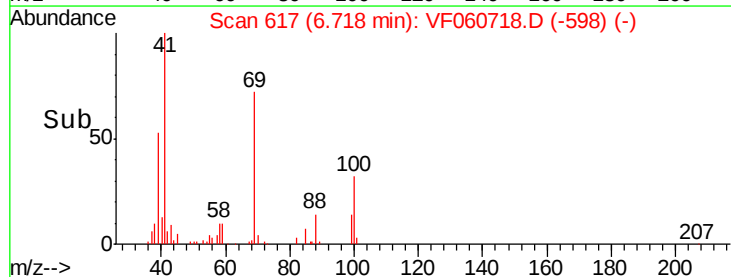
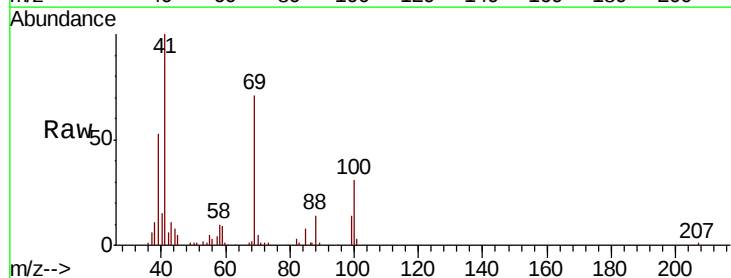
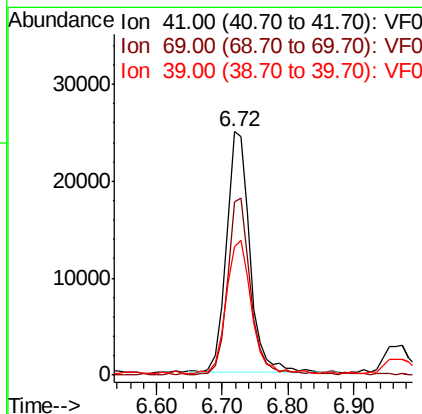
RT: 6.72 min Scan# 617

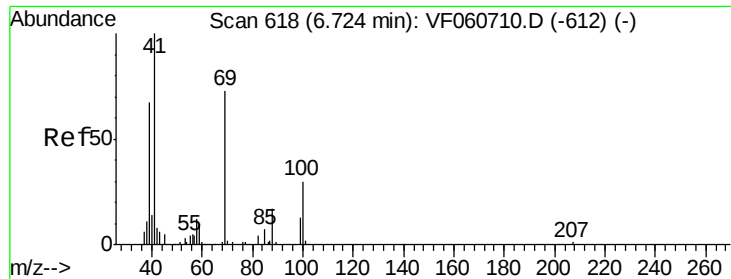
Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	41	Resp:	61431
Ion Ratio	Lower	Upper	
41	100		
69	71.1	54.9	82.3
39	52.8	49.6	74.4





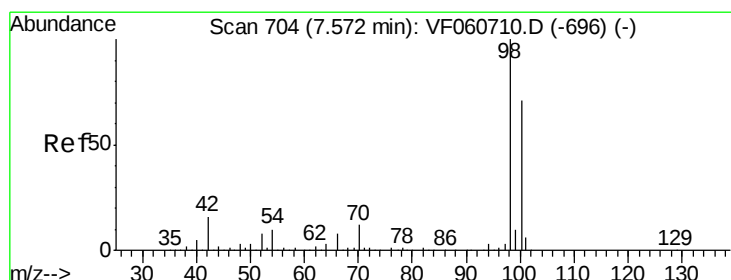
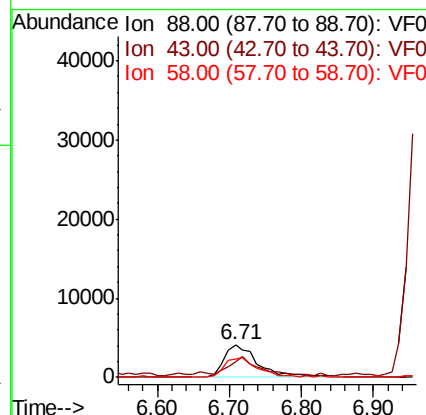
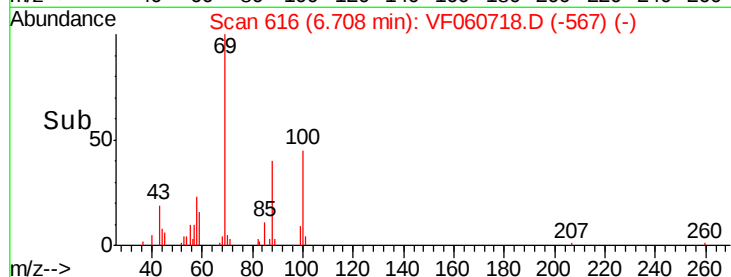
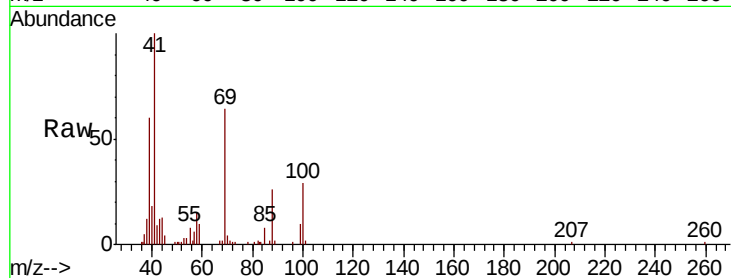
#49
1,4-Dioxane
Concen: 1093.151 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.5	44.6	66.8
58	57.7	54.5	81.7

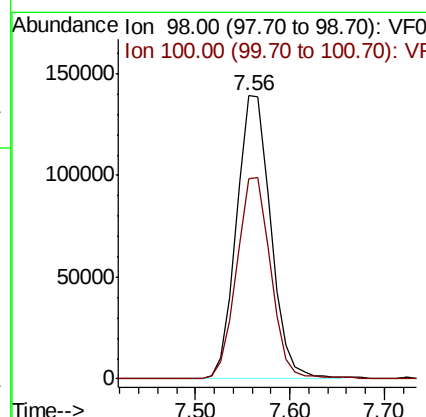
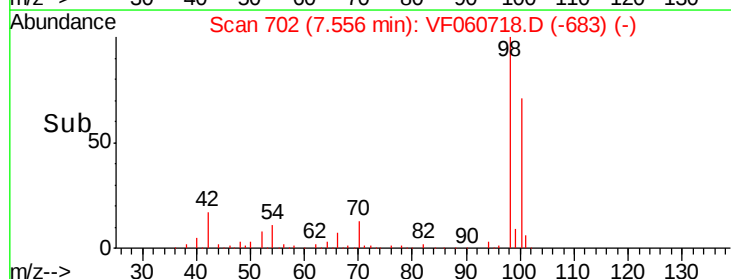
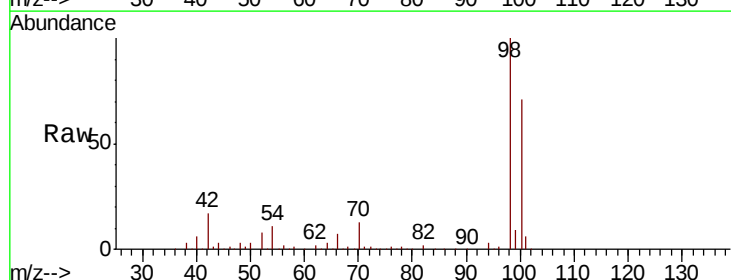
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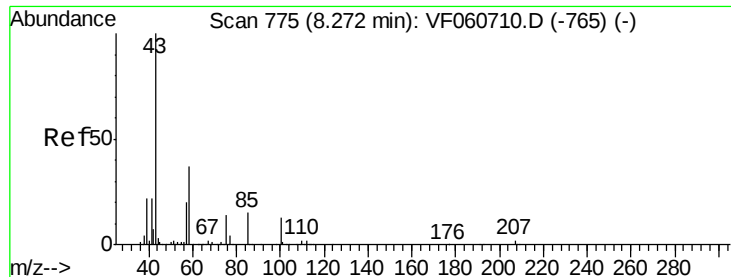
Sam
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#50
Toluene-d8
Concen: 52.758 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.7	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 229.805 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 328549

Ion Ratio Lower Upper

43 100

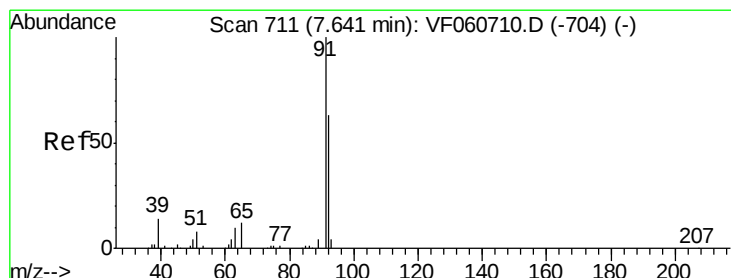
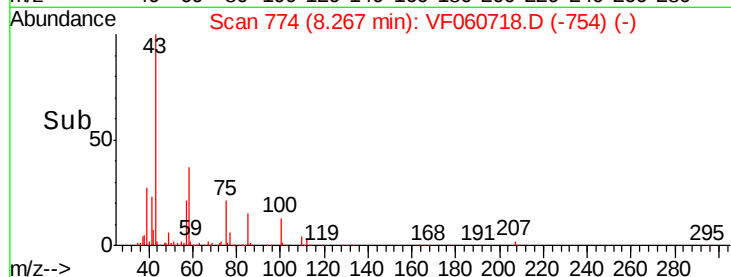
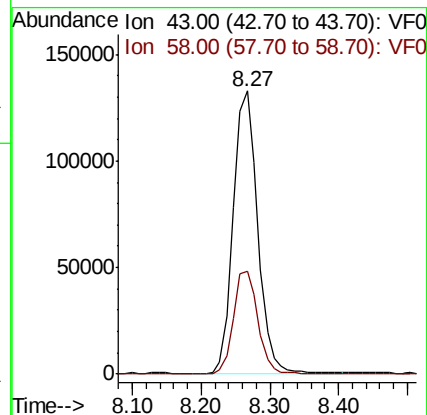
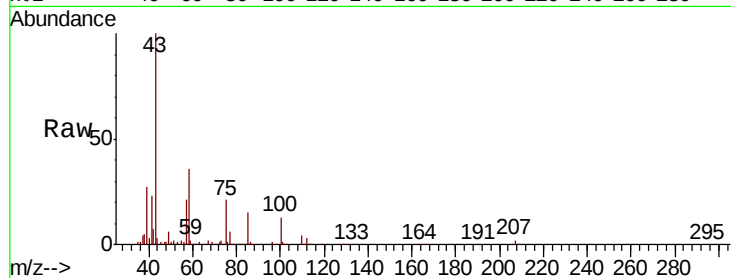
58 36.5 29.2 43.8

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#52

Toluene

Concen: 46.333 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060718.D

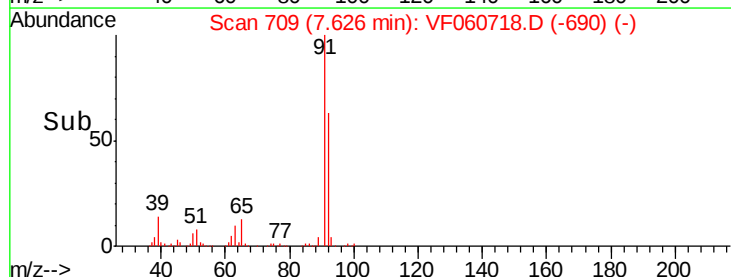
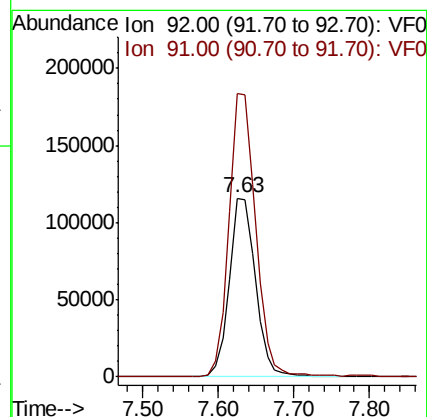
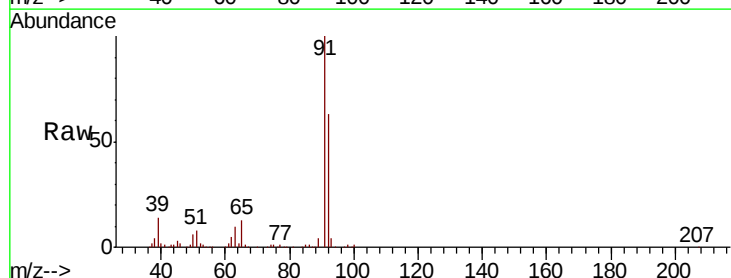
Acq: 13 Nov 2018 20:05

Tgt Ion: 92 Resp: 277556

Ion Ratio Lower Upper

92 100

91 158.6 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 45.343 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060718.D

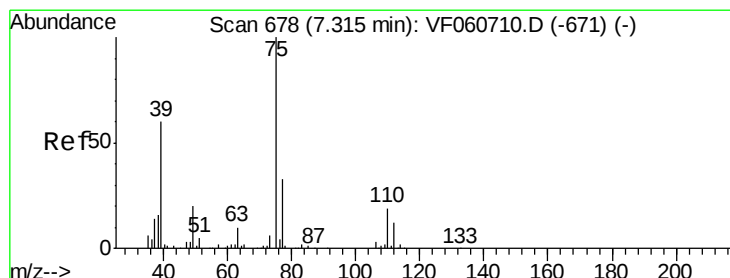
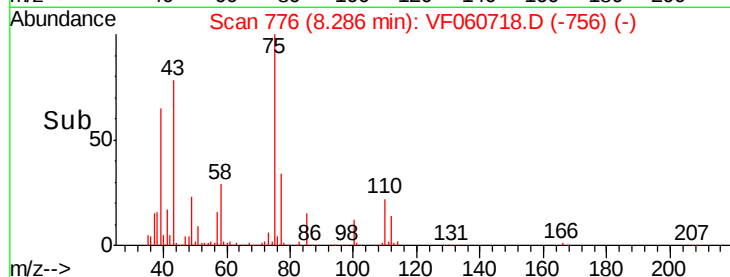
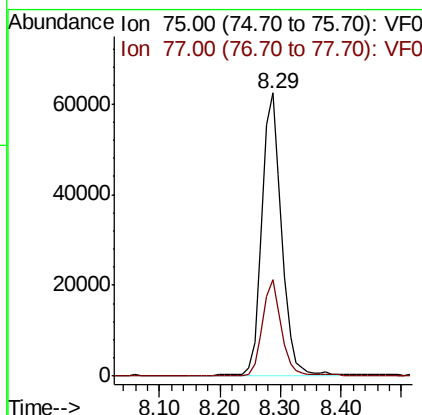
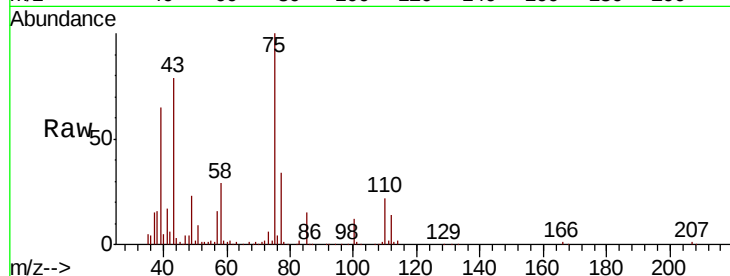
Acq: 13 Nov 2018 20:05

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.6	36.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

