

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061696.D
 Acq On : 21 Feb 2019 14:15
 Operator : VA/AP
 Sample : VF0221SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:27:56 PM

Quant Time: Feb 22 03:40:41 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	4.87	168	337490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	519122	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	433507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	246869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	126873	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
35) Dibromofluoromethane	4.12	113	187589	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
50) Toluene-d8	7.56	98	540398	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.41	95	209284	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	97428	25.138	ug/l	99
3) Chloromethane	1.10	50	89488	22.006	ug/l	95
4) Vinyl Chloride	1.14	62	87711	23.202	ug/l	92
5) Bromomethane	1.34	94	56550	21.735	ug/l	93
6) Chloroethane	1.40	64	42475	22.800	ug/l	97
7) Trichlorofluoromethane	1.49	101	104134m	22.839	ug/l	
8) Diethyl Ether	1.63	74	23242	20.227	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.84	101	69136	21.019	ug/l #	90
10) Methyl Iodide	1.91	142	137889m	21.946	ug/l	
11) Tert butyl alcohol	2.57	59	15149	105.767	ug/l	94
12) 1,1-Dichloroethene	1.80	96	66860	23.119	ug/l	92
13) Acrolein	2.01	56	18702	103.892	ug/l	98
14) Allyl chloride	2.10	41	73250	20.641	ug/l	98
15) Acrylonitrile	2.95	53	47872	94.229	ug/l	91
16) Acetone	2.25	43	55634	104.773	ug/l	93
17) Carbon Disulfide	1.82	76	200450m	22.051	ug/l	
18) Methyl Acetate	2.36	43	36249	30.303	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	112079	22.677	ug/l	100
20) Methylene Chloride	2.18	84	73176m	24.429	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	59254	18.848	ug/l	88
22) Diisopropyl ether	2.80	45	192300	22.574	ug/l	96
23) Vinyl Acetate	3.19	43	456894	109.812	ug/l	99
24) 1,1-Dichloroethane	2.88	63	109993	21.337	ug/l	99
25) 2-Butanone	4.34	43	129250	111.436	ug/l	93
26) 2,2-Dichloropropane	3.61	77	53049	24.294	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	86538	20.972	ug/l	94
28) Bromochloromethane	3.73	49	53187	21.503	ug/l	97
29) Tetrahydrofuran	4.08	42	55477	105.236	ug/l	98
30) Chloroform	3.87	83	134268	22.903	ug/l	98
31) Cyclohexane	3.70	56	123821m	22.188	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	76159	19.831	ug/l	96
36) 1,1-Dichloropropene	4.28	75	118543	23.051	ug/l	93
37) Ethyl Acetate	4.11	43	46242	19.360	ug/l #	79
38) Carbon Tetrachloride	3.99	117	76869	21.647	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	130736	21.496	ug/l	97
40) Benzene	4.64	78	298860	22.218	ug/l	99
41) Methacrylonitrile	4.75	41	25718	21.054	ug/l	92
42) 1,2-Dichloroethane	4.95	62	66521	20.674	ug/l	94
43) Isopropyl Acetate	6.96	43	54295	19.204	ug/l #	97
44) Trichloroethene	5.51	130	94044	21.620	ug/l	95
45) 1,2-Dichloropropane	6.24	63	66785	20.541	ug/l	97
46) Dibromomethane	6.09	93	41283	20.622	ug/l	90
47) Bromodichloromethane	6.39	83	91896	20.962	ug/l	96
48) Methyl methacrylate	6.72	41	32687	19.211	ug/l #	91
49) 1,4-Dioxane	6.72	88	6226	389.257	ug/l	88
51) 4-Methyl-2-Pentanone	8.26	43	194216	96.136	ug/l	99
52) Toluene	7.63	92	167740	20.562	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	75913	20.806	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	107520	22.124	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	50216	20.951	ug/l	98
56) Ethyl methacrylate	8.63	69	55578	20.827	ug/l	99
57) 1,3-Dichloropropane	8.85	76	81805	20.448	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.30	63	46528	101.054	ug/l	95
59) 2-Hexanone	9.50	43	145461	102.718	ug/l	98
60) Dibromochloromethane	8.72	129	67295	20.172	ug/l	99
61) 1,2-Dibromoethane	8.99	107	50650	19.483	ug/l	93
64) Tetrachloroethene	8.15	164	79050	22.309	ug/l	95
65) Chlorobenzene	9.80	112	195823	22.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	75904	22.020	ug/l	96
67) Ethyl Benzene	9.91	91	324946	22.212	ug/l	99
68) m/p-Xylenes	10.14	106	240562	42.967	ug/l	96
69) o-Xylene	10.72	106	135260	22.641	ug/l	99
70) Styrene	10.80	104	186448	22.061	ug/l	97
71) Bromoform	10.78	173	39361	21.028	ug/l	97
73) Isopropylbenzene	11.12	105	386196	21.972	ug/l	100
74) N-amyl acetate	11.38	43	92527	21.932	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	61991	19.686	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	41601	19.432	ug/l	95
77) Bromobenzene	11.50	156	91073	20.974	ug/l	95
78) n-propylbenzene	11.60	91	436361	21.635	ug/l	95
79) 2-Chlorotoluene	11.72	91	241320	21.363	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	307932	21.920	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	20981m	20.442	ug/l	
82) 4-Chlorotoluene	11.90	91	252262	21.516	ug/l	100
83) tert-Butylbenzene	12.13	119	350122	22.502	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	302853	21.700	ug/l	98
85) sec-Butylbenzene	12.31	105	449464	22.338	ug/l	97
86) p-Isopropyltoluene	12.46	119	366882	21.726	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	178918	21.136	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	173650	21.330	ug/l	97
89) n-Butylbenzene	12.85	91	357425	22.415	ug/l	97
90) Hexachloroethane	12.92	117	86233	21.957	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	167284	20.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	10135	20.300	ug/l	86

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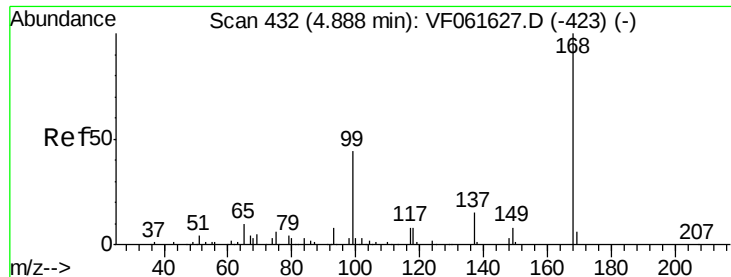
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	123976	21.481	ug/l	98
94) Hexachlorobutadiene	14.19	225	79623	22.339	ug/l	96
95) Naphthalene	14.46	128	206434	20.444	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	113901	21.502	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion:168 Resp: 337490

Ion Ratio Lower Upper

168 100

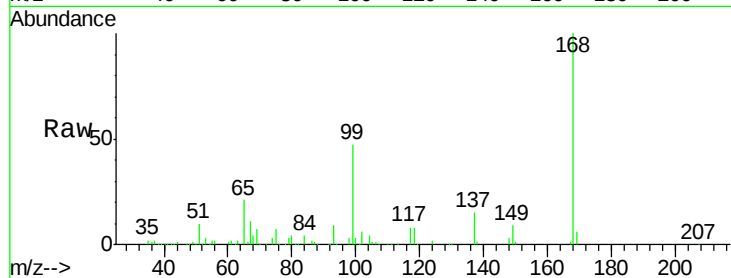
99 46.5 34.9 52.3

Manual Integrations

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2/22/2019 12:27:56 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

120000

100000

80000

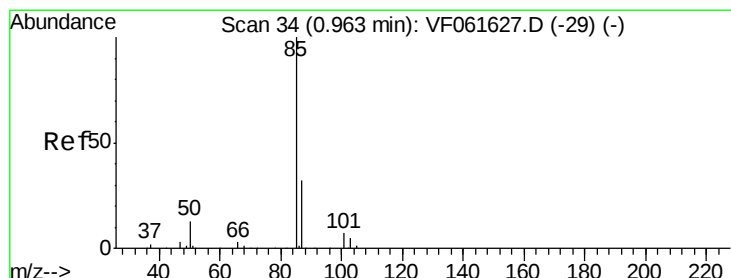
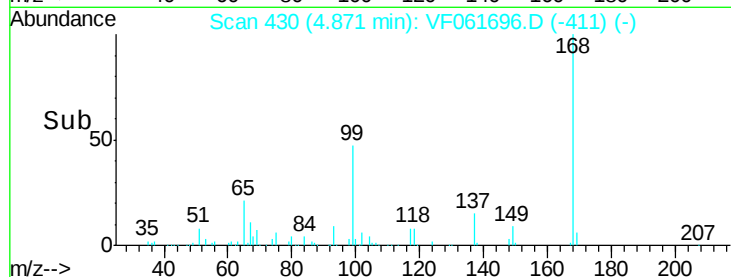
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 25.138 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061696.D

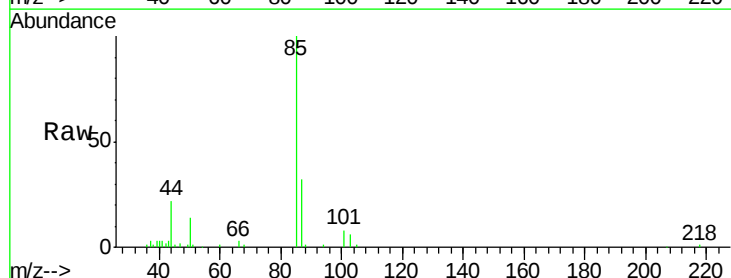
Acq: 21 Feb 2019 14:15

Tgt Ion: 85 Resp: 97428

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

25000

20000

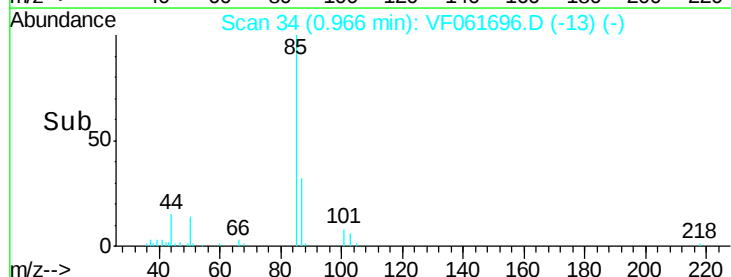
15000

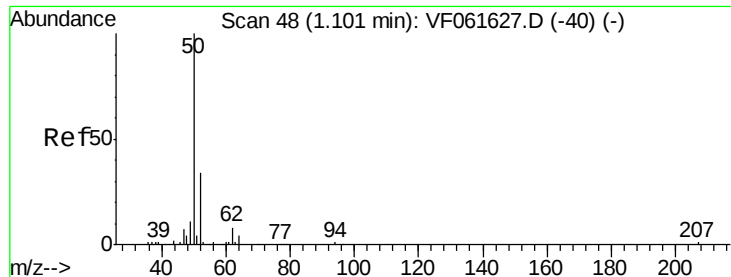
10000

5000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.006 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 50 Resp: 89488

Ion Ratio Lower Upper

50 100

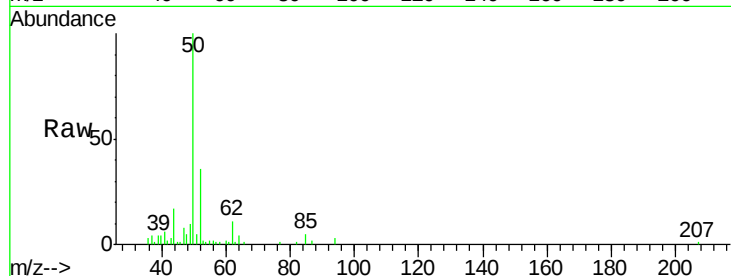
52 35.9 26.2 39.4

Manual Integrations

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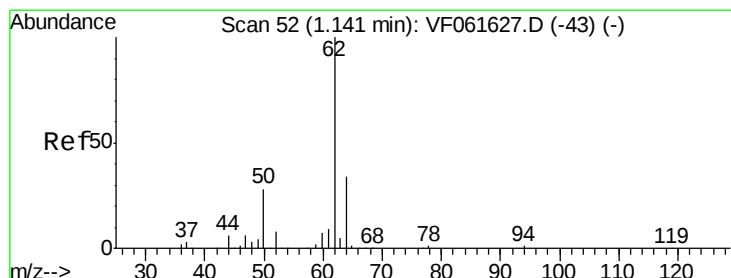
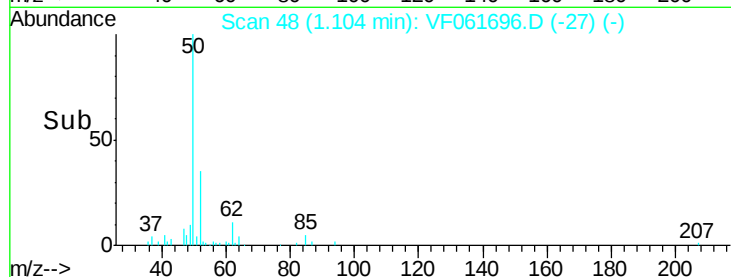
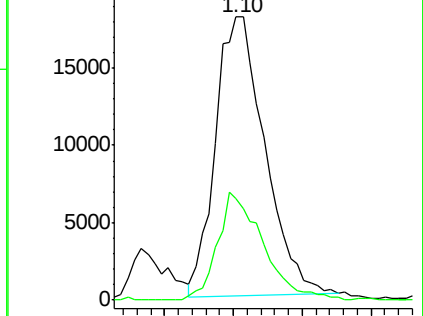
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.202 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061696.D

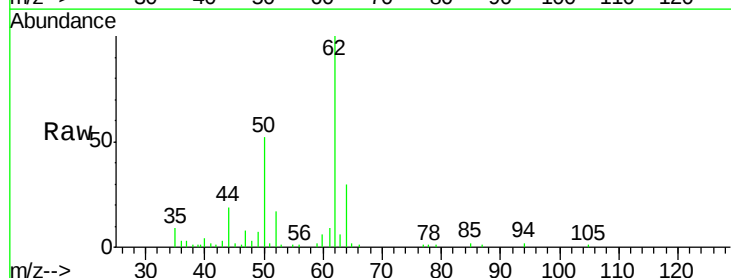
Acq: 21 Feb 2019 14:15

Tgt Ion: 62 Resp: 87711

Ion Ratio Lower Upper

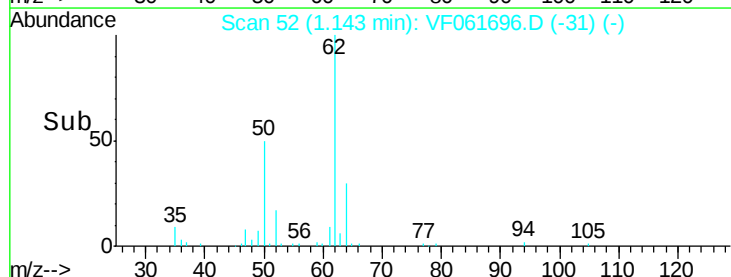
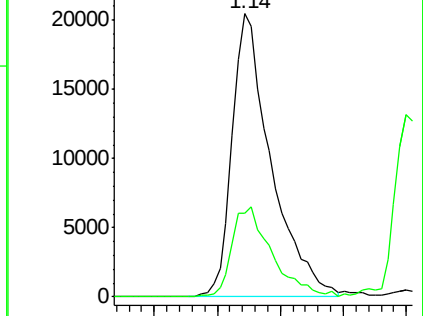
62 100

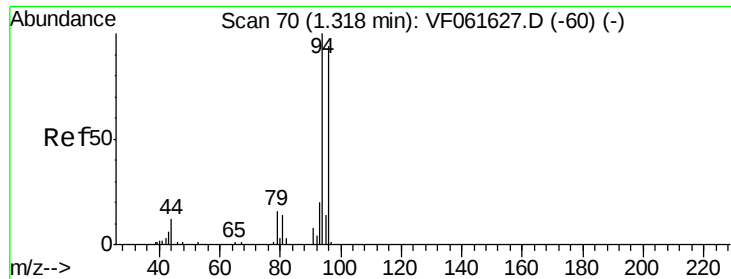
64 29.5 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.735 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 94 Resp: 56550

Ion Ratio Lower Upper

94 100

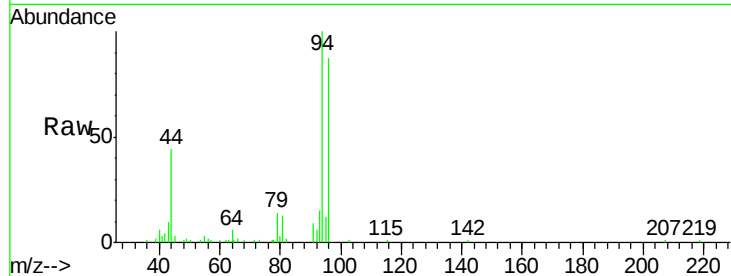
96 86.9 74.6 112.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

12000

10000

8000

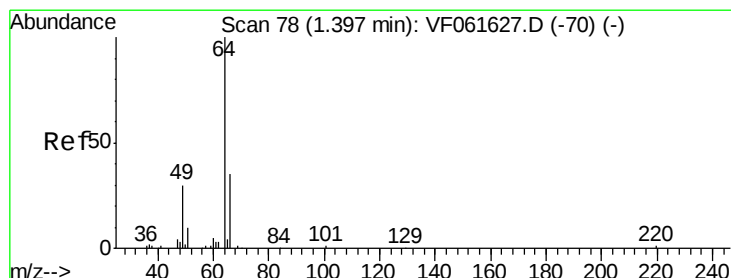
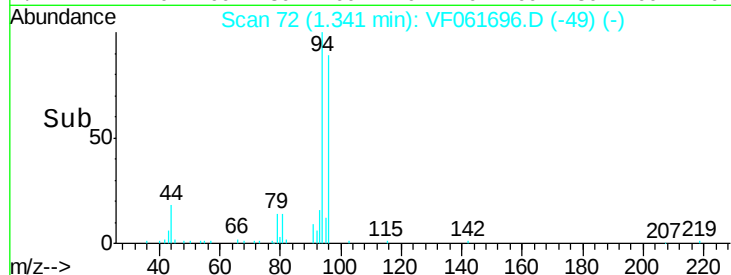
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 22.800 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061696.D

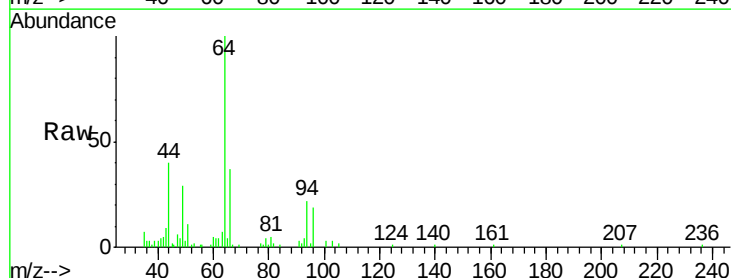
Acq: 21 Feb 2019 14:15

Tgt Ion: 64 Resp: 42475

Ion Ratio Lower Upper

64 100

66 36.6 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

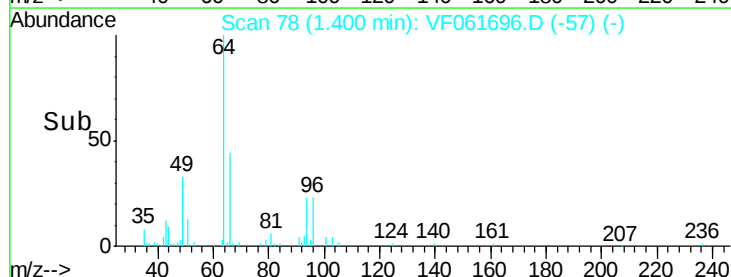
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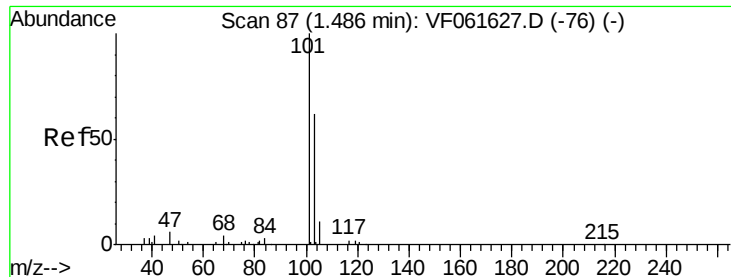
10000

5000

0

Time-->





#7

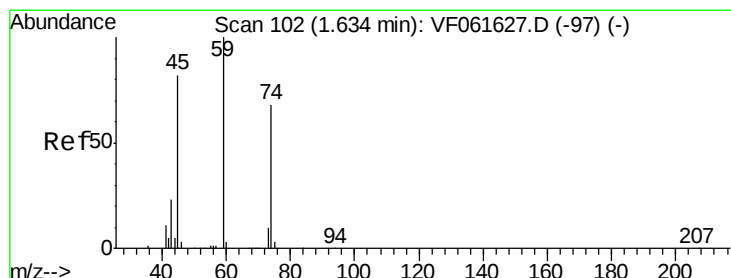
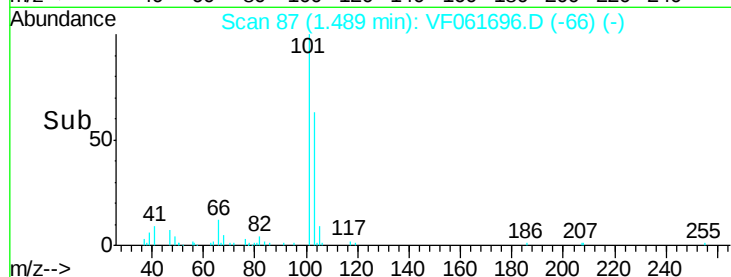
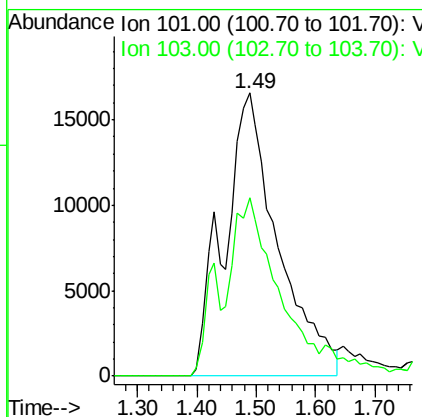
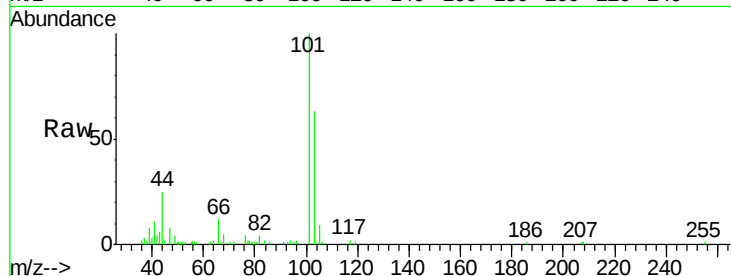
Trichlorofluoromethane
Concen: 22.839 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.3	73.9

Manual Integrations
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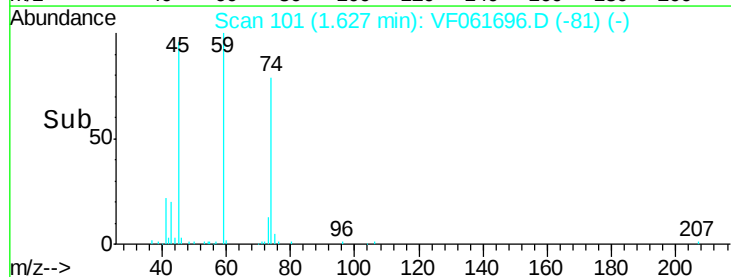
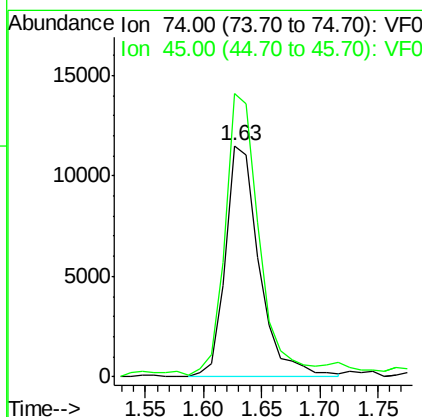
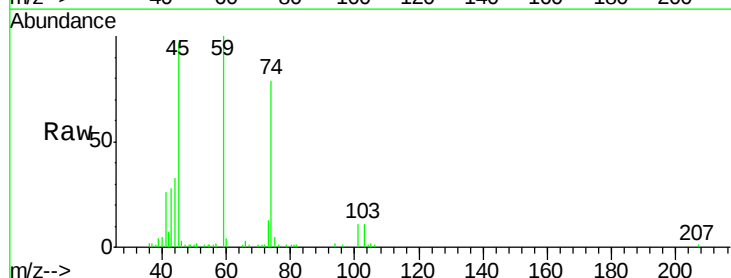
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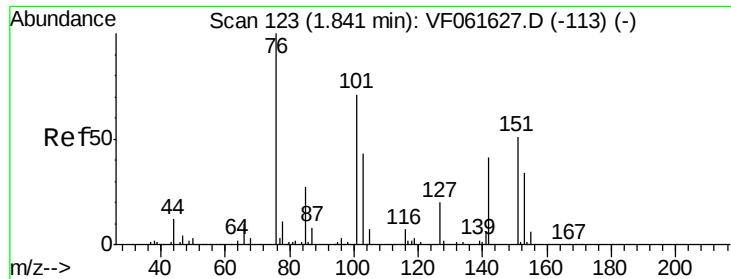


#8

Diethyl Ether
Concen: 20.227 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.4	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.019 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

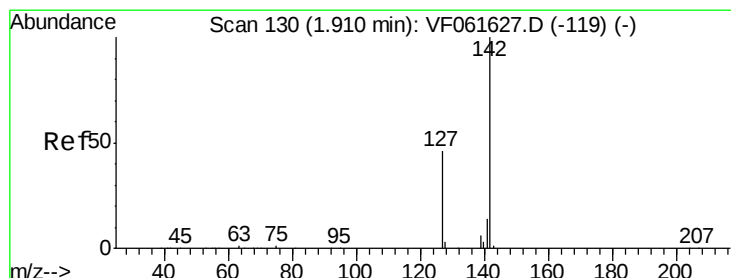
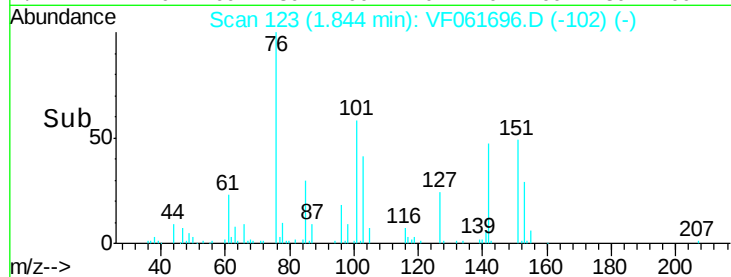
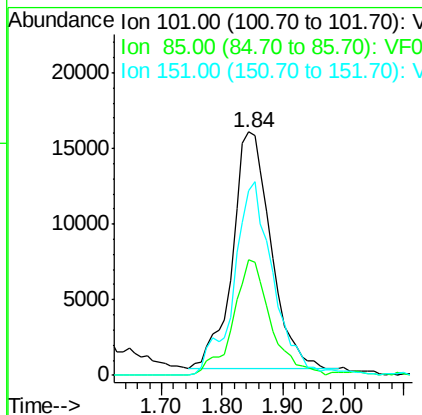
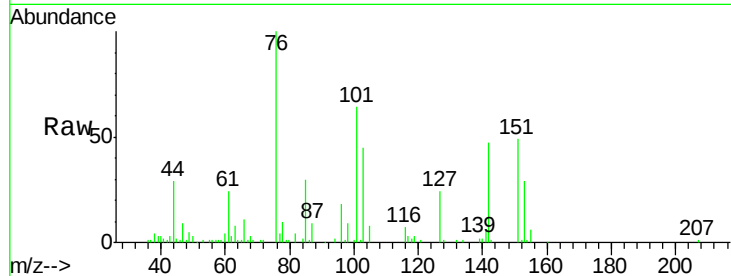
ClientSampleId :

VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	69136		
85	47.2	29.8	44.6#	
151	76.1	56.3	84.5	

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#10

Methyl Iodide

Concen: 21.946 ug/l m

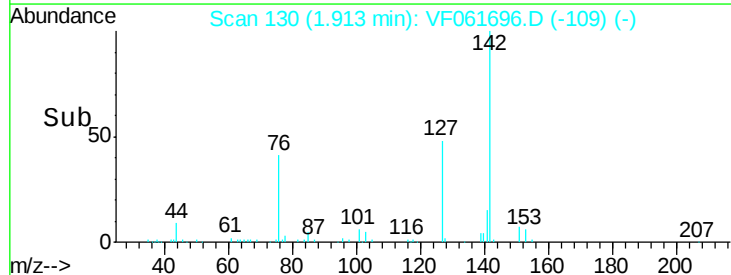
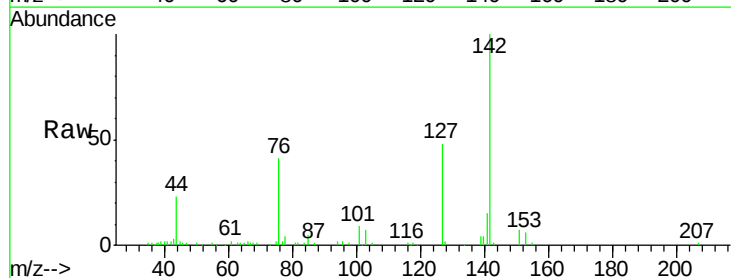
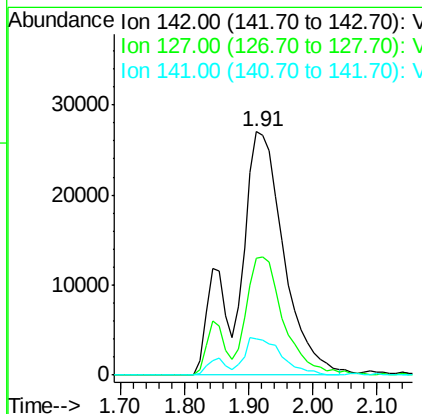
RT: 1.91 min Scan# 130

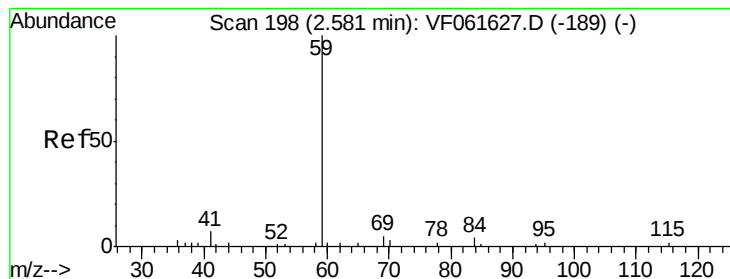
Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	137889		
127	48.0	36.6	55.0	
141	15.1	11.0	16.6	





#11

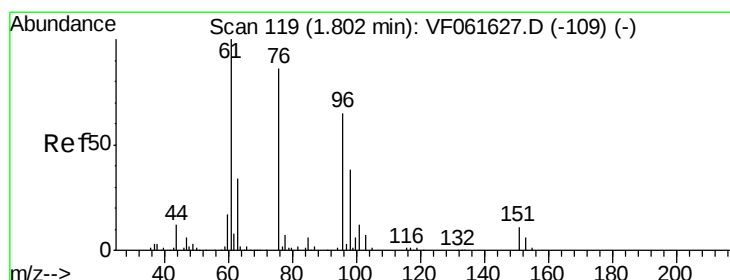
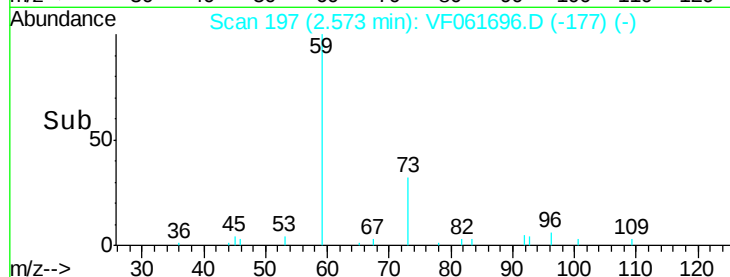
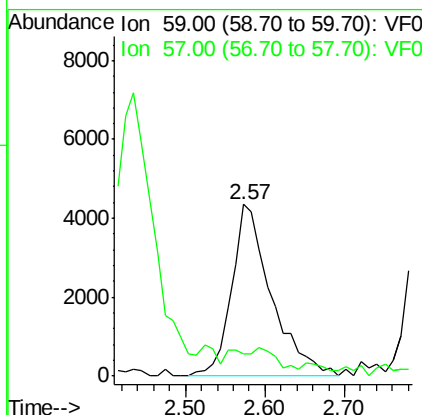
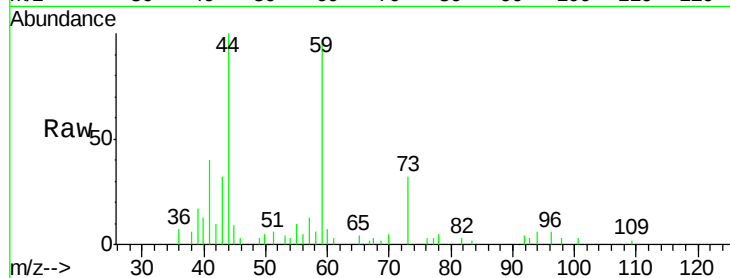
Tert butyl alcohol
Concen: 105.767 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	59	Resp	15149
Ion Ratio	100	Lower	Upper
57	13.0	12.5	18.7

