

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061788.D
 Acq On : 28 Feb 2019 15:30
 Operator : VA/AP
 Sample : VF0228SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2019 4:09:40 AM

Quant Time: Mar 01 00:32:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	266933	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	402861	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	345027	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	191014	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118647	60.61	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	121.22%	
35) Dibromofluoromethane	4.10	113	170451	56.98	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.96%	
50) Toluene-d8	7.54	98	469720	54.62	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	11.40	95	188890	54.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	81812	26.688	ug/l	98
3) Chloromethane	1.10	50	81492	25.337	ug/l	98
4) Vinyl Chloride	1.14	62	79129	26.465	ug/l	95
5) Bromomethane	1.32	94	47355	23.012	ug/l	93
6) Chloroethane	1.38	64	34575	23.465	ug/l	100
7) Trichlorofluoromethane	1.48	101	91600	25.400	ug/l	91
8) Diethyl Ether	1.62	74	19844	21.835	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	63848	24.542	ug/l #	91
10) Methyl Iodide	1.91	142	122273m	24.604	ug/l	
11) Tert butyl alcohol	2.57	59	12513	110.456	ug/l	96
12) 1,1-Dichloroethene	1.79	96	57589	25.177	ug/l	93
13) Acrolein	2.00	56	13373	93.925	ug/l	97
14) Allyl chloride	2.09	41	66538m	23.706	ug/l	
15) Acrylonitrile	2.93	53	43431	108.084	ug/l	95
16) Acetone	2.23	43	50052	119.176	ug/l #	84
17) Carbon Disulfide	1.83	76	173157m	24.083	ug/l	
18) Methyl Acetate	2.34	43	22685	23.977	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	102038	26.102	ug/l	96
20) Methylene Chloride	2.18	84	77213m	33.476	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	58795	23.645	ug/l	94
22) Diisopropyl ether	2.80	45	169379	25.139	ug/l	97
23) Vinyl Acetate	3.18	43	367752	111.751	ug/l	99
24) 1,1-Dichloroethane	2.87	63	98943	24.267	ug/l	98
25) 2-Butanone	4.33	43	102799	112.058	ug/l	100
26) 2,2-Dichloropropane	3.60	77	46460	26.901	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	79061	24.224	ug/l	98
28) Bromochloromethane	3.71	49	42990	21.974	ug/l	99
29) Tetrahydrofuran	4.06	42	46108	110.583	ug/l	95
30) Chloroform	3.85	83	116550	25.135	ug/l	98
31) Cyclohexane	3.68	56	104120m	23.589	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	69212	22.786	ug/l	99
36) 1,1-Dichloropropene	4.27	75	93290	23.376	ug/l	93
37) Ethyl Acetate	4.10	43	38102	20.555	ug/l #	77
38) Carbon Tetrachloride	3.98	117	72074	26.154	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	110641	23.442	ug/l	98
40) Benzene	4.62	78	252571	24.196	ug/l	98
41) Methacrylonitrile	4.73	41	20823	21.966	ug/l	94
42) 1,2-Dichloroethane	4.93	62	63342	25.367	ug/l	97
43) Isopropyl Acetate	6.95	43	45121	20.564	ug/l #	93
44) Trichloroethene	5.49	130	85115	25.215	ug/l	96
45) 1,2-Dichloropropane	6.22	63	57401	22.749	ug/l	98
46) Dibromomethane	6.07	93	36684	23.613	ug/l	90
47) Bromodichloromethane	6.38	83	80185	23.569	ug/l	98
48) Methyl methacrylate	6.70	41	29930	22.667	ug/l	91
49) 1,4-Dioxane	6.70	88	5218	420.383	ug/l #	80
51) 4-Methyl-2-Pentanone	8.25	43	161679	103.126	ug/l	98
52) Toluene	7.61	92	152784	24.133	ug/l	94
53) t-1,3-Dichloropropene	8.26	75	62818	22.186	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	88327	23.420	ug/l	94
55) 1,1,2-Trichloroethane	8.48	97	42489	22.843	ug/l	98
56) Ethyl methacrylate	8.60	69	43686	21.095	ug/l	97
57) 1,3-Dichloropropane	8.84	76	67719	21.812	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	35259	98.679	ug/l	96
59) 2-Hexanone	9.48	43	124939	113.687	ug/l	99
60) Dibromochloromethane	8.70	129	59659	23.043	ug/l	91
61) 1,2-Dibromoethane	8.97	107	47051	23.321	ug/l	95
64) Tetrachloroethene	8.13	164	66839	23.700	ug/l	92
65) Chlorobenzene	9.78	112	165978	23.706	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	66563	24.262	ug/l	94
67) Ethyl Benzene	9.89	91	282143	24.232	ug/l	97
68) m/p-Xylenes	10.11	106	209925	47.110	ug/l	97
69) o-Xylene	10.70	106	120485	25.340	ug/l	99
70) Styrene	10.77	104	162931	24.222	ug/l	98
71) Bromoform	10.76	173	34421	23.105	ug/l	99
73) Isopropylbenzene	11.11	105	330797	24.324	ug/l	100
74) N-amyl acetate	11.37	43	73098	22.393	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	55343	22.715	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	37378	22.564	ug/l	94
77) Bromobenzene	11.48	156	79098	23.543	ug/l	94
78) n-propylbenzene	11.58	91	381882	24.470	ug/l	99
79) 2-Chlorotoluene	11.71	91	215040	24.603	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	271421	24.971	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	17014m	21.424	ug/l	
82) 4-Chlorotoluene	11.89	91	217926	24.022	ug/l	97
83) tert-Butylbenzene	12.12	119	289011	24.006	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	258279	23.918	ug/l	97
85) sec-Butylbenzene	12.29	105	374555	24.058	ug/l	95
86) p-Isopropyltoluene	12.45	119	328497	25.142	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	155702	23.772	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	150961	23.965	ug/l	97
89) n-Butylbenzene	12.84	91	305000	24.721	ug/l	97
90) Hexachloroethane	12.90	117	76667	25.230	ug/l	88
91) 1,2-Dichlorobenzene	12.93	146	150615	24.176	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8085	20.930	ug/l	71

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	103782	23.241	ug/l	96
94) Hexachlorobutadiene	14.18	225	69071	25.045	ug/l	98
95) Naphthalene	14.44	128	180758	23.136	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	95605	23.326	ug/l	93

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

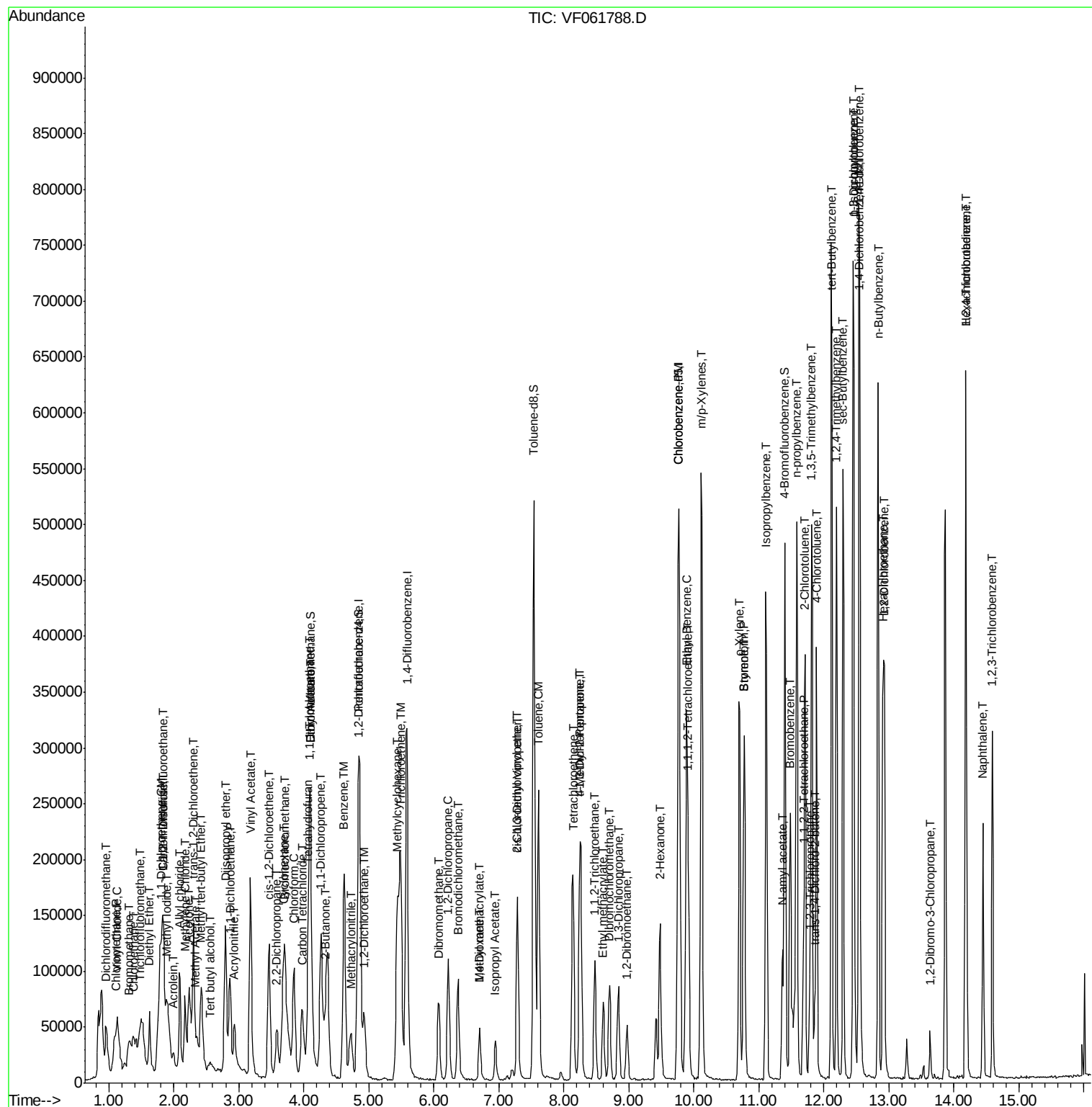
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Data File : VF061788.D
Acq On : 28 Feb 2019 15:30
Operator : VA/AP
Sample : VF0228SBSD01
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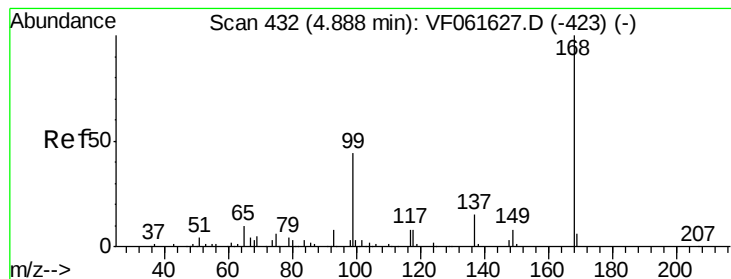
Instrument :
MSVOA_F
Client Sample ID :
VF0228SBSD01

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBSD01

Tot Ion:168 Resp: 266933

Ion Ratio Lower Upper

168 100

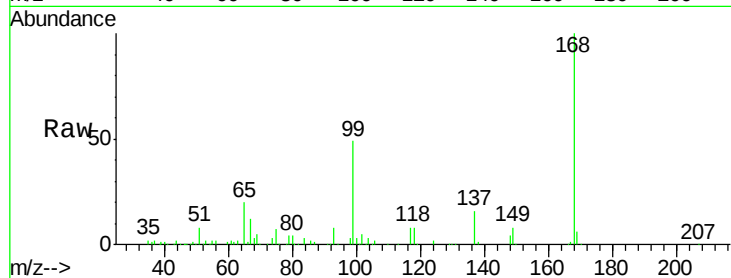
99 49.3 34.9 52.3

Manual Integrations

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3/2/2019 4:09:40 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

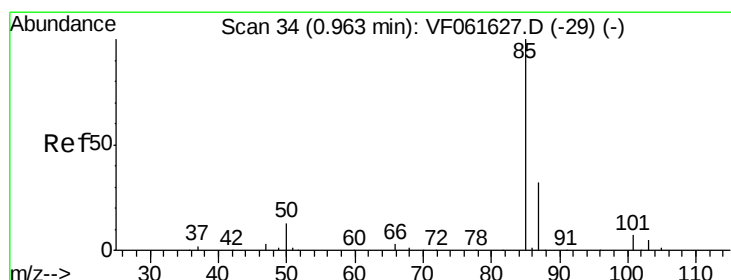
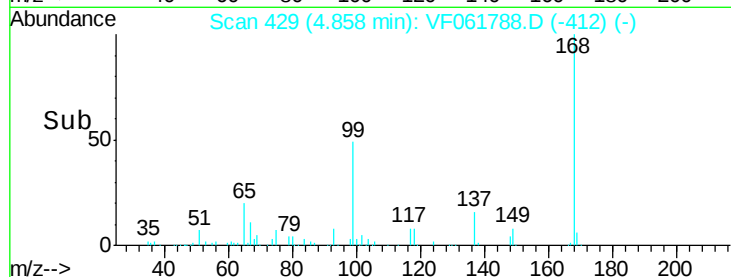
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.688 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061788.D

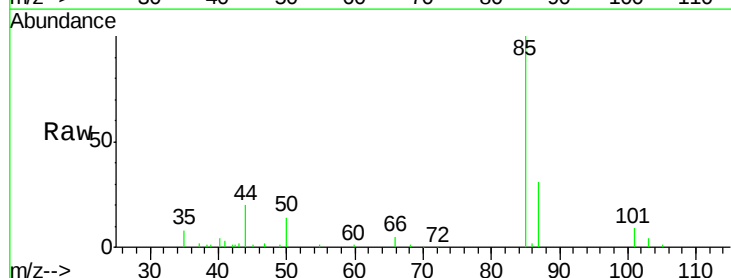
Acq: 28 Feb 2019 15:30

Tgt Ion: 85 Resp: 81812

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

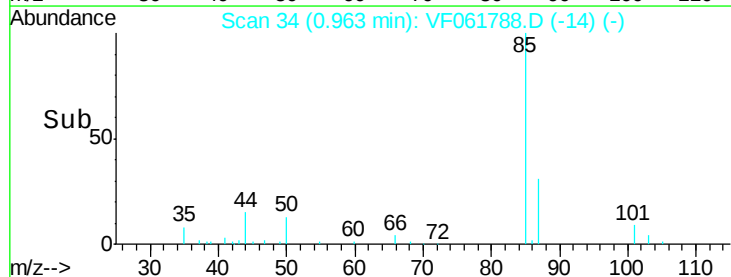
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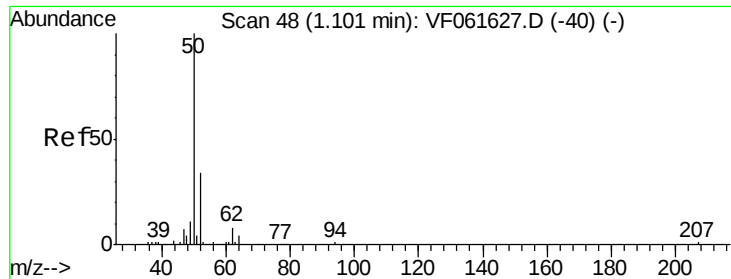
10000

5000

0

Time-->





#3

Chloromethane

Concen: 25.337 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBSD01

Tot Ion: 50 Resp: 81492

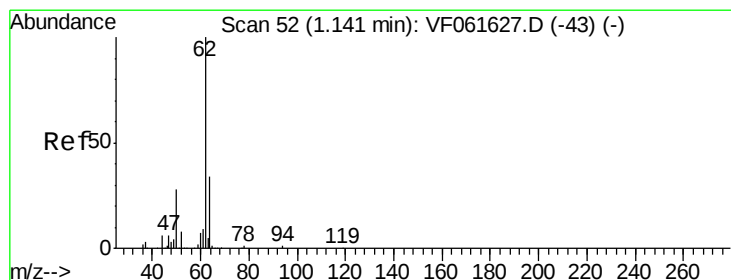
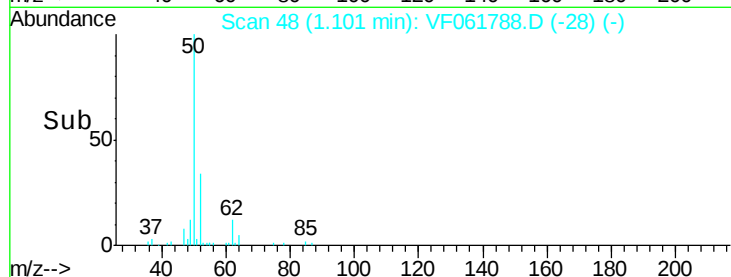
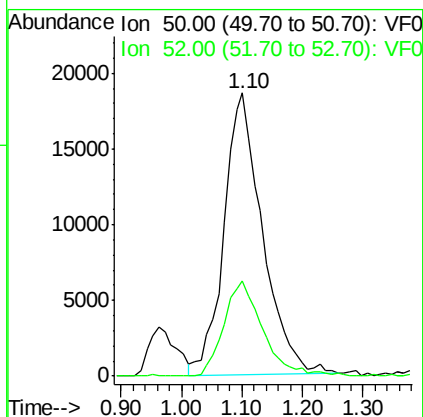
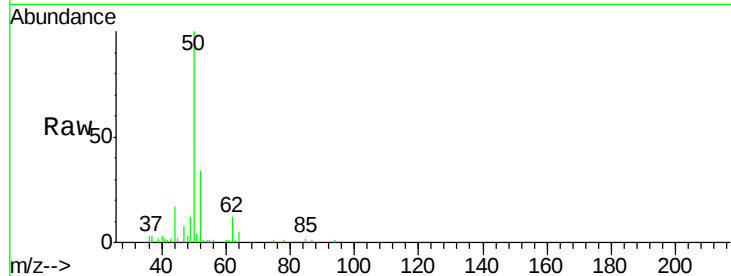
Ion Ratio Lower Upper

50 100

52 33.7 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 26.465 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061788.D

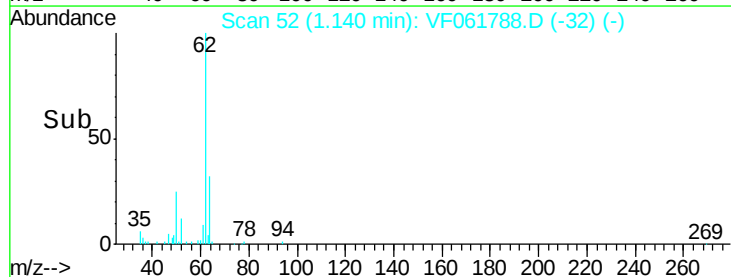
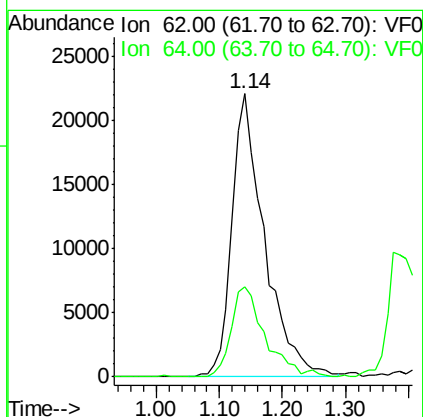
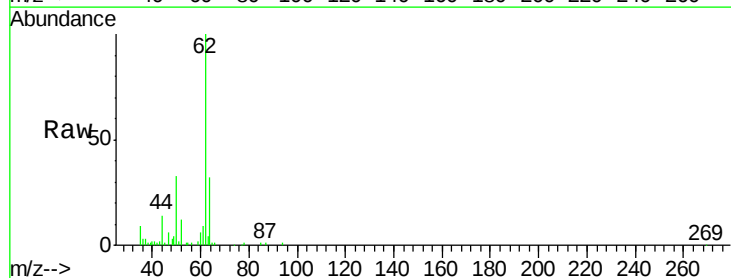
Acq: 28 Feb 2019 15:30

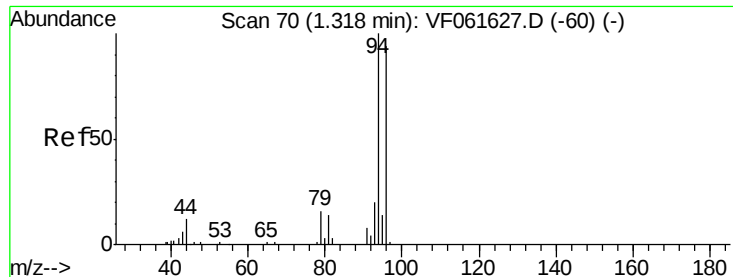
Tgt Ion: 62 Resp: 79129

Ion Ratio Lower Upper

62 100

64 31.7 27.5 41.3





#5

Bromomethane

Concen: 23.012 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion: 94 Resp: 47355

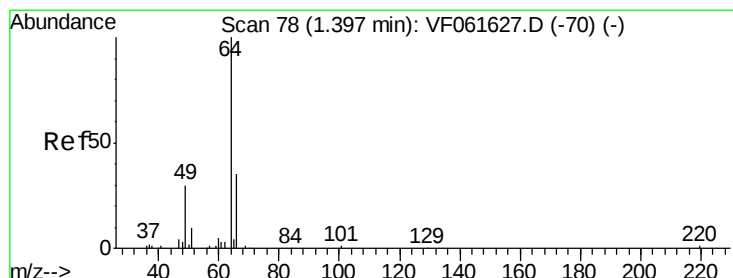
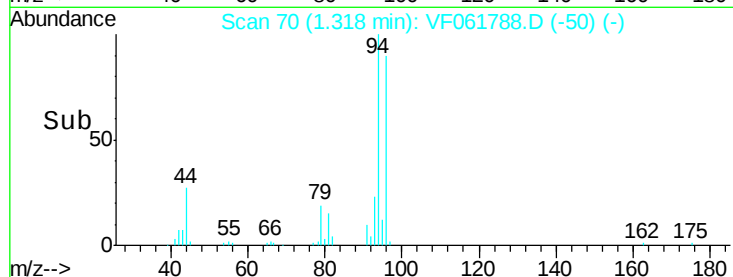
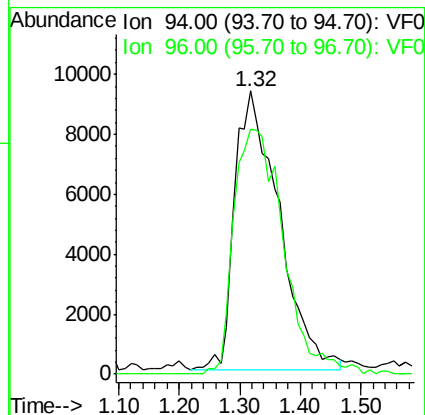
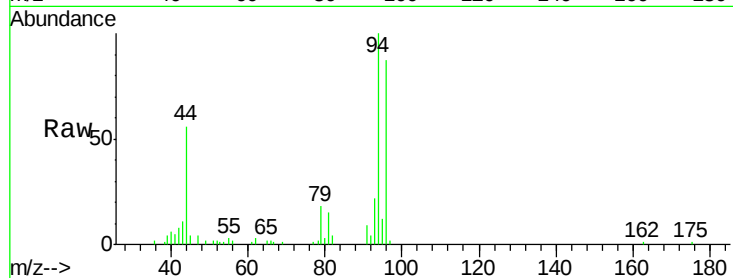
Ion Ratio Lower Upper

94 100

96 86.7 74.6 112.0

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#6

Chloroethane

Concen: 23.465 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061788.D

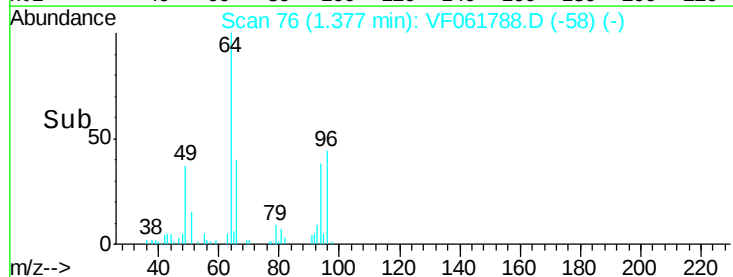
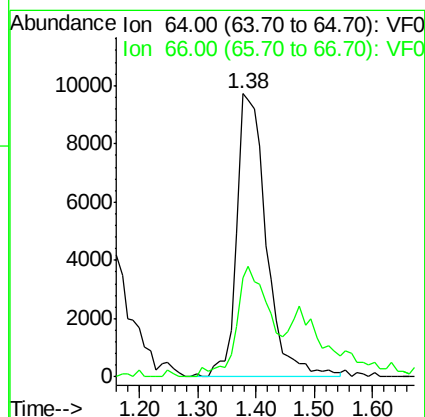
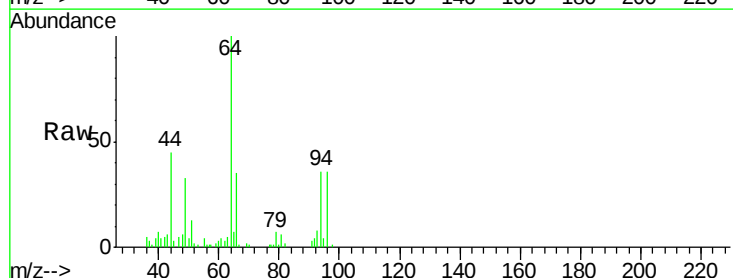
Acq: 28 Feb 2019 15:30

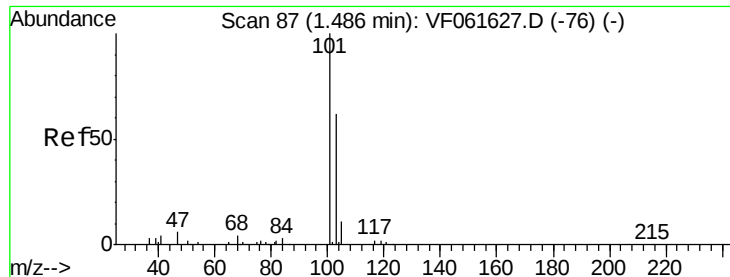
Tgt Ion: 64 Resp: 34575

Ion Ratio Lower Upper

64 100

66 35.1 27.9 41.9





#7

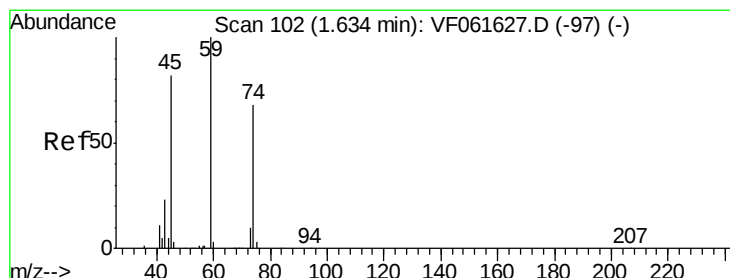
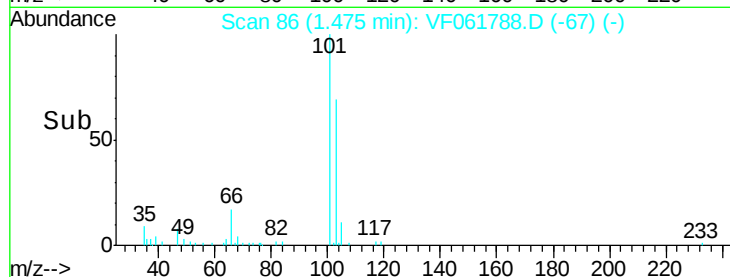
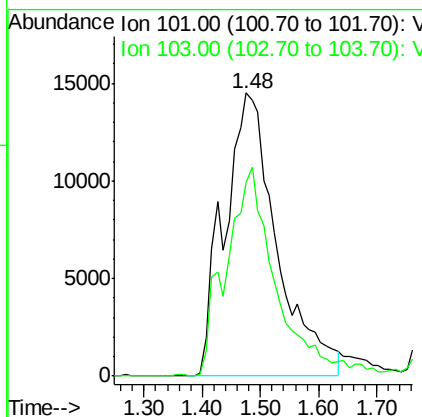
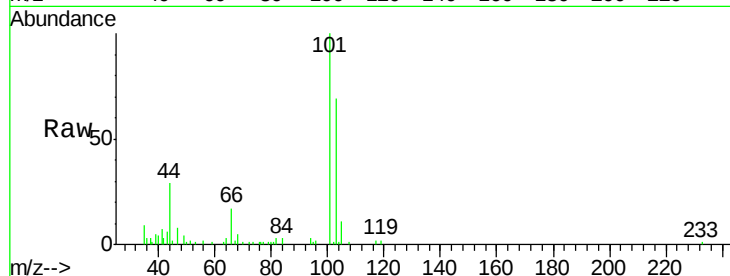
Trichlorofluoromethane
 Concen: 25.400 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	49.3	73.9

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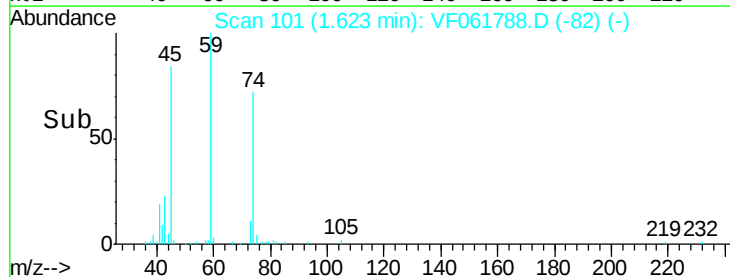
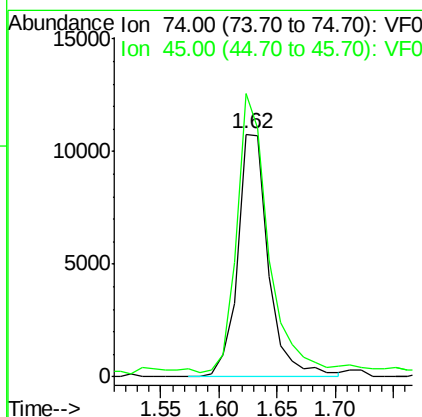
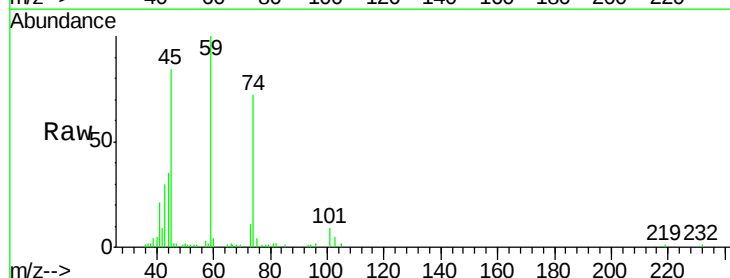
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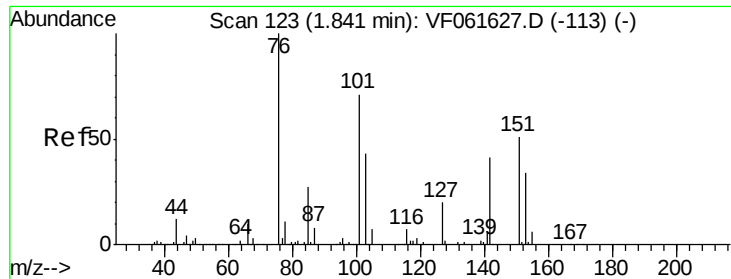


#8

Diethyl Ether
 Concen: 21.835 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.6	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.542 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

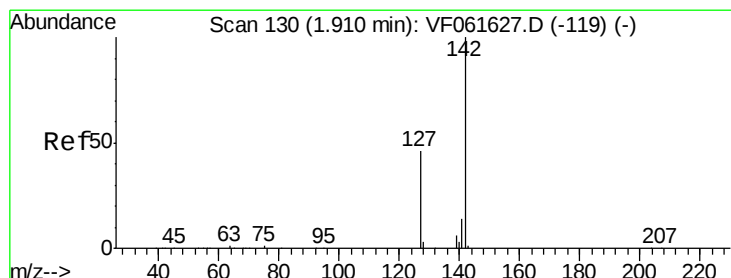
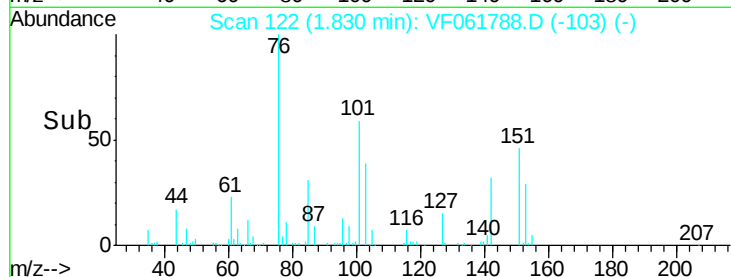
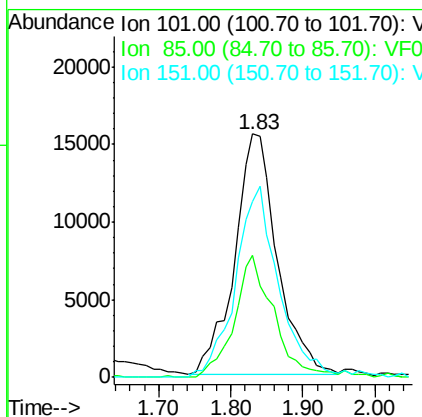
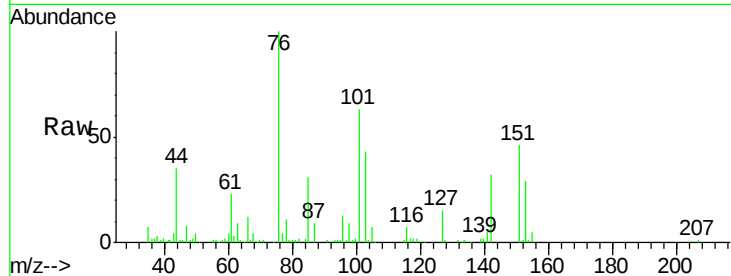
ClientSampleId :