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#54

cis-1,3-Dichloropropene

Concen: 47.916 ug/l

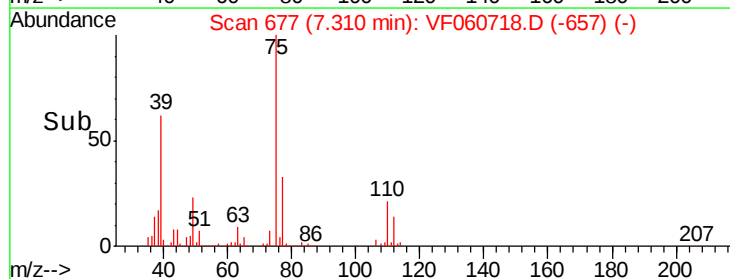
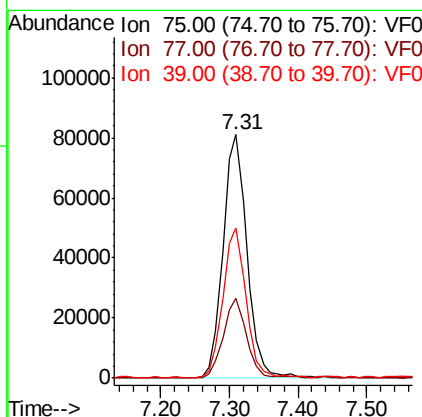
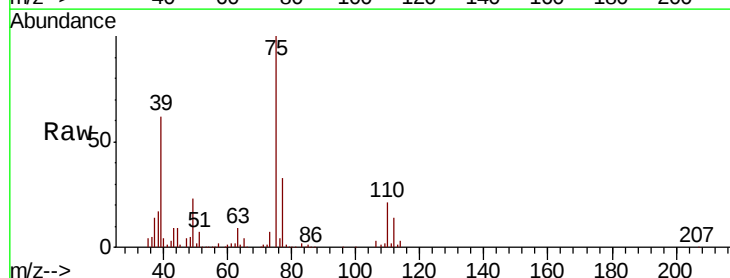
RT: 7.31 min Scan# 677

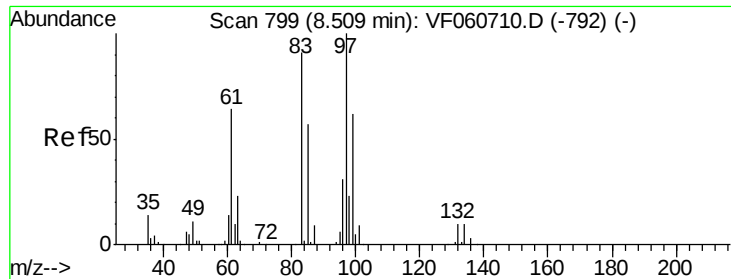
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.5	39.7
39	61.9	48.5	72.7





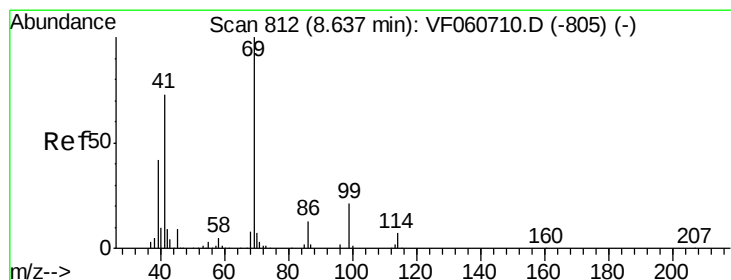
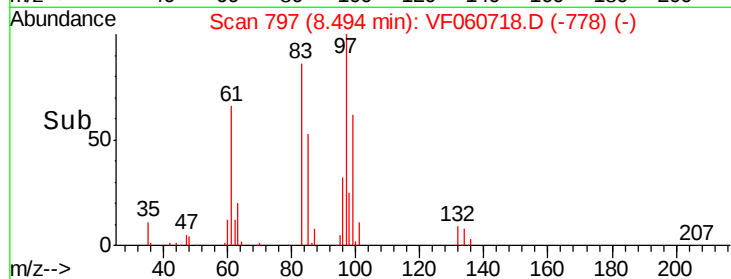
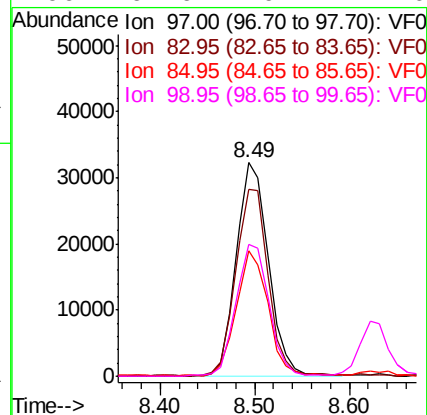
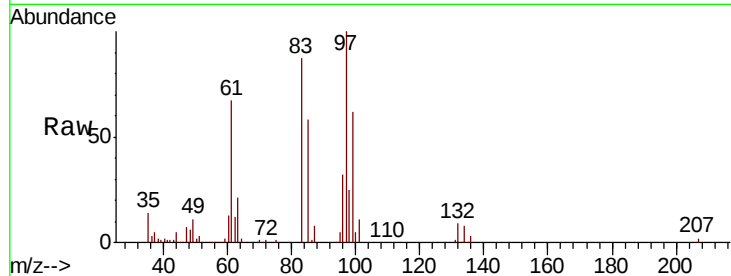
#55
 1,1,2-Trichloroethane
 Concen: 44.637 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	76399
Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.8	109.2
85	58.5	45.8	68.6
99	61.6	49.4	74.0

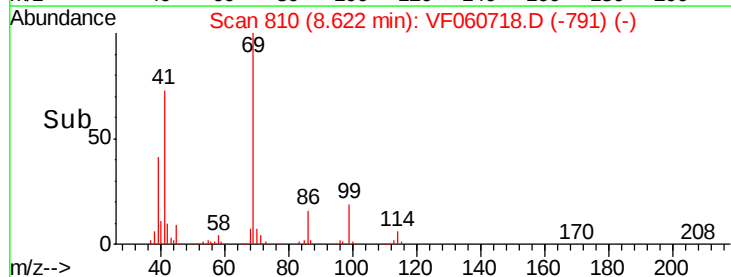
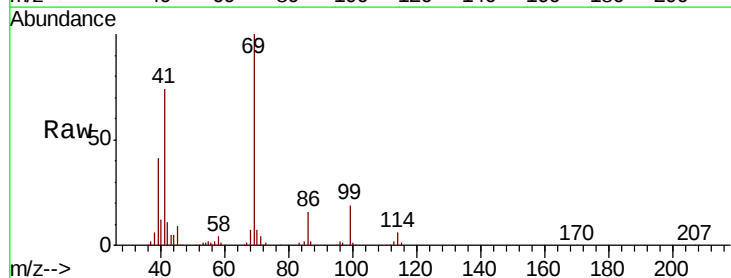
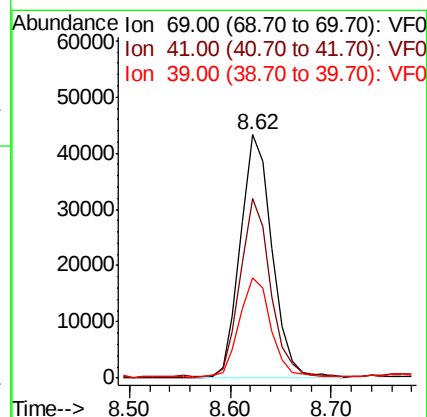
Manual Integrations
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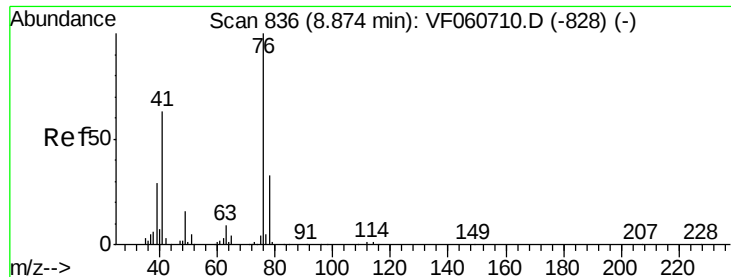
sam
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#56
 Ethyl methacrylate
 Concen: 48.898 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion:	69	Resp:	95049
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.0	88.6
39	41.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 47.937 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 142194

Ion Ratio Lower Upper

76 100

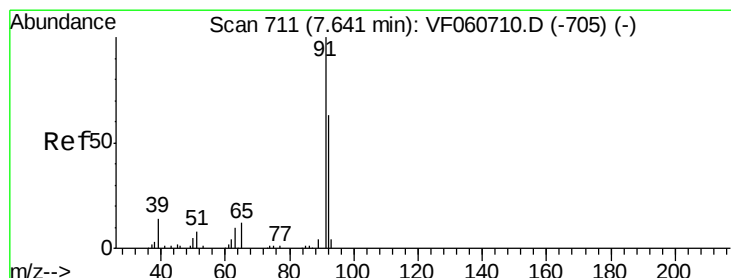
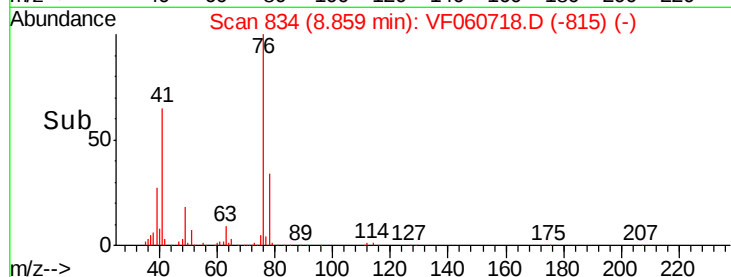
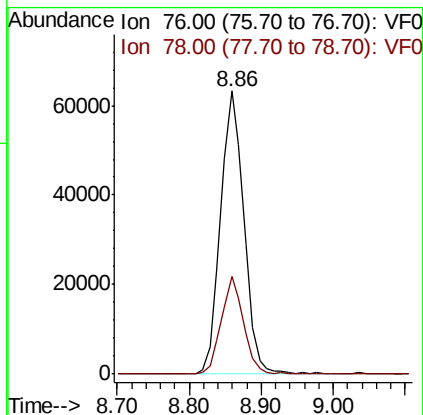
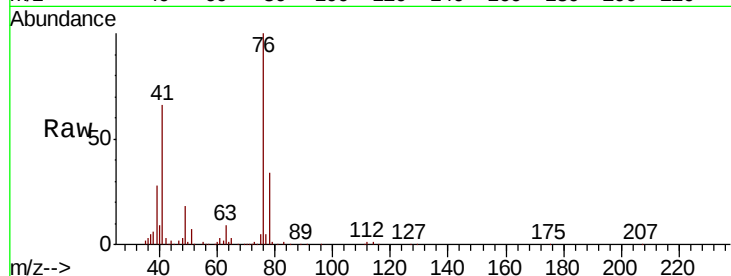
78 34.4 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 239.159 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060718.D

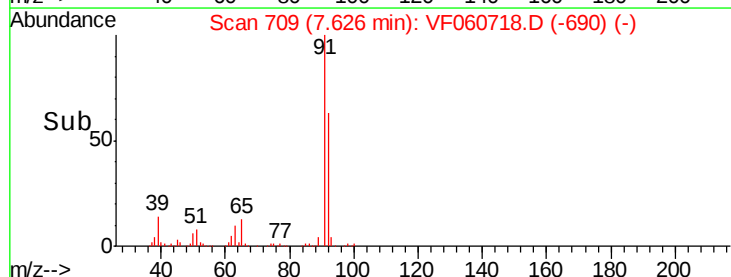
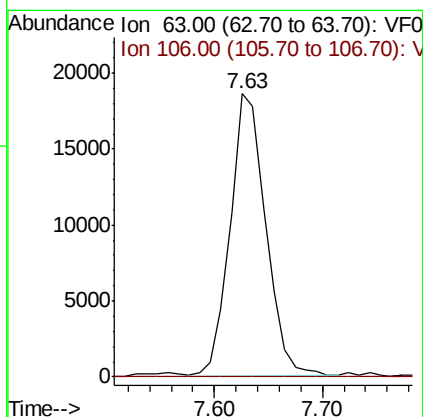
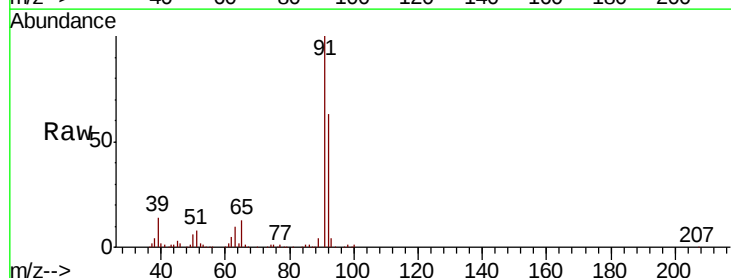
Acq: 13 Nov 2018 20:05

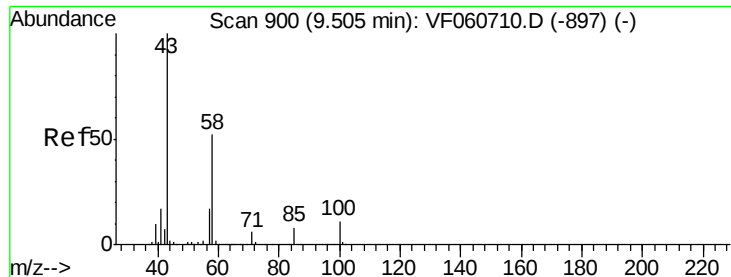
Tgt Ion: 63 Resp: 42467

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





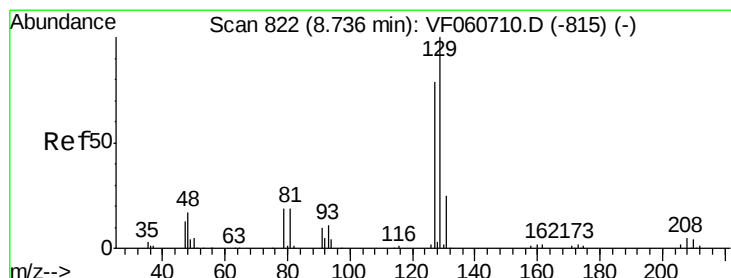
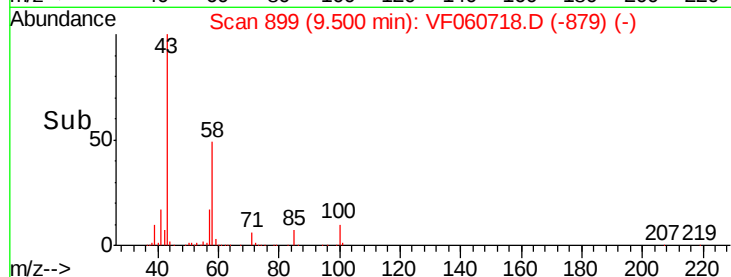
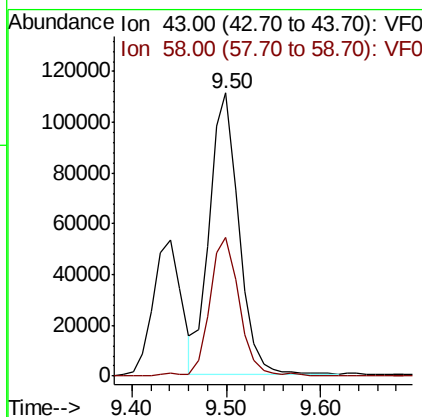
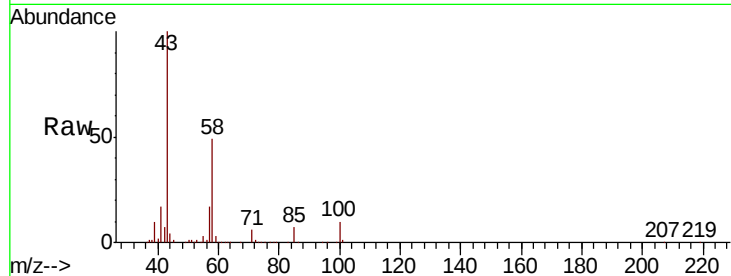
#59
2-Hexanone
Concen: 237.972 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 239099
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.7