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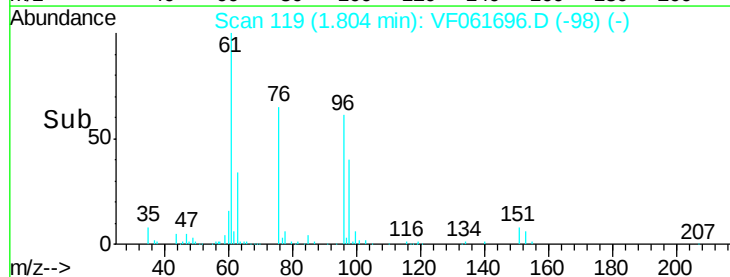
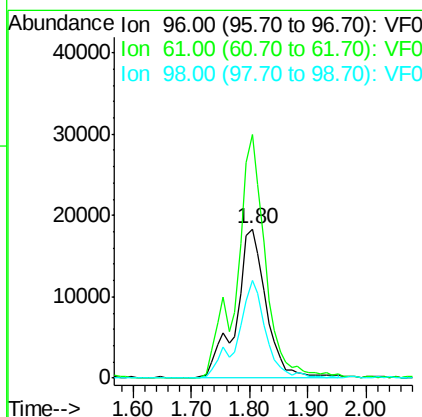
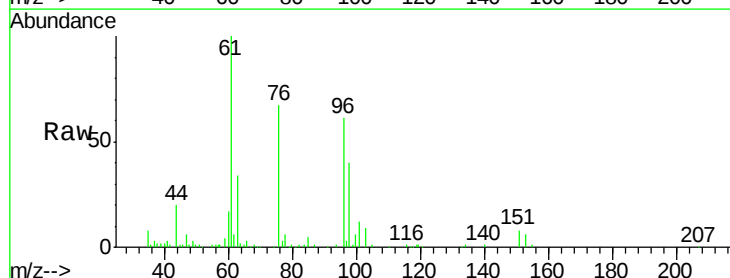
MMDadoda
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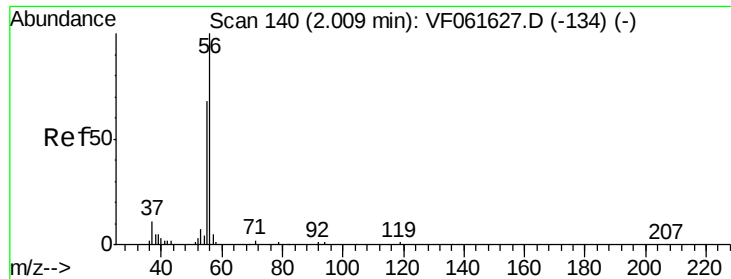


#12

1,1-Dichloroethene
Concen: 23.119 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	96	Resp	66860
Ion Ratio	100	Lower	Upper
61	163.0	122.6	184.0
98	65.5	47.2	70.8





#13

Acrolein

Concen: 103.892 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 56 Resp: 18702

Ion Ratio Lower Upper

56 100

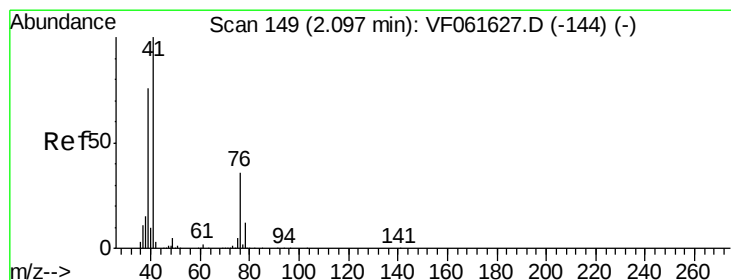
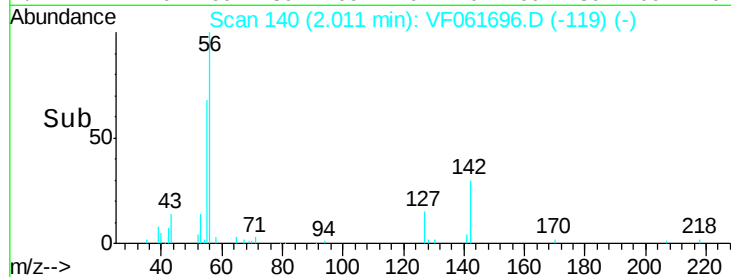
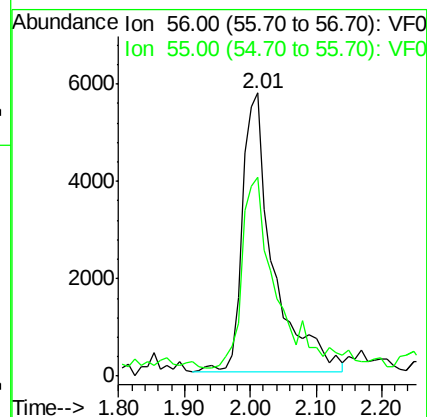
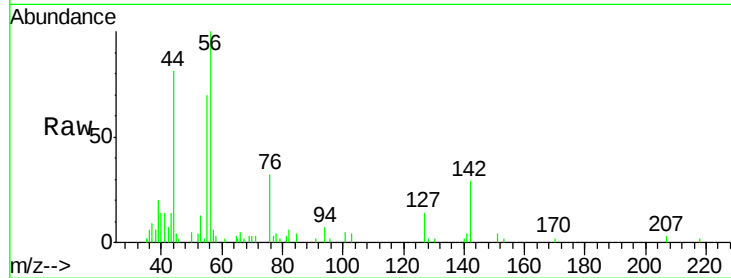
55 70.2 55.0 82.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.641 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

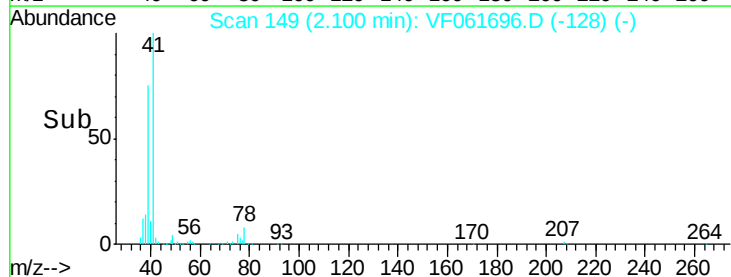
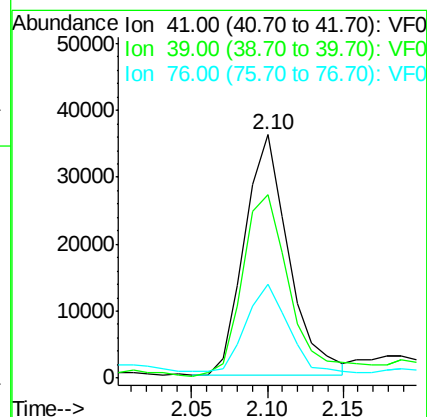
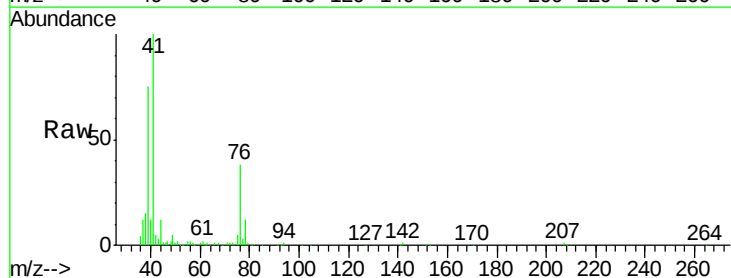
Tgt Ion: 41 Resp: 73250

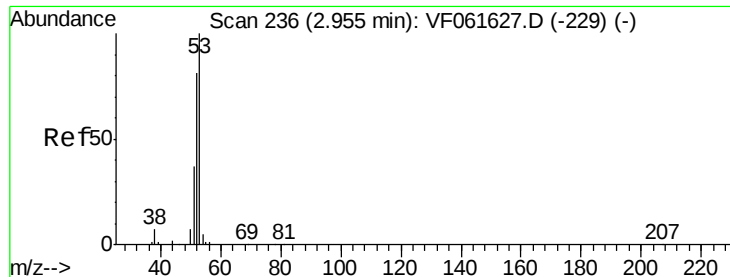
Ion Ratio Lower Upper

41 100

39 75.4 61.6 92.4

76 38.4 30.3 45.5





#15

Acrylonitrile

Concen: 94.229 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

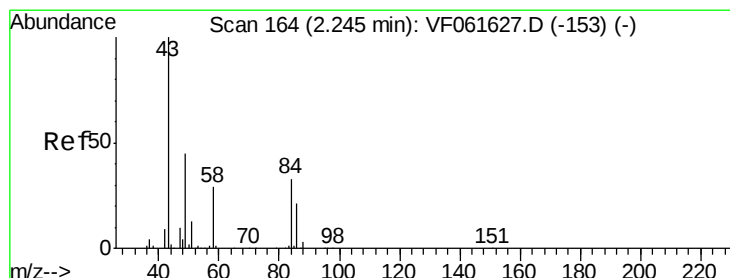
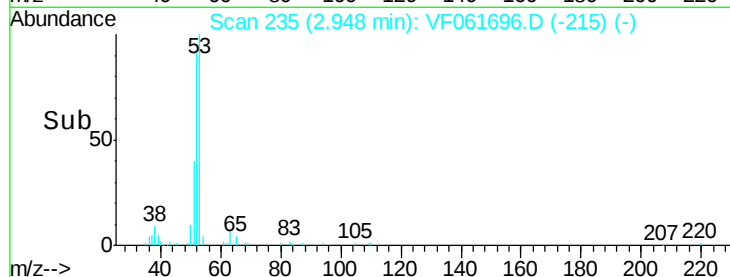
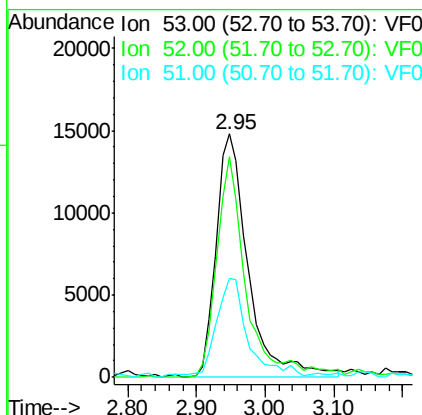
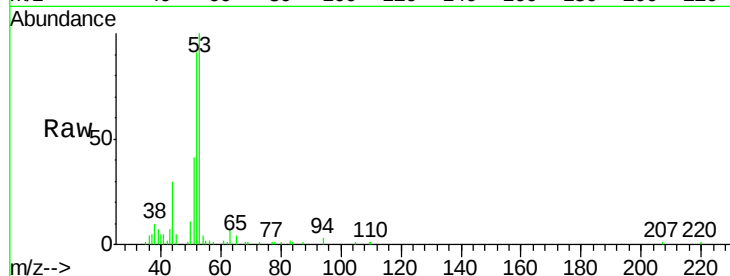
ClientSampleId :

VF0221SBS01

Tot Ion:	53	Resp:	47872
Ion Ratio	Lower	Upper	
53	100		
52	90.5	64.6	97.0
51	40.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 104.773 ug/l

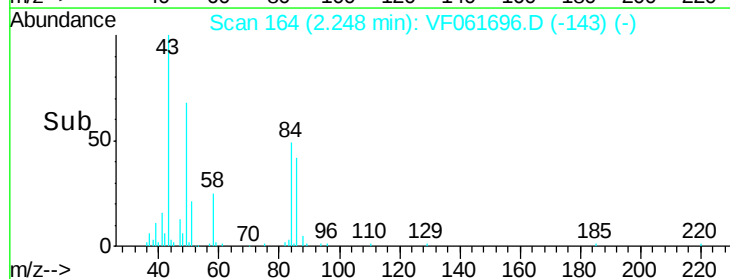
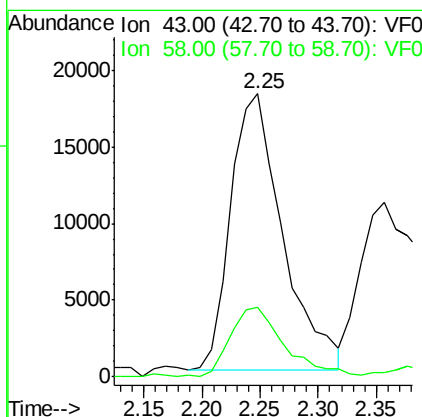
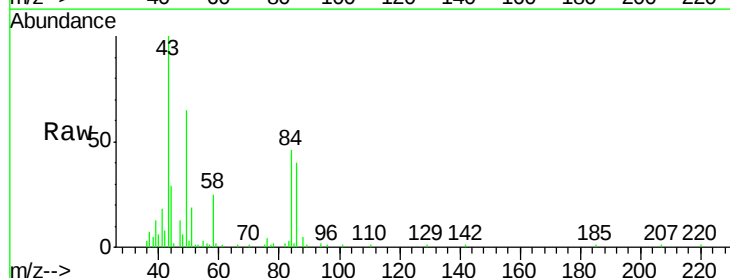
RT: 2.25 min Scan# 164

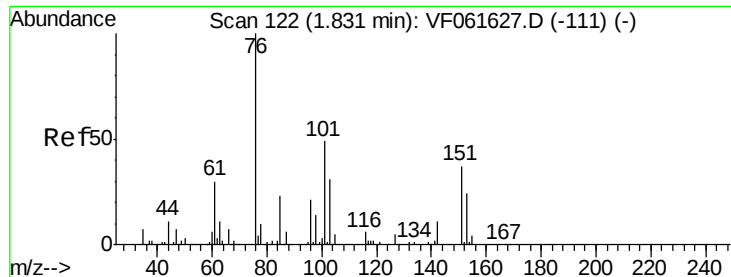
Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	43	Resp:	55634
Ion Ratio	Lower	Upper	
43	100		
58	24.8	22.9	34.3





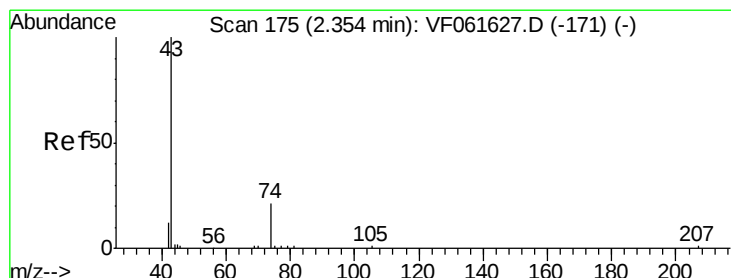
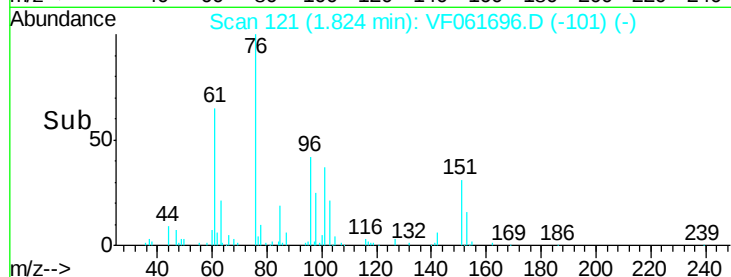
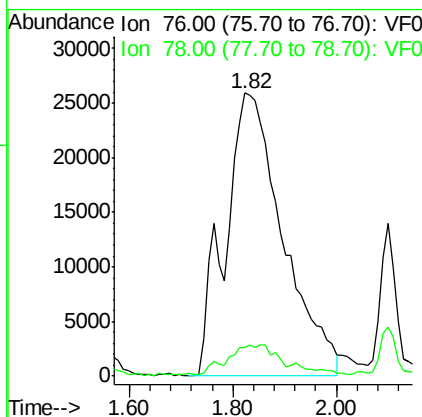
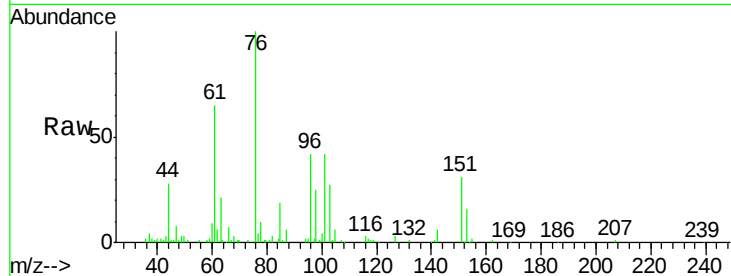
#17
Carbon Disulfide
Concen: 22.051 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion: 76 Resp: 200450
Ion Ratio Lower Upper
76 100
78 10.3 7.9 11.9

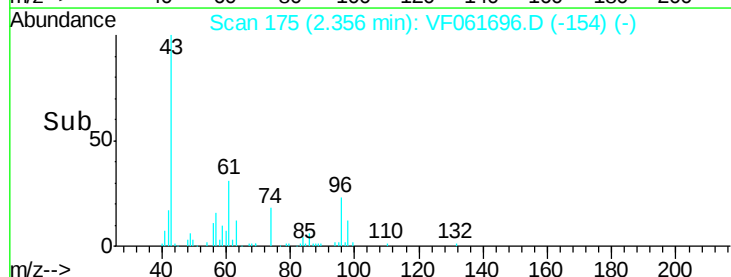
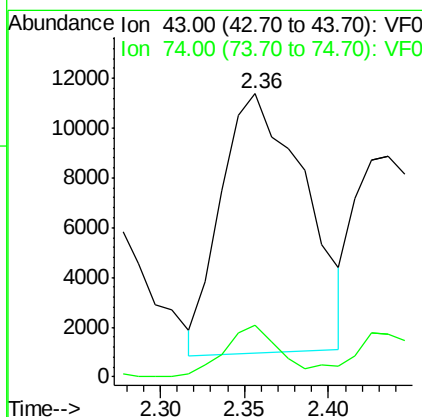
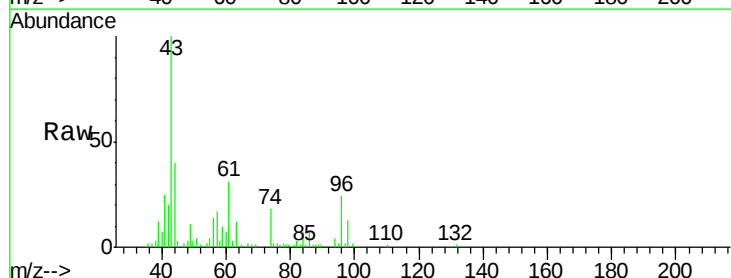
Manual Integrations
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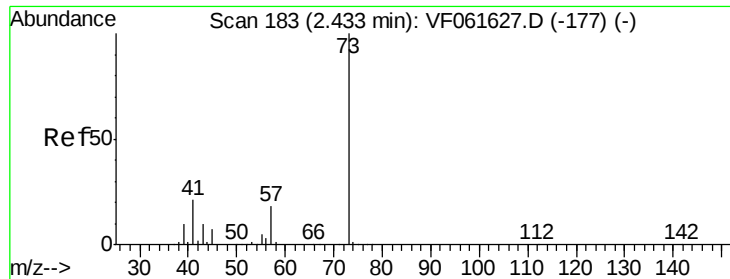
MMDadoda
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#18
Methyl Acetate
Concen: 30.303 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 43 Resp: 36249
Ion Ratio Lower Upper
43 100
74 18.2 14.6 21.8





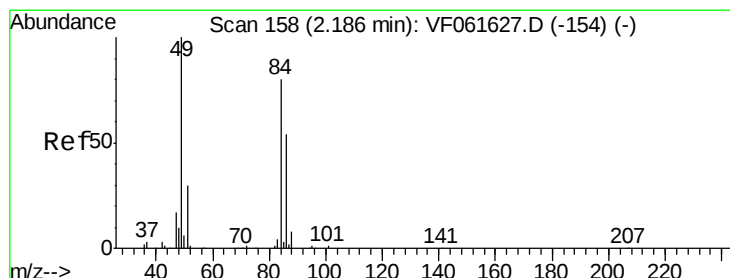
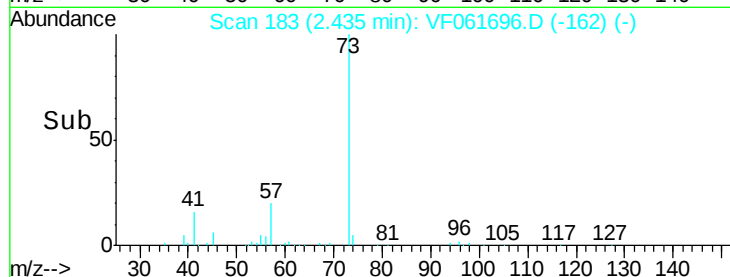
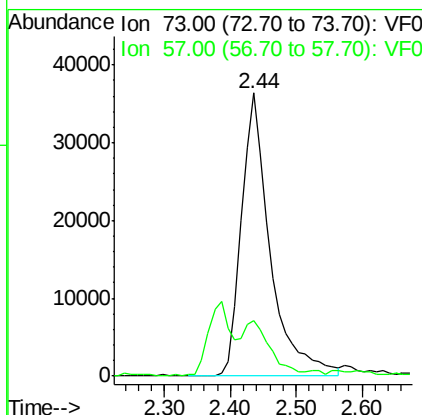
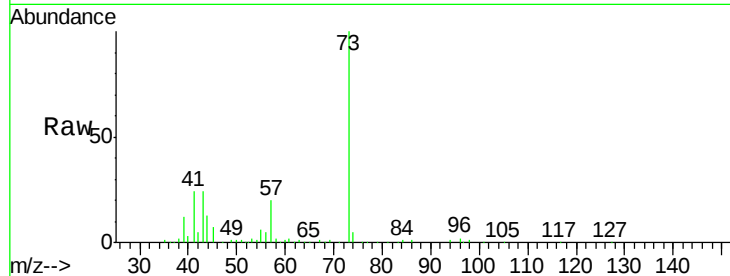
#19
Methyl tert-butyl Ether
Concen: 22.677 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	15.8	23.8

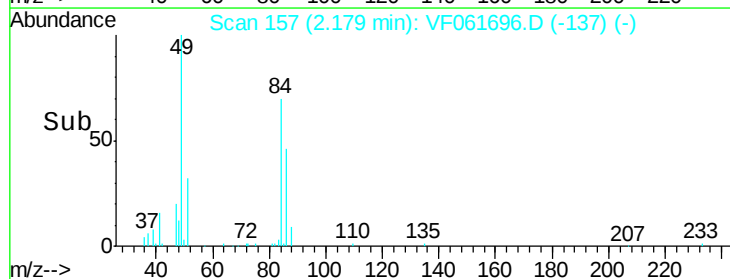
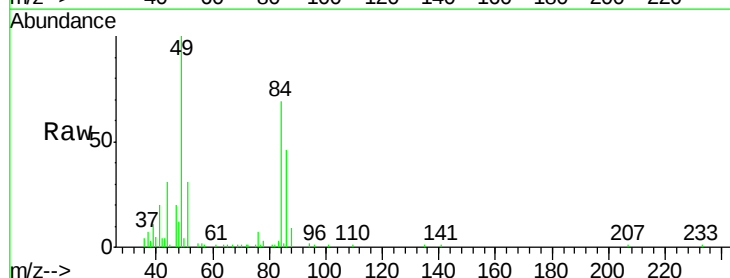
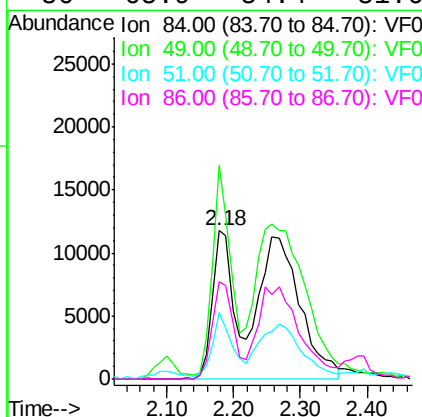
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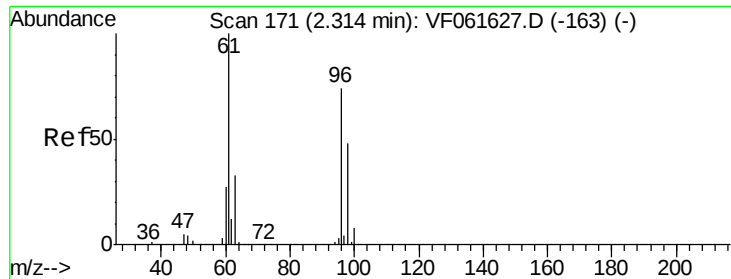
MMDadoda
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#20
Methylene Chloride
Concen: 24.429 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.1	101.8	152.8
51	45.2	31.1	46.7
86	65.9	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 18.848 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

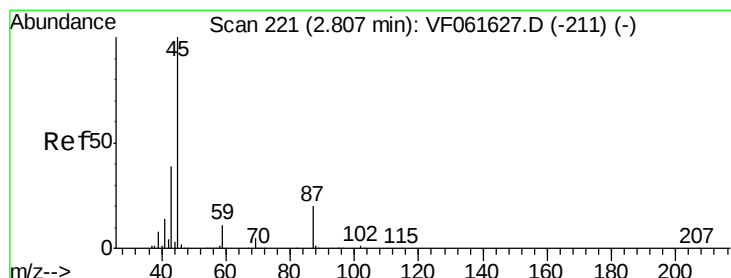
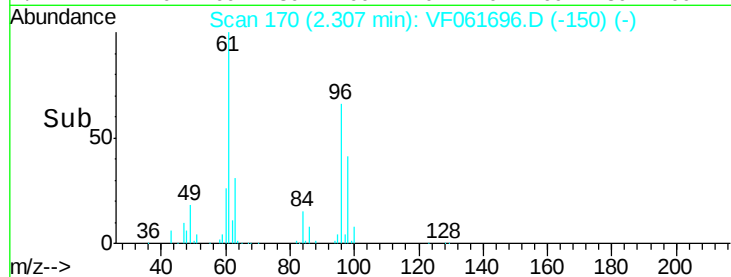
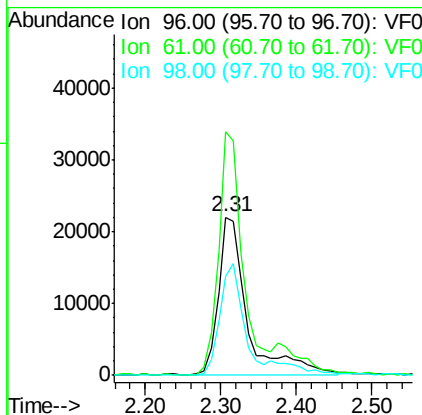
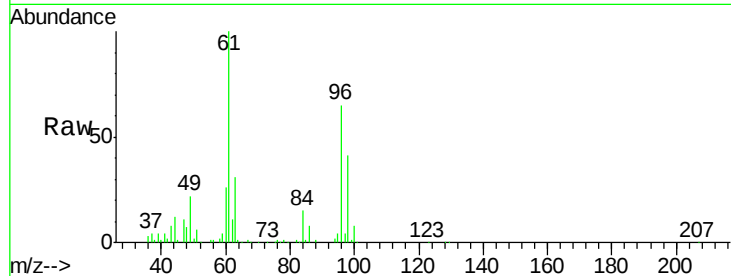
ClientSampleId :

VF0221SBS01

Tot Ion:	96	Resp:	59254
Ion	Ratio	Lower	Upper
96	100		
61	154.2	108.2	162.4
98	62.6	52.2	78.2

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#22

Diisopropyl ether

Concen: 22.574 ug/l

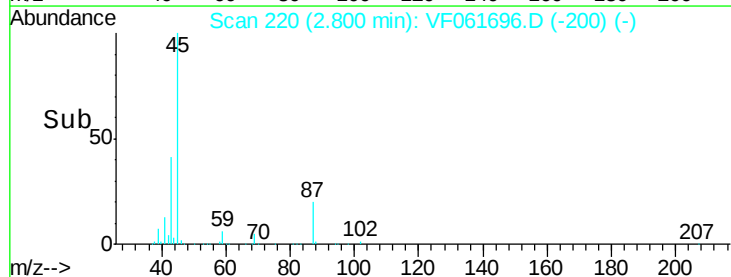
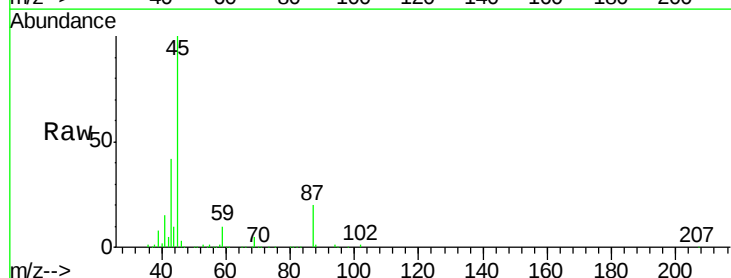
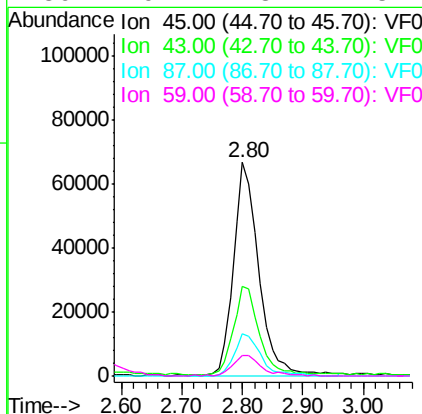
RT: 2.80 min Scan# 220

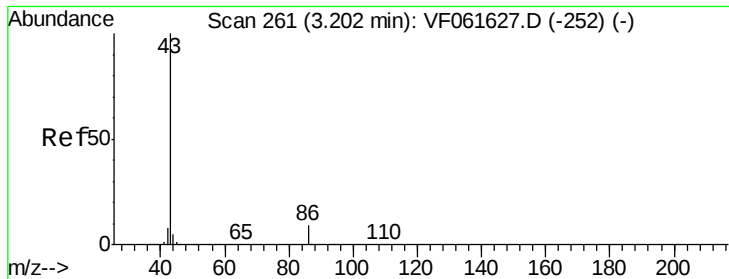
Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	45	Resp:	192300
Ion	Ratio	Lower	Upper
45	100		
43	42.2	31.4	47.2
87	19.8	16.3	24.5
59	9.7	8.7	13.1





#23

Vinyl Acetate

Concen: 109.812 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 43 Resp: 456894