VF0228SBS01

Tot Ion:	101	Resp:	63848
Ion Ratio	Lower	Upper	
101	100		
85	49.9	29.8	44.6#
151	72.5	56.3	84.5

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#10

Methyl Iodide

Concen: 24.604 ug/l m

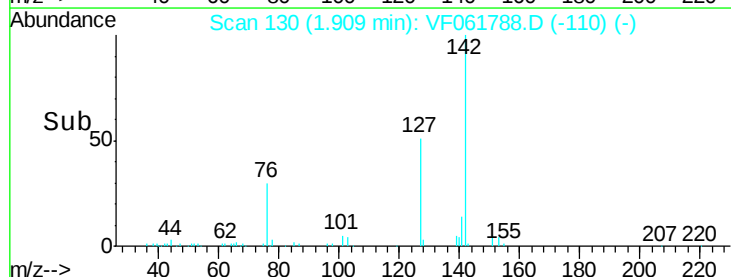
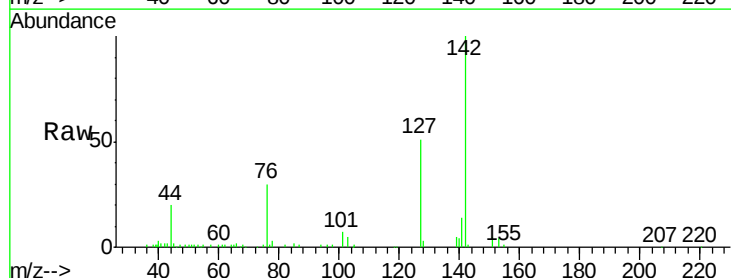
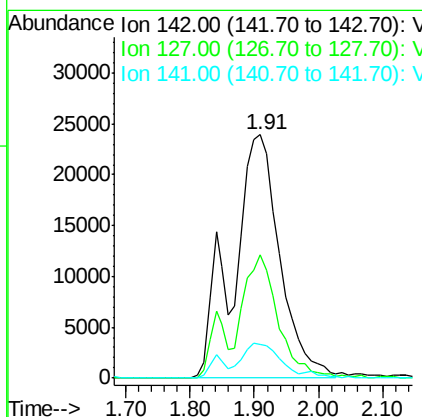
RT: 1.91 min Scan# 130

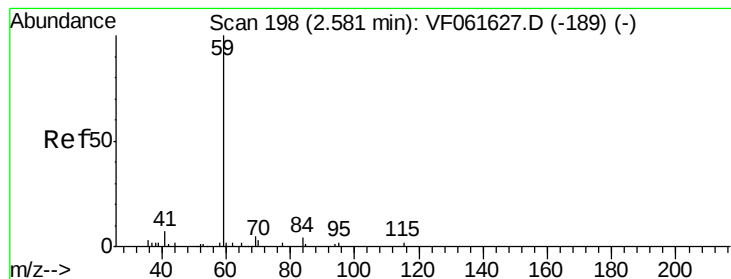
Delta R.T. -0.00 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	142	Resp:	122273
Ion Ratio	Lower	Upper	
142	100		
127	50.9	36.6	55.0
141	13.9	11.0	16.6





#11

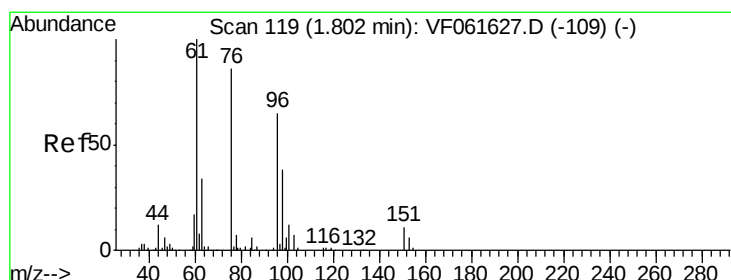
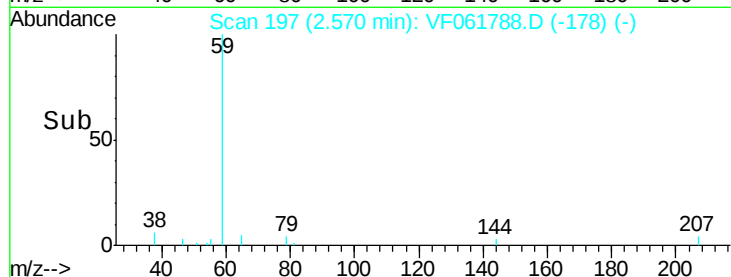
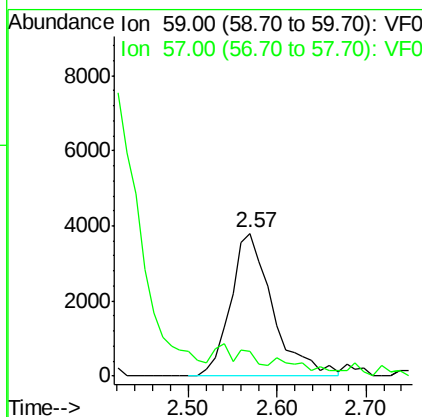
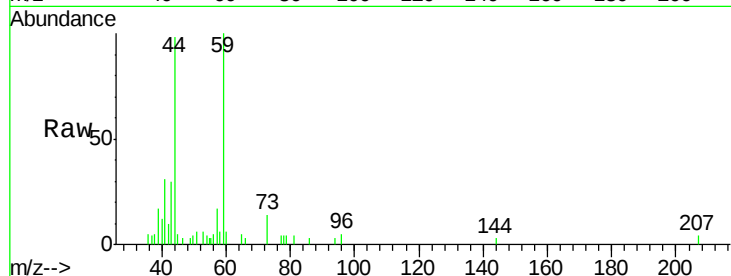
Tert butyl alcohol
Concen: 110.456 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.4	12.5	18.7

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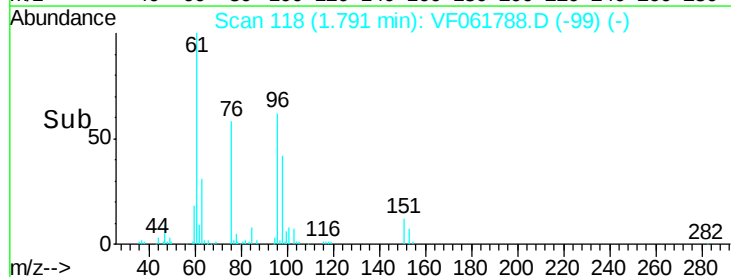
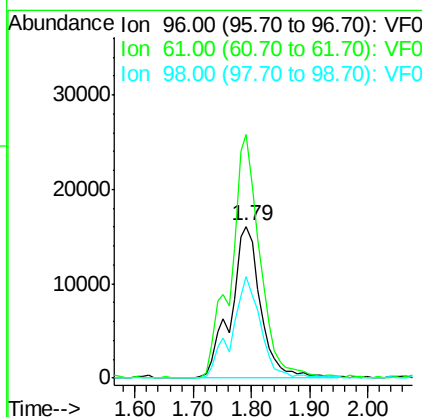
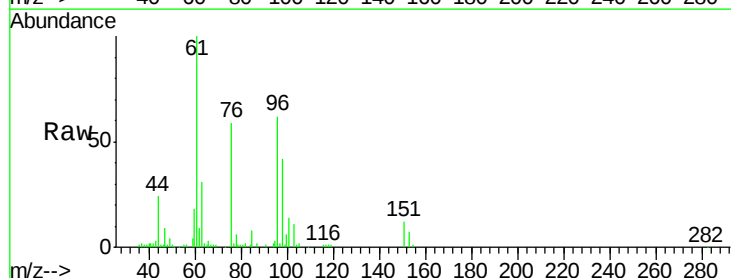
MMDadoda
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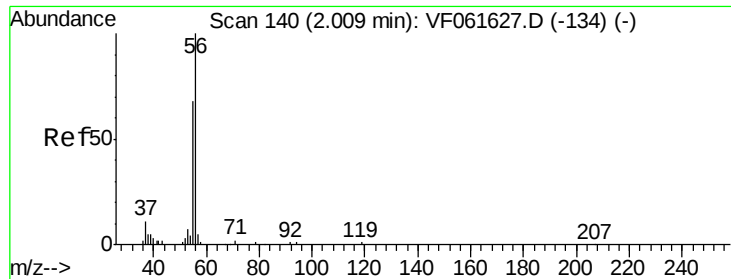


#12

1,1-Dichloroethene
Concen: 25.177 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	122.6	184.0
98	66.7	47.2	70.8





#13

Acrolein

Concen: 93.925 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBSD01

Tot Ion: 56 Resp: 13373

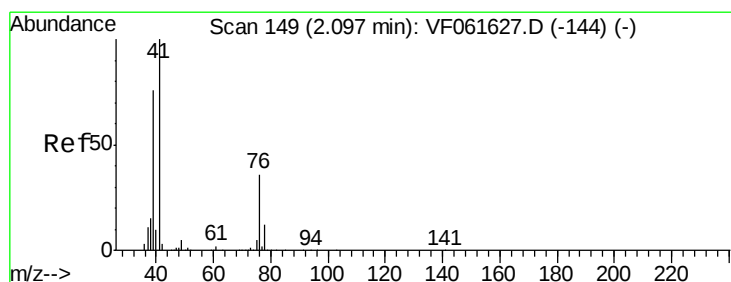
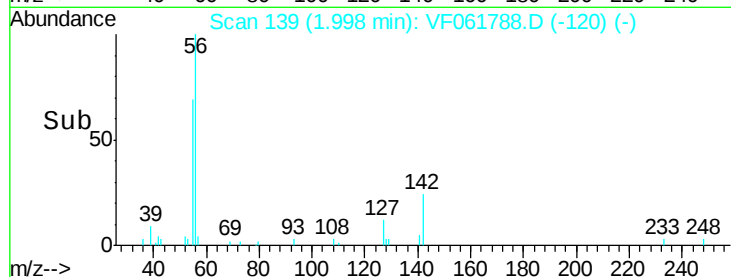
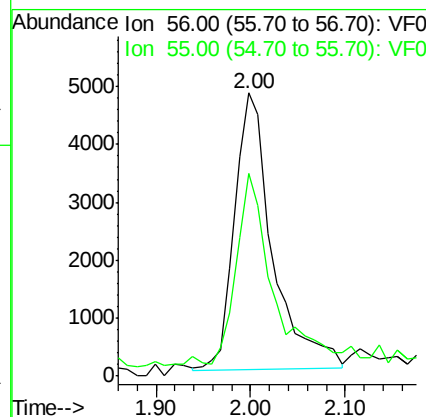
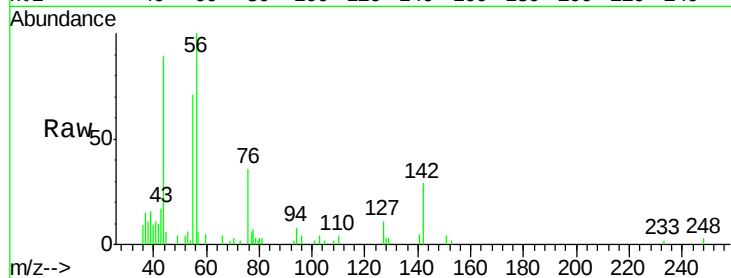
Ion Ratio Lower Upper

56 100

55 71.5 55.0 82.6

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#14

Allyl chloride

Concen: 23.706 ug/l m

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

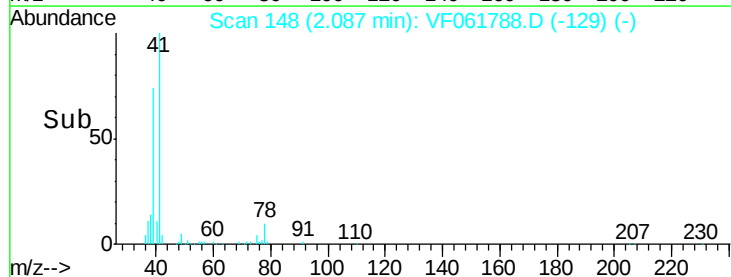
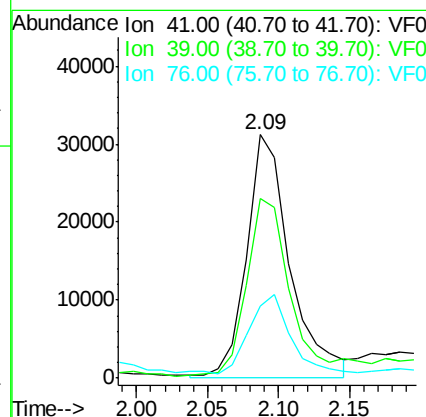
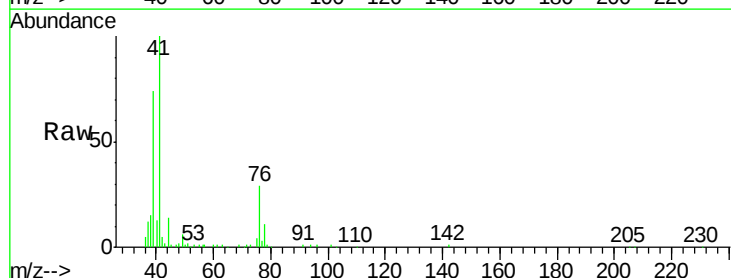
Tgt Ion: 41 Resp: 66538

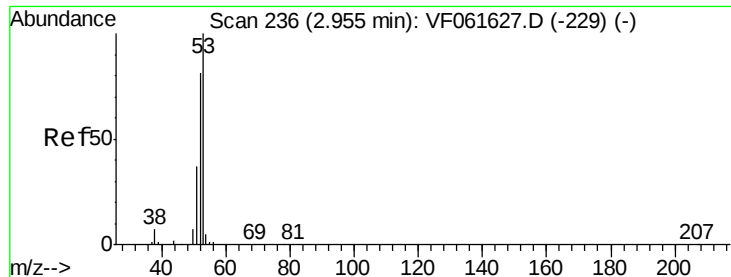
Ion Ratio Lower Upper

41 100

39 73.8 61.6 92.4

76 29.4 30.3 45.5#





#15

Acrylonitrile

Concen: 108.084 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

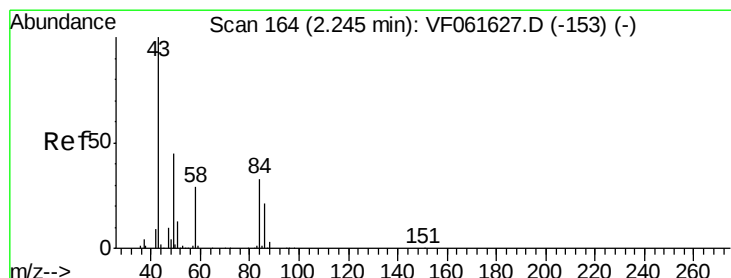
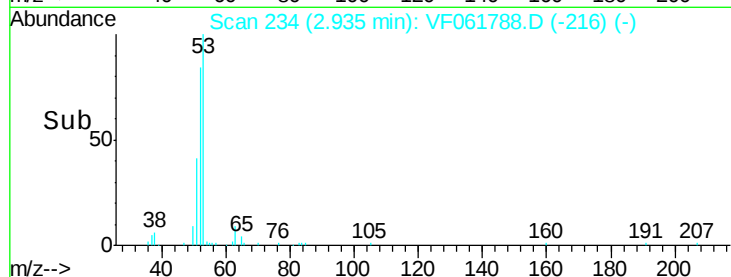
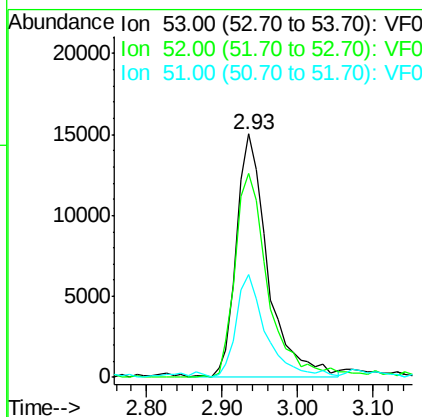
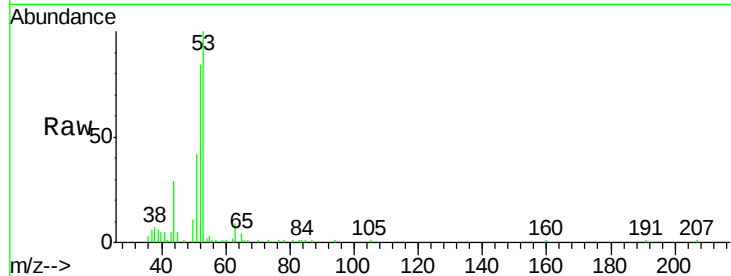
ClientSampleId :

VF0228SBS01

Tot Ion:	53	Resp:	43431
Ion	Ratio	Lower	Upper
53	100		
52	83.9	64.6	97.0
51	42.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 119.176 ug/l

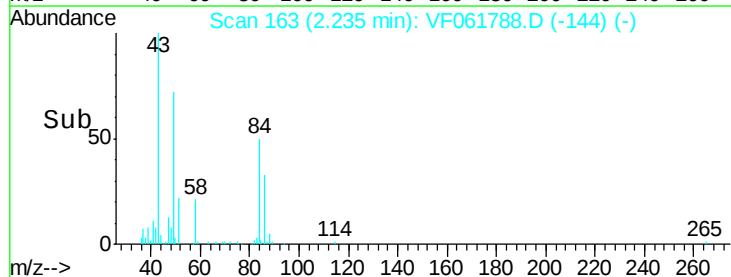
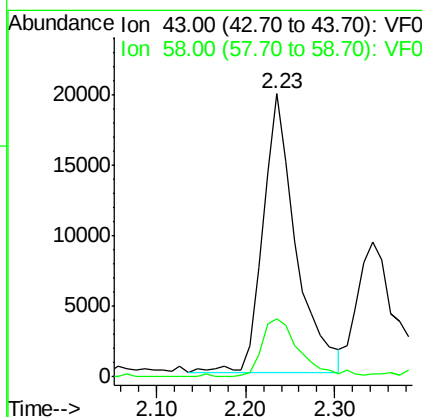
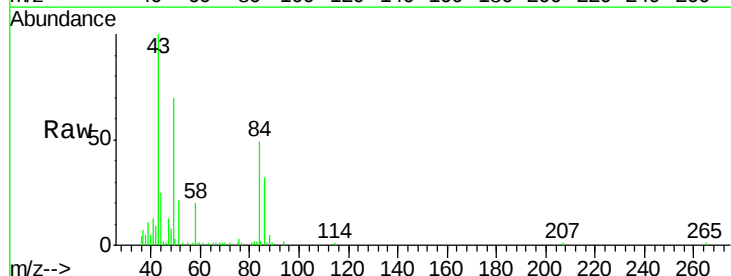
RT: 2.23 min Scan# 163

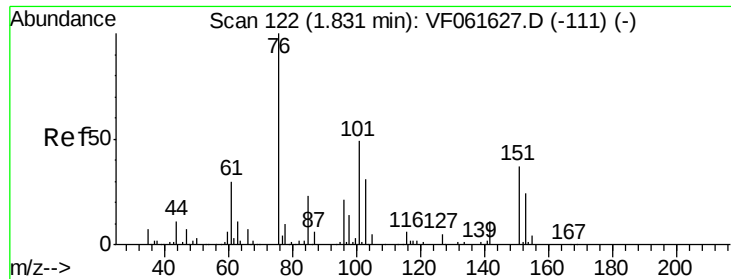
Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	43	Resp:	50052
Ion	Ratio	Lower	Upper
43	100		
58	20.4	22.9	34.3#





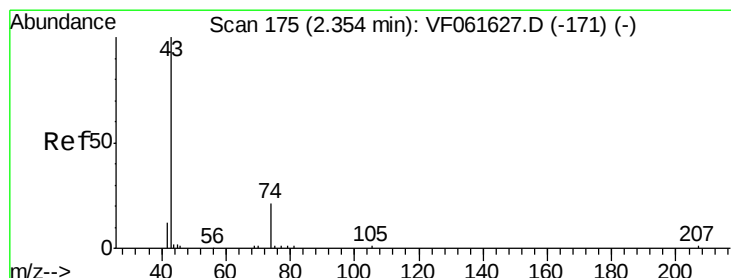
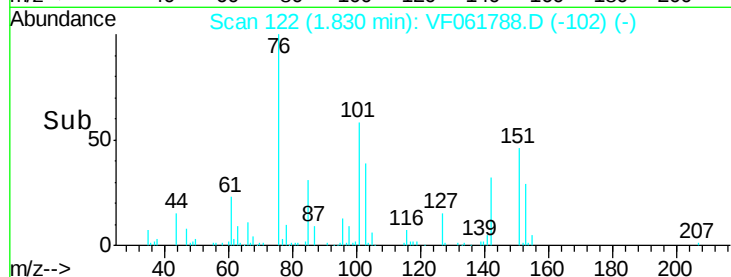
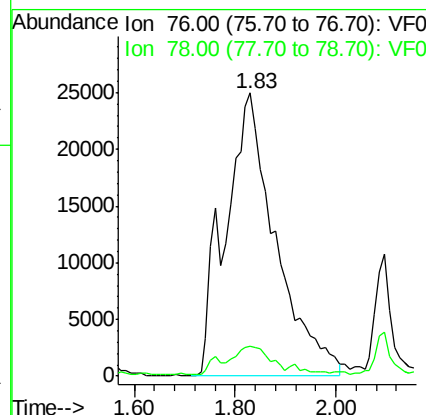
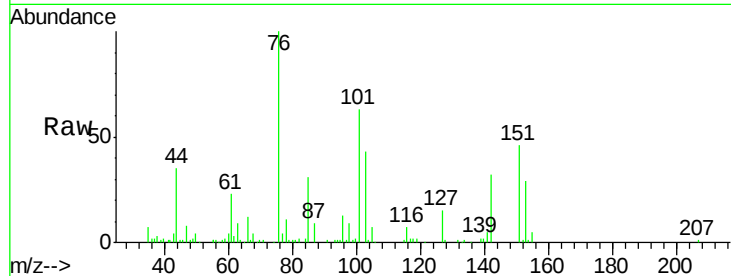
#17
Carbon Disulfide
Concen: 24.083 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	76	Resp	173157
Ion Ratio	Lower	Upper	
76	100		
78	10.7	7.9	11.9

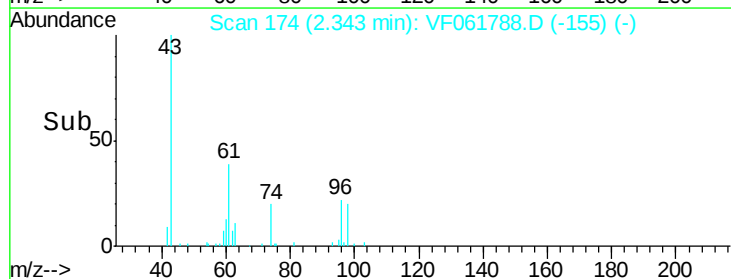
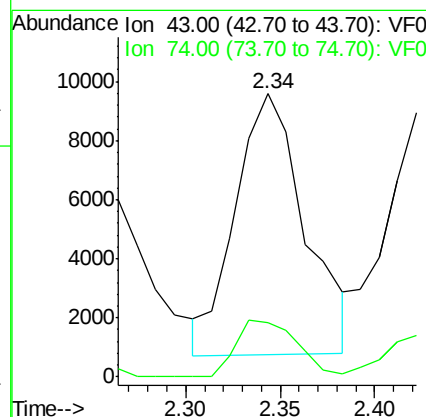
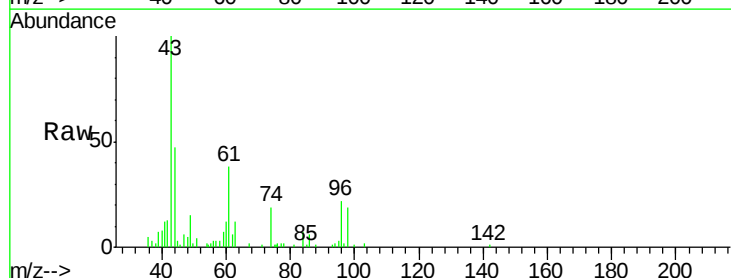
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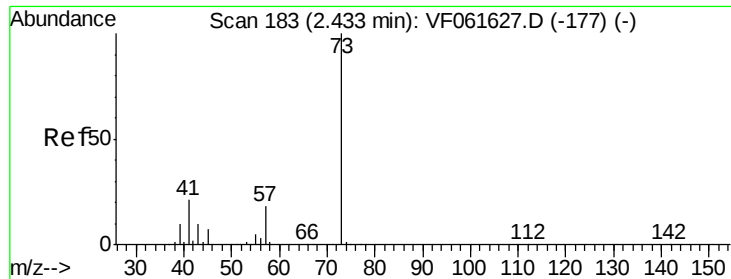
MMDadoda
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#18
Methyl Acetate
Concen: 23.977 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	43	Resp	22685
Ion Ratio	Lower	Upper	
43	100		
74	19.0	14.6	21.8





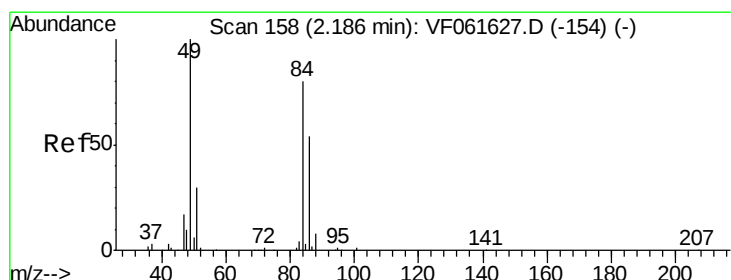
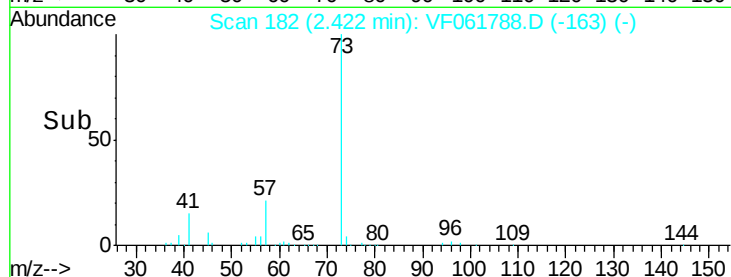
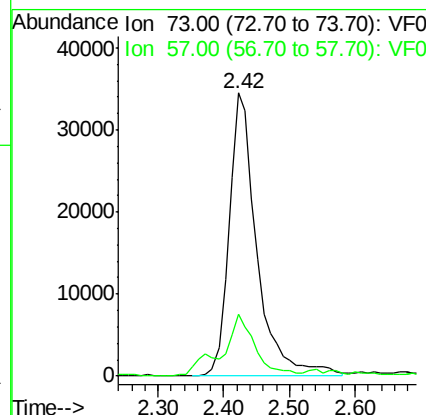
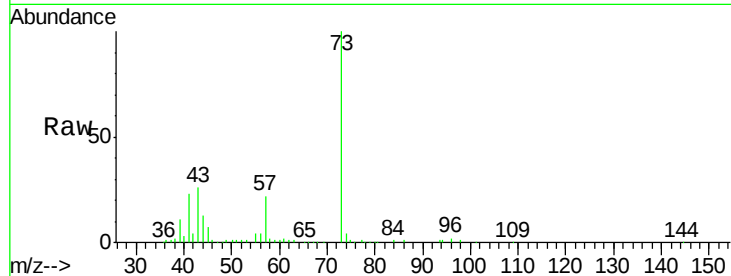
#19
Methvl tert-butvl Ether
Concen: 26.102 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion: 73 Resp: 102038
Ion Ratio Lower Upper
73 100
57 21.8 15.8 23.8

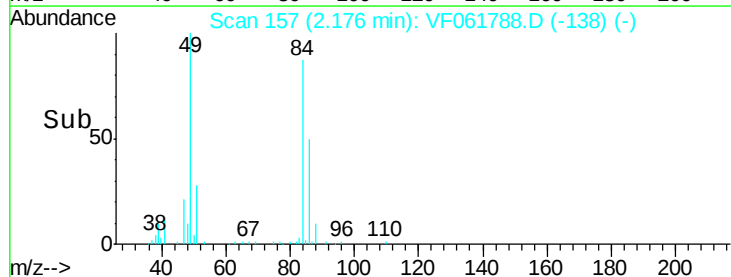
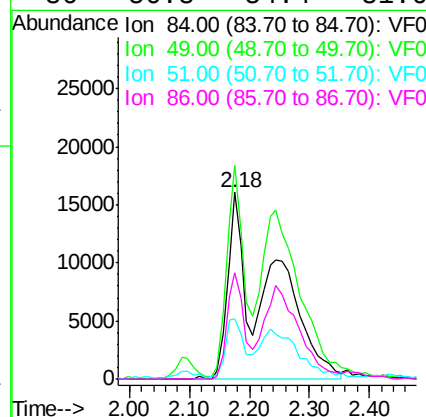
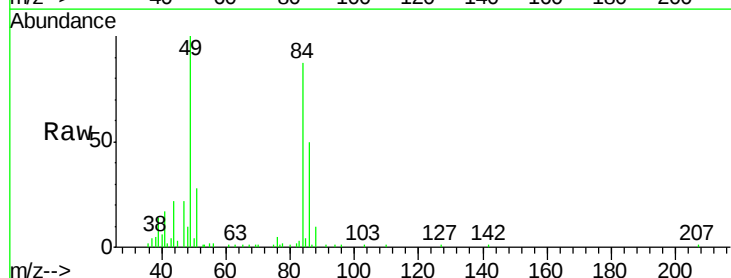
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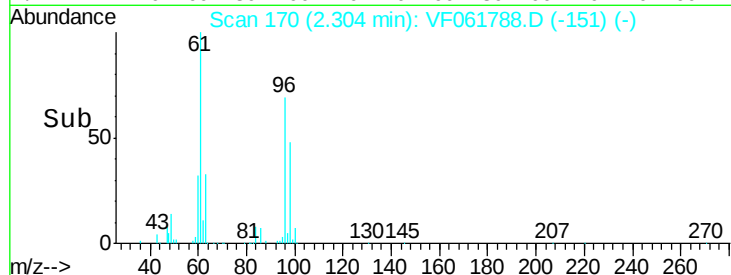
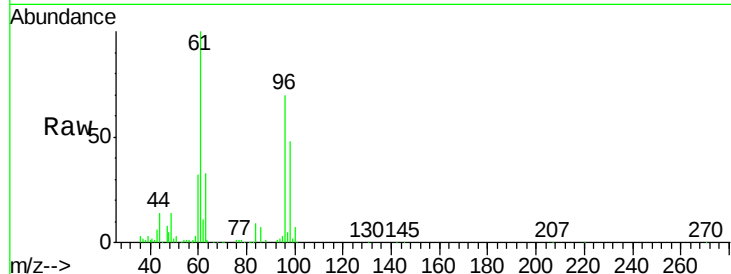
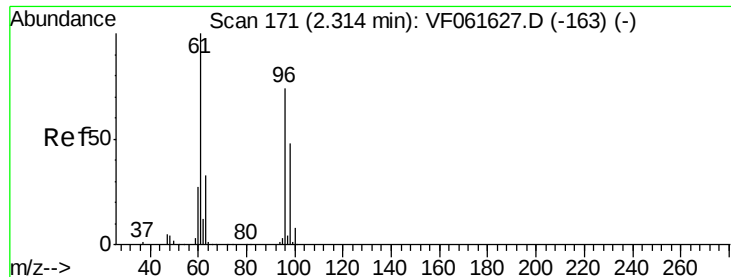
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#20
Methylene Chloride
Concen: 33.476 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion: 84 Resp: 77213
Ion Ratio Lower Upper
84 100
49 114.5 101.8 152.8
51 32.2 31.1 46.7
86 56.8 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 23.645 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061788.D