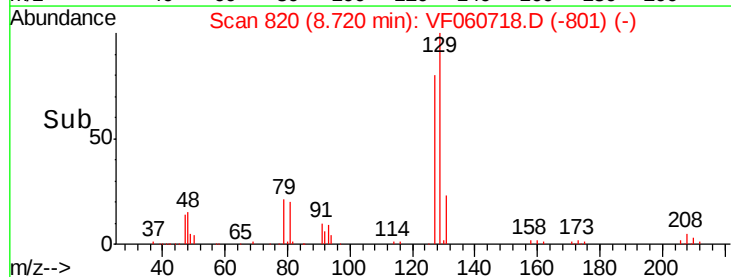
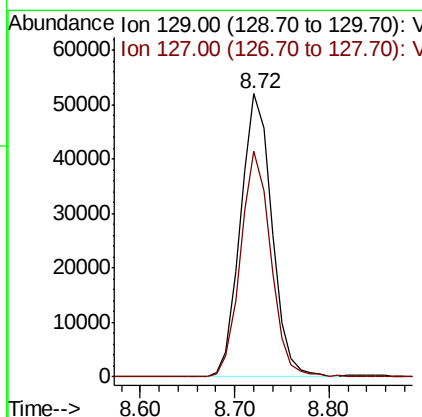
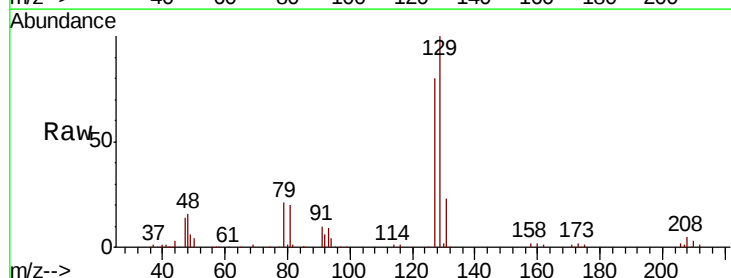
Manual Integrations
APPROVED

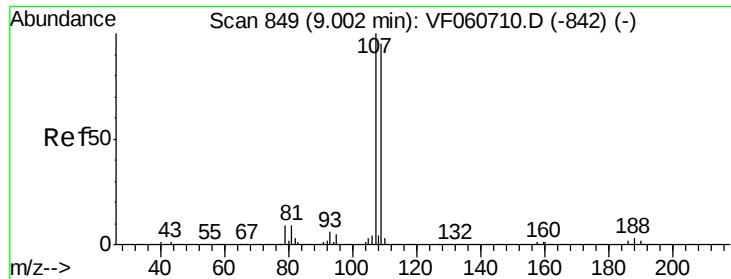
sam
11/14/2018 11:54:06 AM



#60
Dibromochloromethane
Concen: 49.216 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 129 Resp: 120054
Ion Ratio Lower Upper
129 100
127 79.6 39.7 119.1





#61

1,2-Dibromoethane

Concen: 49.318 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 88776

Ion Ratio Lower Upper

107 100

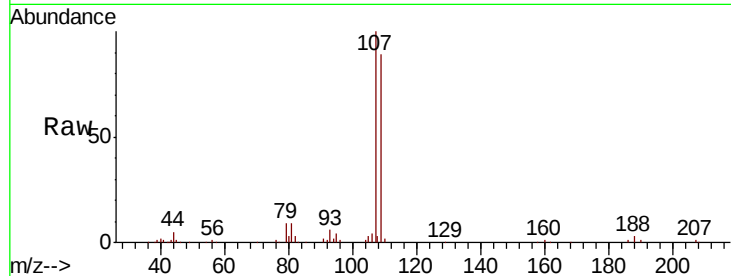
109 89.4 75.9 113.9

Manual Integrations

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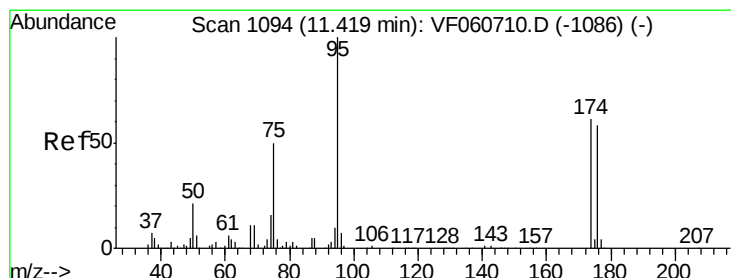
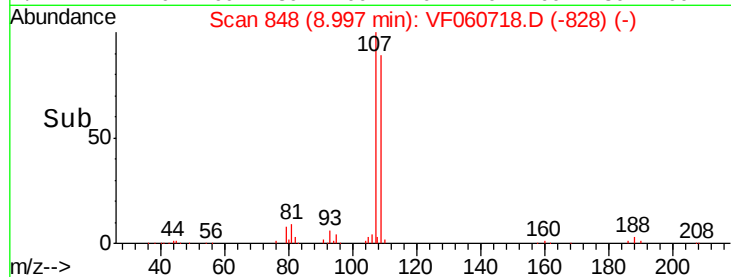
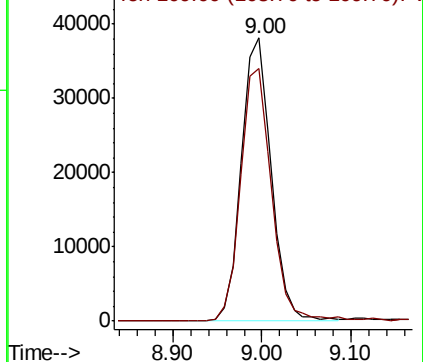
sam

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.972 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

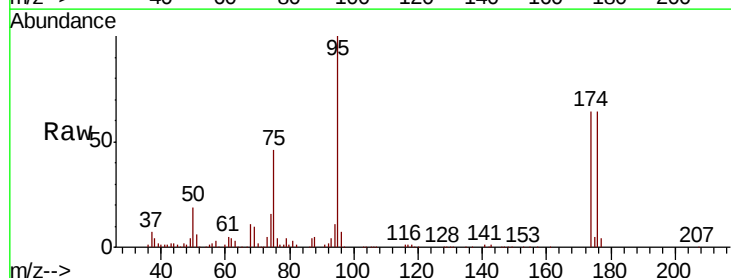
Tgt Ion: 95 Resp: 165019

Ion Ratio Lower Upper

95 100

174 63.6 0.0 121.6

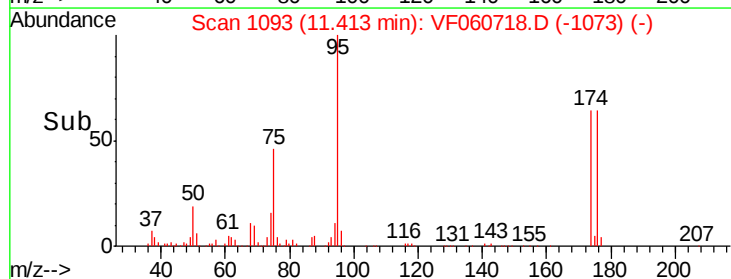
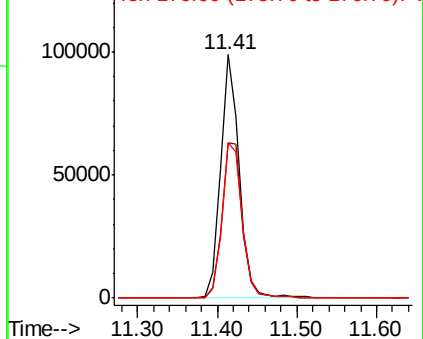
176 63.6 0.0 115.2

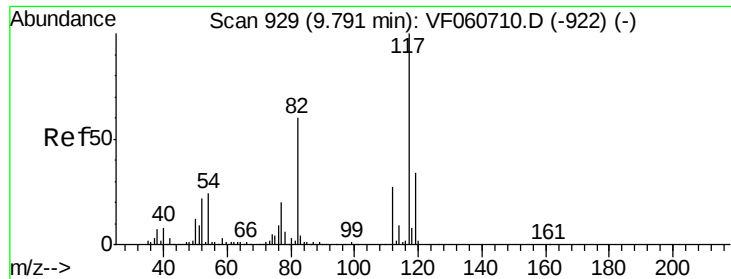


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





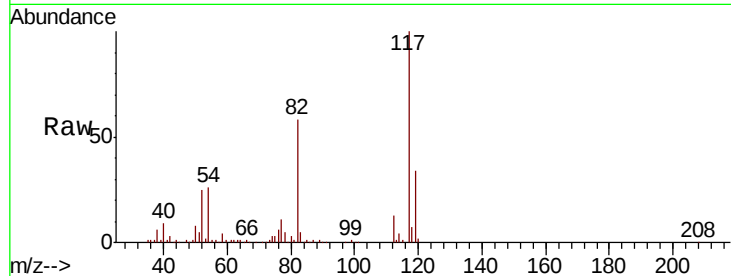
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	58.4	47.9	71.9	
119	33.8	26.8	40.2	

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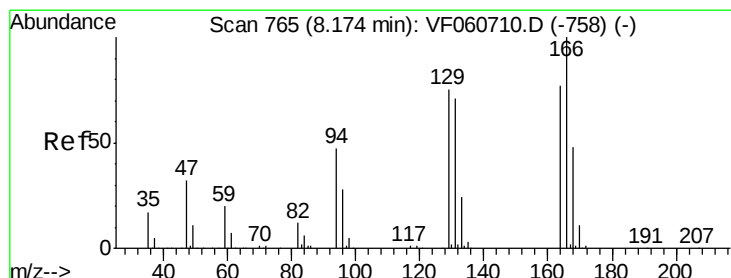
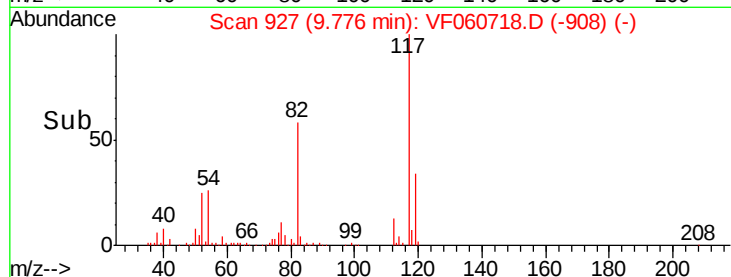
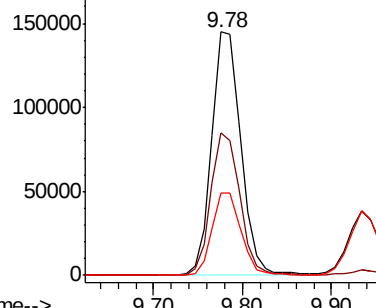


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 45.180 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.2	103.5	155.3	
129	100.1	77.4	116.2	
131	96.4	73.5	110.3	

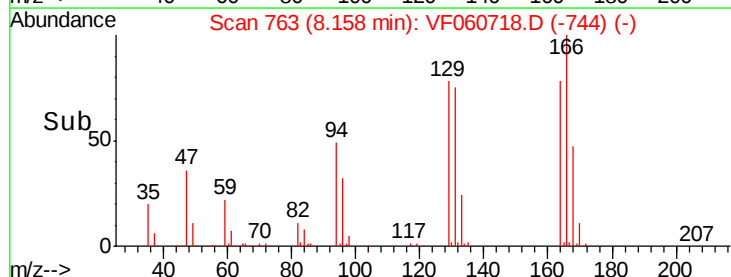
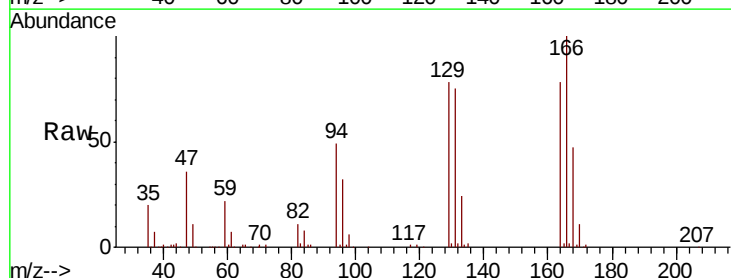
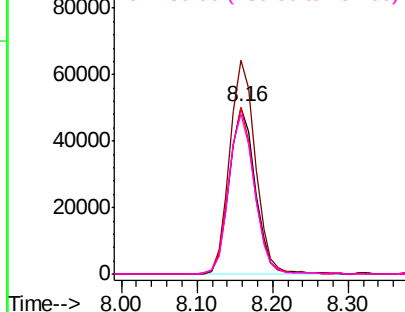
Abundance

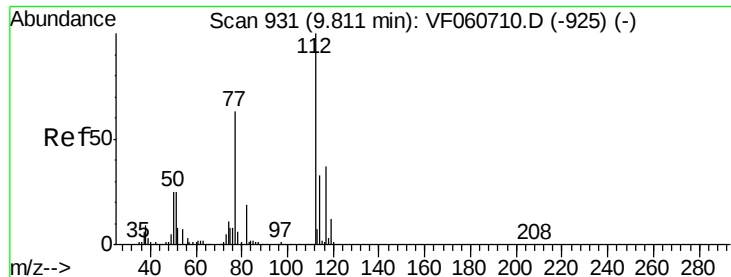
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





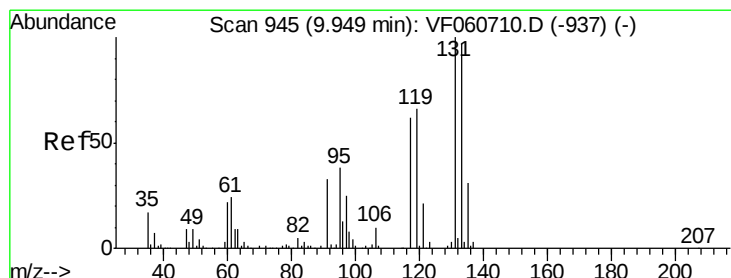
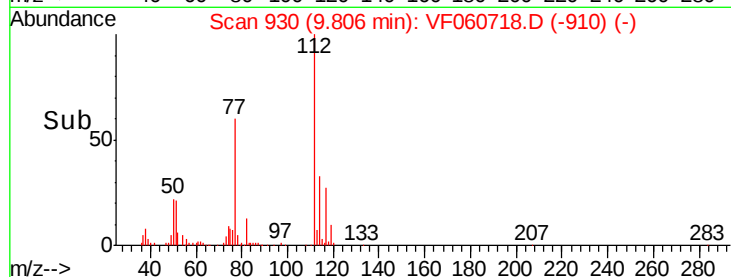
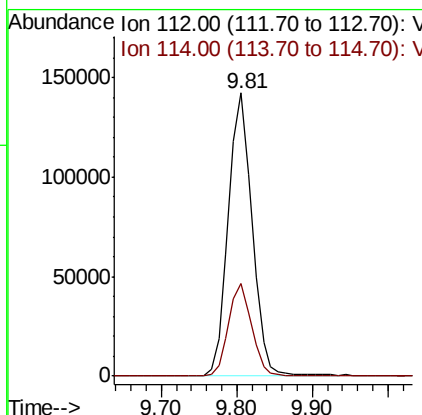
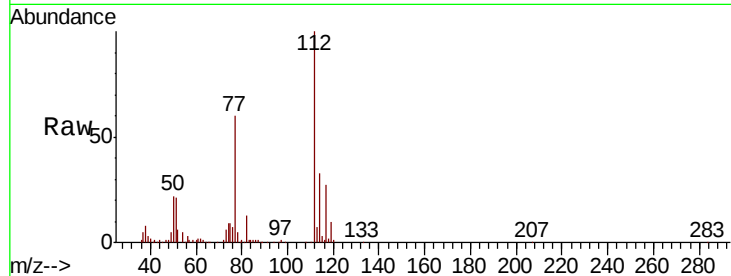
#65
Chlorobenzene
Concen: 46.727 ug/l
RT: 9.81 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.1	39.1

