

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061494.D
 Acq On : 24 Jan 2019 12:18
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:26:28 AM

Quant Time: Jan 25 04:30:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	212180	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	385501	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.81	117	319008	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	161502	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	107009	40.85	ug/l	0.04
Spiked Amount	50.000		Recovery	=	81.70%	
35) Dibromofluoromethane	4.14	113	134028	44.06	ug/l	0.04
Spiked Amount	50.000		Recovery	=	88.12%	
50) Toluene-d8	7.59	98	354529	42.54	ug/l	0.04
Spiked Amount	50.000		Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.43	95	160602	41.24	ug/l	0.03
Spiked Amount	50.000		Recovery	=	82.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	66502	15.951	ug/l	93
3) Chloromethane	1.11	50	58405	19.106	ug/l	95
4) Vinyl Chloride	1.16	62	47315	17.400	ug/l	94
5) Bromomethane	1.34	94	28793	16.238	ug/l	95
6) Chloroethane	1.40	64	22377	18.571	ug/l	93
7) Trichlorofluoromethane	1.49	101	80860m	15.296	ug/l	
8) Diethyl Ether	1.65	74	13013	19.211	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	40888	16.097	ug/l	93
10) Methyl Iodide	1.92	142	67875m	17.237	ug/l	
11) Tert butyl alcohol	2.60	59	9906	89.336	ug/l #	83
12) 1,1-Dichloroethene	1.82	96	33133	17.557	ug/l	92
13) Acrolein	2.02	56	6199	72.558	ug/l	93
14) Allyl chloride	2.11	41	50730	21.520	ug/l	90
15) Acrylonitrile	2.97	53	23785	83.741	ug/l	94
16) Acetone	2.26	43	63990	121.763	ug/l	98
17) Carbon Disulfide	1.86	76	100119m	17.015	ug/l	
18) Methyl Acetate	2.37	43	19748	18.948	ug/l	98
19) Methyl tert-butyl Ether	2.46	73	73487	17.371	ug/l	99
20) Methylene Chloride	2.20	84	37265m	19.829	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	35046	16.879	ug/l	94
22) Diisopropyl ether	2.83	45	130192	19.386	ug/l	95
23) Vinyl Acetate	3.22	43	299248	103.207	ug/l	98
24) 1,1-Dichloroethane	2.89	63	73472	17.432	ug/l	97
25) 2-Butanone	4.37	43	98787	113.037	ug/l	98
26) 2,2-Dichloropropane	3.63	77	45439	17.547	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	57843	18.873	ug/l	94
28) Bromochloromethane	3.76	49	34449	18.183	ug/l	98
29) Tetrahydrofuran	4.10	42	38999	103.635	ug/l	98
30) Chloroform	3.89	83	107789	18.949	ug/l	100
31) Cyclohexane	3.72	56	82756m	19.656	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	65115	15.612	ug/l	97
36) 1,1-Dichloropropene	4.31	75	82388	18.433	ug/l	95
37) Ethyl Acetate	4.14	43	34059	19.063	ug/l #	82
38) Carbon Tetrachloride	4.03	117	61445	15.725	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	83142	17.164	ug/l	95
40) Benzene	4.67	78	187589	18.861	ug/l	99
41) Methacrylonitrile	4.78	41	18539	19.500	ug/l #	88
42) 1,2-Dichloroethane	4.97	62	62328	17.586	ug/l	96
43) Isopropyl Acetate	7.00	43	40198	17.926	ug/l #	98
44) Trichloroethene	5.54	130	56048	18.370	ug/l	97
45) 1,2-Dichloropropane	6.27	63	48239	18.480	ug/l	99
46) Dibromomethane	6.12	93	29173	16.808	ug/l	94
47) Bromodichloromethane	6.42	83	75672	17.621	ug/l	97
48) Methyl methacrylate	6.75	41	28263	18.770	ug/l	97
49) 1,4-Dioxane	6.75	88	4340	369.111	ug/l	89
51) 4-Methyl-2-Pentanone	8.29	43	153102	92.872	ug/l	98
52) Toluene	7.66	92	119001	18.169	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	60358	17.700	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	79552	18.663	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	34320	18.452	ug/l	92
56) Ethyl methacrylate	8.65	69	36574	16.902	ug/l	87
57) 1,3-Dichloropropane	8.89	76	60707	17.414	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.33	63	29475	143.117	ug/l	99
59) 2-Hexanone	9.52	43	122154	106.262	ug/l	91
60) Dibromochloromethane	8.75	129	49610	18.245	ug/l	95
61) 1,2-Dibromoethane	9.02	107	36688	17.231	ug/l	99
64) Tetrachloroethene	8.19	164	45834	19.106	ug/l	96
65) Chlorobenzene	9.84	112	121182	18.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	50802	19.658	ug/l	95
67) Ethyl Benzene	9.93	91	230922	19.483	ug/l	98
68) m/p-Xylenes	10.16	106	168030	39.416	ug/l	92
69) o-Xylene	10.74	106	93080	20.146	ug/l	92
70) Styrene	10.81	104	129171	20.424	ug/l	100
71) Bromoform	10.80	173	24328	20.952	ug/l #	91
73) Isopropylbenzene	11.15	105	281203	21.408	ug/l	99
74) N-amyl acetate	11.39	43	69894	22.503	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	48763	20.839	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	35378	21.041	ug/l	98
77) Bromobenzene	11.52	156	56054	20.207	ug/l	95
78) n-propylbenzene	11.62	91	327054	19.077	ug/l	99
79) 2-Chlorotoluene	11.74	91	181633	19.930	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	225252	21.250	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	14760m	20.194	ug/l	
82) 4-Chlorotoluene	11.93	91	189684	20.625	ug/l	98
83) tert-Butylbenzene	12.15	119	225864	20.586	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	218308	19.994	ug/l	97
85) sec-Butylbenzene	12.33	105	307316	20.626	ug/l	98
86) p-Isopropyltoluene	12.48	119	261626	21.390	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	111152	19.050	ug/l	100
88) 1,4-Dichlorobenzene	12.59	146	103947	19.830	ug/l	96
89) n-Butylbenzene	12.86	91	262381	20.801	ug/l	96
90) Hexachloroethane	12.94	117	60706	21.055	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	103290	19.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7924	19.092	ug/l	75

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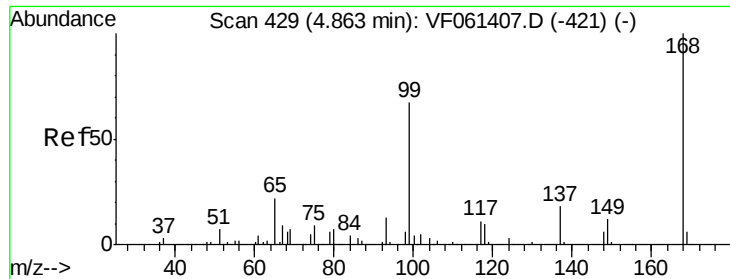
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	71826	19.758	ug/l	98
94) Hexachlorobutadiene	14.22	225	43036	19.078	ug/l	96
95) Naphthalene	14.48	128	128930	18.667	ug/l	96
96) 1,2,3-Trichlorobenzene	14.62	180	63490	18.867	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion:168 Resp: 212180

Ion Ratio Lower Upper

168 100

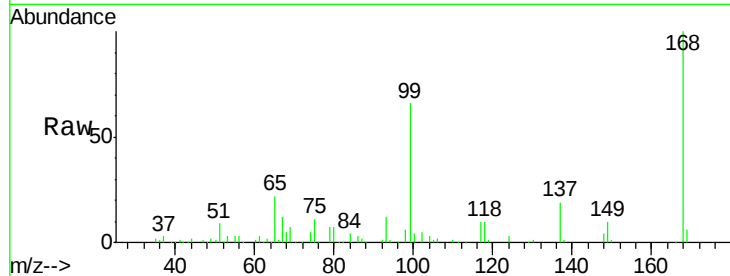
99 66.3 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

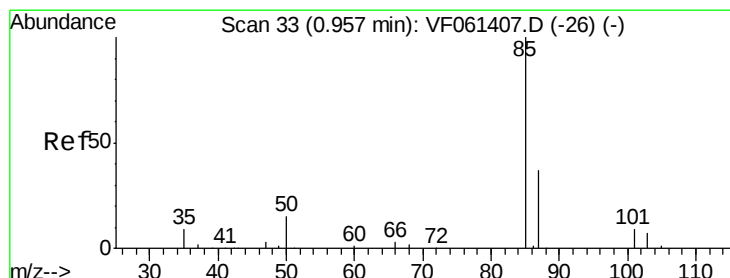
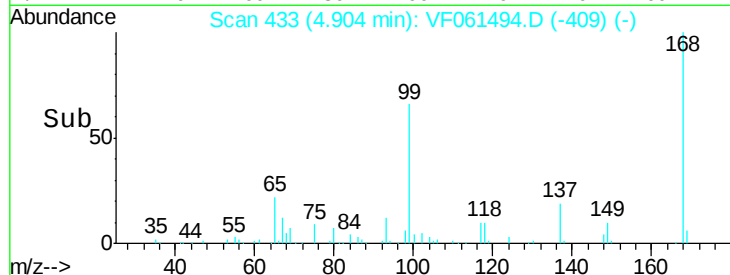
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.951 ug/l

RT: 0.98 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061494.D

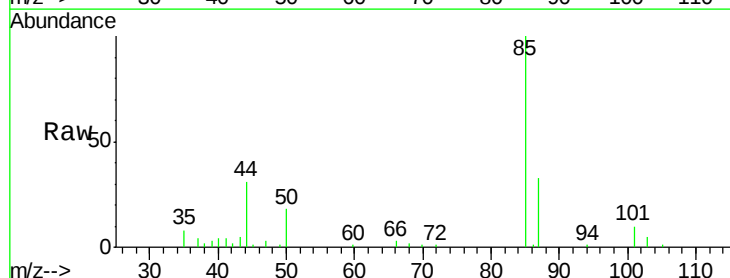
Acq: 24 Jan 2019 12:18

Tgt Ion: 85 Resp: 66502

Ion Ratio Lower Upper

85 100

87 32.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

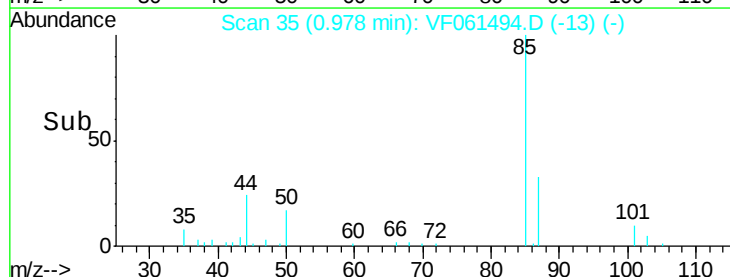
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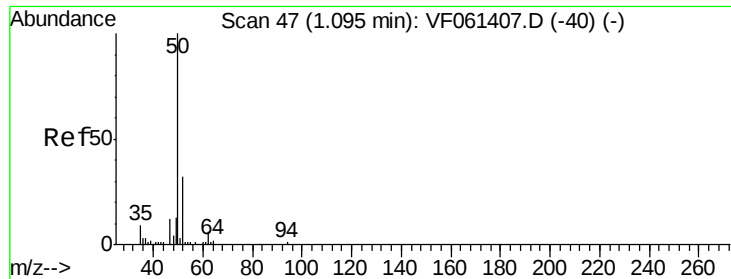
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.106 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 50 Resp: 58405

Ion Ratio Lower Upper

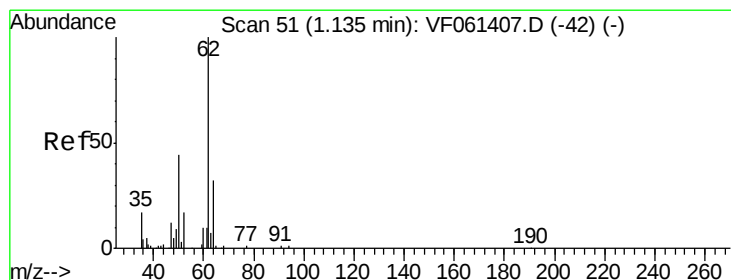
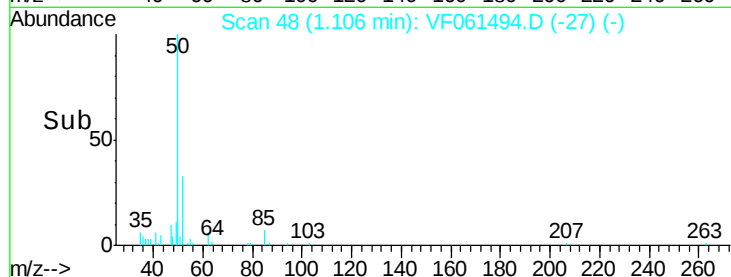
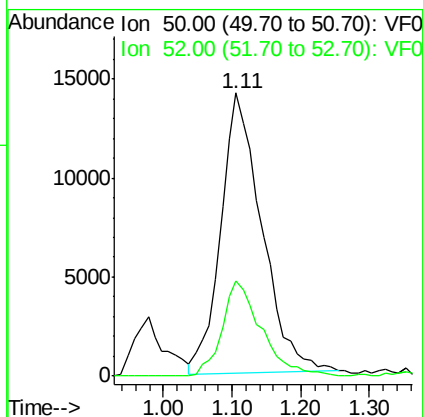
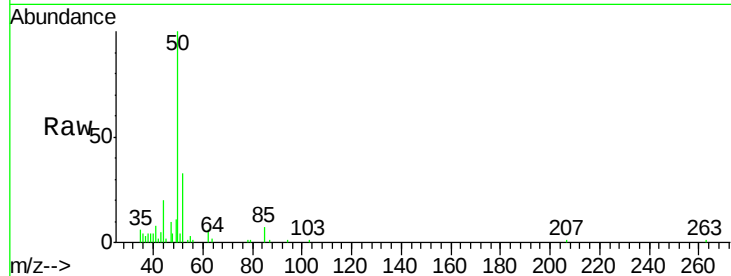
50 100

52 33.4 24.6 36.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.400 ug/l

RT: 1.16 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061494.D

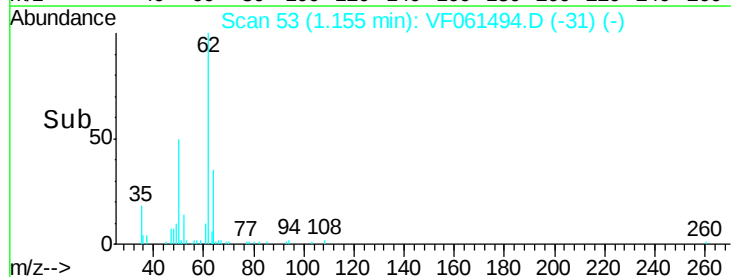
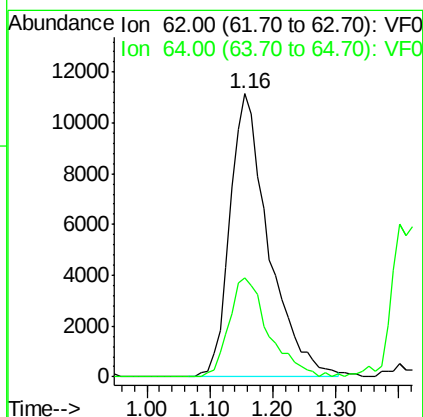
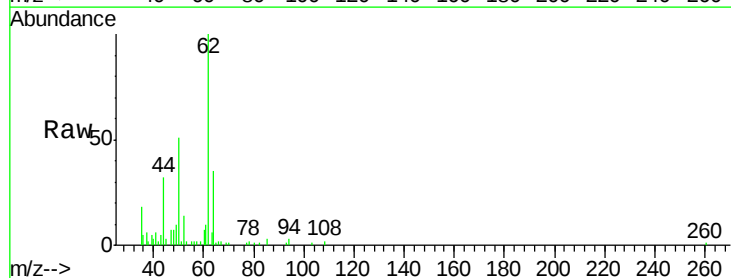
Acq: 24 Jan 2019 12:18

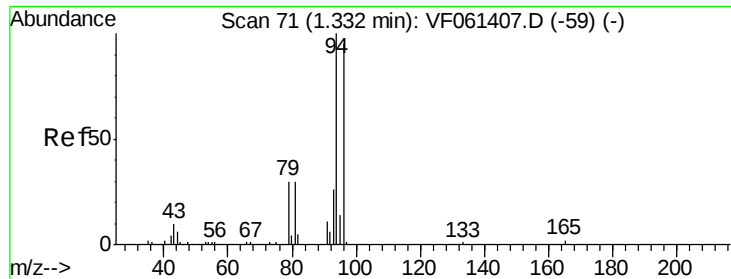
Tgt Ion: 62 Resp: 47315

Ion Ratio Lower Upper

62 100

64 35.1 25.6 38.4





#5

Bromomethane

Concen: 16.238 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 94 Resp: 28793

Ion Ratio Lower Upper

94 100

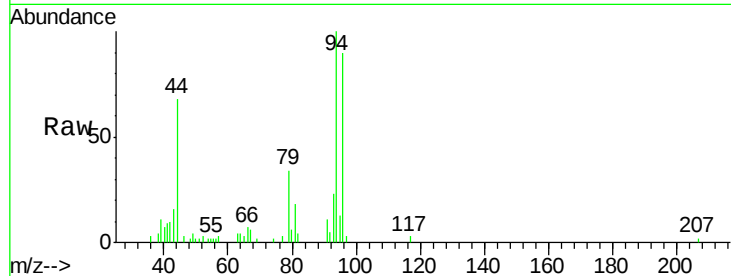
96 90.3 76.0 114.0

Manual Integrations

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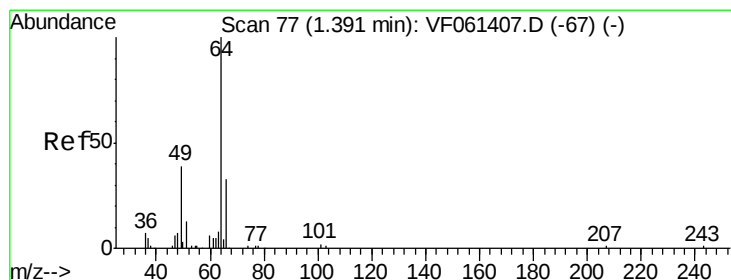
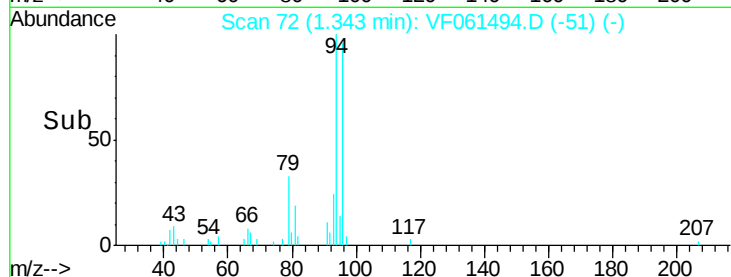
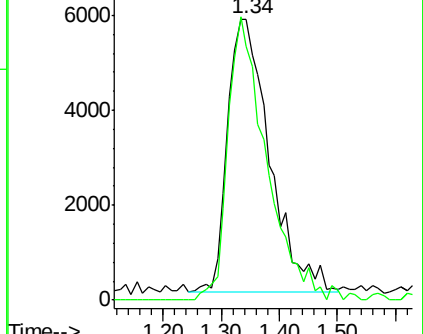
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 18.571 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061494.D

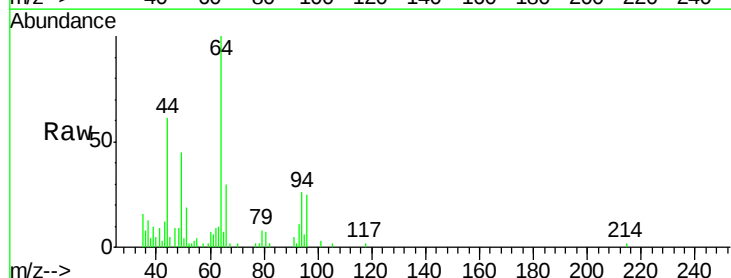
Acq: 24 Jan 2019 12:18

Tgt Ion: 64 Resp: 22377

Ion Ratio Lower Upper

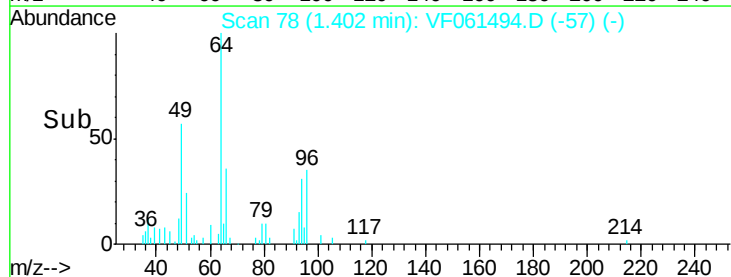
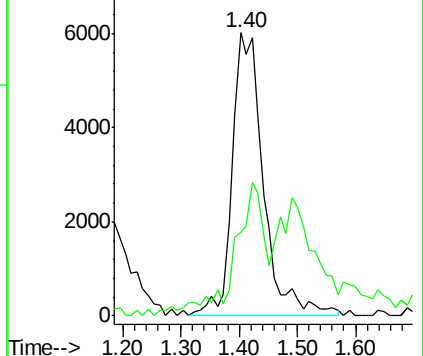
64 100

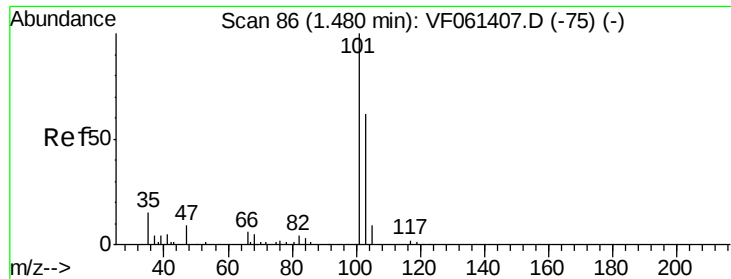
66 29.5 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

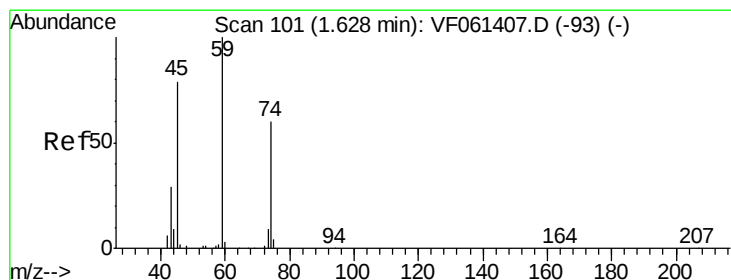
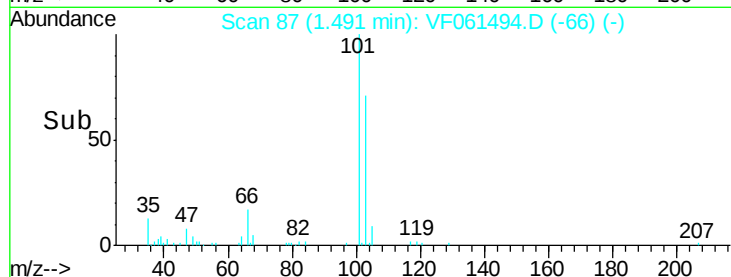
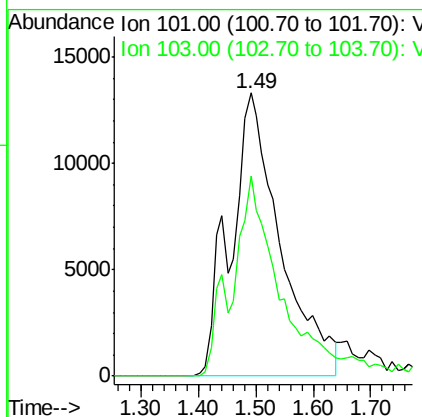
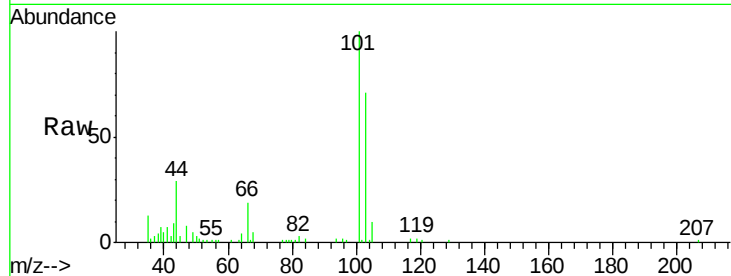
Trichlorofluoromethane
 Concen: 15.296 ug/l m
 RT: 1.49 min Scan# 87
 Delta R.T. 0.01 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

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 VF0124SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		80860		
103	70.6	49.7	74.5		

Manual Integrations
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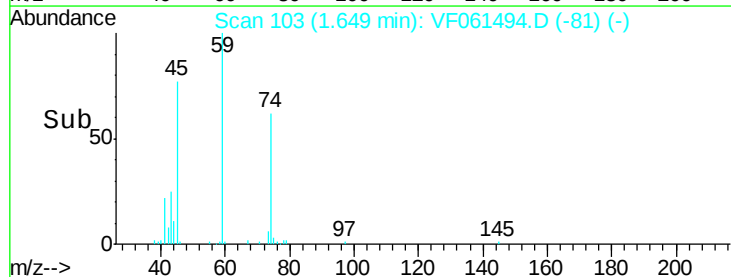
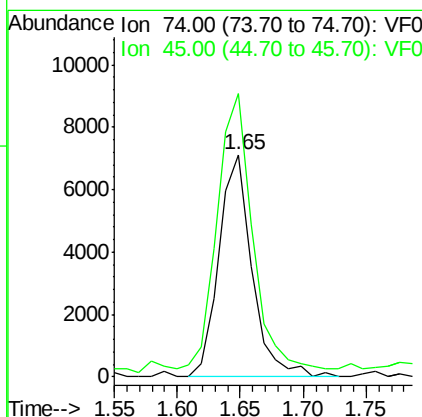
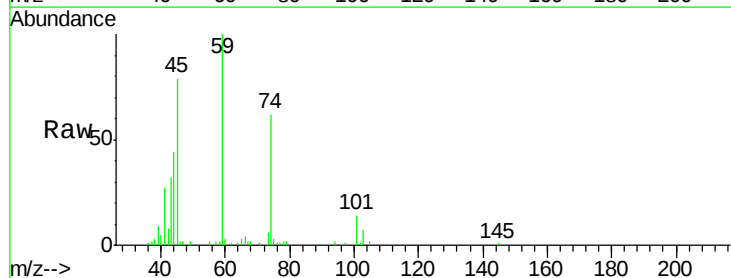
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#8

Diethyl Ether
 Concen: 19.211 ug/l
 RT: 1.65 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		13013		
45	127.2	65.8	197.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.097 ug/l