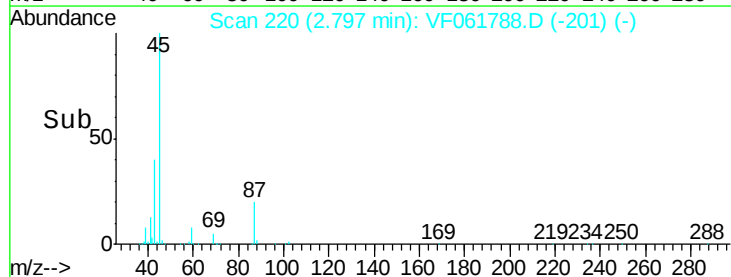
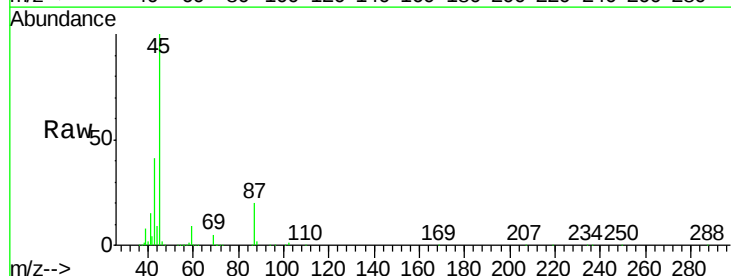
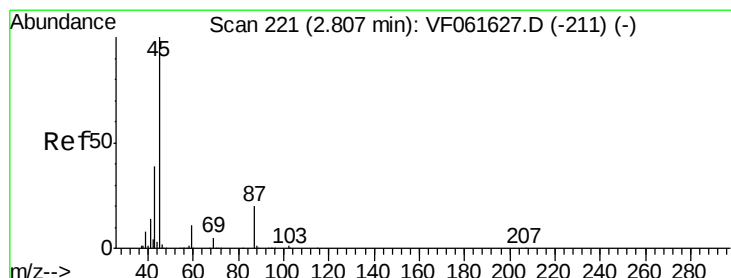
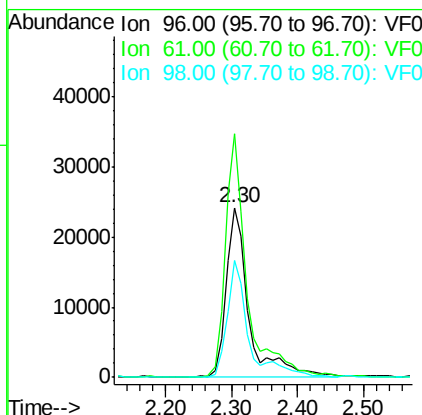
Acq: 28 Feb 2019 15:30

Tot Ion:	96	Resp:	58795
Ion Ratio	Lower	Upper	
96	100		
61	143.7	108.2	162.4
98	69.3	52.2	78.2

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

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#22

Diisopropyl ether

Concen: 25.139 ug/l

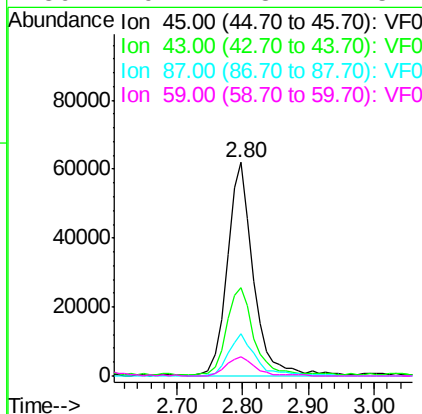
RT: 2.80 min Scan# 220

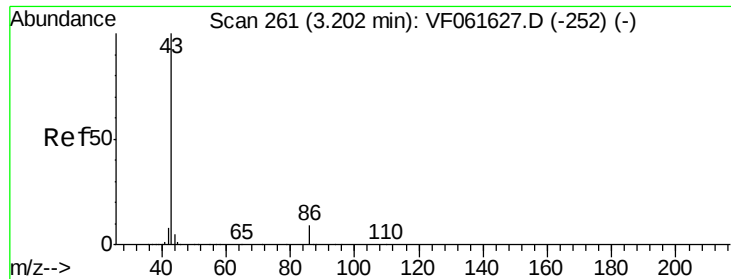
Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	45	Resp:	169379
Ion Ratio	Lower	Upper	
45	100		
43	41.2	31.4	47.2
87	20.0	16.3	24.5
59	9.2	8.7	13.1





#23

Vinyl Acetate

Concen: 111.751 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion: 43 Resp: 367752

Ion Ratio Lower Upper

43 100

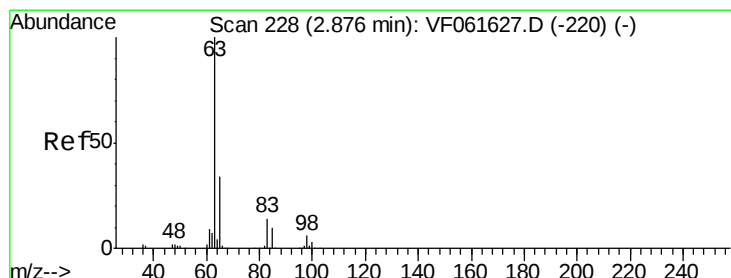
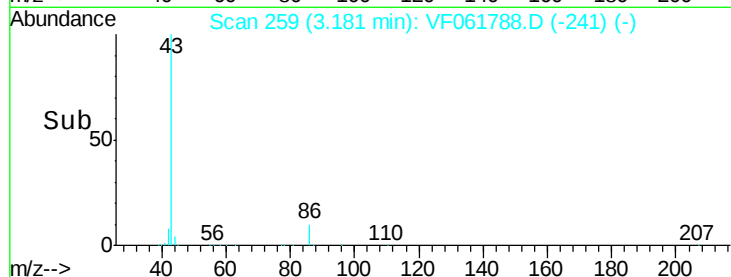
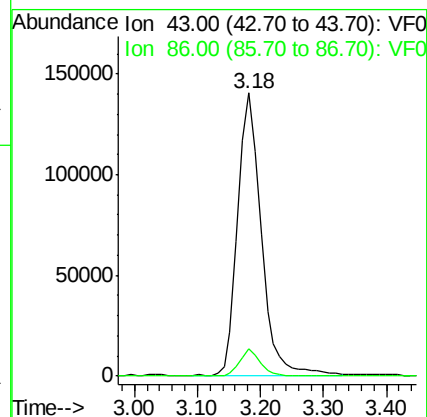
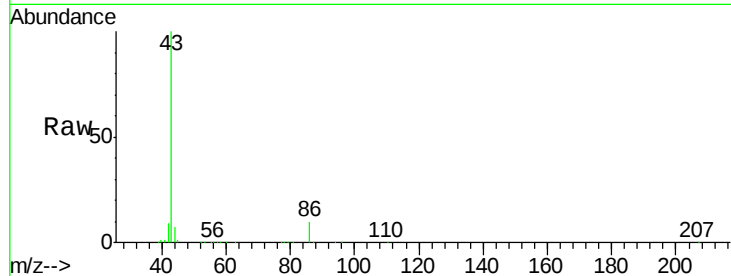
86 9.7 7.5 11.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 24.267 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

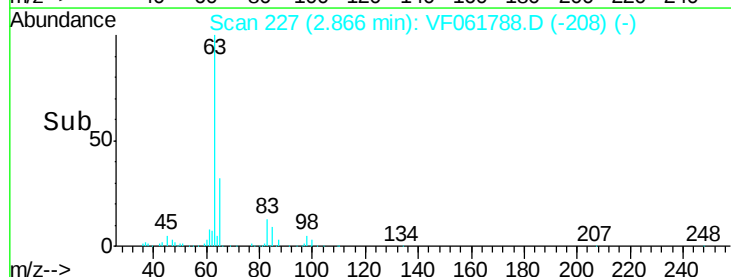
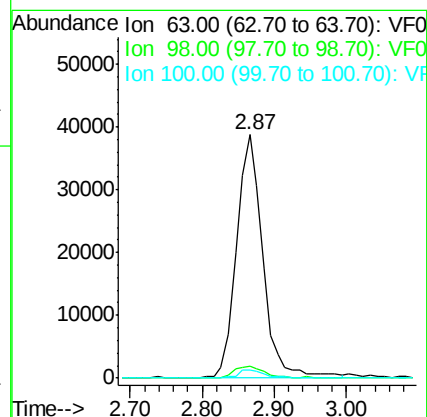
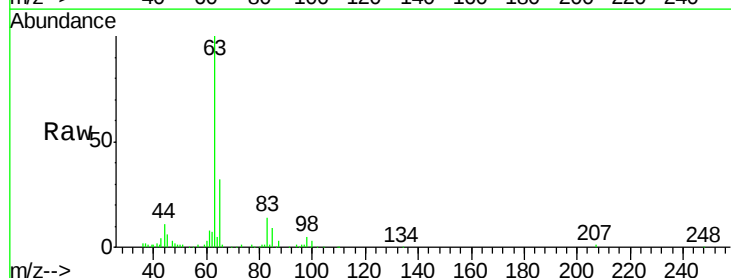
Tgt Ion: 63 Resp: 98943

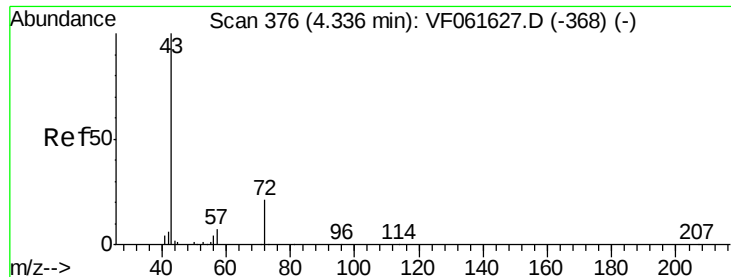
Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

100 3.2 1.8 5.4





#25

2-Butanone

Concen: 112.058 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion: 43 Resp: 102799

Ion Ratio Lower Upper

43 100

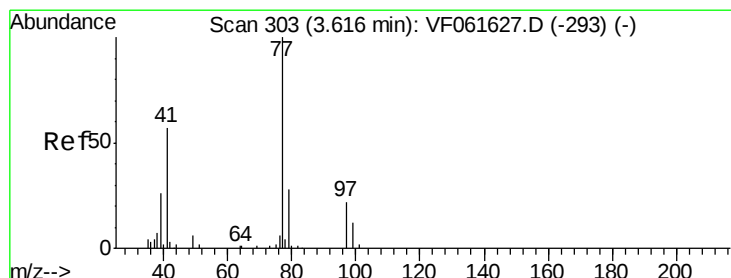
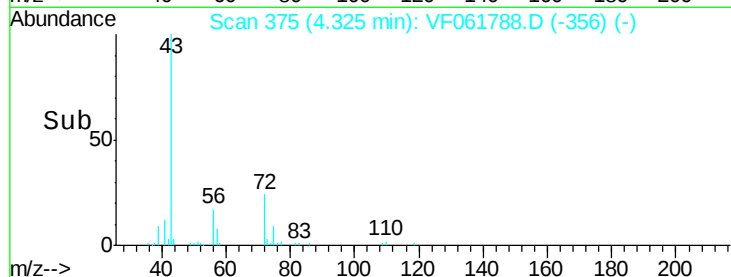
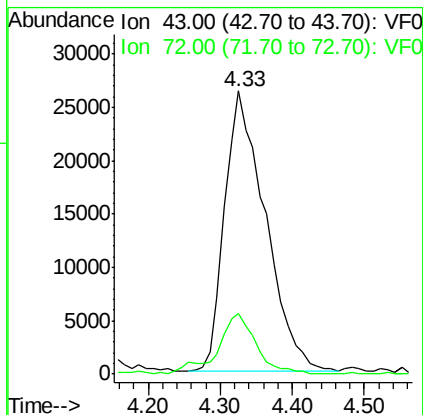
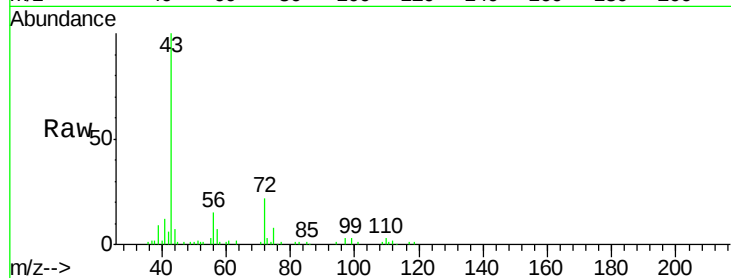
72 21.5 17.1 25.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 26.901 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061788.D

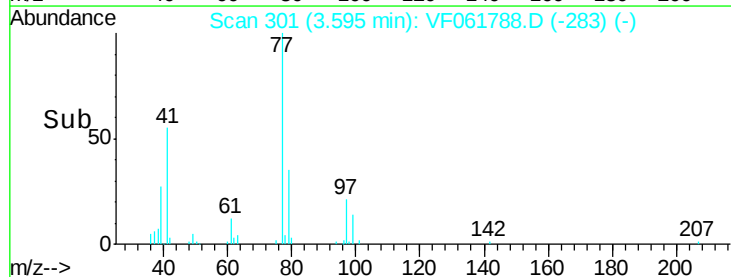
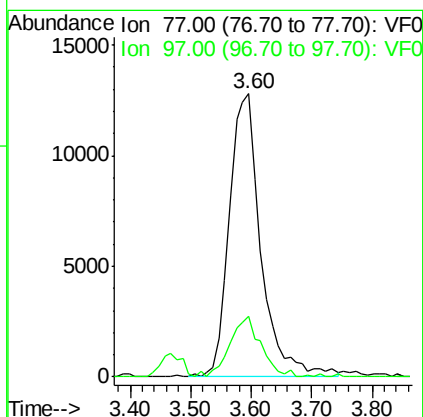
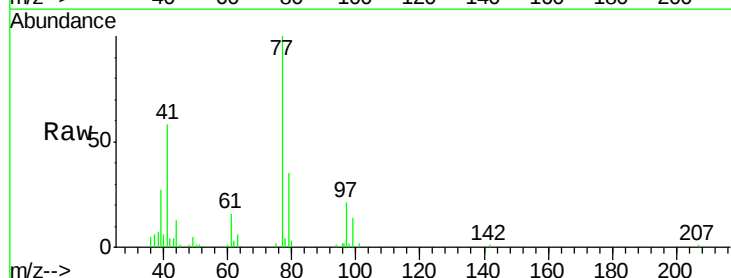
Acq: 28 Feb 2019 15:30

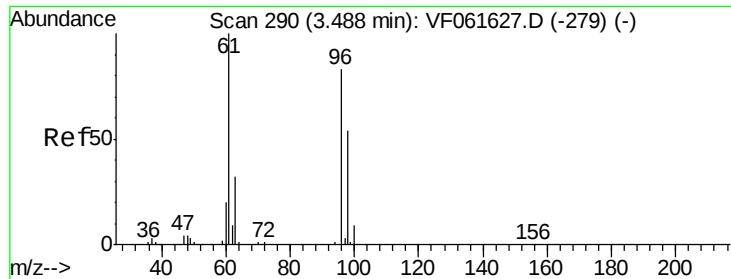
Tgt Ion: 77 Resp: 46460

Ion Ratio Lower Upper

77 100

97 21.4 11.7 35.0





#27

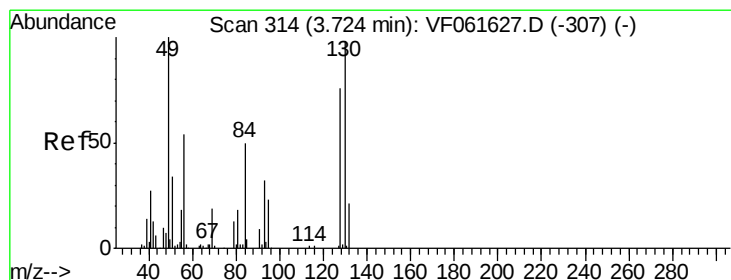
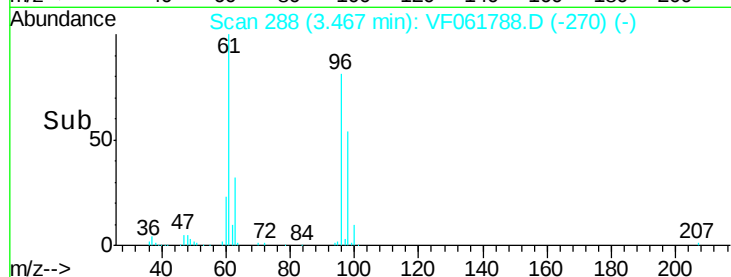
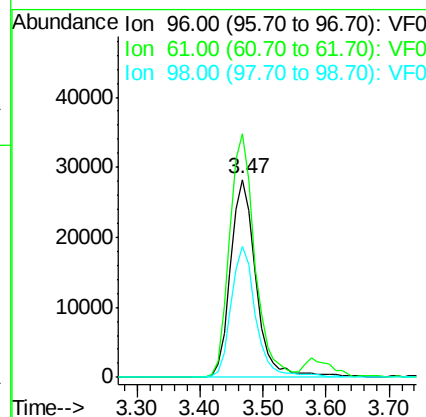
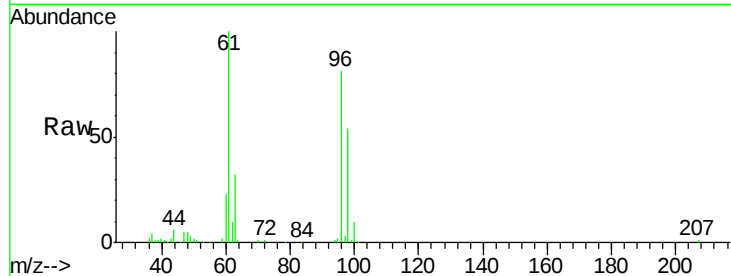
cis-1,2-Dichloroethene
 Concen: 24.224 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBS01

Tot Ion:	96	Resp:	79061
Ion	Ratio	Lower	Upper
96	100		
61	122.9	0.0	241.6
98	66.0	0.0	130.2

Manual Integrations
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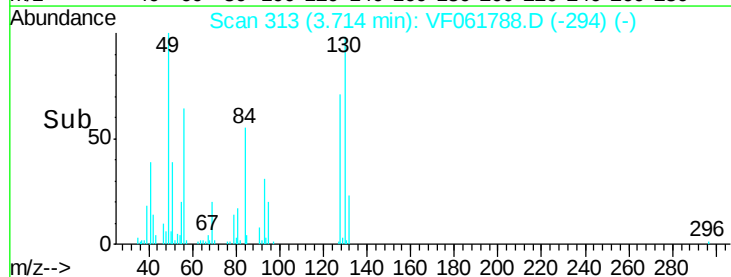
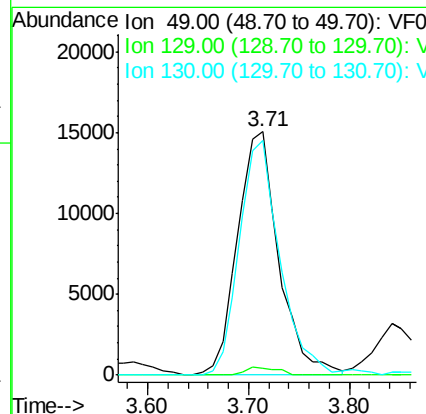
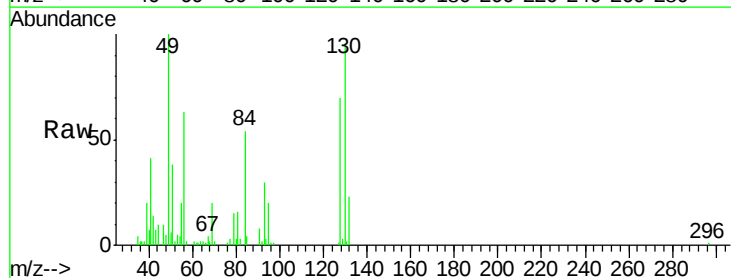
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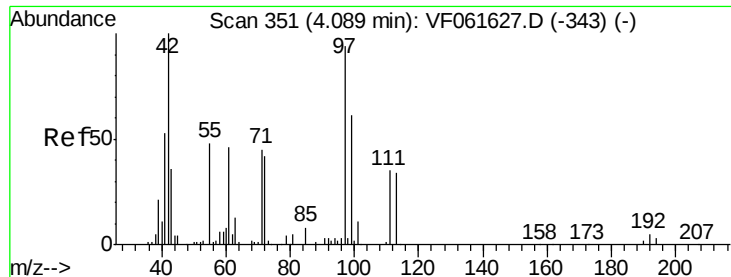


#28

Bromochloromethane
 Concen: 21.974 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion:	49	Resp:	42990
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.4
130	96.5	77.7	116.5





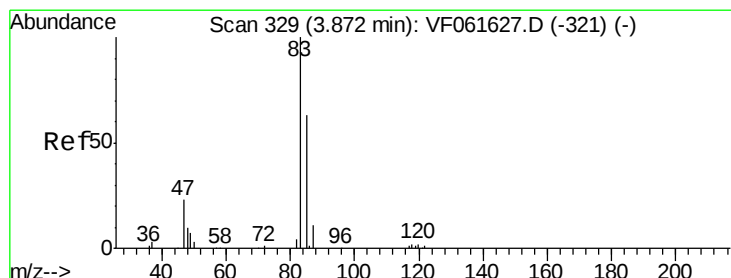
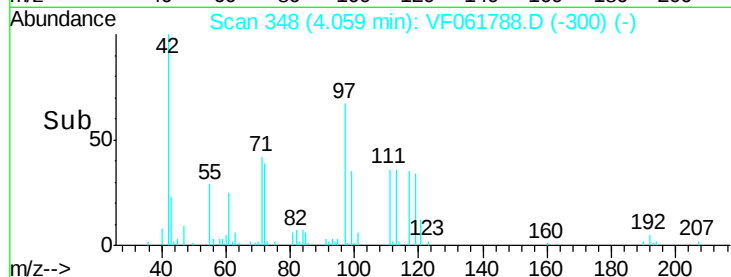
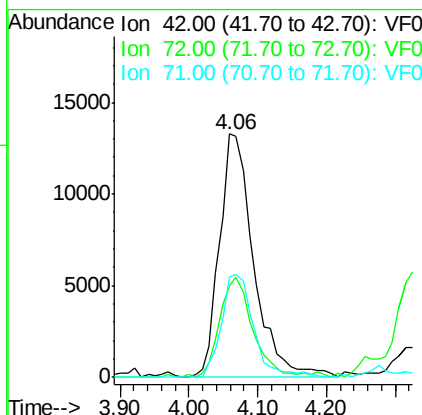
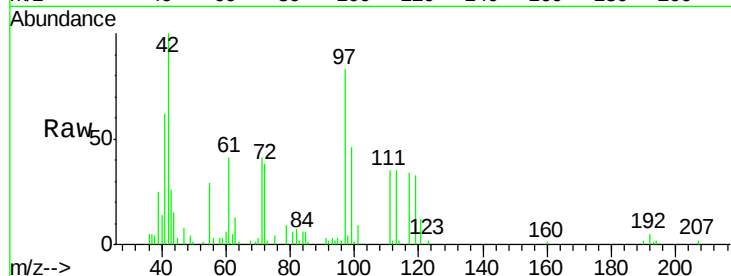
#29
Tetrahydrofuran
Concen: 110.583 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	35.2	52.8
71	39.7	32.9	49.3

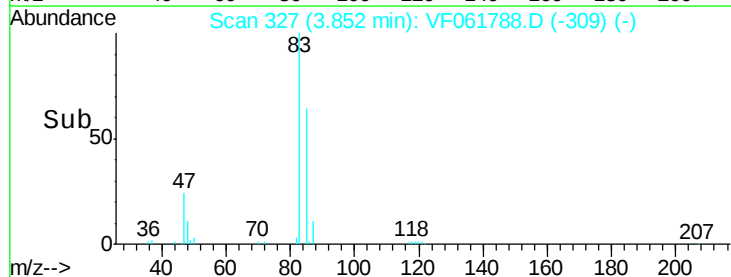
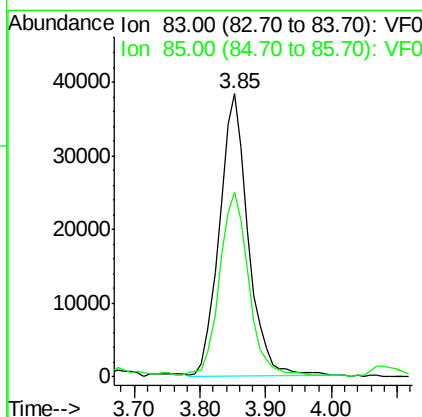
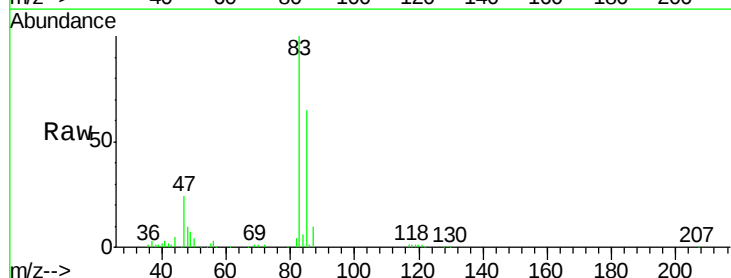
Manual Integrations
APPROVED

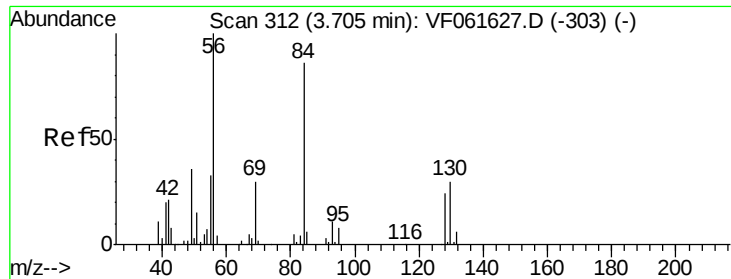
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#30
Chloroform
Concen: 25.135 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7





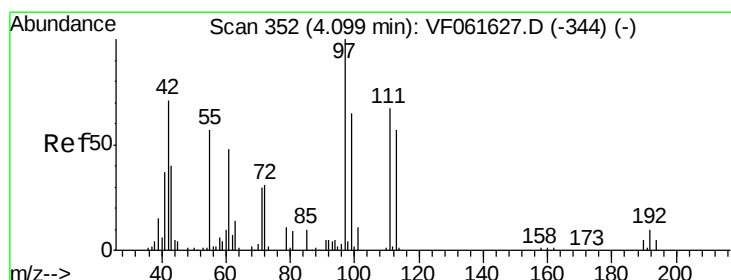
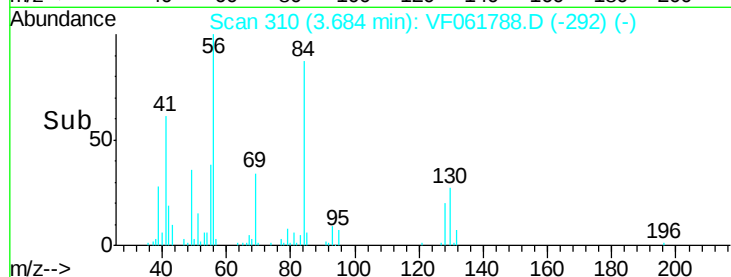
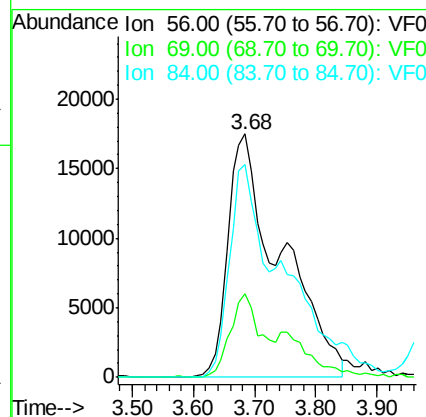
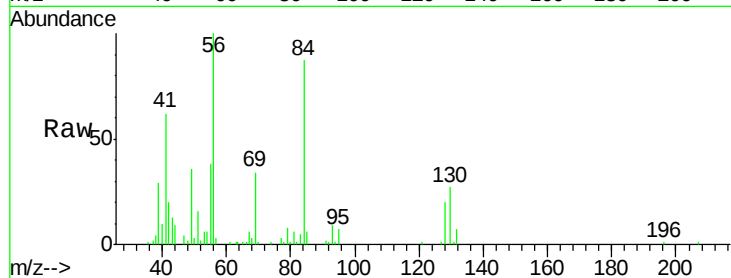
#31
Cyclohexane
Concen: 23.589 ug/l m
RT: 3.68 min Scan# 310
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	23.8	35.8
84	87.2	68.6	103.0

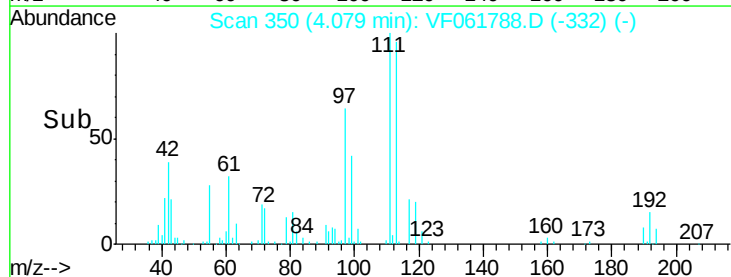
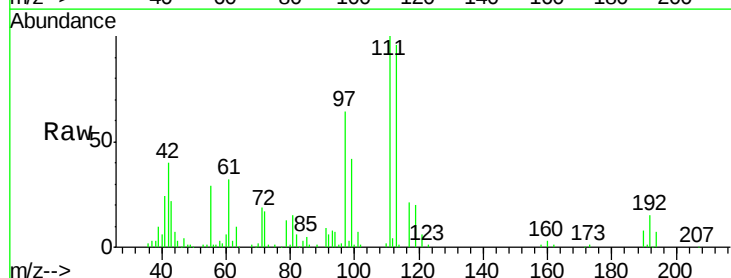
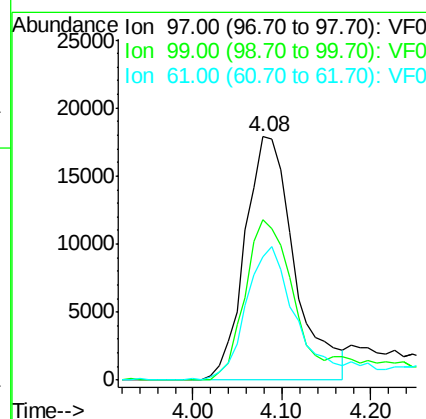
Manual Integrations
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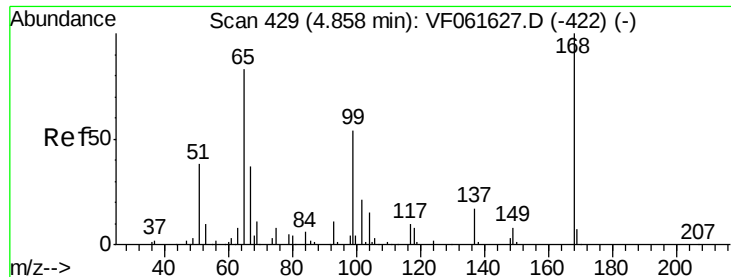
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#32
1,1,1-Trichloroethane
Concen: 22.786 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.2
61	50.5	39.2	58.8





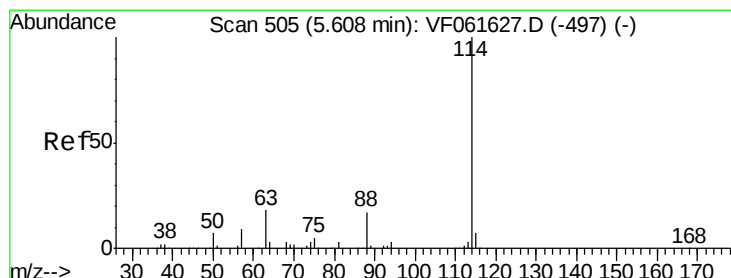
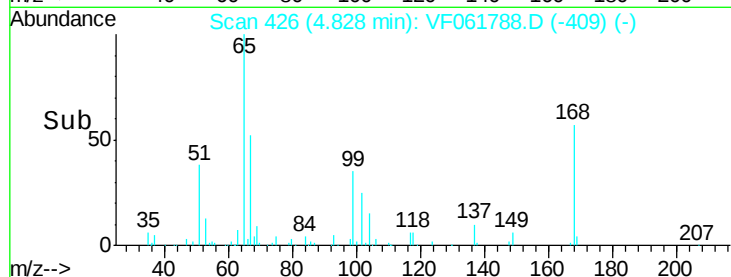
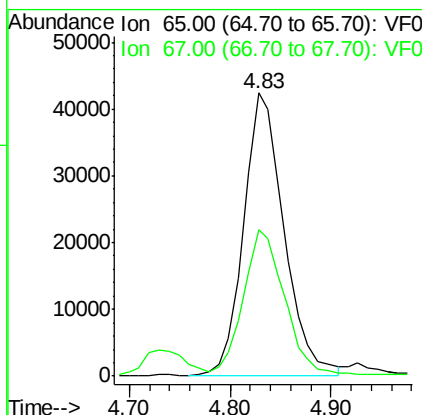
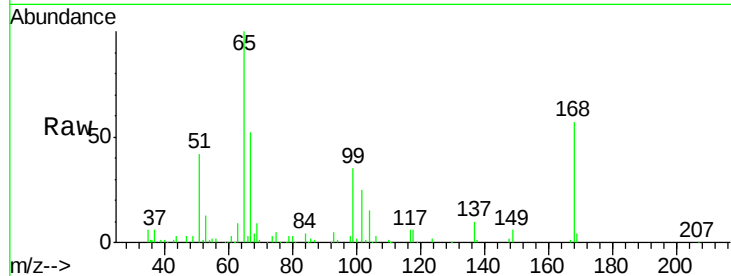
#33
 1,2-Dichloroethane-d4
 Concen: 60.613 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118647		
67	51.8	0.0	104.0	