Ion Ratio Lower Upper

43 100

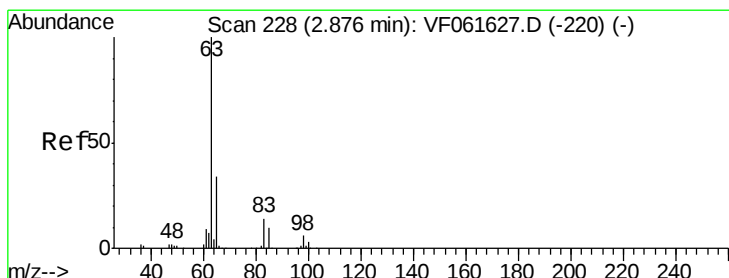
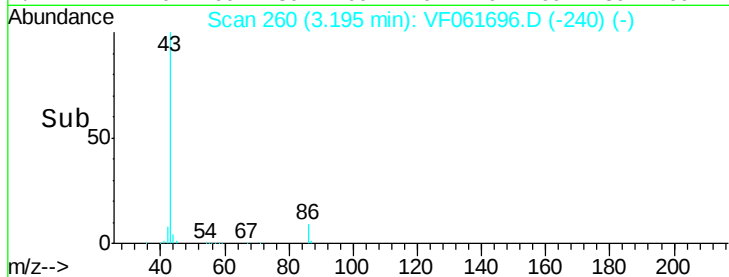
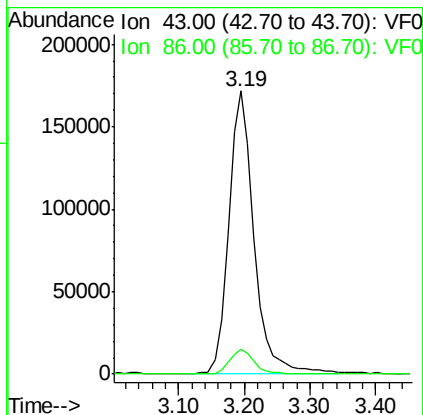
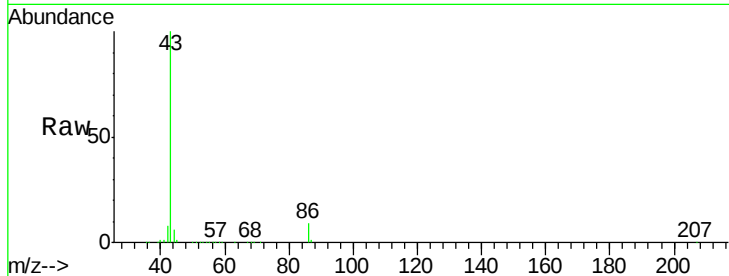
86 8.9 7.5 11.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.337 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

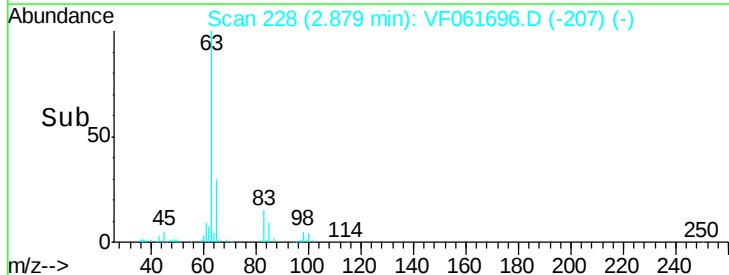
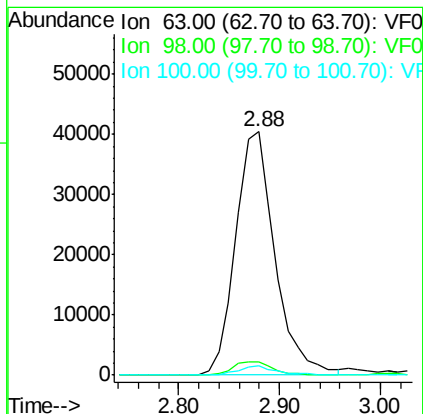
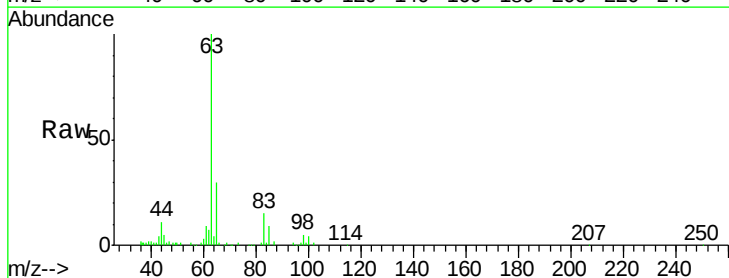
Tgt Ion: 63 Resp: 109993

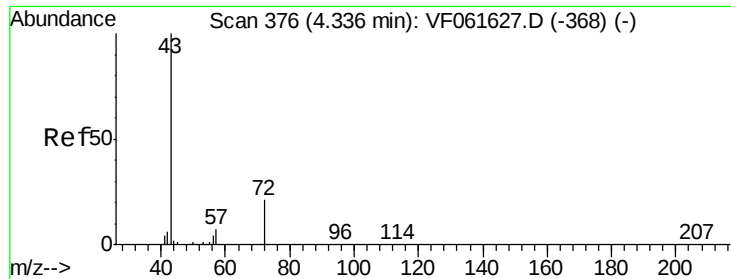
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 111.436 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 43 Resp: 129250

Ion Ratio Lower Upper

43 100

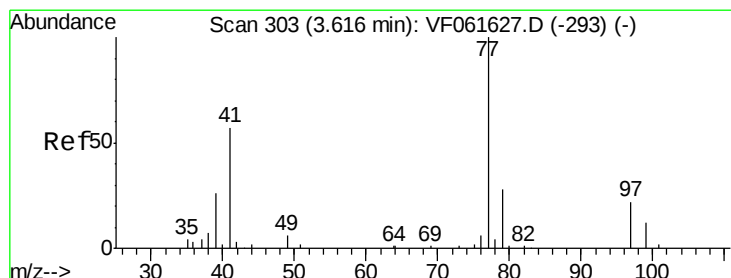
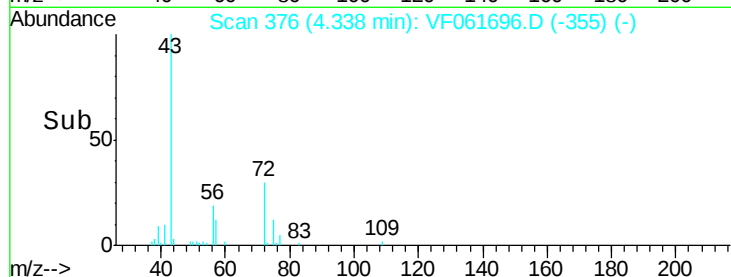
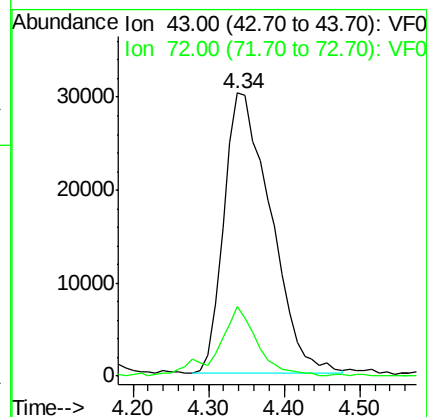
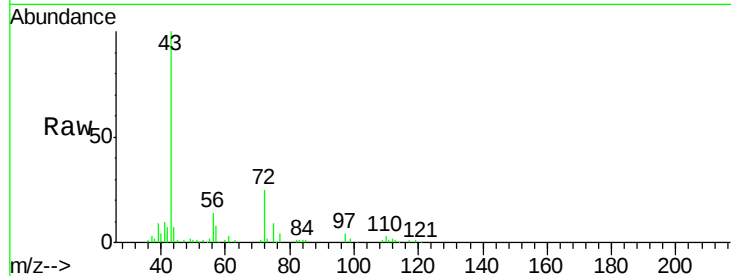
72 24.6 17.1 25.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.294 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061696.D

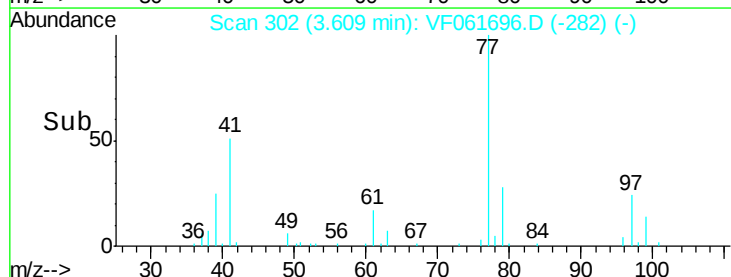
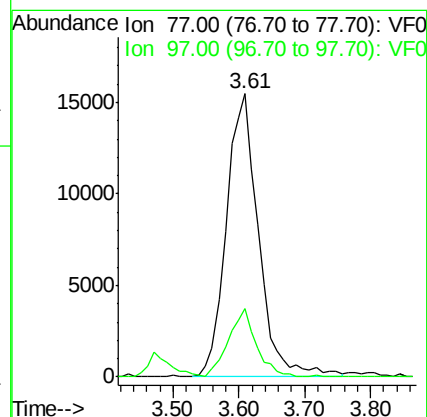
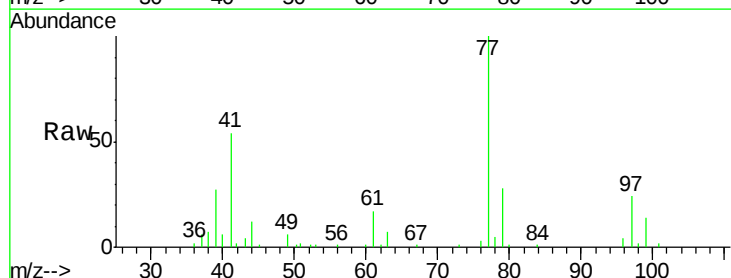
Acq: 21 Feb 2019 14:15

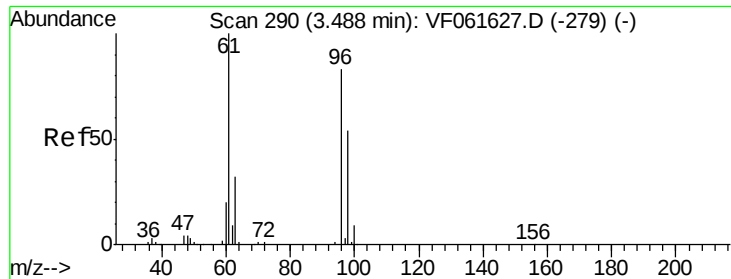
Tgt Ion: 77 Resp: 53049

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

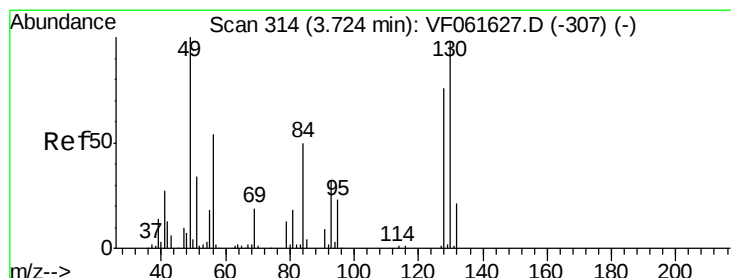
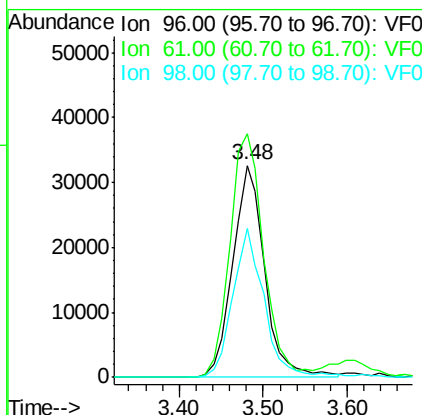
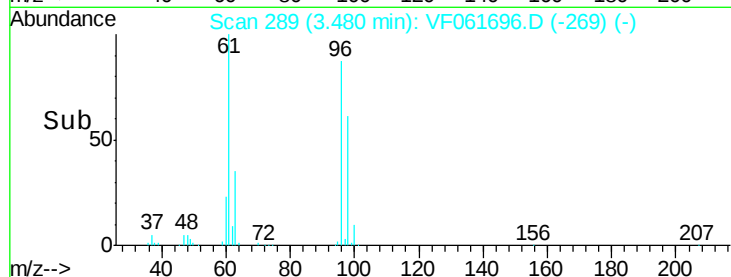
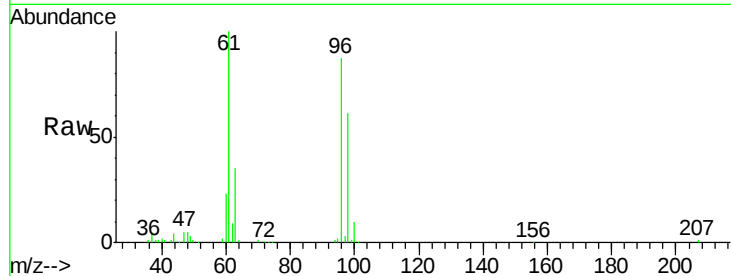
cis-1,2-Dichloroethene
Concen: 20.972 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.8	0.0	241.6
98	70.1	0.0	130.2

Manual Integrations
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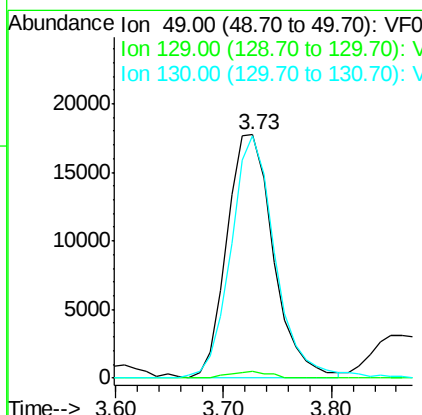
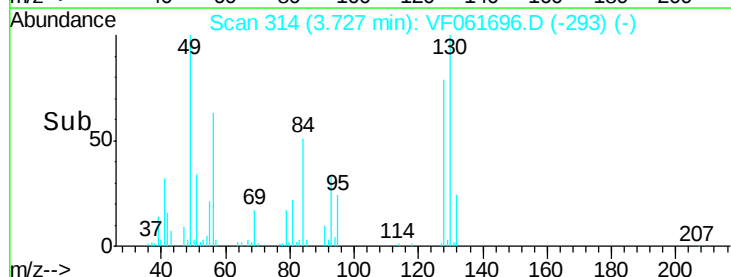
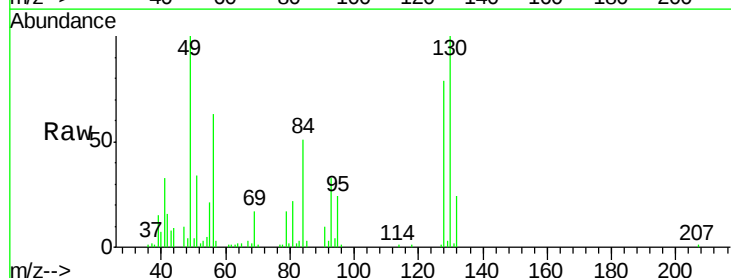
MMDadoda
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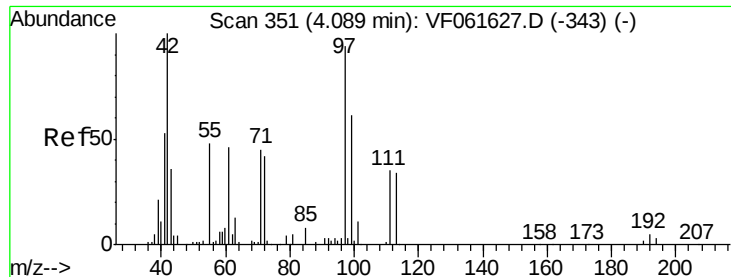


#28

Bromochloromethane
Concen: 21.503 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.4
130	99.6	77.7	116.5





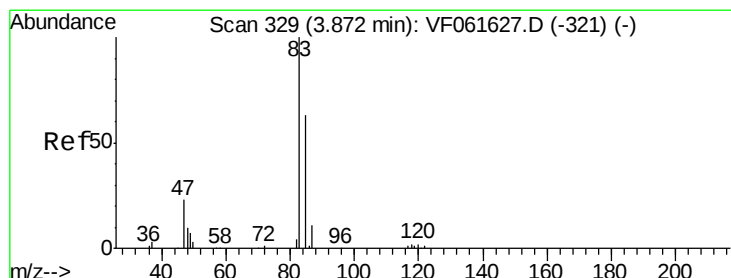
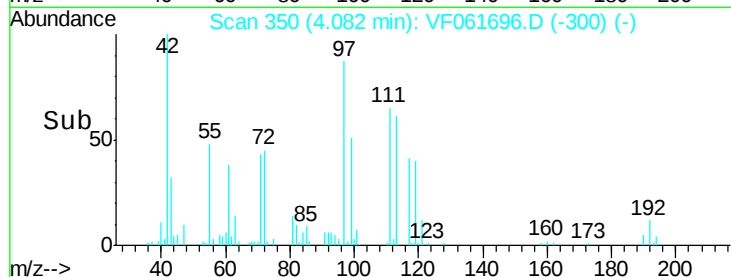
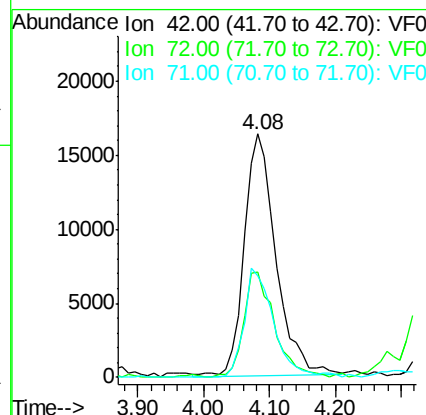
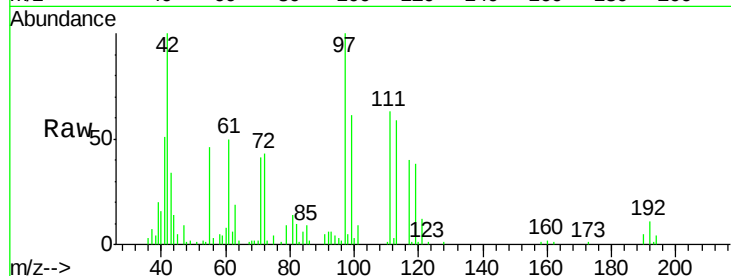
#29
Tetrahydrofuran
Concen: 105.236 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	35.2	52.8
71	42.1	32.9	49.3

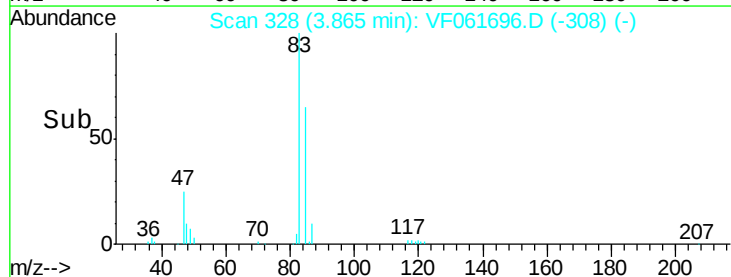
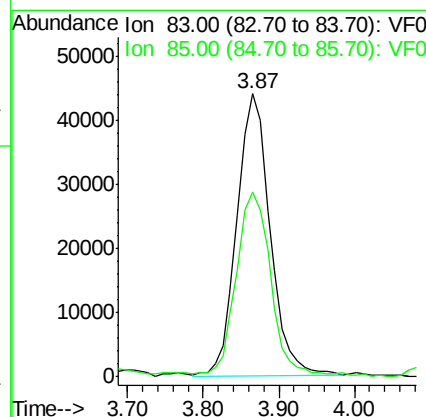
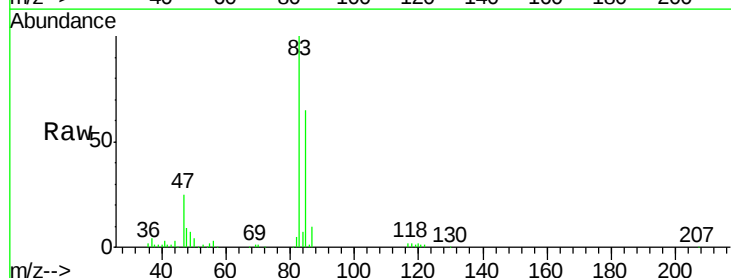
Manual Integrations
APPROVED

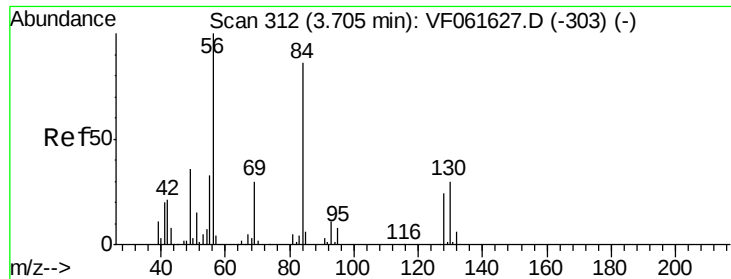
MMDadoda
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#30
Chloroform
Concen: 22.903 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7





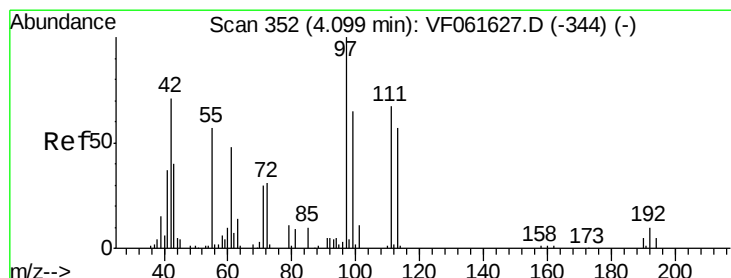
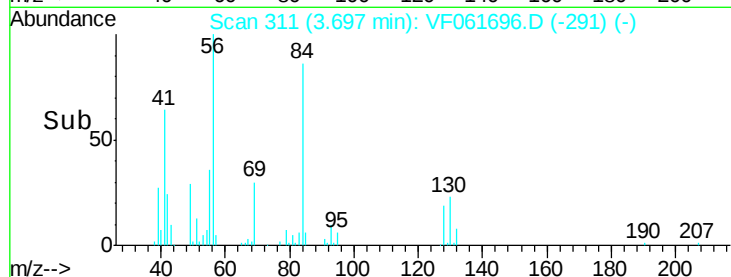
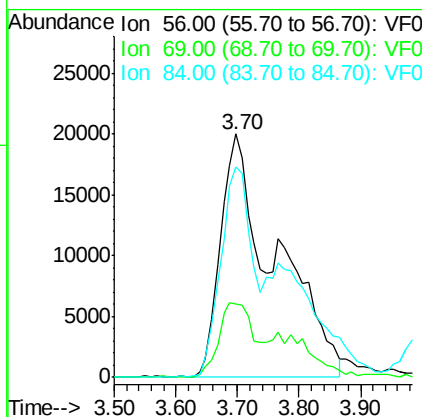
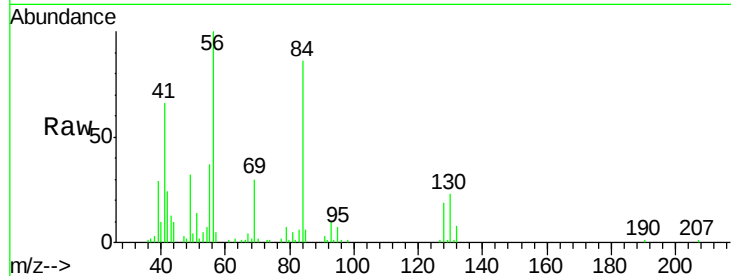
#31
Cvclohexane
Concen: 22.188 ug/l m
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.8	35.8
84	86.4	68.6	103.0

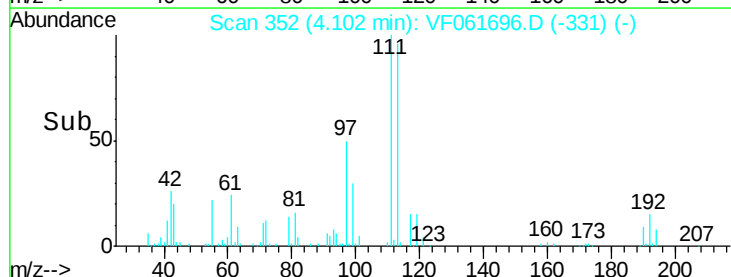
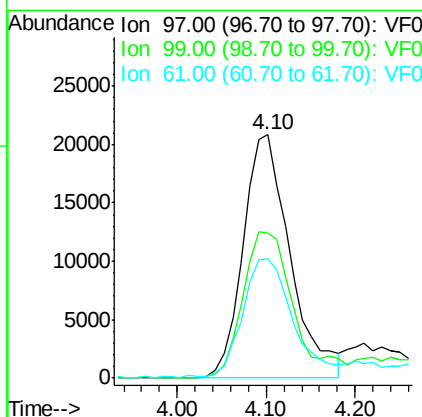
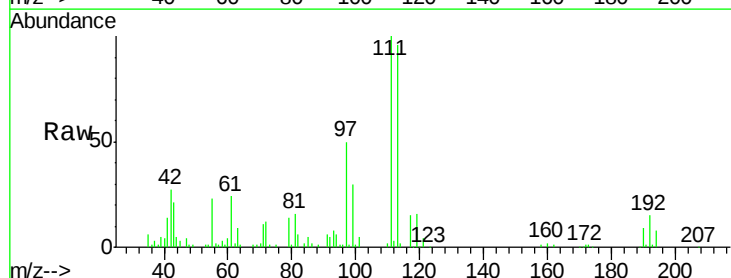
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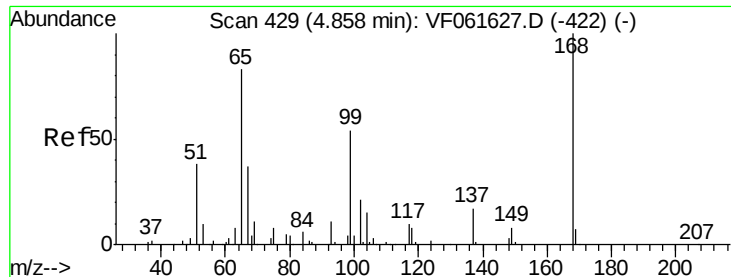
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#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	52.2	78.2
61	49.2	39.2	58.8





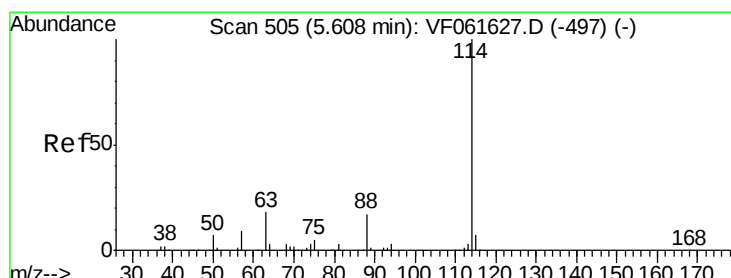
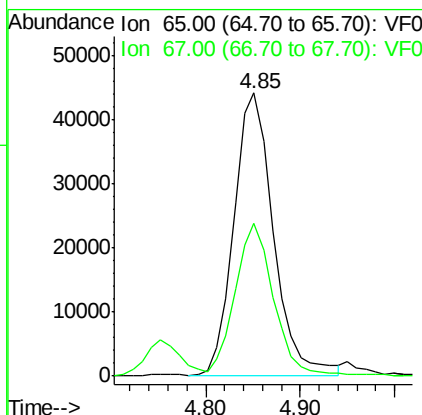
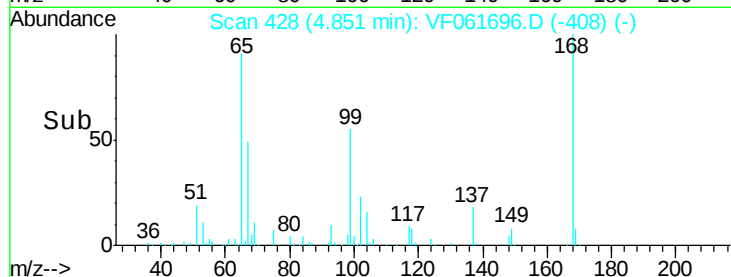
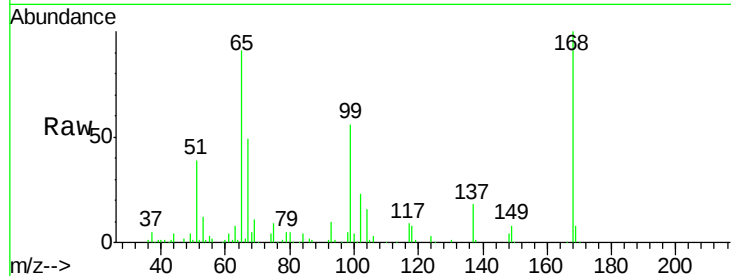
#33
 1,2-Dichloroethane-d4
 Concen: 51.265 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Tot Ion: 65 Resp: 126873
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.0

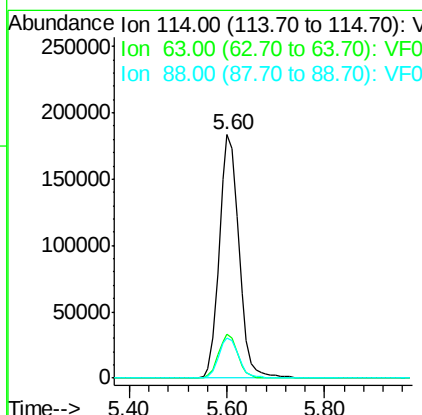
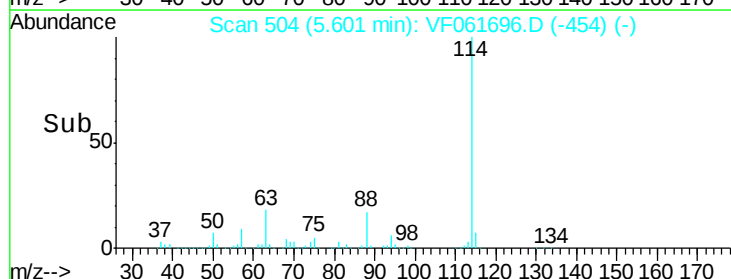
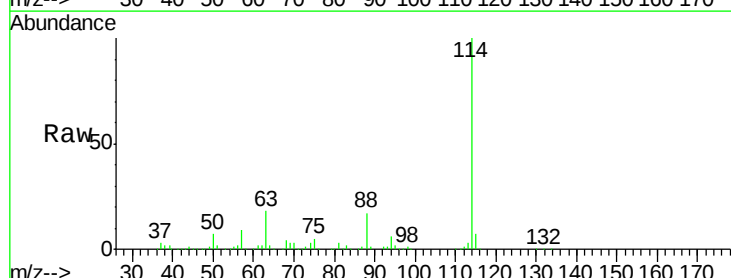
Manual Integrations
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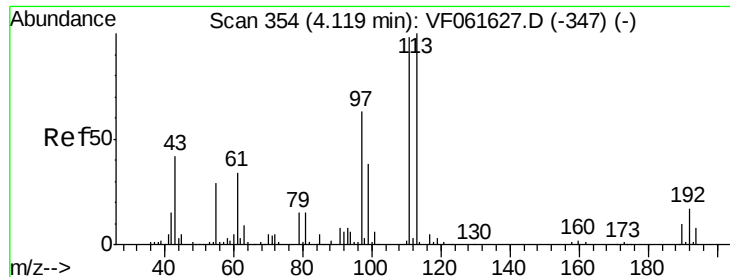
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion: 114 Resp: 519122
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.6
 88 16.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 48.661 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

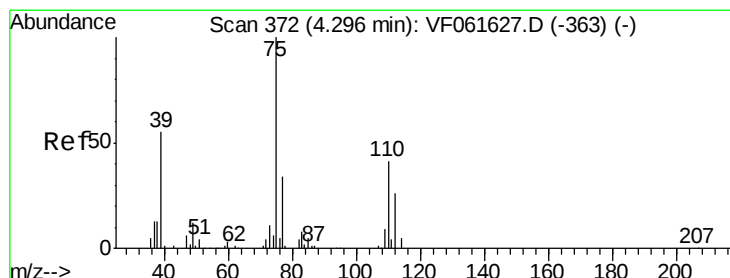
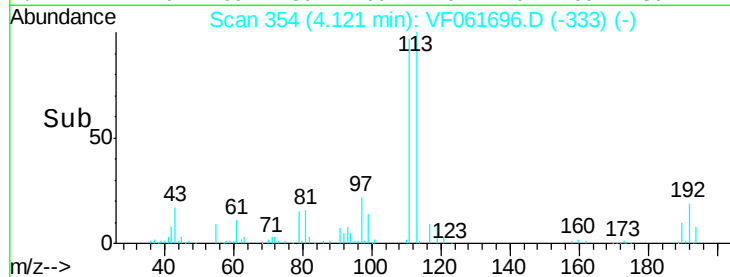
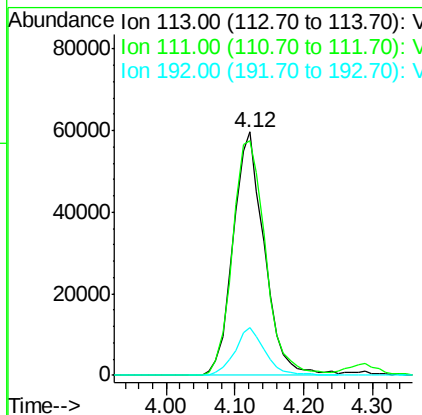
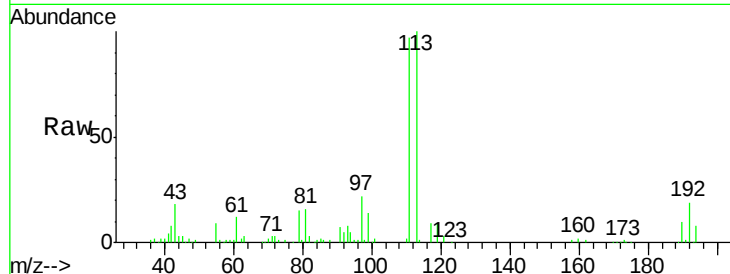
ClientSampleId :