RT: 1.86 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

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MSVOA_F

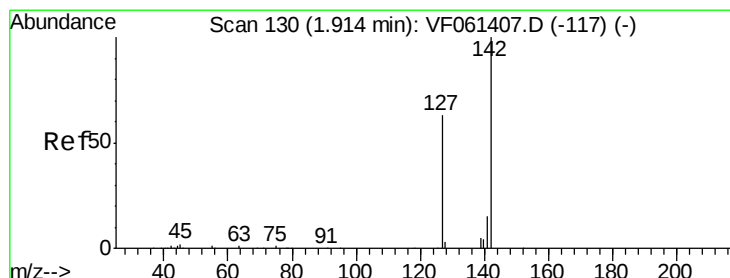
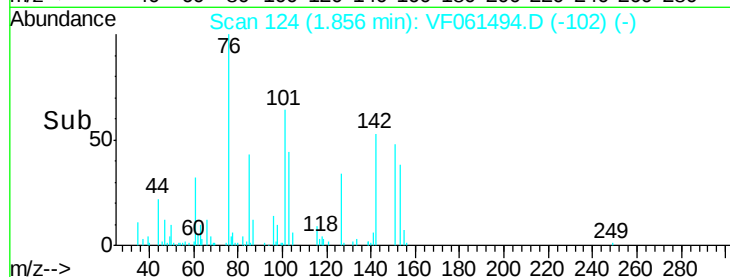
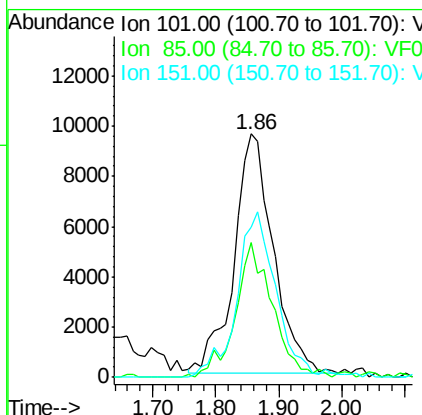
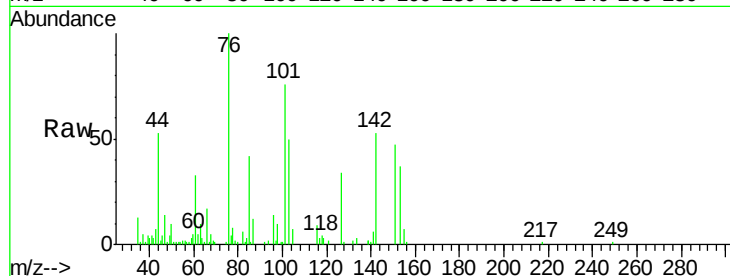
ClientSampleId :

VF0124SBS01

Tot Ion:	101	Resp:	40888
Ion Ratio	Lower	Upper	
101	100		
85	55.2	41.9	62.9
151	61.7	55.1	82.7

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#10

Methyl Iodide

Concen: 17.237 ug/l m

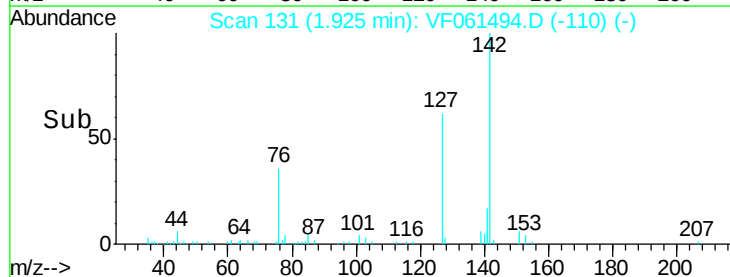
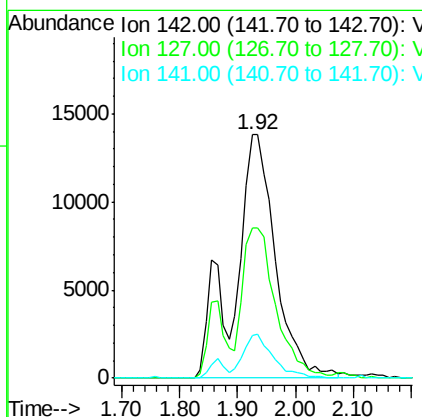
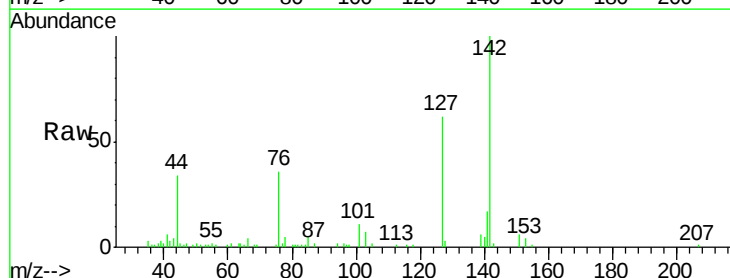
RT: 1.92 min Scan# 131

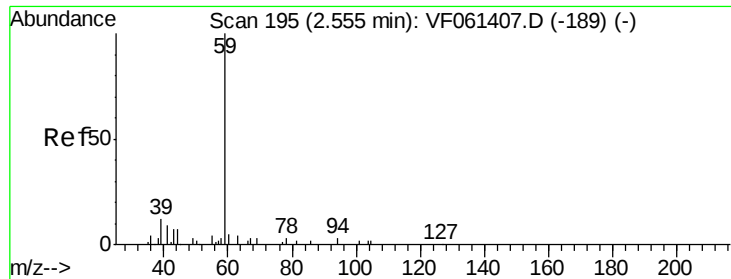
Delta R.T. 0.01 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	142	Resp:	67875
Ion Ratio	Lower	Upper	
142	100		
127	61.8	50.7	76.1
141	17.5	11.8	17.6





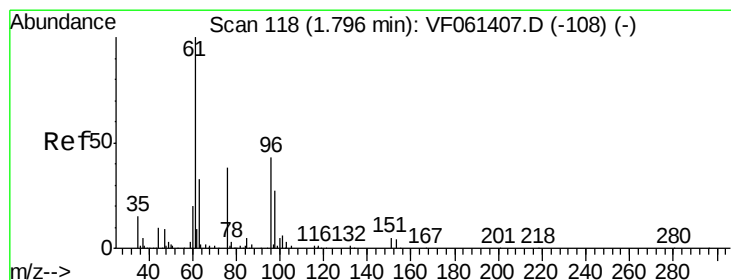
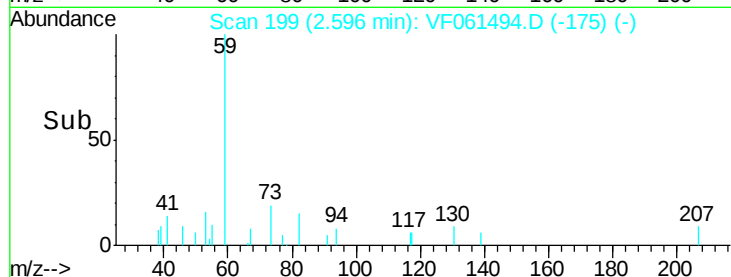
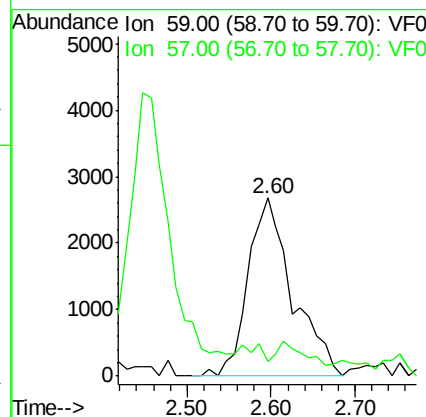
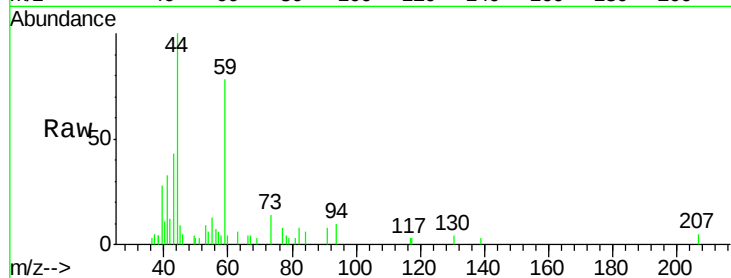
#11
Tert butyl alcohol
Concen: 89.336 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion: 59 Resp: 9906
Ion Ratio Lower Upper
59 100
57 7.9 11.9 17.9#

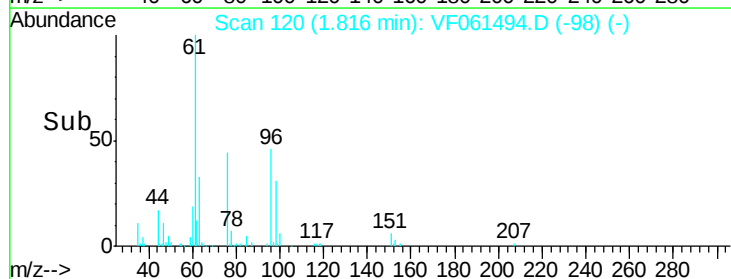
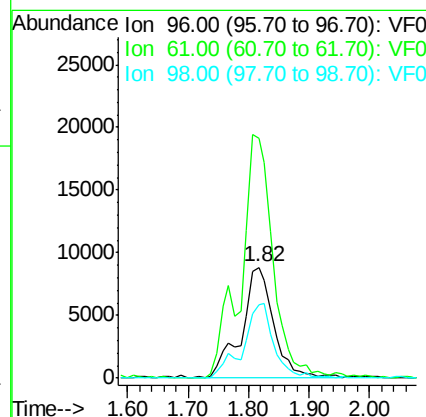
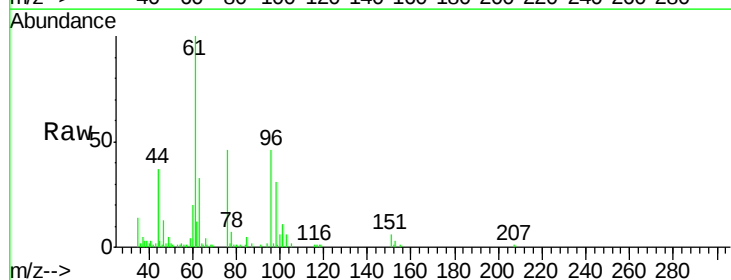
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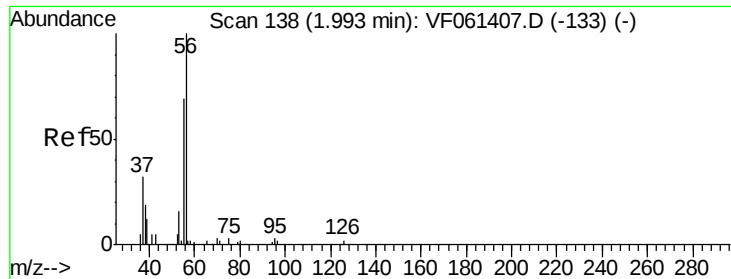
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.557 ug/l
RT: 1.82 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 96 Resp: 33133
Ion Ratio Lower Upper
96 100
61 217.2 186.9 280.3
98 66.4 53.0 79.4





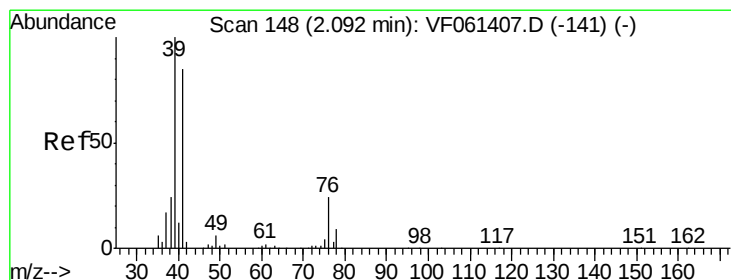
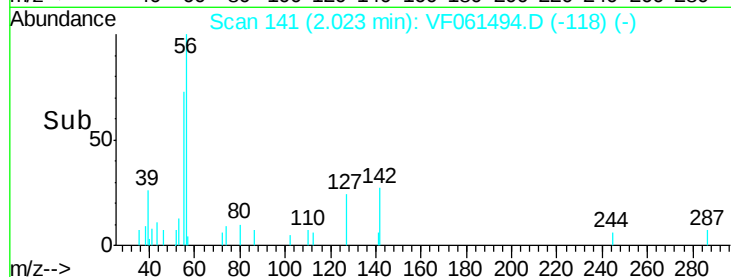
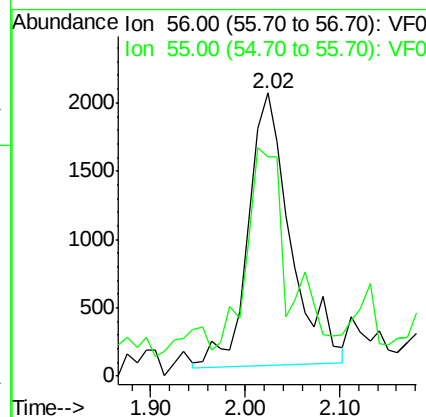
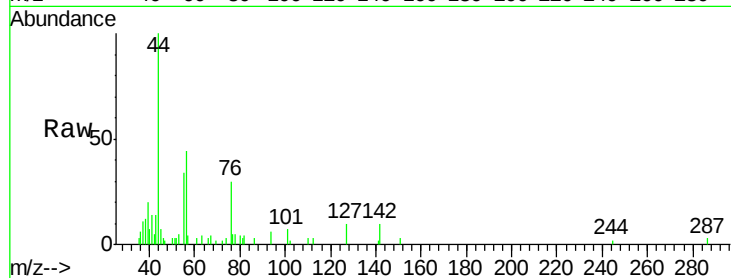
#13
Acrolein
Concen: 72.558 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion: 56 Resp: 6199
Ion Ratio Lower Upper
56 100
55 77.5 57.5 86.3

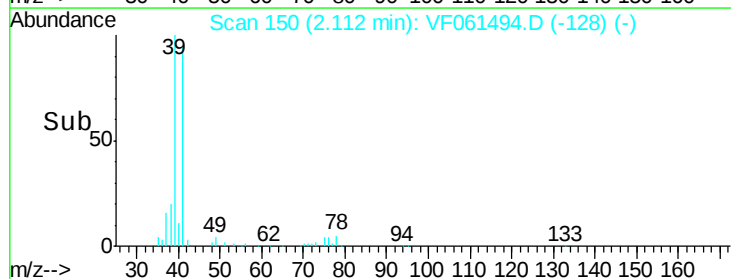
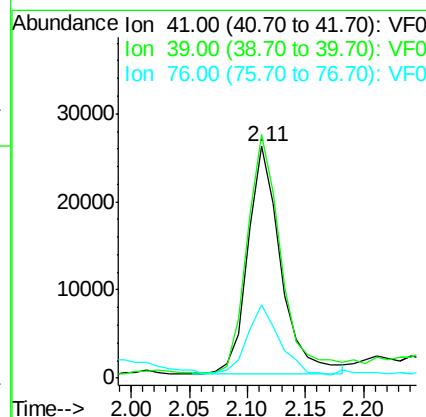
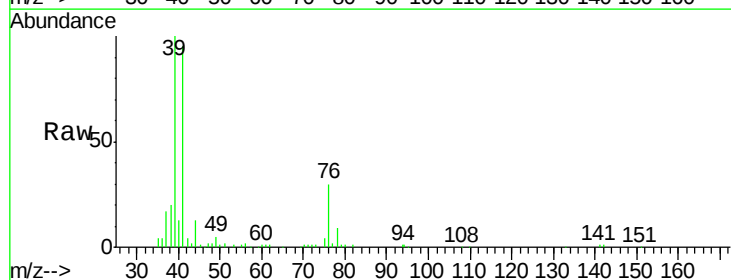
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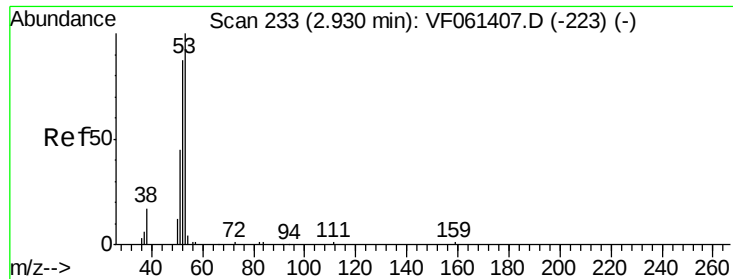
MMDadoda
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#14
Allyl chloride
Concen: 21.520 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 41 Resp: 50730
Ion Ratio Lower Upper
41 100
39 105.1 94.6 141.8
76 31.7 25.9 38.9





#15

Acrylonitrile

Concen: 83.741 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

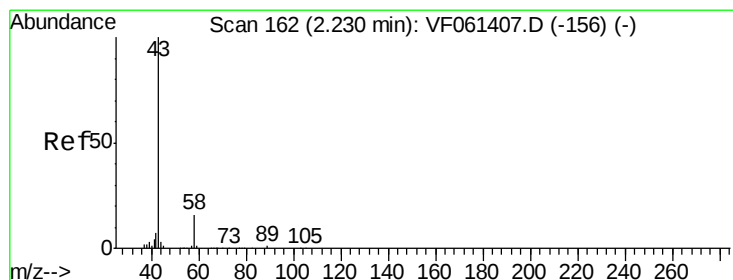
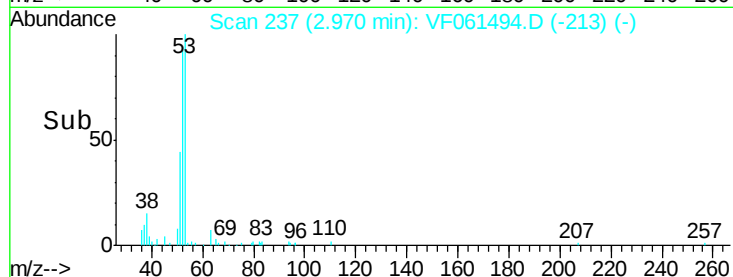
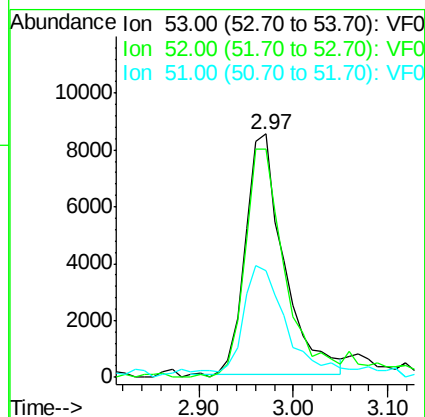
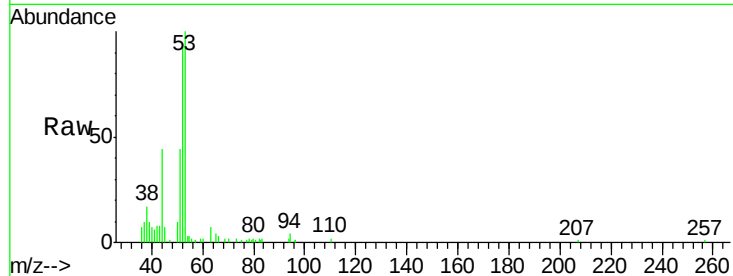
ClientSampleId :

VF0124SBS01

Tot Ion:	53	Resp:	23785
Ion	Ratio	Lower	Upper
53	100		
52	93.8	69.6	104.4
51	43.9	36.8	55.2

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#16

Acetone

Concen: 121.763 ug/l

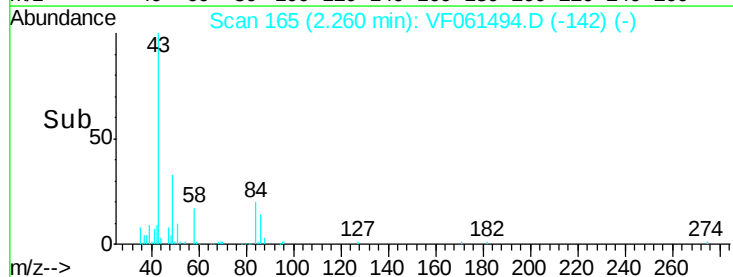
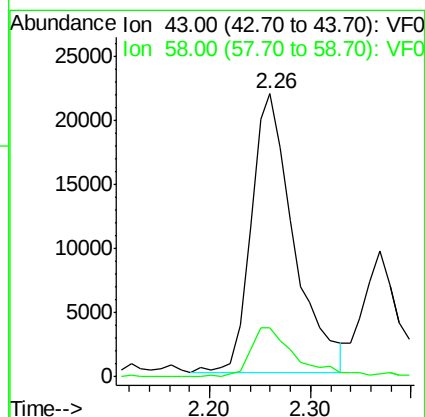
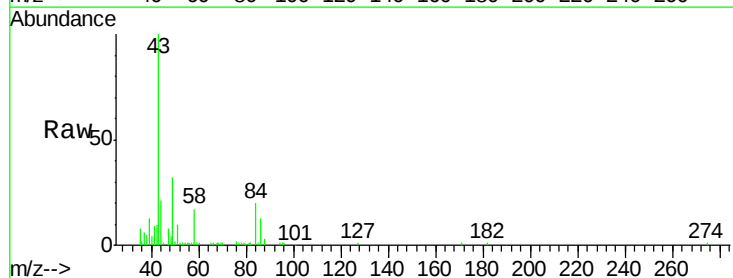
RT: 2.26 min Scan# 165

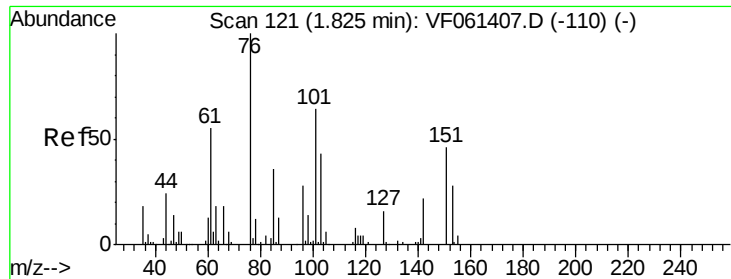
Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	43	Resp:	63990
Ion	Ratio	Lower	Upper
43	100		
58	17.3	13.3	19.9





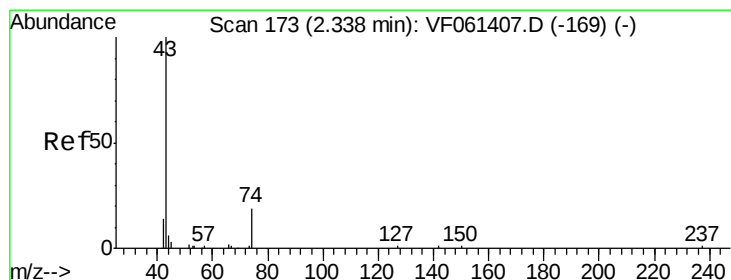
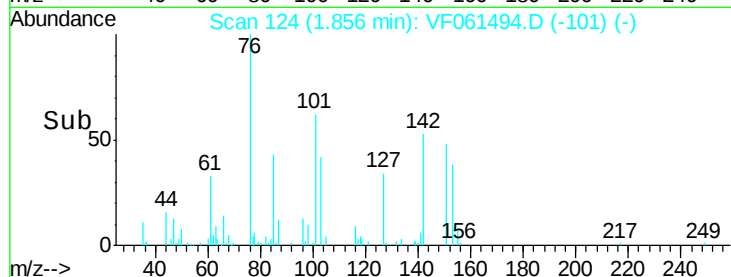
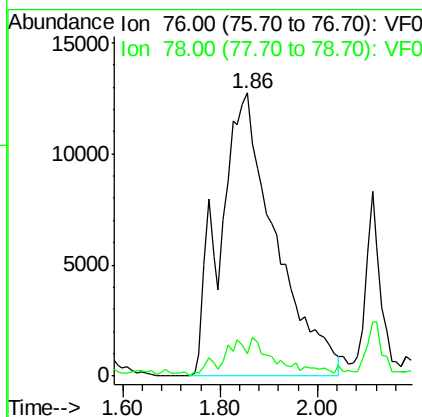
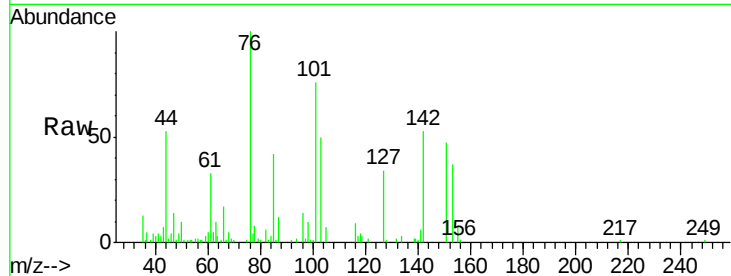
#17
Carbon Disulfide
Concen: 17.015 ug/l m
RT: 1.86 min Scan# 124
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion: 76 Resp: 100119
Ion Ratio Lower Upper
76 100
78 8.0 9.6 14.4#

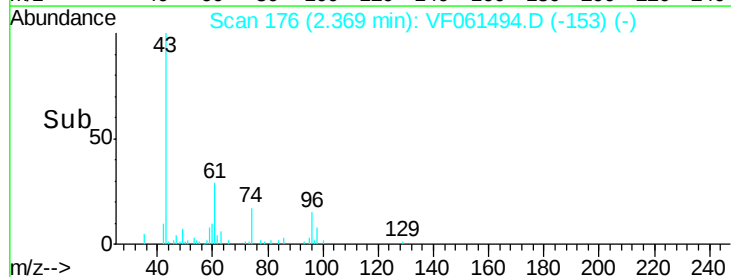
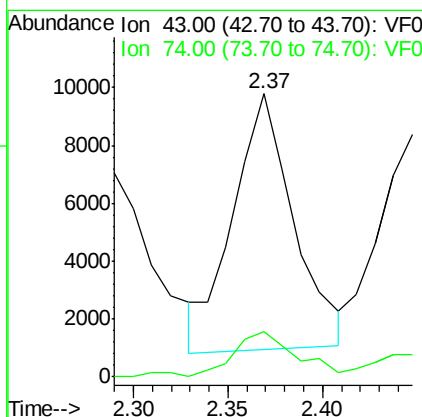
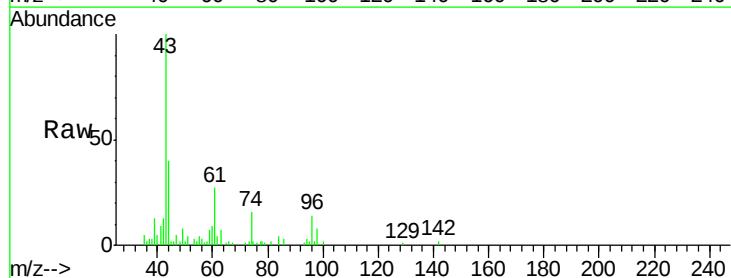
Manual Integrations
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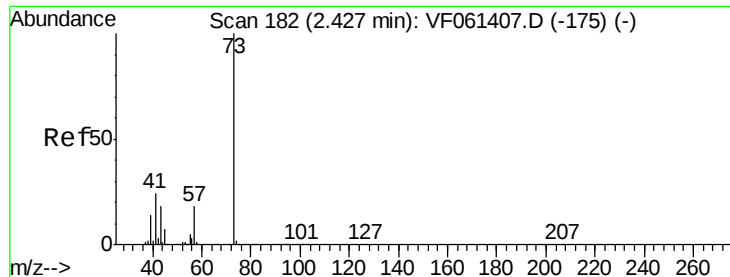
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#18
Methyl Acetate
Concen: 18.948 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 43 Resp: 19748
Ion Ratio Lower Upper
43 100
74 16.0 13.4 20.0