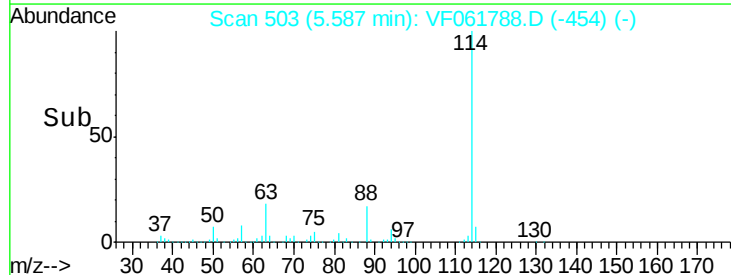
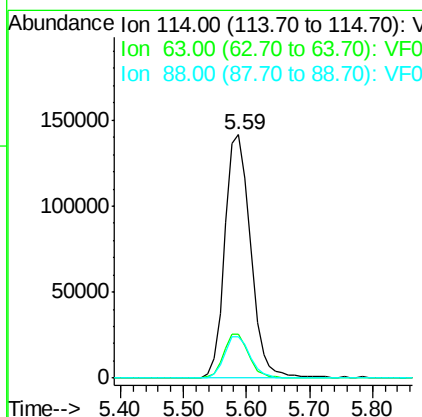
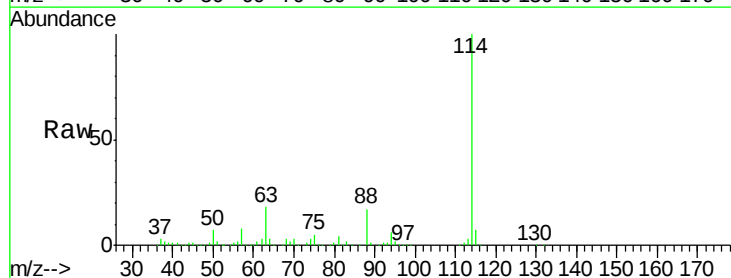
Manual Integrations
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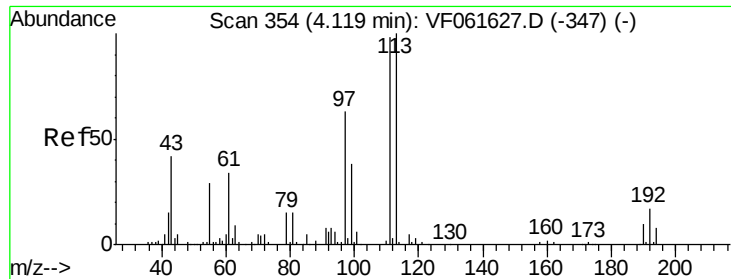
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	402861		
63	18.0	0.0	36.6	
88	17.2	0.0	34.4	





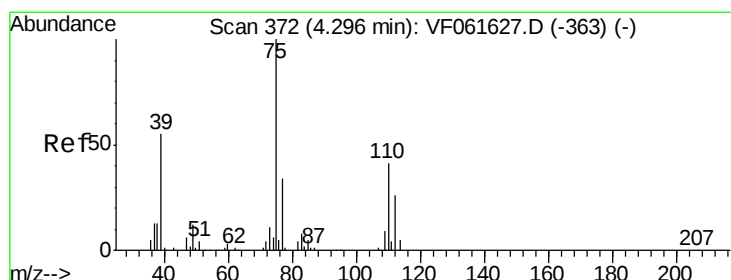
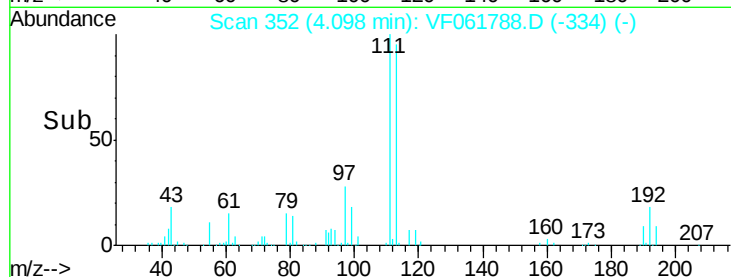
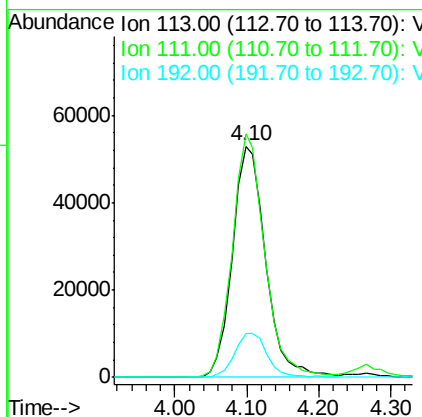
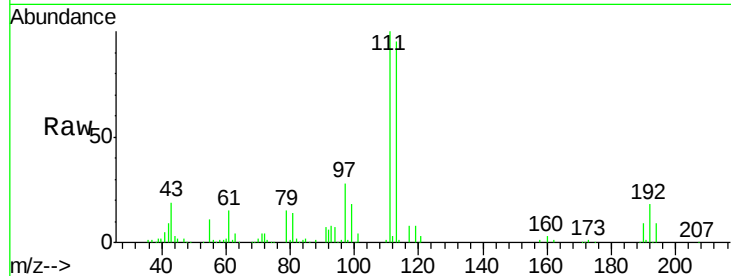
#35
 Dibromofluoromethane
 Concen: 56.975 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170451		
111	105.3		78.8	118.2
192	18.8		13.4	20.0

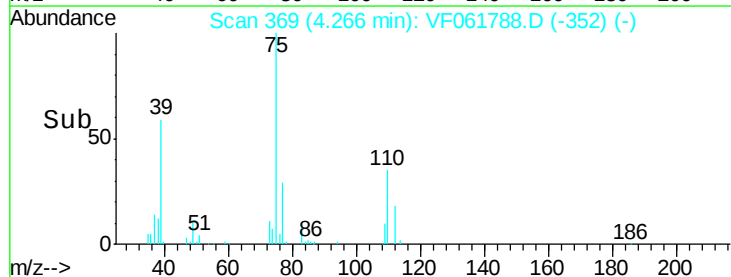
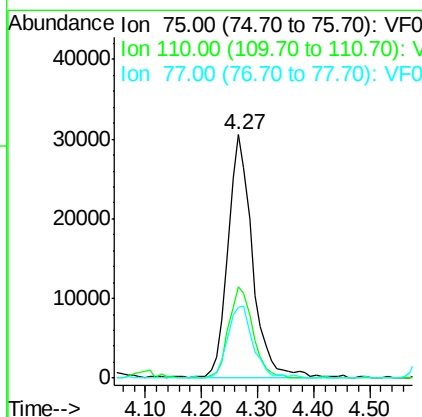
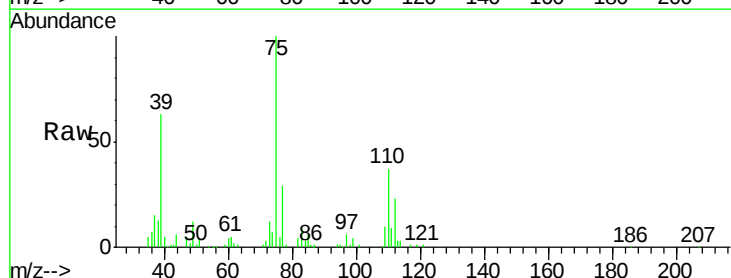
Manual Integrations
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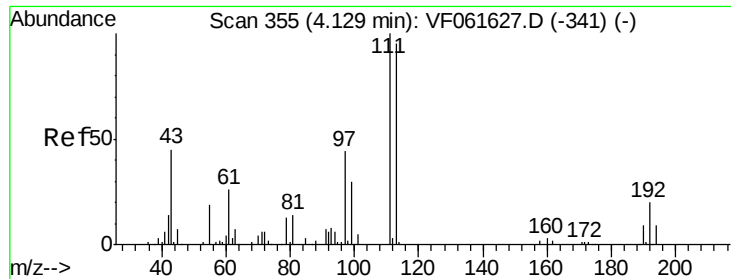
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#36
 1,1-Dichloropropene
 Concen: 23.376 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.03 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93290		
110	37.3		20.5	61.6
77	29.2		27.0	40.4





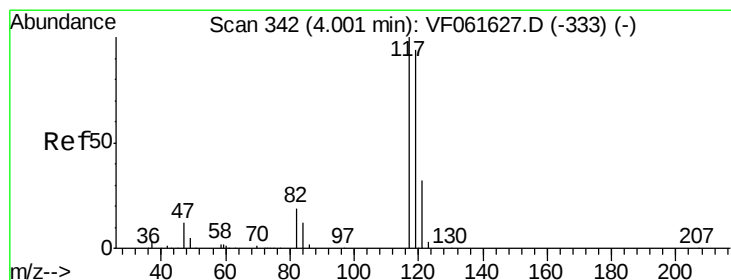
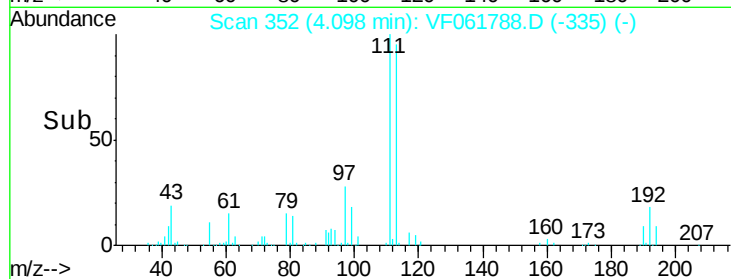
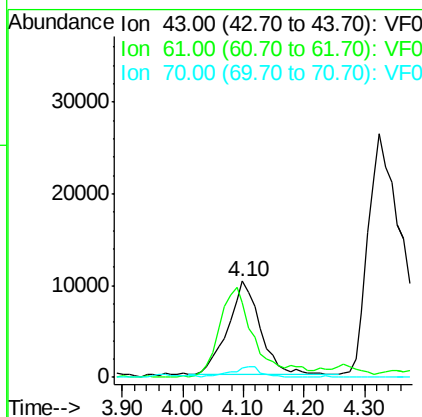
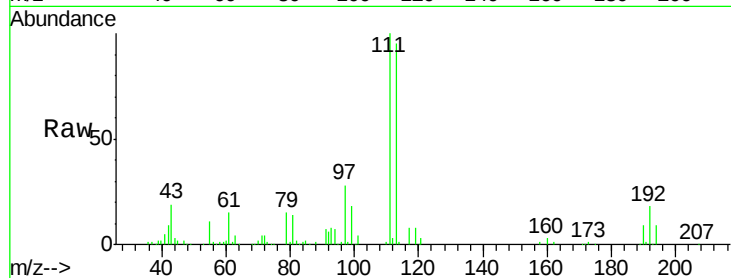
#37
Ethyl Acetate
Concen: 20.555 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	77.3	45.7	68.5#
70	10.3	8.5	12.7

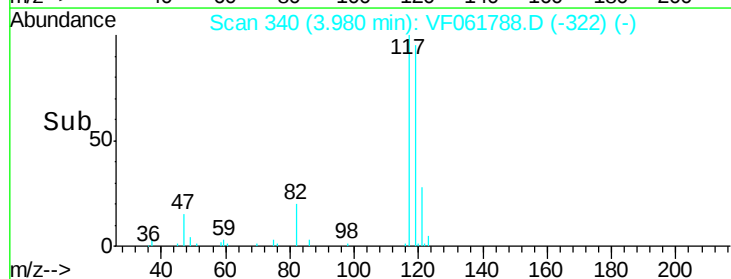
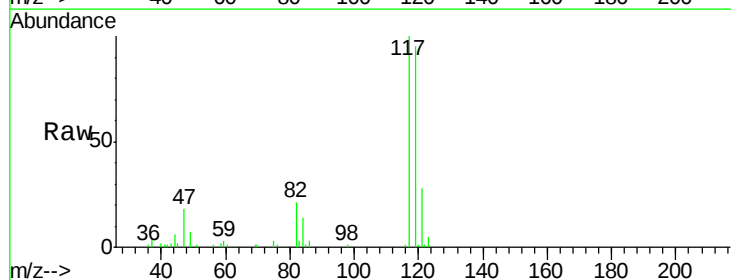
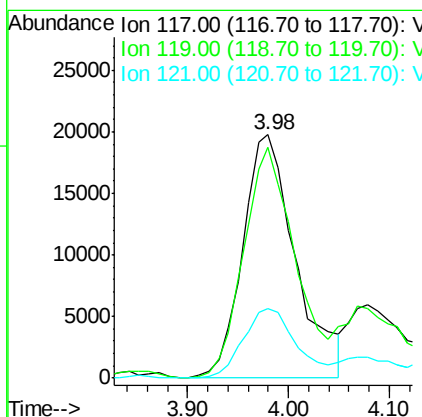
Manual Integrations
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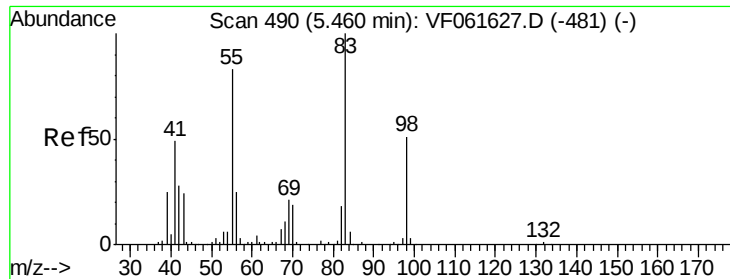
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#38
Carbon Tetrachloride
Concen: 26.154 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.6	113.4
121	28.4	25.2	37.8





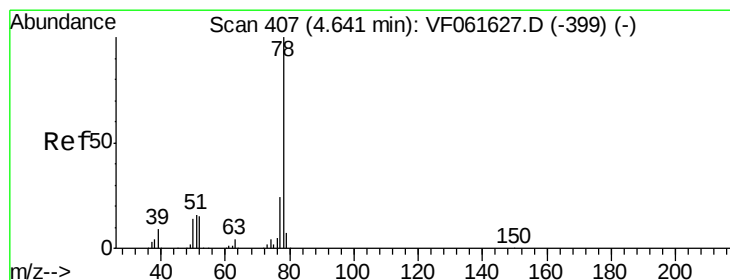
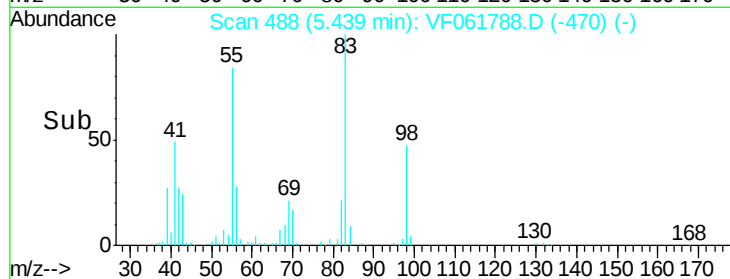
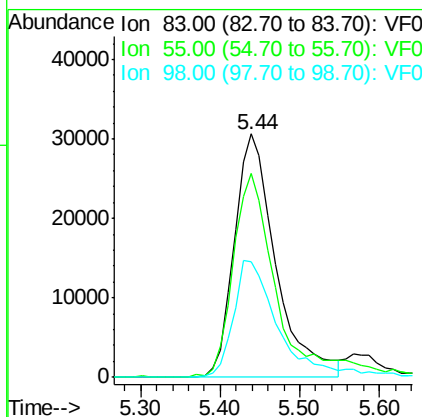
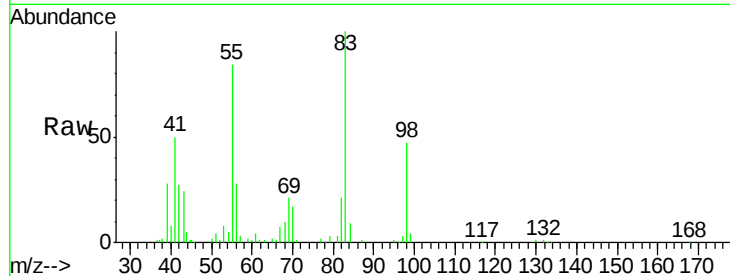
#39
Methvlcvclohexane
Concen: 23.442 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.7	66.6	99.8	
98	47.3	40.4	60.6	

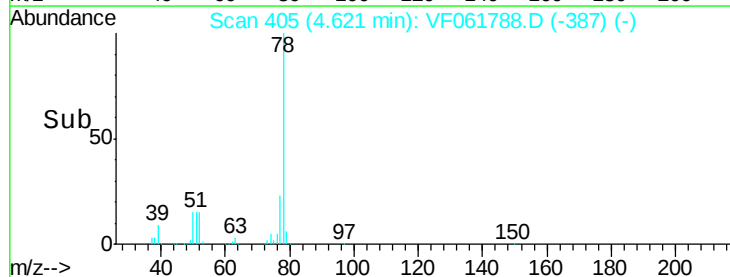
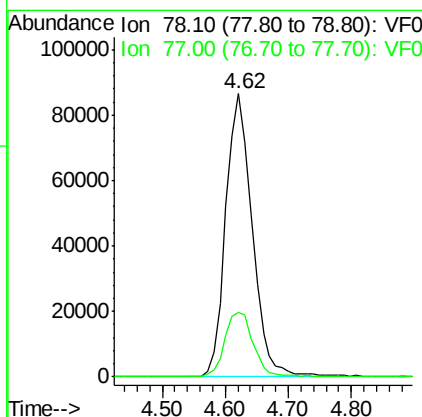
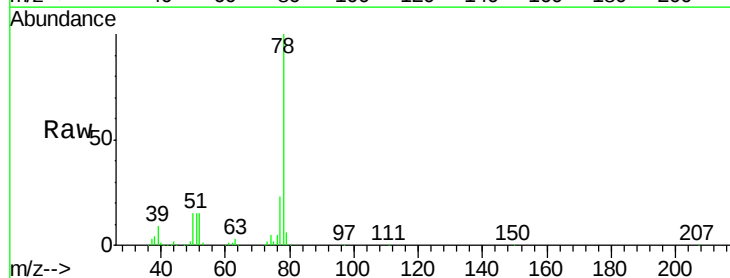
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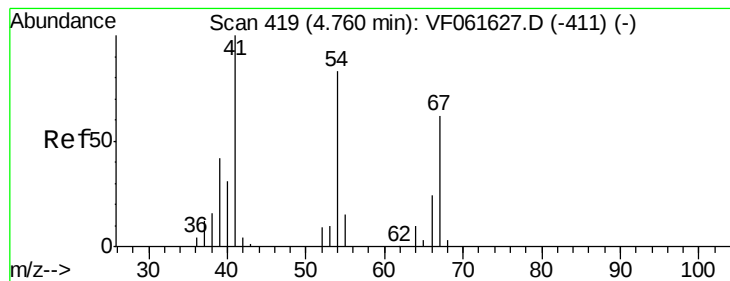
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#40
Benzene
Concen: 24.196 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	19.0	28.6	





#41

Methacrylonitrile

Concen: 21.966 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion: 41 Resp: 20823

Ion Ratio Lower Upper

41 100

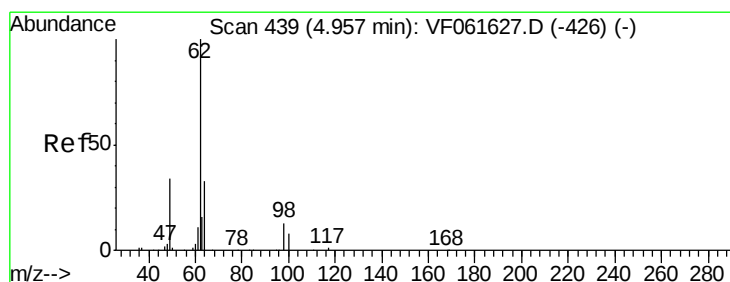
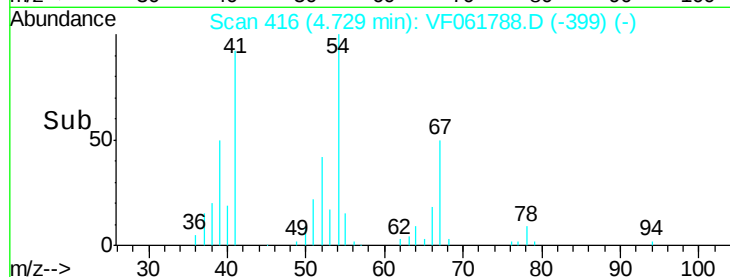
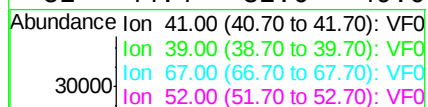
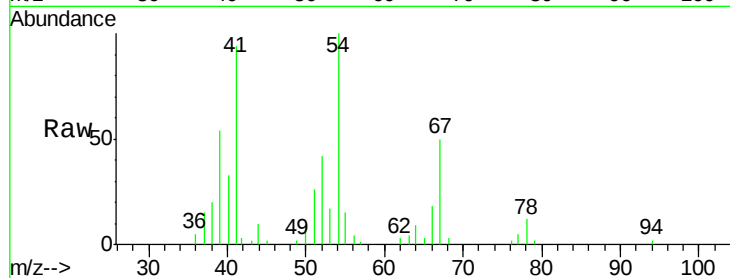
39 57.0 45.3 67.9

67 52.8 49.3 73.9

52 44.4 32.6 49.0

Manual Integrations
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MMDadoda
3/2/2019 4:09:40 AM



#42

1,2-Dichloroethane

Concen: 25.367 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.03 min

Lab File: VF061788.D

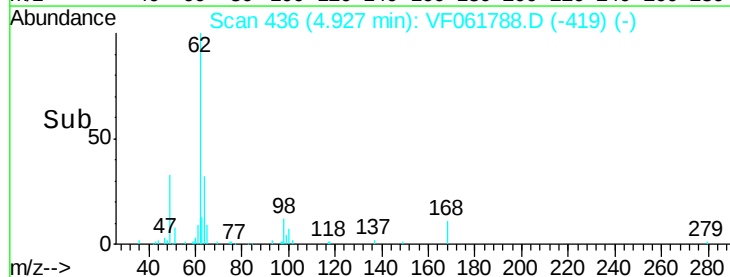
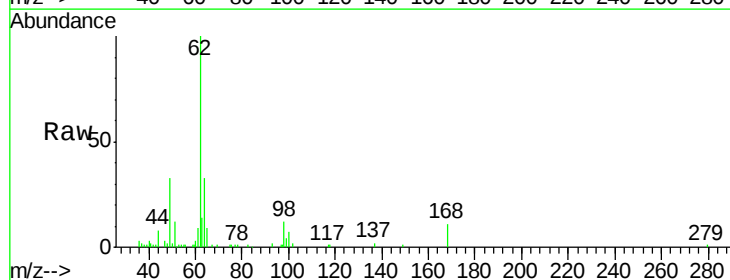
Acq: 28 Feb 2019 15:30

Tgt Ion: 62 Resp: 63342

Ion Ratio Lower Upper

62 100

98 11.9 0.0 26.0





#43

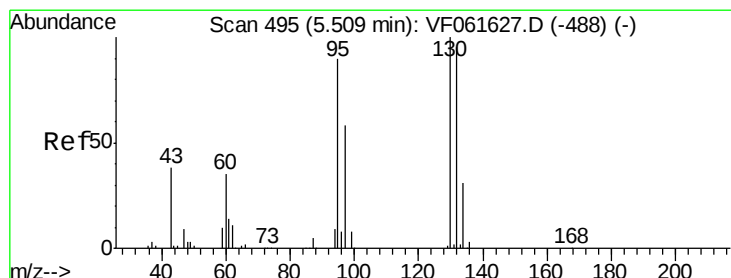
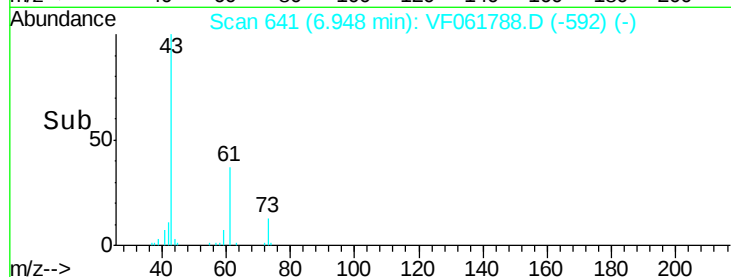
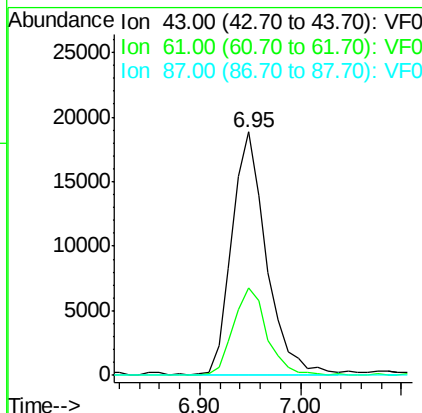
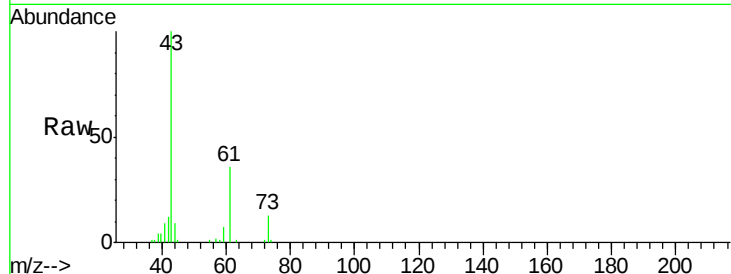
Isopropyl Acetate
 Concen: 20.564 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.9	25.8	38.6
87	0.0	0.4	0.6

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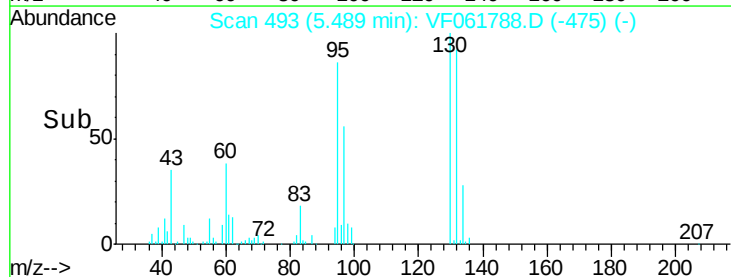
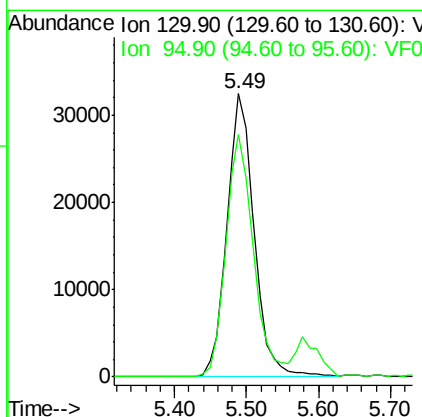
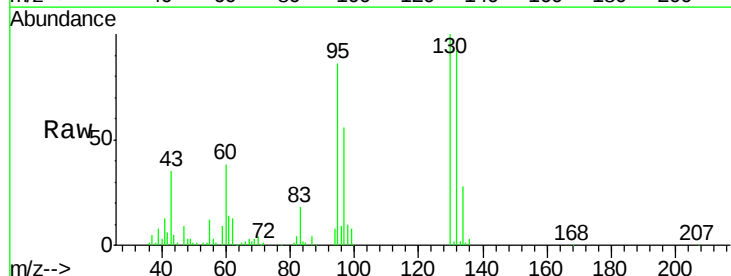
MMDadoda
 3/2/2019 4:09:40 AM

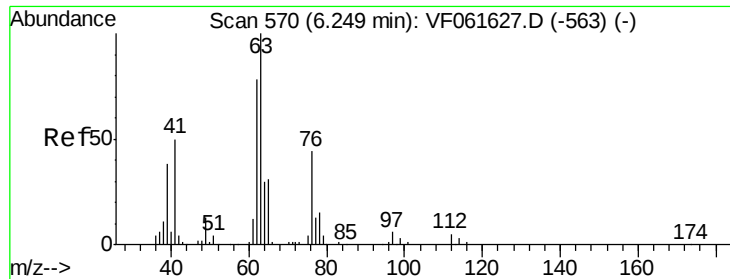


#44

Trichloroethene
 Concen: 25.215 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	179.4





#45

1,2-Dichloropropane

Concen: 22.749 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBSD01

Tot Ion: 63 Resp: 57401

Ion Ratio Lower Upper

63 100

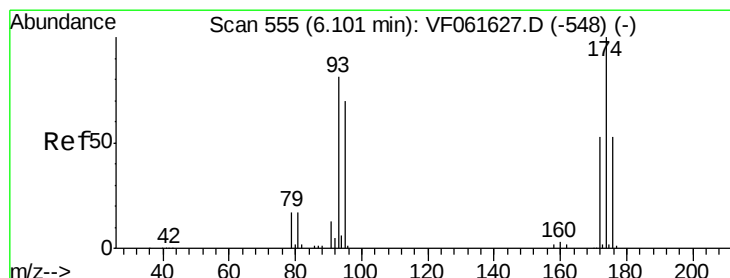
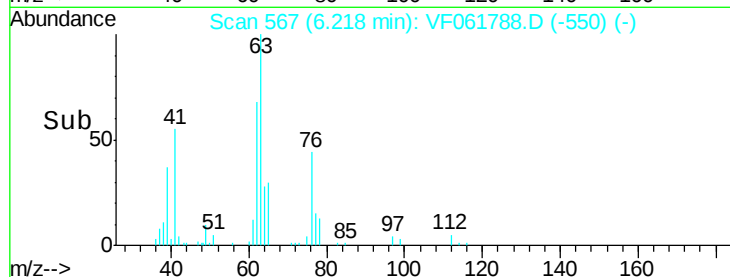
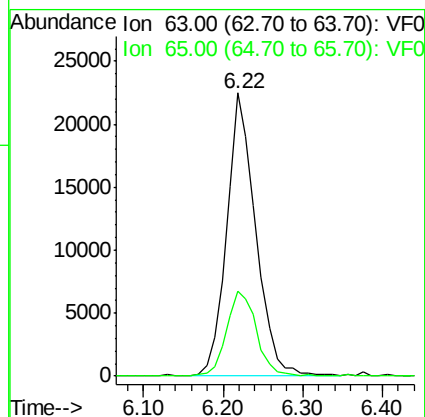
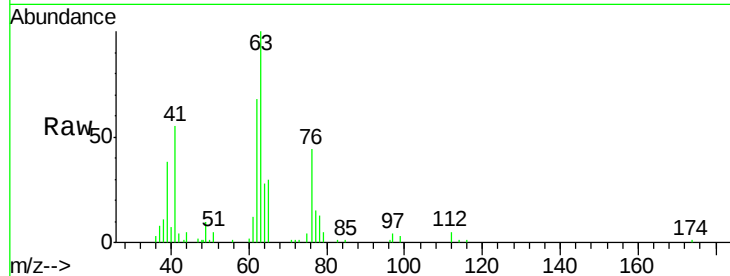
65 29.9 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 23.613 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

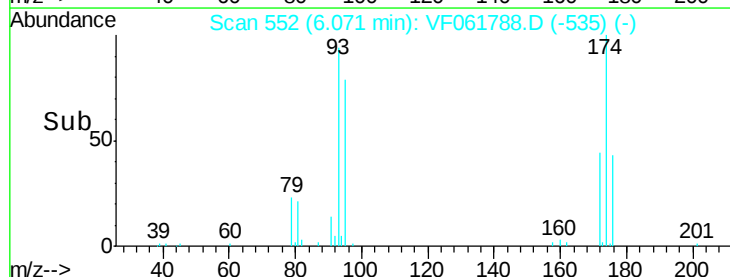
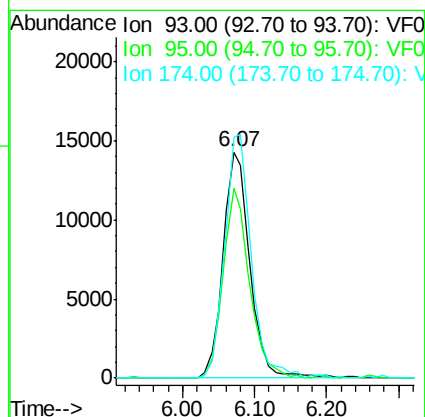
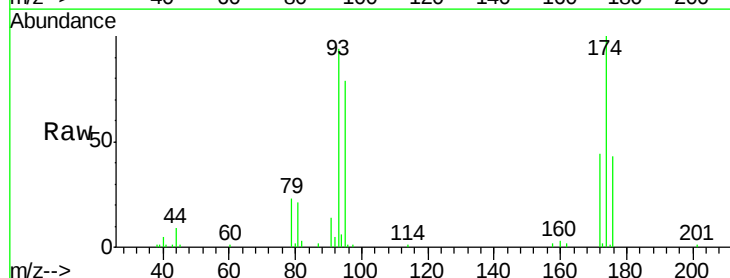
Tgt Ion: 93 Resp: 36684