VF0221SBS01

Tot Ion:	113	Resp:	187589
Ion Ratio	Lower	Upper	
113	100		
111	96.5	78.8	118.2
192	19.4	13.4	20.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.051 ug/l

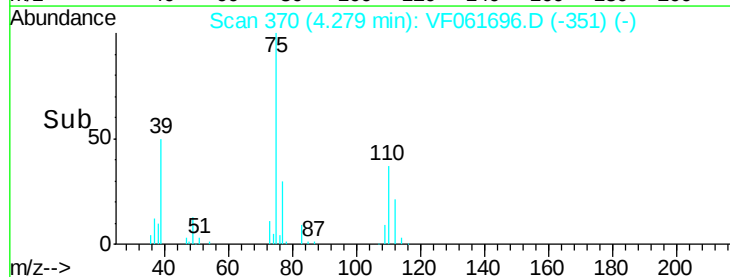
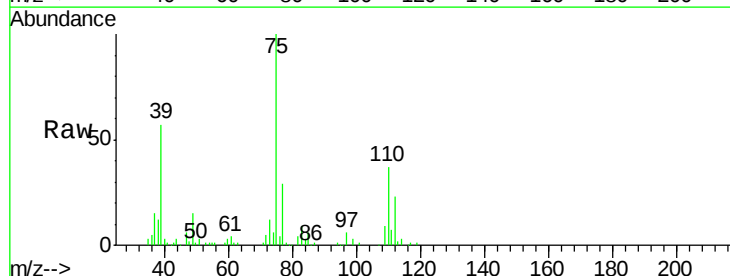
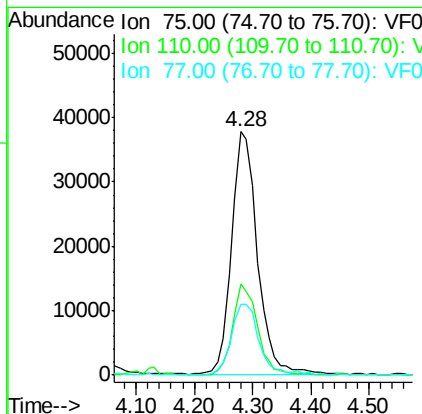
RT: 4.28 min Scan# 370

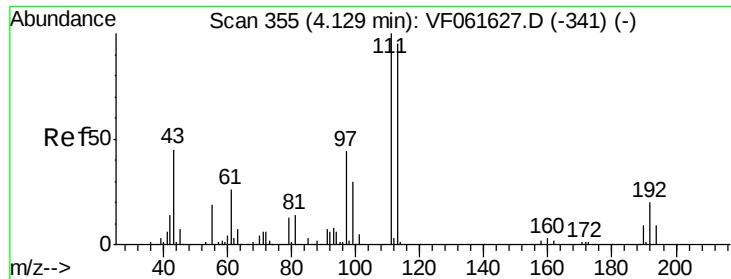
Delta R.T. -0.02 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	75	Resp:	118543
Ion Ratio	Lower	Upper	
75	100		
110	37.5	20.5	61.6
77	29.3	27.0	40.4





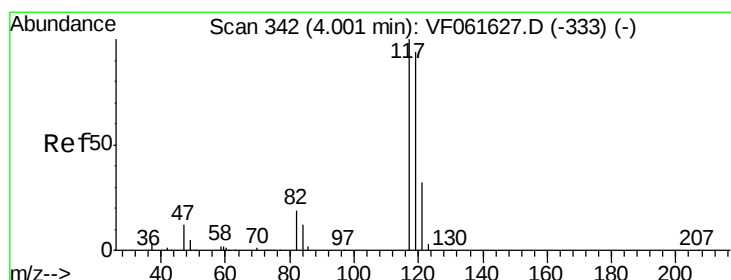
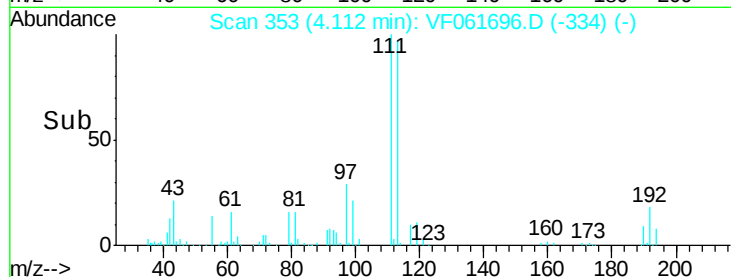
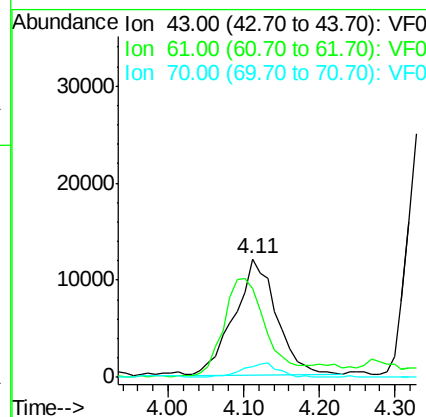
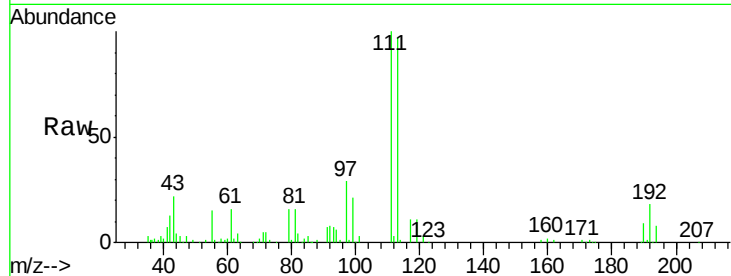
#37
Ethyl Acetate
Concen: 19.360 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	75.5	45.7	68.5	
70	9.5	8.5	12.7	

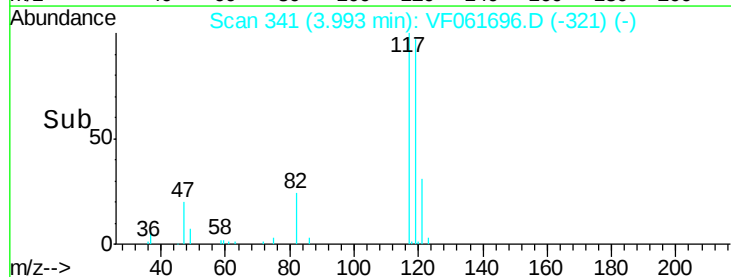
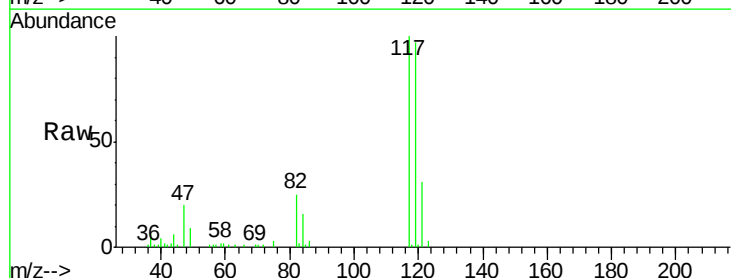
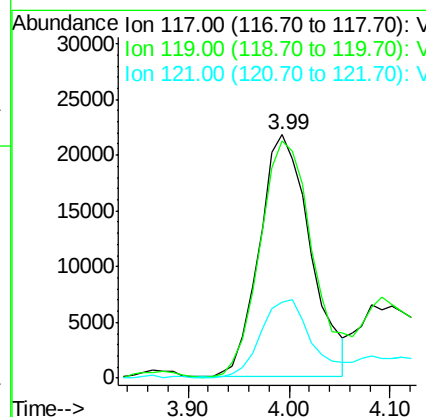
Manual Integrations
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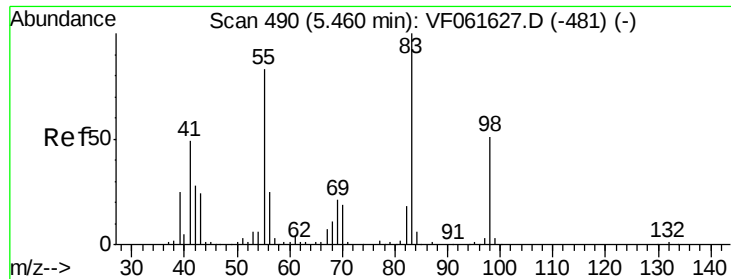
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#38
Carbon Tetrachloride
Concen: 21.647 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.4	75.6	113.4	
121	31.4	25.2	37.8	





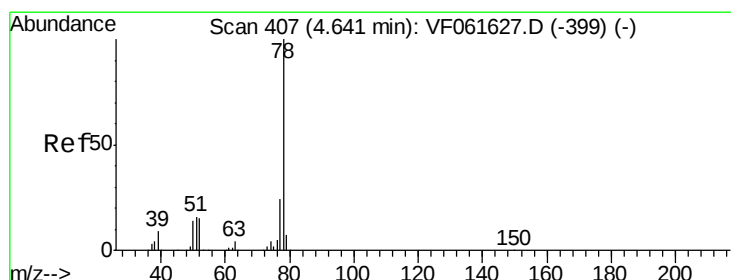
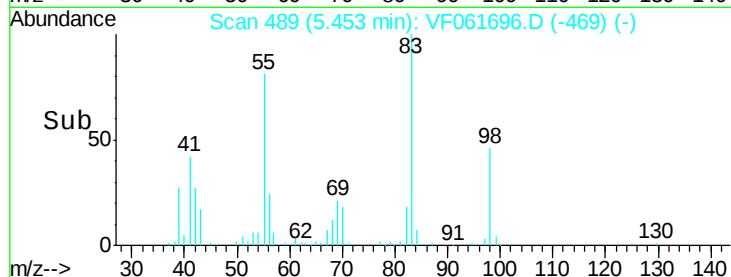
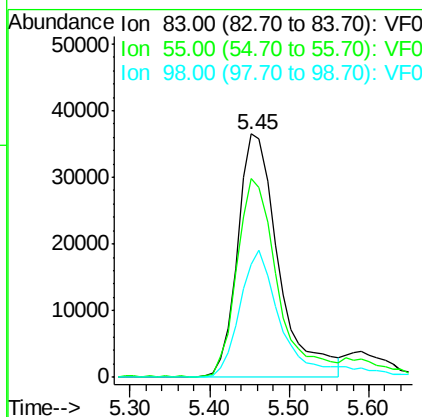
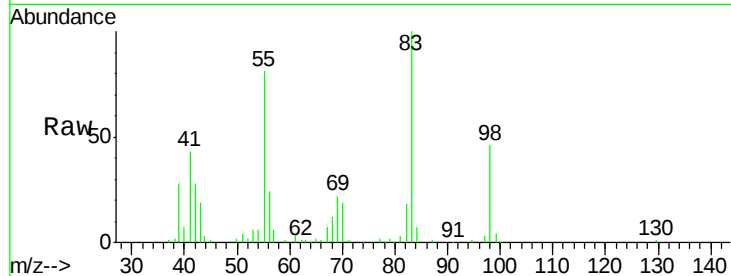
#39
Methylvlcyclohexane
Concen: 21.496 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	66.6	99.8
98	46.4	40.4	60.6

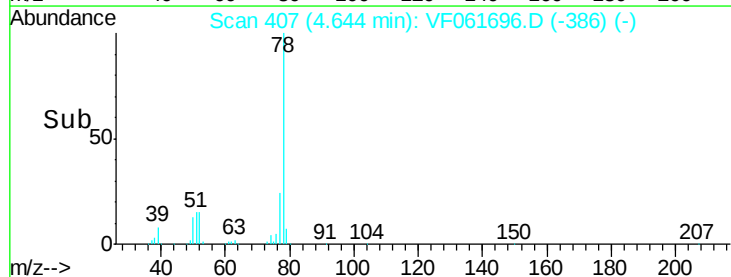
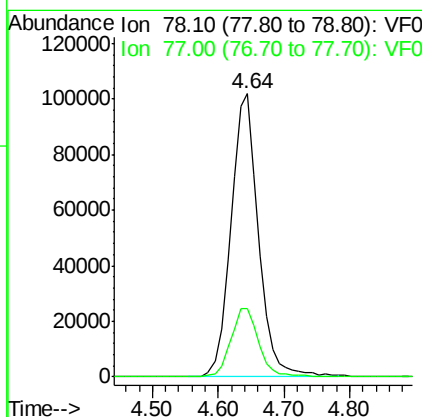
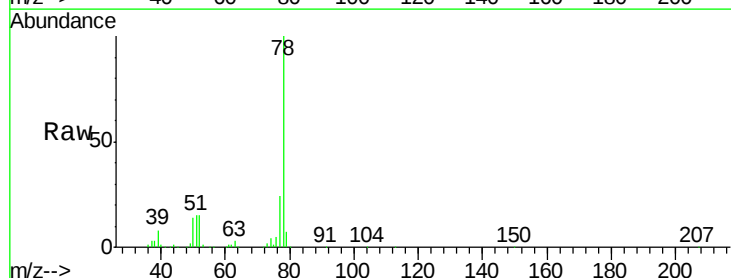
Manual Integrations
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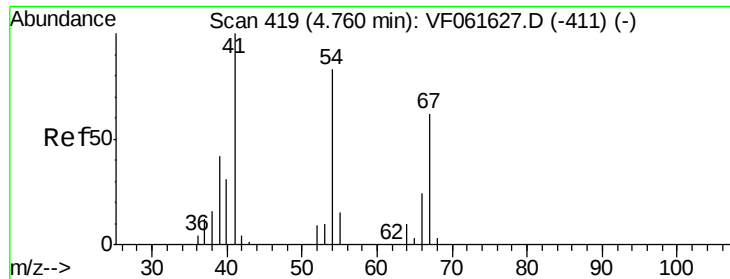
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#40
Benzene
Concen: 22.218 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





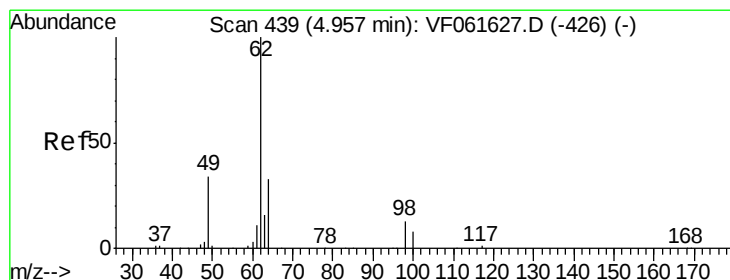
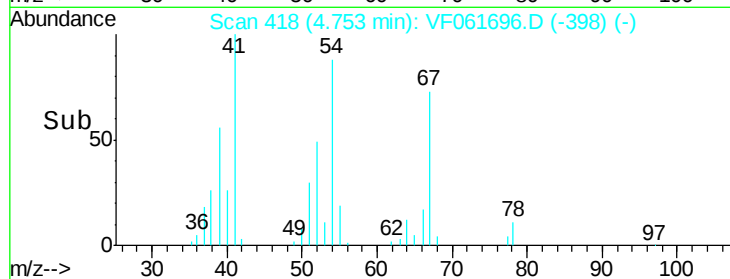
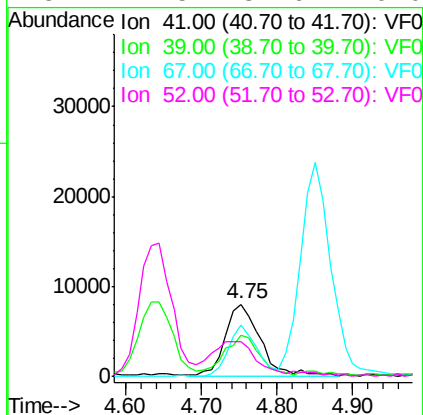
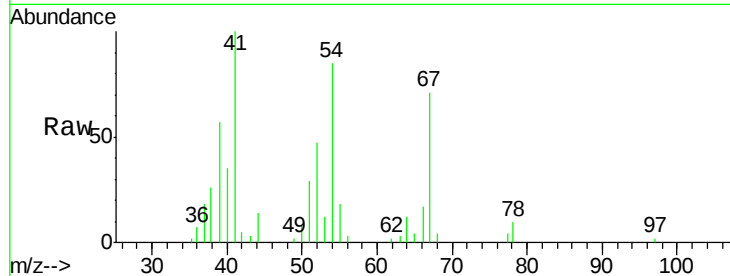
#41
Methacrylonitrile
Concen: 21.054 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25718		
39	56.9	45.3	67.9		
67	71.2	49.3	73.9		
52	47.5	32.6	49.0		

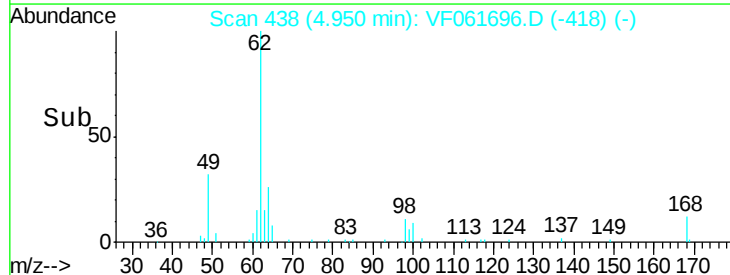
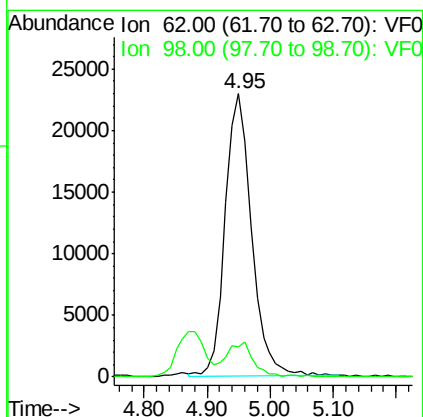
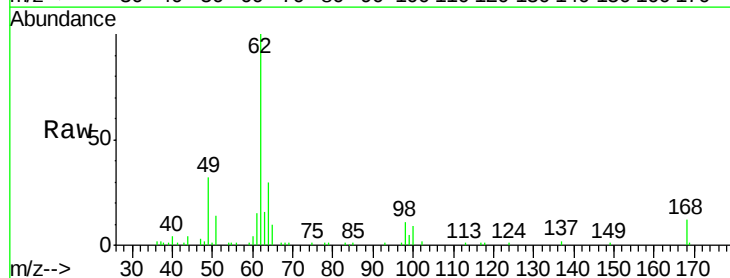
Manual Integrations
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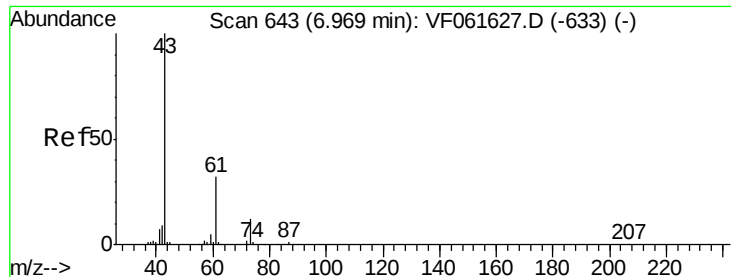
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#42
1,2-Dichloroethane
Concen: 20.674 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		66521		
98	10.8	0.0	26.0		





#43

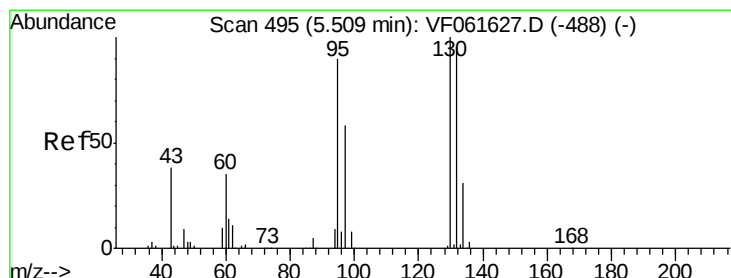
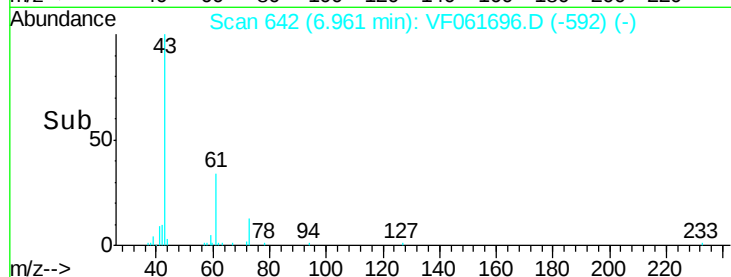
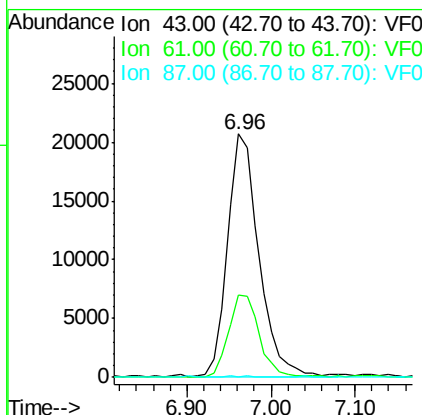
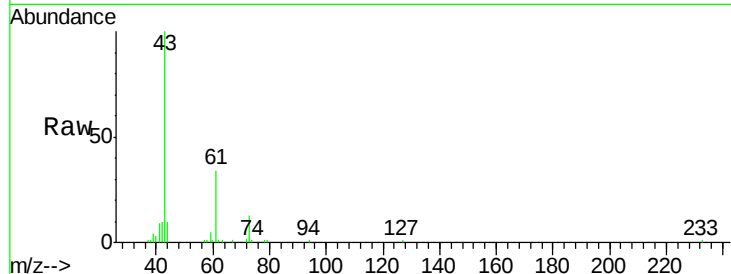
Isopropyl Acetate
 Concen: 19.204 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.8	38.6
87	0.0	0.4	0.6

Manual Integrations
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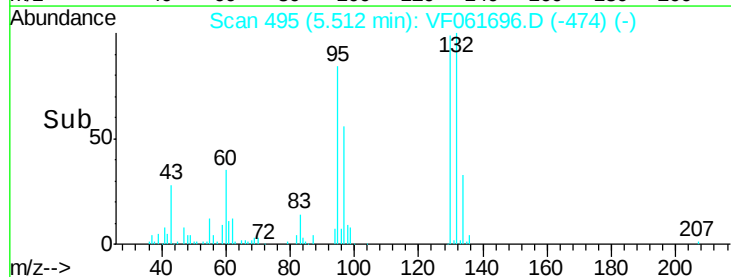
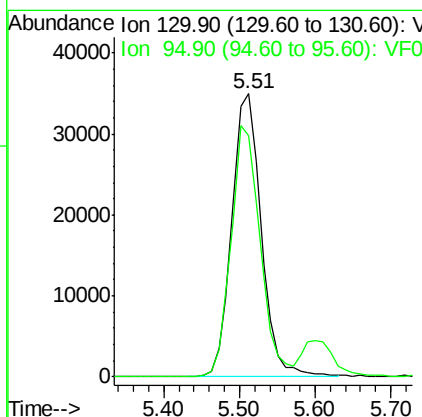
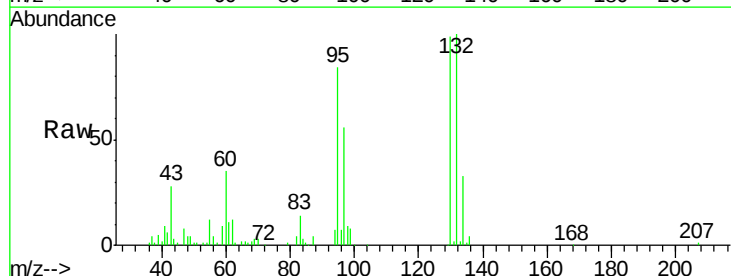
MMDadoda
 2/22/2019 12:27:56 PM

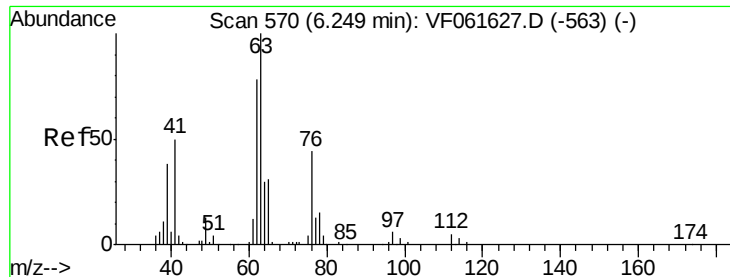


#44

Trichloroethene
 Concen: 21.620 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.3	0.0	179.4





#45

1,2-Dichloropropane

Concen: 20.541 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 63 Resp: 66785

Ion Ratio Lower Upper

63 100

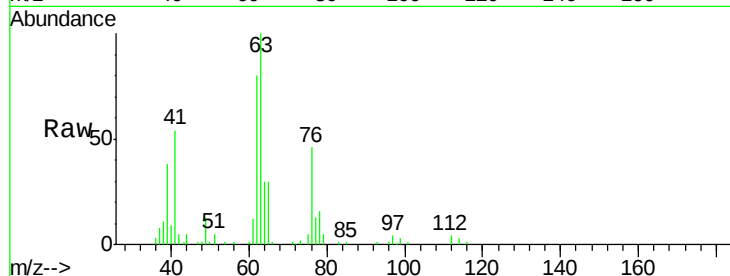
65 29.7 24.9 37.3

Manual Integrations

APPROVED

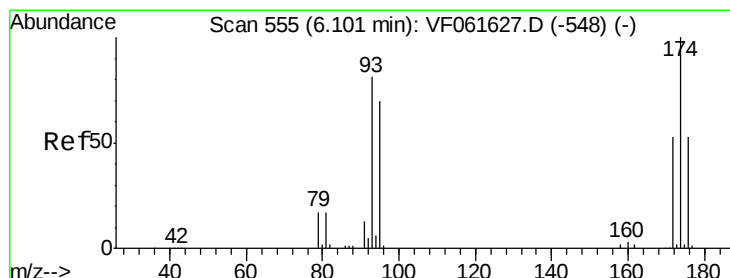
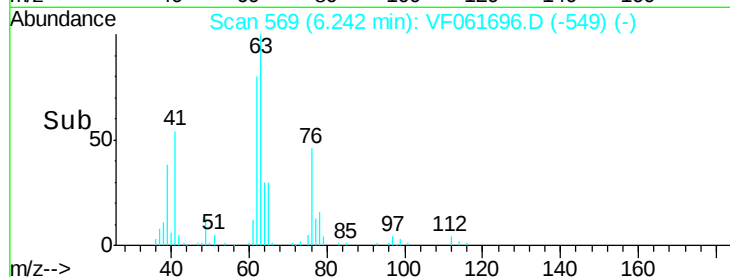
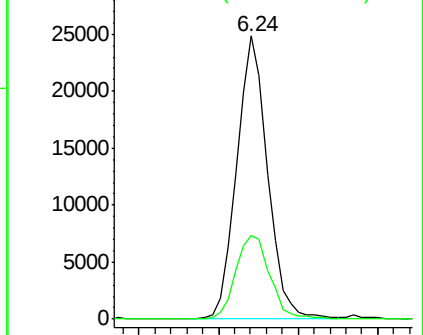
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.622 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

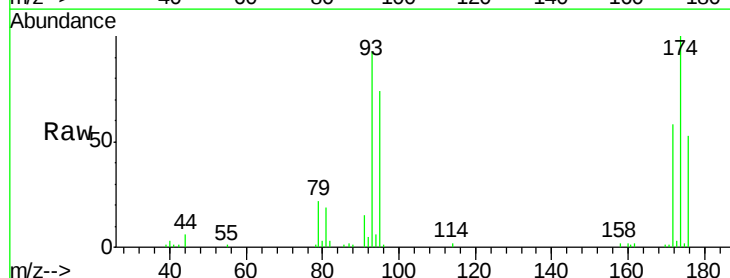
Tgt Ion: 93 Resp: 41283

Ion Ratio Lower Upper

93 100

95 79.8 69.0 103.6

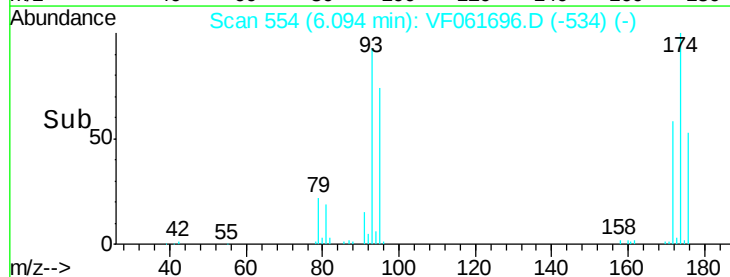
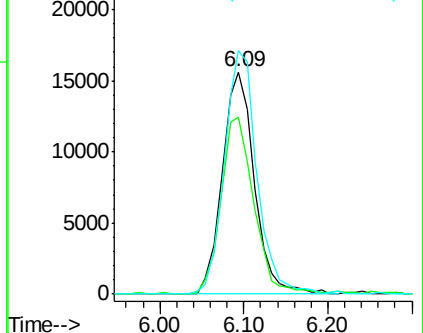
174 109.6 99.3 148.9

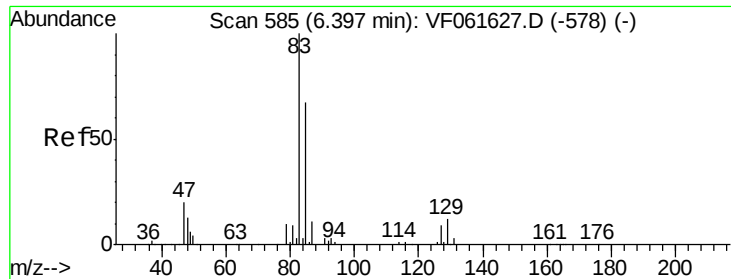


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.962 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

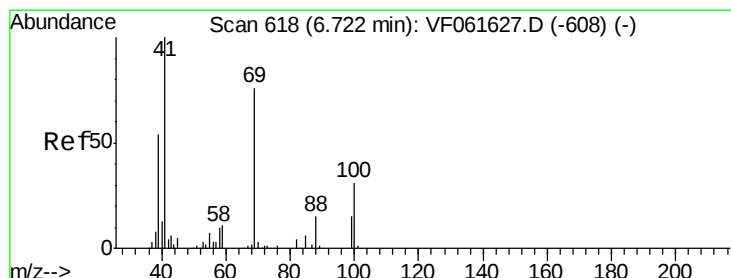
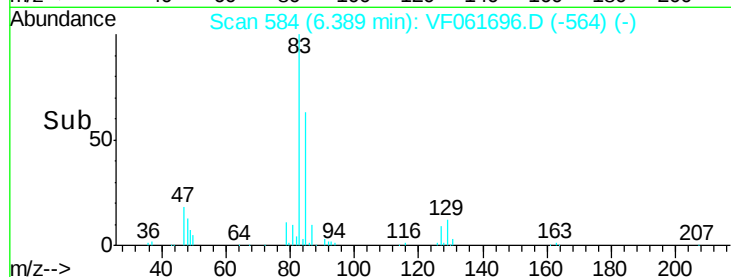
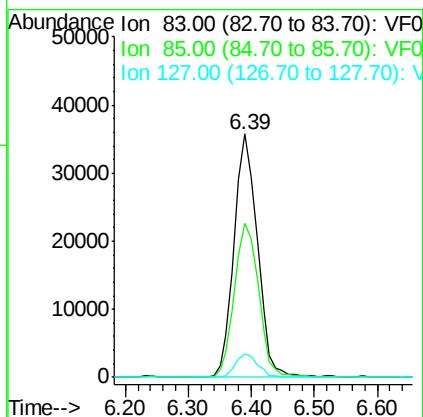
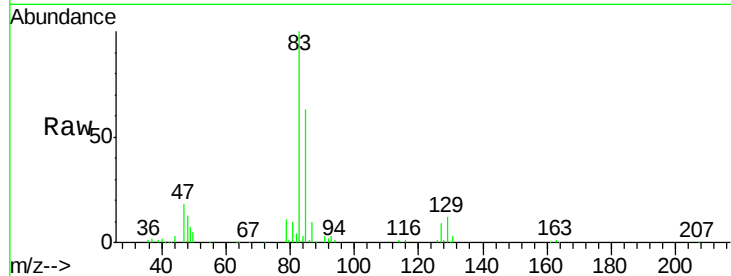
ClientSampleId :