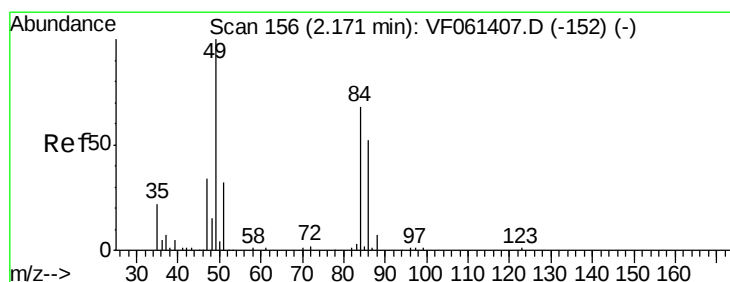
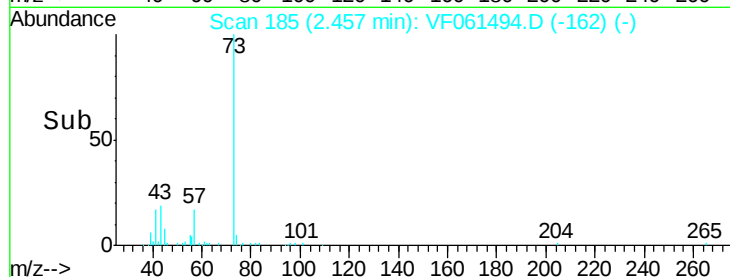
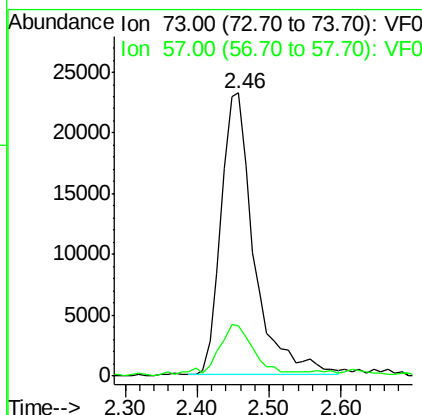
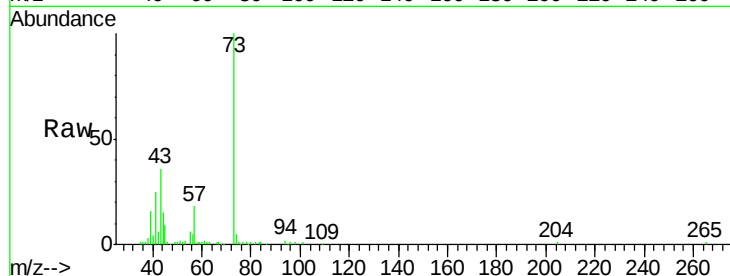
#19
Methvl tert-butvl Ether
Concen: 17.371 ug/l
RT: 2.46 min Scan# 185
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion: 73 Resp: 73487
Ion Ratio Lower Upper
73 100
57 18.0 14.8 22.2

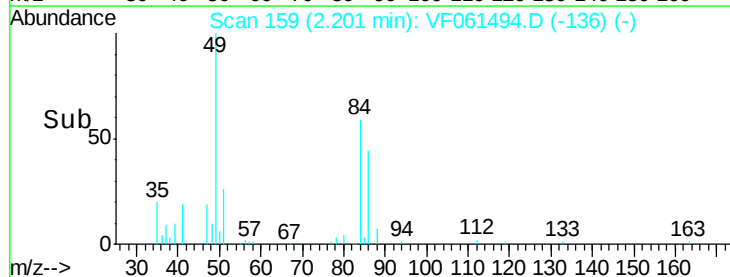
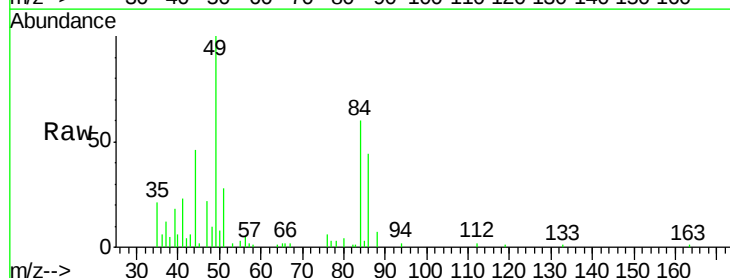
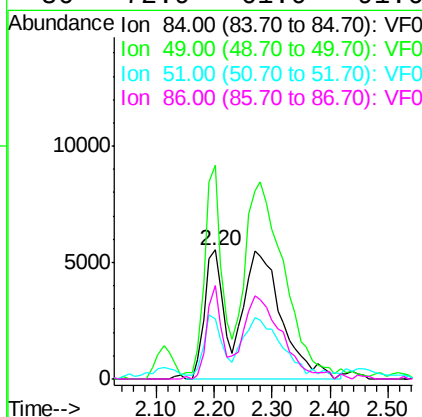
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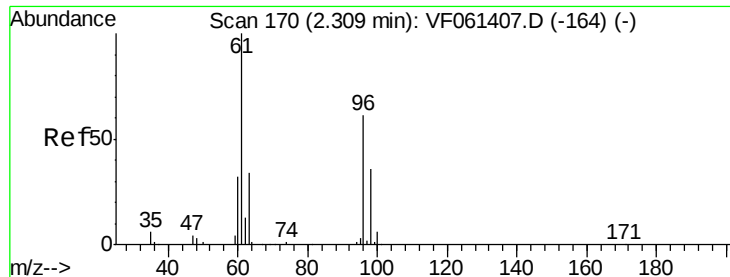
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#20
Methylene Chloride
Concen: 19.829 ug/l m
RT: 2.20 min Scan# 159
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 84 Resp: 37265
Ion Ratio Lower Upper
84 100
49 165.8 120.0 180.0
51 46.5 38.6 58.0
86 72.9 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 16.879 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

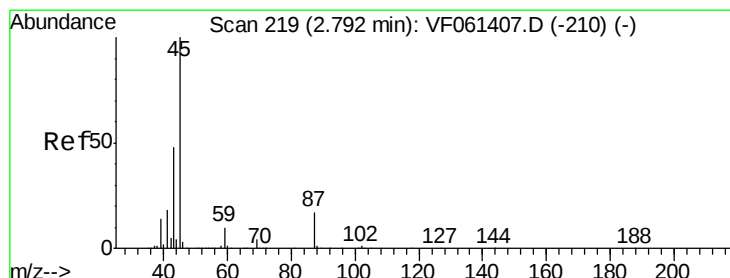
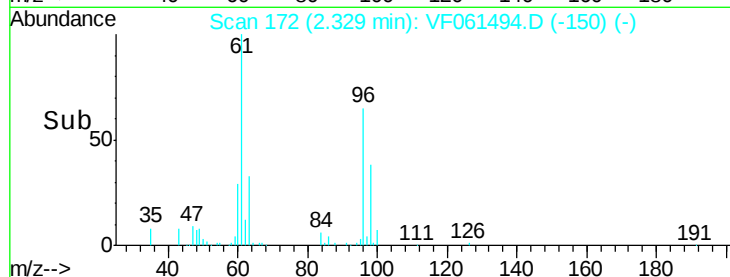
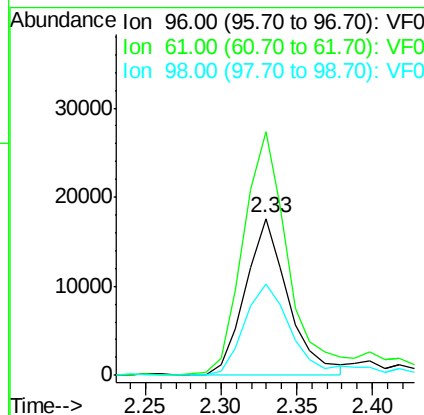
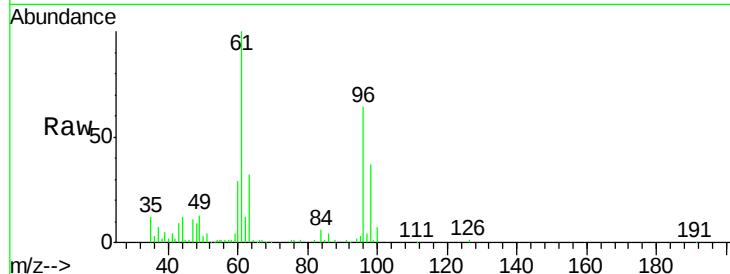
ClientSampleId :

VF0124SBS01

Tot Ion:	96	Resp:	35046
Ion	Ratio	Lower	Upper
96	100		
61	155.1	131.8	197.8
98	58.0	47.4	71.0

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#22

Diisopropyl ether

Concen: 19.386 ug/l

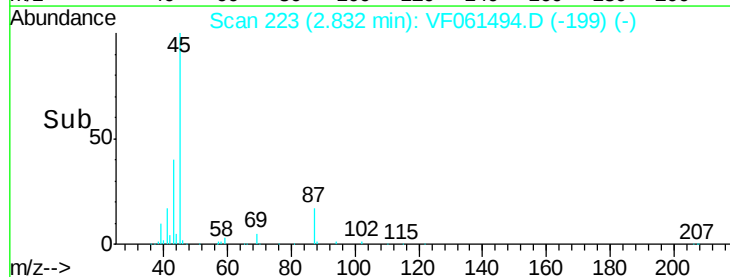
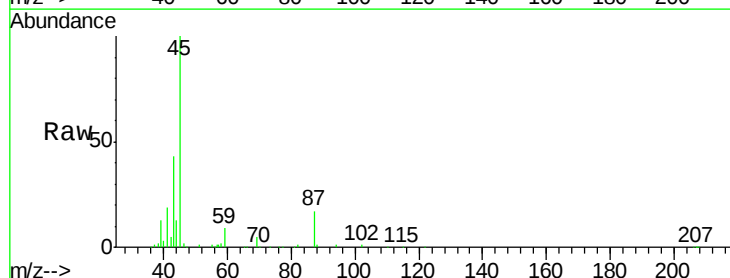
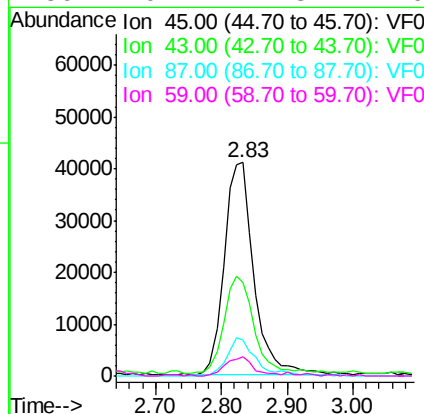
RT: 2.83 min Scan# 223

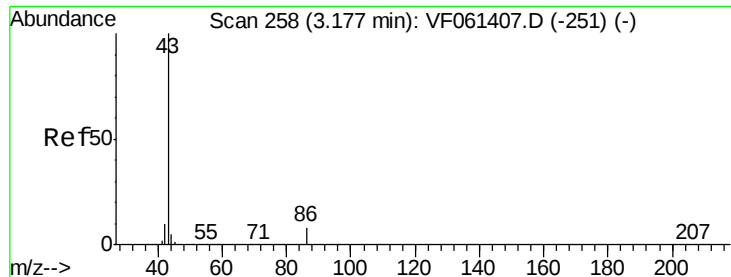
Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	45	Resp:	130192
Ion	Ratio	Lower	Upper
45	100		
43	43.5	39.0	58.6
87	17.0	13.9	20.9
59	9.2	7.8	11.6





#23

Vinyl Acetate

Concen: 103.207 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 43 Resp: 299248

Ion Ratio Lower Upper

43 100

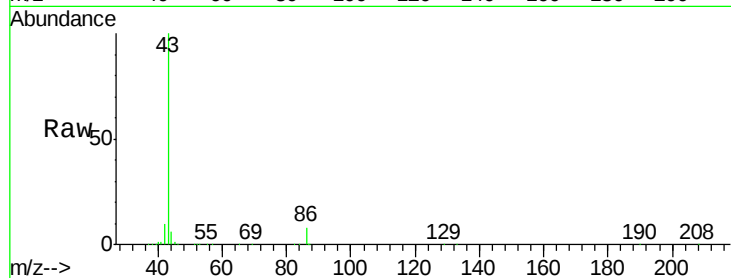
86 8.4 6.2 9.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.22

120000

100000

80000

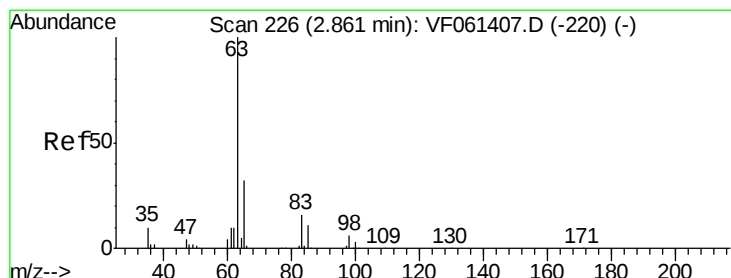
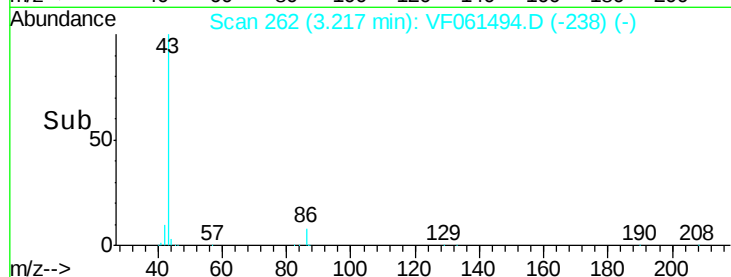
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.432 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

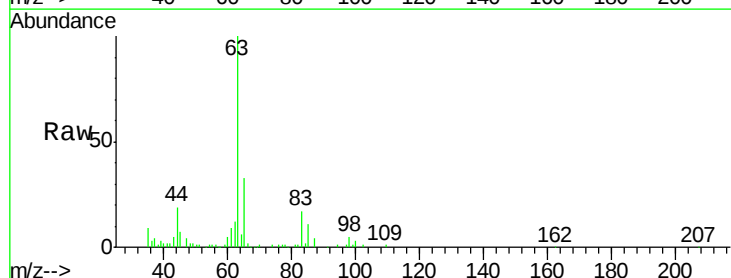
Tgt Ion: 63 Resp: 73472

Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.8

100 3.5 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.89

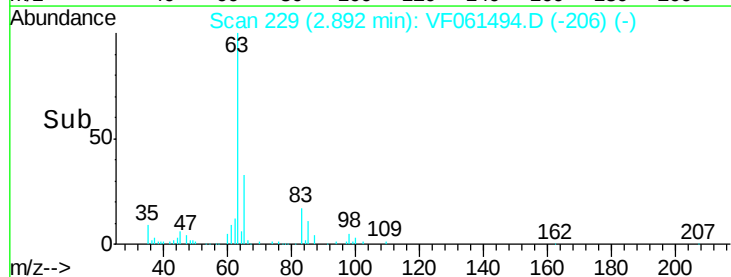
30000

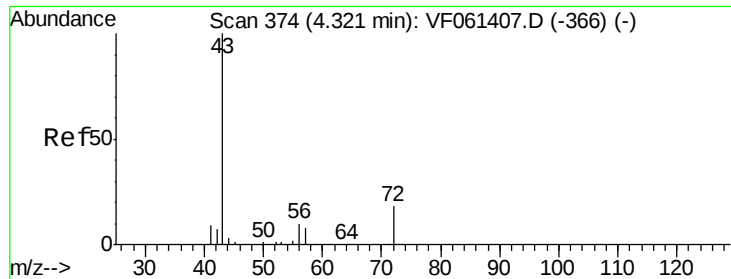
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.037 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 43 Resp: 98787

Ion Ratio Lower Upper

43 100

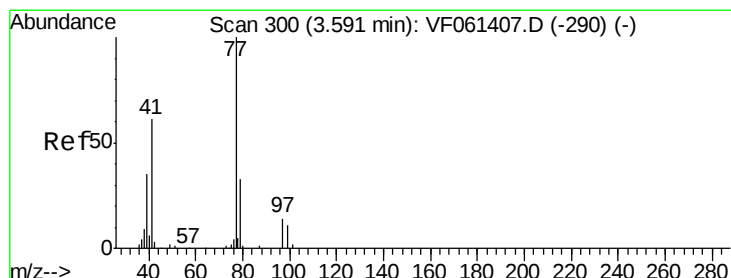
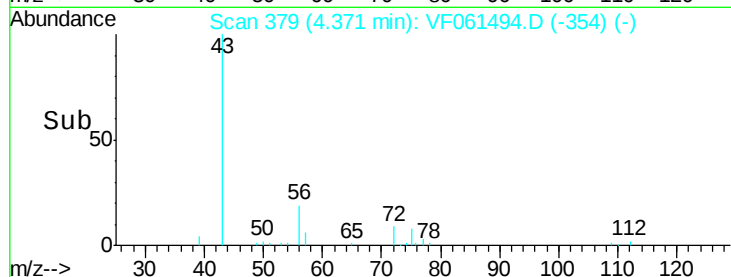
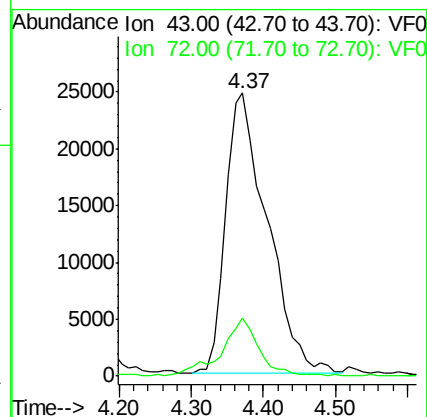
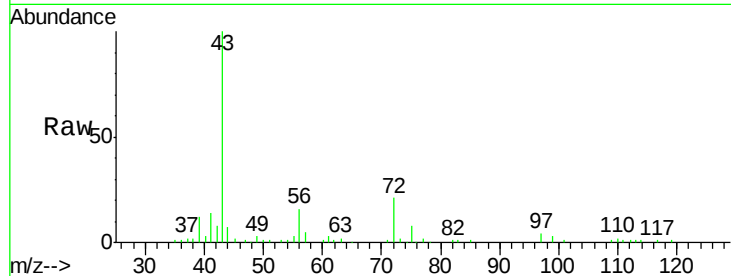
72 20.6 15.8 23.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.547 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.04 min

Lab File: VF061494.D

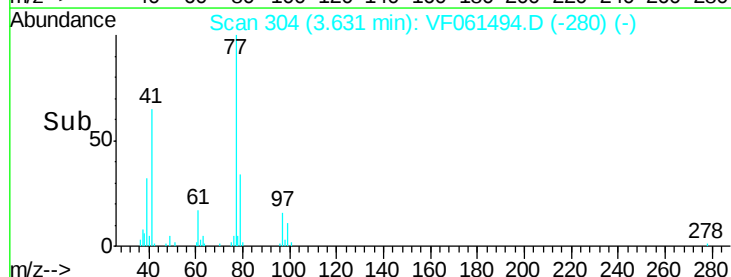
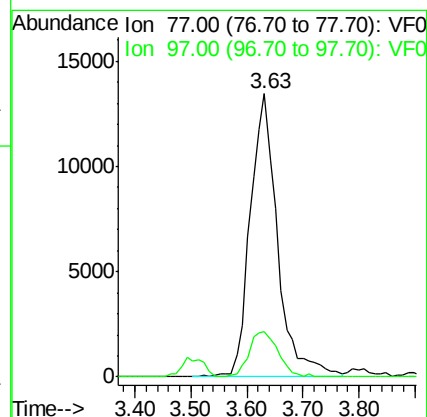
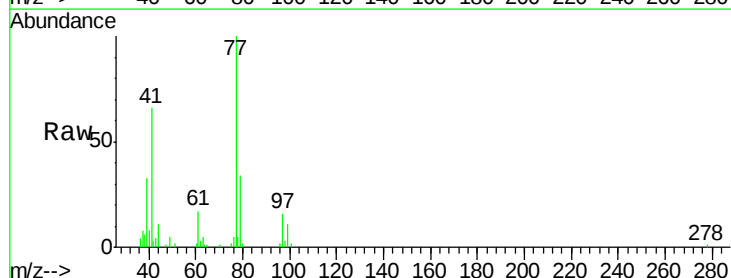
Acq: 24 Jan 2019 12:18

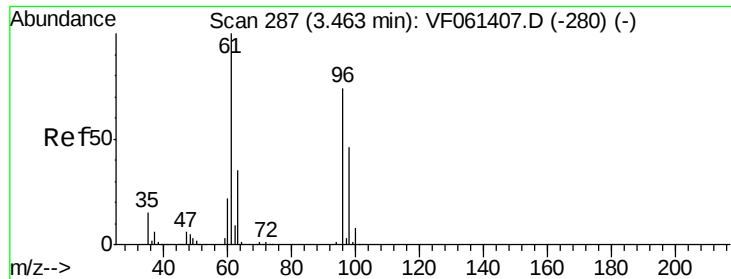
Tgt Ion: 77 Resp: 45439

Ion Ratio Lower Upper

77 100

97 16.0 8.5 25.5





#27

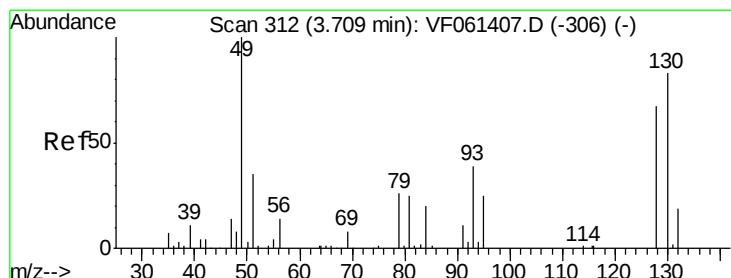
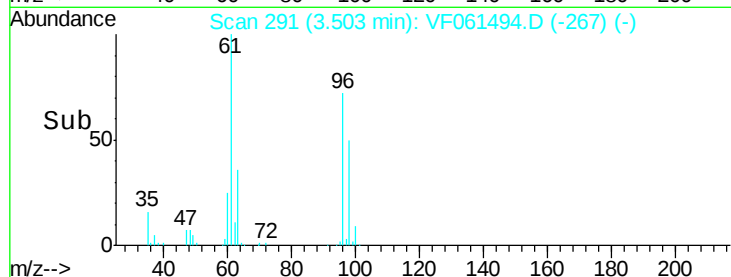
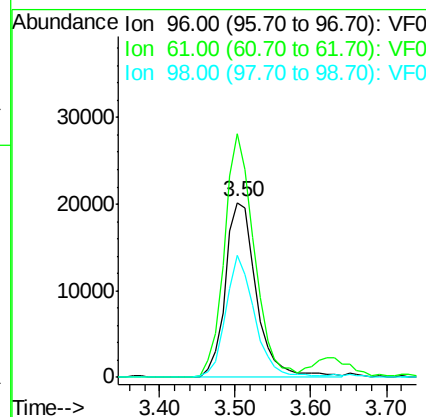
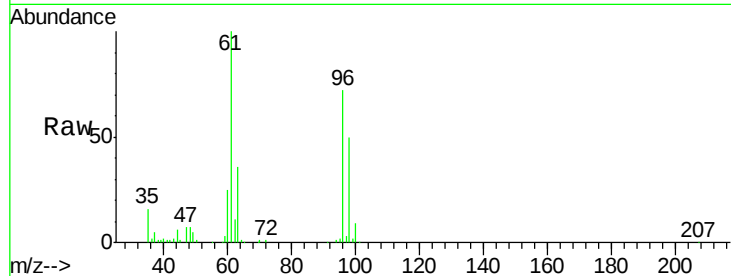
cis-1,2-Dichloroethene
Concen: 18.873 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	270.2
98	69.7	0.0	124.0

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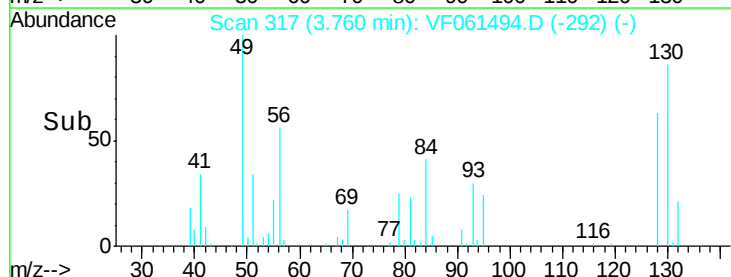
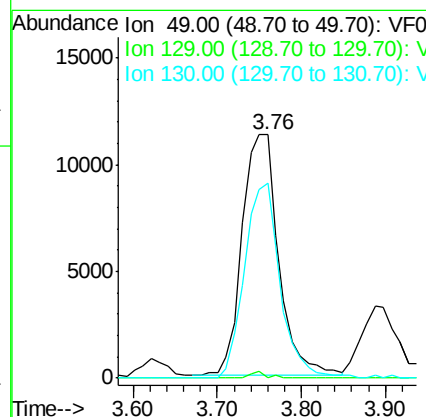
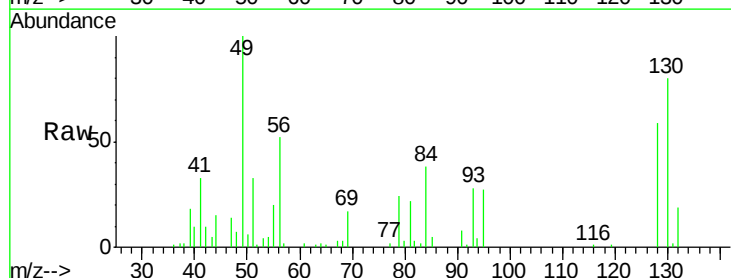
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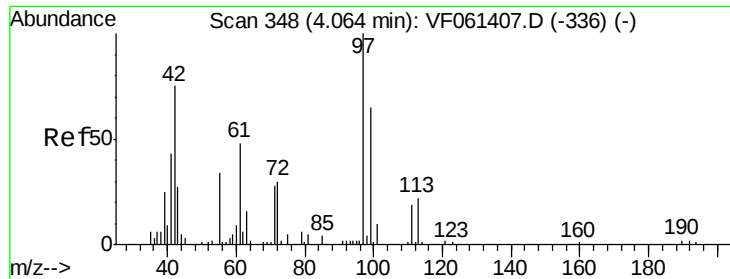