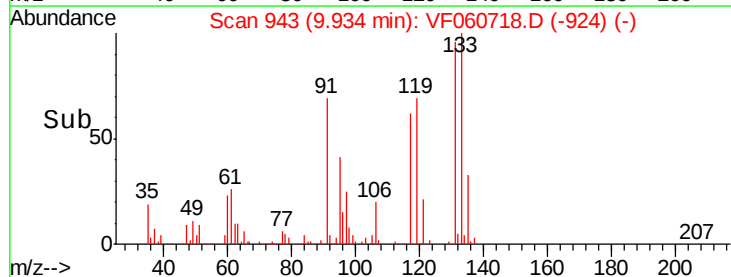
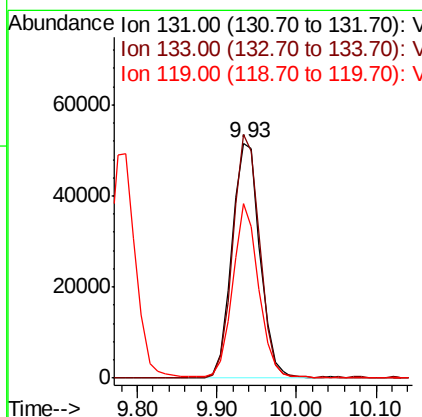
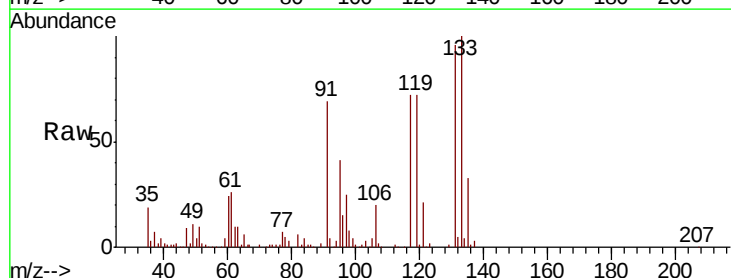
Manual Integrations
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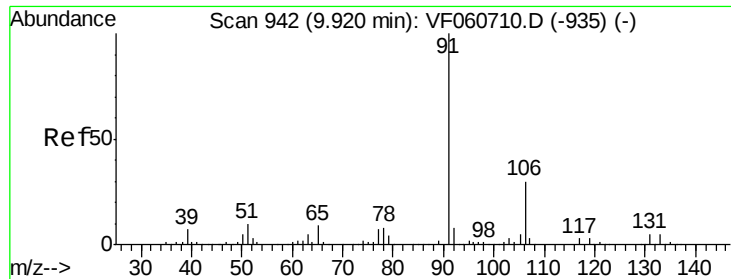
sam
11/14/2018 11:54:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 43.675 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.6	48.3	144.8
119	74.2	33.2	99.6





#67

Ethyl Benzene

Concen: 44.861 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 563582

Ion Ratio Lower Upper

91 100

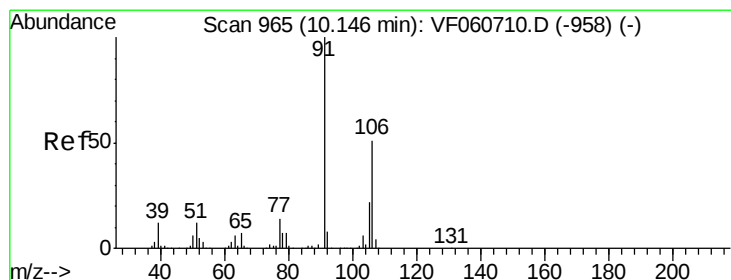
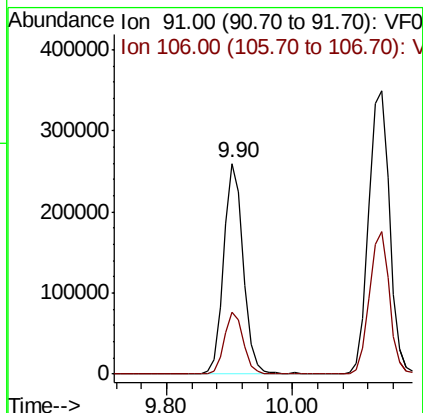
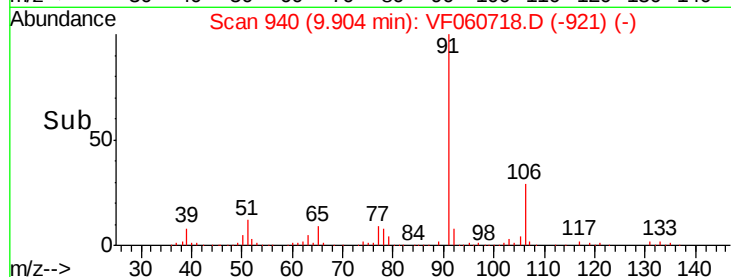
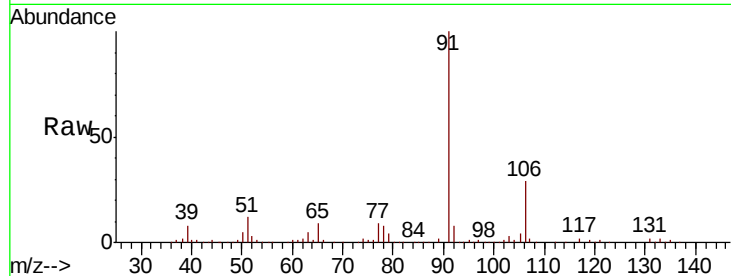
106 29.1 23.9 35.9

Manual Integrations

APPROVED

sam

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#68

m/p-Xylenes

Concen: 87.027 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060718.D

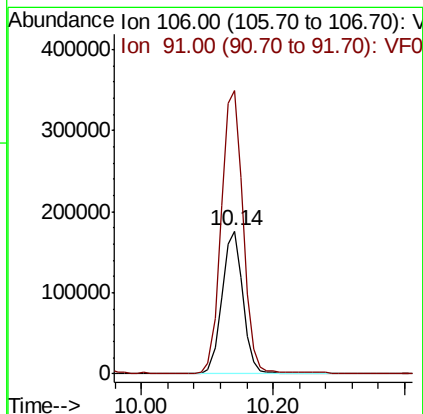
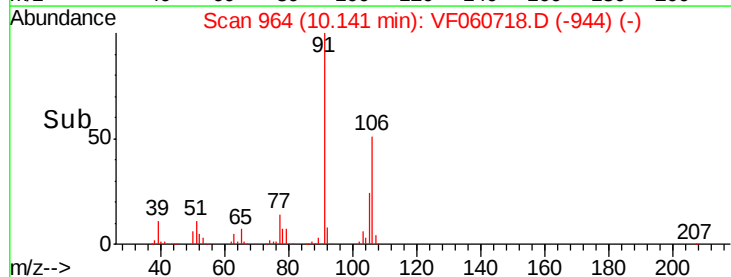
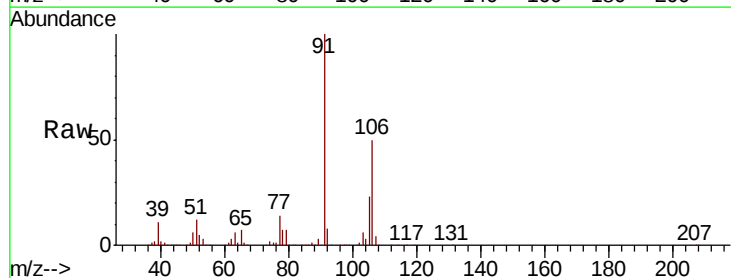
Acq: 13 Nov 2018 20:05

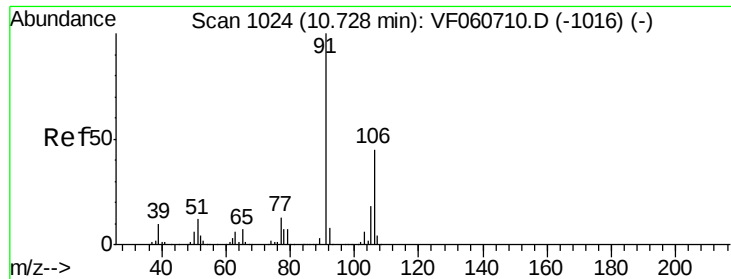
Tgt Ion: 106 Resp: 390713

Ion Ratio Lower Upper

106 100

91 198.5 158.2 237.2





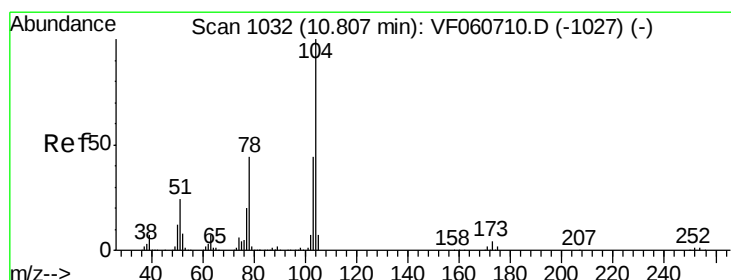
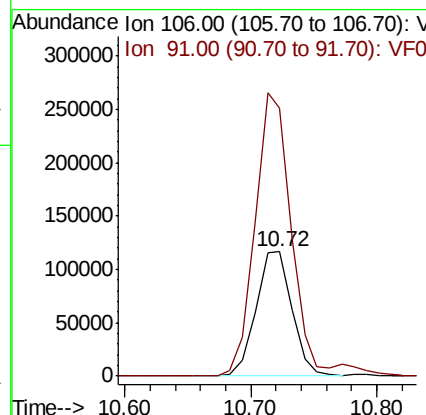
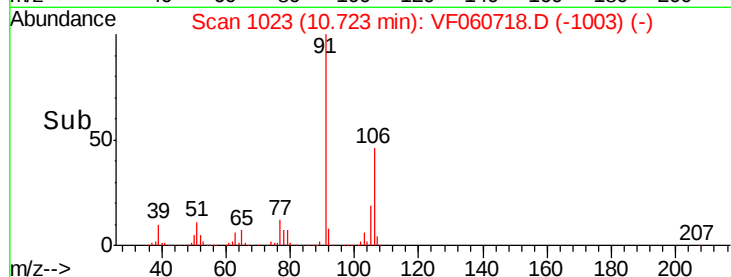
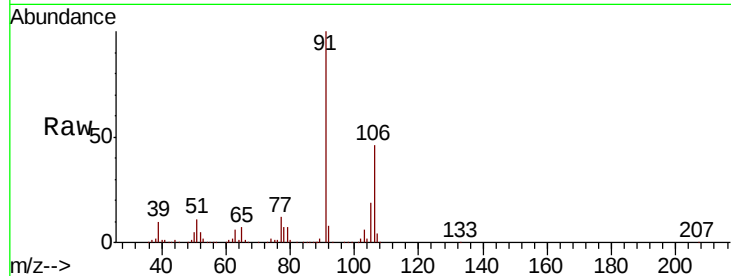
#69
o-Xylene
Concen: 45.800 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
231181	106	100			
	91	216.1	110.3	330.9	

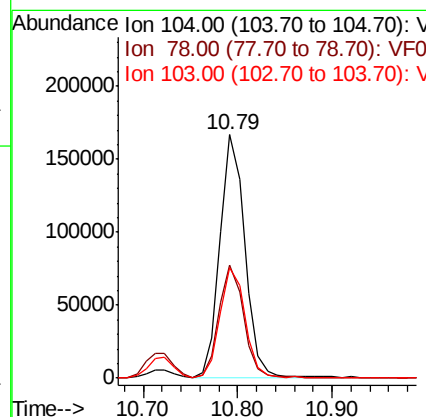
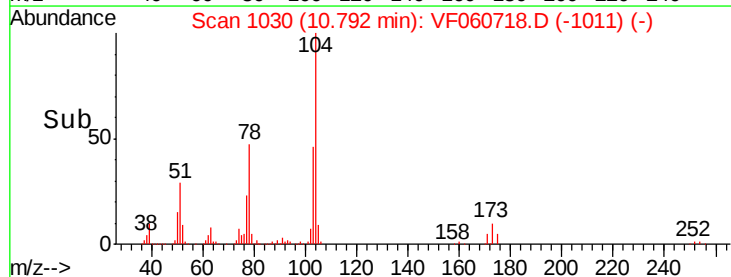
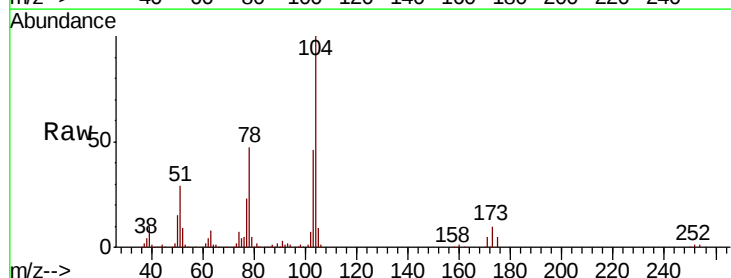
Manual Integrations
APPROVED

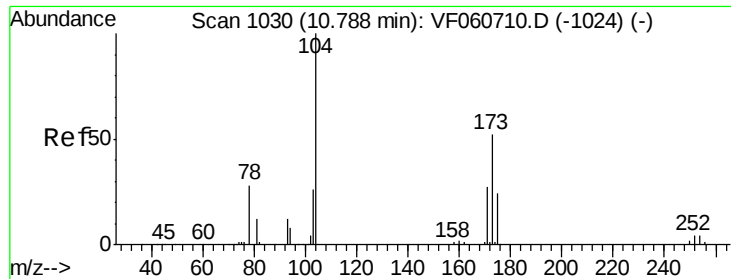
sam
11/14/2018 11:54:06 AM



#70
Styrene
Concen: 44.720 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
306343	104	100			
	78	46.6	35.4	53.2	
	103	45.6	35.8	53.6	





#71

Bromoform

Concen: 44.957 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

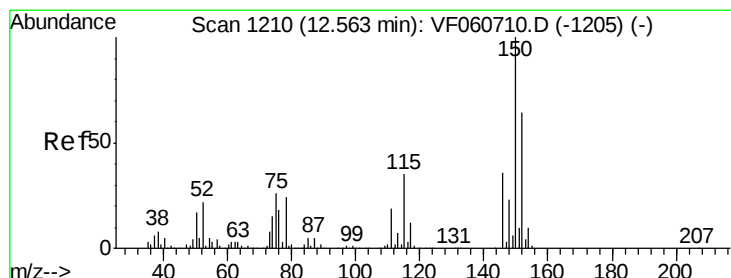
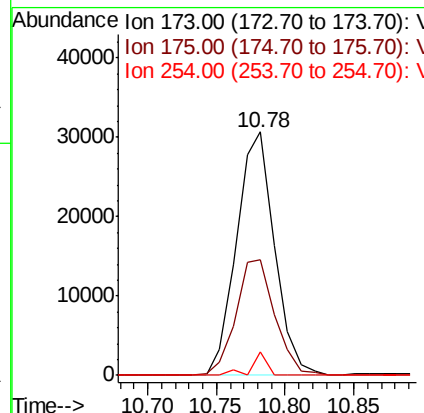
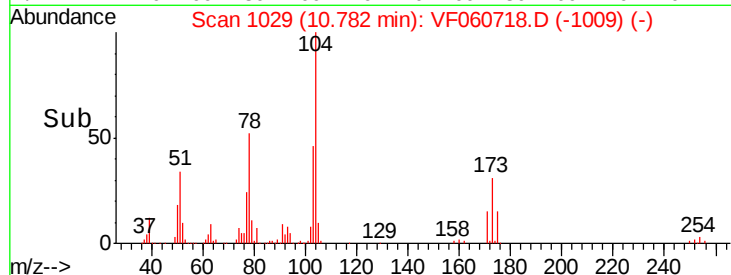
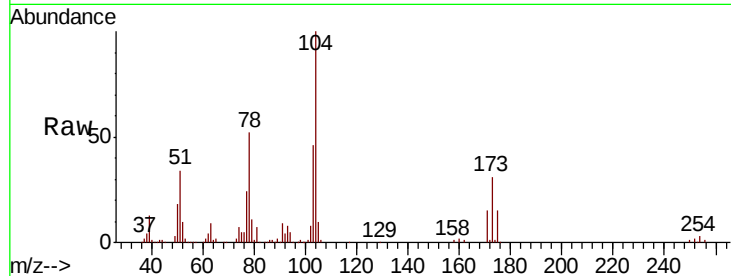
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.7	23.4	70.0	
254	9.4	5.8	8.8	