VF0221SBS01

Tot Ion:	83	Resp:	91896
Ion Ratio	Lower	Upper	
83	100		
85	63.1	53.4	80.2
127	9.4	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.211 ug/l

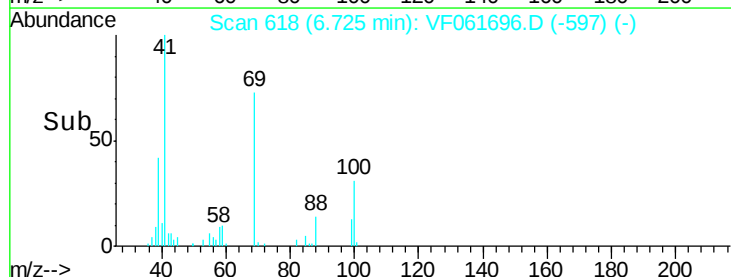
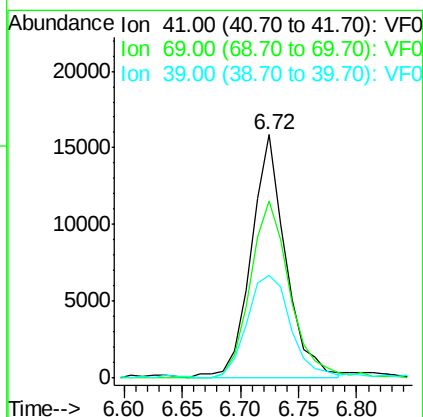
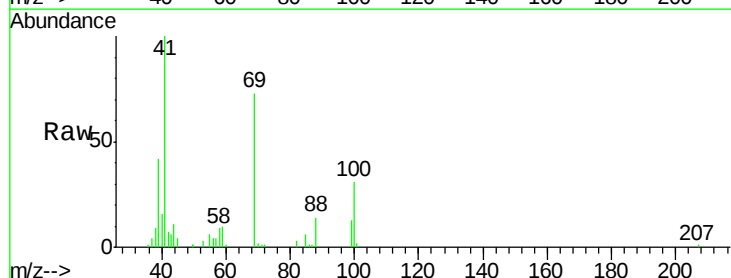
RT: 6.72 min Scan# 618

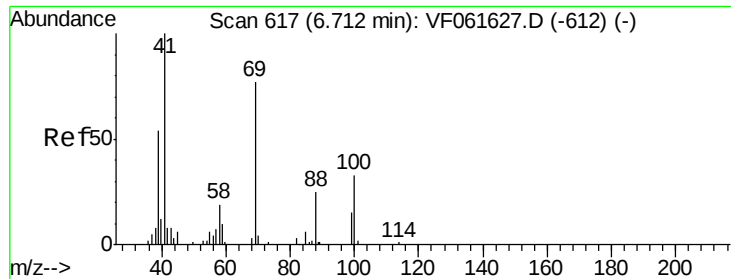
Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	41	Resp:	32687
Ion Ratio	Lower	Upper	
41	100		
69	72.5	60.4	90.6
39	42.5	43.7	65.5#





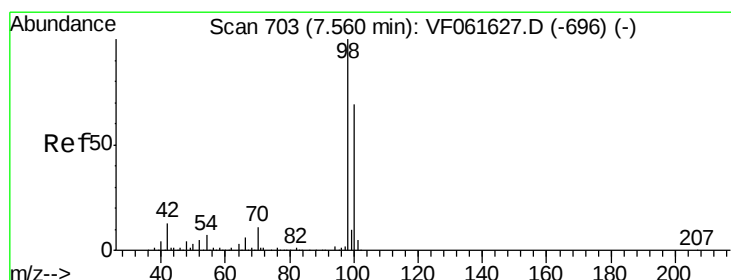
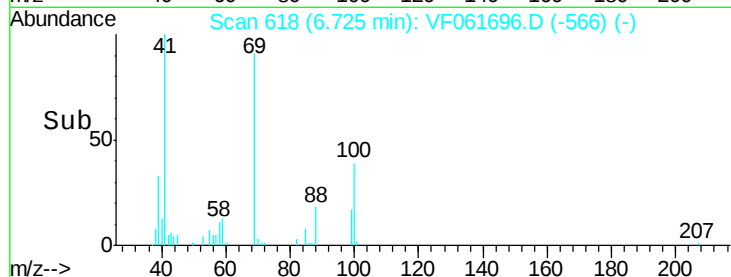
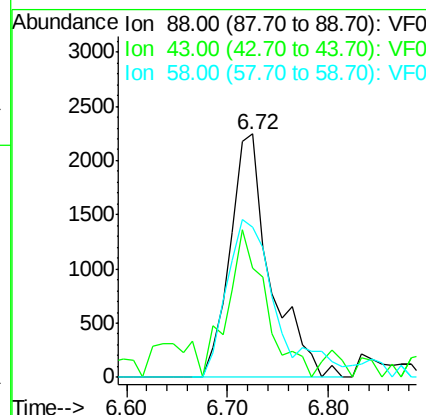
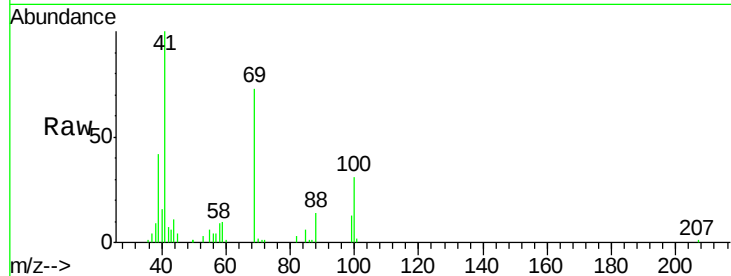
#49
1,4-Dioxane
Concen: 389.257 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6226		
43	44.9		32.3	48.5
58	61.5		59.4	89.2

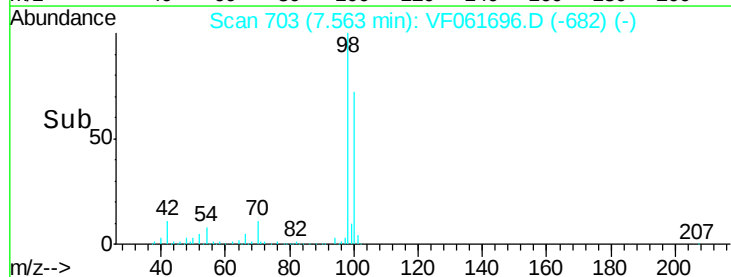
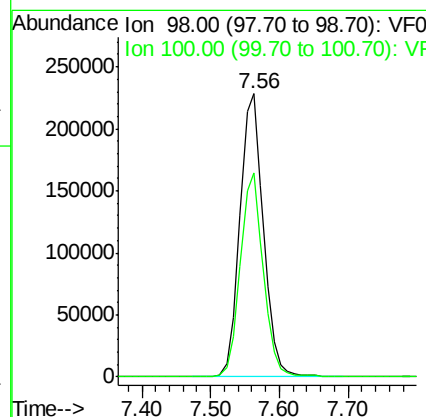
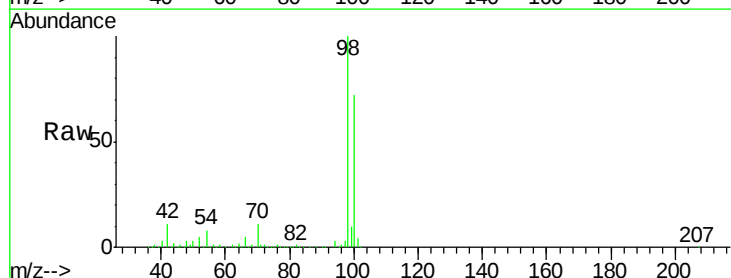
Manual Integrations
APPROVED

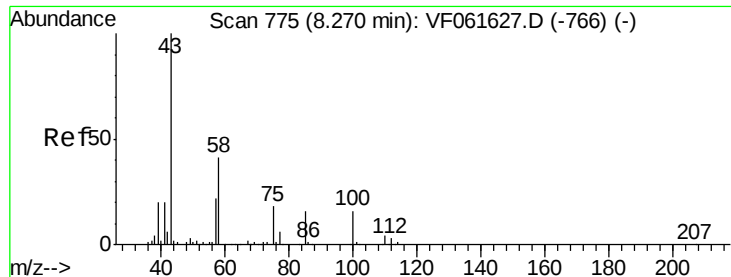
MMDadoda
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#50
Toluene-d8
Concen: 48.763 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	540398		
100	72.0		55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 96.136 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 43 Resp: 194216

Ion Ratio Lower Upper

43 100

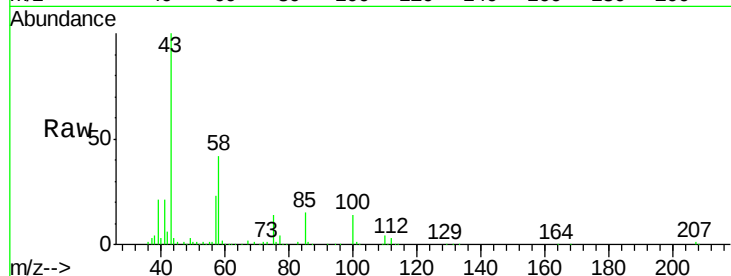
58 41.8 33.1 49.7

Manual Integrations

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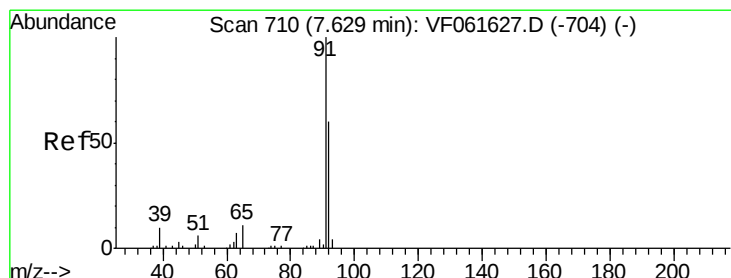
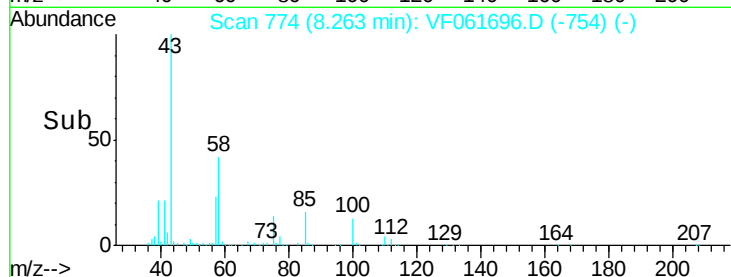
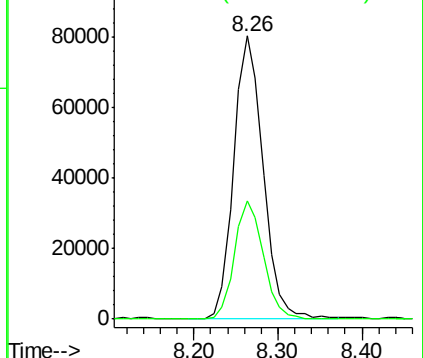
MMDadoda

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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: 20.562 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061696.D

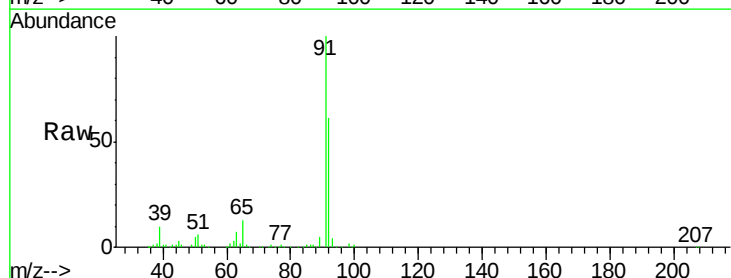
Acq: 21 Feb 2019 14:15

Tgt Ion: 92 Resp: 167740

Ion Ratio Lower Upper

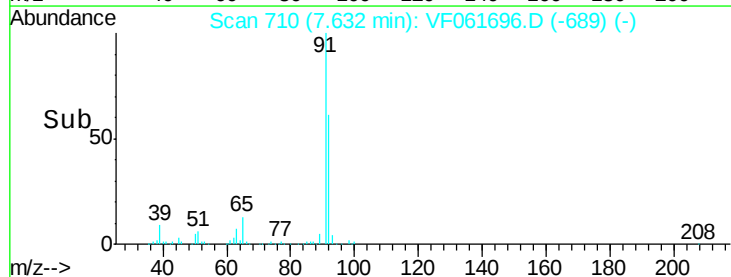
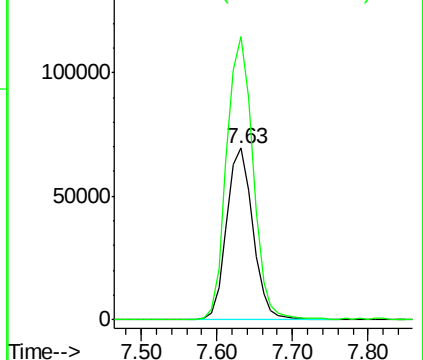
92 100

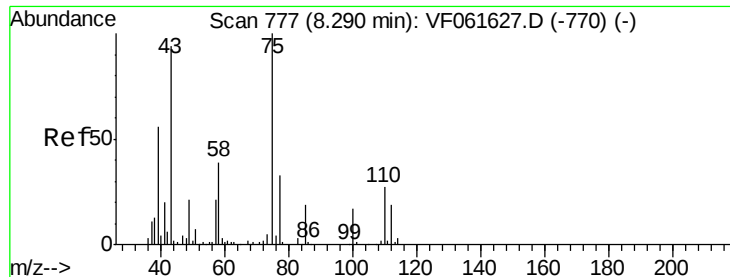
91 165.1 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





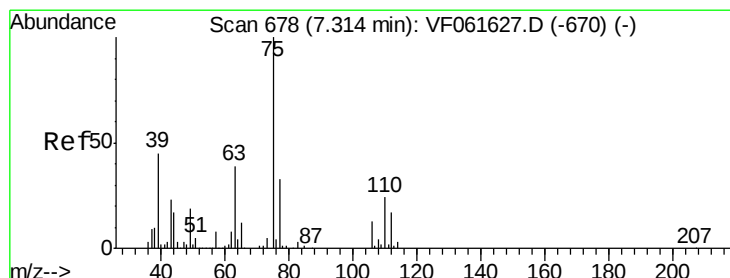
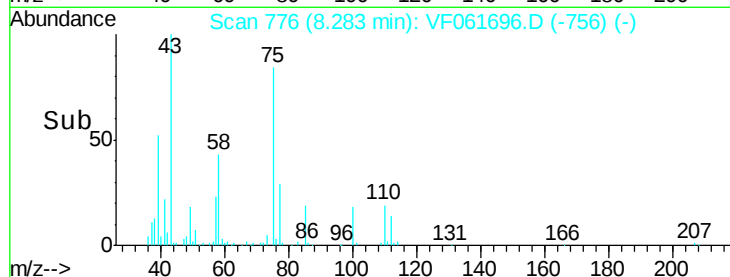
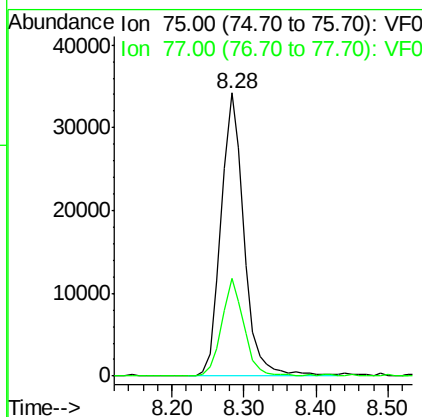
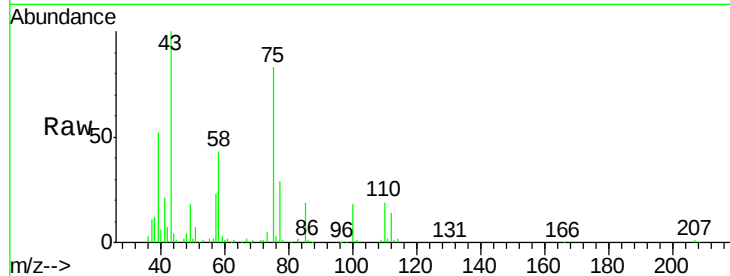
#53
t-1,3-Dichloropropene
Concen: 20.806 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion: 75 Resp: 75913
Ion Ratio Lower Upper
75 100
77 34.4 26.2 39.2

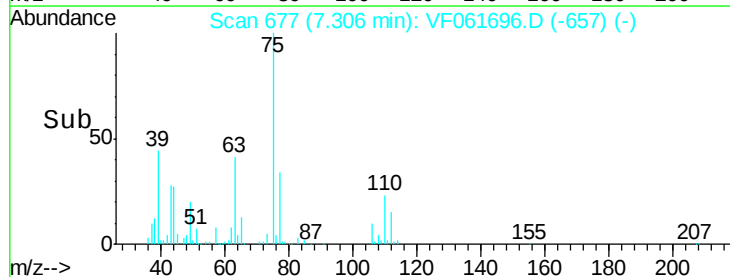
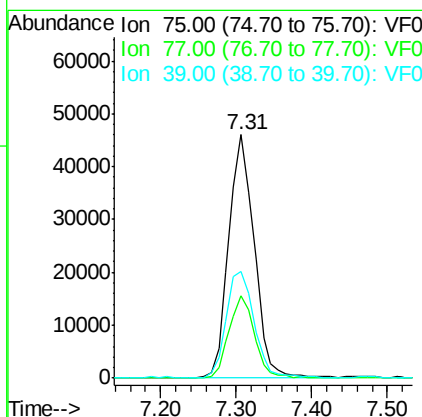
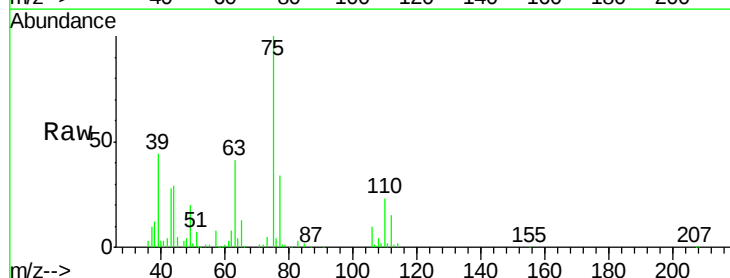
Manual Integrations
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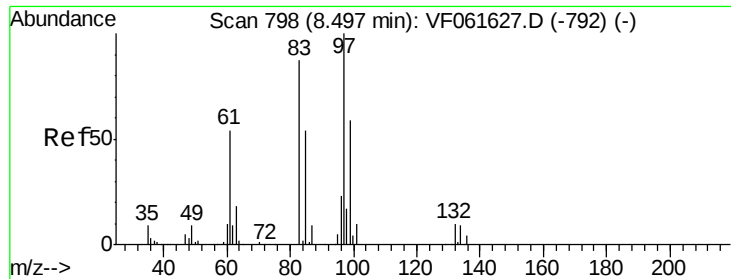
MMDadoda
2/22/2019 12:27:56 PM



#54
cis-1,3-Dichloropropene
Concen: 22.124 ug/l
RT: 7.31 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 75 Resp: 107520
Ion Ratio Lower Upper
75 100
77 33.7 26.4 39.6
39 43.8 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 20.951 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

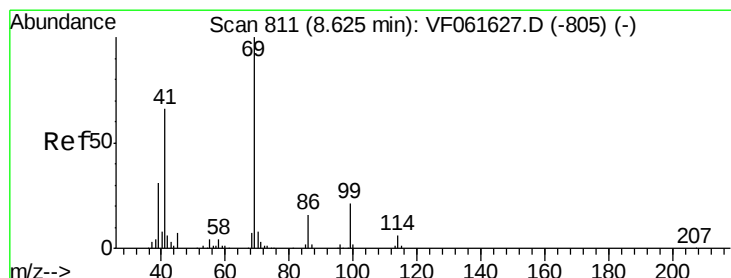
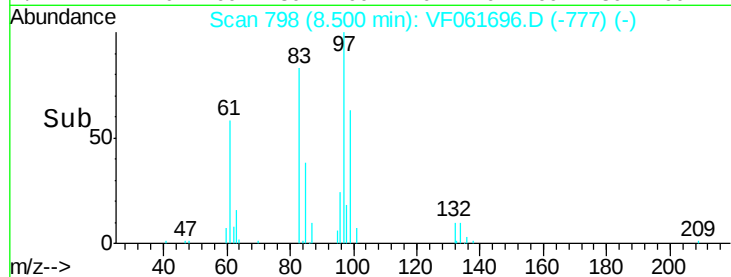
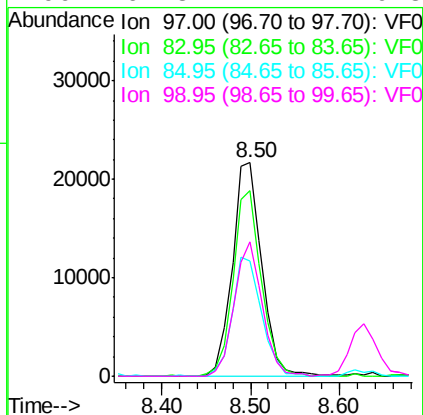
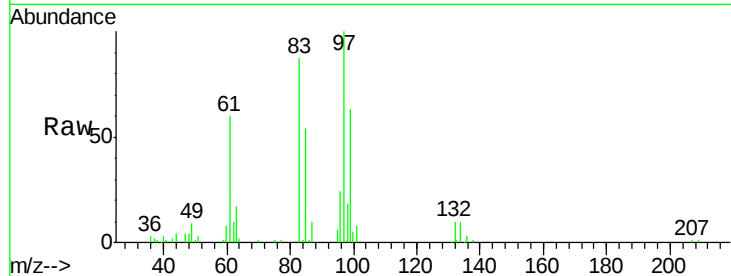
ClientSampleId :

VF0221SBS01

Tot Ion:	97	Resp:	50216
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.2	103.8
85	53.8	43.0	64.4
99	62.8	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.827 ug/l

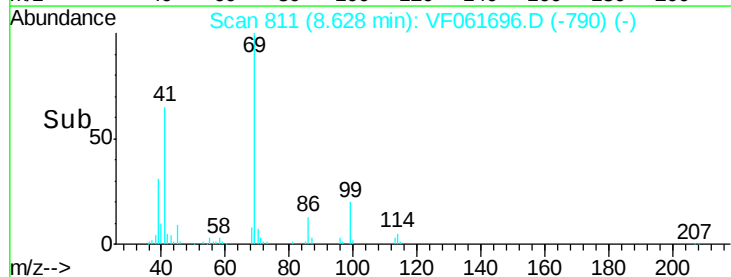
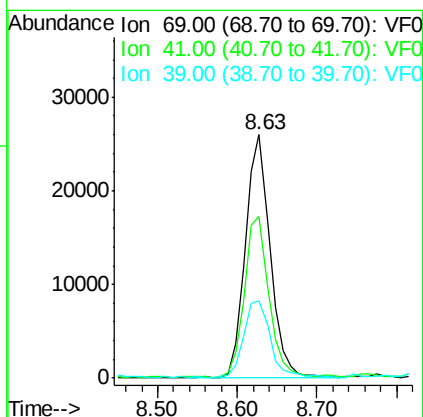
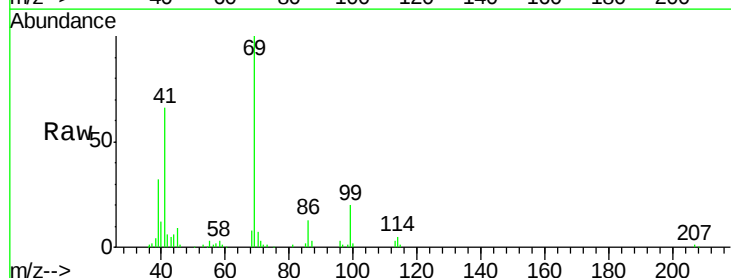
RT: 8.63 min Scan# 811

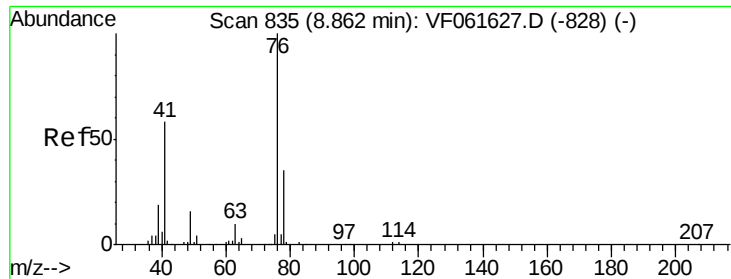
Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	69	Resp:	55578
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.9	79.3
39	31.9	24.5	36.7





#57

1,3-Dichloropropane

Concen: 20.448 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 76 Resp: 81805

Ion Ratio Lower Upper

76 100

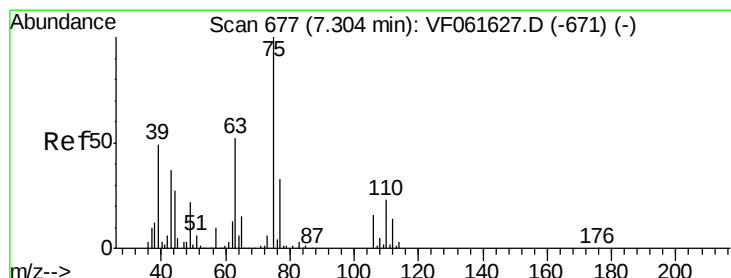
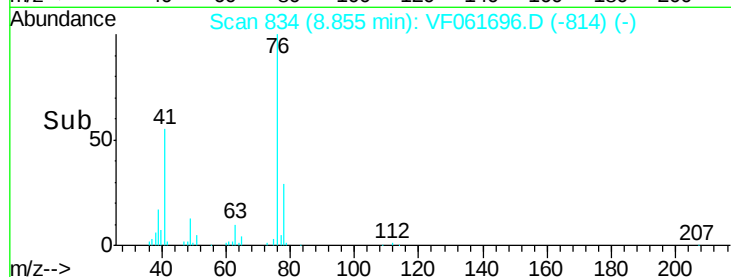
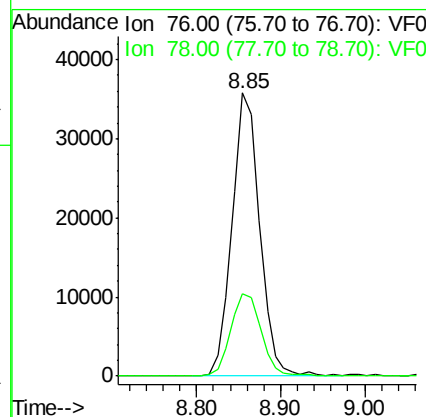
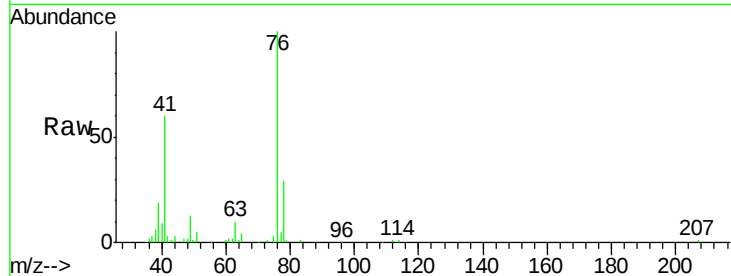
78 29.2 27.8 41.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.054 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061696.D

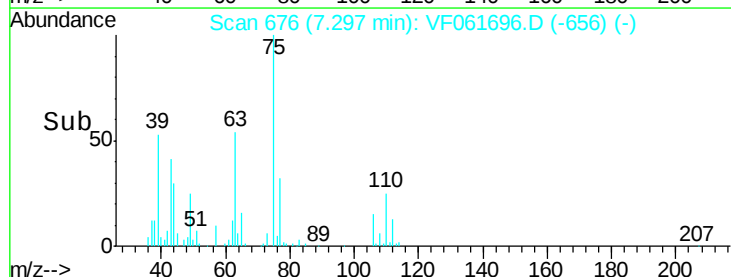
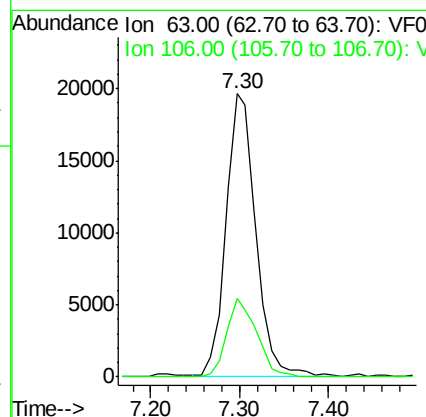
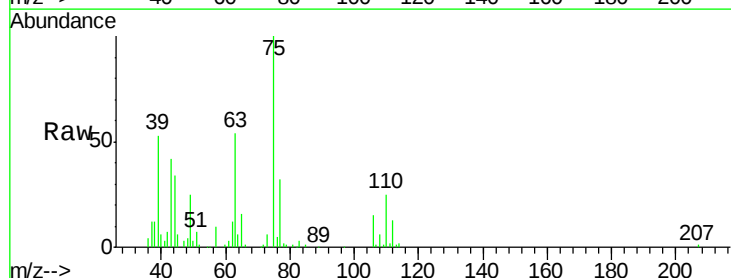
Acq: 21 Feb 2019 14:15

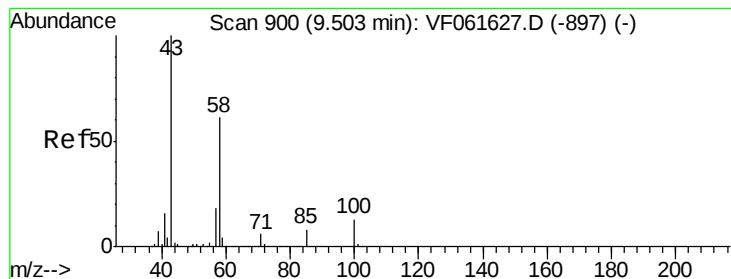
Tgt Ion: 63 Resp: 46528

Ion Ratio Lower Upper

63 100

106 27.8 24.6 36.8





#59

2-Hexanone

Concen: 102.718 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 43 Resp: 145461

Ion Ratio Lower Upper

43 100

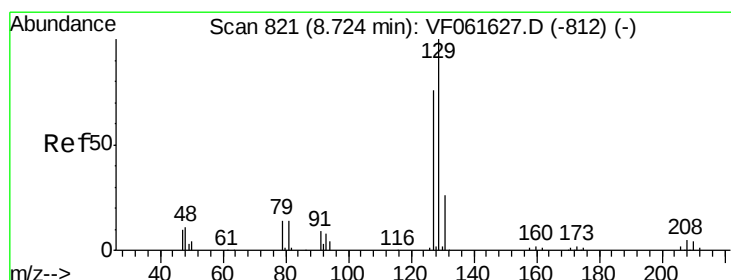
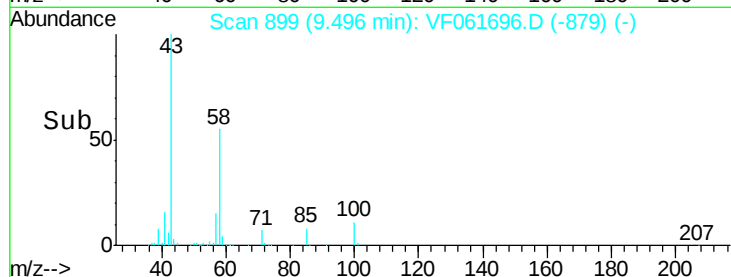
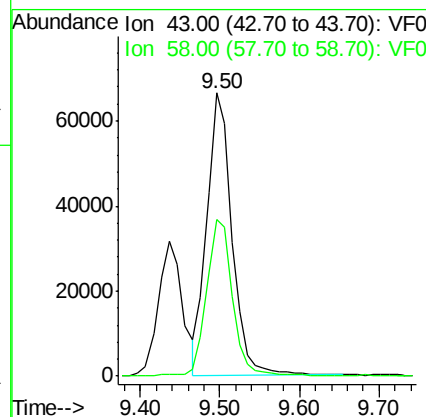
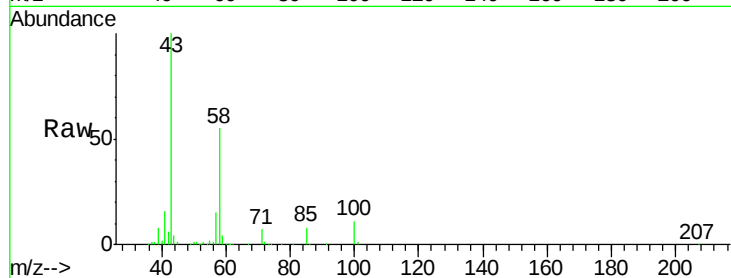
58 55.2 28.5 85.5