#28

Bromochloromethane
Concen: 18.183 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.05 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	80.0	65.4	98.2





#29

Tetrahydrofuran

Concen: 103.635 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

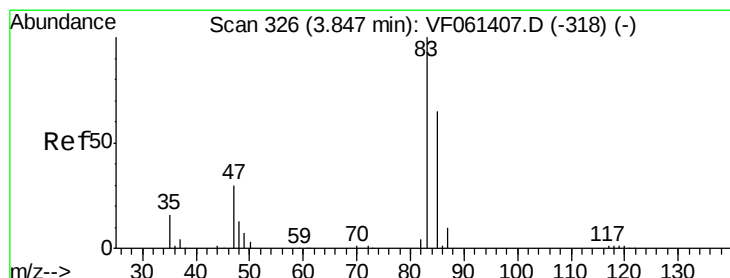
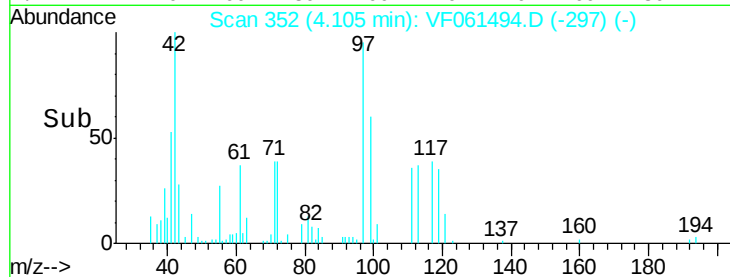
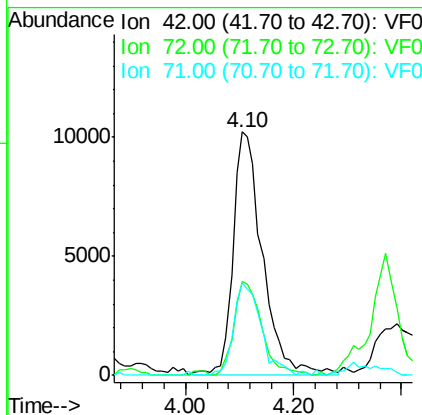
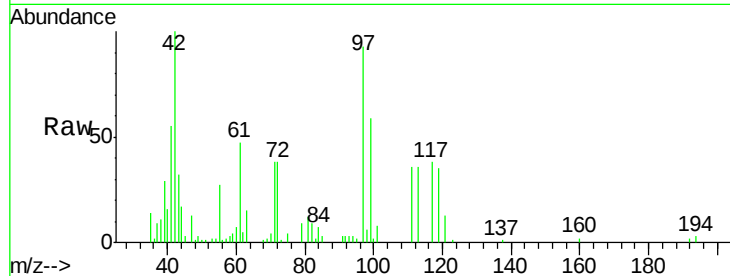
ClientSampleId :

VF0124SBS01

Tot Ion:	42	Resp:	38999
Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.9	43.3
71	35.2	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 18.949 ug/l

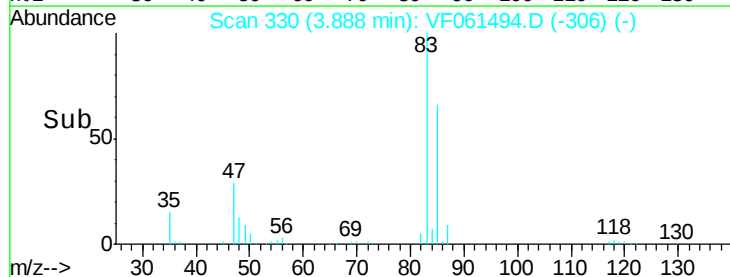
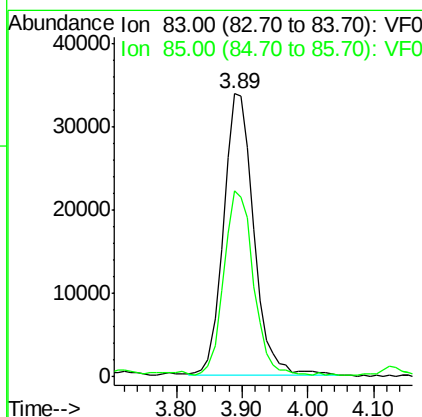
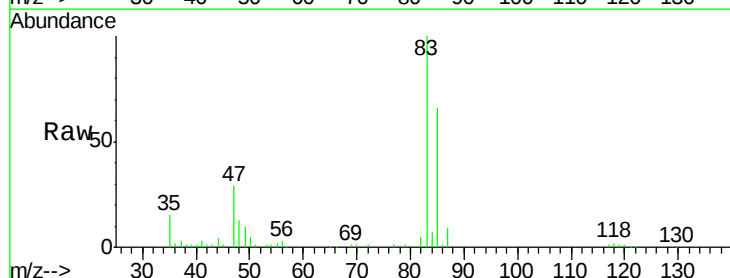
RT: 3.89 min Scan# 330

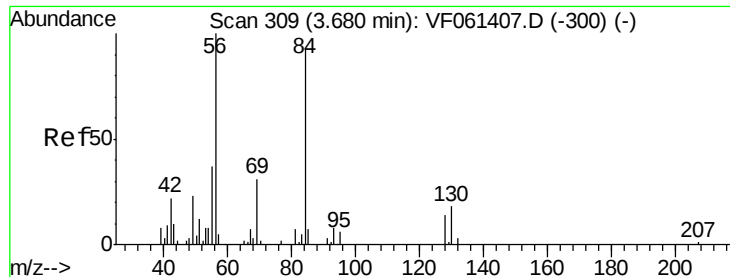
Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	83	Resp:	107789
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.7	79.1





#31

Cyclohexane

Concen: 19.656 ug/l m

RT: 3.72 min Scan# 313

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

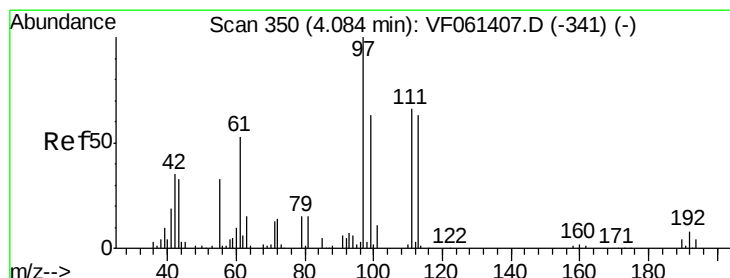
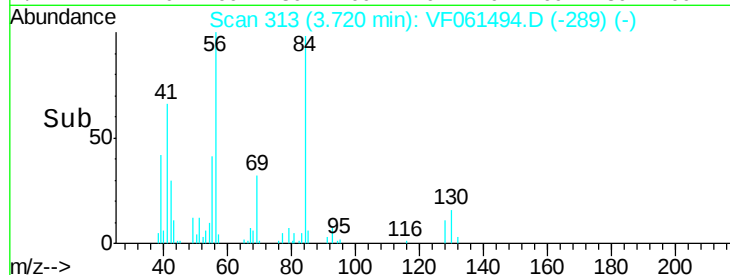
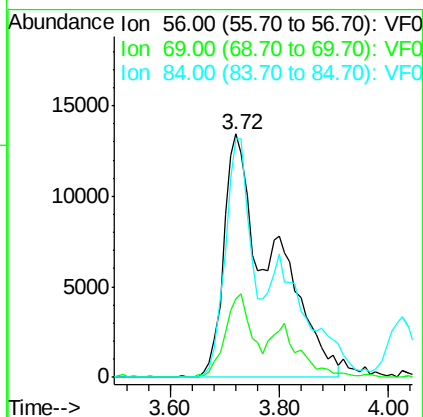
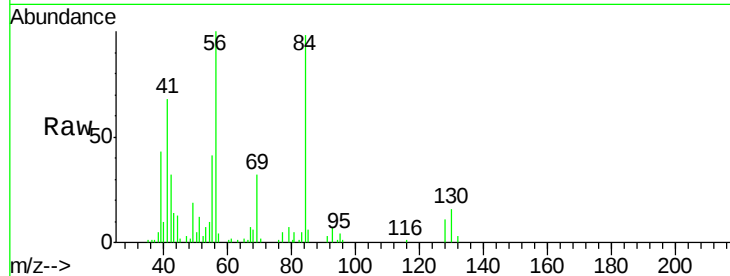
ClientSampleId :

VF0124SBS01

Tot Ion:	56	Resp:	82756
Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.6	36.8
84	97.9	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 15.612 ug/l

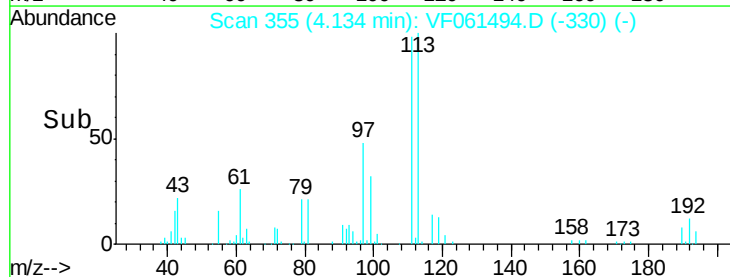
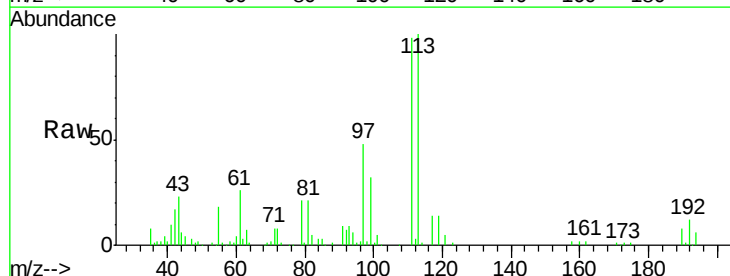
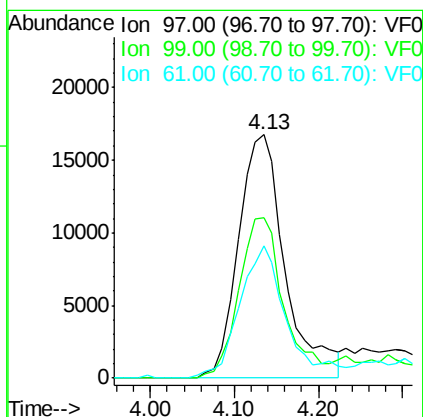
RT: 4.13 min Scan# 355

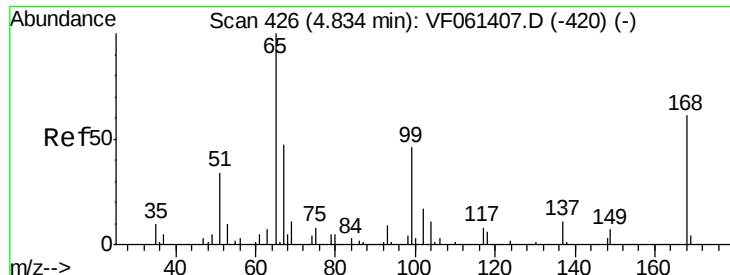
Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	97	Resp:	65115
Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.1	75.1
61	54.5	43.1	64.7





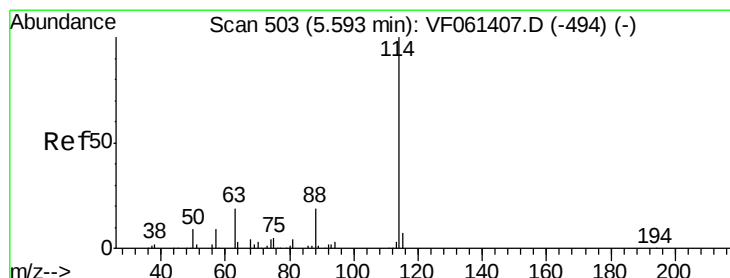
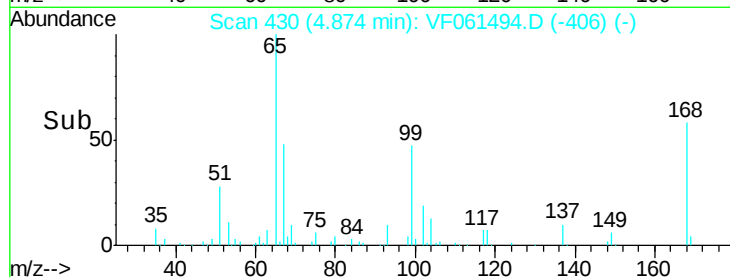
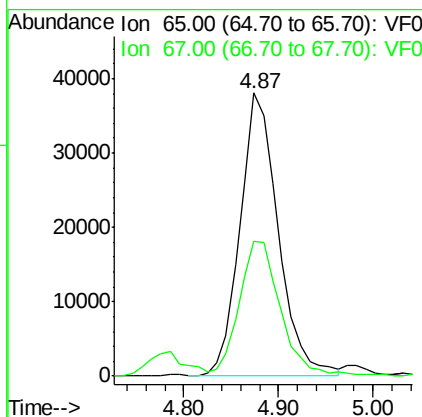
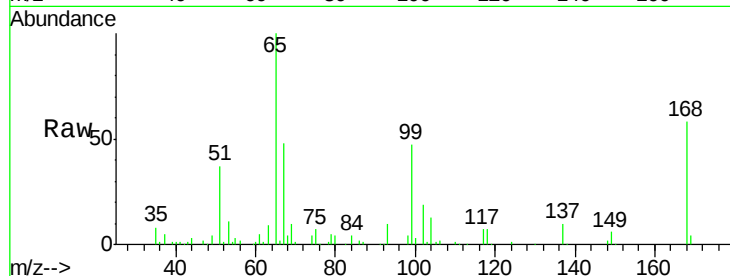
#33
 1,2-Dichloroethane-d4
 Concen: 40.849 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	99.8

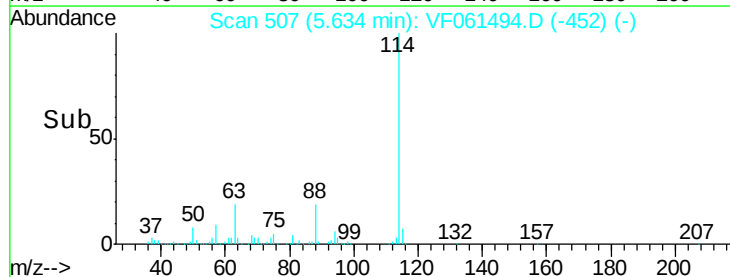
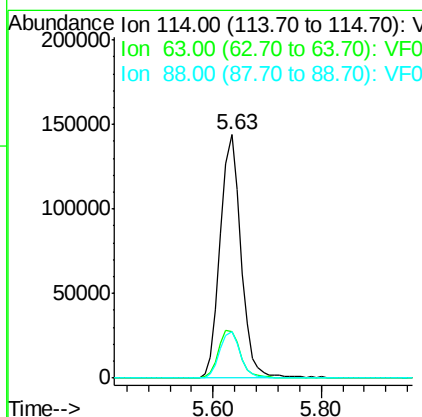
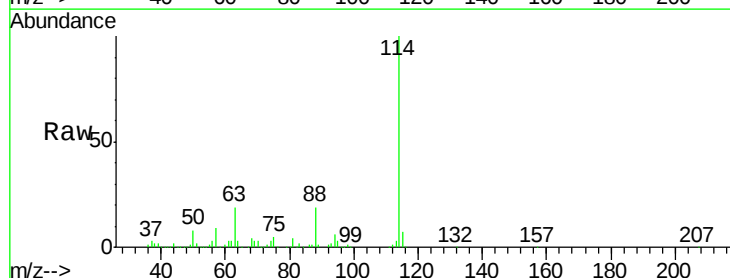
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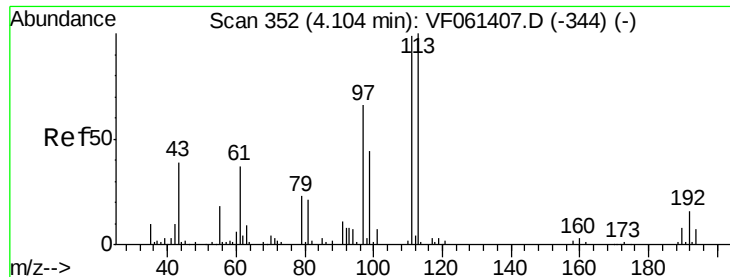
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.0
88	18.8	0.0	37.4





#35

Dibromofluoromethane

Concen: 44.060 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

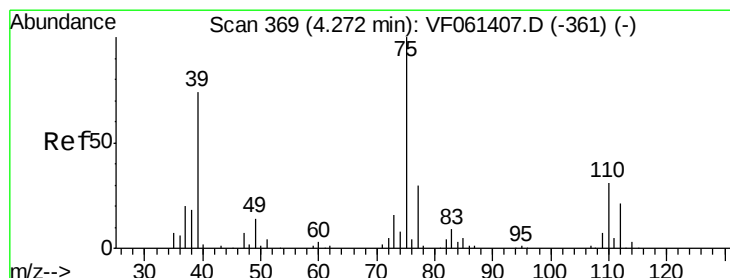
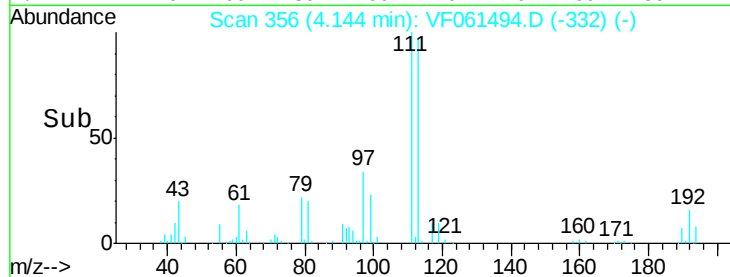
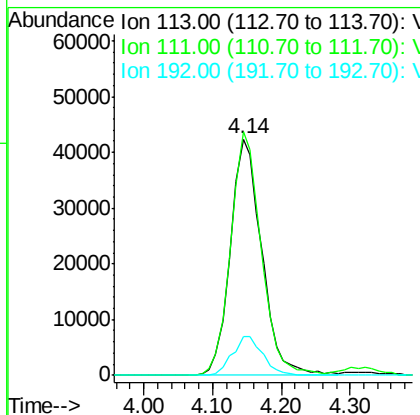
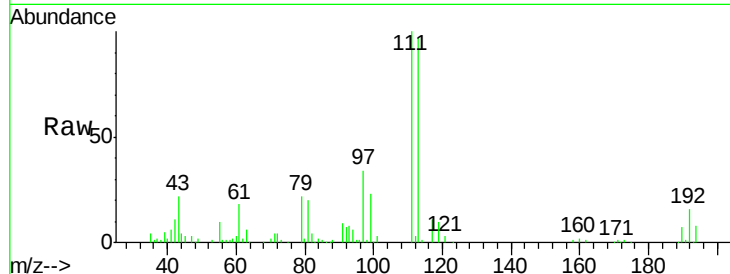
ClientSampleId :

VF0124SBS01

Tot Ion:	113	Resp:	134028
Ion Ratio	Lower	Upper	
113	100		
111	103.0	79.4	119.0
192	16.3	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.433 ug/l

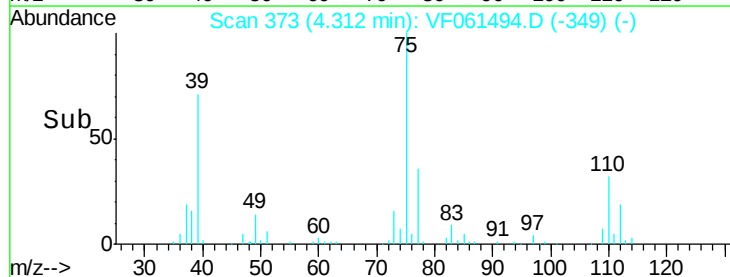
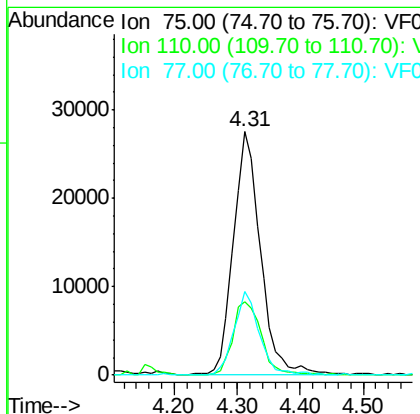
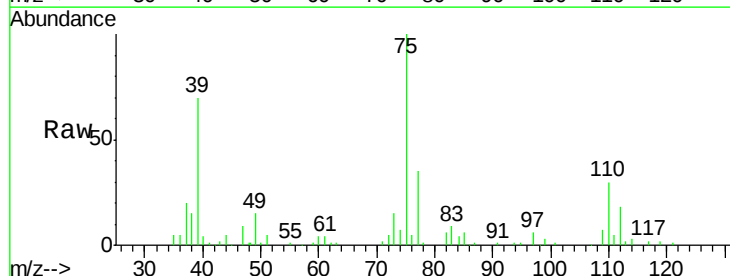
RT: 4.31 min Scan# 373

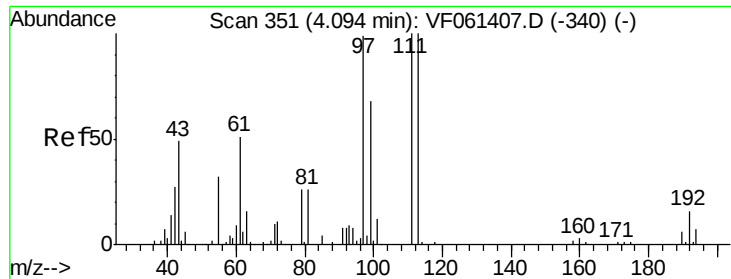
Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	75	Resp:	82388
Ion Ratio	Lower	Upper	
75	100		
110	30.1	15.8	47.3
77	34.5	24.0	36.0





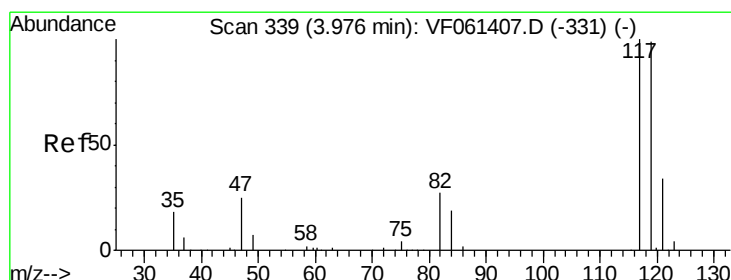
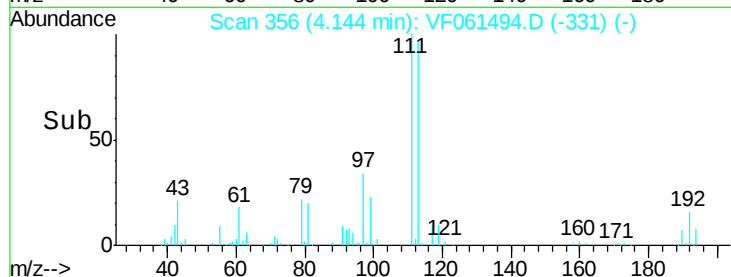
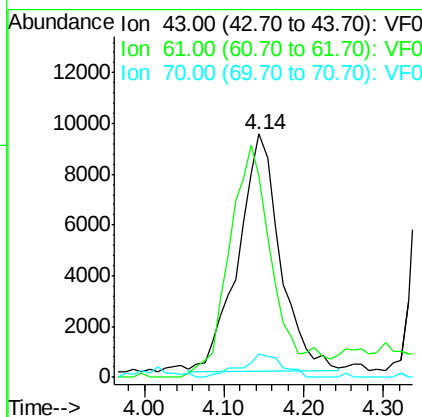
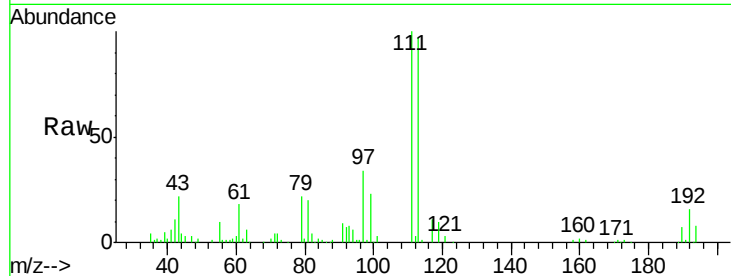
#37
Ethyl Acetate
Concen: 19.063 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.05 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
34059	100	82.7	9.6				
					81.7	122.5	
					6.2	9.2#	

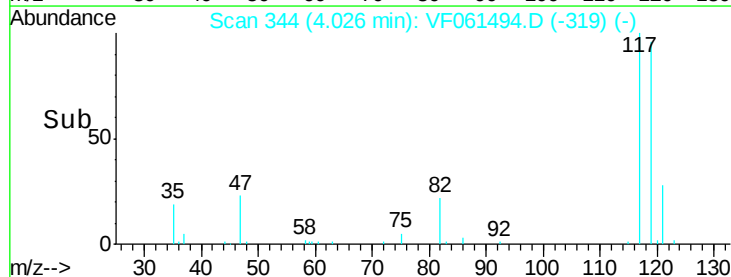
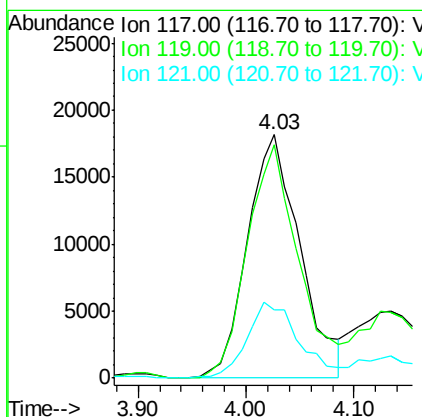
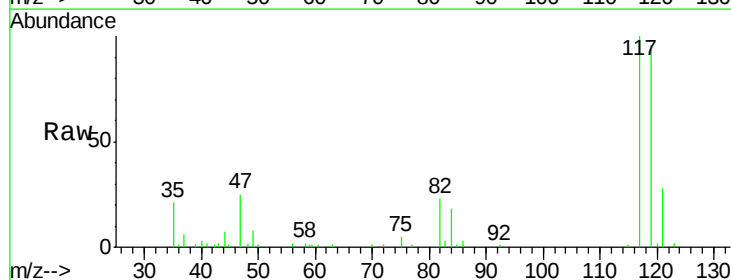
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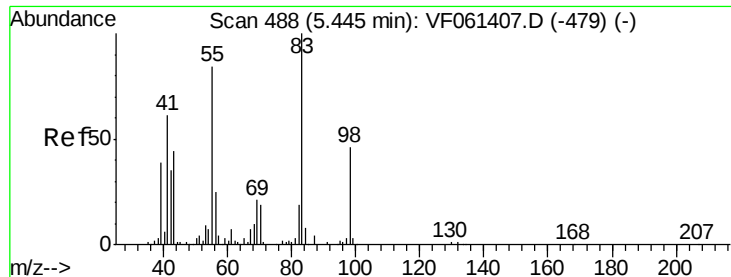
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#38
Carbon Tetrachloride
Concen: 15.725 ug/l
RT: 4.03 min Scan# 344
Delta R.T. 0.05 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
61445	100	96.0	28.3				
					79.0	118.6	
					27.0	40.6	