Manual Integrations
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sam
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

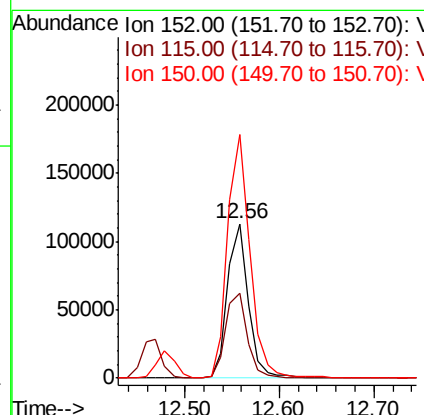
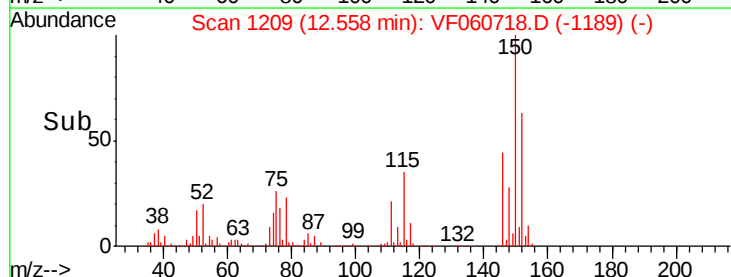
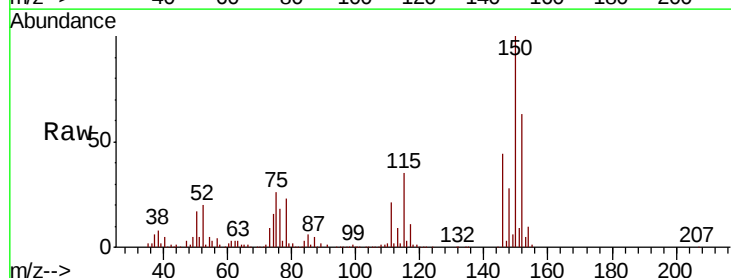
RT: 12.56 min Scan# 1209

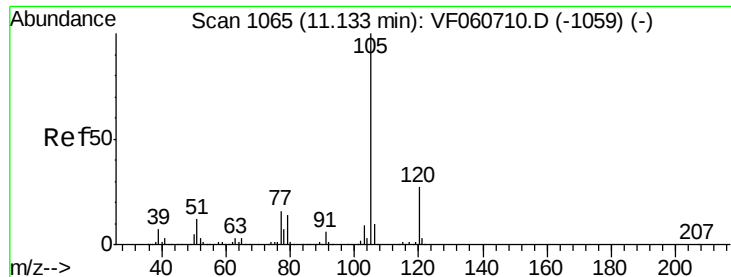
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	55.3	27.9	83.7	
150	158.1	0.0	316.4	





#73

Isopropylbenzene

Concen: 51.255 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 709128

Ion Ratio Lower Upper

105 100

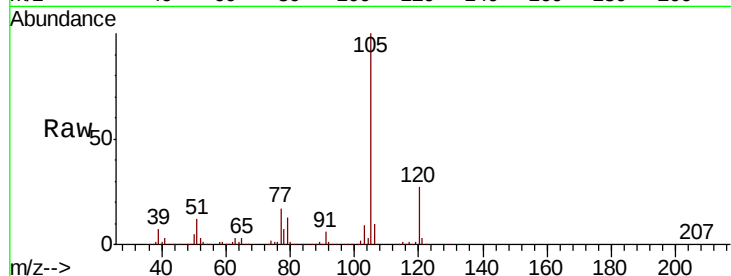
120 26.6 13.4 40.1

Manual Integrations

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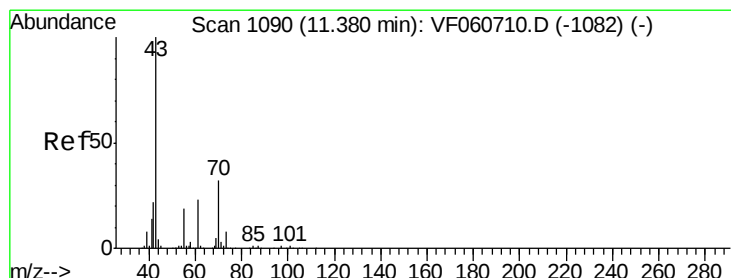
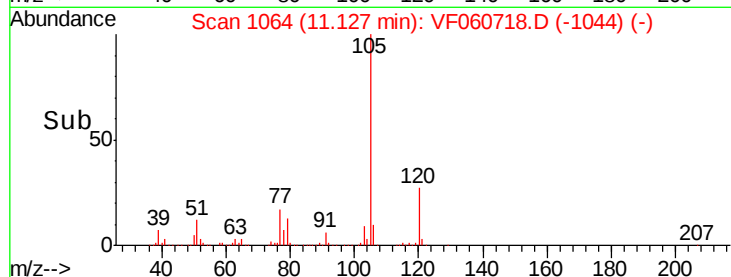
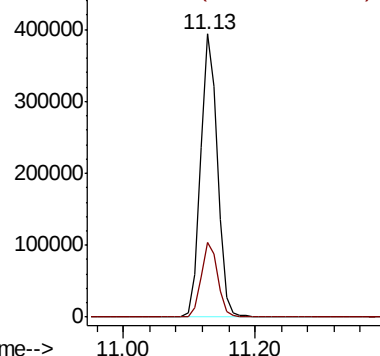
sam

11/14/2018 11:54:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.185 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion: 43 Resp: 145464

Ion Ratio Lower Upper

43 100

70 35.7 25.5 38.3

55 22.0 14.9 22.3

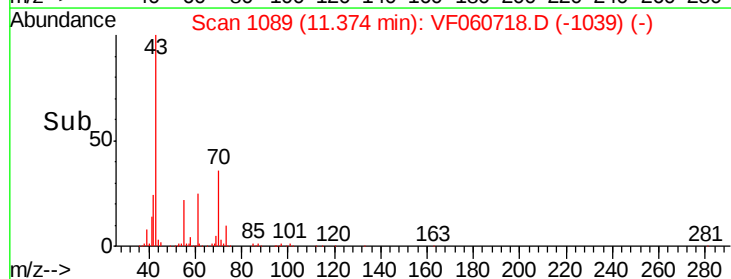
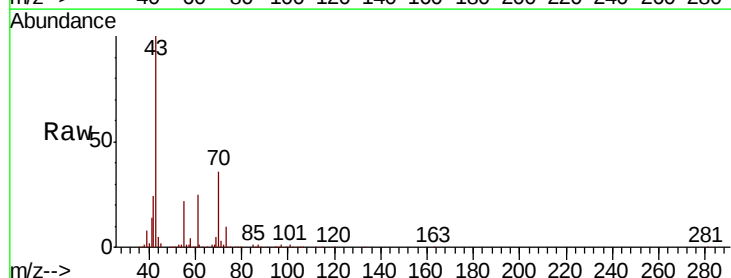
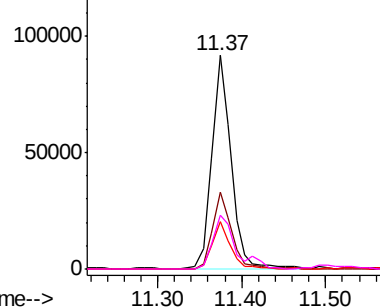
61 25.2 18.6 27.8

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.527 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

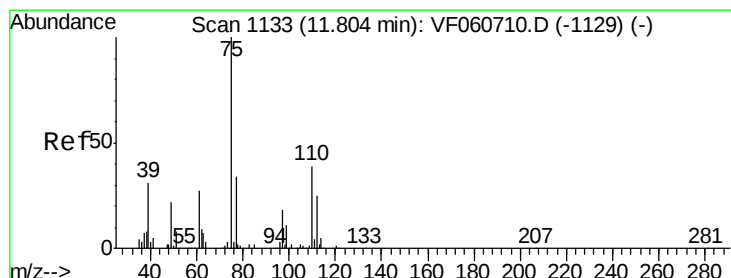
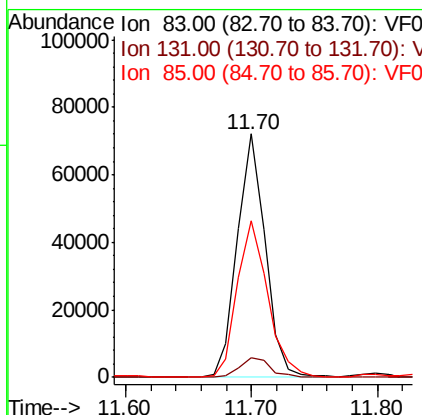
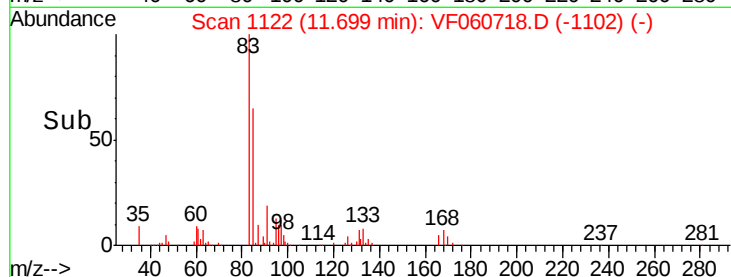
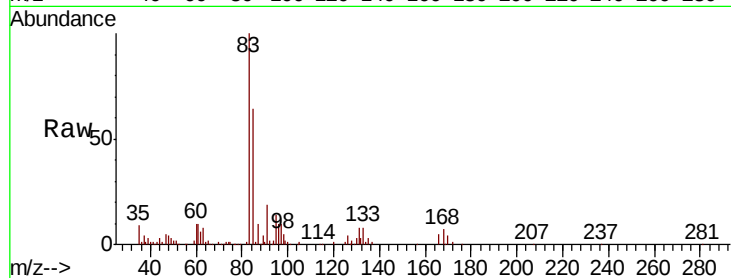
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111001
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.2	12.4
85	64.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 44.447 ug/l

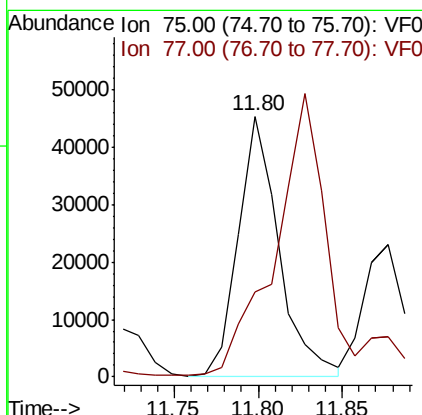
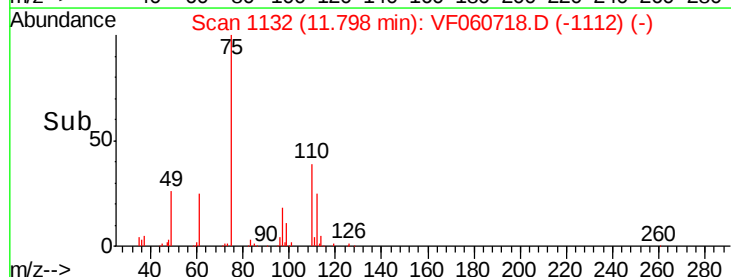
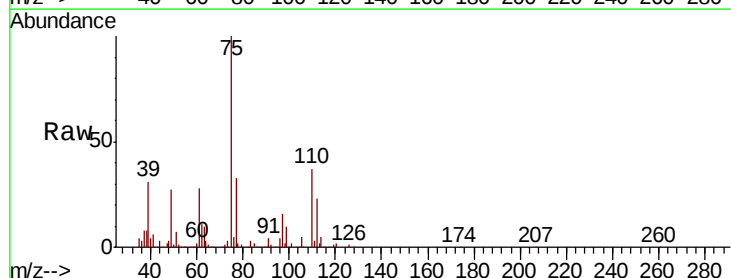
RT: 11.80 min Scan# 1132

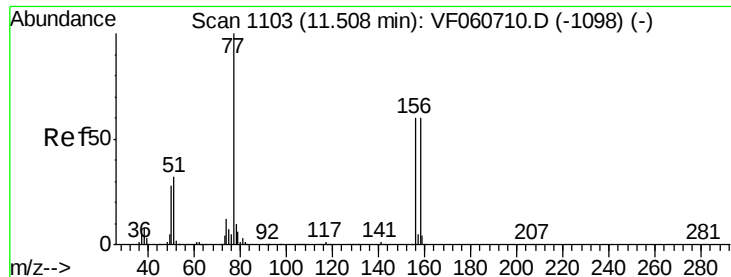
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	75	Resp:	75507
Ion Ratio	Lower	Upper	
75	100		
77	32.6	17.0	51.0





#77

Bromobenzene

Concen: 49.214 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

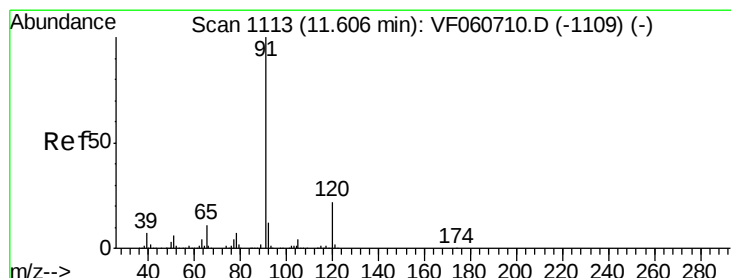
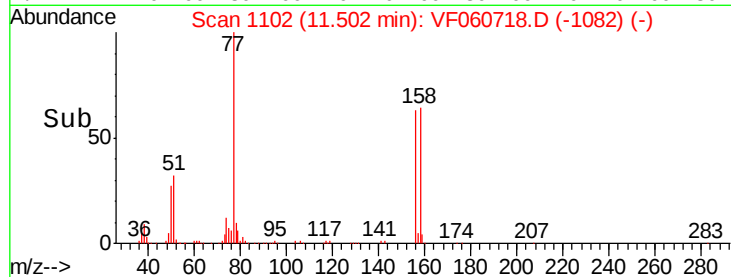
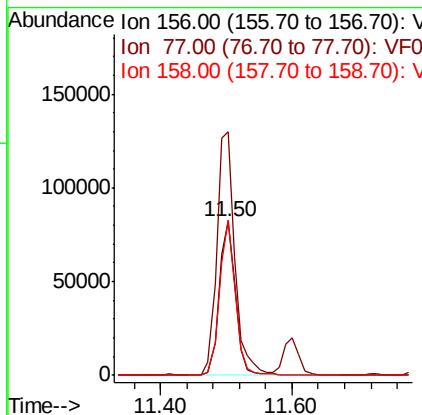
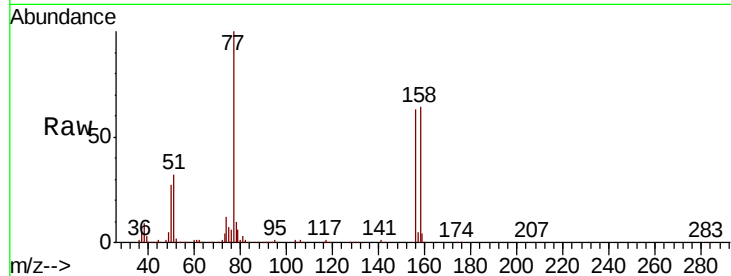
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	141730
Ion Ratio	Lower	Upper	
156	100		
77	158.2	83.0	248.9
158	100.8	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 48.982 ug/l