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#60

Dibromochloromethane

Concen: 20.172 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061696.D

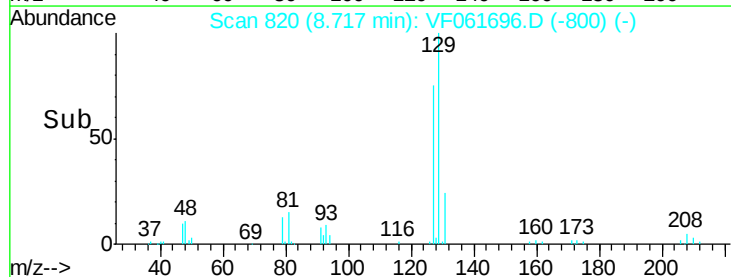
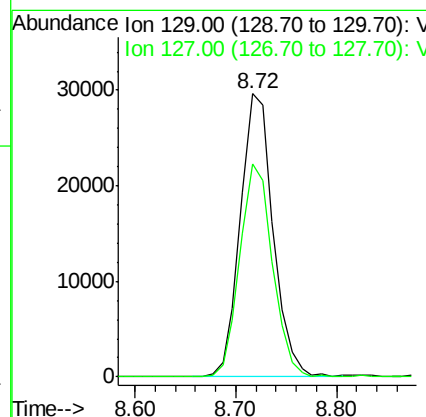
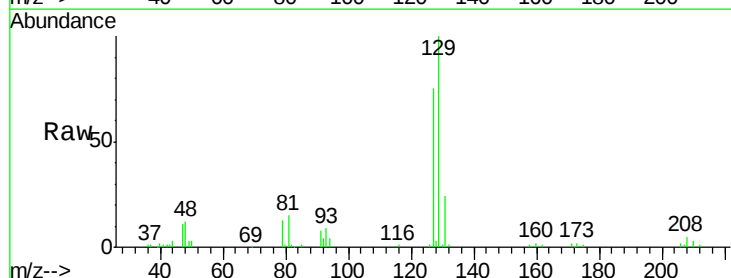
Acq: 21 Feb 2019 14:15

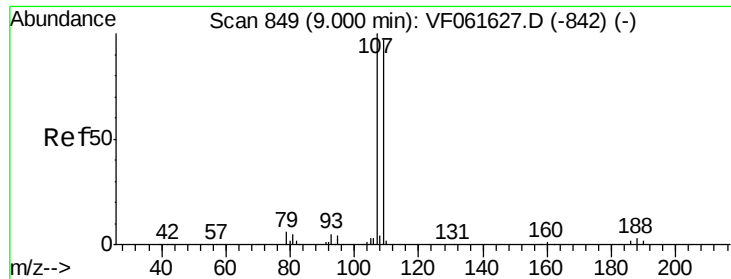
Tgt Ion: 129 Resp: 67295

Ion Ratio Lower Upper

129 100

127 75.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.483 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 107 Resp: 50650

Ion Ratio Lower Upper

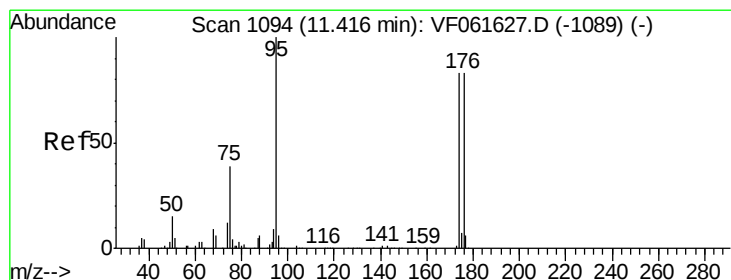
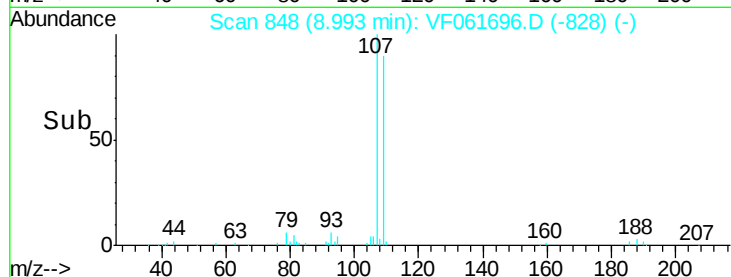
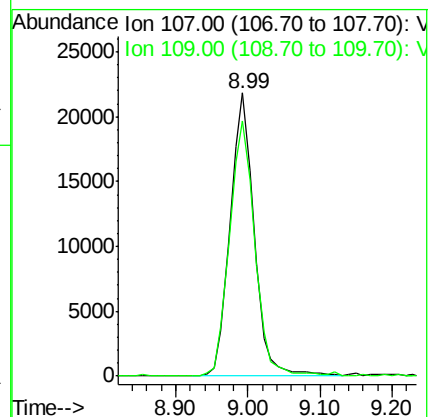
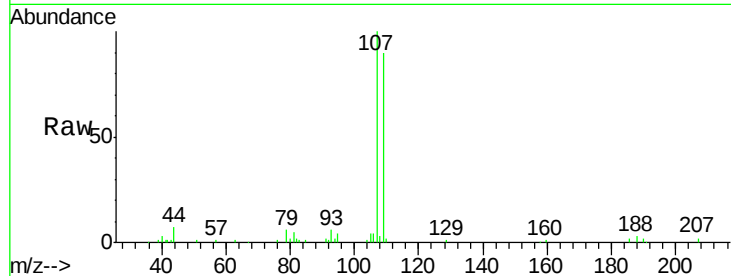
107 100

109 90.3 77.4 116.0

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#62

4-Bromofluorobenzene

Concen: 46.673 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

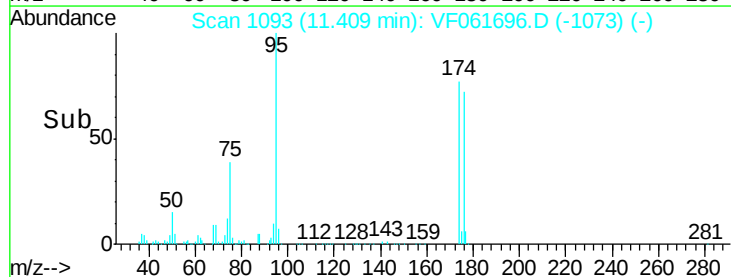
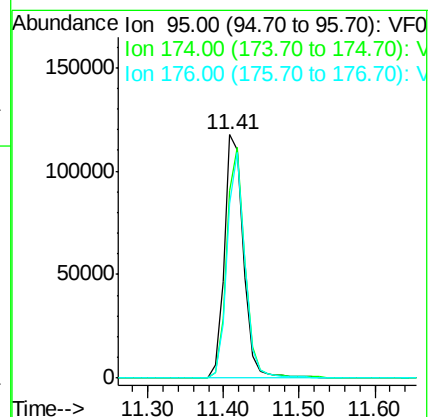
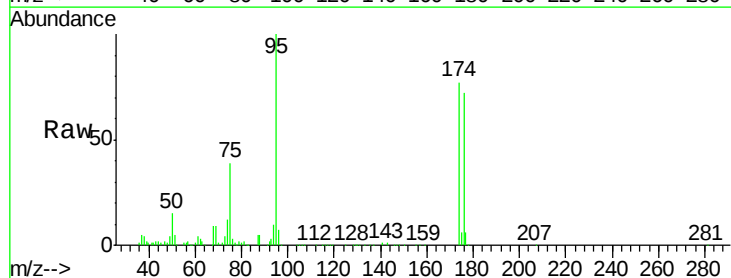
Tgt Ion: 95 Resp: 209284

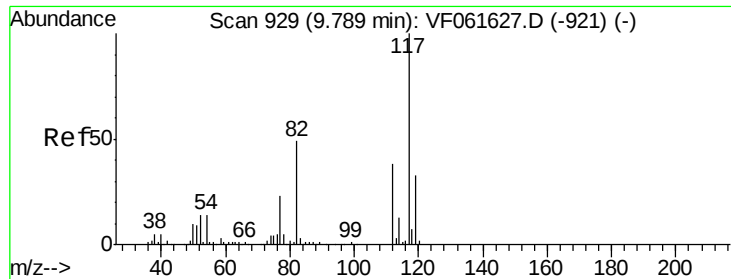
Ion Ratio Lower Upper

95 100

174 77.0 0.0 165.8

176 71.9 0.0 167.0





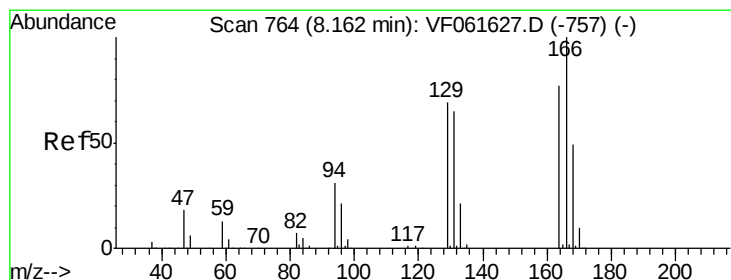
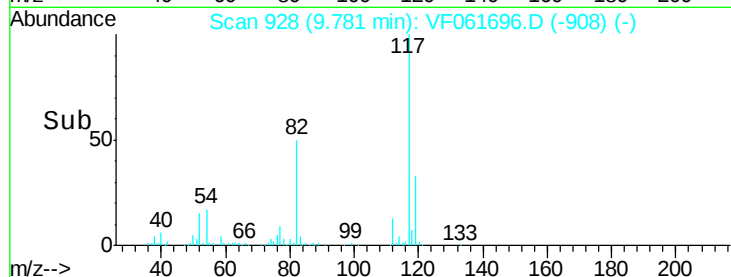
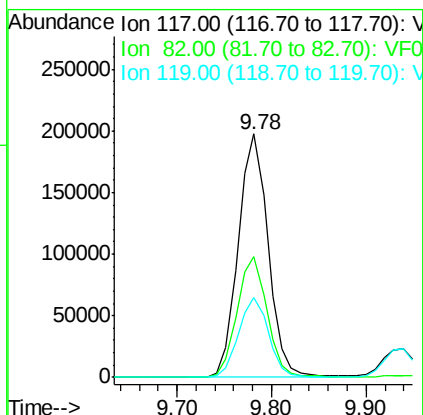
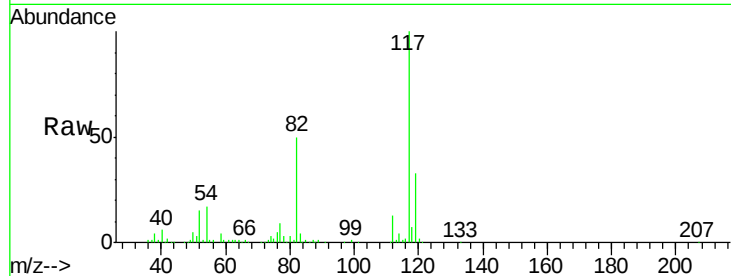
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433507		
82	49.9	39.3	58.9	
119	32.7	26.6	40.0	

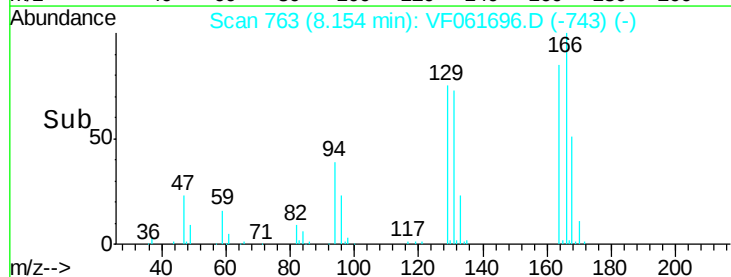
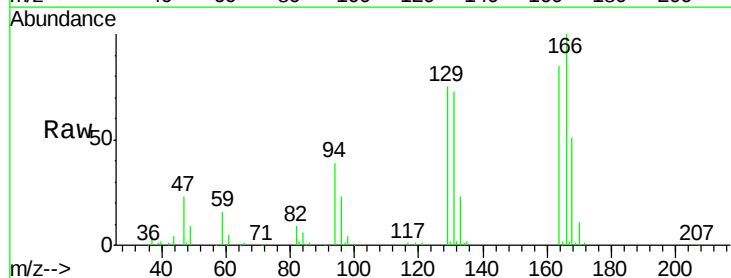
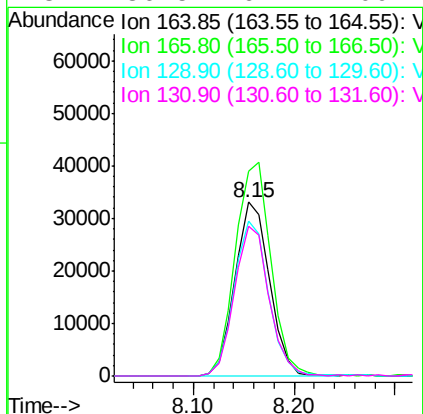
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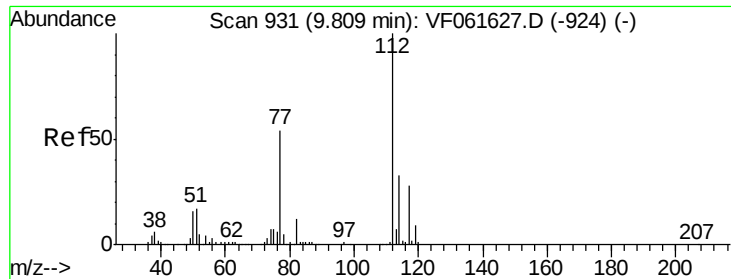
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#64
Tetrachloroethene
Concen: 22.309 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	79050		
166	118.0	103.9	155.9	
129	88.9	71.3	106.9	
131	86.5	67.1	100.7	





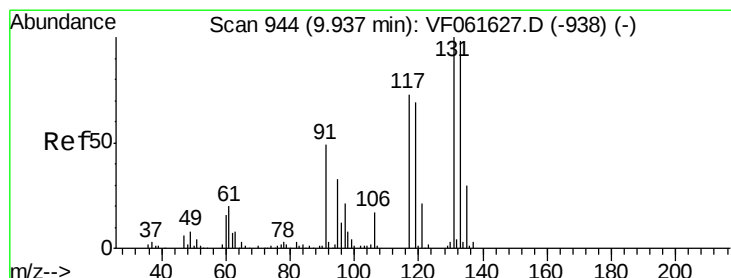
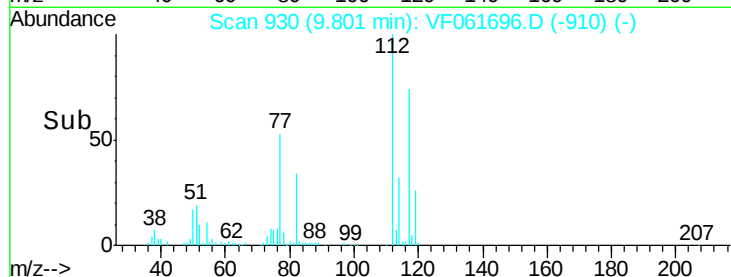
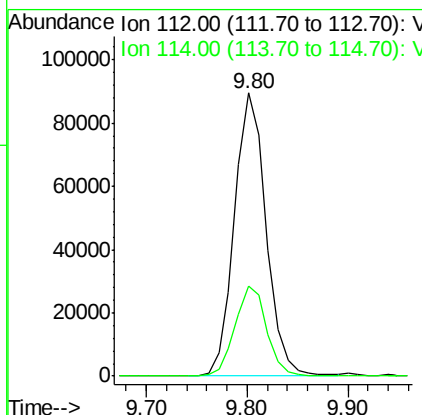
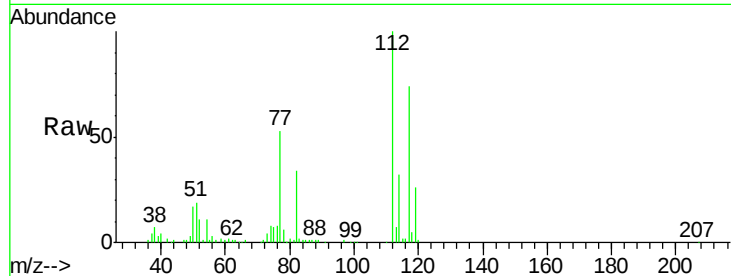
#65
Chlorobenzene
Concen: 22.261 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2

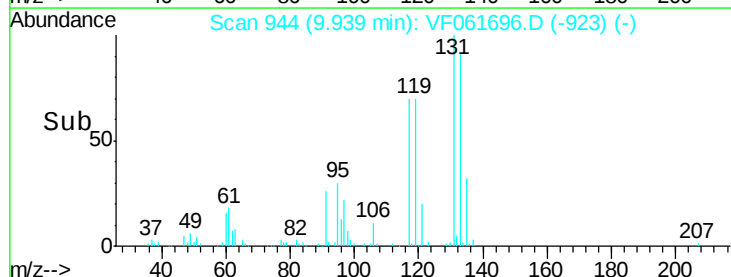
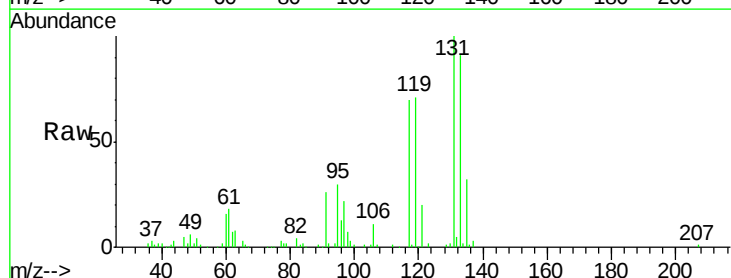
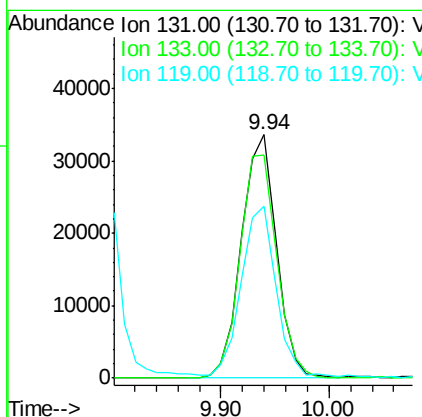
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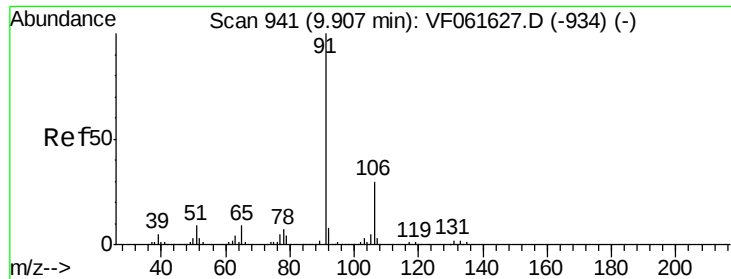
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.020 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.4	48.9	146.6
119	70.5	34.8	104.3





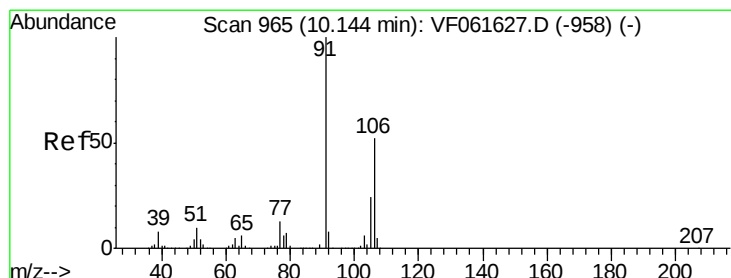
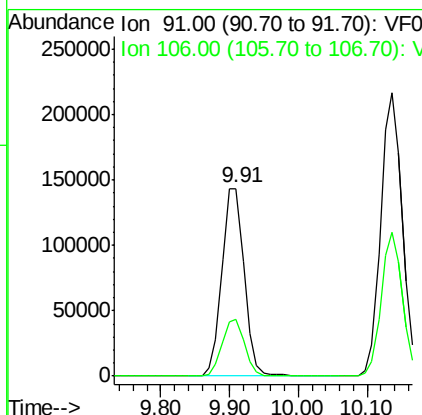
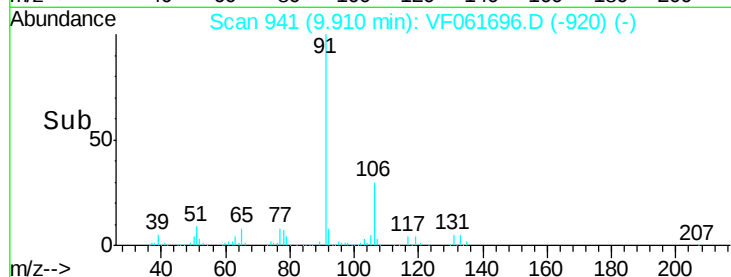
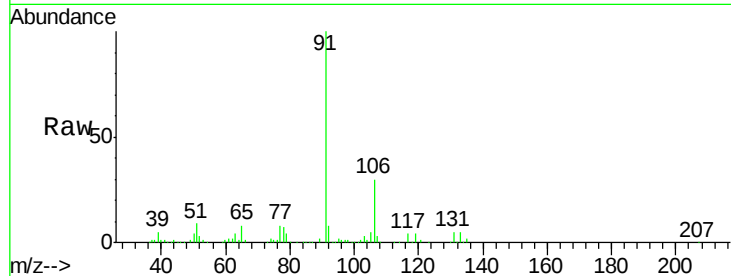
#67
Ethyl Benzene
Concen: 22.212 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion: 91 Resp: 324946
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

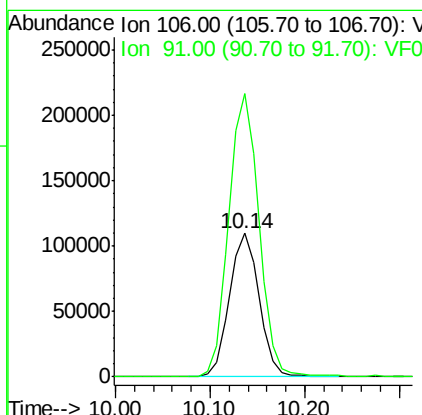
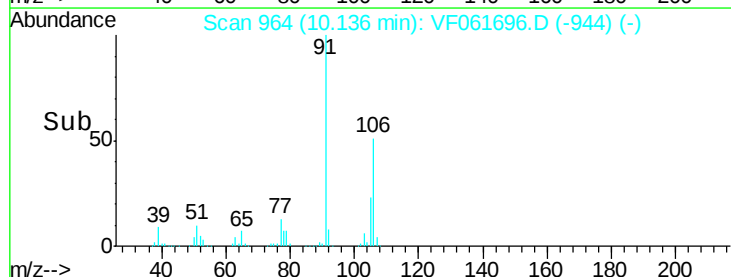
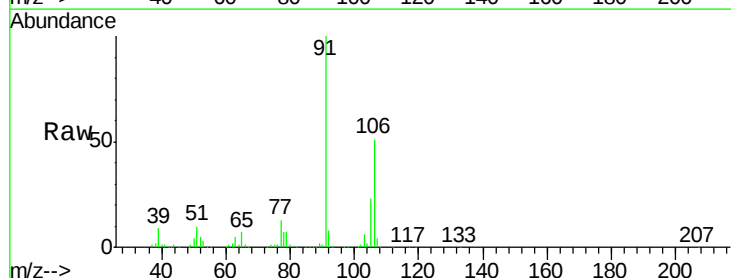
Manual Integrations
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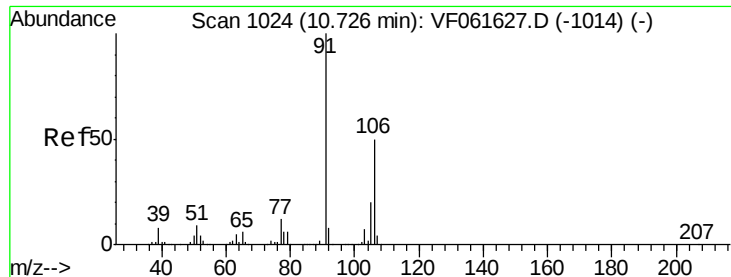
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#68
m/p-Xylenes
Concen: 42.967 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion: 106 Resp: 240562
Ion Ratio Lower Upper
106 100
91 197.1 153.0 229.6





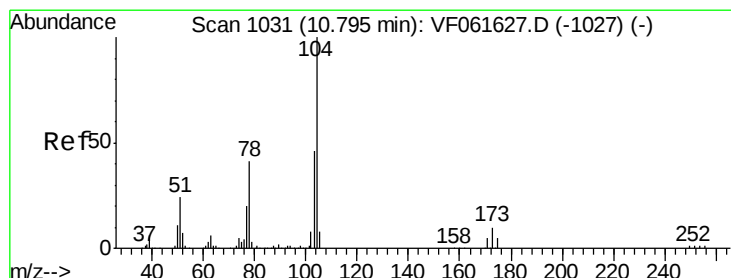
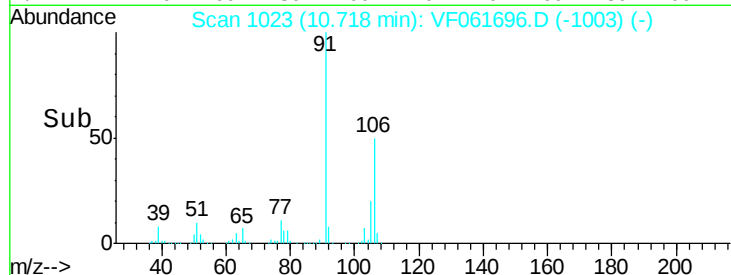
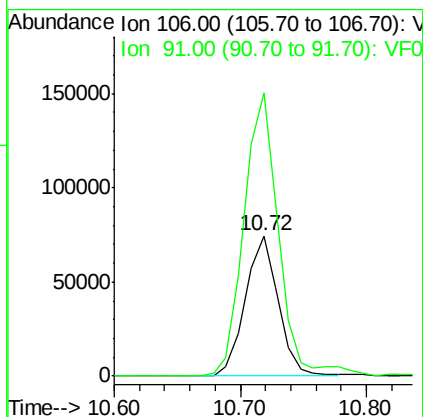
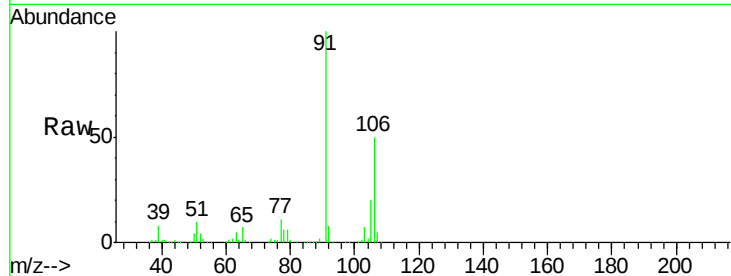
#69
o-Xylene
Concen: 22.641 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.5	100.1	300.1

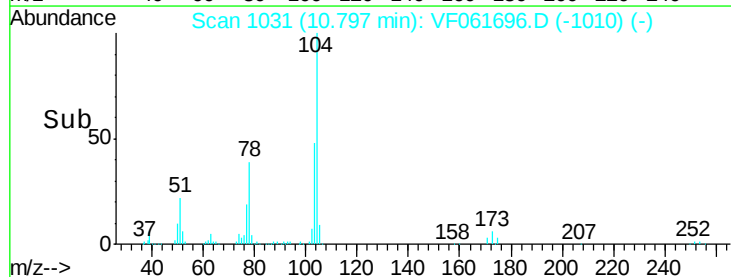
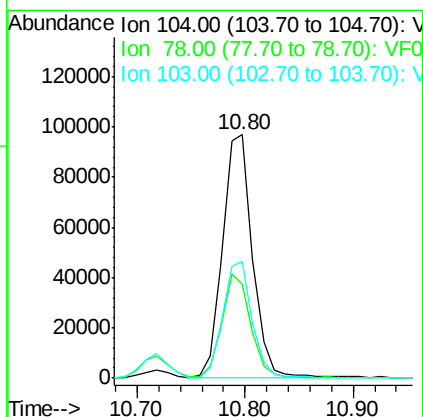
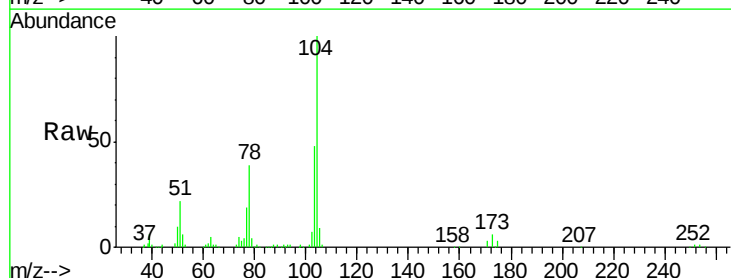
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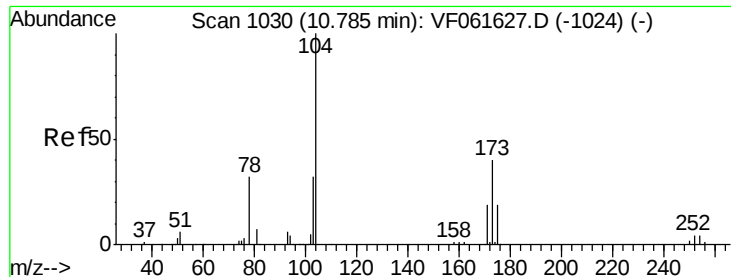
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#70
Styrene
Concen: 22.061 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.7	33.2	49.8
103	47.9	37.2	55.8





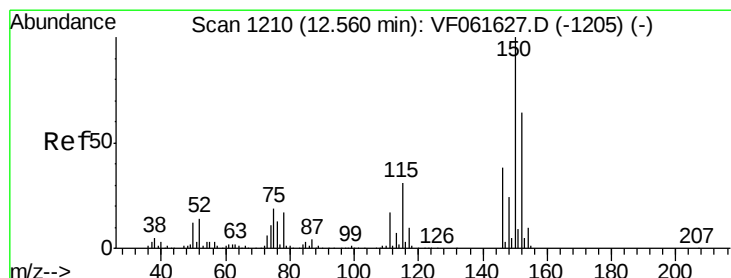
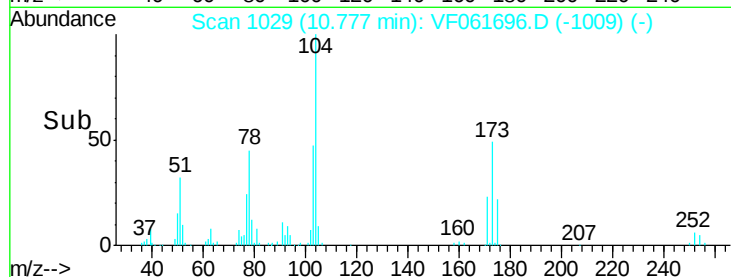
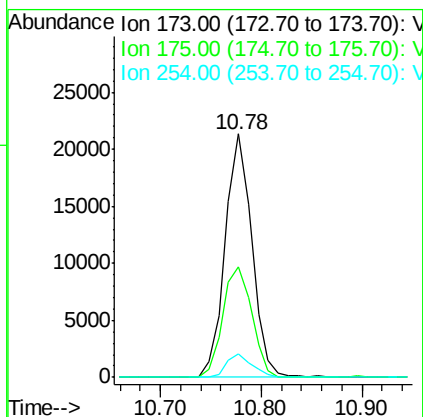
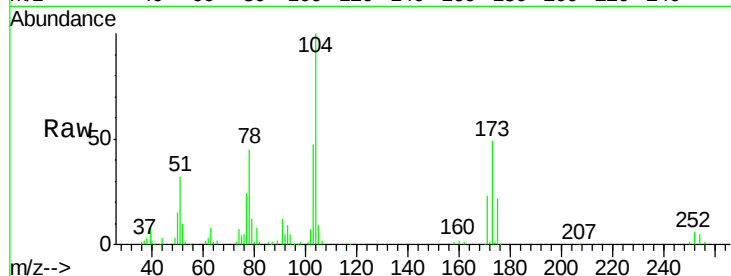
#71
Bromoform
Concen: 21.028 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.0	72.0
254	9.6	8.2	12.2