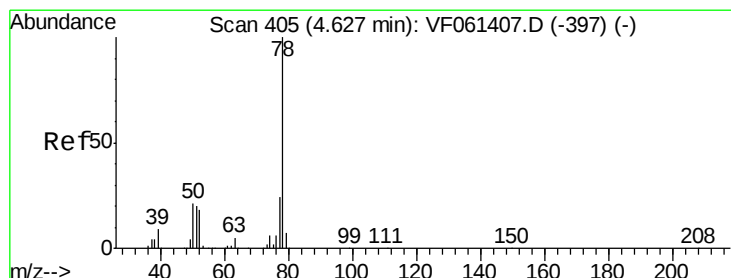
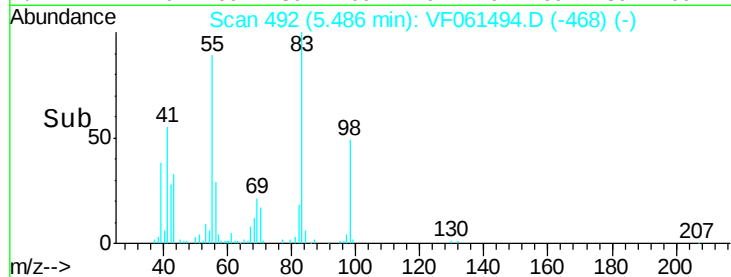
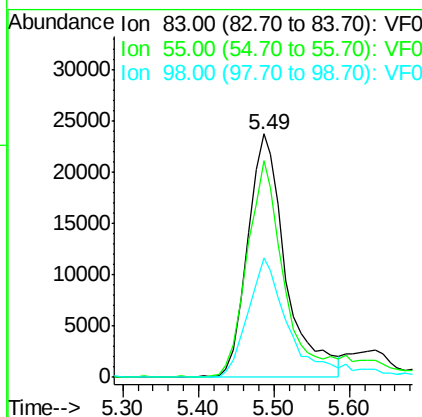
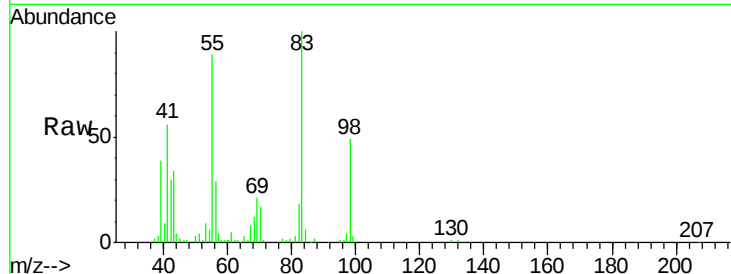
#39
Methvlcvclohexane
Concen: 17.164 ug/l
RT: 5.49 min Scan# 492
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	67.4	101.2
98	48.9	36.7	55.1

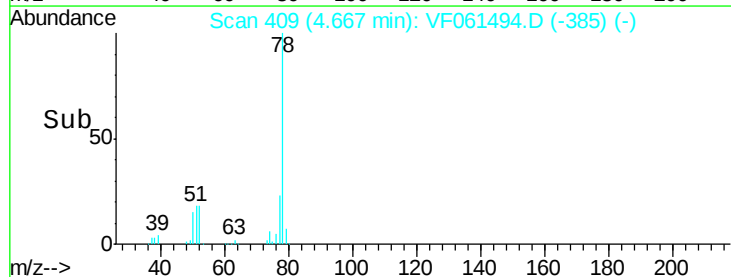
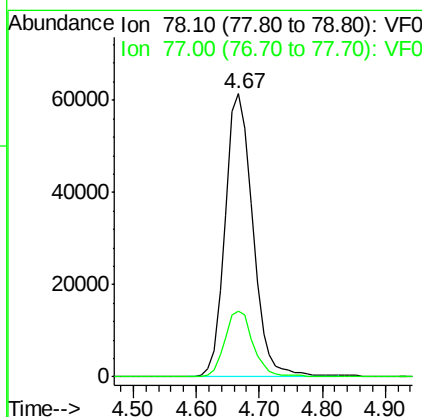
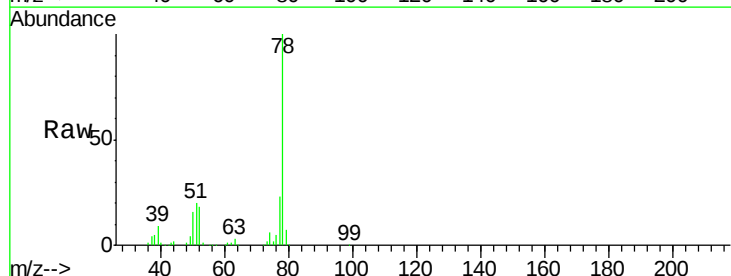
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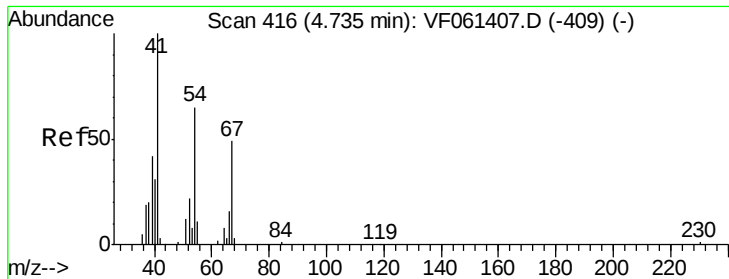
MMDadoda
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#40
Benzene
Concen: 18.861 ug/l
RT: 4.67 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





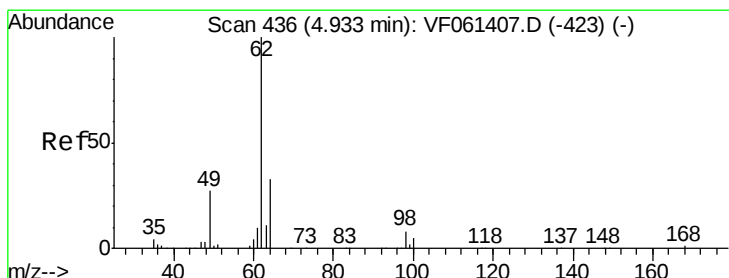
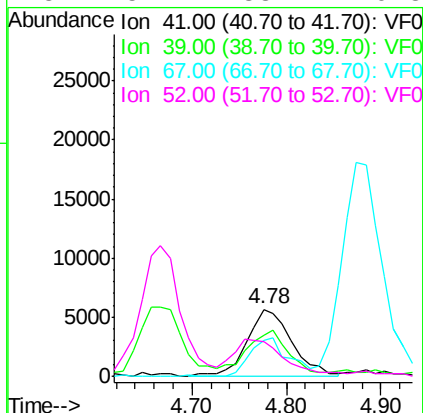
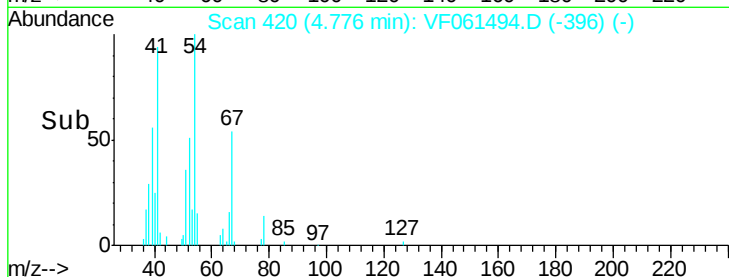
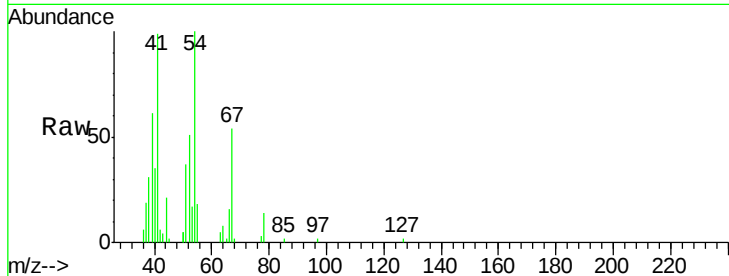
#41
Methacrylonitrile
Concen: 19.500 ug/l
RT: 4.78 min Scan# 420
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18539		
39	62.1	43.1	64.7		
67	54.3	38.8	58.2		
52	51.4	33.2	49.8		

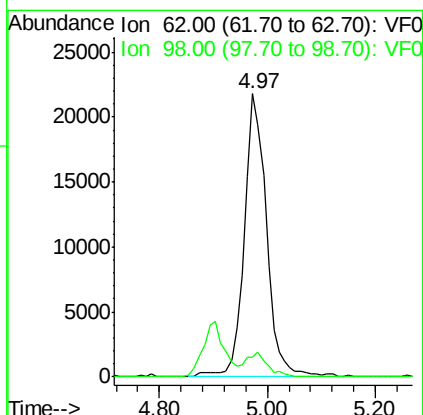
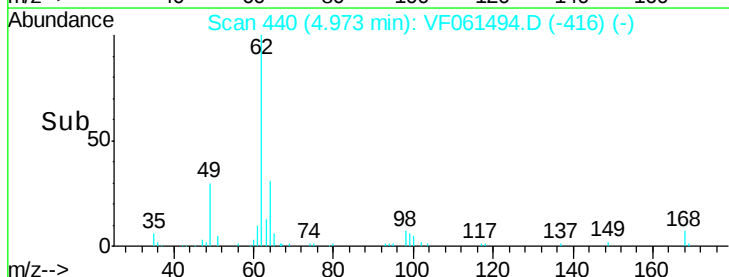
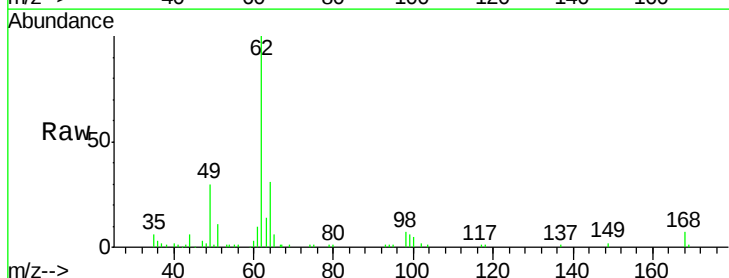
Manual Integrations
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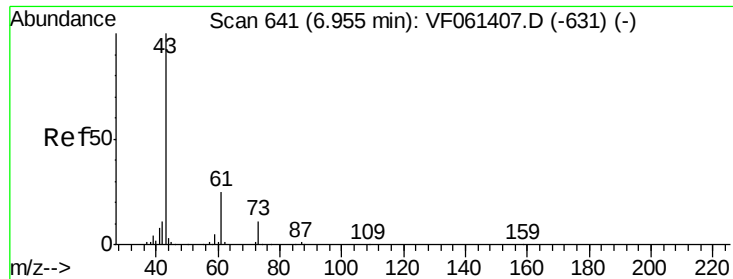
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#42
1,2-Dichloroethane
Concen: 17.586 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		62328		
98	7.2	0.0	17.0		





#43

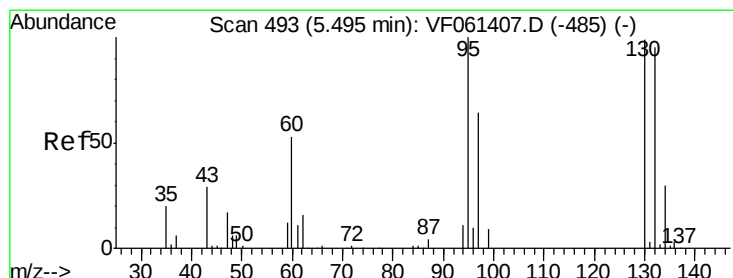
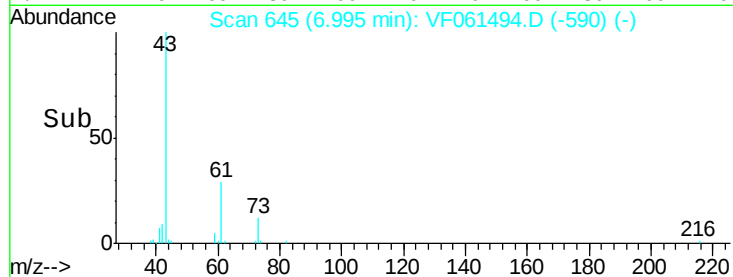
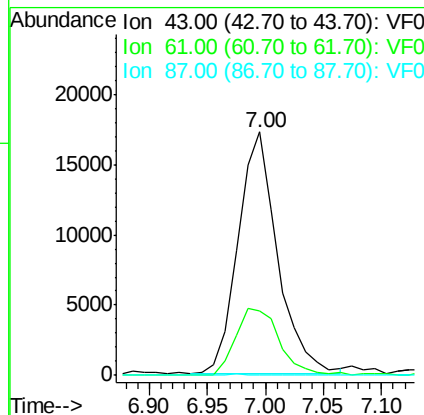
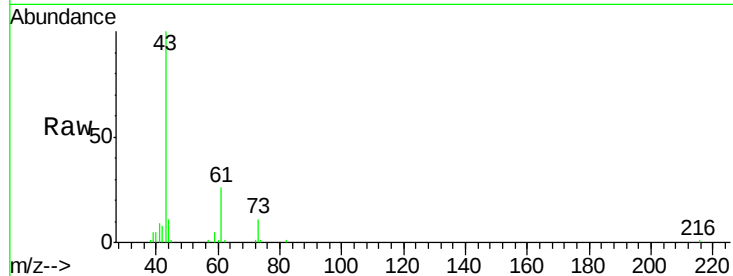
Isopropyl Acetate
 Concen: 17.926 ug/l
 RT: 7.00 min Scan# 645
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.3	30.5
87	0.0	0.5	0.7#

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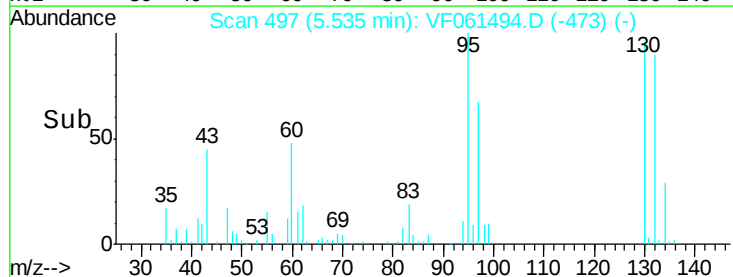
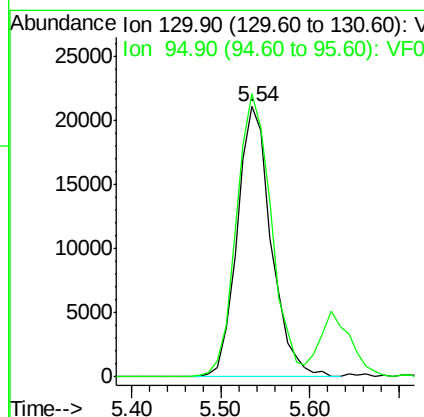
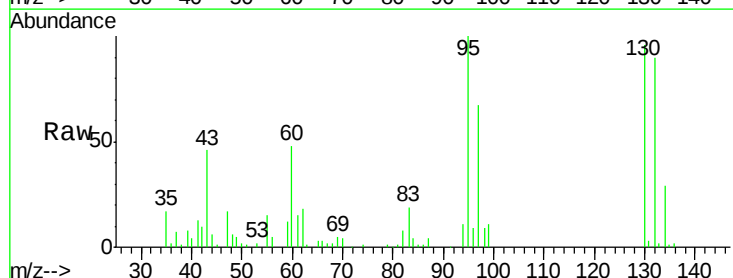
MMDadoda
 1/25/2019 10:26:28 AM

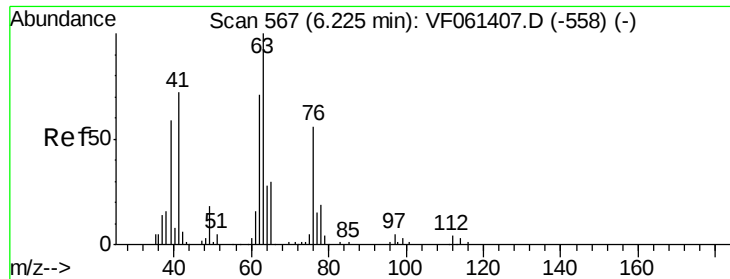


#44

Trichloroethene
 Concen: 18.370 ug/l
 RT: 5.54 min Scan# 497
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	202.8





#45

1,2-Dichloropropane

Concen: 18.480 ug/l

RT: 6.27 min Scan# 571

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 63 Resp: 48239

Ion Ratio Lower Upper

63 100

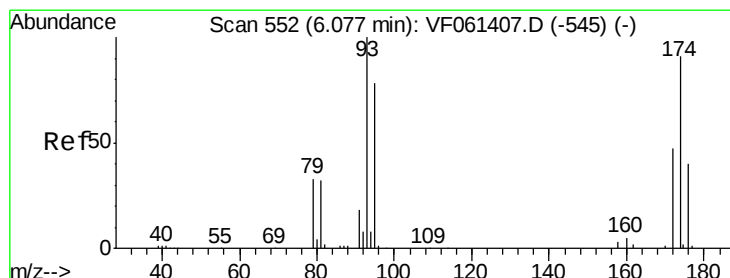
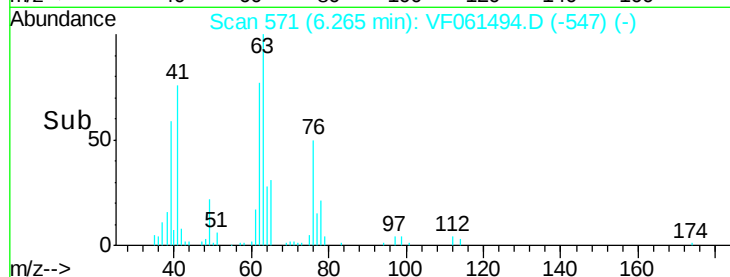
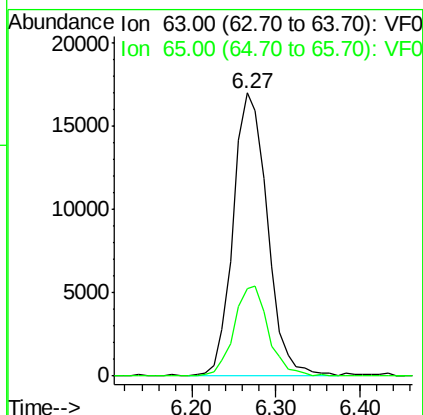
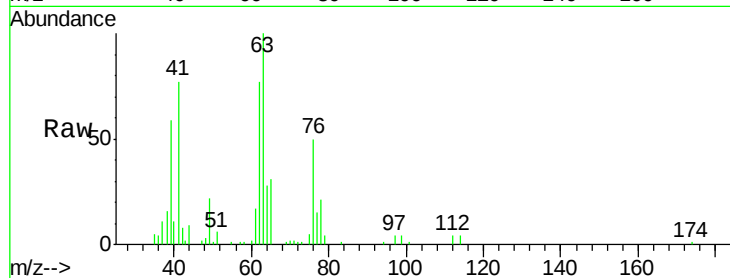
65 31.0 24.4 36.6

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#46

Dibromomethane

Concen: 16.808 ug/l

RT: 6.12 min Scan# 556

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

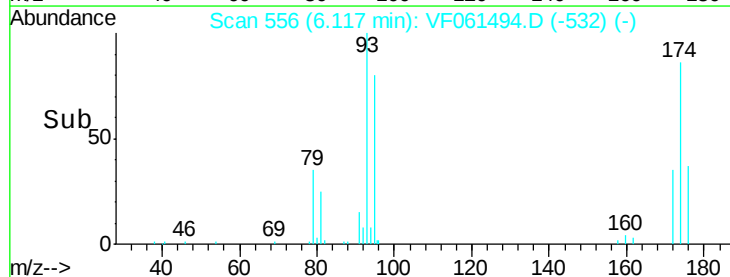
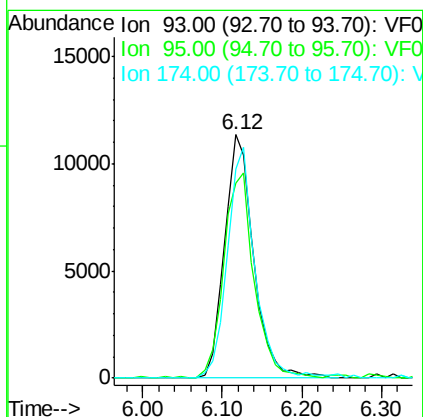
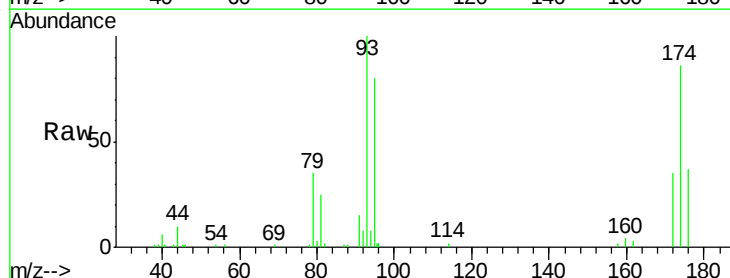
Tgt Ion: 93 Resp: 29173

Ion Ratio Lower Upper

93 100

95 81.9 62.1 93.1

174 85.8 74.6 111.8





#47

Bromodichloromethane

Concen: 17.621 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

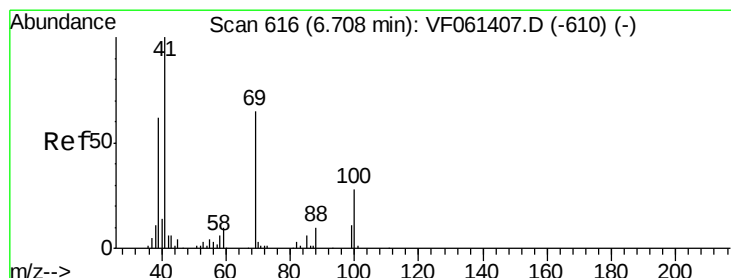
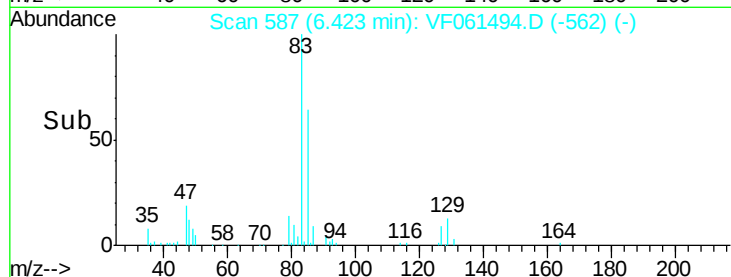
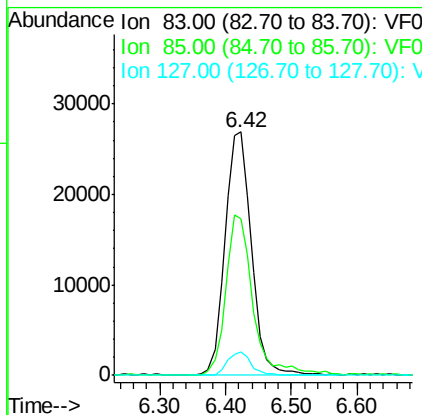
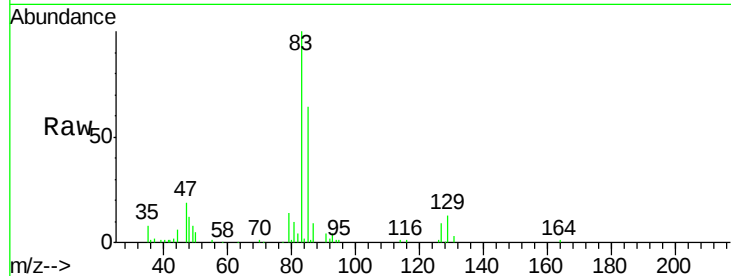
ClientSampleId :

VF0124SBS01

Tot Ion:	83	Resp:	75672
Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.0	79.4
127	9.4	6.9	10.3

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#48

Methyl methacrylate

Concen: 18.770 ug/l

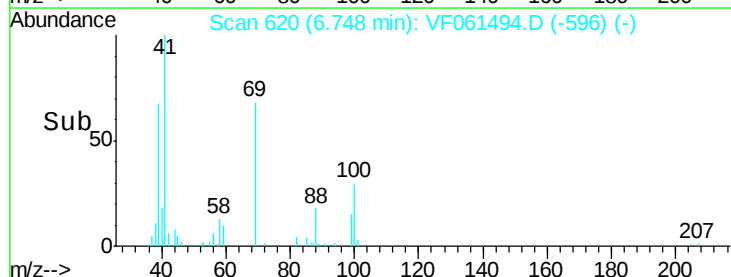
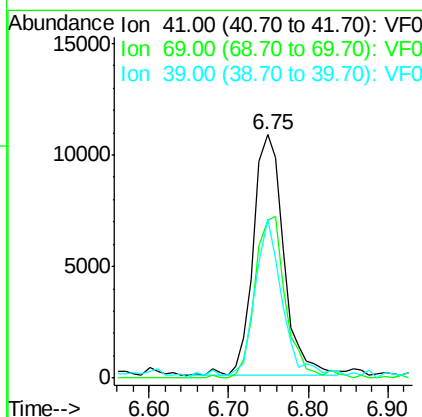
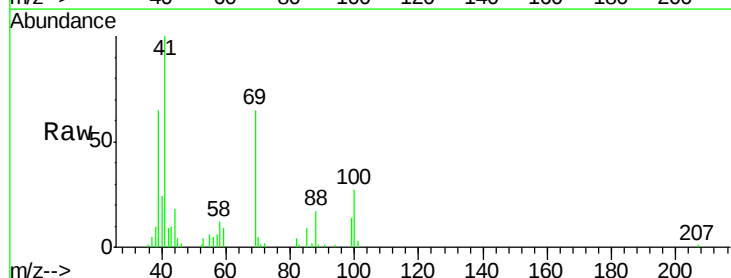
RT: 6.75 min Scan# 620