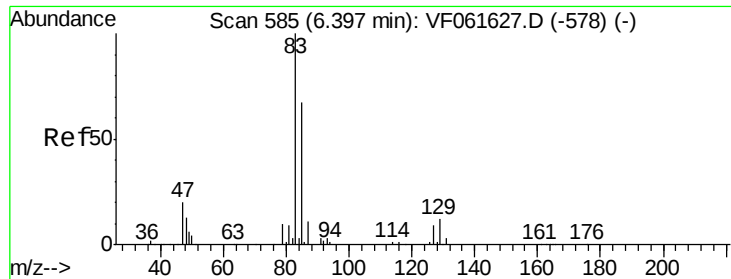
Ion Ratio Lower Upper

93 100

95 84.2 69.0 103.6

174 106.9 99.3 148.9





#47

Bromodichloromethane

Concen: 23.569 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

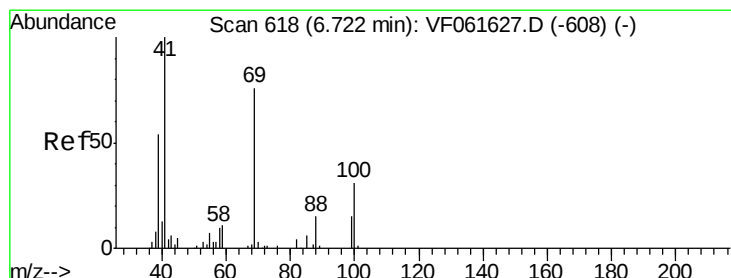
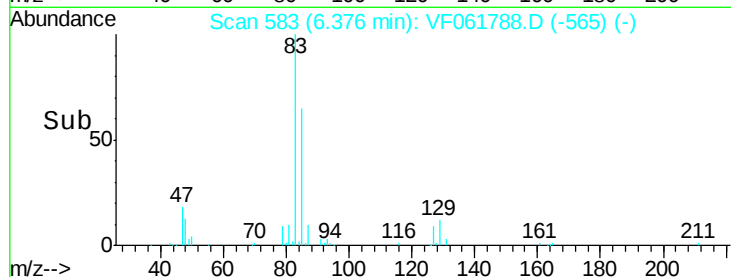
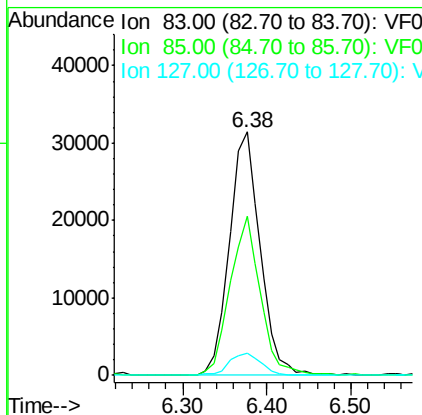
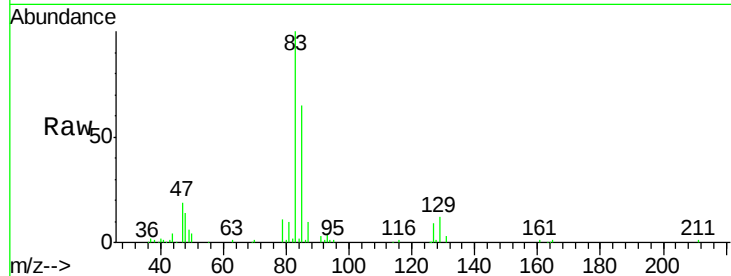
ClientSampleId :

VF0228SBS01

Tot Ion:	83	Resp:	80185
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.4	80.2
127	8.9	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.667 ug/l

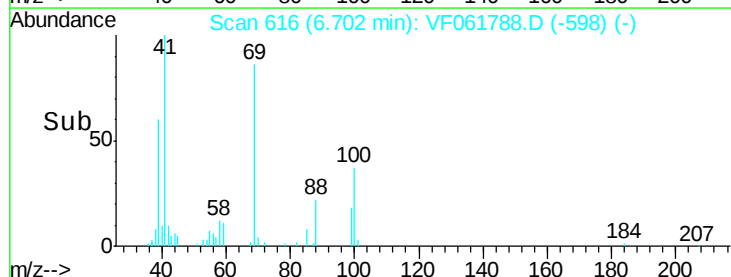
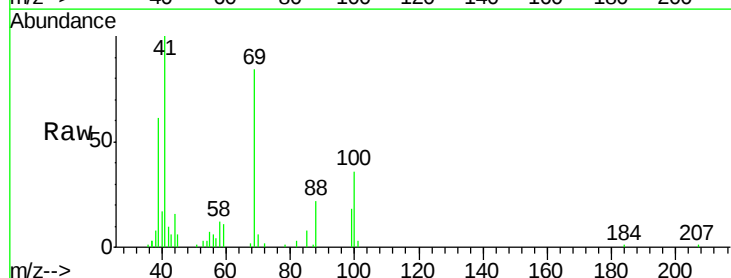
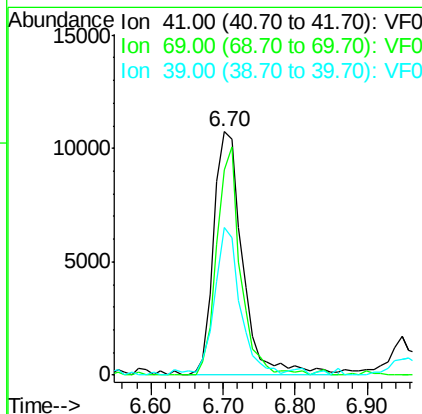
RT: 6.70 min Scan# 616

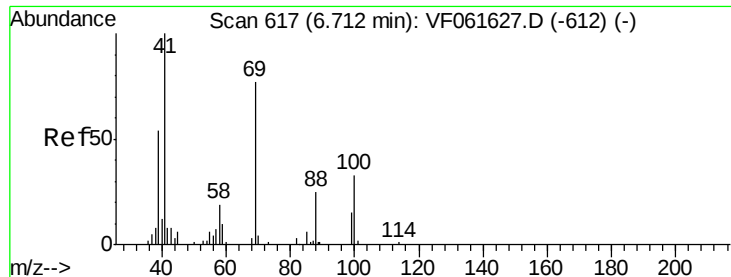
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	41	Resp:	29930
Ion	Ratio	Lower	Upper
41	100		
69	84.2	60.4	90.6
39	60.8	43.7	65.5





#49

1,4-Dioxane

Concen: 420.383 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

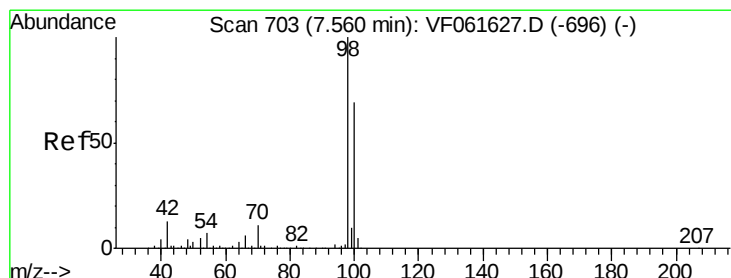
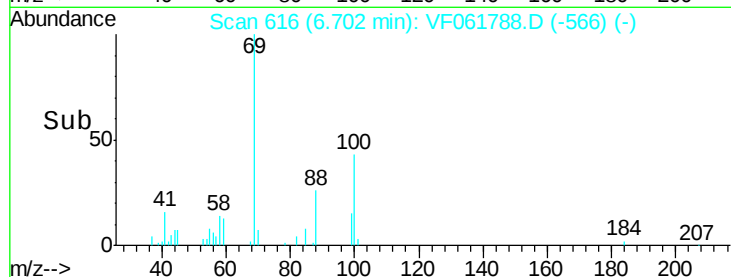
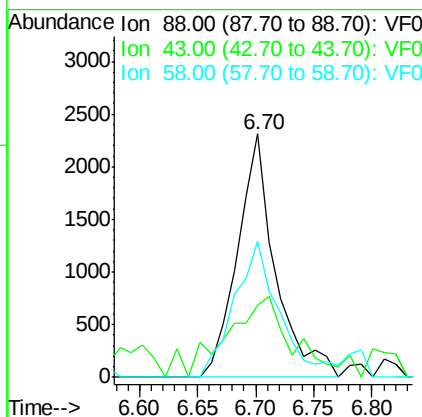
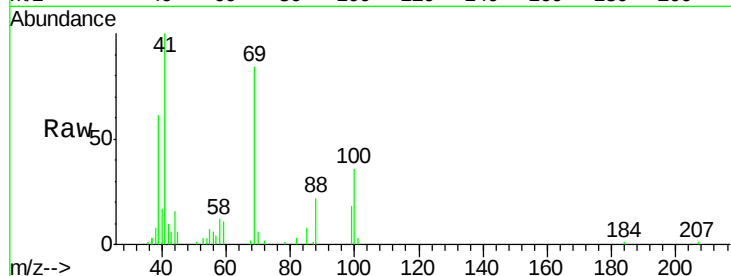
ClientSampleId :

VF0228SBS01

Tot Ion:	88	Resp:	5218
Ion	Ratio	Lower	Upper
88	100		
43	29.8	32.3	48.5#
58	55.7	59.4	89.2#

Manual Integrations
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#50

Toluene-d8

Concen: 54.617 ug/l

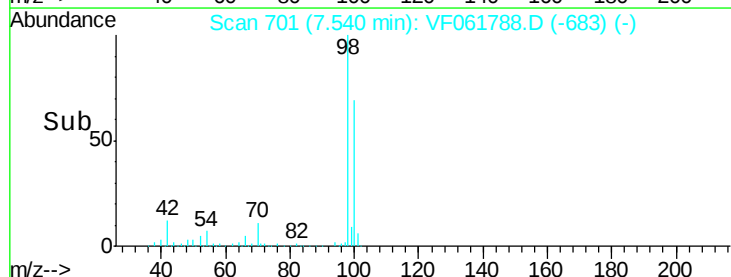
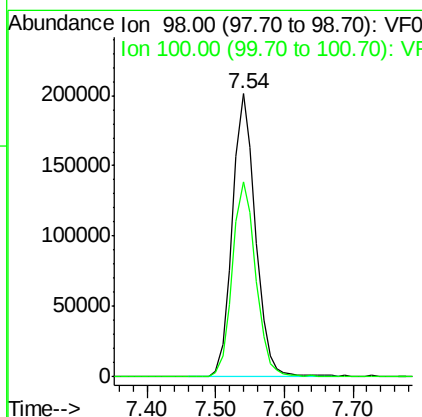
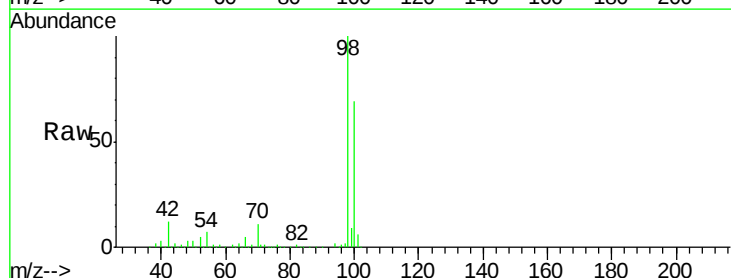
RT: 7.54 min Scan# 701

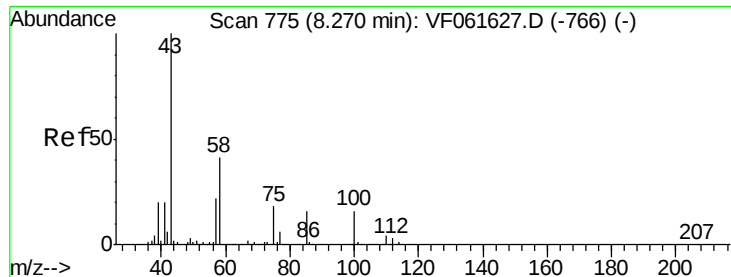
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	98	Resp:	469720
Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 103.126 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion: 43 Resp: 161679

Ion Ratio Lower Upper

43 100

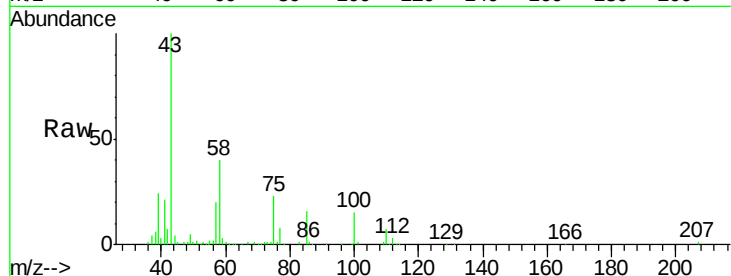
58 40.4 33.1 49.7

Manual Integrations

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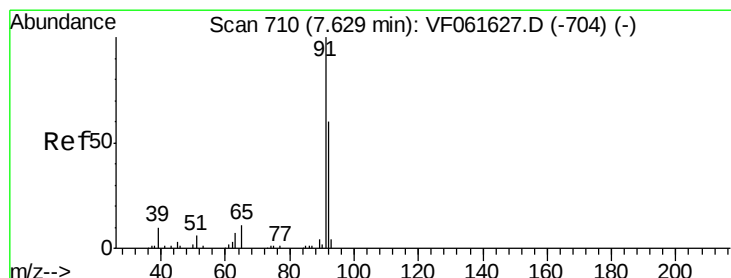
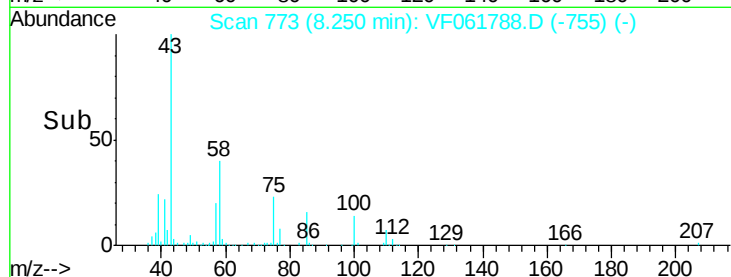
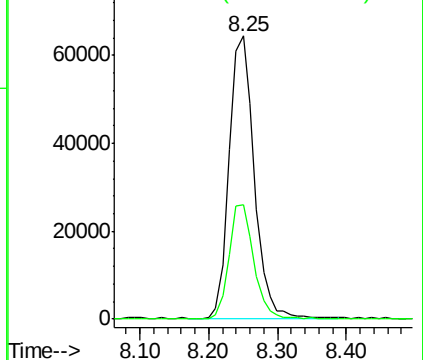
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 24.133 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061788.D

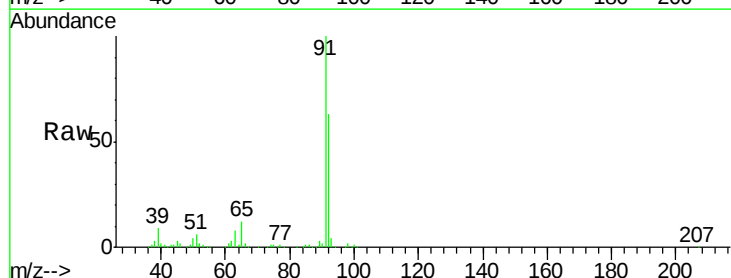
Acq: 28 Feb 2019 15:30

Tgt Ion: 92 Resp: 152784

Ion Ratio Lower Upper

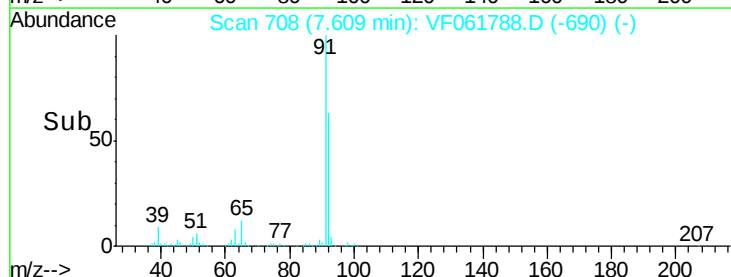
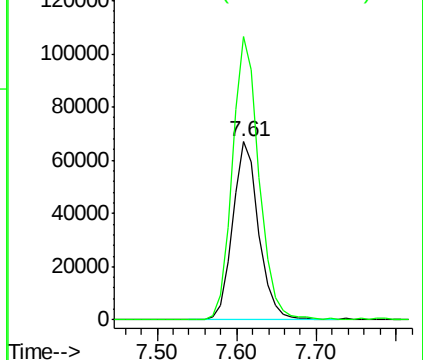
92 100

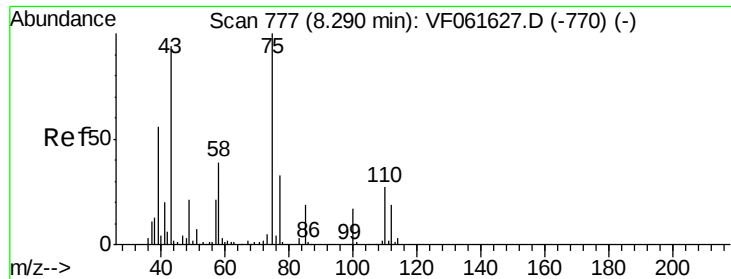
91 159.2 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





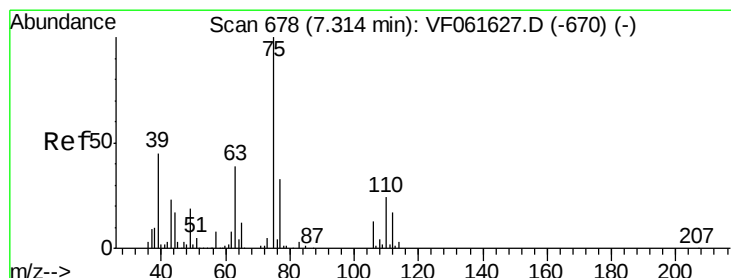
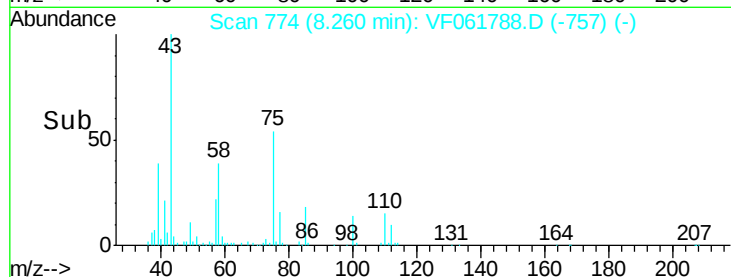
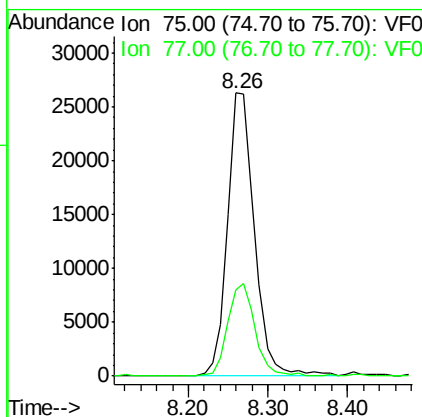
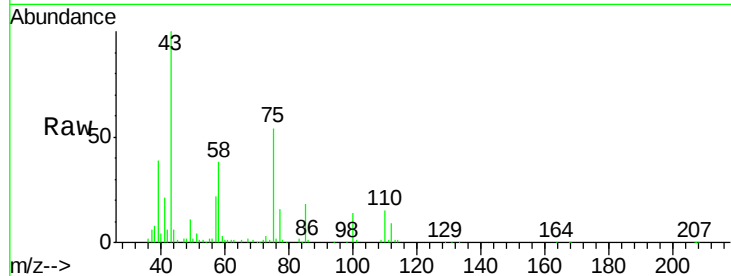
#53
t-1,3-Dichloropropene
Concen: 22.186 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion: 75 Resp: 62818
Ion Ratio Lower Upper
75 100
77 30.5 26.2 39.2

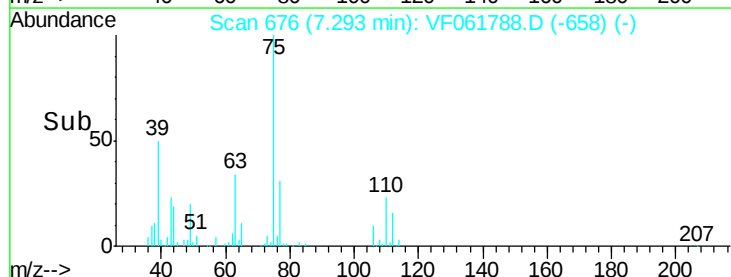
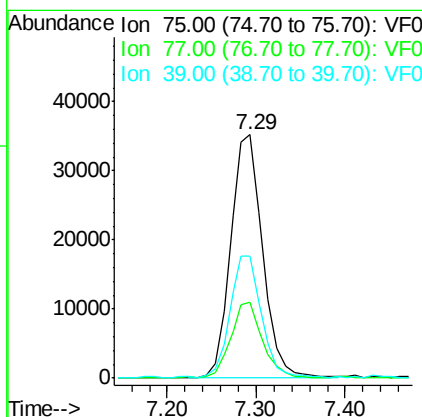
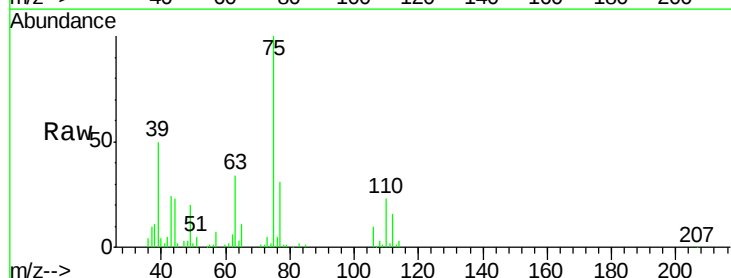
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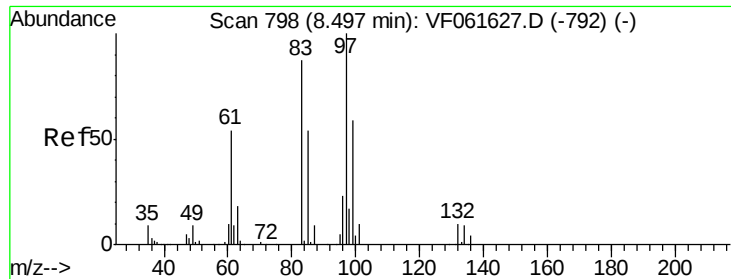
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#54
cis-1,3-Dichloropropene
Concen: 23.420 ug/l
RT: 7.29 min Scan# 676
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion: 75 Resp: 88327
Ion Ratio Lower Upper
75 100
77 31.4 26.4 39.6
39 50.2 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 22.843 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

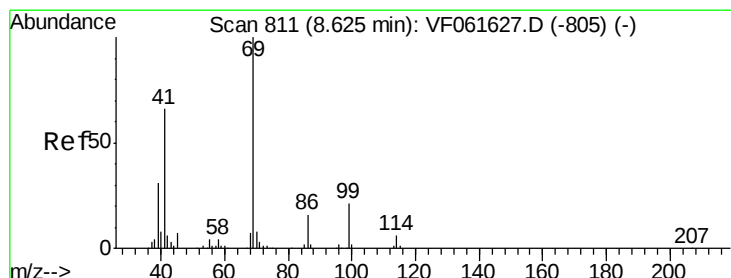
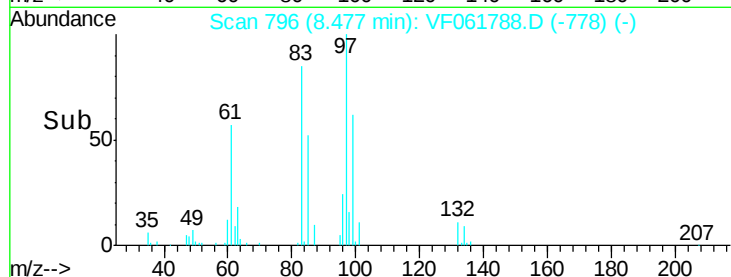
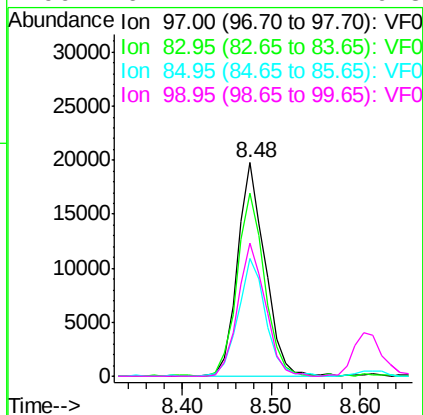
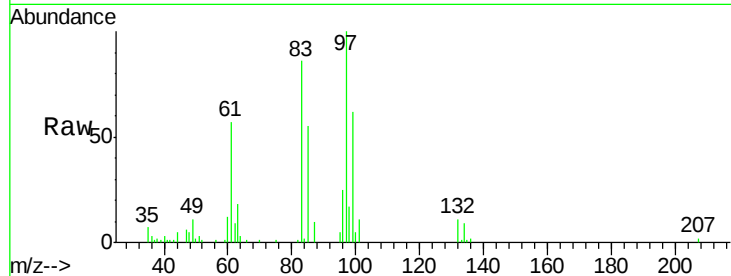
ClientSampleId :

VF0228SBS01

Tot Ion:	97	Resp:	42489
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.2	103.8
85	54.9	43.0	64.4
99	62.2	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.095 ug/l

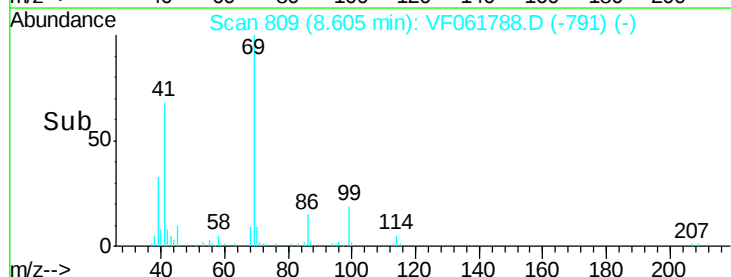
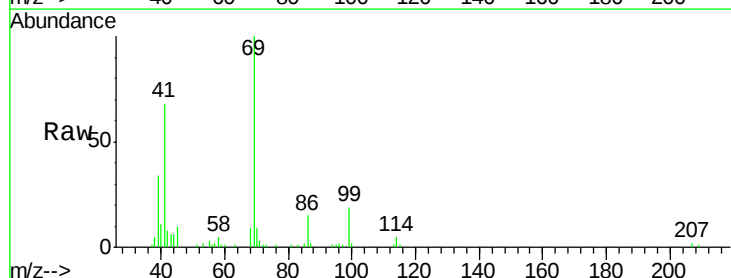
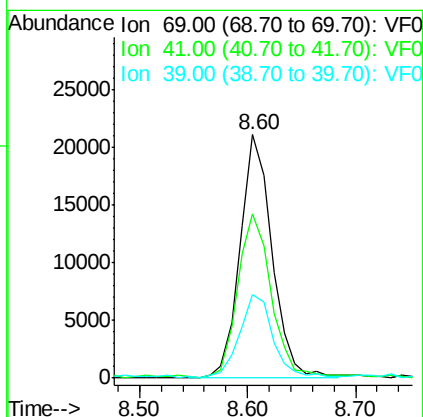
RT: 8.60 min Scan# 809

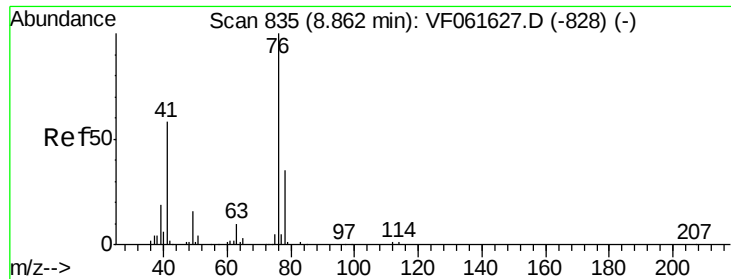
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	69	Resp:	43686
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.9	79.3
39	34.4	24.5	36.7





#57

1,3-Dichloropropane

Concen: 21.812 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBSD01

Tot Ion: 76 Resp: 67719

Ion Ratio Lower Upper

76 100

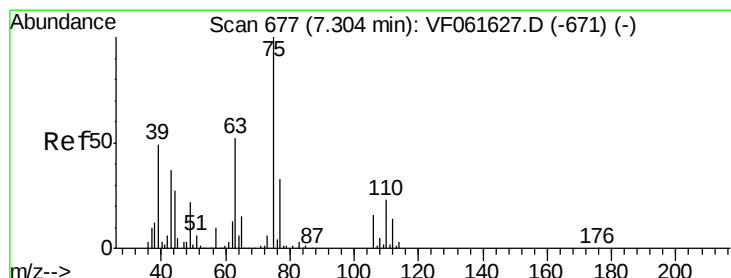
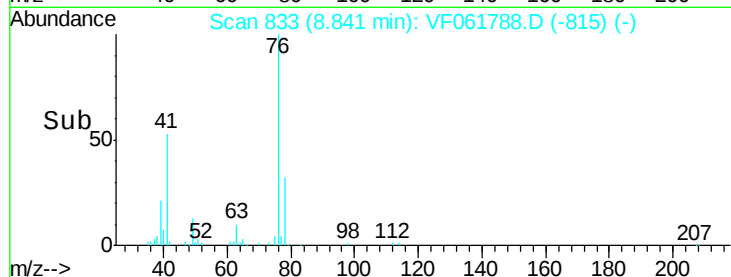
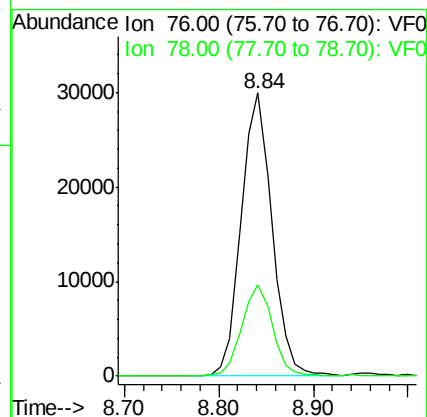
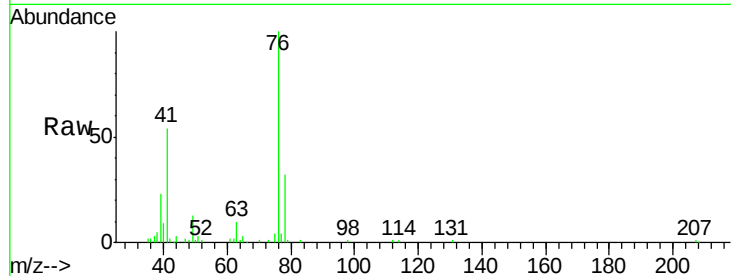
78 32.3 27.8 41.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 98.679 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061788.D

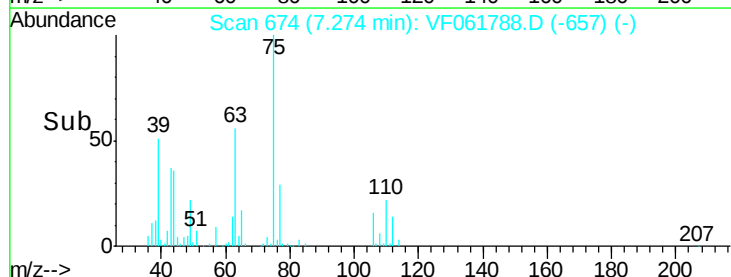
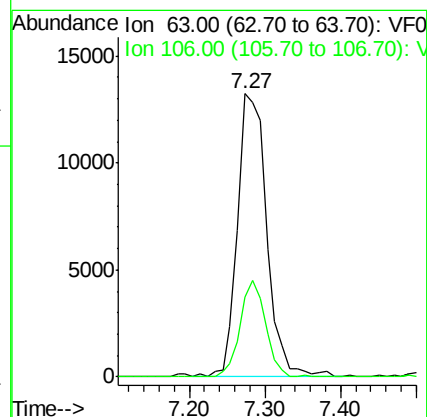
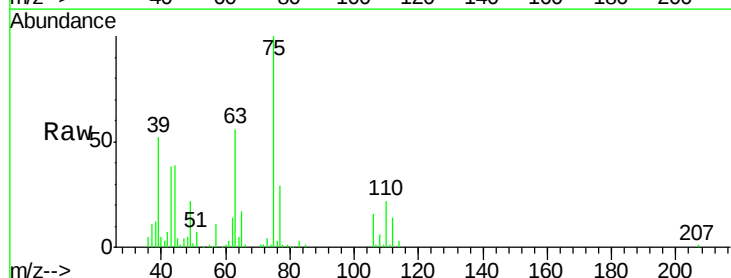
Acq: 28 Feb 2019 15:30