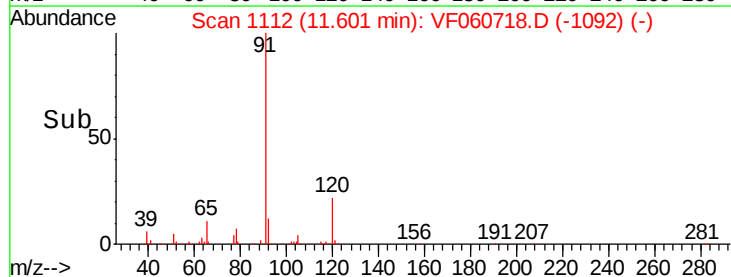
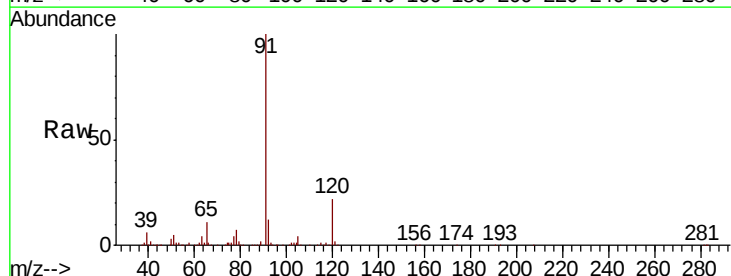
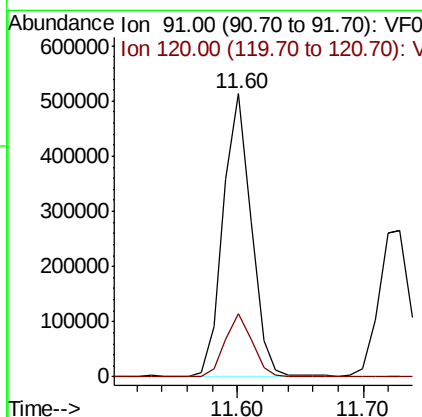
RT: 11.60 min Scan# 1112

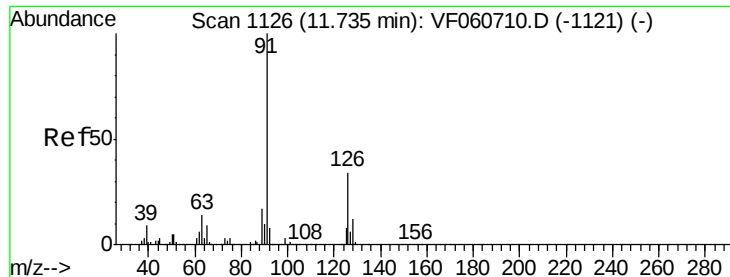
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	91	Resp:	790373
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.560 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 455416

Ion Ratio Lower Upper

91 100

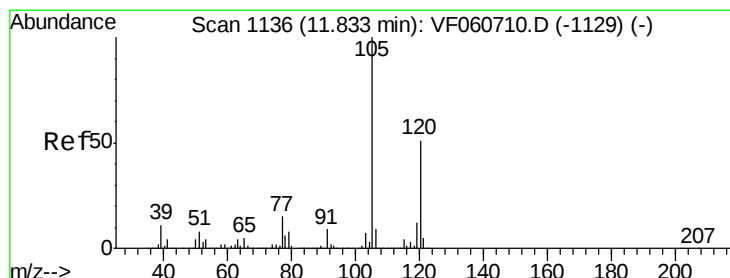
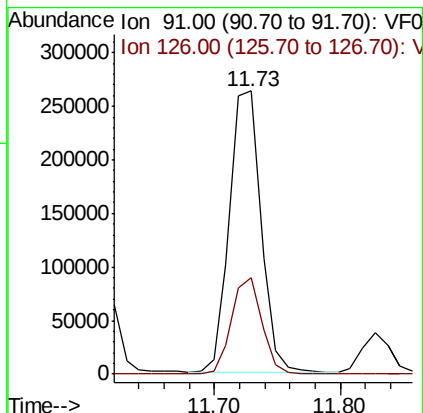
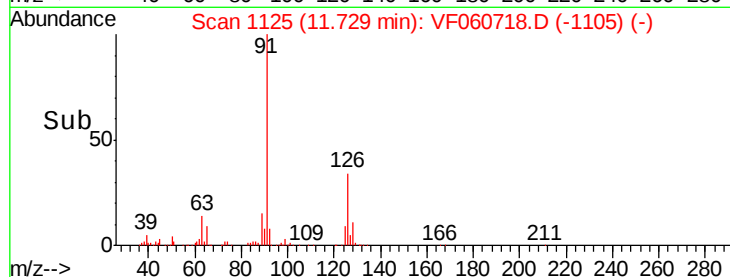
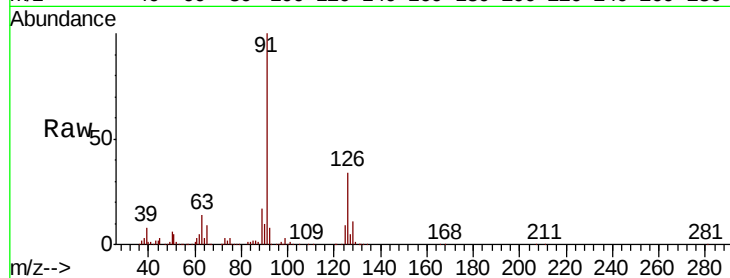
126 34.1 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 50.212 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060718.D

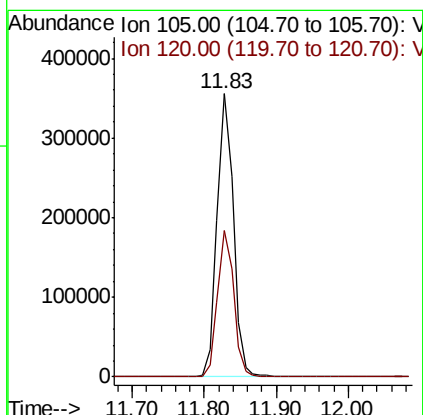
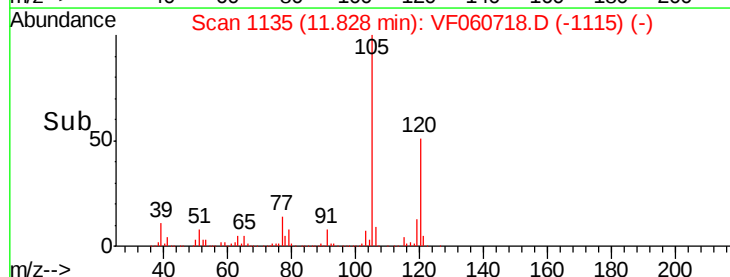
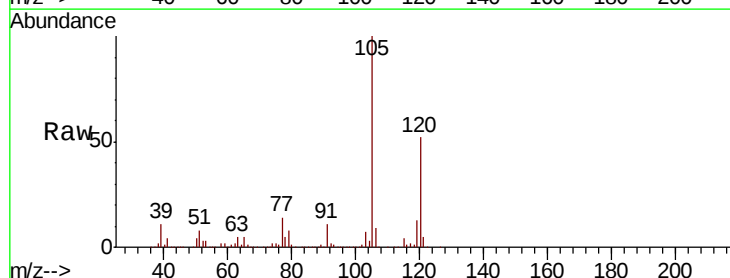
Acq: 13 Nov 2018 20:05

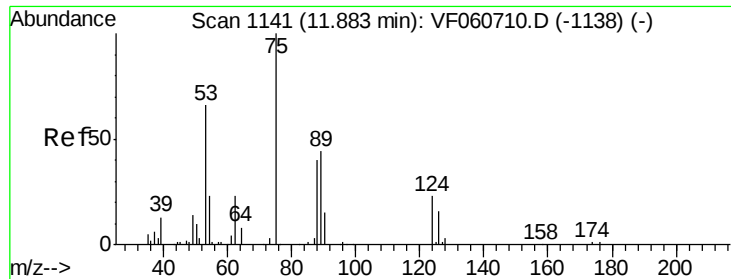
Tgt Ion: 105 Resp: 551532

Ion Ratio Lower Upper

105 100

120 51.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.145 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 36009

Ion Ratio Lower Upper

75 100

53 70.3 57.0 85.4

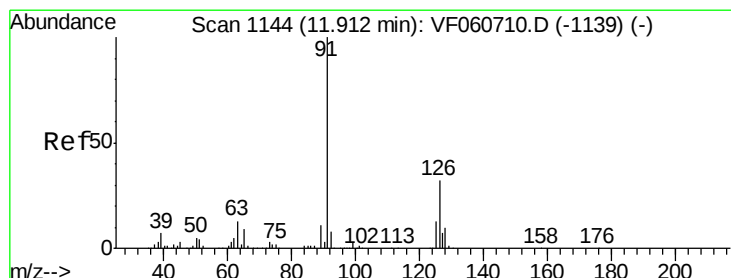
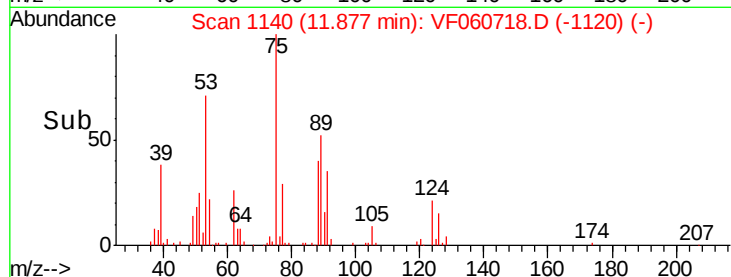
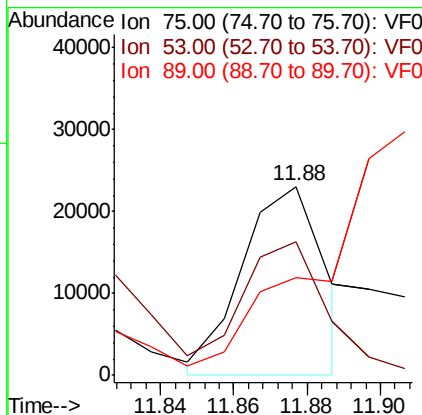
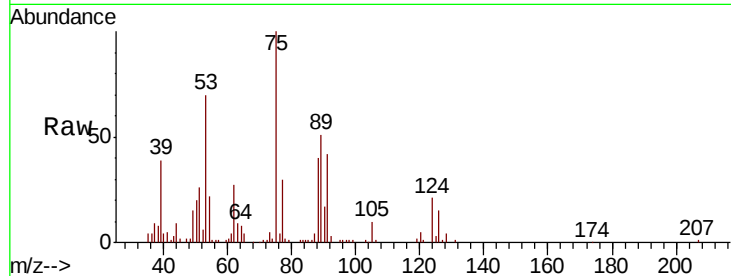
89 51.3 37.8 56.8

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#82

4-Chlorotoluene

Concen: 47.681 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060718.D

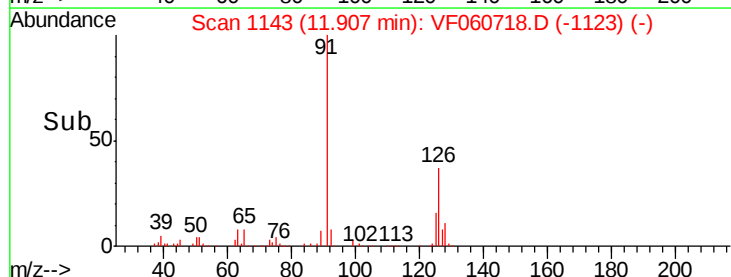
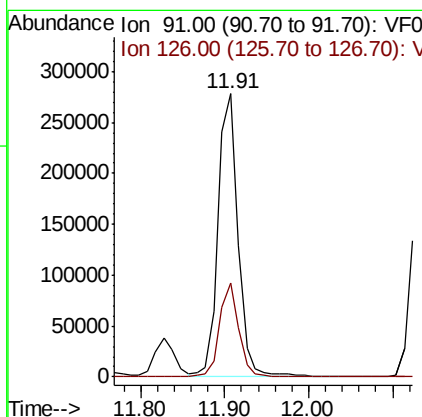
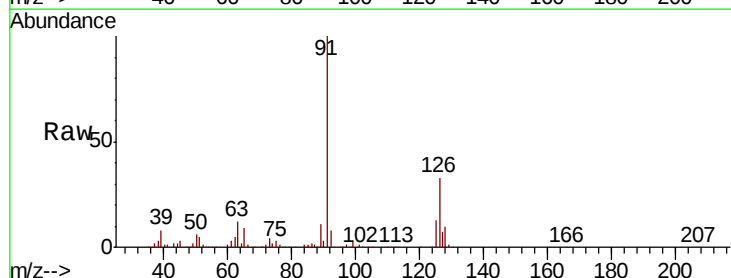
Acq: 13 Nov 2018 20:05

Tgt Ion: 91 Resp: 458100

Ion Ratio Lower Upper

91 100

126 33.1 16.0 47.9





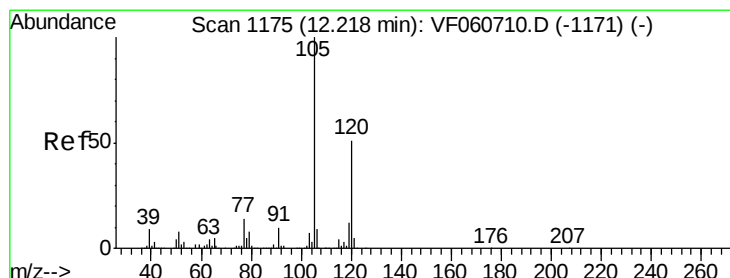
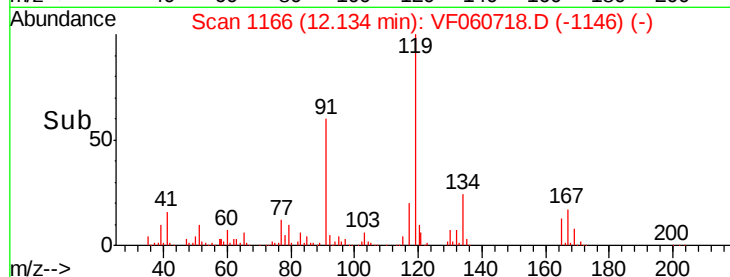
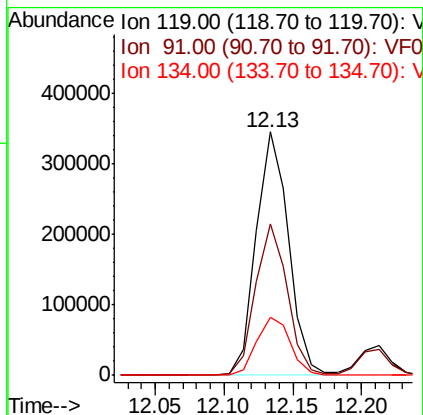
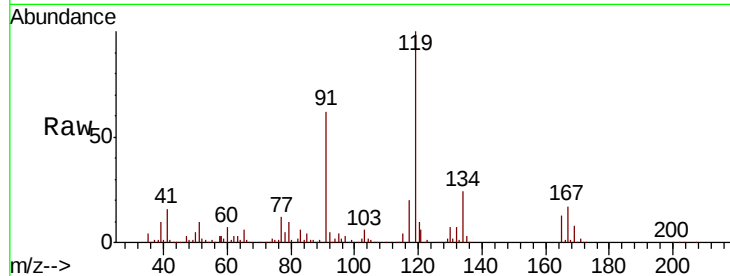
#83
tert-Butylbenzene
Concen: 48.782 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.4	94.3
134	24.1	12.8	38.4