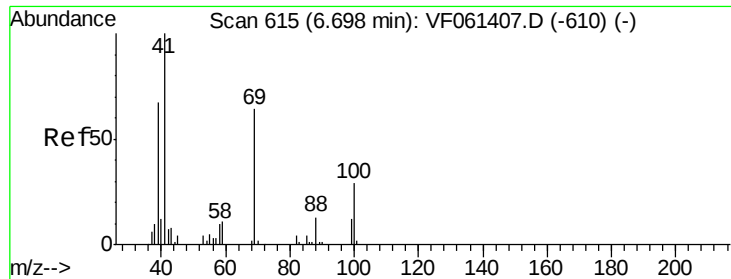
Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	41	Resp:	28263
Ion	Ratio	Lower	Upper
41	100		
69	64.9	51.7	77.5
39	65.4	49.2	73.8





#49

1,4-Dioxane

Concen: 369.111 ug/l

RT: 6.75 min Scan# 620

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

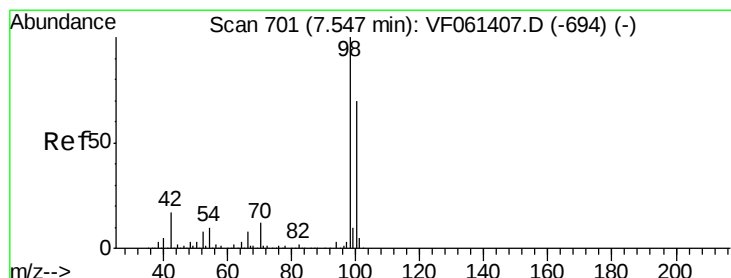
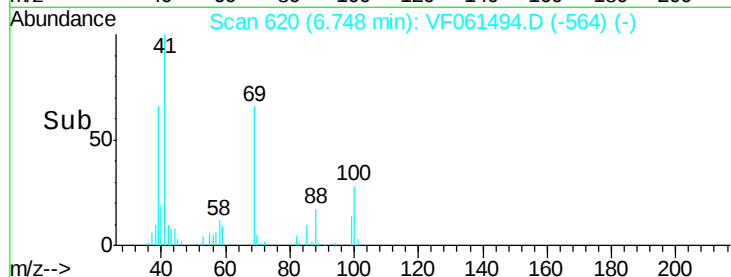
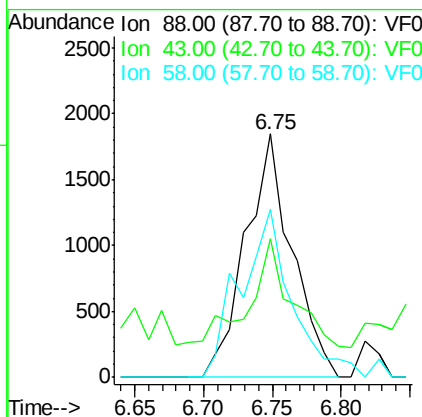
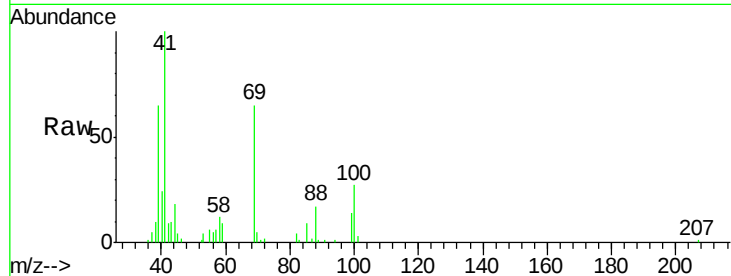
ClientSampleId :

VF0124SBS01

Tot Ion:	88	Resp:	4340
Ion	Ratio	Lower	Upper
88	100		
43	57.1	55.5	83.3
58	68.9	59.9	89.9

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#50

Toluene-d8

Concen: 42.538 ug/l

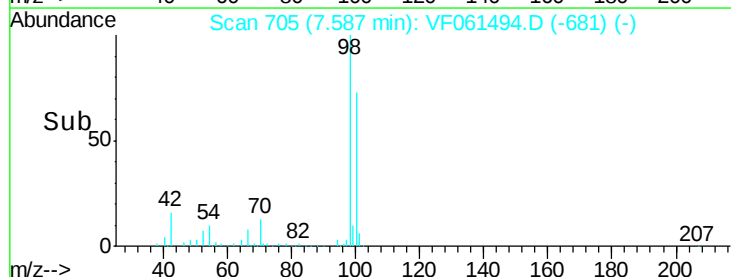
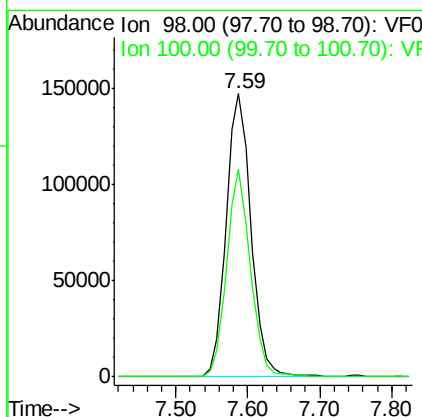
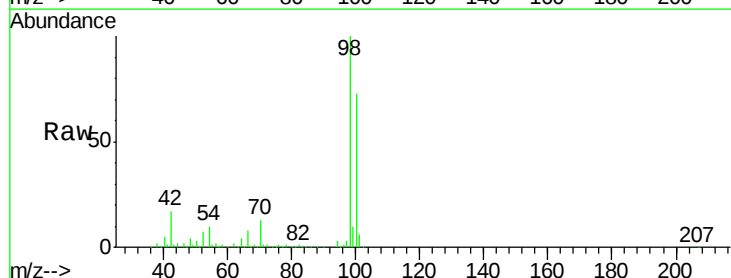
RT: 7.59 min Scan# 705

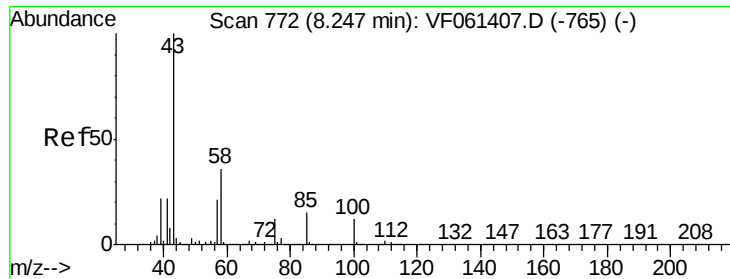
Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	98	Resp:	354529
Ion	Ratio	Lower	Upper
98	100		
100	73.4	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 92.872 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 43 Resp: 153102

Ion Ratio Lower Upper

43 100

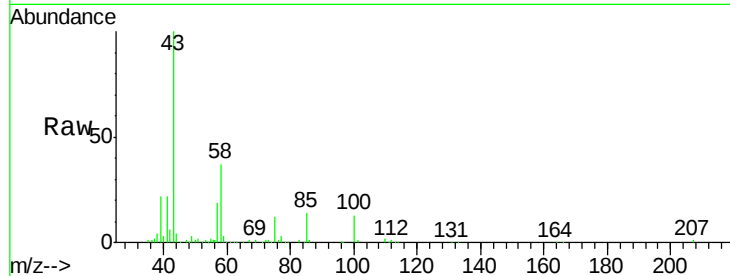
58 37.1 28.8 43.2

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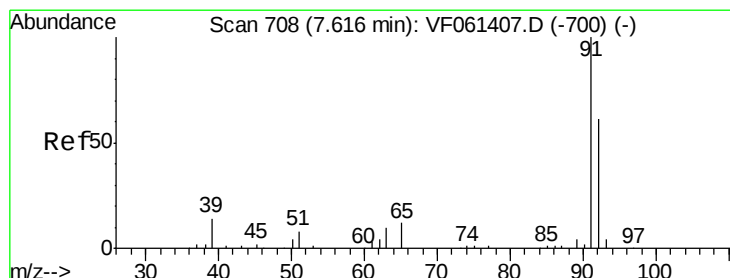
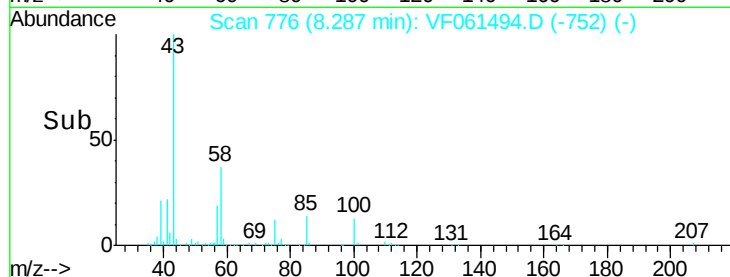
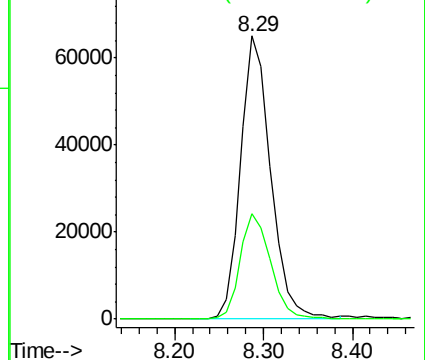
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.169 ug/l

RT: 7.66 min Scan# 712

Delta R.T. 0.04 min

Lab File: VF061494.D

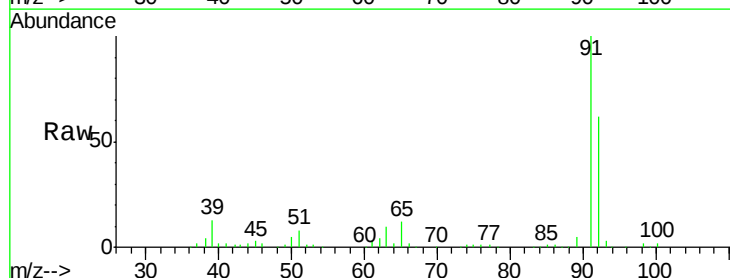
Acq: 24 Jan 2019 12:18

Tgt Ion: 92 Resp: 119001

Ion Ratio Lower Upper

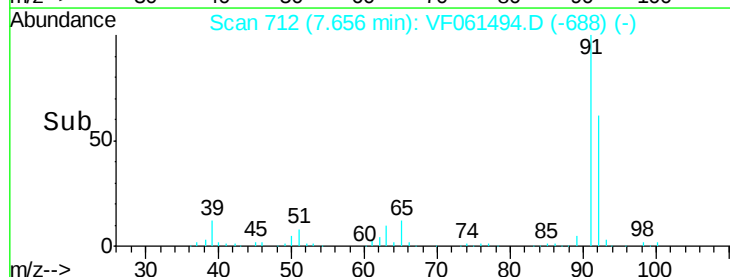
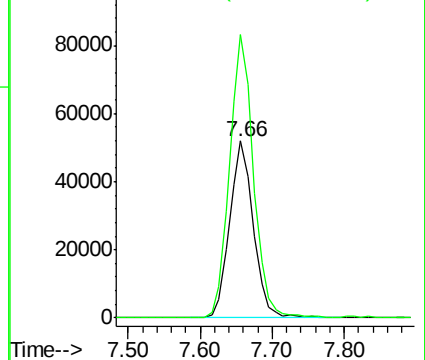
92 100

91 160.3 131.2 196.8



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: 17.700 ug/l

RT: 8.31 min Scan# 778

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 75 Resp: 60358

Ion Ratio Lower Upper

75 100

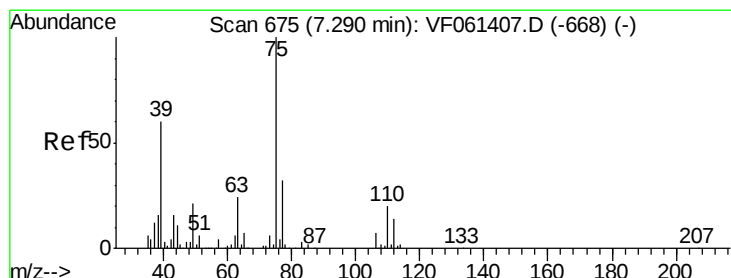
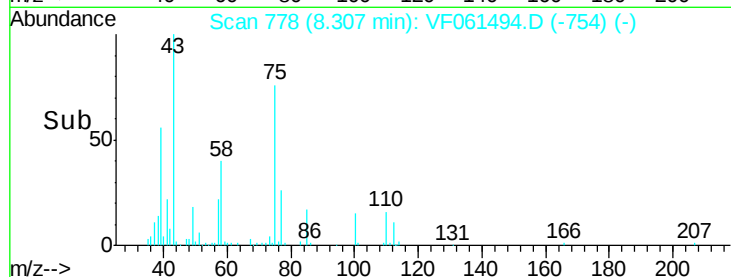
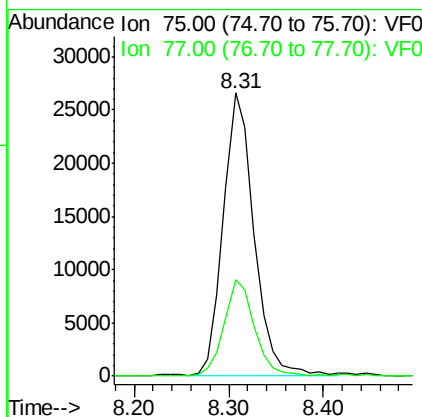
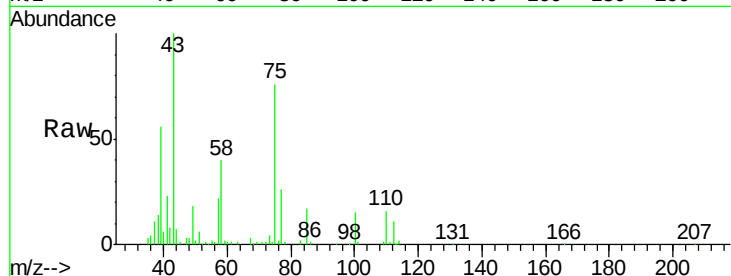
77 34.0 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.663 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

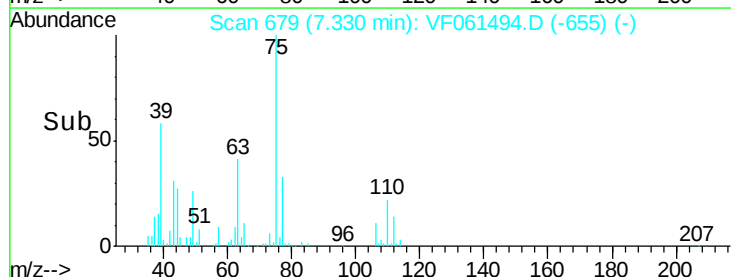
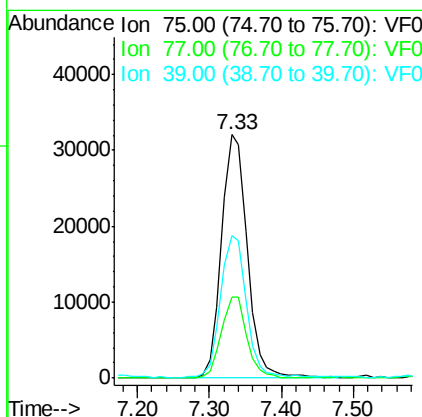
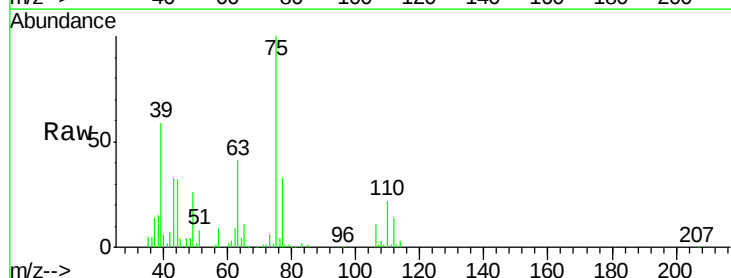
Tgt Ion: 75 Resp: 79552

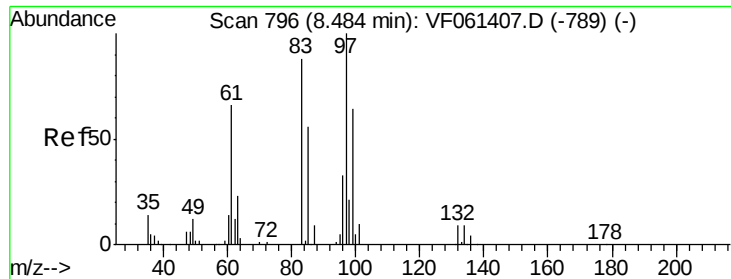
Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.0

39 58.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 18.452 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

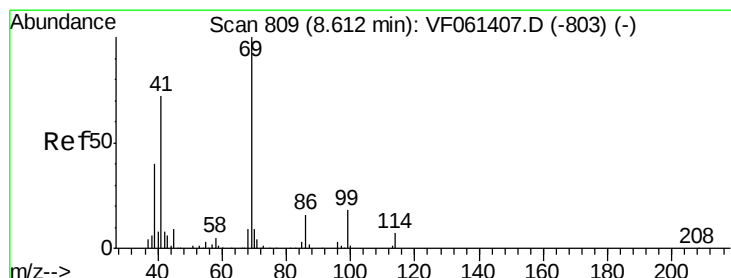
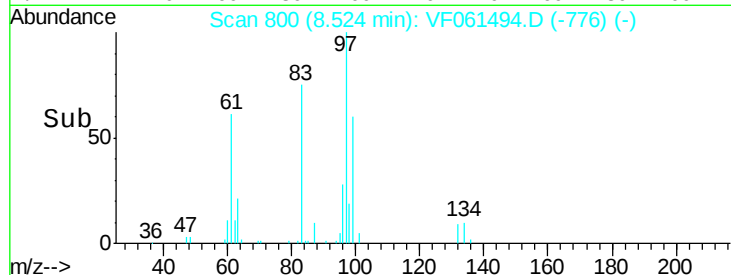
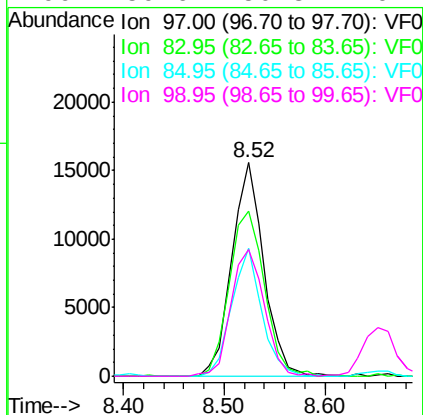
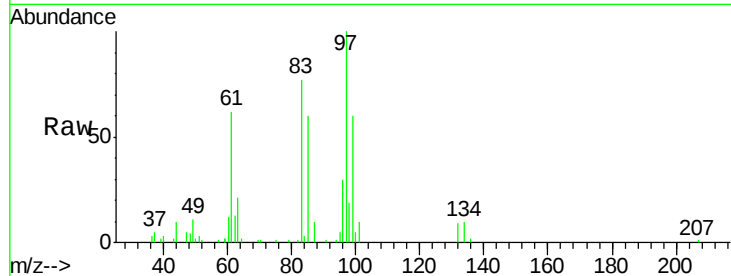
ClientSampleId :

VF0124SBS01

Tot Ion:	97	Resp:	34320
Ion	Ratio	Lower	Upper
97	100		
83	77.4	70.4	105.6
85	59.9	44.7	67.1
99	59.6	50.8	76.2

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#56

Ethyl methacrylate

Concen: 16.902 ug/l

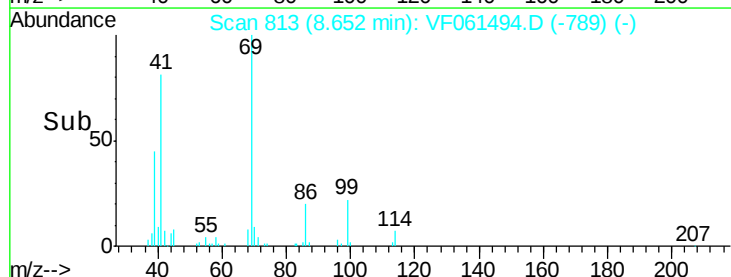
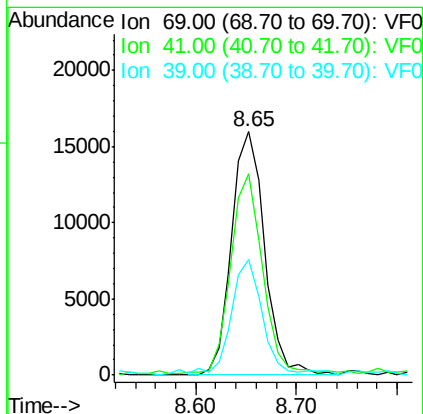
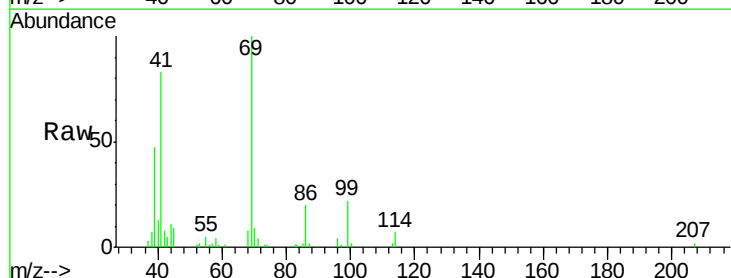
RT: 8.65 min Scan# 813

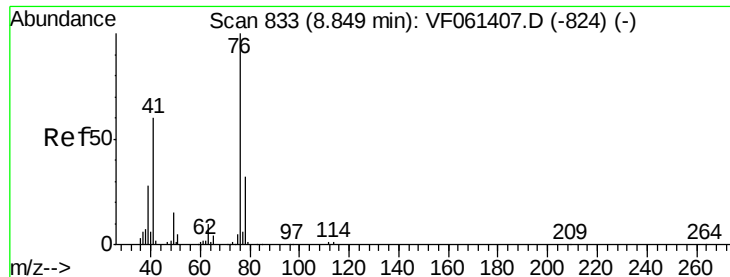
Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	69	Resp:	36574
Ion	Ratio	Lower	Upper
69	100		
41	82.7	57.5	86.3
39	47.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 17.414 ug/l

RT: 8.89 min Scan# 837

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 76 Resp: 60707

Ion Ratio Lower Upper

76 100

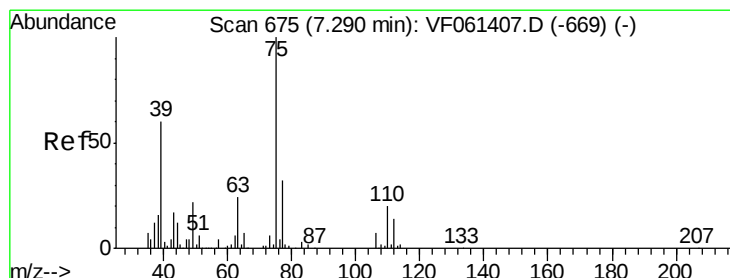
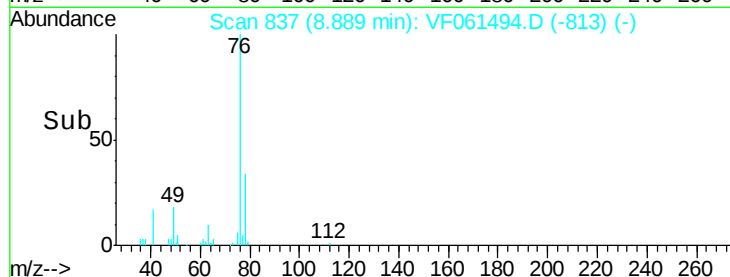
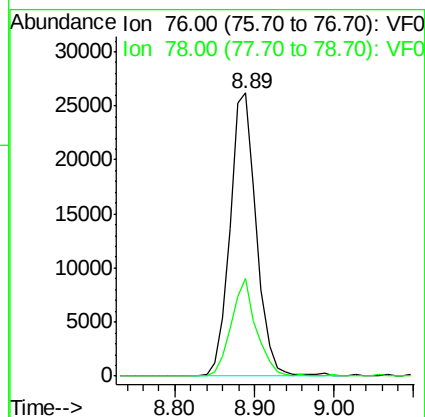
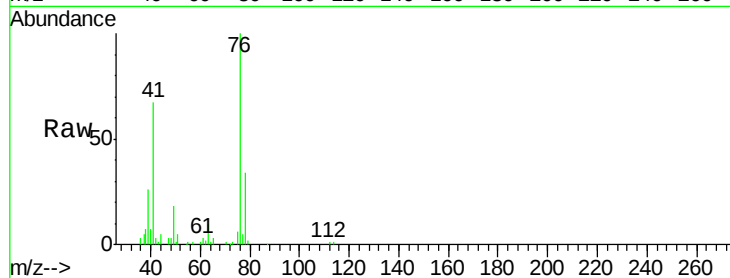
78 34.4 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 143.117 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061494.D

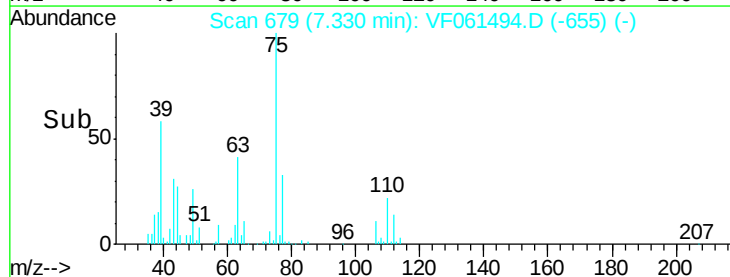
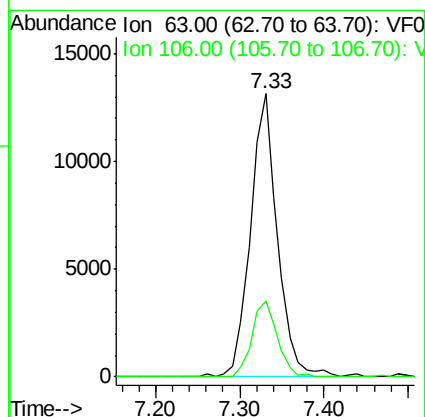
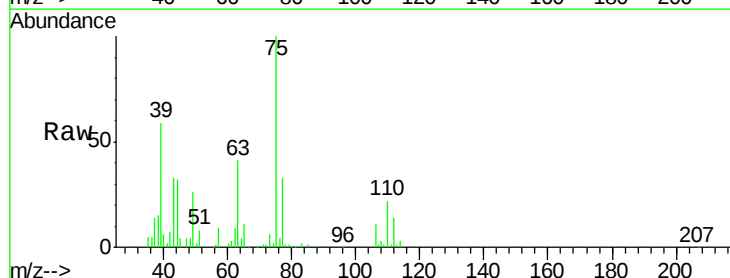
Acq: 24 Jan 2019 12:18