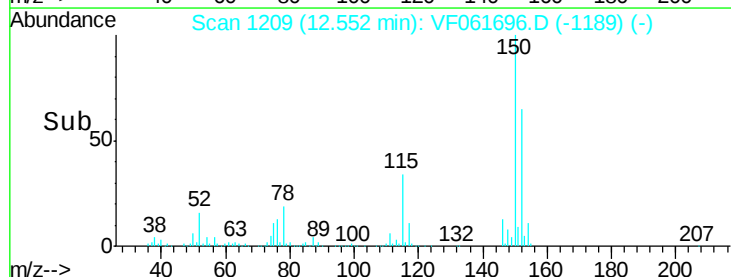
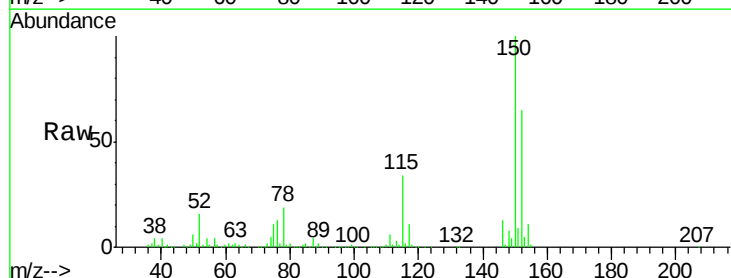
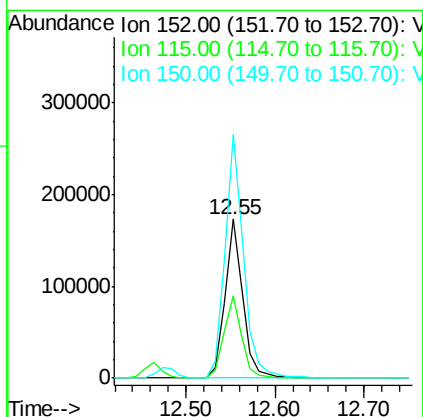
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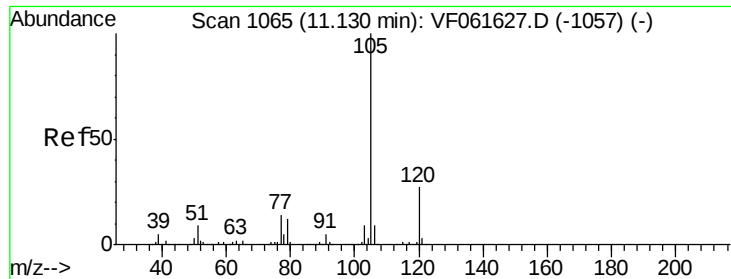
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	24.3	72.8
150	153.1	0.0	312.0





#73

Isopropylbenzene

Concen: 21.972 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion:105 Resp: 386196

Ion Ratio Lower Upper

105 100

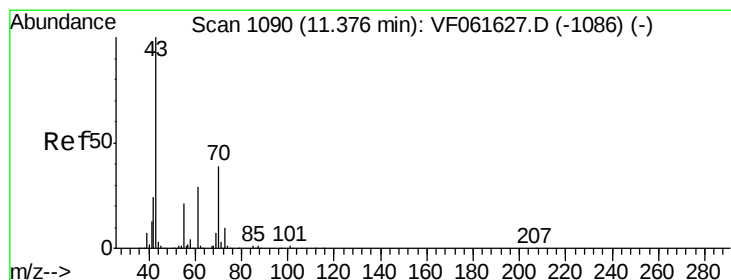
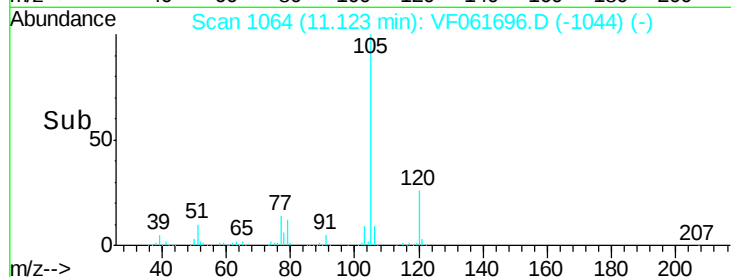
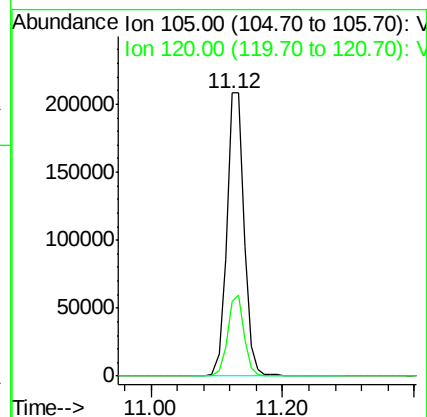
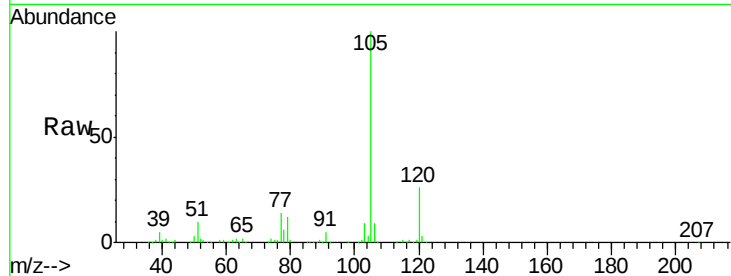
120 26.5 13.4 40.1

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#74

N-ethyl acetate

Concen: 21.932 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion: 43 Resp: 92527

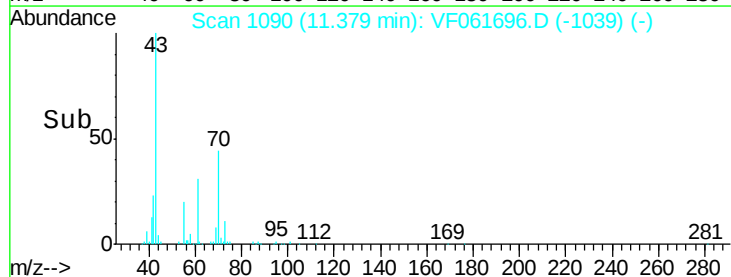
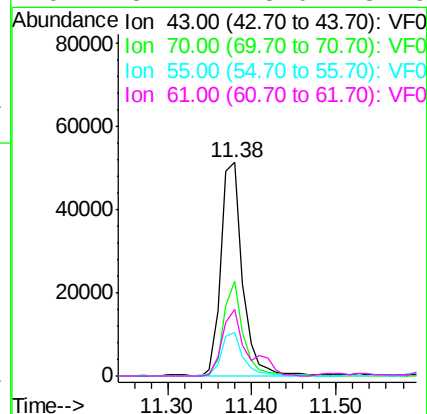
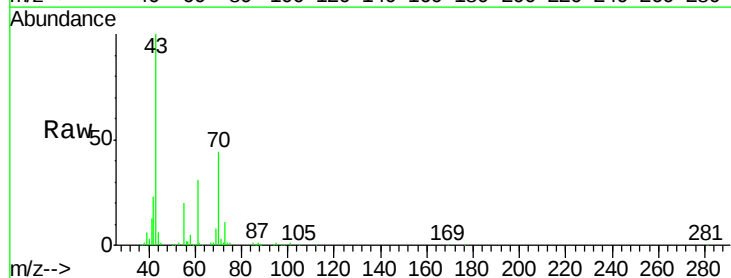
Ion Ratio Lower Upper

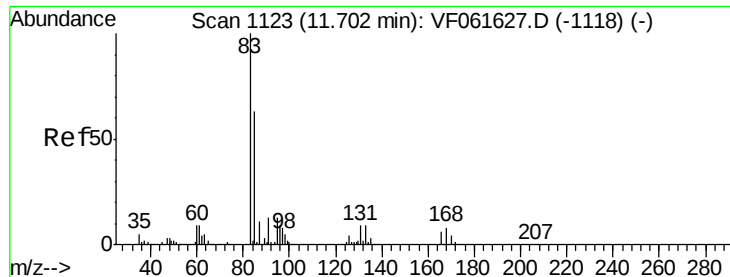
43 100

70 44.5 31.5 47.3

55 20.2 16.7 25.1

61 31.2 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.686 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

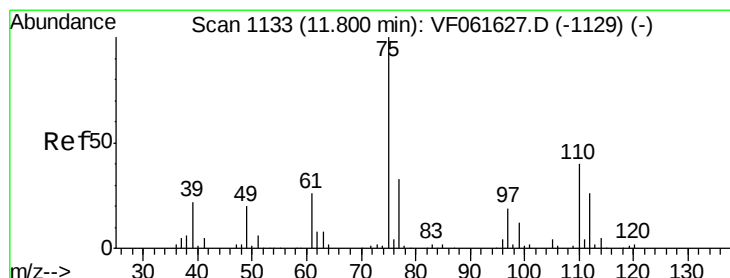
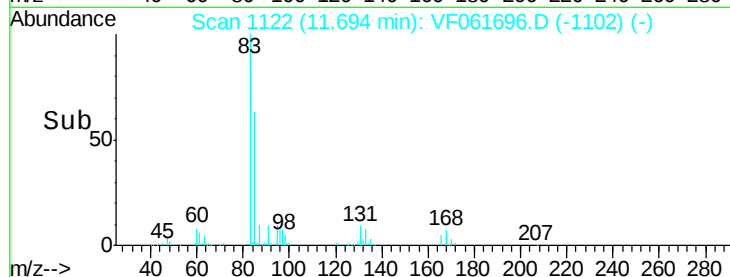
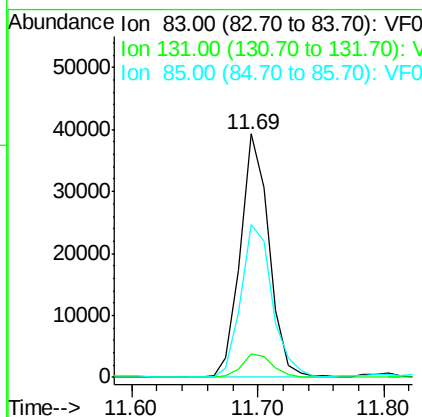
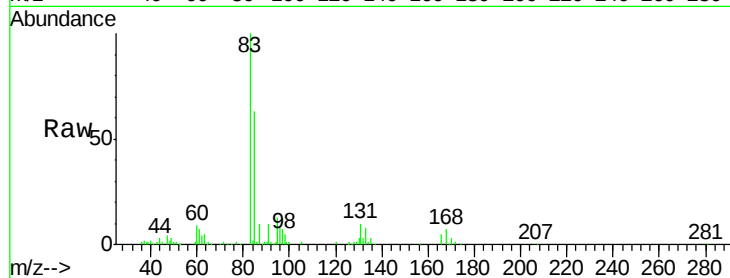
ClientSampleId :

VF0221SBS01

Tot Ion:	83	Resp:	61991
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.4	13.2
85	62.9	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.432 ug/l

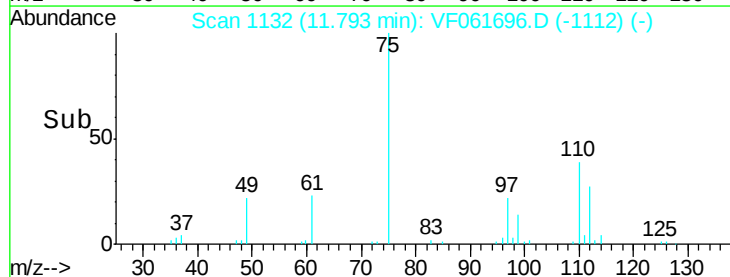
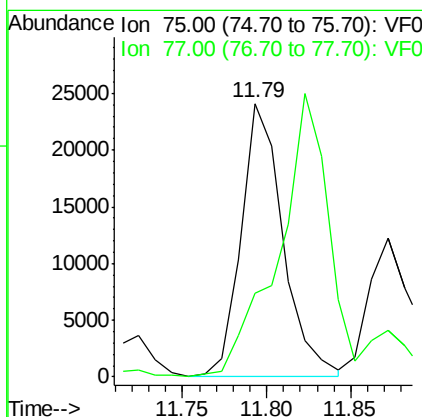
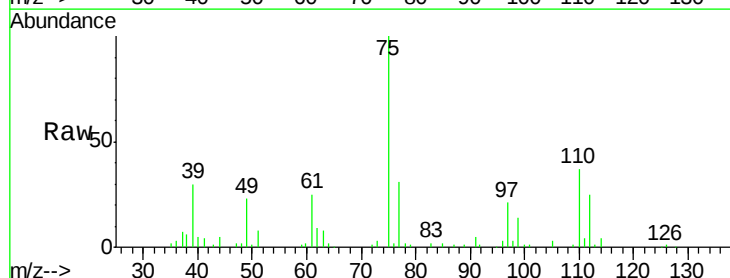
RT: 11.79 min Scan# 1132

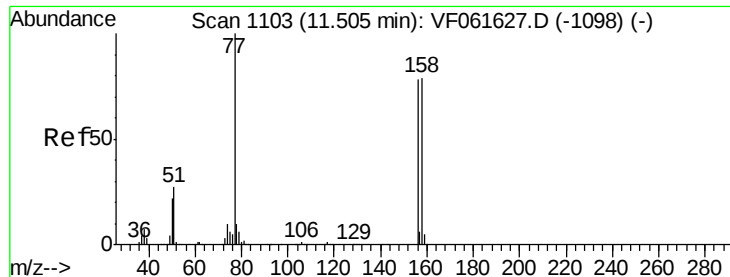
Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	75	Resp:	41601
Ion Ratio	Lower	Upper	
75	100		
77	30.5	16.6	49.7





#77

Bromobenzene

Concen: 20.974 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

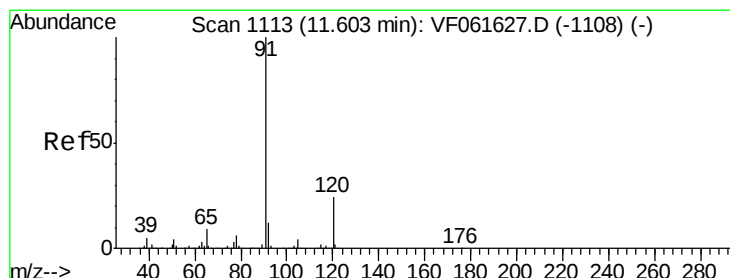
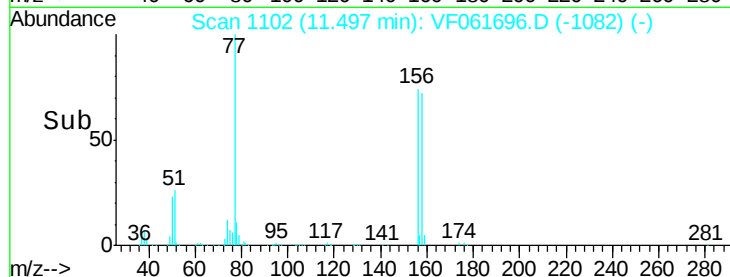
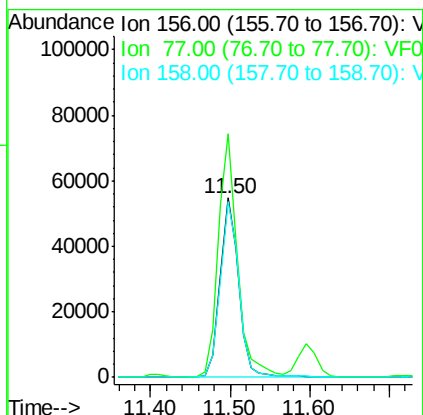
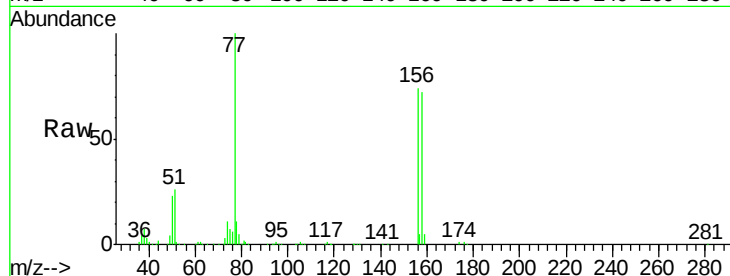
ClientSampleId :

VF0221SBS01

Tot Ion:	156	Resp:	91073
Ion Ratio	Lower	Upper	
156	100		
77	136.0	64.3	192.7
158	97.8	50.9	152.7

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#78

n-propylbenzene

Concen: 21.635 ug/l

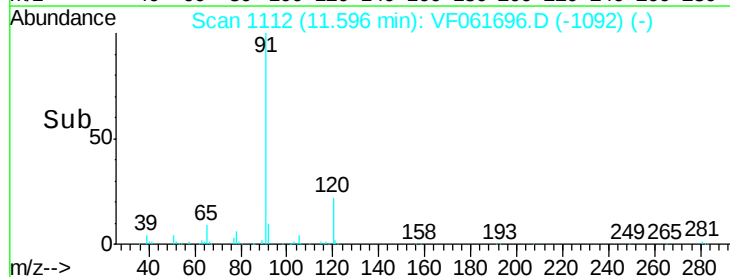
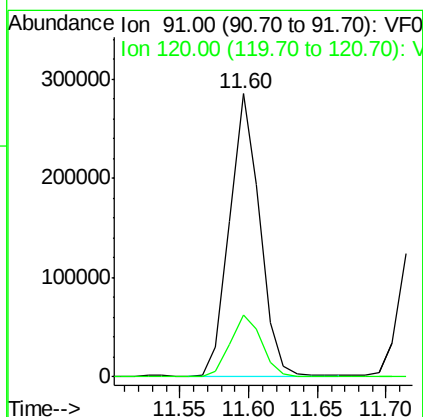
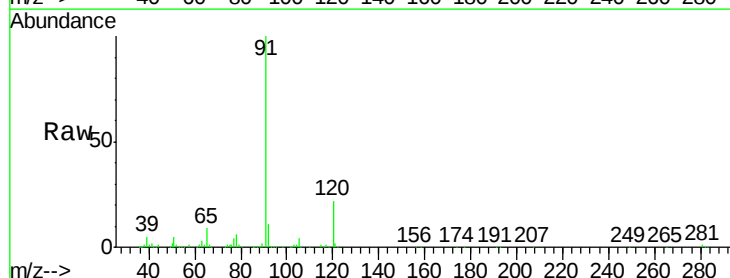
RT: 11.60 min Scan# 1112

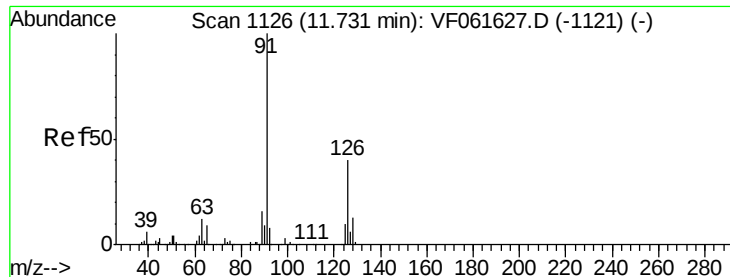
Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	91	Resp:	436361
Ion Ratio	Lower	Upper	
91	100		
120	21.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 21.363 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 91 Resp: 241320

Ion Ratio Lower Upper

91 100

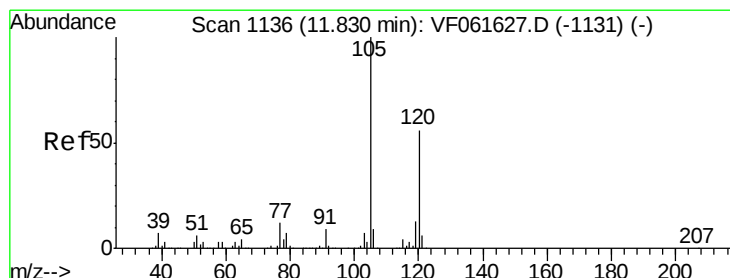
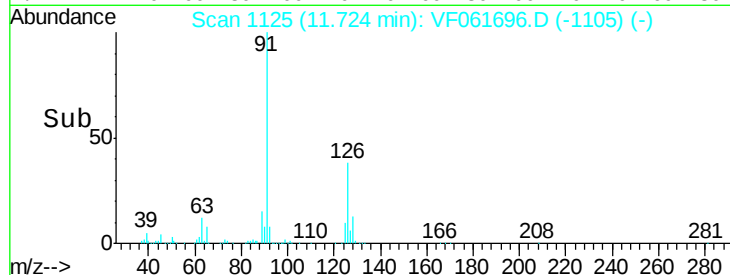
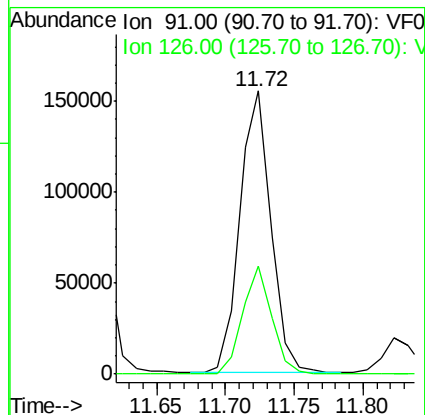
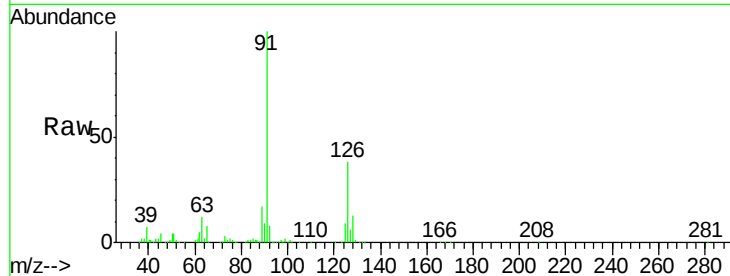
126 38.3 19.8 59.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.920 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061696.D

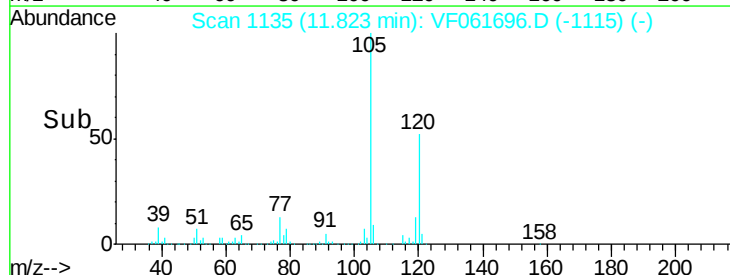
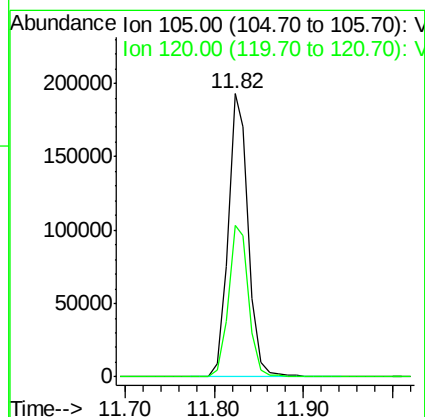
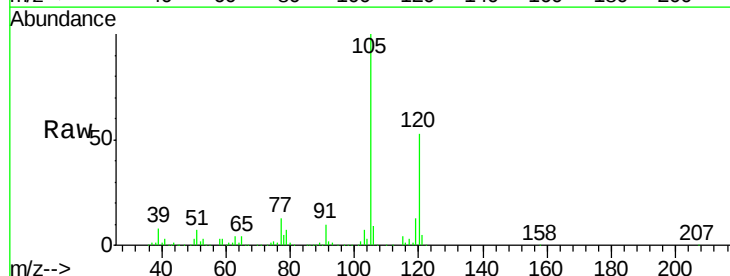
Acq: 21 Feb 2019 14:15

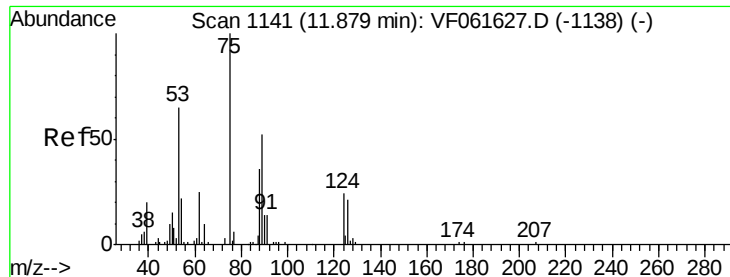
Tgt Ion: 105 Resp: 307932

Ion Ratio Lower Upper

105 100

120 53.3 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.442 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

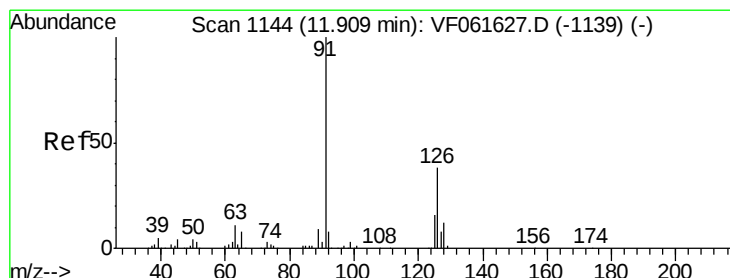
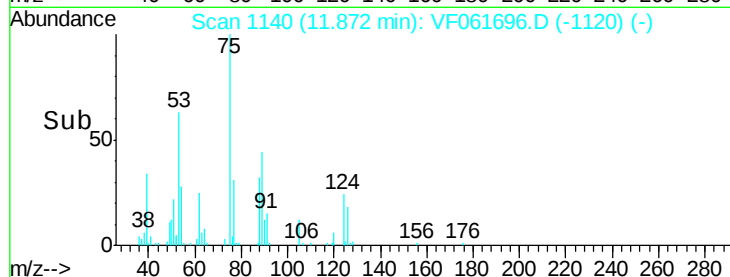
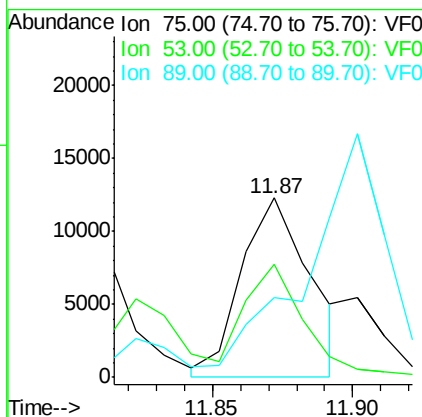
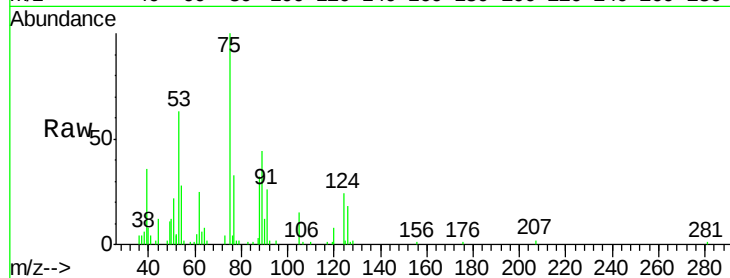
ClientSampleId :

VF0221SBS01

Tot Ion:	75	Resp:	20981
Ion Ratio	Lower	Upper	
75	100		
53	63.0	53.7	80.5
89	44.4	41.6	62.4

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#82

4-Chlorotoluene

Concen: 21.516 ug/l

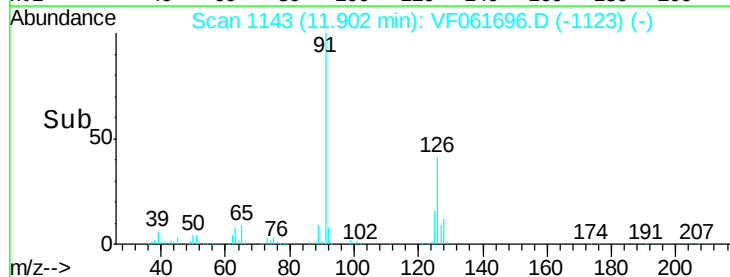
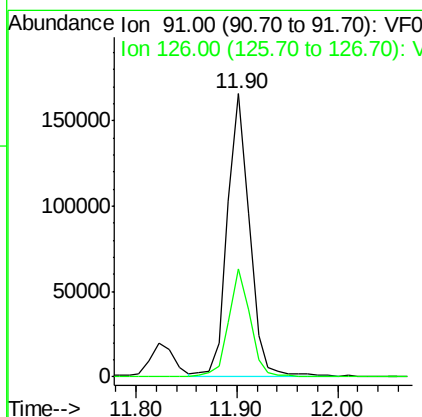
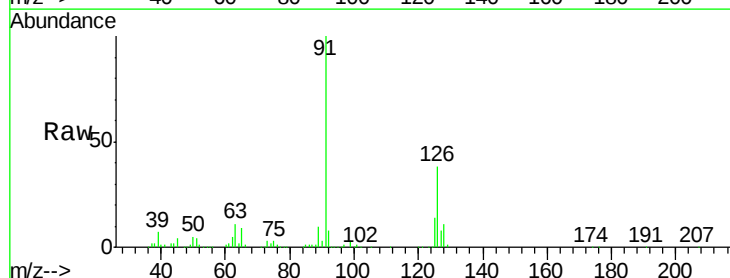
RT: 11.90 min Scan# 1143

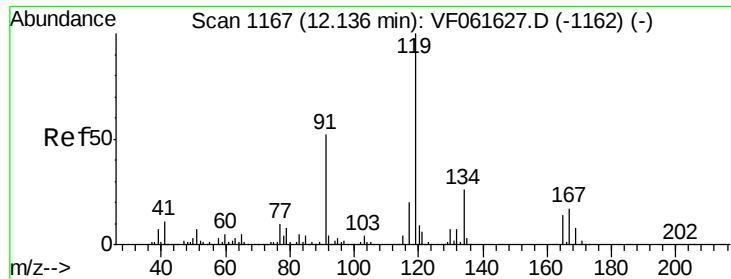
Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Tgt Ion:	91	Resp:	252262
Ion Ratio	Lower	Upper	
91	100		
126	38.1	19.1	57.1





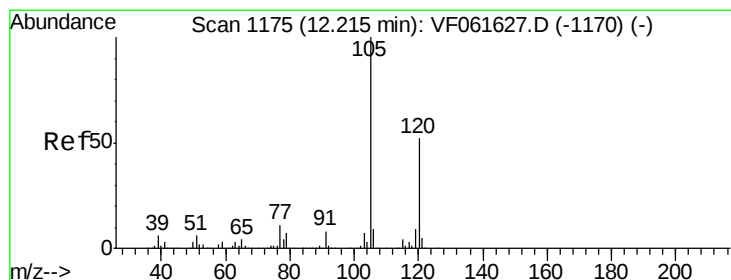
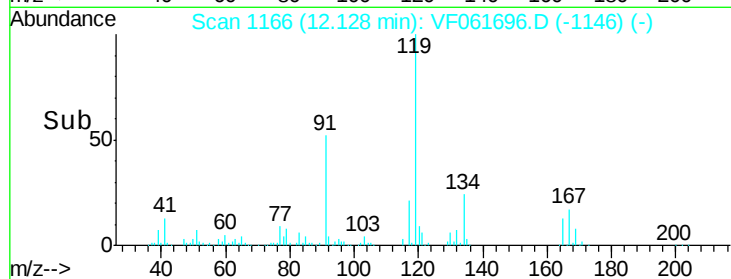
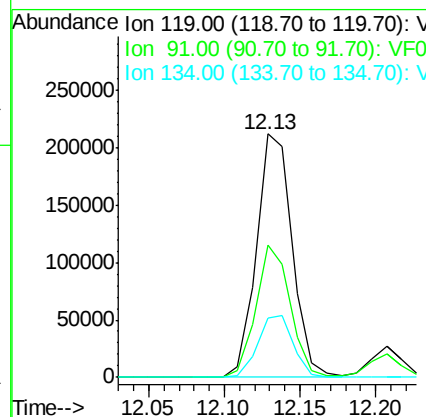
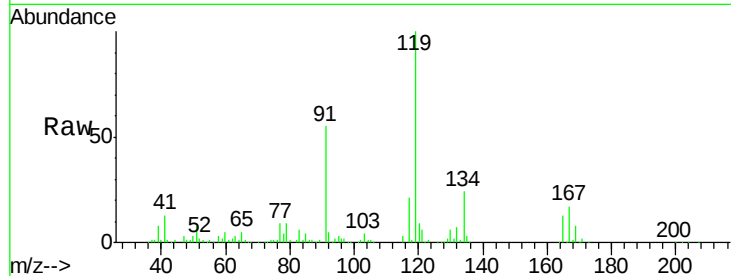
#83
tert-Butylbenzene
Concen: 22.502 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	350122		
91	54.5	26.3	78.8	
134	24.3	12.9	38.7	