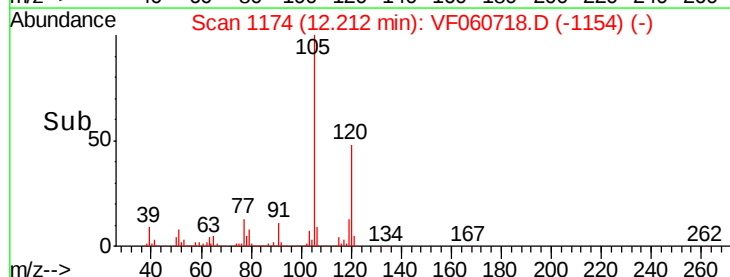
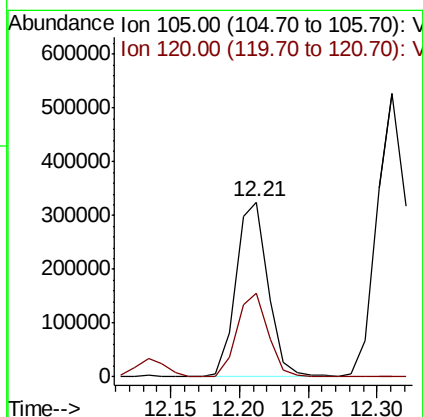
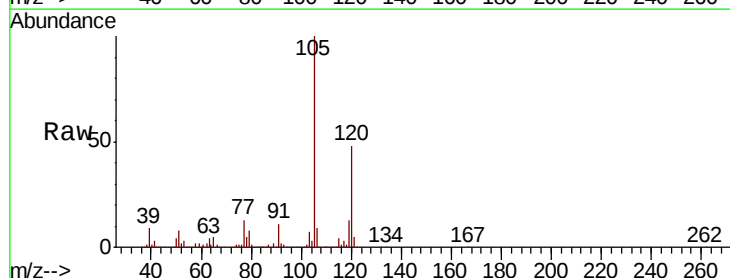
Manual Integrations
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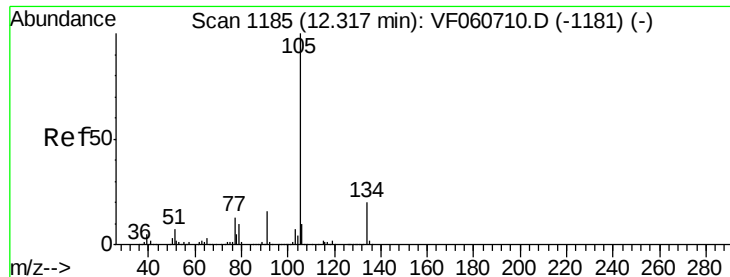
sam
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#84
1,2,4-Trimethylbenzene
Concen: 46.399 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	25.5	76.5





#85

sec-Butylbenzene

Concen: 50.744 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 802800

Ion Ratio Lower Upper

105 100

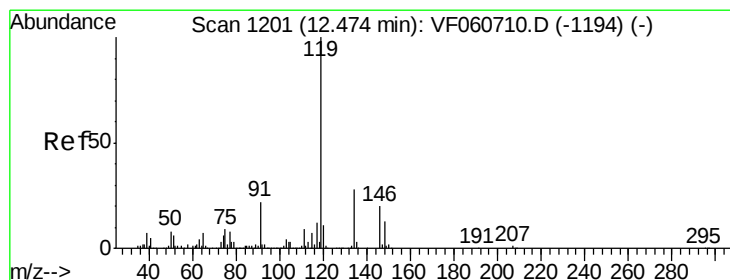
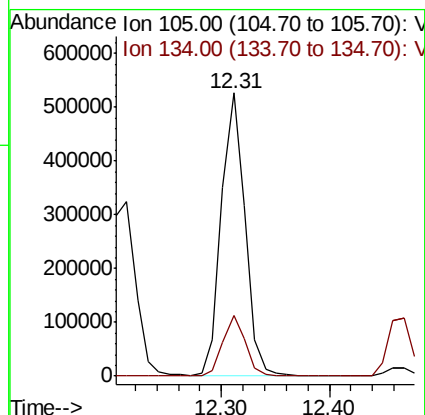
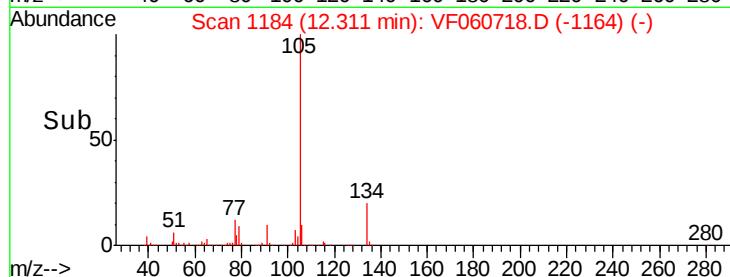
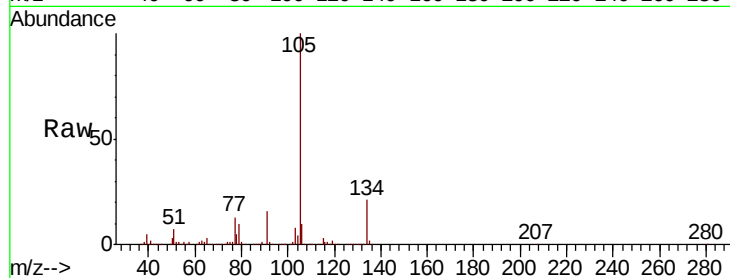
134 21.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 49.668 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

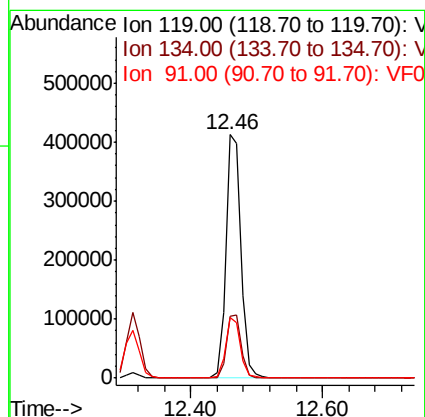
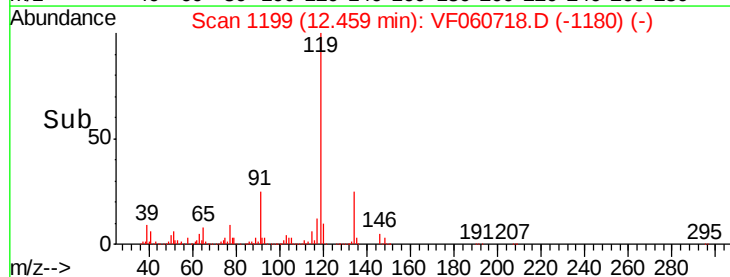
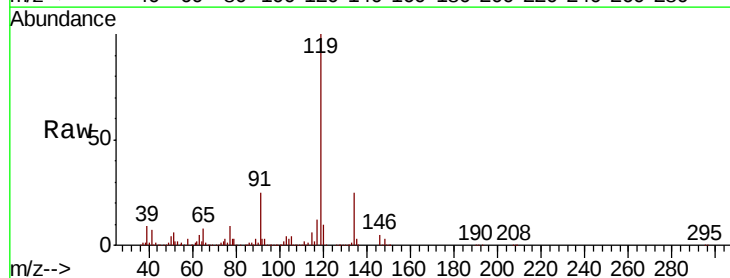
Tgt Ion:119 Resp: 656271

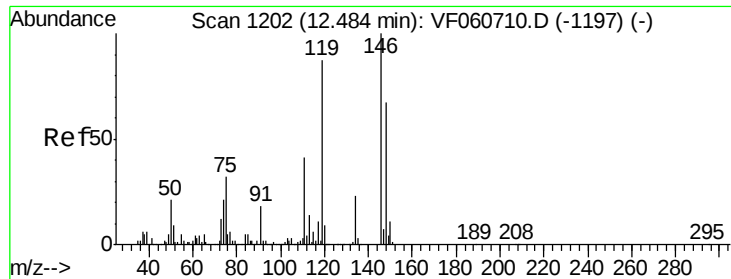
Ion Ratio Lower Upper

119 100

134 25.2 13.9 41.7

91 25.1 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 48.576 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

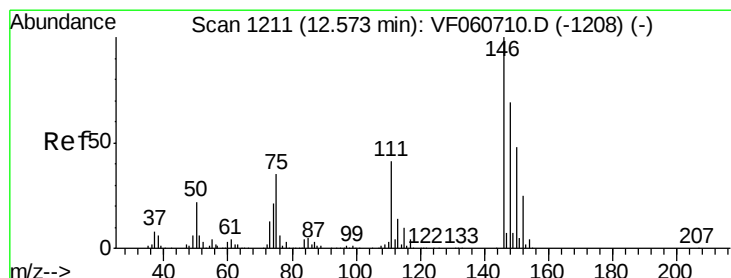
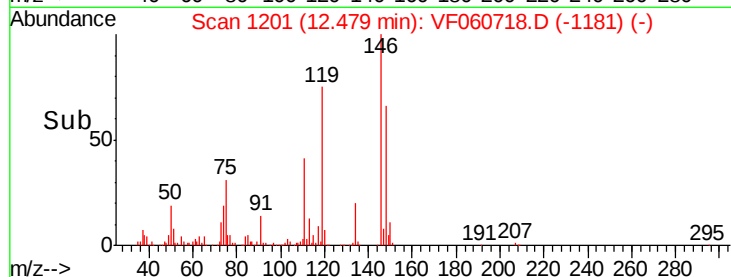
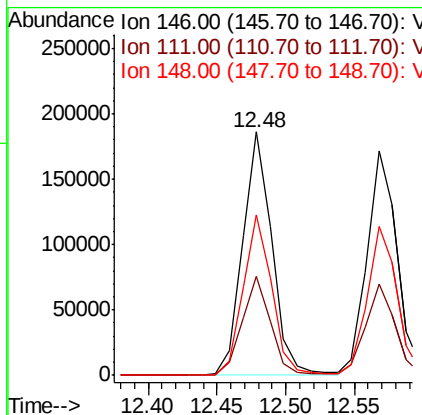
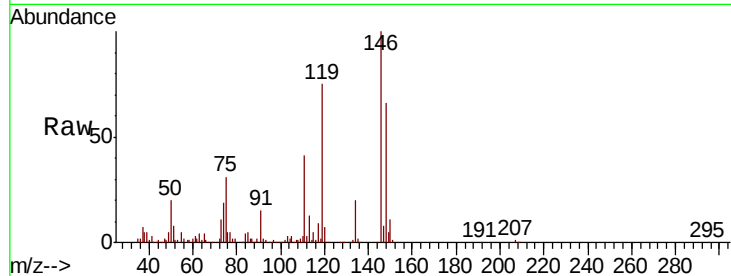
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	278397
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.8
148	65.7	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 48.196 ug/l

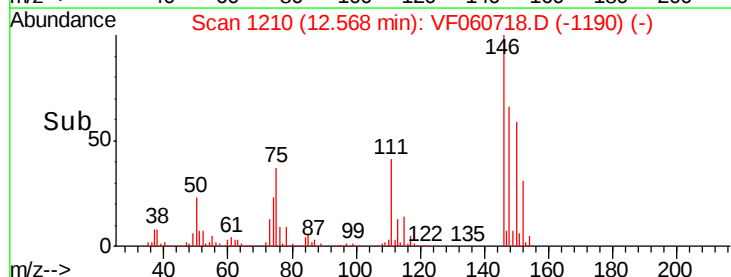
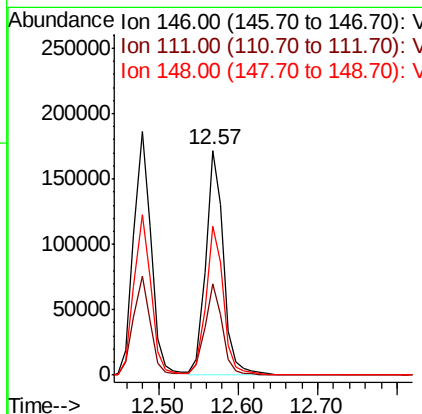
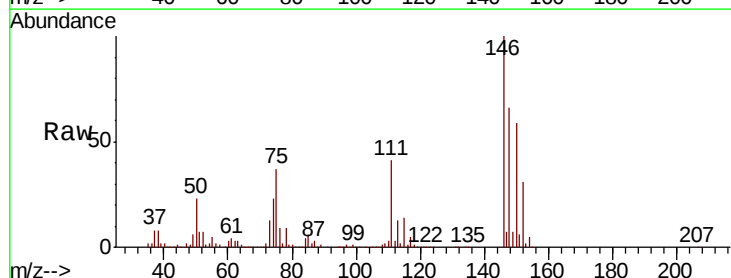
RT: 12.57 min Scan# 1210

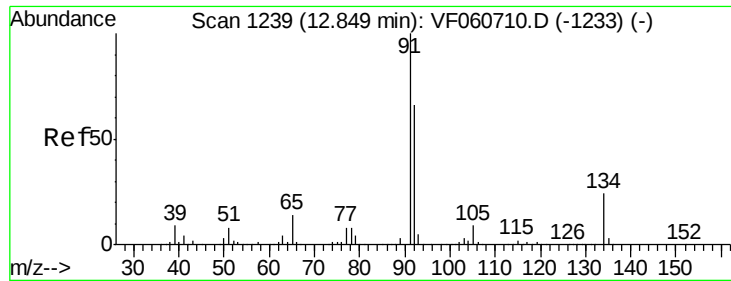
Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	146	Resp:	265469
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.6	61.9
148	66.5	34.7	104.1





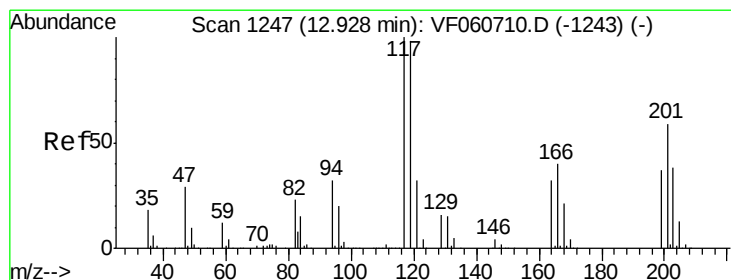
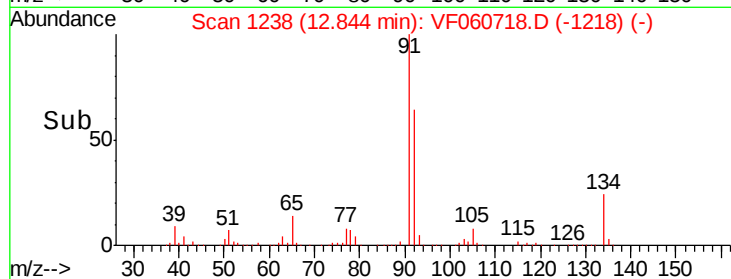
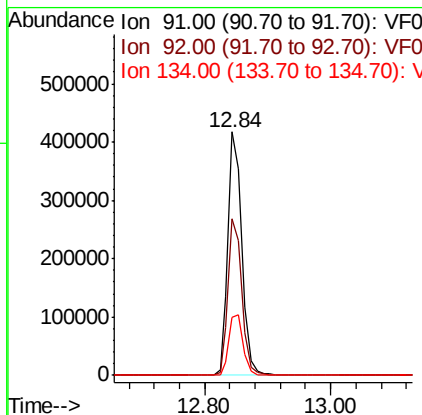
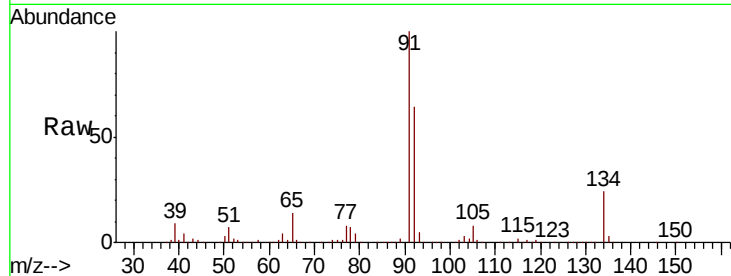
#89
n-Butylbenzene
Concen: 46.995 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		633689		
92	64.3	33.1	99.2		
134	23.9	11.9	35.9		