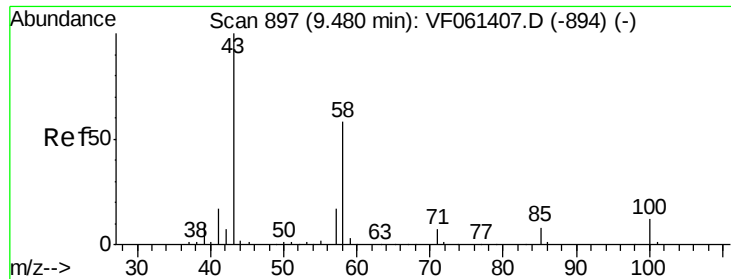
Tgt Ion: 63 Resp: 29475

Ion Ratio Lower Upper

63 100

106 26.7 21.9 32.9





#59

2-Hexanone

Concen: 106.262 ug/l

RT: 9.52 min Scan# 901

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 43 Resp: 122154

Ion Ratio Lower Upper

43 100

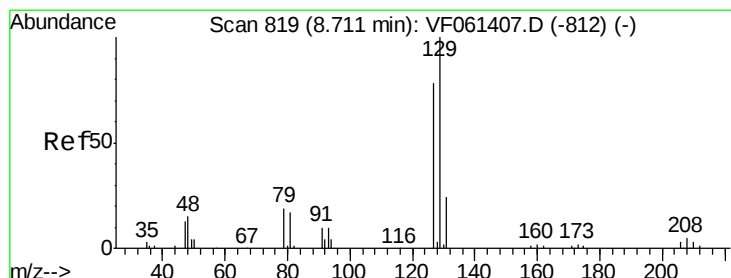
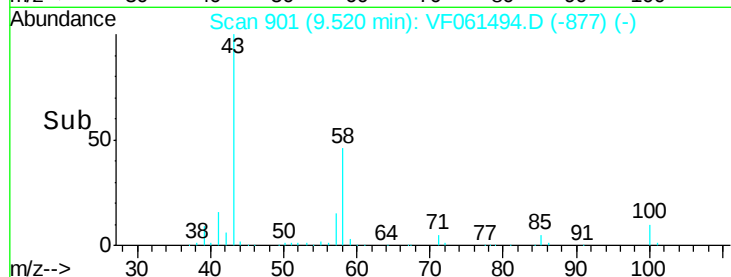
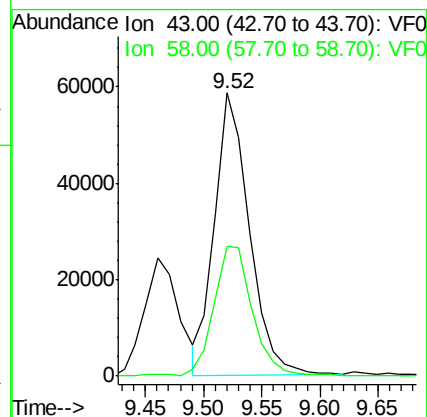
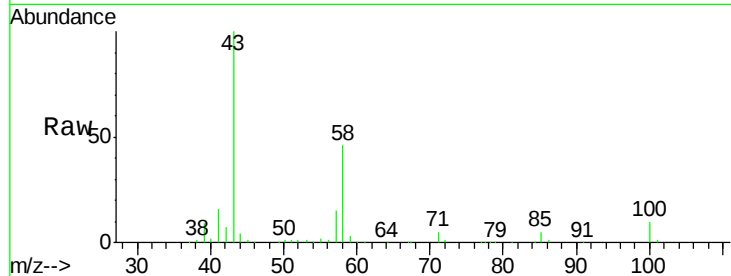
58 45.6 25.9 77.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 18.245 ug/l

RT: 8.75 min Scan# 823

Delta R.T. 0.04 min

Lab File: VF061494.D

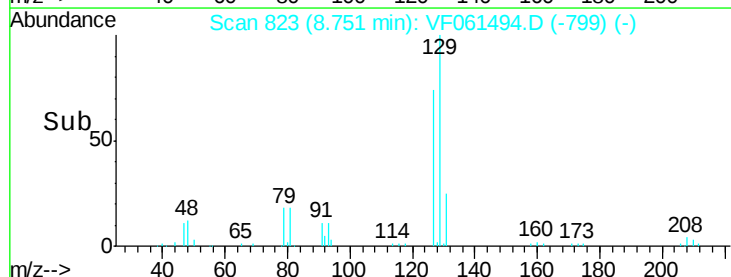
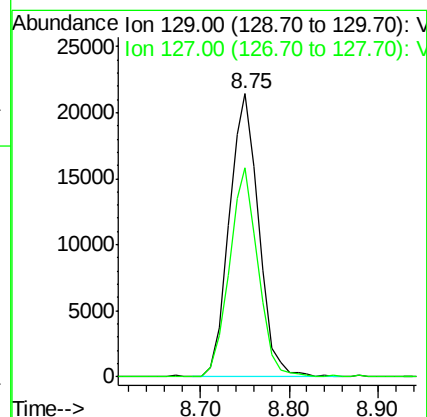
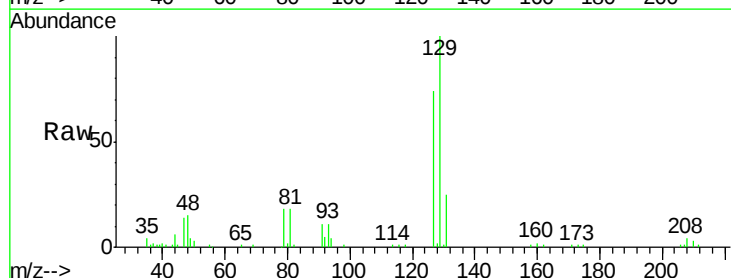
Acq: 24 Jan 2019 12:18

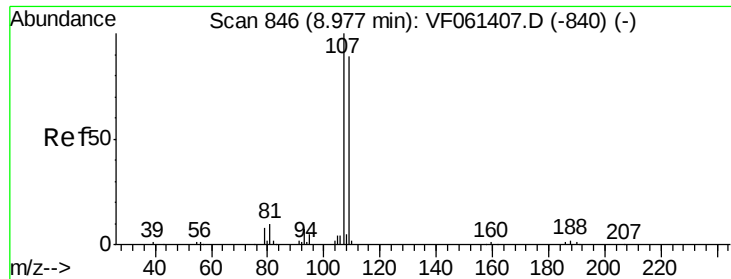
Tgt Ion:129 Resp: 49610

Ion Ratio Lower Upper

129 100

127 74.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.231 ug/l

RT: 9.02 min Scan# 850

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion:107 Resp: 36688

Ion Ratio Lower Upper

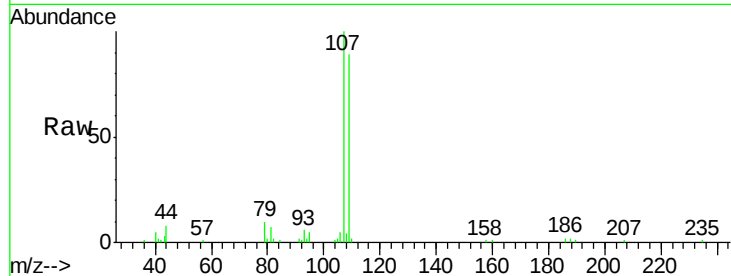
107 100

109 89.4 70.8 106.2

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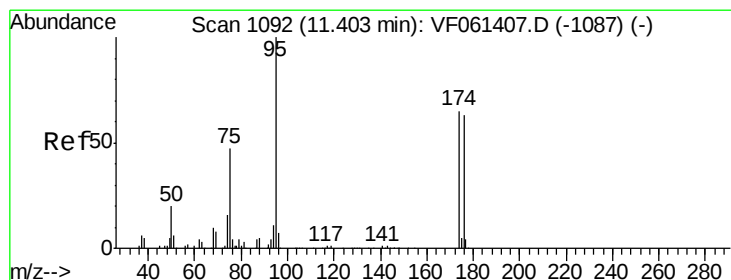
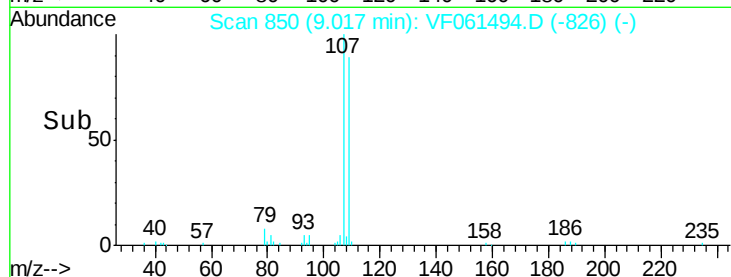
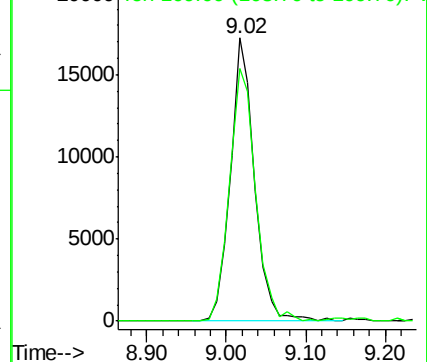
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 41.243 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

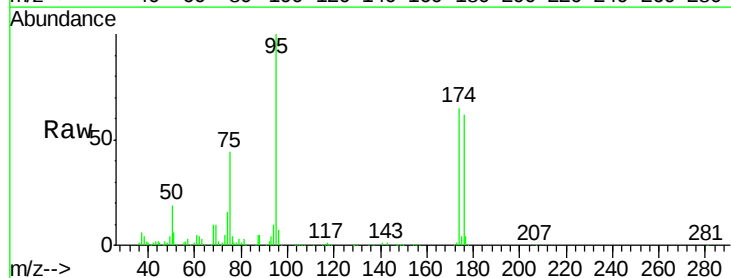
Tgt Ion: 95 Resp: 160602

Ion Ratio Lower Upper

95 100

174 65.1 0.0 130.4

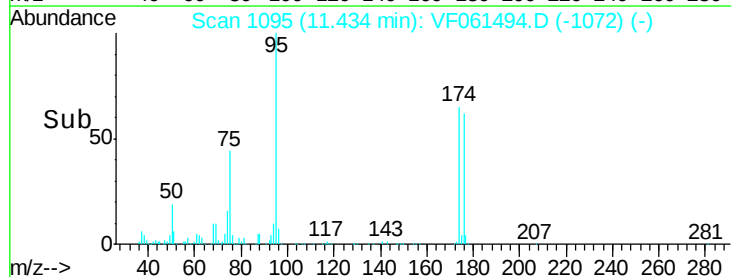
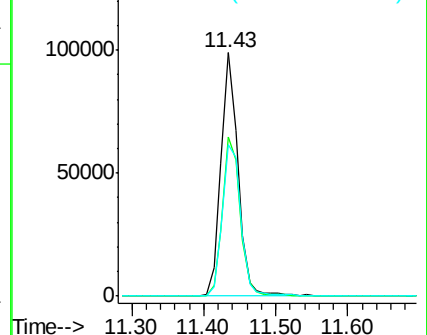
176 62.4 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

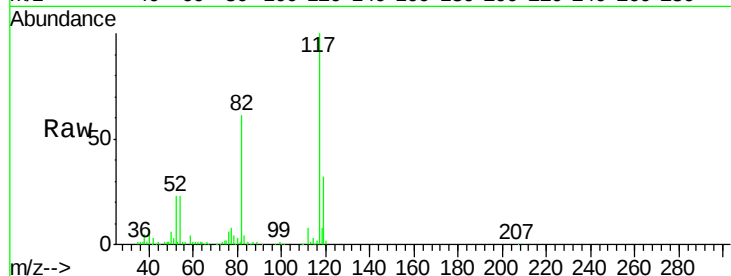
ClientSampleId :

VF0124SBS01

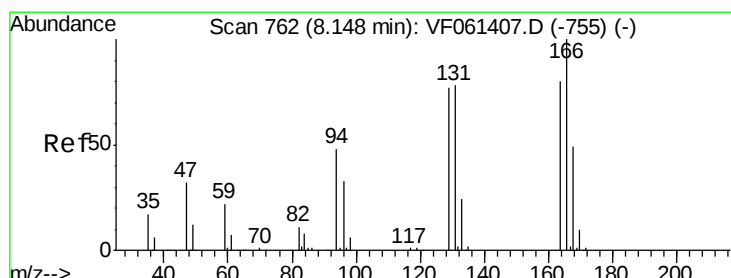
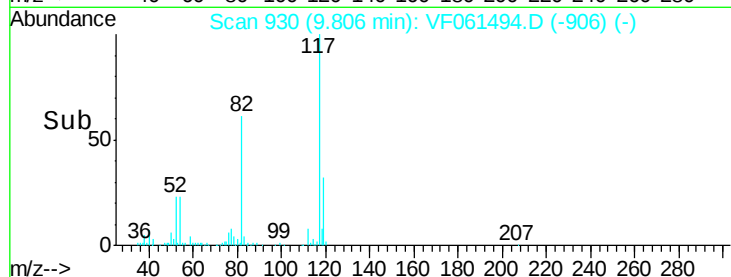
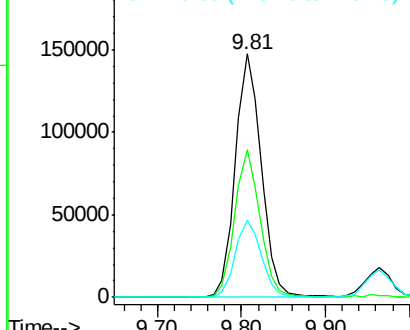
Tot Ion:	117	Resp:	319008
Ion Ratio	Lower	Upper	
117	100		
82	60.5	46.4	69.6
119	31.8	27.2	40.8

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 19.106 ug/l

RT: 8.19 min Scan# 766

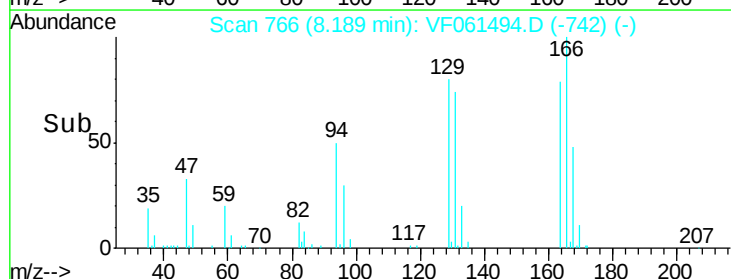
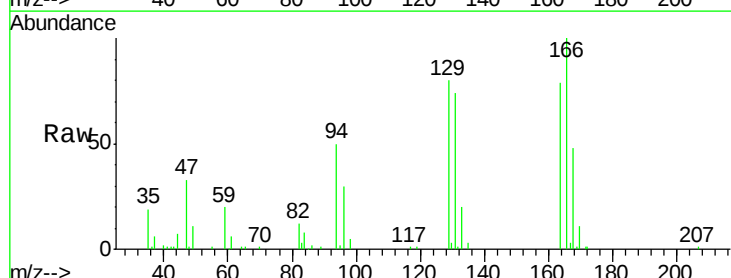
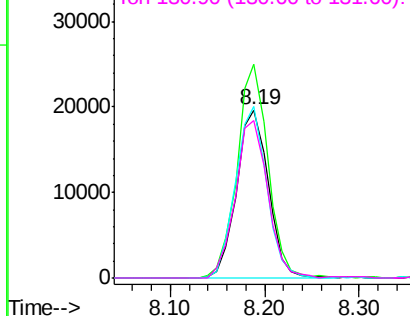
Delta R.T. 0.04 min

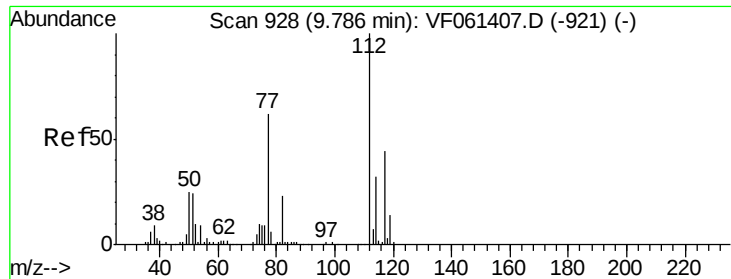
Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	164	Resp:	45834
Ion Ratio	Lower	Upper	
164	100		
166	127.0	99.6	149.4
129	101.7	76.4	114.6
131	93.5	77.9	116.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





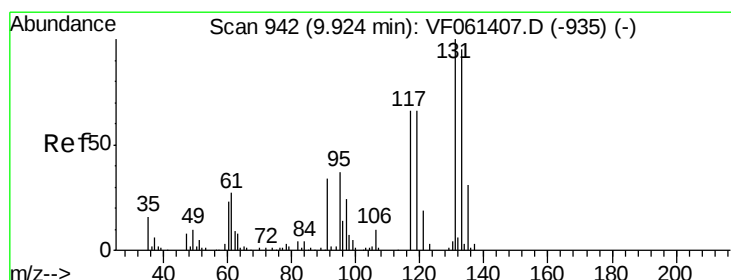
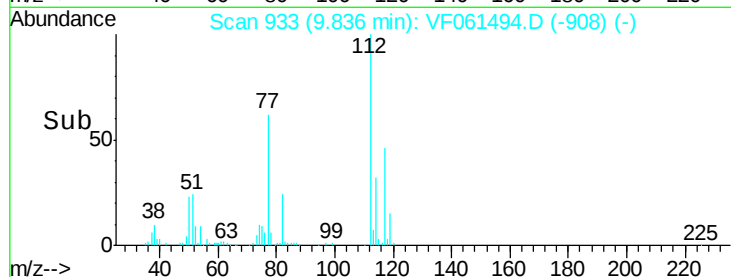
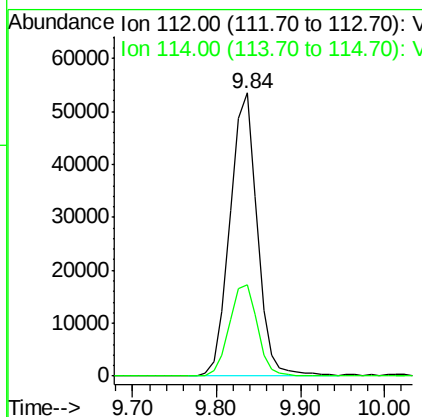
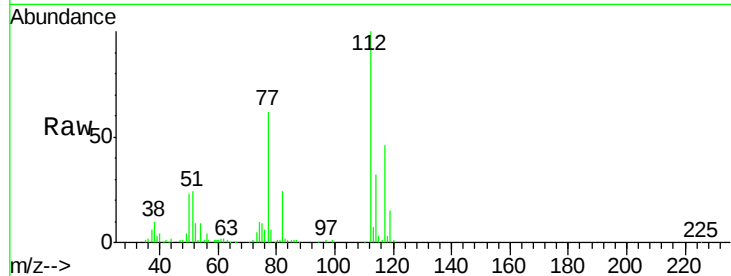
#65
Chlorobenzene
Concen: 18.680 ug/l
RT: 9.84 min Scan# 933
Delta R.T. 0.05 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	121182		
114	32.2	25.4	38.0	

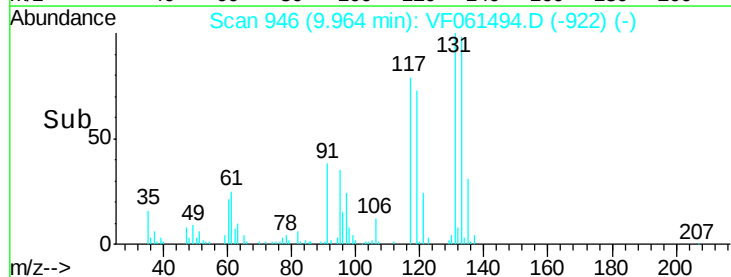
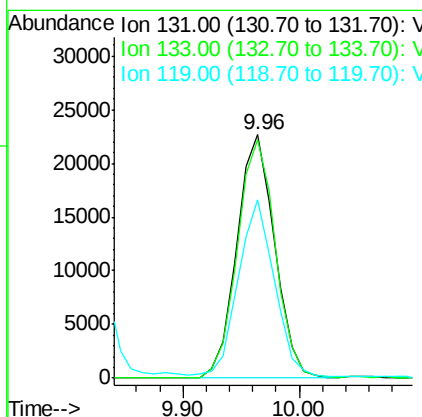
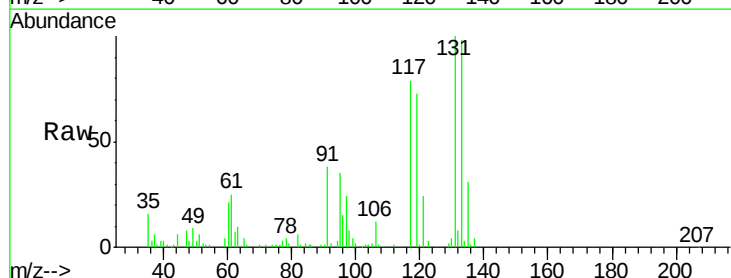
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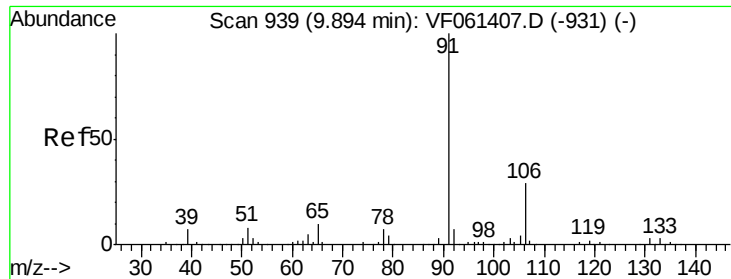
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.658 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	50802		
133	97.8	47.4	142.2	
119	73.0	33.1	99.3	





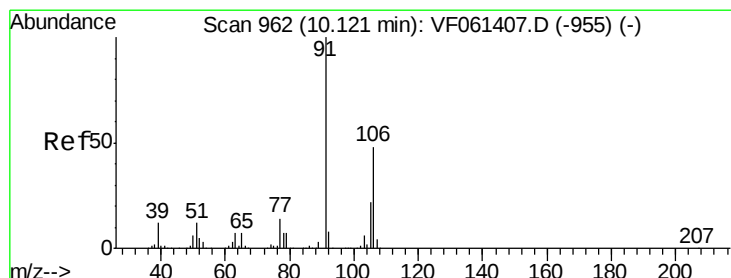
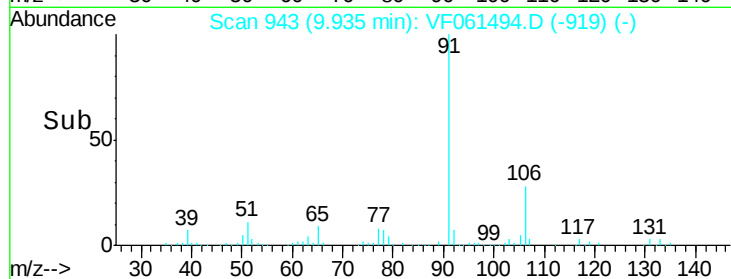
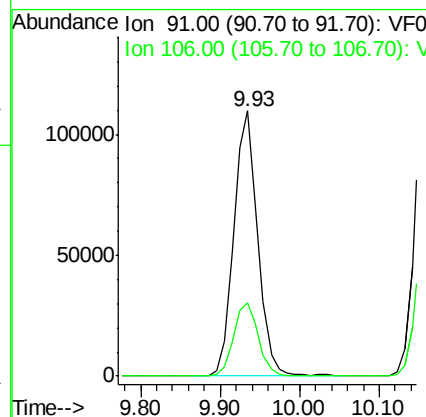
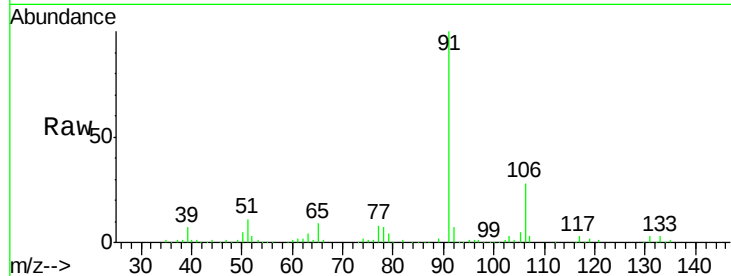
#67
Ethyl Benzene
Concen: 19.483 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion: 91 Resp: 230922
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7

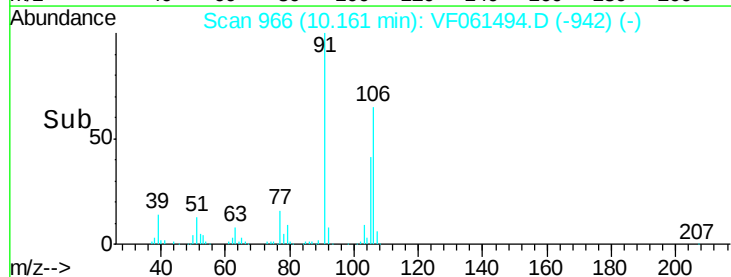
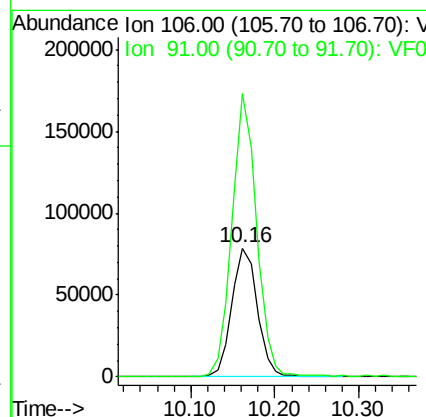
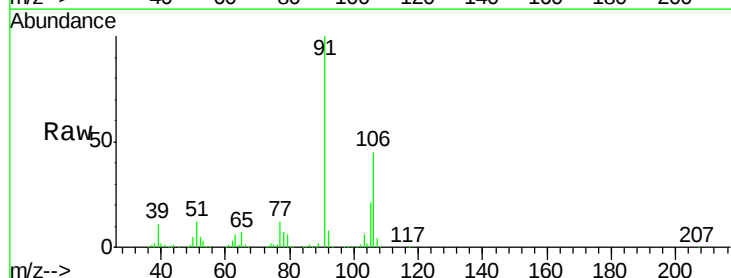
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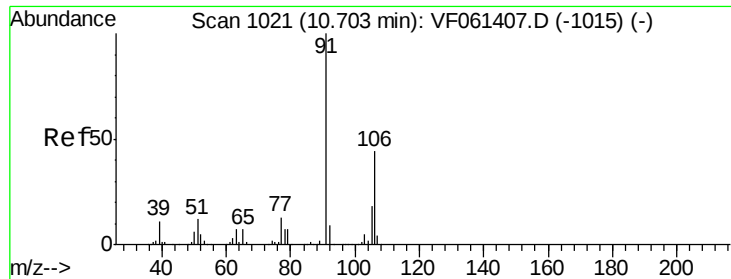
MMDadoda
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#68
m/p-Xylenes
Concen: 39.416 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 106 Resp: 168030
Ion Ratio Lower Upper
106 100
91 220.1 166.2 249.4