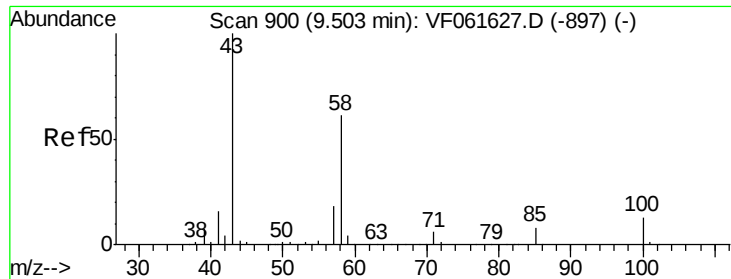
Tgt Ion: 63 Resp: 35259

Ion Ratio Lower Upper

63 100

106 28.3 24.6 36.8





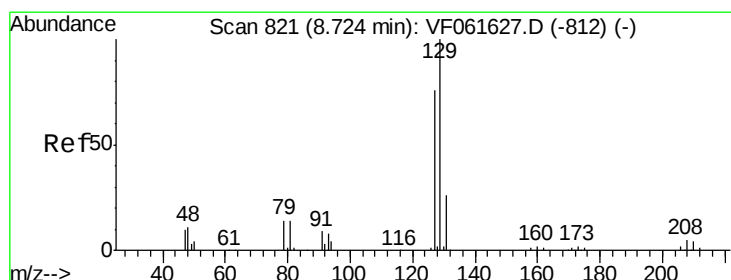
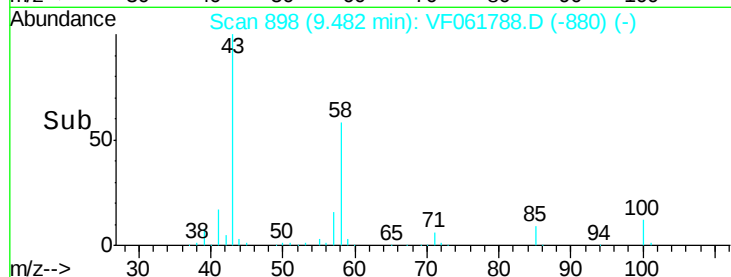
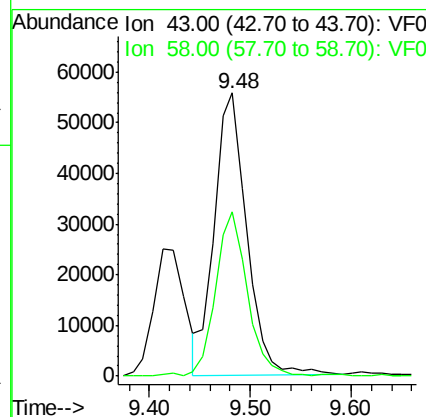
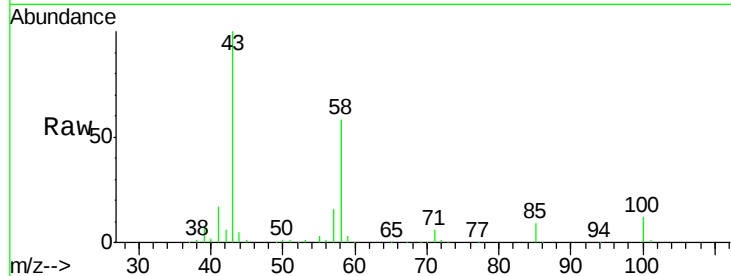
#59
2-Hexanone
Concen: 113.687 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.9	28.5	85.5

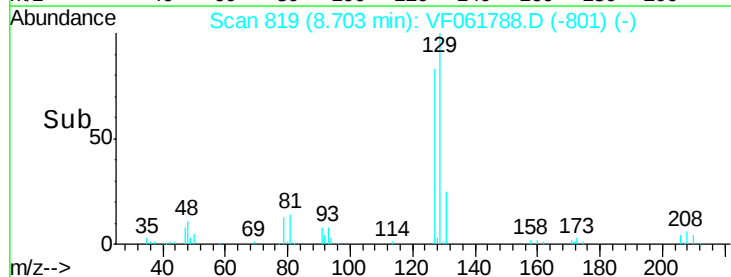
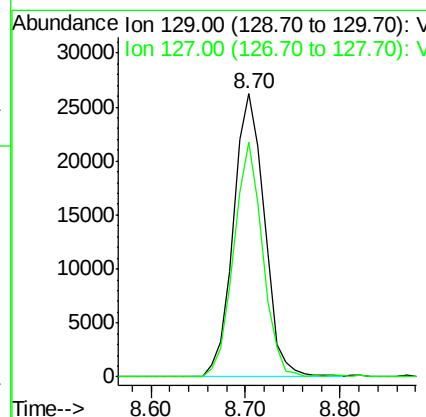
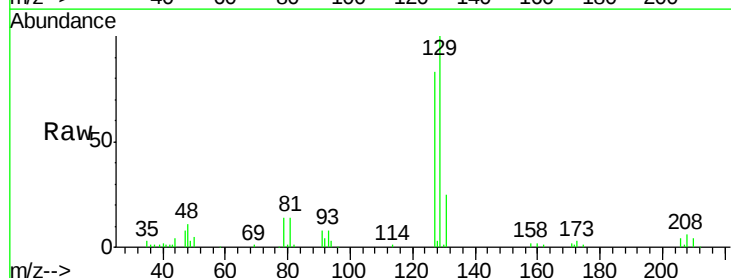
Manual Integrations
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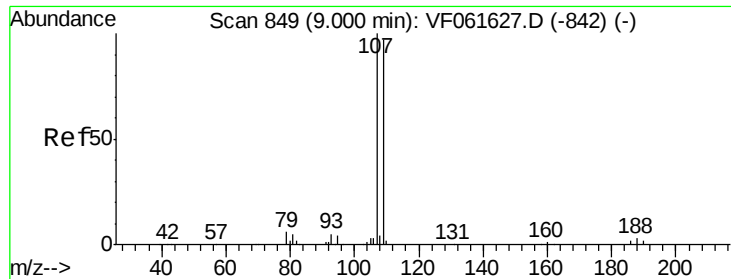
MMDadoda
3/2/2019 4:09:40 AM



#60
Dibromochloromethane
Concen: 23.043 ug/l
RT: 8.70 min Scan# 819
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	83.1	37.8	113.4





#61

1,2-Dibromoethane

Concen: 23.321 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion:107 Resp: 47051

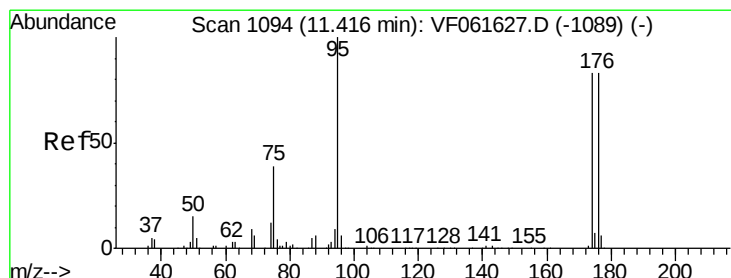
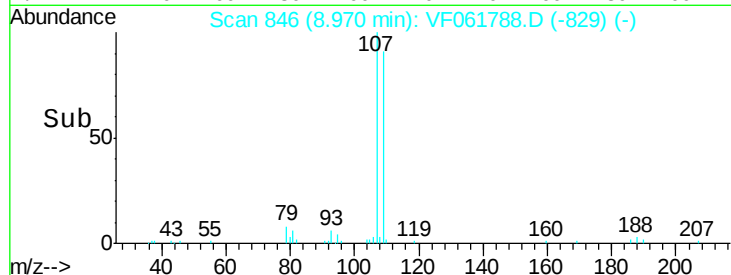
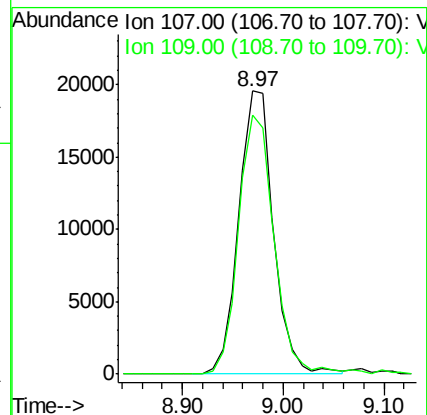
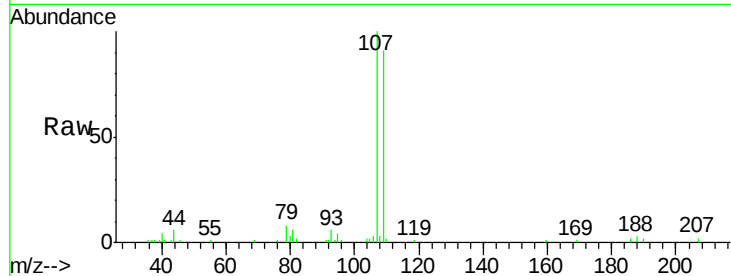
Ion Ratio Lower Upper

107 100

109 91.5 77.4 116.0

Manual Integrations
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3/2/2019 4:09:40 AM



#62

4-Bromofluorobenzene

Concen: 54.282 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

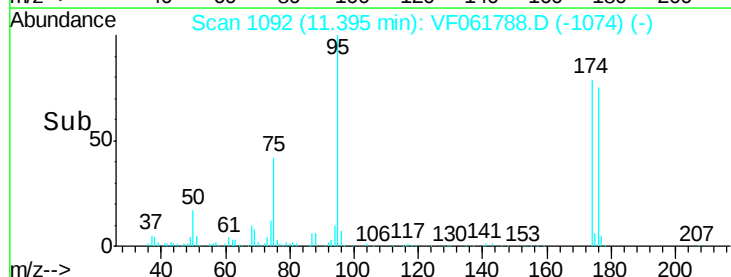
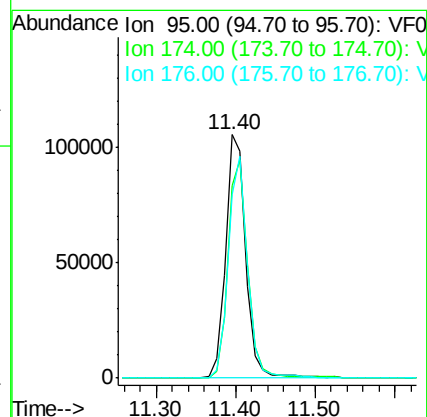
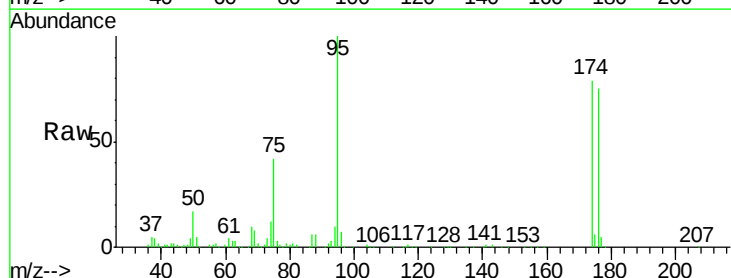
Tgt Ion: 95 Resp: 188890

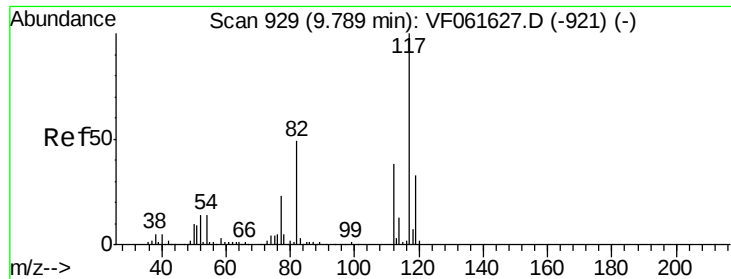
Ion Ratio Lower Upper

95 100

174 78.9 0.0 165.8

176 75.4 0.0 167.0





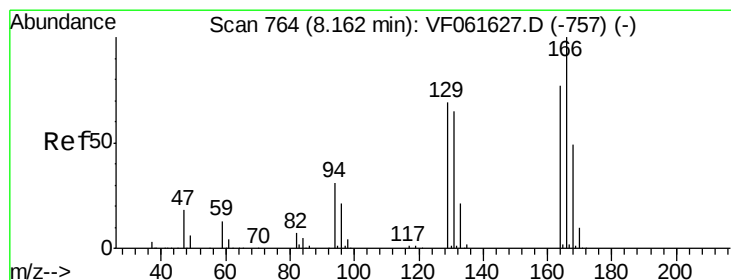
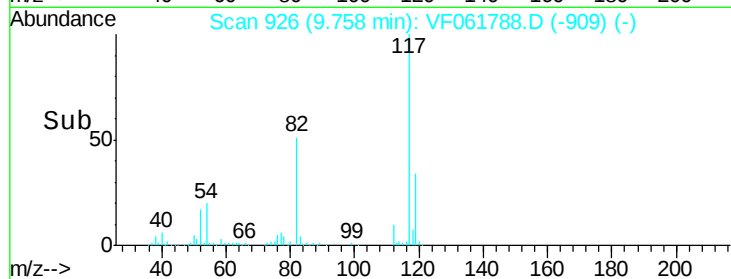
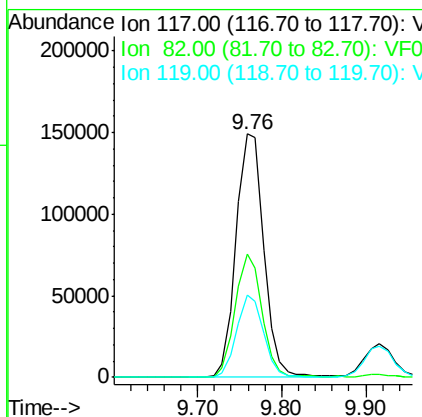
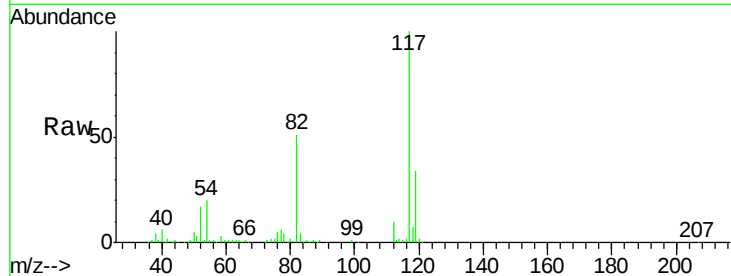
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	39.3	58.9
119	33.6	26.6	40.0

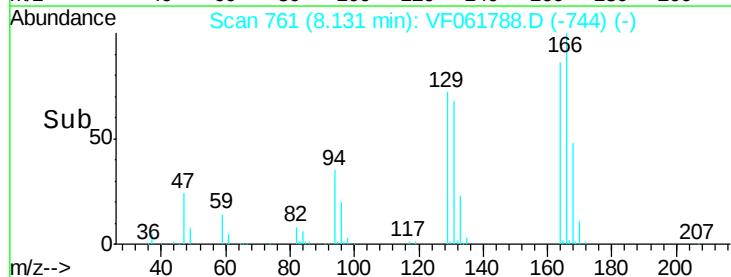
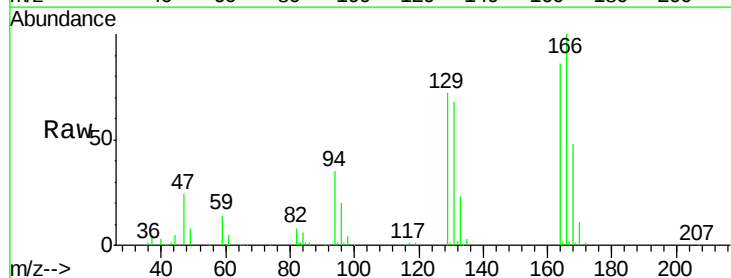
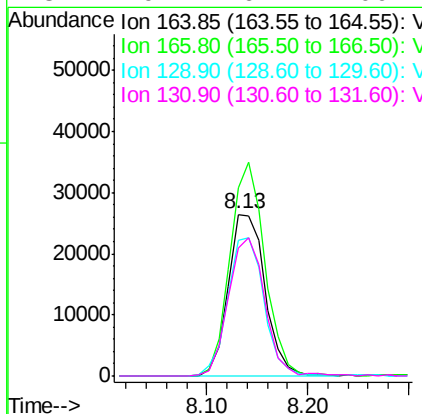
Manual Integrations
APPROVED

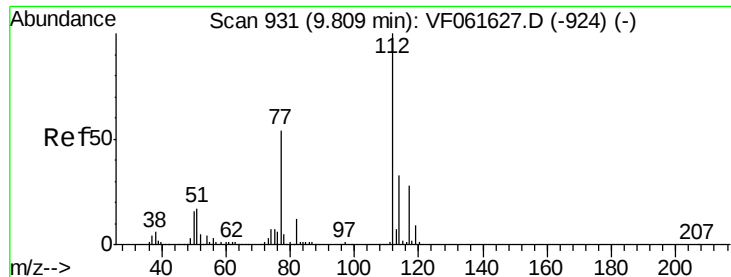
MMDadoda
3/2/2019 4:09:40 AM



#64
Tetrachloroethene
Concen: 23.700 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.5	103.9	155.9
129	84.1	71.3	106.9
131	79.7	67.1	100.7





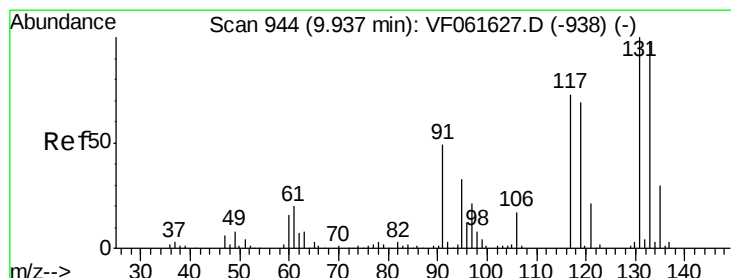
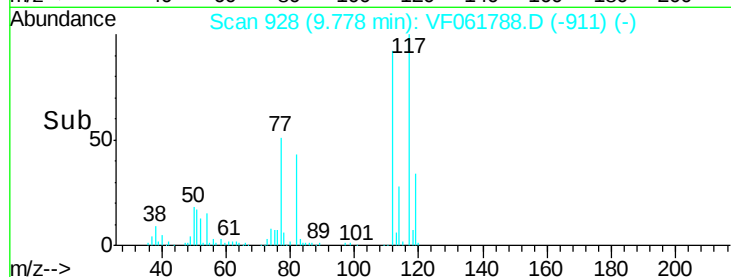
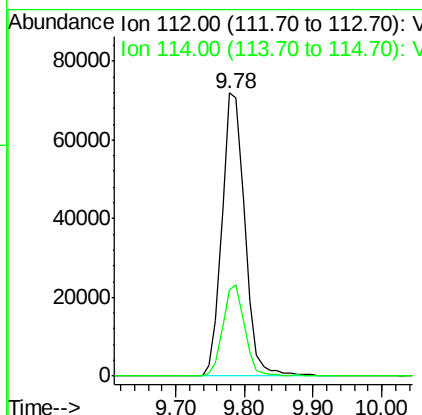
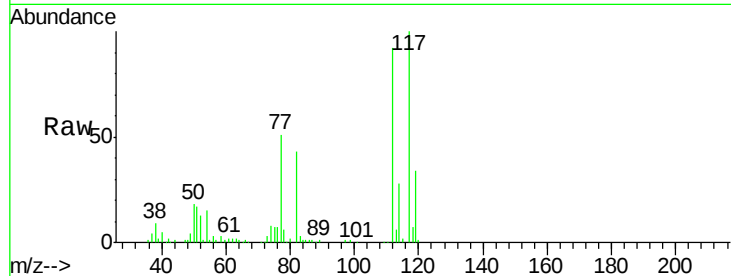
#65
Chlorobenzene
Concen: 23.706 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion:112 Resp: 165978
Ion Ratio Lower Upper
112 100
114 30.6 26.2 39.2

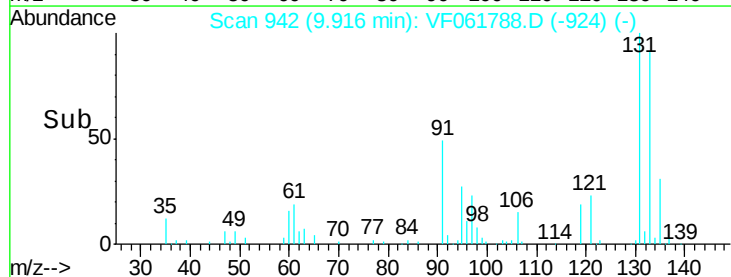
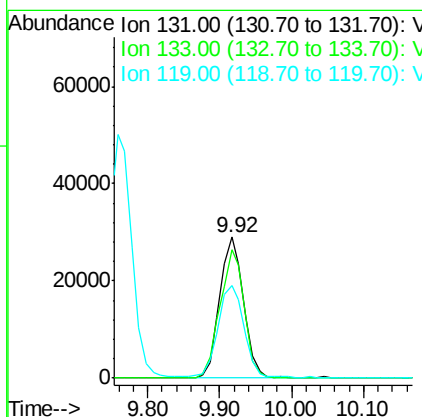
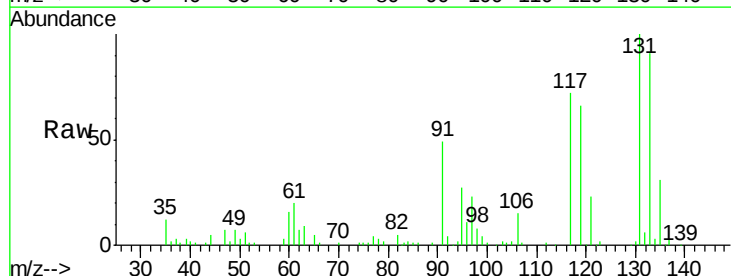
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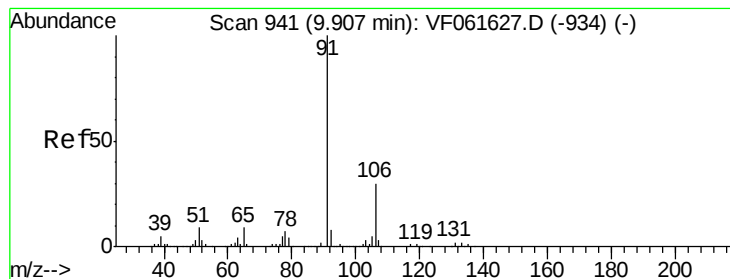
MMDadoda
3/2/2019 4:09:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.262 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion:131 Resp: 66563
Ion Ratio Lower Upper
131 100
133 91.2 48.9 146.6
119 66.0 34.8 104.3





#67

Ethyl Benzene

Concen: 24.232 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion: 91 Resp: 282143

Ion Ratio Lower Upper

91 100

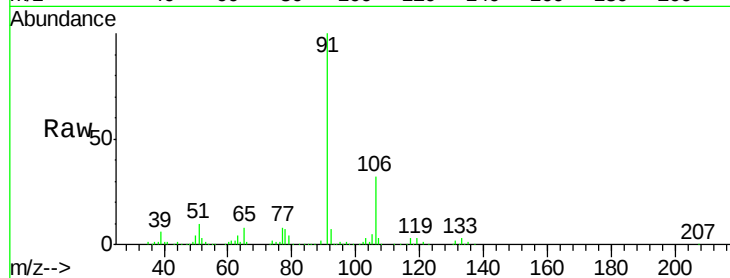
106 31.9 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

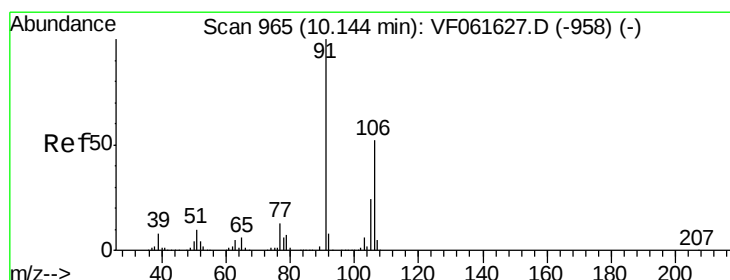
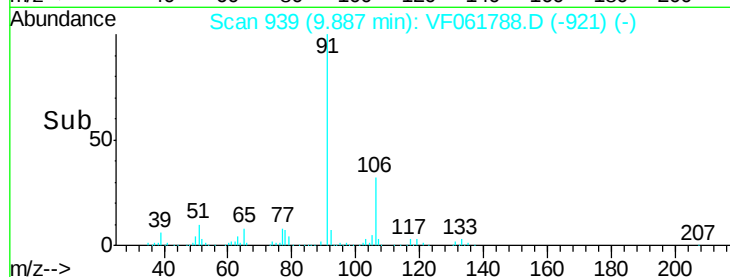
100000

50000

0

9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 47.110 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061788.D

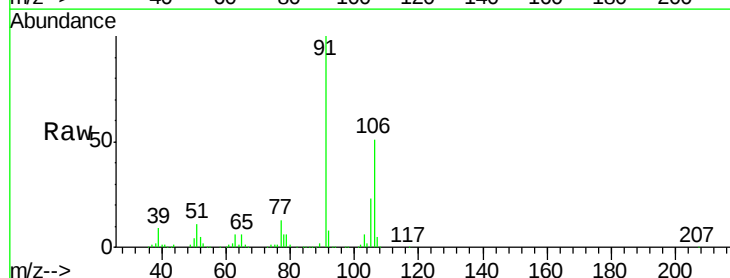
Acq: 28 Feb 2019 15:30

Tgt Ion: 106 Resp: 209925

Ion Ratio Lower Upper

106 100

91 195.1 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

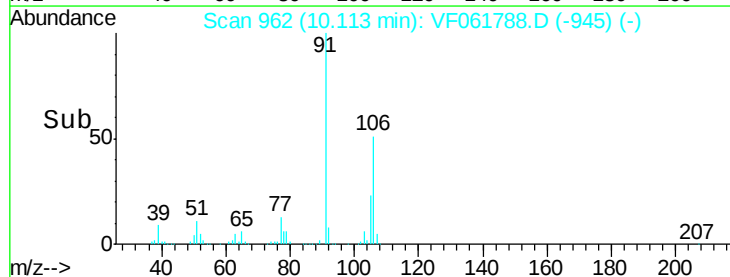
100000

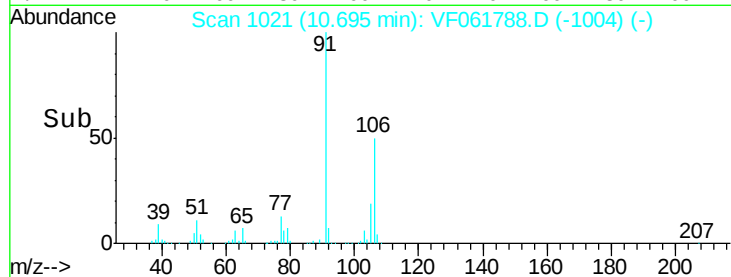
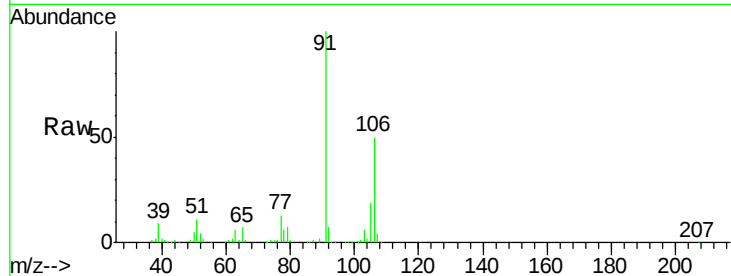
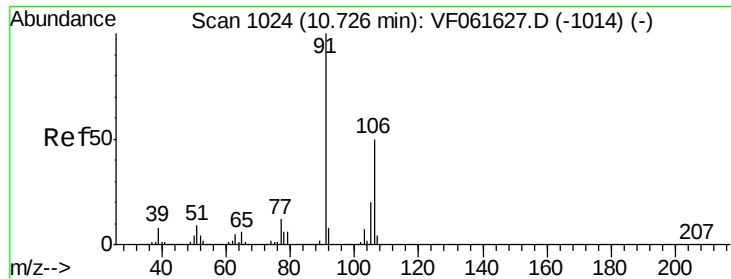
50000

0

10.00 10.10 10.20

Time-->





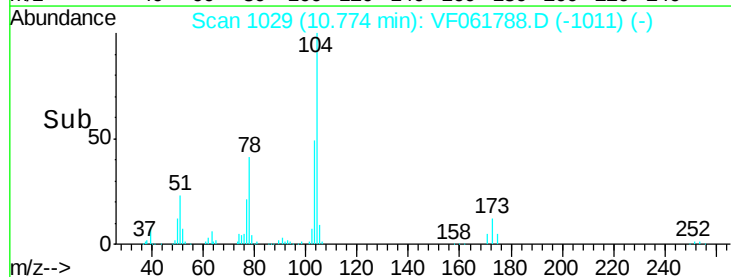
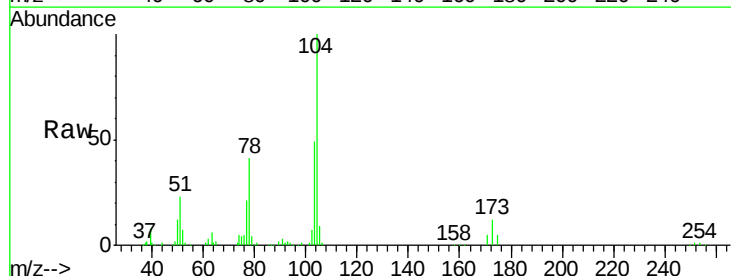
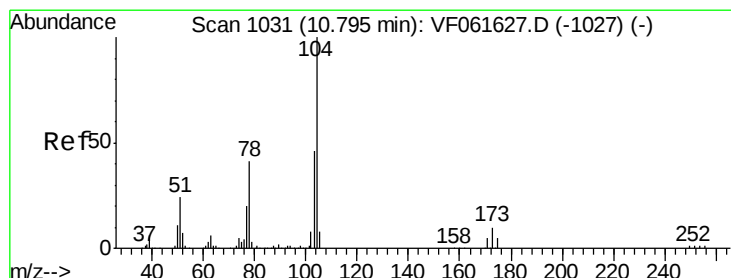
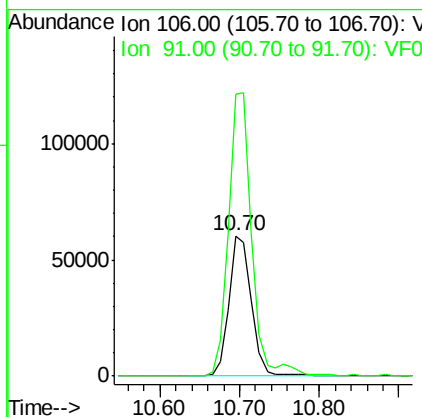
#69
o-Xylene
Concen: 25.340 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tot Ion	Ratio	Resp	Lower	Upper
106	100	120485		
91	200.9	100.1	300.1	

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

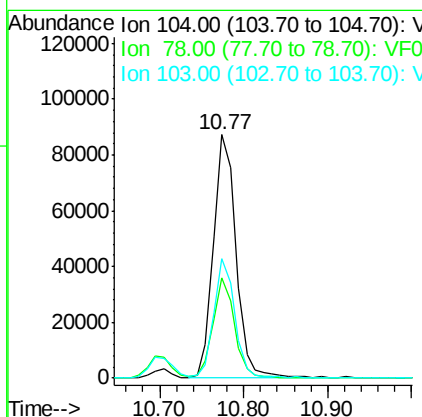
Manual Integrations
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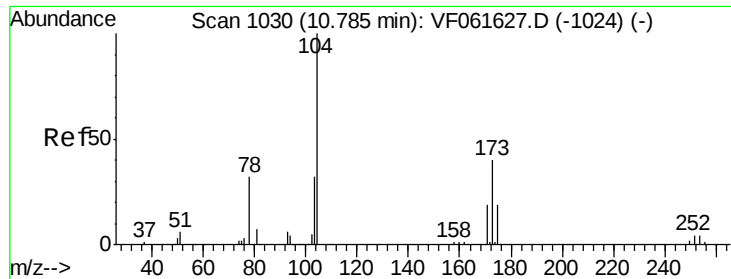
MMDadoda
3/2/2019 4:09:40 AM



#70
Styrene
Concen: 24.222 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	162931		
78	41.4	33.2	49.8	
103	48.8	37.2	55.8	





#71

Bromoform

Concen: 23.105 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

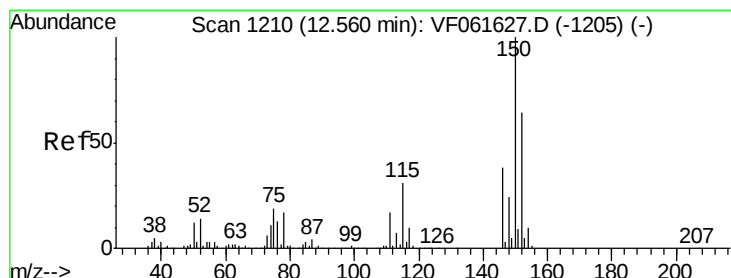
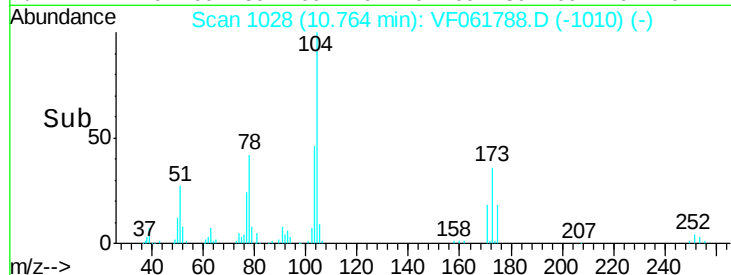
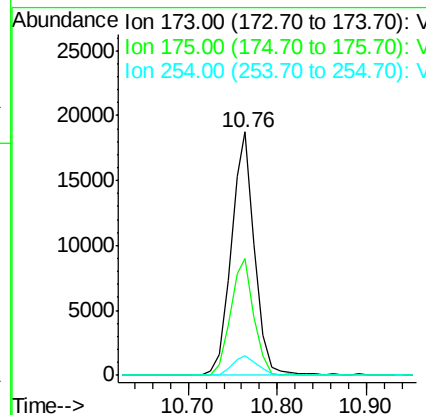
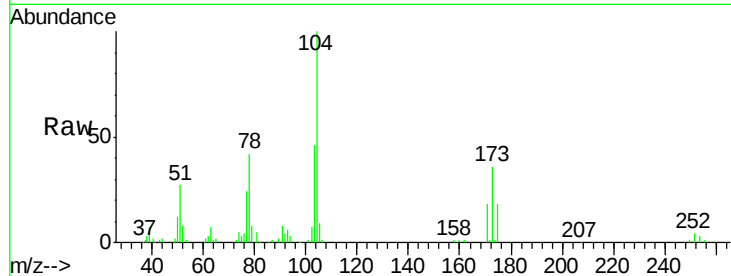
ClientSampleId :