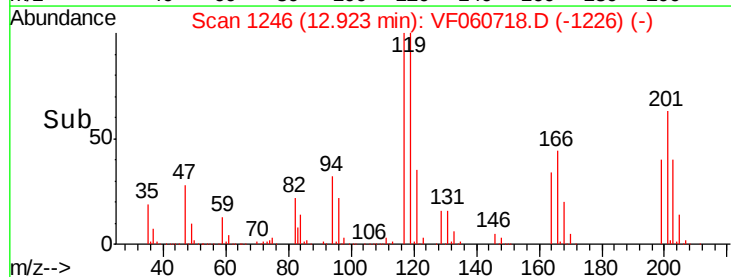
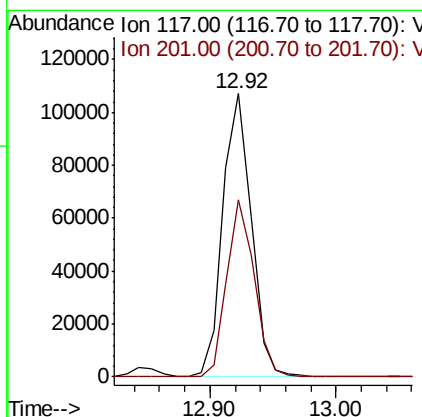
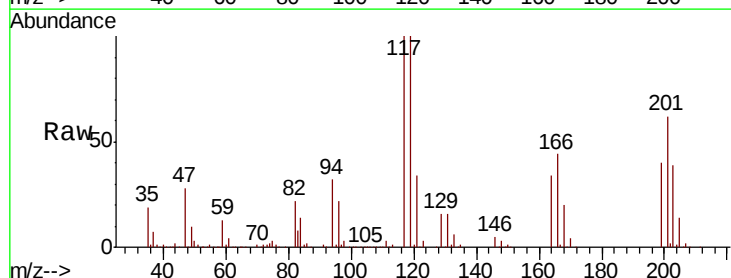
Manual Integrations
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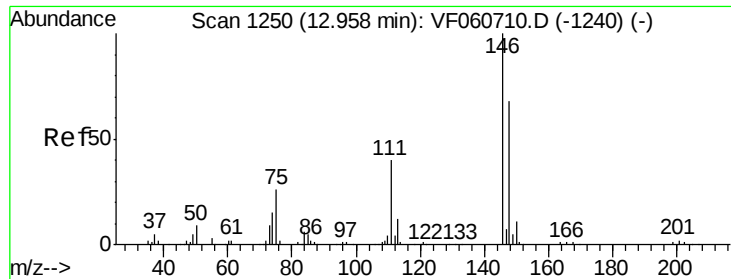
sam
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#90
Hexachloroethane
Concen: 51.872 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		167641		
201	62.8	29.4	88.3		





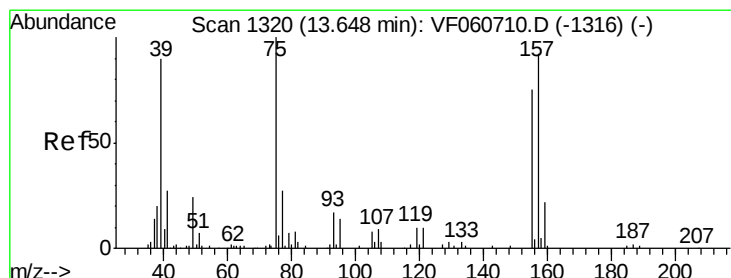
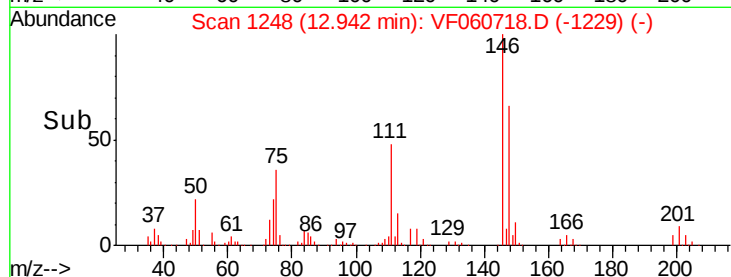
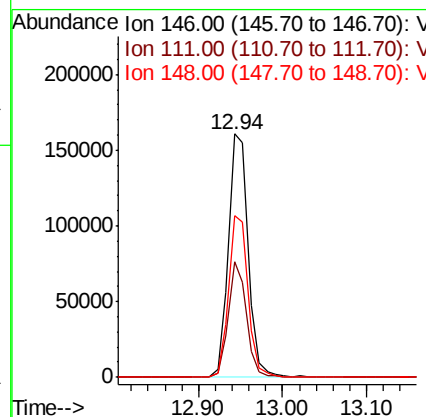
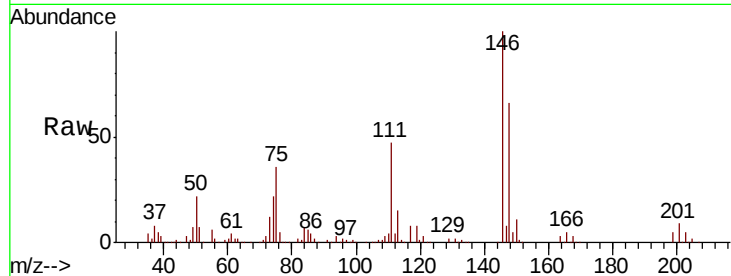
#91
 1,2-Dichlorobenzene
 Concen: 48.651 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	20.3	60.8
148	66.2	34.1	102.3

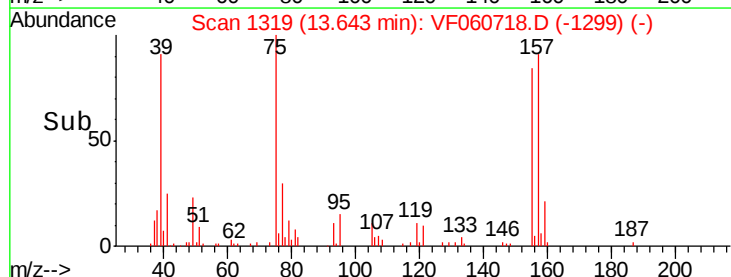
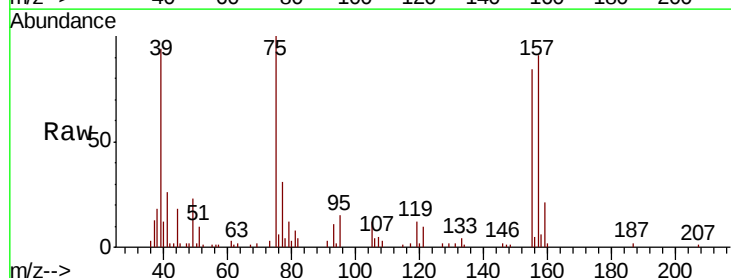
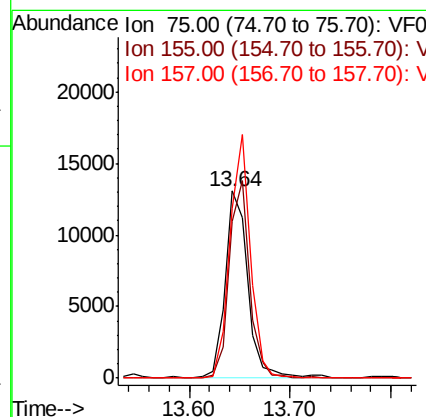
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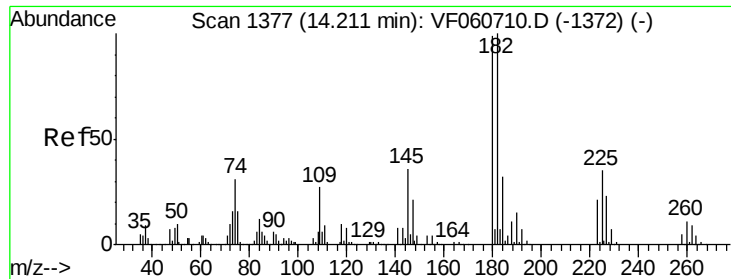
Sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.992 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	37.4	112.2
157	91.0	46.0	138.0





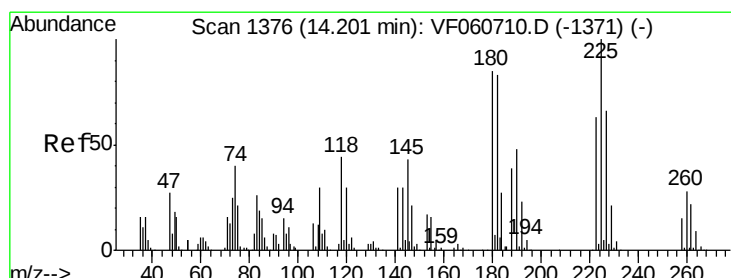
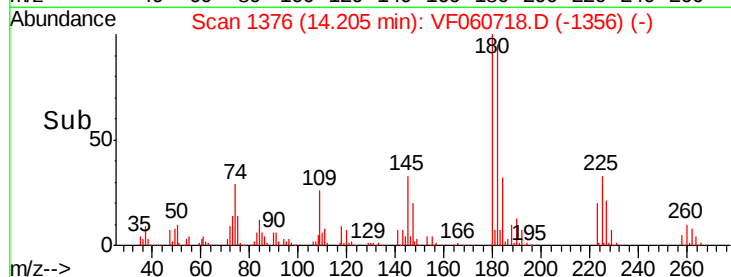
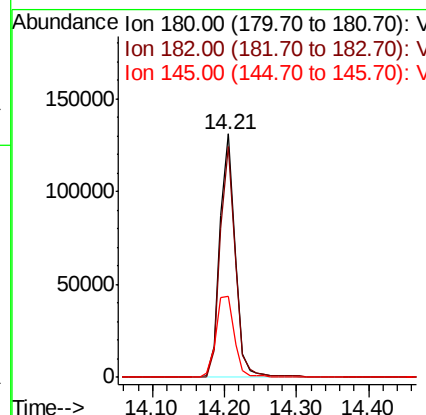
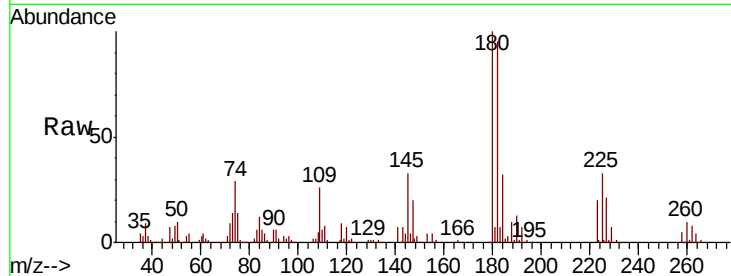
#93
 1,2,4-Trichlorobenzene
 Concen: 49.411 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	50.3	151.0	
145	33.4	18.3	54.9	

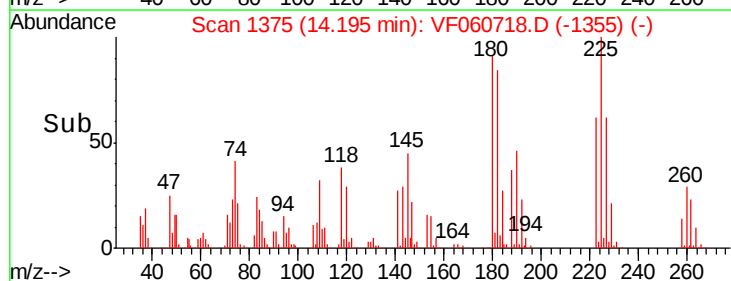
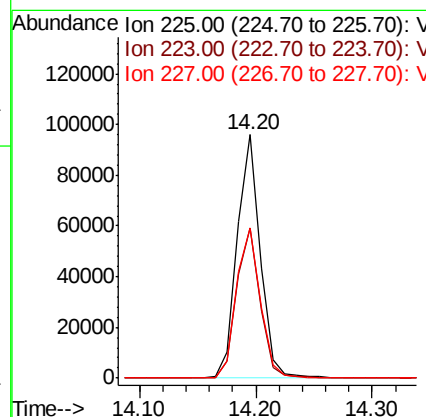
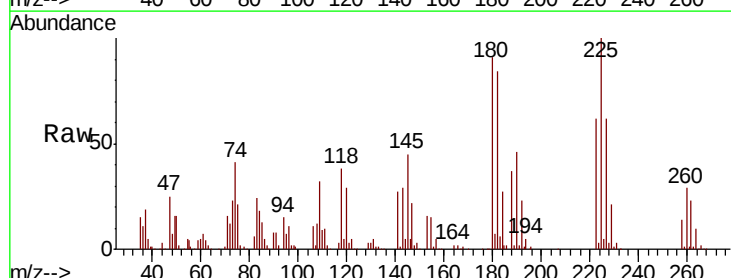
Manual Integrations
 APPROVED

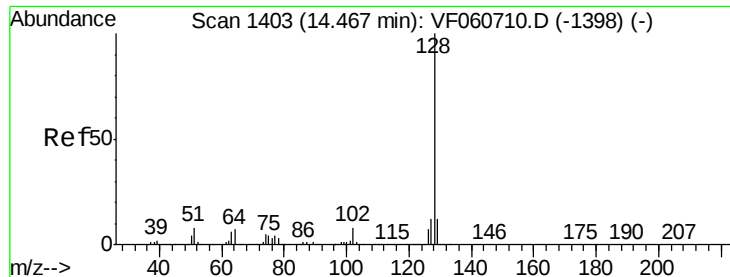
sam
 11/14/2018 11:54:06 AM



#94
 Hexachlorobutadiene
 Concen: 51.992 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.5	94.5	
227	61.6	33.0	99.0	





#95

Naphthalene

Concen: 49.719 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

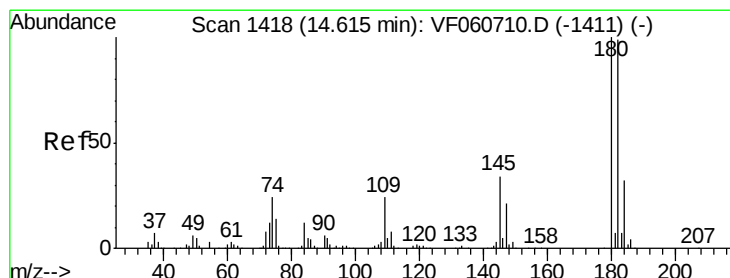
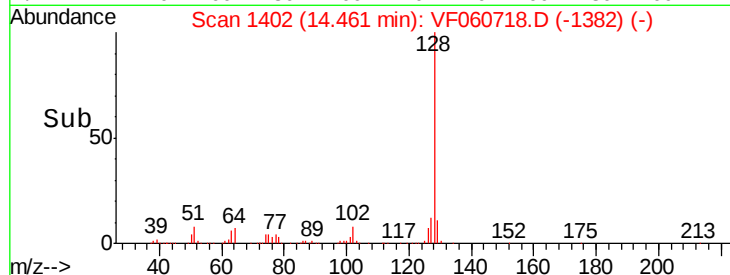
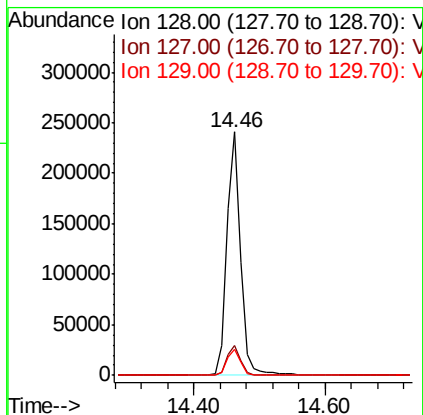
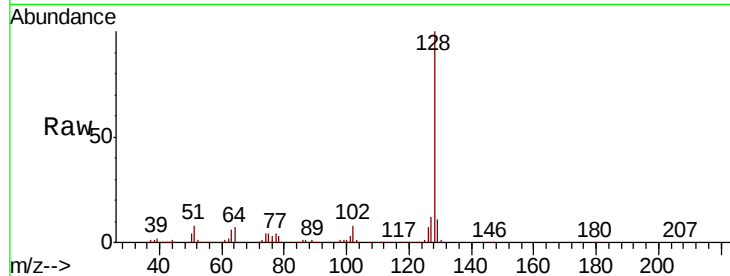
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	351867
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.6
129	10.7	9.3	13.9

Manual Integrations
APPROVED

sam
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#96

1,2,3-Trichlorobenzene

Concen: 52.094 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion:	180	Resp:	186705
Ion Ratio	Lower	Upper	
180	100		
182	97.2	49.6	149.0
145	32.4	16.9	50.7