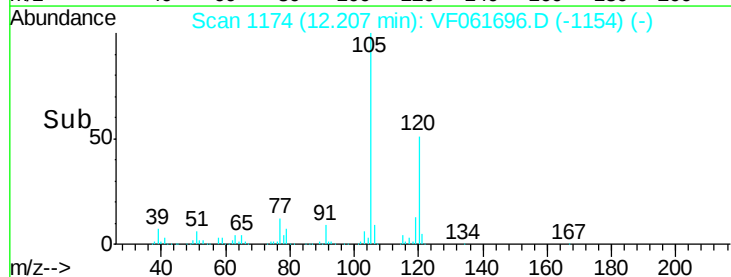
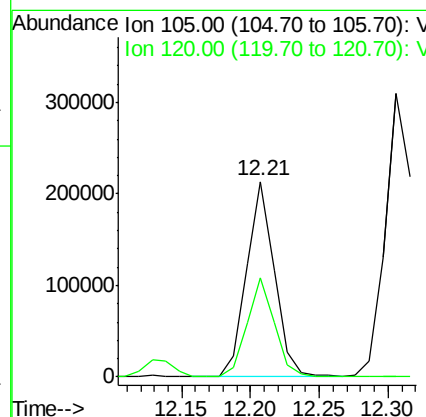
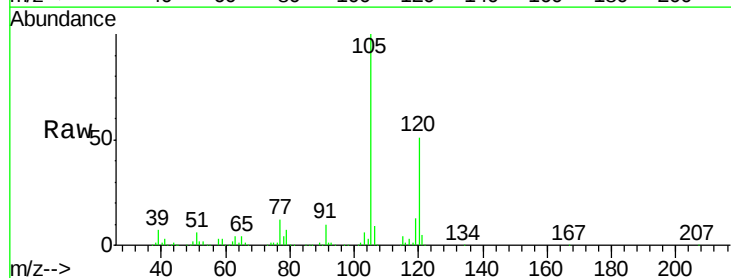
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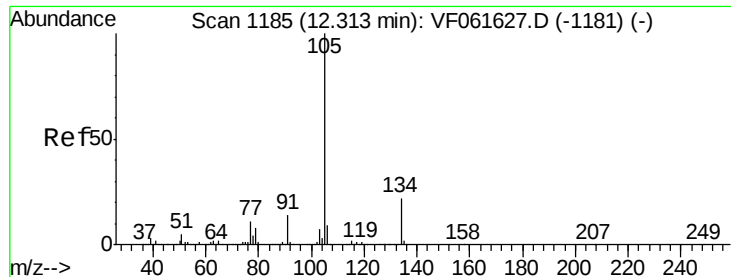
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#84
1,2,4-Trimethylbenzene
Concen: 21.700 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302853		
120	50.6	26.1	78.3	





#85

sec-Butylbenzene

Concen: 22.338 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion:105 Resp: 449464

Ion Ratio Lower Upper

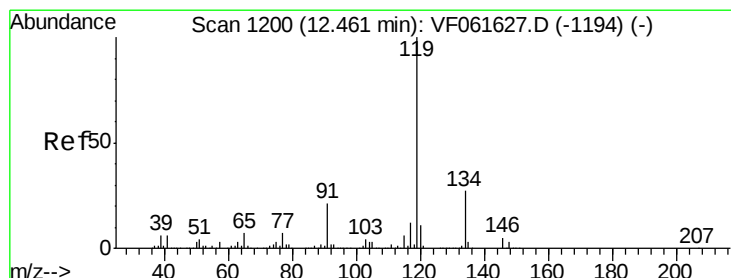
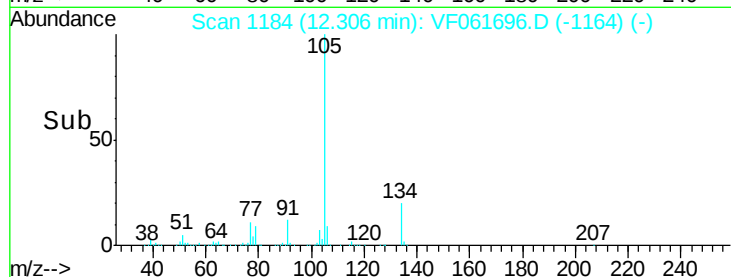
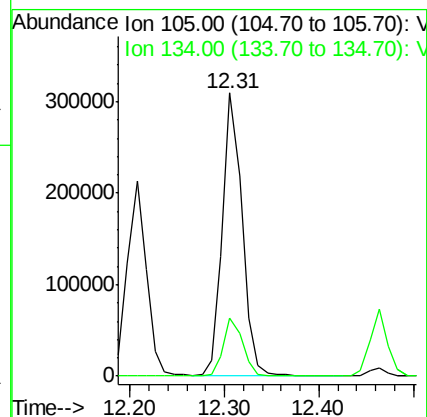
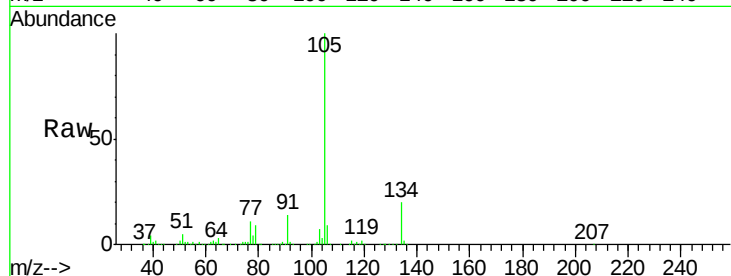
105 100

134 20.4 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 21.726 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061696.D

Acq: 21 Feb 2019 14:15

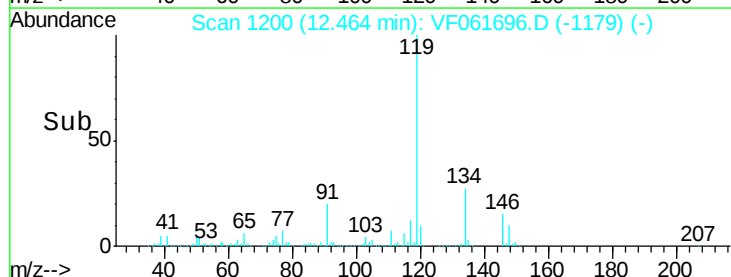
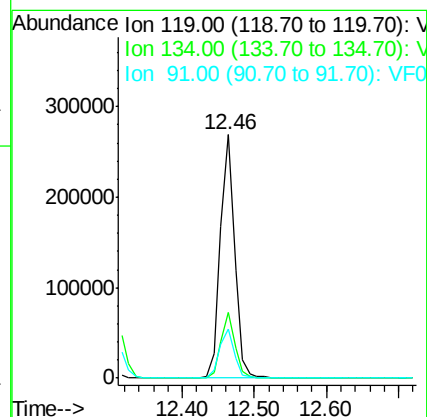
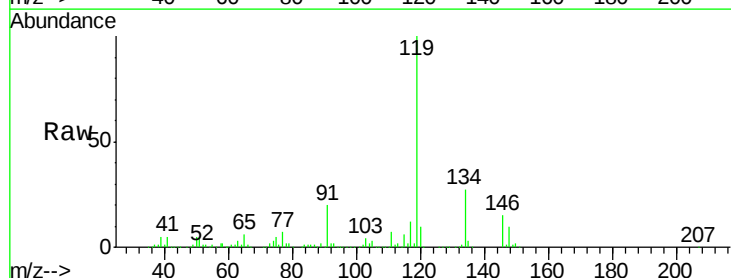
Tgt Ion:119 Resp: 366882

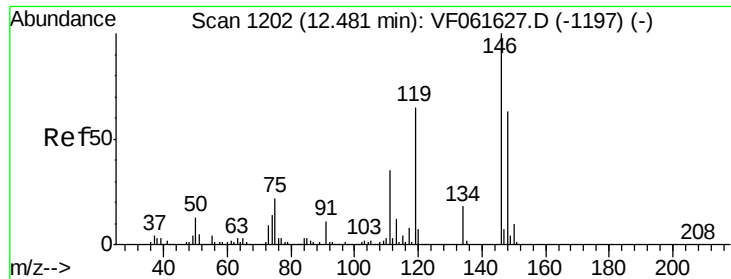
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 20.3 10.8 32.4





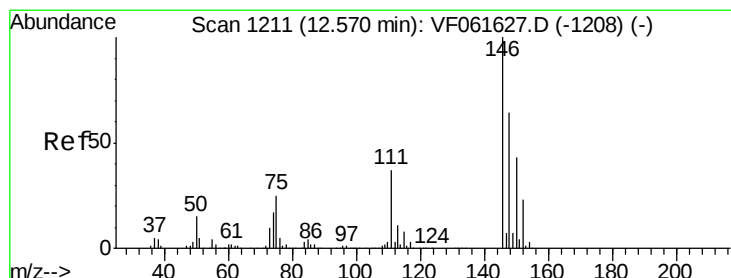
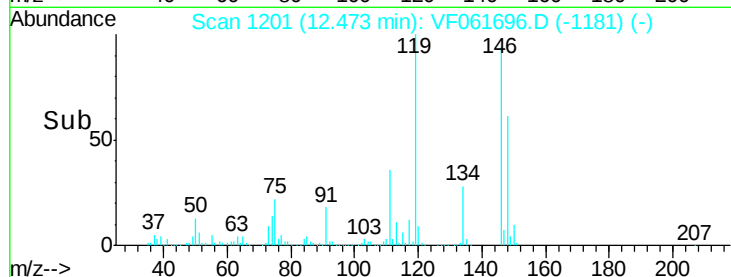
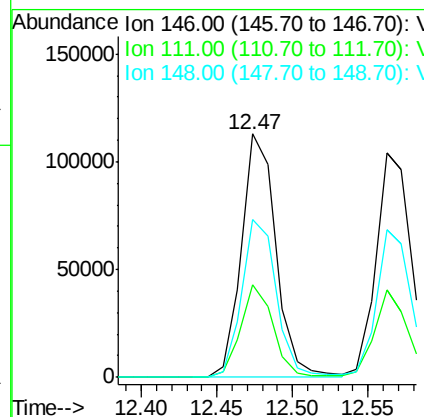
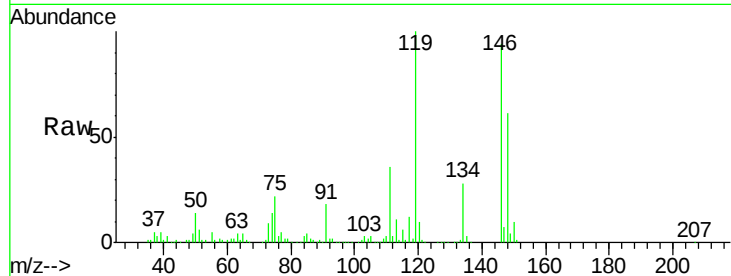
#87
 1,3-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	17.5	52.6
148	64.8	31.4	94.3

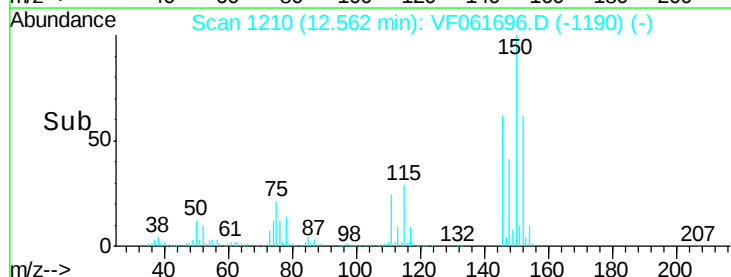
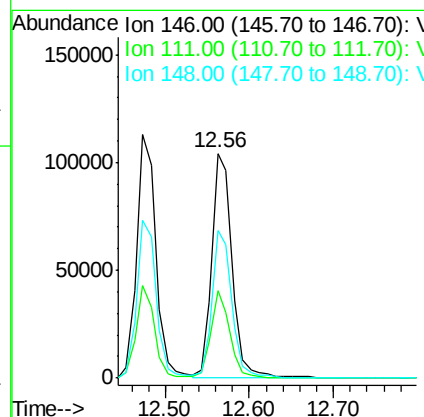
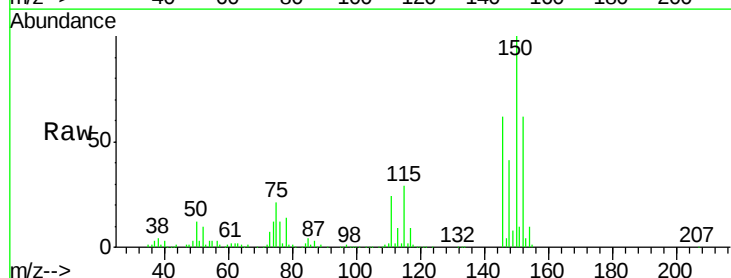
Manual Integrations
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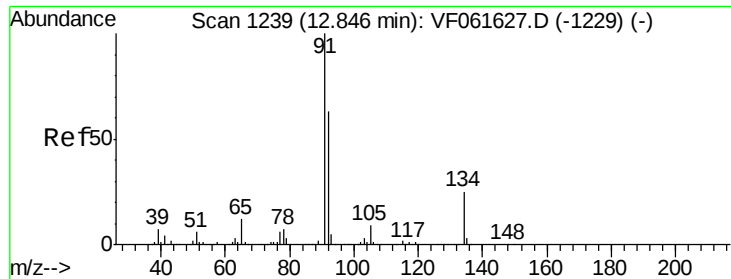
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#88
 1,4-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.4	55.4
148	65.8	32.2	96.6





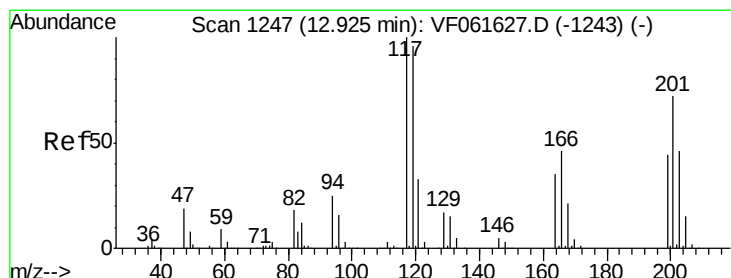
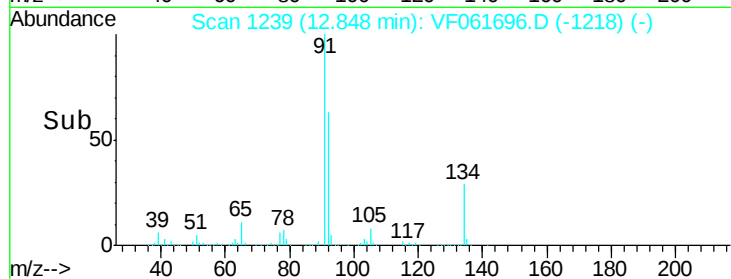
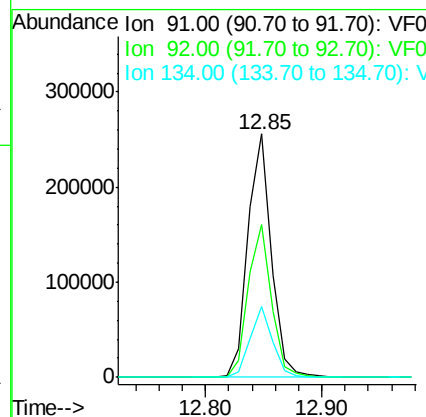
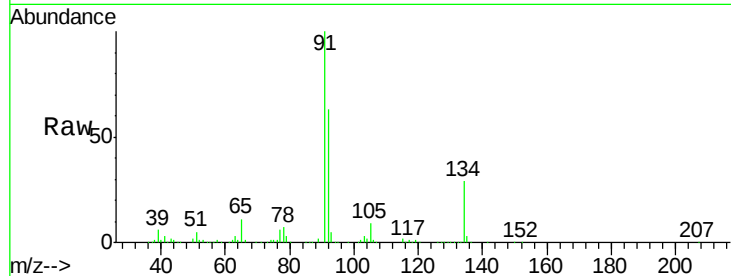
#89
n-Butylbenzene
Concen: 22.415 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	357425		
92	62.8		31.4	94.3
134	29.2		12.3	36.9

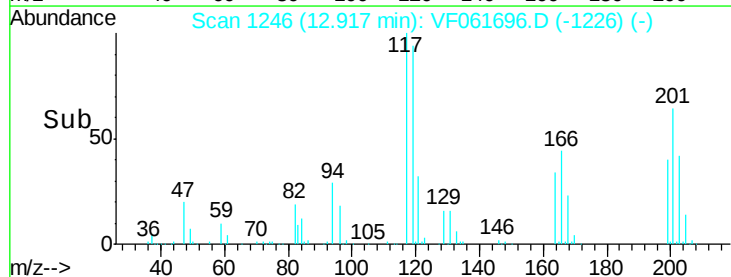
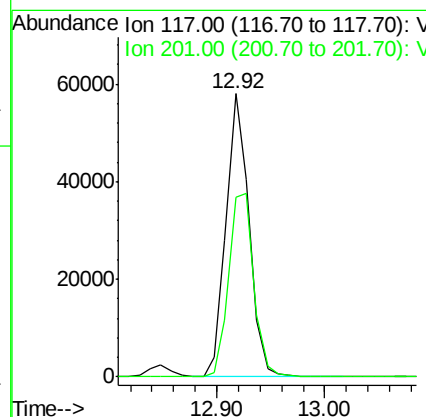
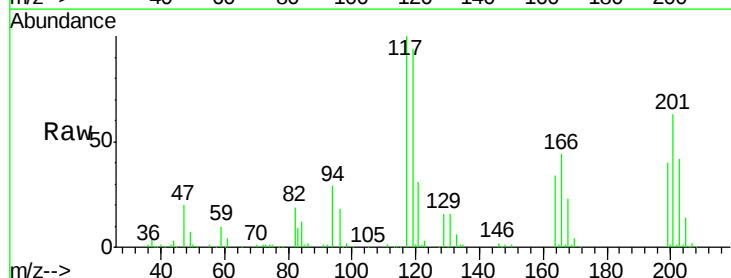
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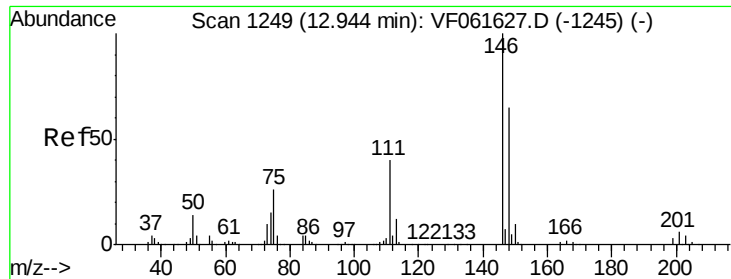
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#90
Hexachloroethane
Concen: 21.957 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	86233		
201	63.5		36.2	108.6





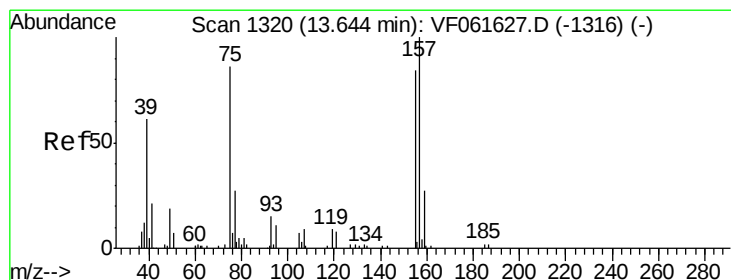
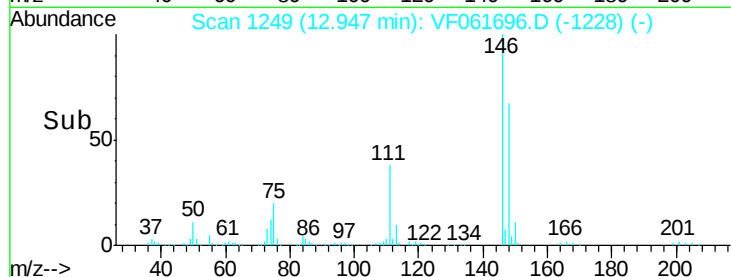
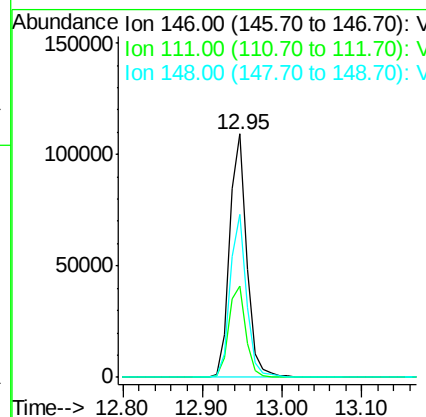
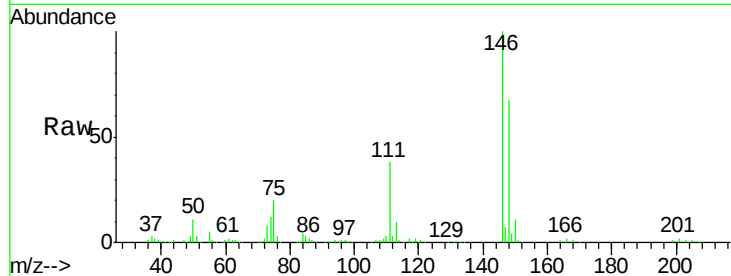
#91
 1,2-Dichlorobenzene
 Concen: 20.776 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.2	60.5
148	66.9	32.3	96.9

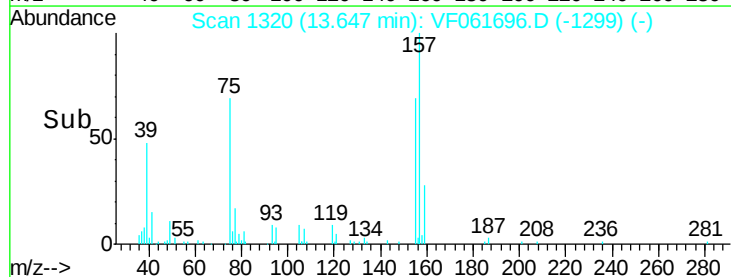
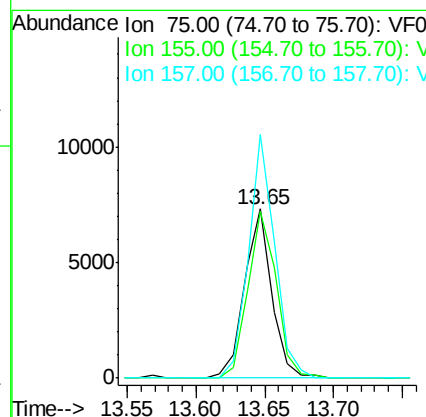
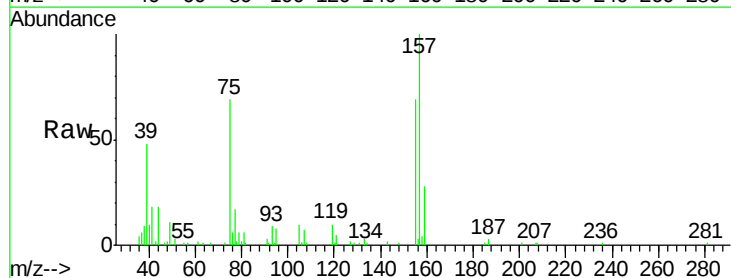
Manual Integrations
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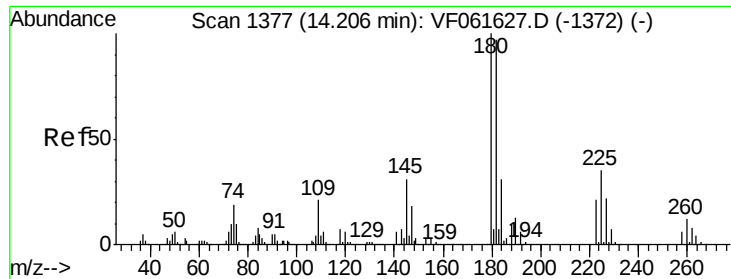
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.300 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.9	146.8
157	144.2	58.3	174.8





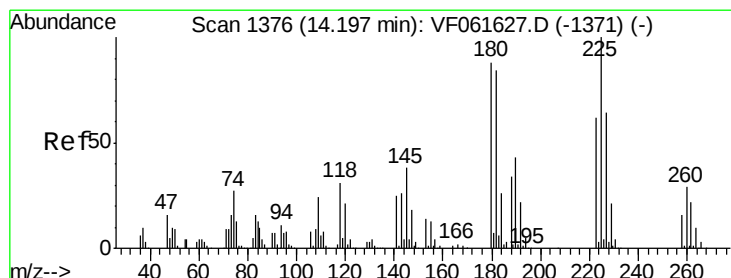
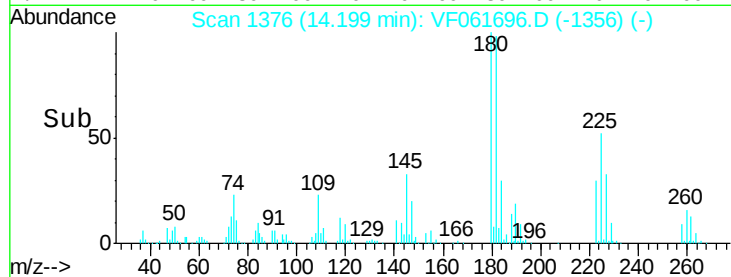
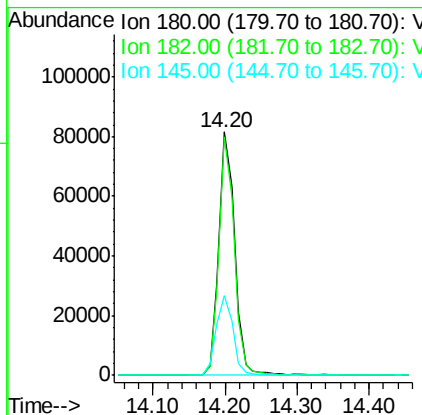
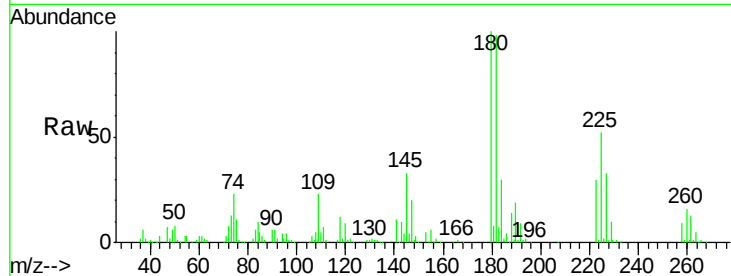
#93
 1,2,4-Trichlorobenzene
 Concen: 21.481 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.1	48.6	145.9	
145	32.9	15.3	45.9	

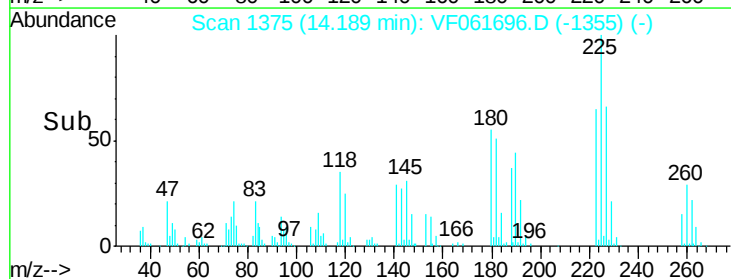
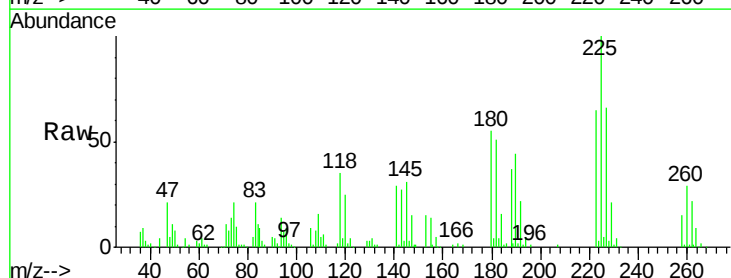
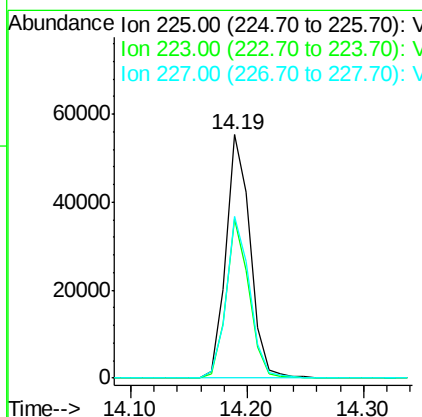
Manual Integrations
 APPROVED

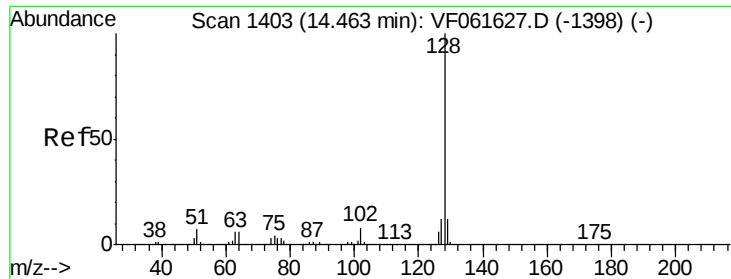
MMDadoda
 2/22/2019 12:27:56 PM



#94
 Hexachlorobutadiene
 Concen: 22.339 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061696.D
 Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	30.9	92.7	
227	66.5	32.1	96.3	





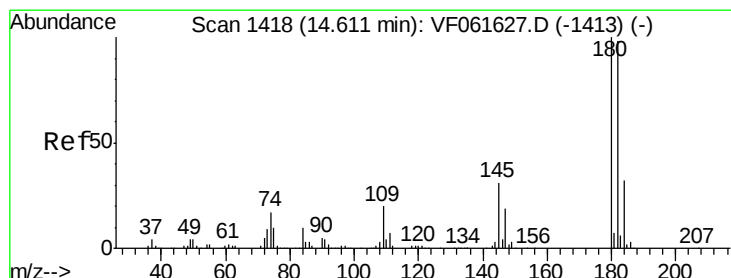
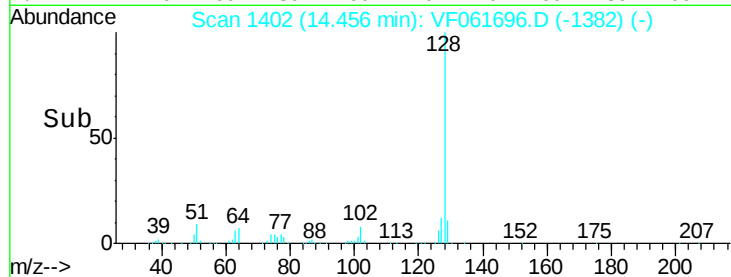
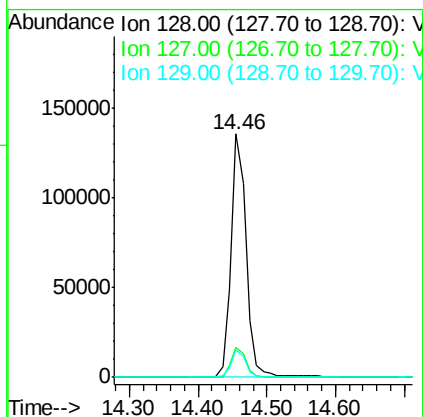
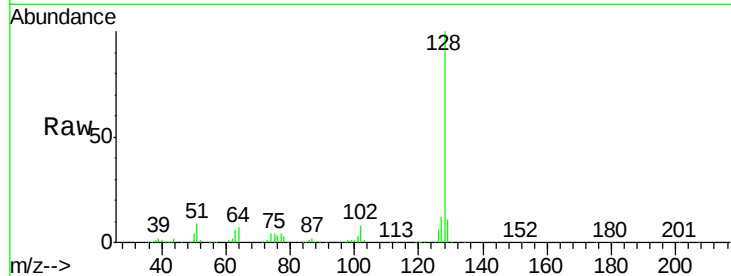
#95
Naphthalene
Concen: 20.444 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	206434		
127	12.0		9.8	14.6
129	11.0		9.4	14.2

Manual Integrations
APPROVED

MMDadoda
2/22/2019 12:27:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.502 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061696.D
Acq: 21 Feb 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113901		
182	95.8		49.0	147.2
145	31.5		15.4	46.1