VF0228SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.0	72.0
254	8.3	8.2	12.2

Manual Integrations
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3/2/2019 4:09:40 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

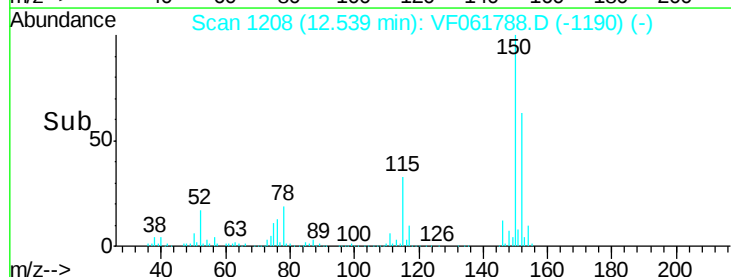
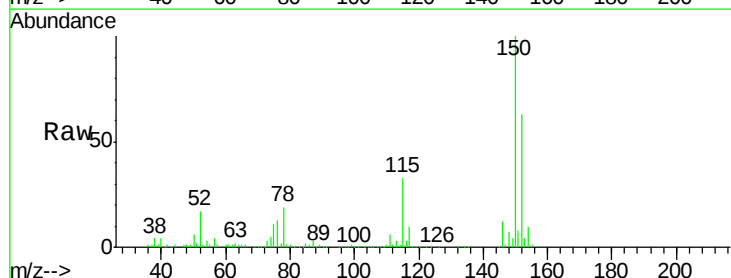
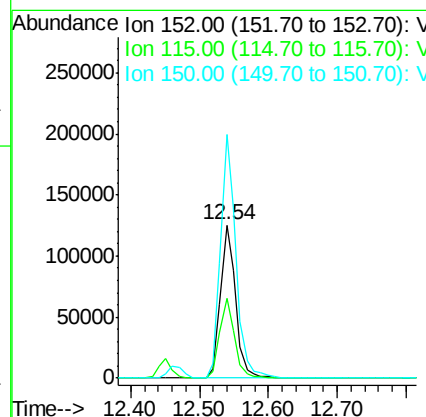
RT: 12.54 min Scan# 1208

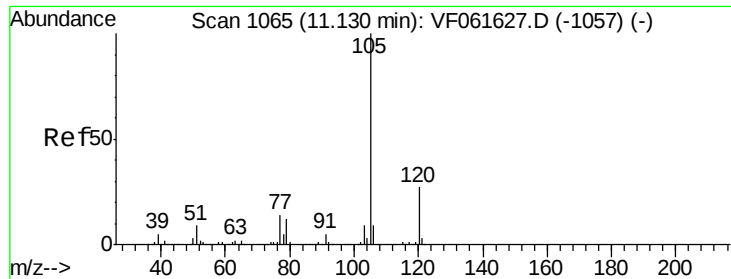
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	24.3	72.8
150	159.1	0.0	312.0





#73

Isopropylbenzene

Concen: 24.324 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion:105 Resp: 330797

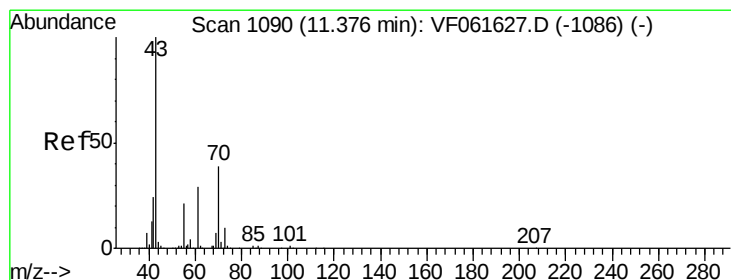
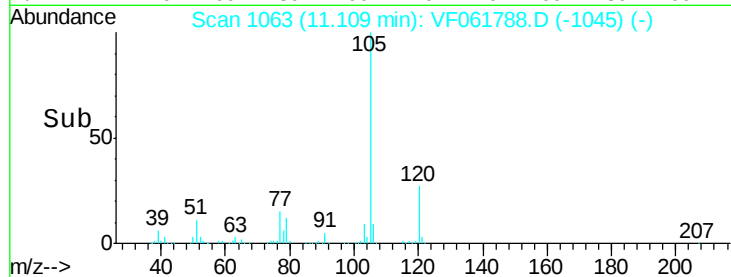
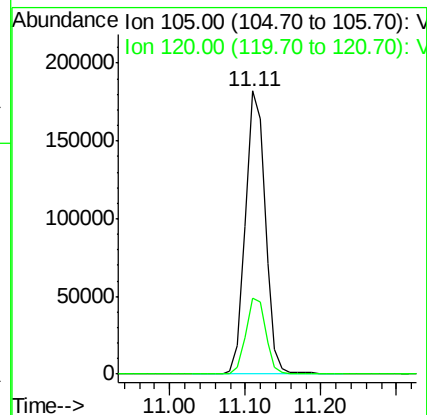
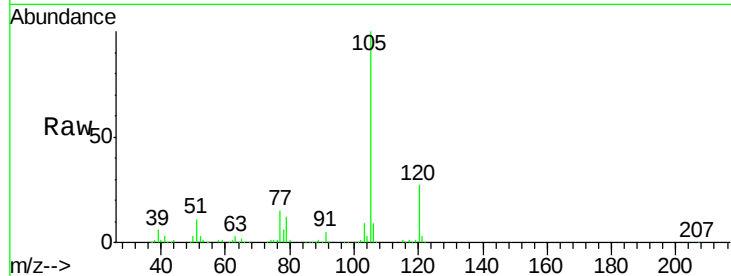
Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1

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3/2/2019 4:09:40 AM



#74

N-ethyl acetate

Concen: 22.393 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion: 43 Resp: 73098

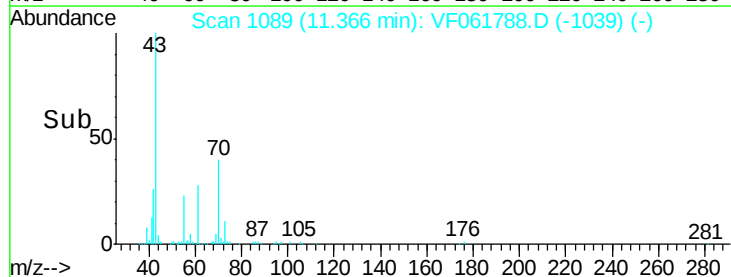
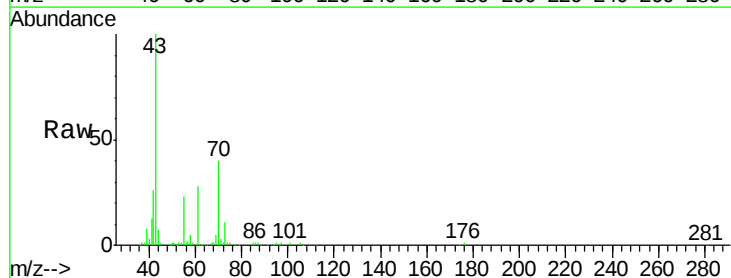
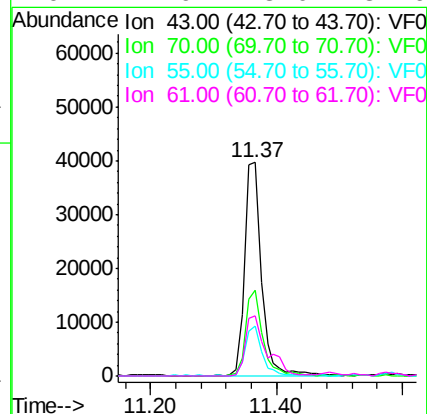
Ion Ratio Lower Upper

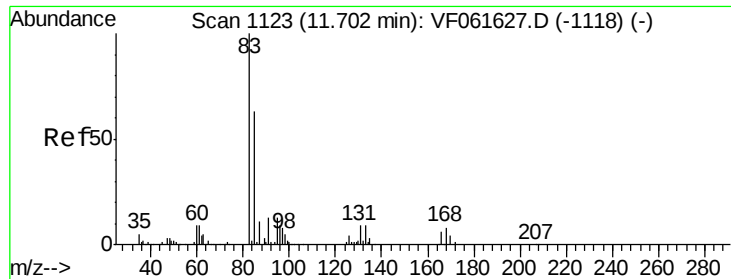
43 100

70 40.0 31.5 47.3

55 23.4 16.7 25.1

61 27.9 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.715 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

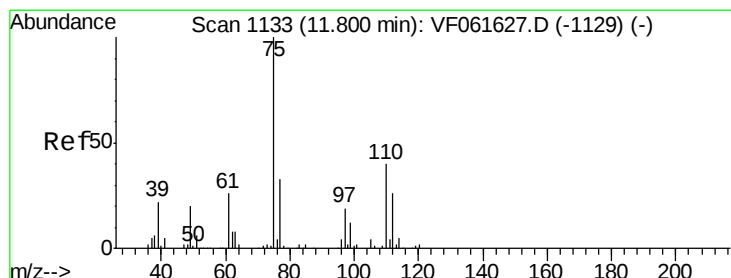
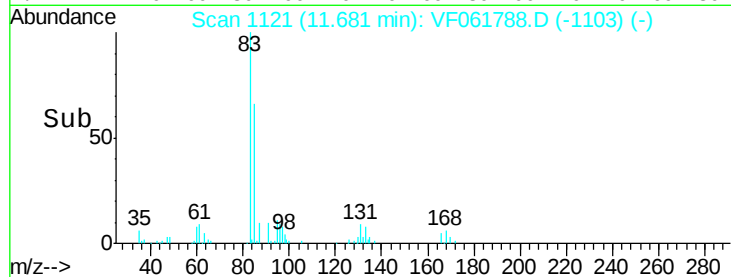
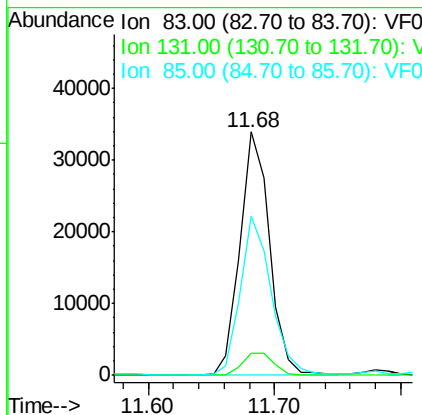
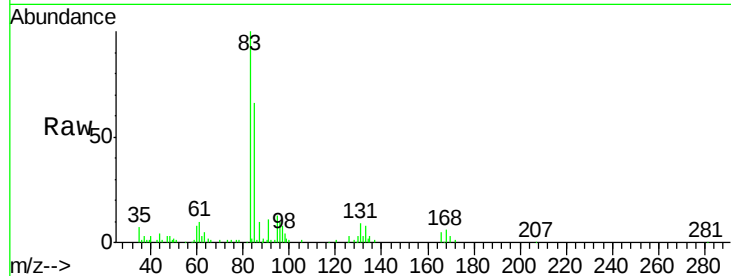
ClientSampleId :

VF0228SBS01

Tot Ion:	83	Resp:	55343
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.4	13.2
85	65.6	31.5	94.5

Manual Integrations
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3/2/2019 4:09:40 AM



#76

1,2,3-Trichloropropane

Concen: 22.564 ug/l

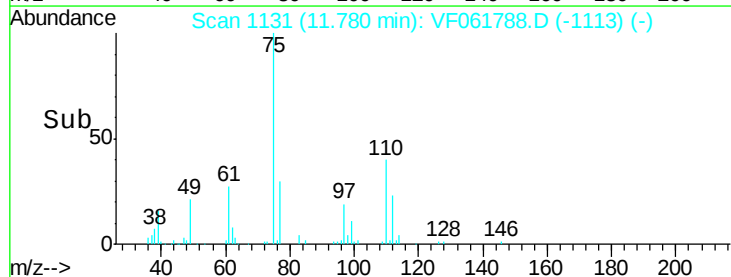
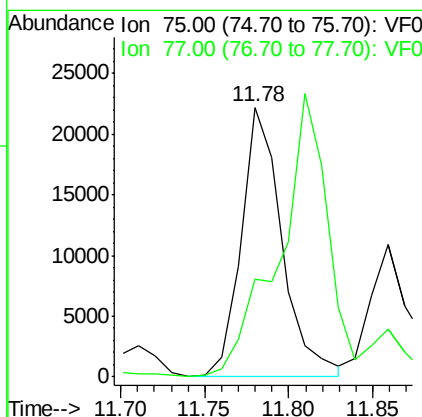
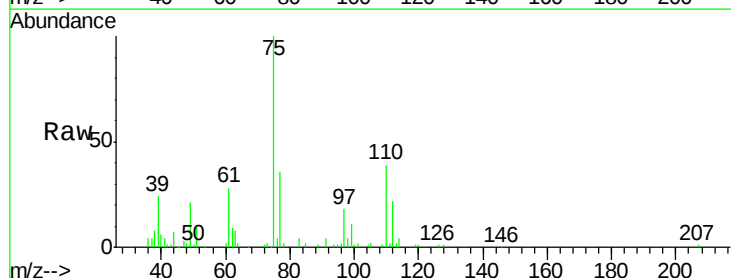
RT: 11.78 min Scan# 1131

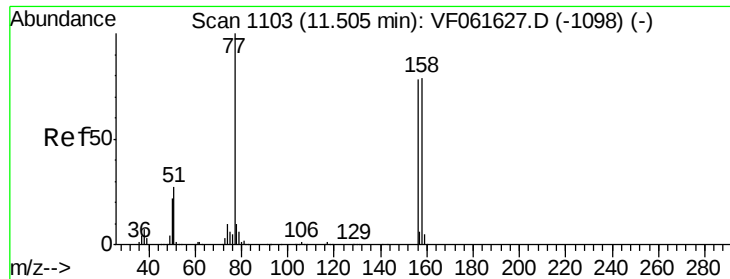
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	75	Resp:	37378
Ion Ratio	Lower	Upper	
75	100		
77	36.2	16.6	49.7





#77

Bromobenzene

Concen: 23.543 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

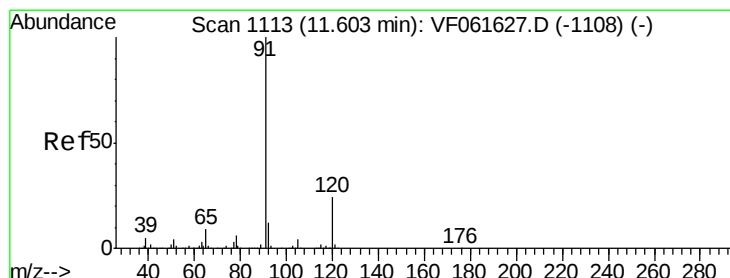
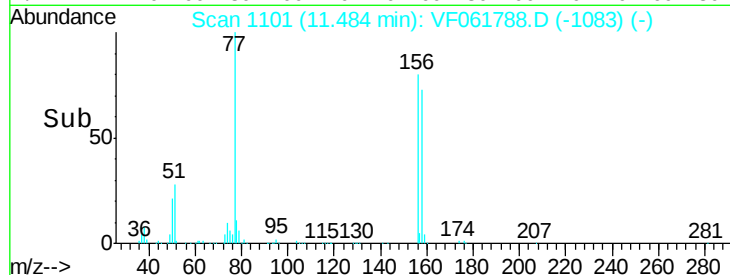
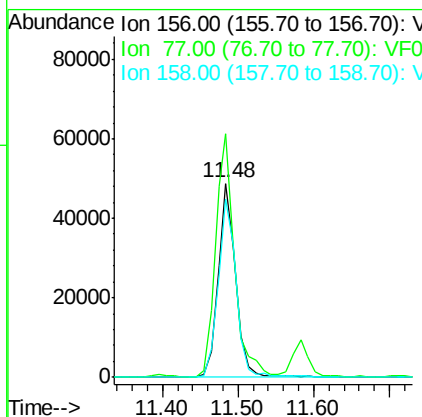
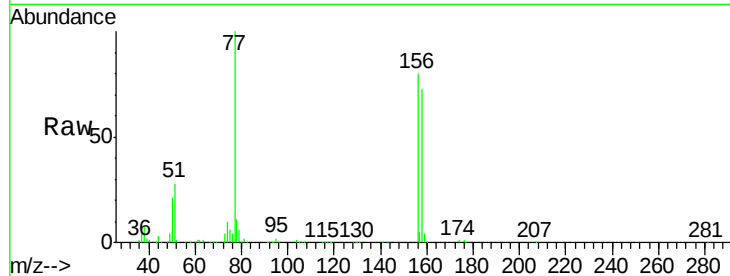
ClientSampleId :

VF0228SBS01

Tot Ion:	156	Resp:	79098
Ion Ratio	Lower	Upper	
156	100		
77	125.5	64.3	192.7
158	91.9	50.9	152.7

Manual Integrations
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#78

n-propylbenzene

Concen: 24.470 ug/l

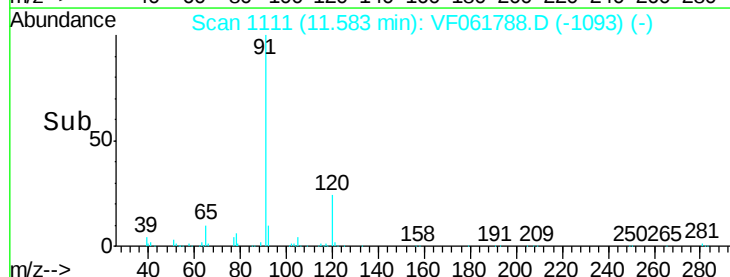
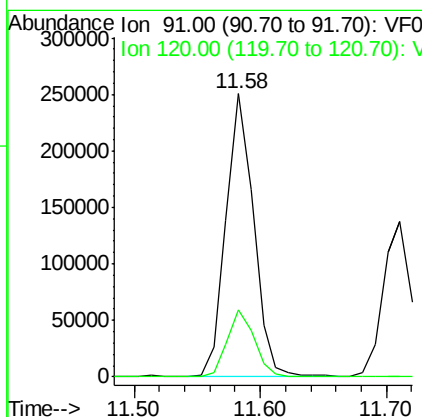
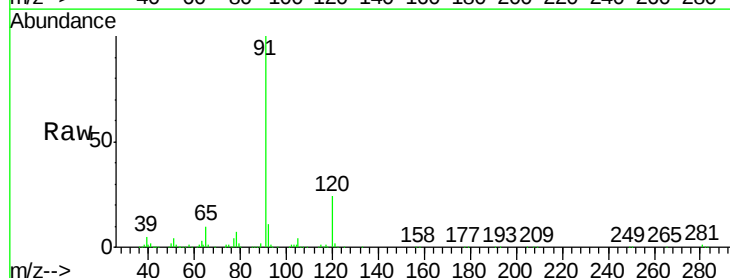
RT: 11.58 min Scan# 1111

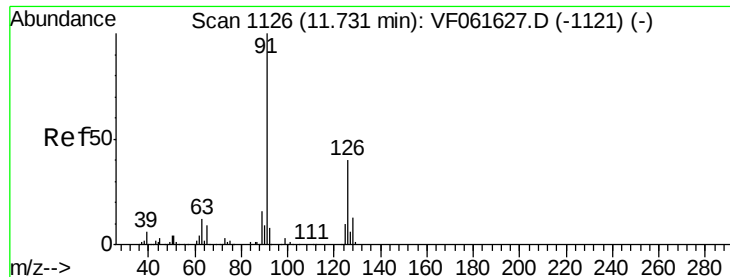
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	91	Resp:	381882
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.1	36.3





#79

2-Chlorotoluene

Concen: 24.603 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBSD01

Tot Ion: 91 Resp: 215040

Ion Ratio Lower Upper

91 100

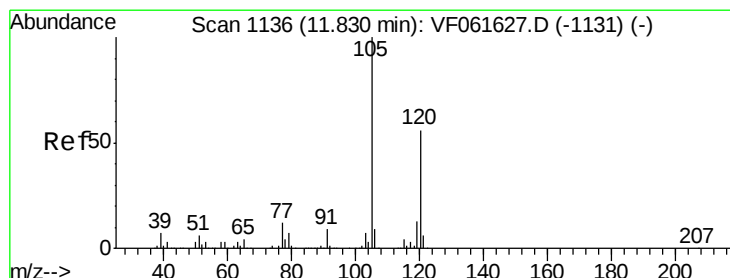
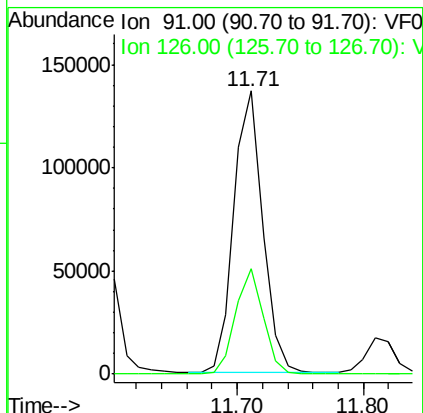
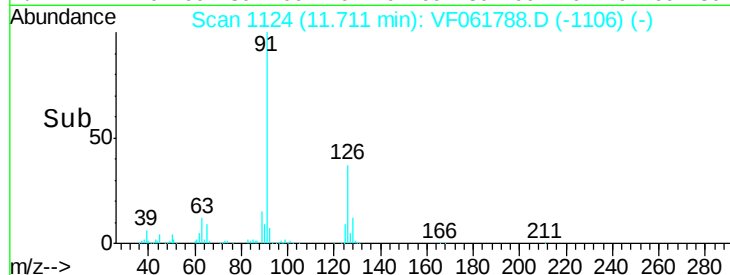
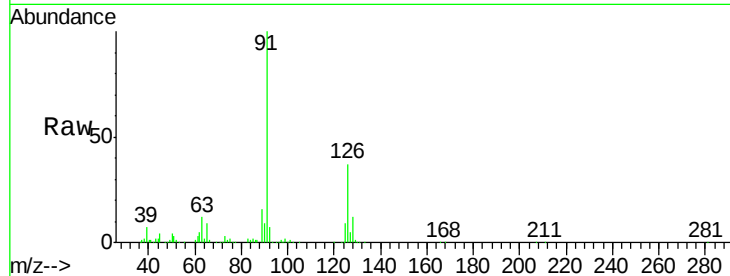
126 37.4 19.8 59.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 24.971 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061788.D

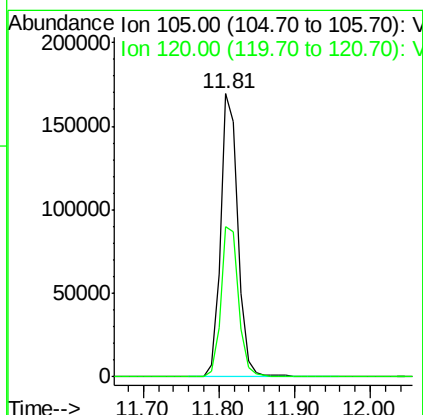
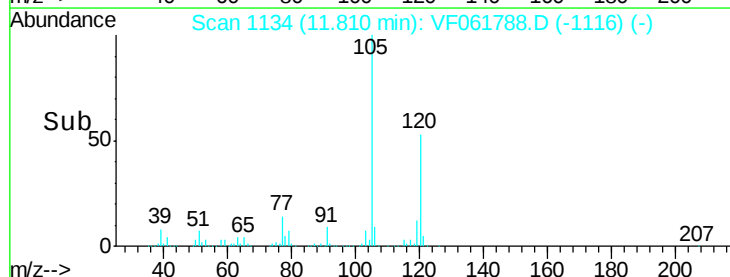
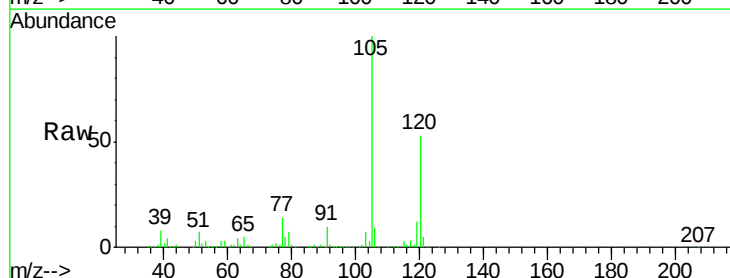
Acq: 28 Feb 2019 15:30

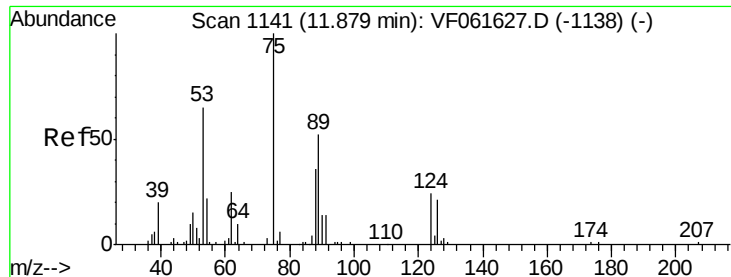
Tgt Ion: 105 Resp: 271421

Ion Ratio Lower Upper

105 100

120 53.0 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.424 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

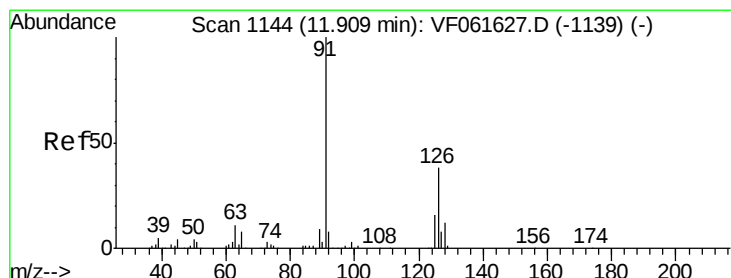
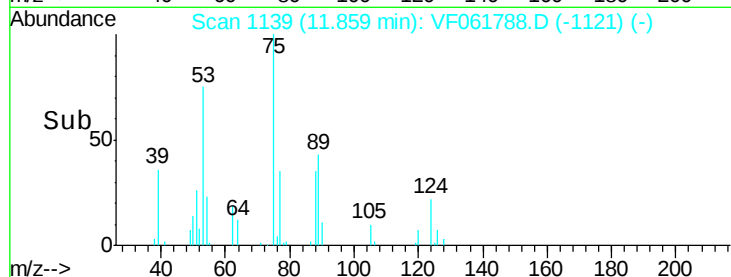
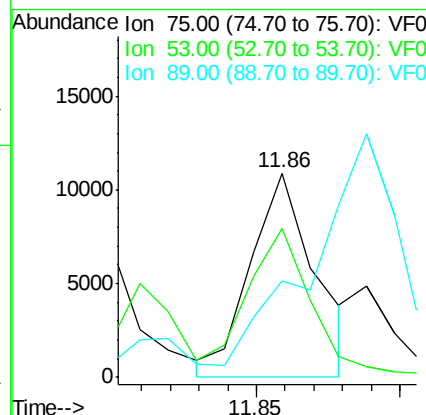
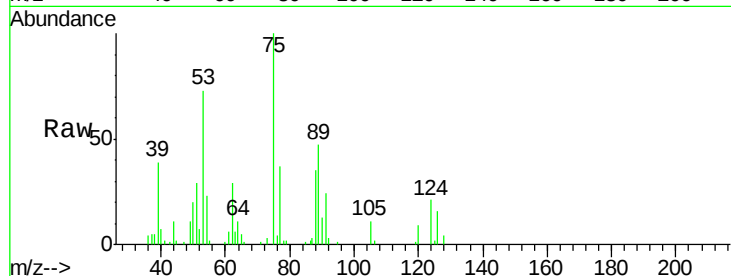
ClientSampleId :

VF0228SBSD01

Tot Ion:	75	Resp:	17014
Ion	Ratio	Lower	Upper
75	100		
53	72.8	53.7	80.5
89	47.1	41.6	62.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 24.022 ug/l

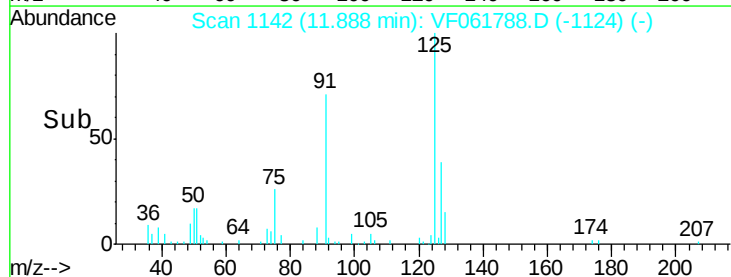
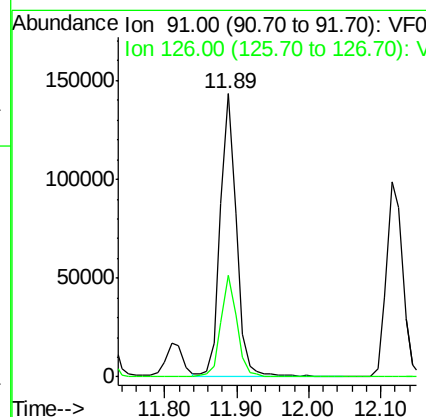
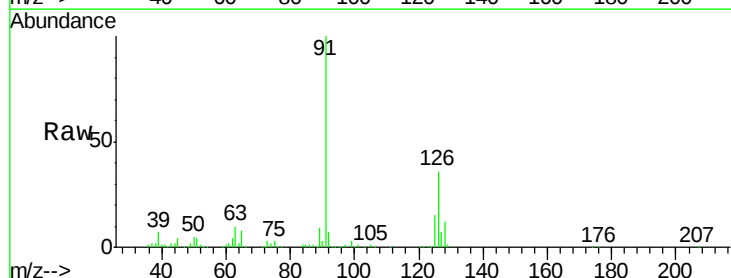
RT: 11.89 min Scan# 1142

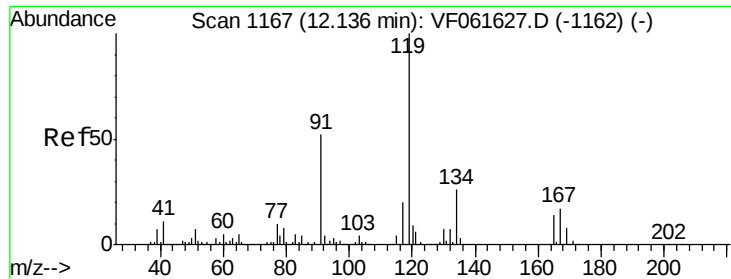
Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	91	Resp:	217926
Ion	Ratio	Lower	Upper
91	100		
126	36.0	19.1	57.1





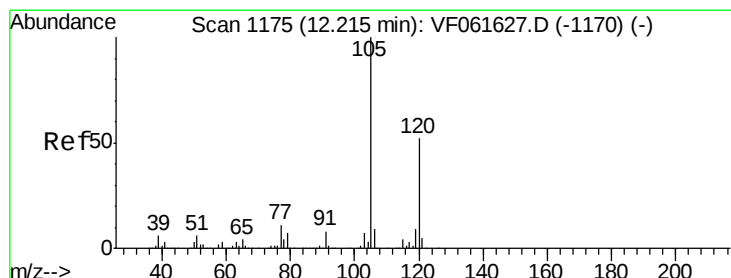
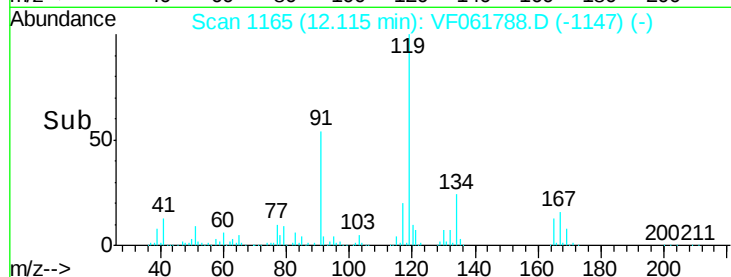
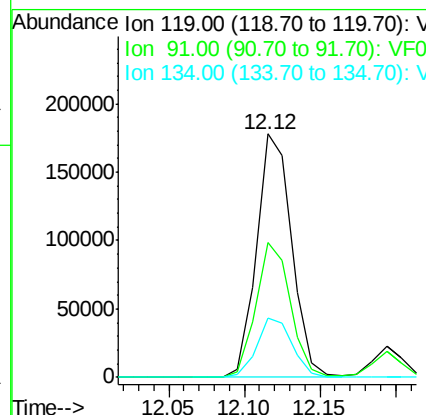
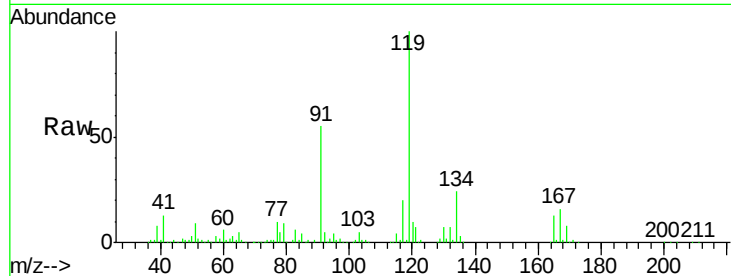
#83
tert-Butylbenzene
Concen: 24.006 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289011		
91	55.4	26.3	78.8	
134	24.2	12.9	38.7	

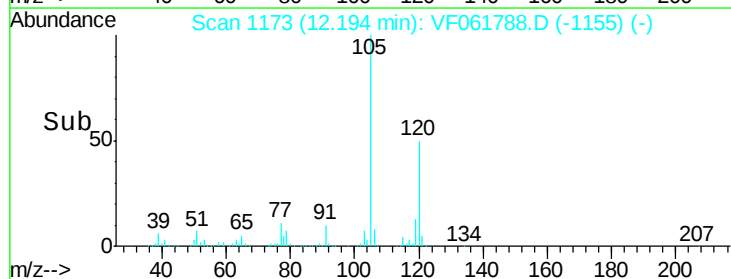
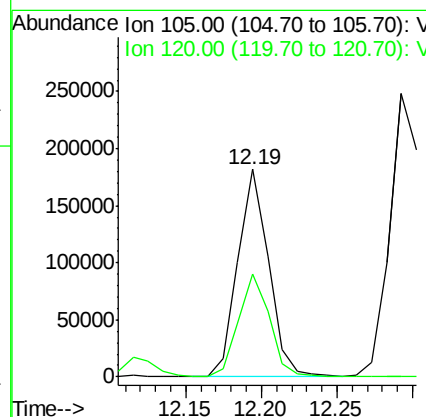
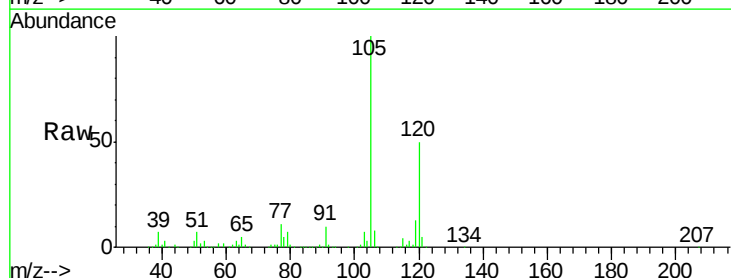
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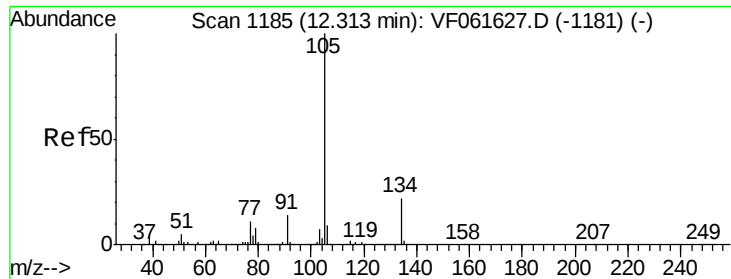
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.918 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258279		
120	49.9	26.1	78.3	





#85

sec-Butylbenzene

Concen: 24.058 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

ClientSampleId :

VF0228SBS01

Tot Ion:105 Resp: 374555

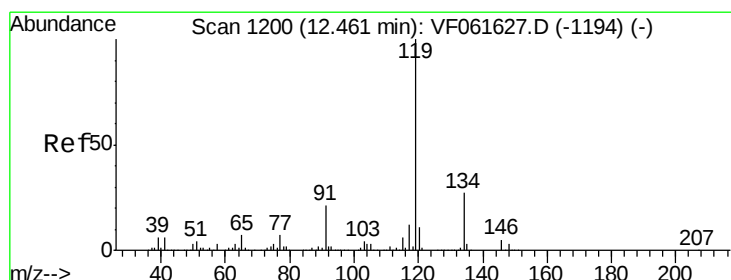
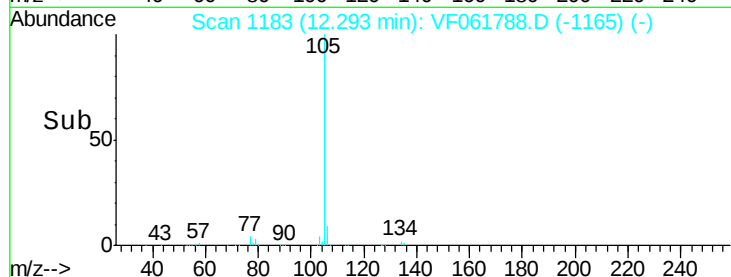
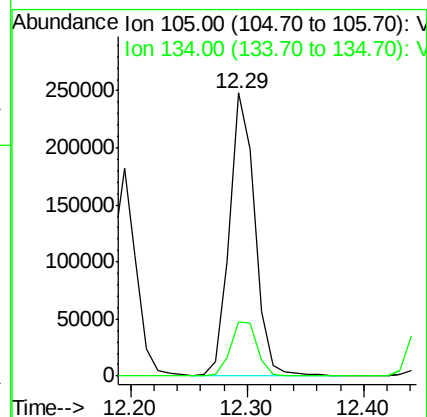
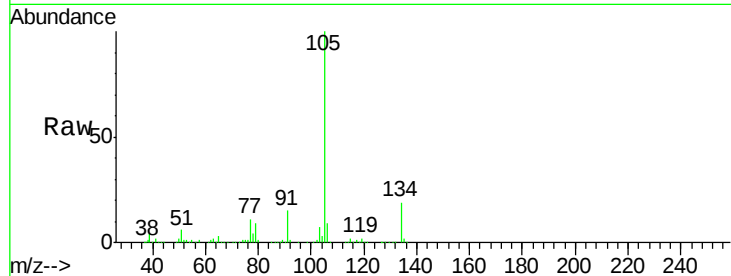
Ion Ratio Lower Upper

105 100

134 19.2 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 25.142 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

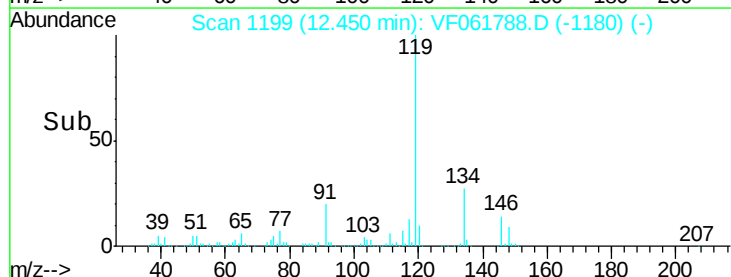
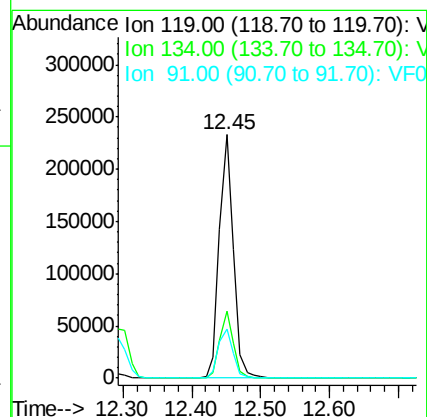
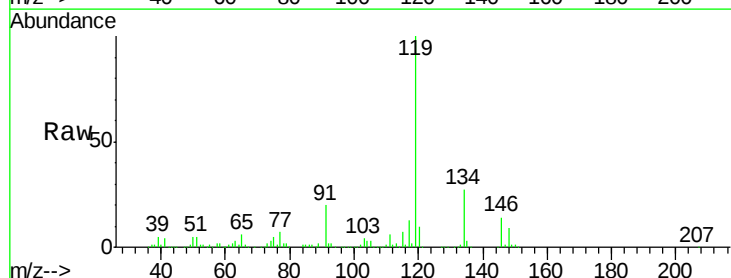
Tgt Ion:119 Resp: 328497

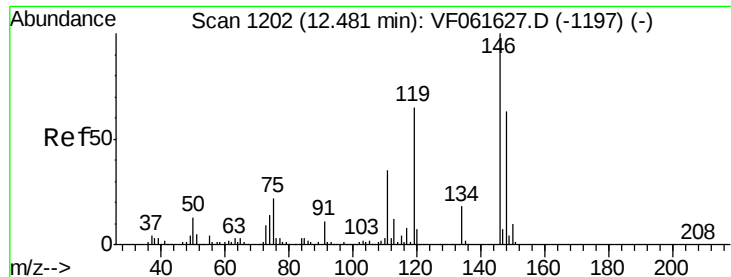
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 20.3 10.8 32.4





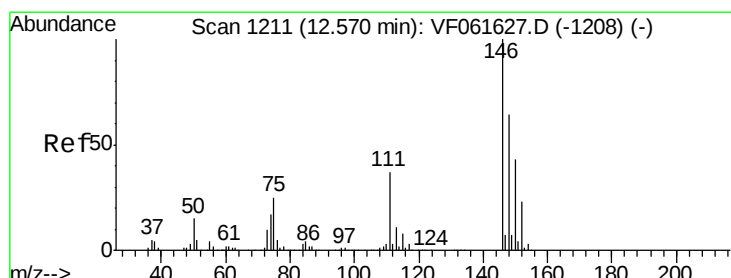
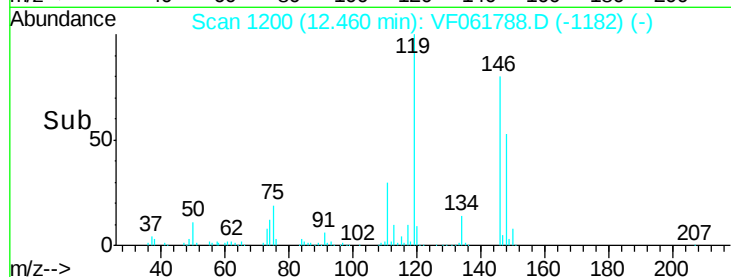
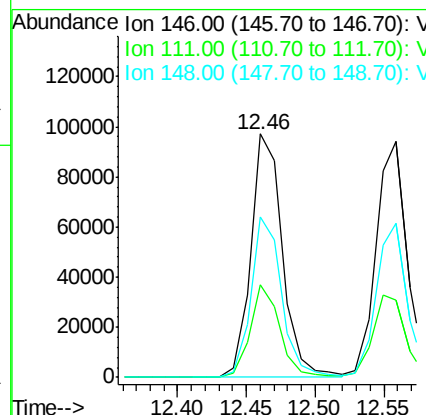
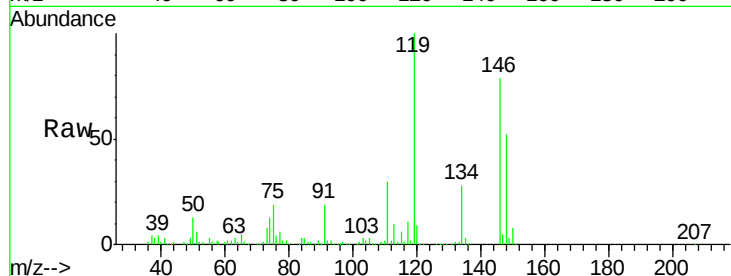
#87
 1,3-Dichlorobenzene
 Concen: 23.772 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	17.5	52.6
148	65.6	31.4	94.3

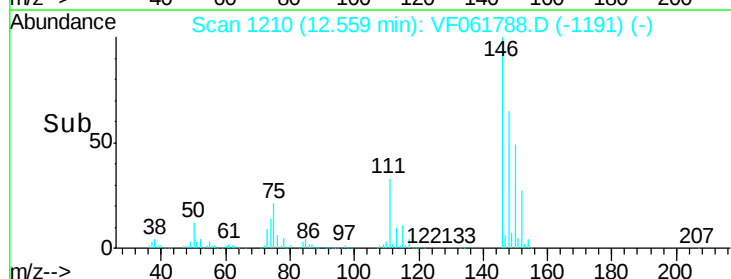
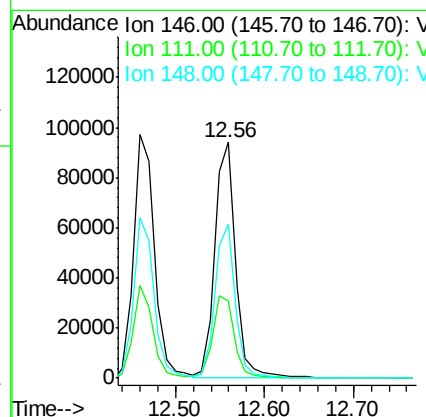
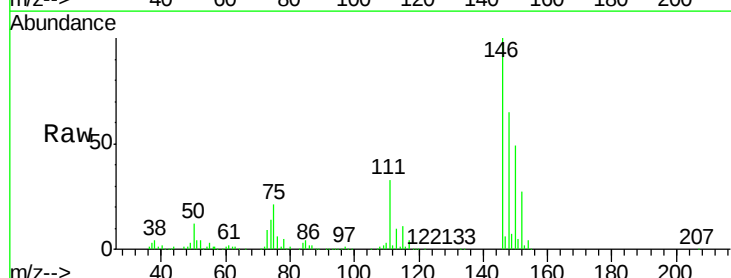
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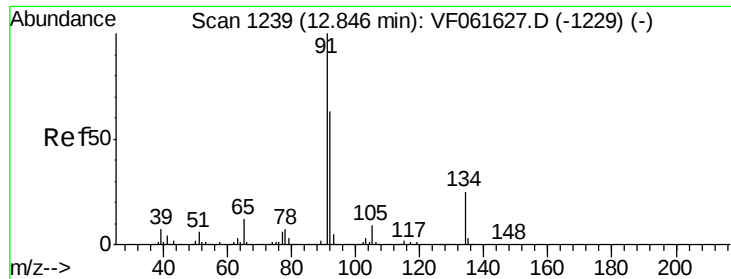
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#88
 1,4-Dichlorobenzene
 Concen: 23.965 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	18.4	55.4
148	65.3	32.2	96.6





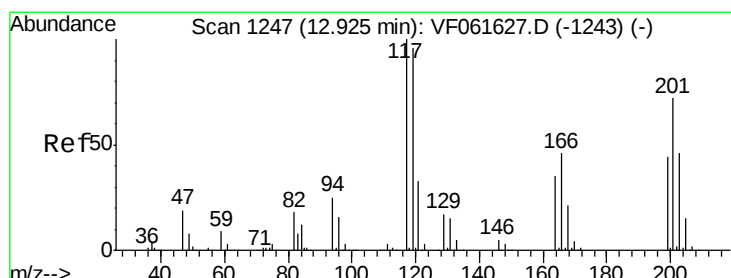
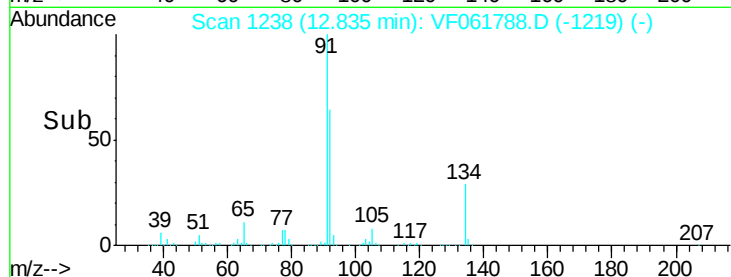
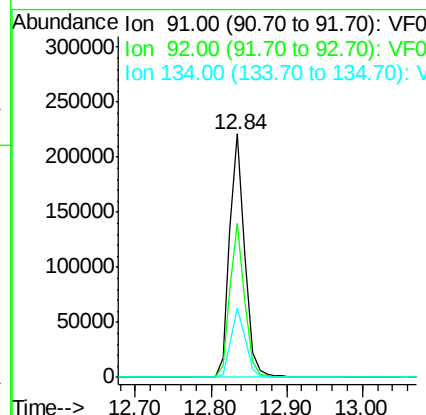
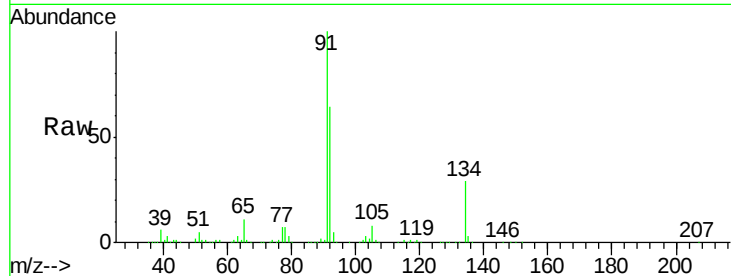
#89
n-Butylbenzene
Concen: 24.721 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Instrument :
MSVOA_F
ClientSampleId :
VF0228SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.5	31.4	94.3
134	28.6	12.3	36.9

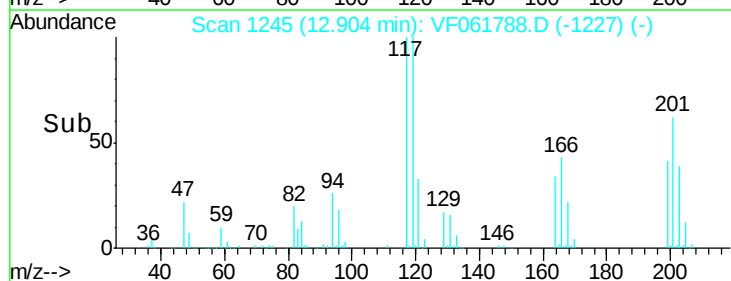
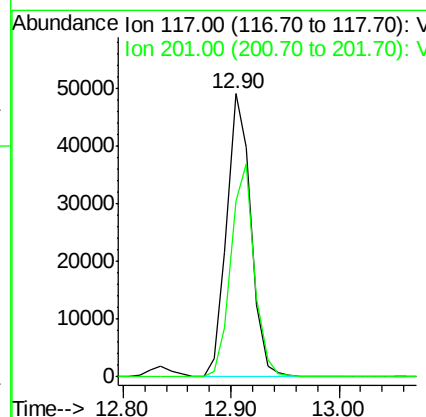
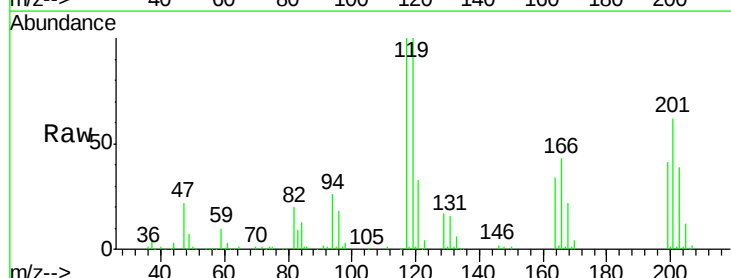
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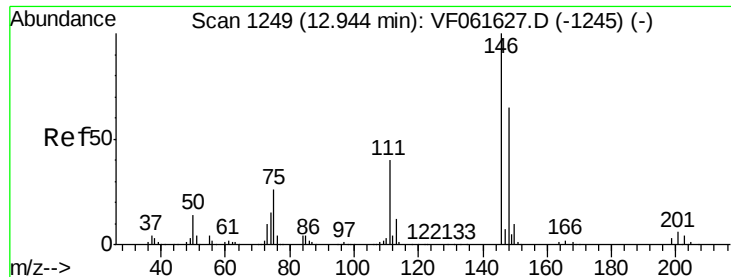
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#90
Hexachloroethane
Concen: 25.230 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061788.D
Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.2	36.2	108.6





#91

1,2-Dichlorobenzene

Concen: 24.176 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

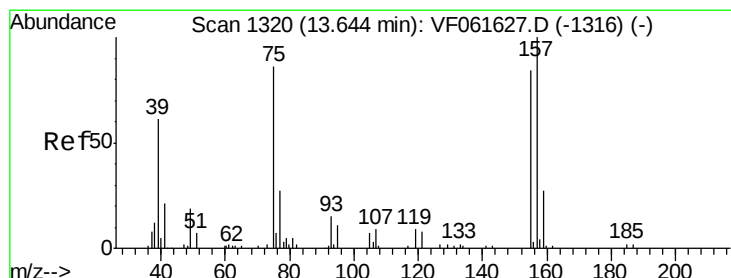
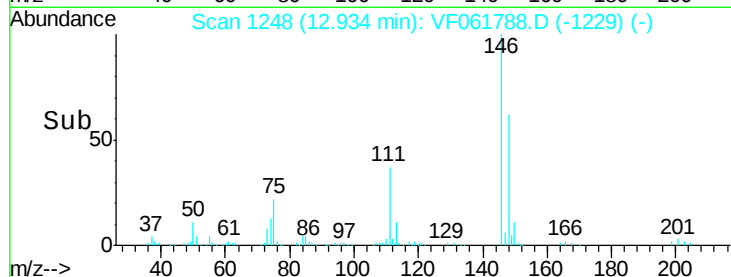
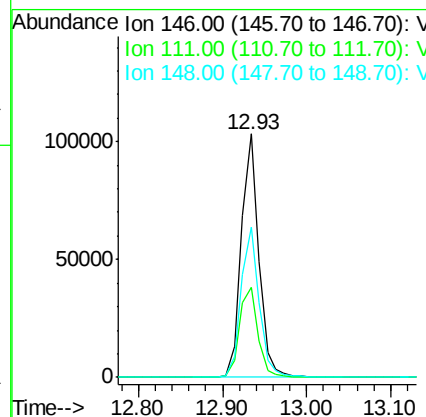
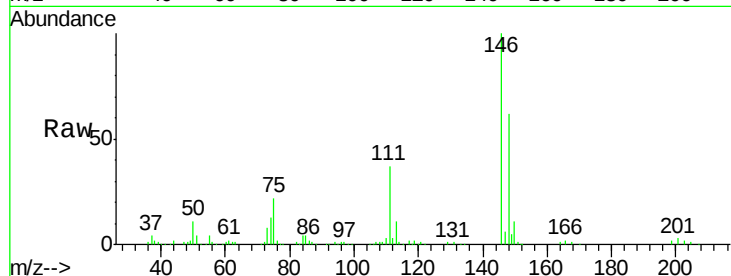
ClientSampleId :

VF0228SBS01

Tot Ion:	146	Resp:	150615
Ion Ratio		Lower	Upper
146	100		
111	36.7	20.2	60.5
148	61.8	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.930 ug/l

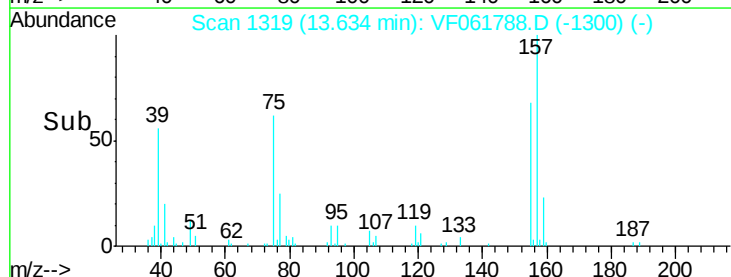
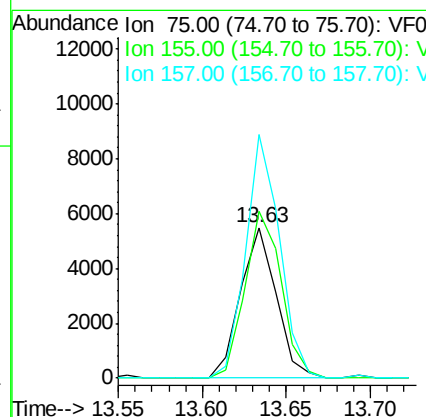
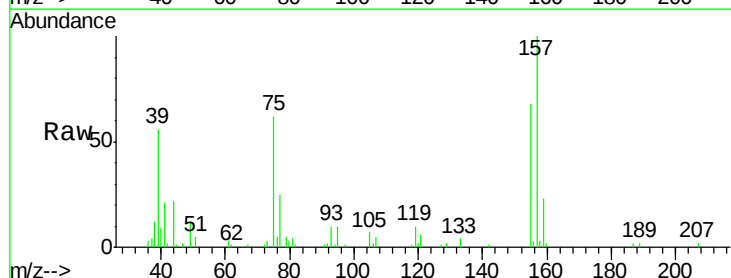
RT: 13.63 min Scan# 1319

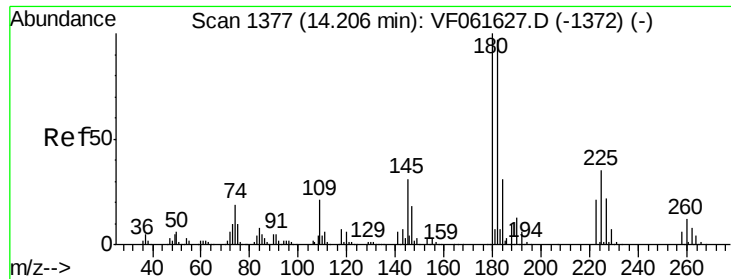
Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	75	Resp:	8085
Ion Ratio		Lower	Upper
75	100		
155	110.7	48.9	146.8
157	162.1	58.3	174.8





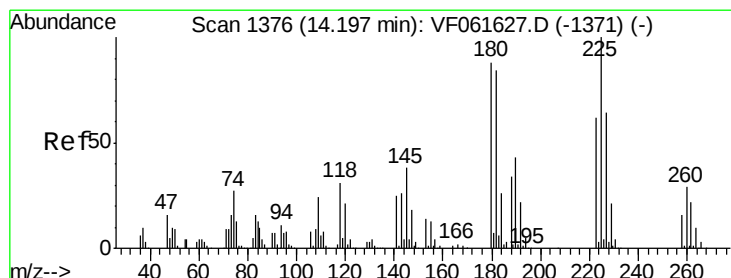
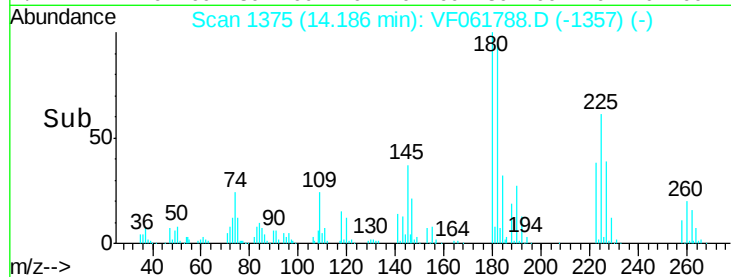
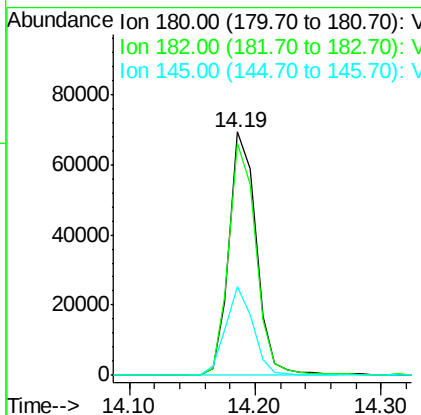
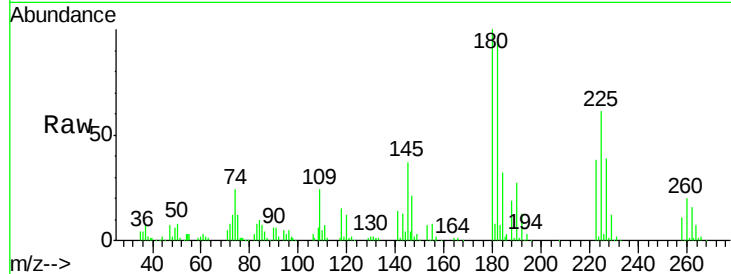
#93
 1,2,4-Trichlorobenzene
 Concen: 23.241 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.6	145.9	
145	36.6	15.3	45.9	

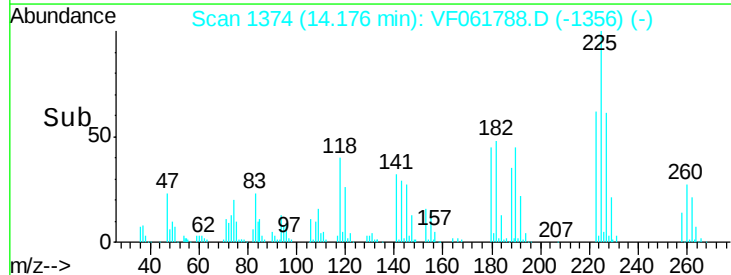
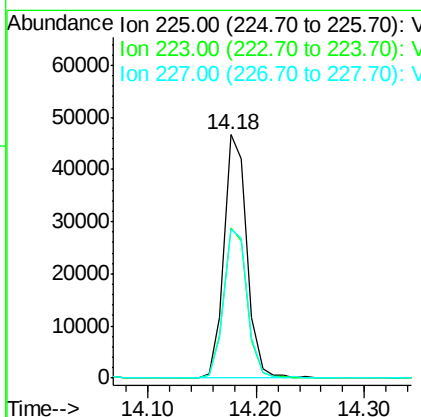
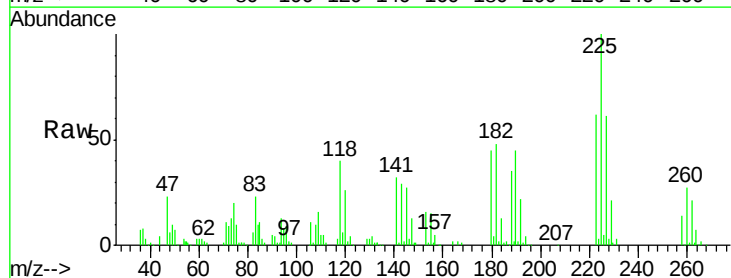
Manual Integrations
 APPROVED

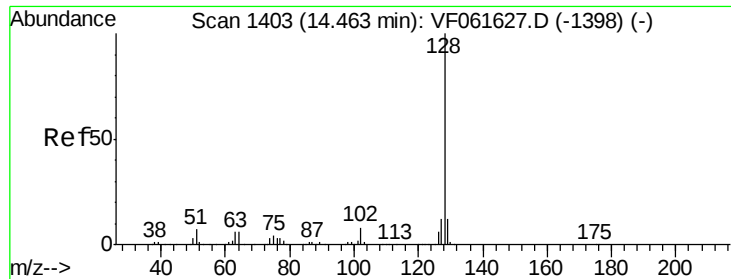
MMDadoda
 3/2/2019 4:09:40 AM



#94
 Hexachlorobutadiene
 Concen: 25.045 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061788.D
 Acq: 28 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.9	92.7	
227	61.1	32.1	96.3	





#95

Naphthalene

Concen: 23.136 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA_F

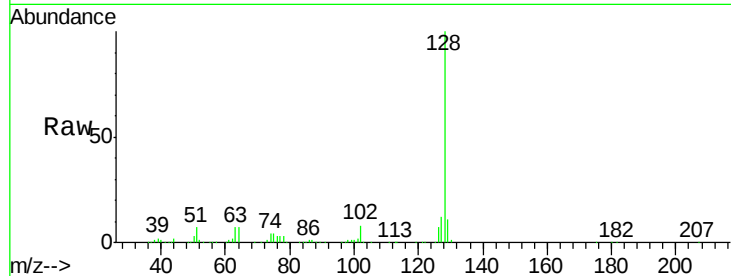
ClientSampleId :

VF0228SBS01

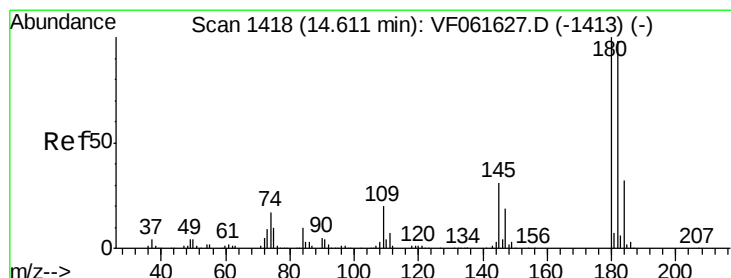
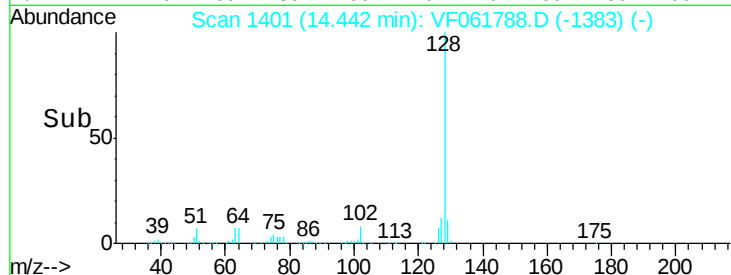
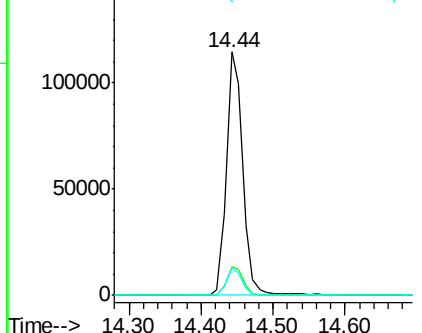
Tot Ion:	128	Resp:	180758
Ion Ratio	Lower	Upper	
128	100		
127	11.6	9.8	14.6
129	11.2	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
3/2/2019 4:09:40 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.326 ug/l

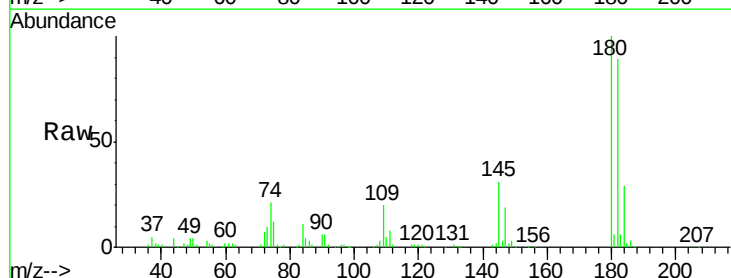
RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:	180	Resp:	95605
Ion Ratio	Lower	Upper	
180	100		
182	88.7	49.0	147.2
145	30.8	15.4	46.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