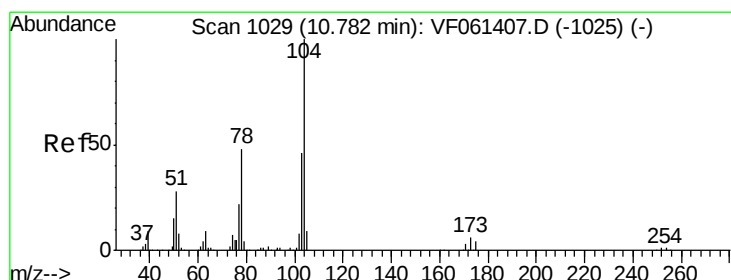
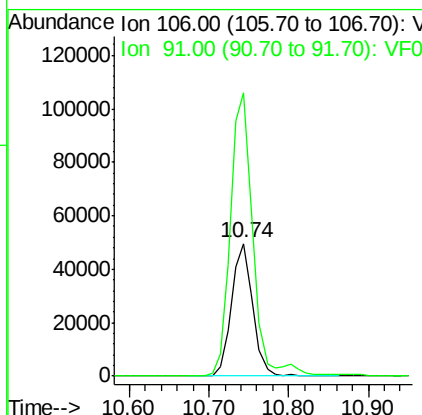
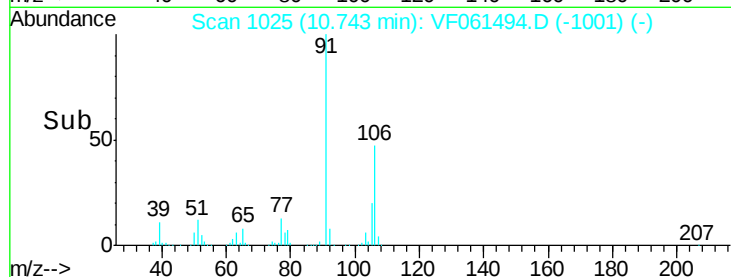
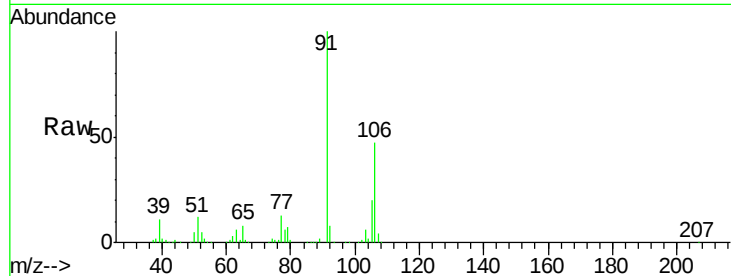
#69
o-Xylene
Concen: 20.146 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion:106 Resp: 93080
Ion Ratio Lower Upper
106 100
91 213.1 113.3 339.8

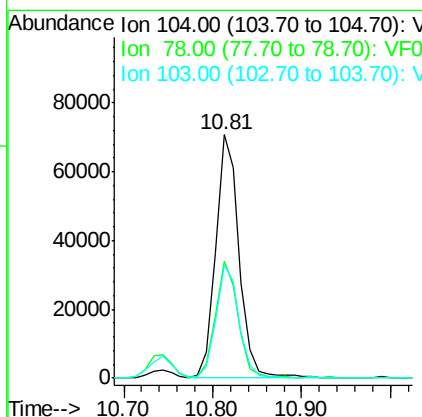
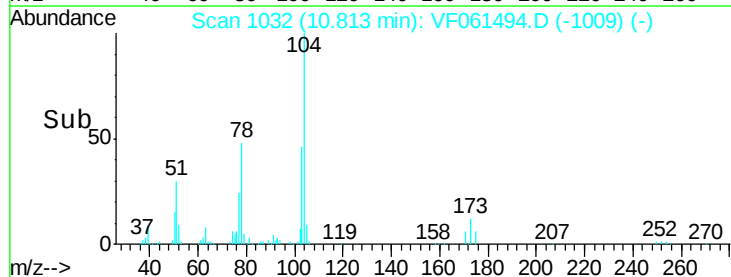
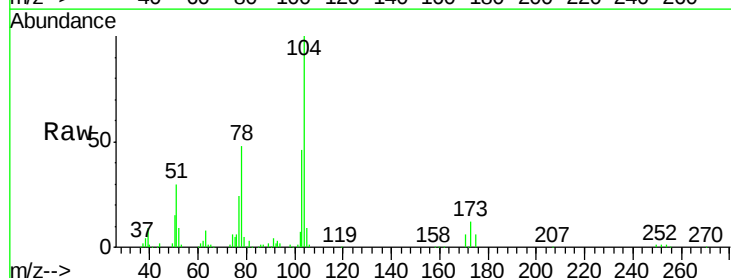
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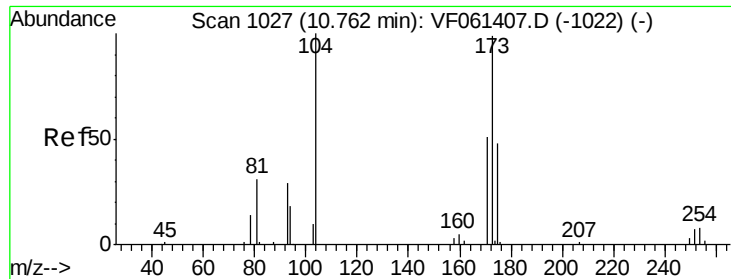
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#70
Styrene
Concen: 20.424 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:104 Resp: 129171
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 46.3 37.0 55.6





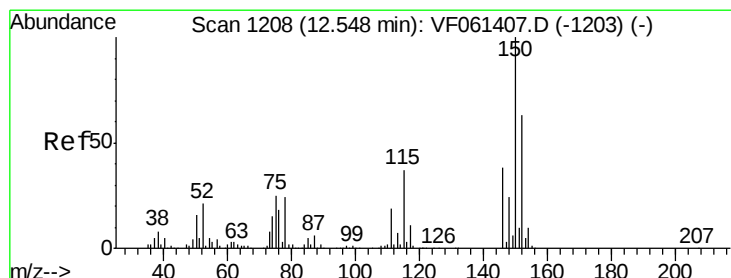
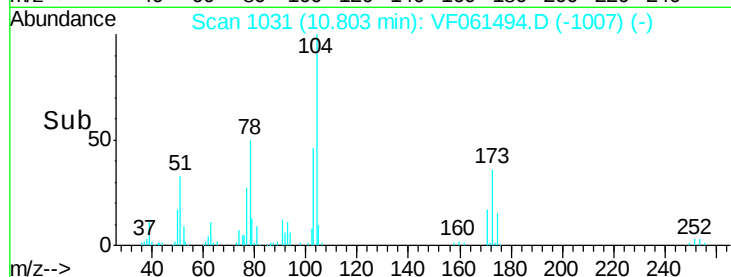
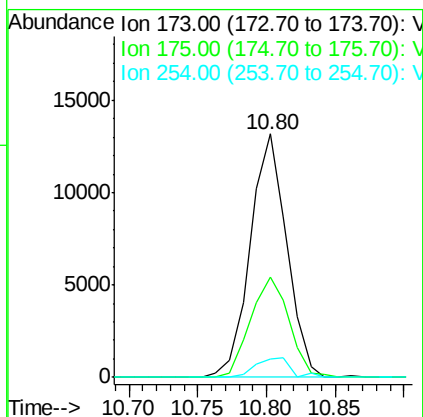
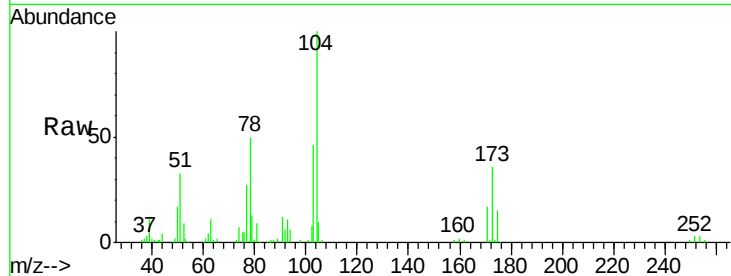
#71
Bromoform
Concen: 20.952 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.1	24.1	72.4
254	7.4	0.0	0.0#

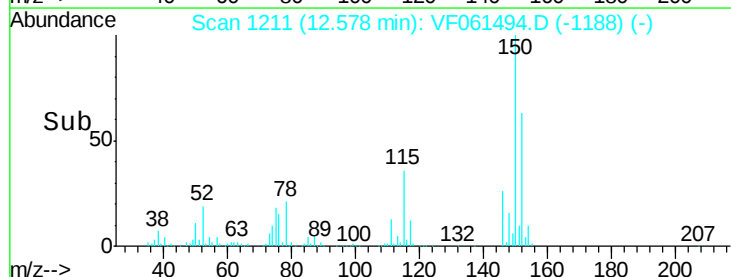
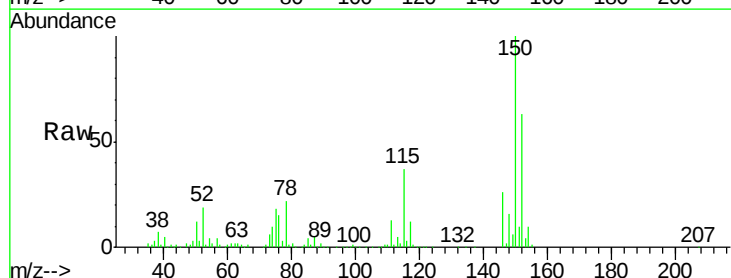
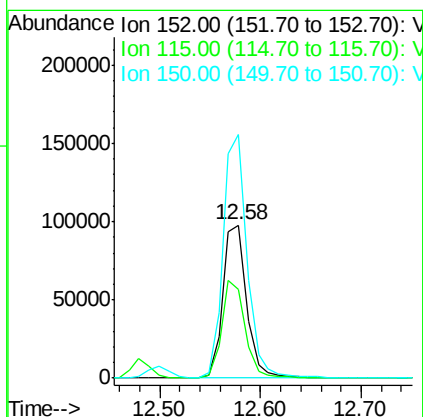
Manual Integrations
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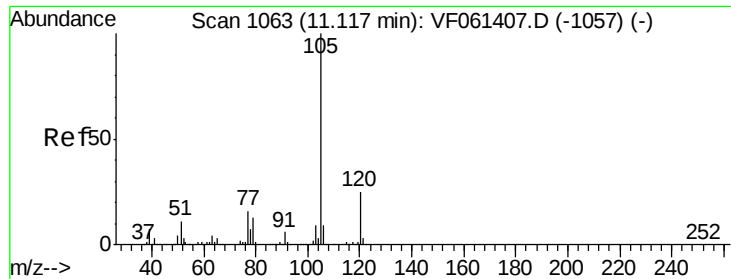
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1211
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.0	90.0
150	159.2	0.0	321.4





#73

Isopropylbenzene

Concen: 21.408 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 105 Resp: 281203

Ion Ratio Lower Upper

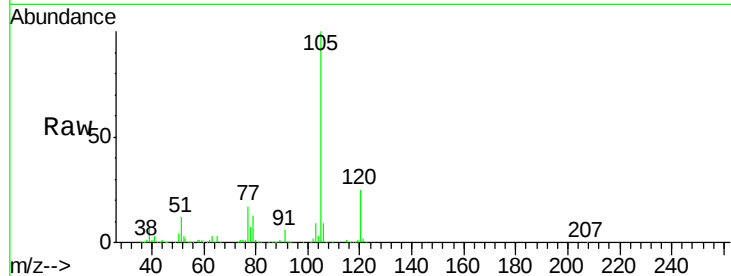
105 100

120 24.7 12.6 37.8

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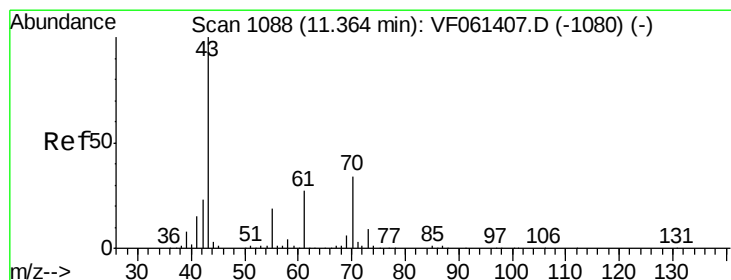
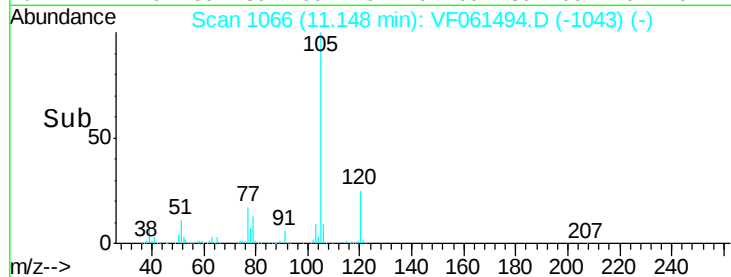
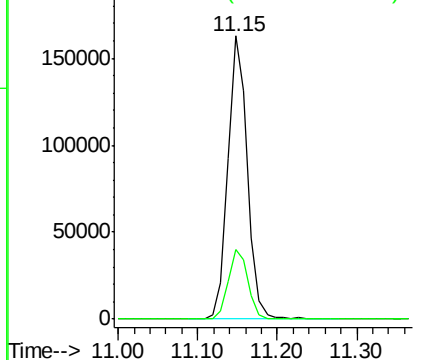
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.503 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion: 43 Resp: 69894

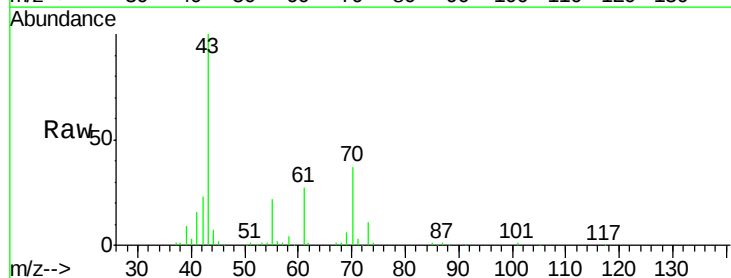
Ion Ratio Lower Upper

43 100

70 36.6 27.6 41.4

55 21.6 15.4 23.2

61 27.1 21.8 32.6

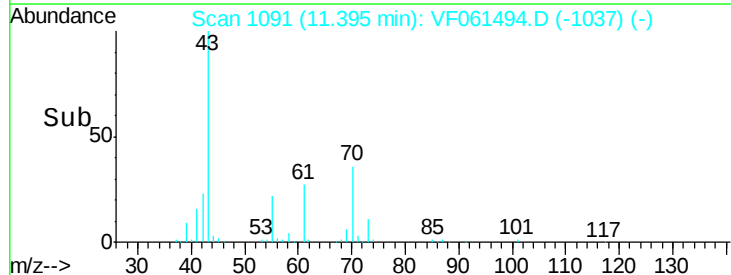
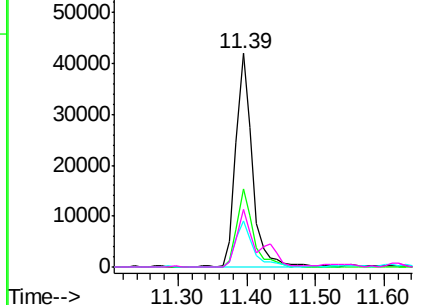


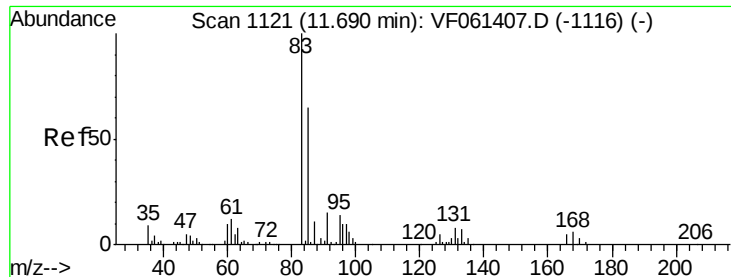
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.839 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

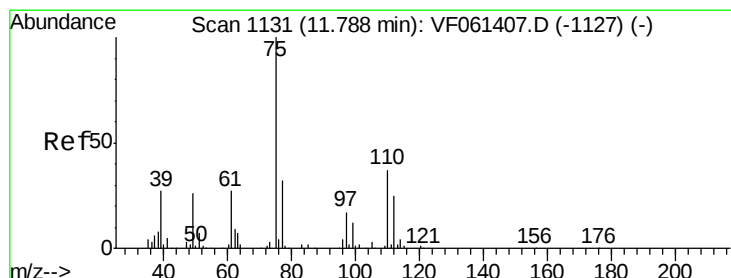
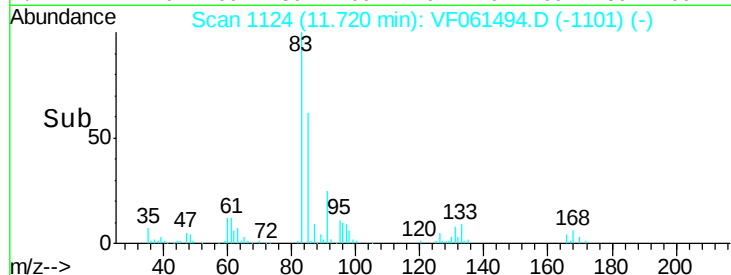
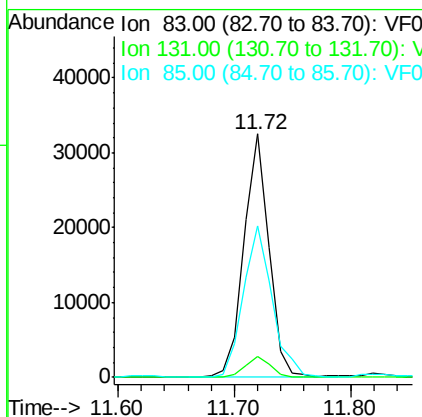
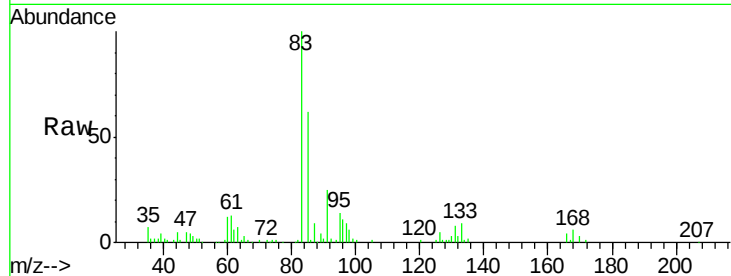
ClientSampleId :

VF0124SBS01

Tot Ion	83	Resp	48763
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.0	12.2
85	62.1	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 21.041 ug/l

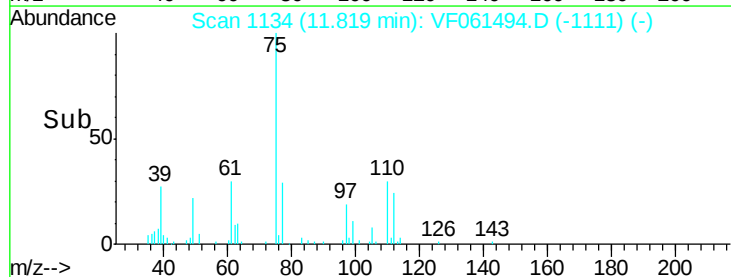
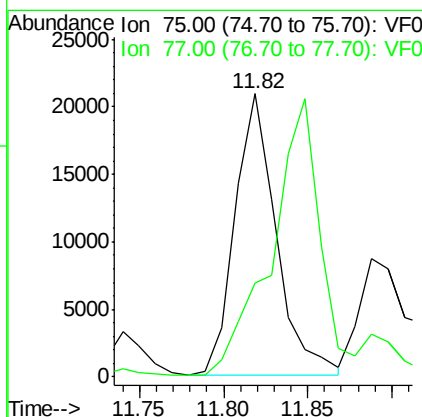
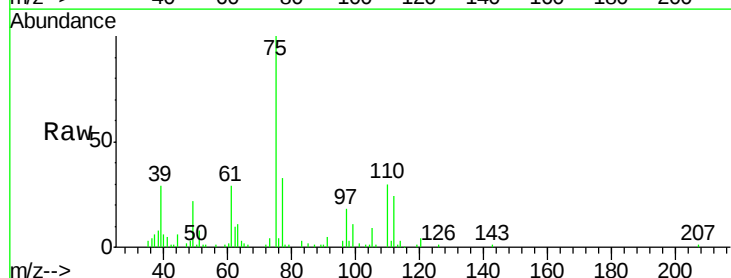
RT: 11.82 min Scan# 1134

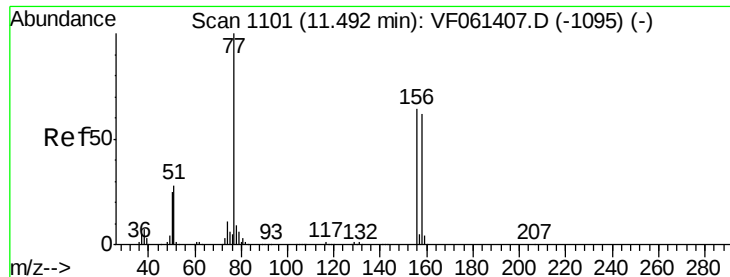
Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion	75	Resp	35378
Ion	Ratio	Lower	Upper
75	100		
77	33.1	16.1	48.3





#77

Bromobenzene

Concen: 20.207 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

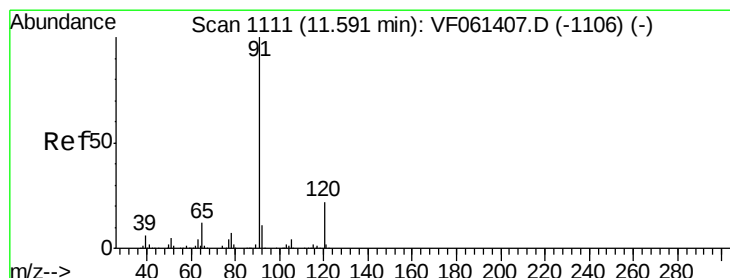
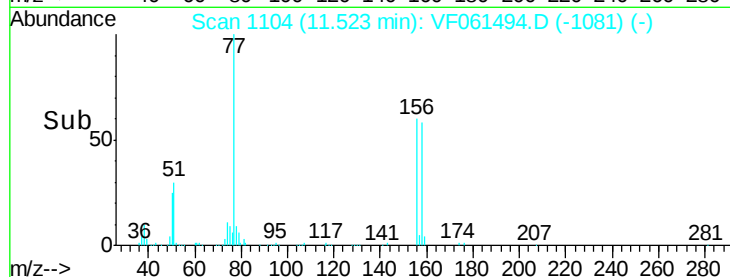
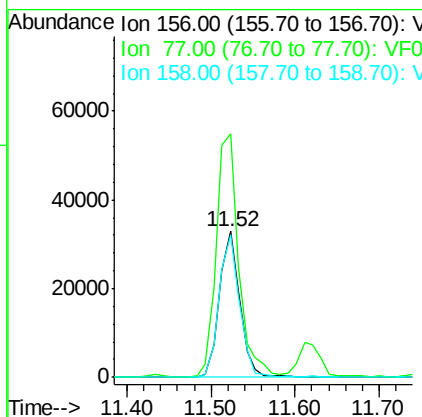
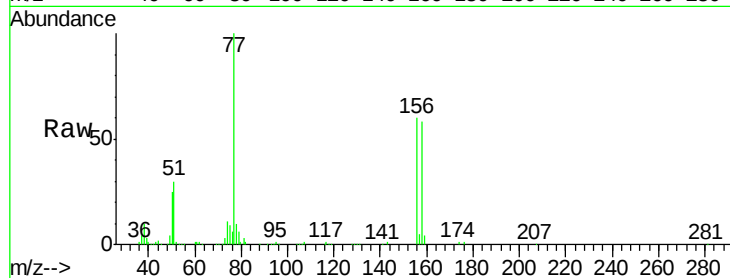
ClientSampleId :

VF0124SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	167.0	78.3	234.9	
158	97.6	48.9	146.7	

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#78

n-propylbenzene

Concen: 19.077 ug/l

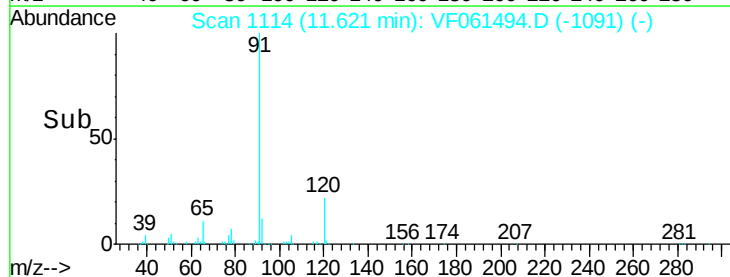
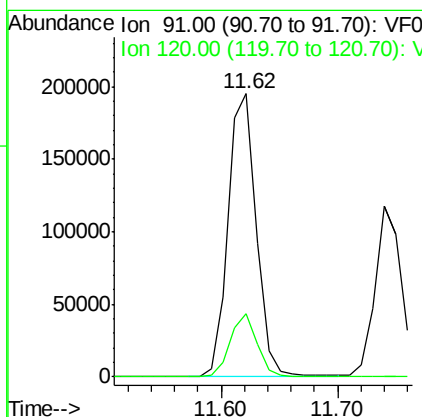
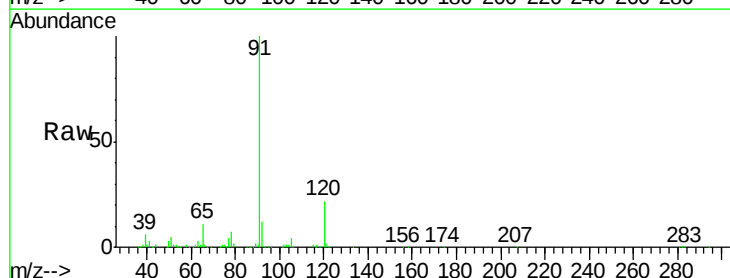
RT: 11.62 min Scan# 1114

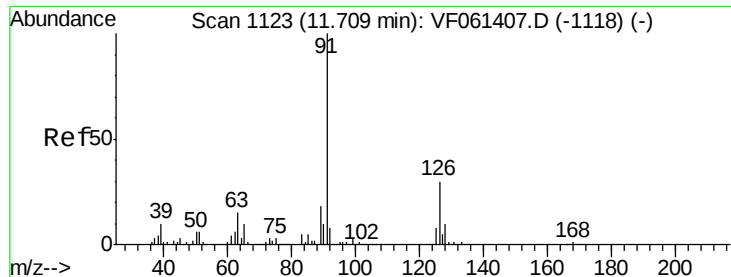
Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	10.9	32.6	





#79

2-Chlorotoluene

Concen: 19.930 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 91 Resp: 181633

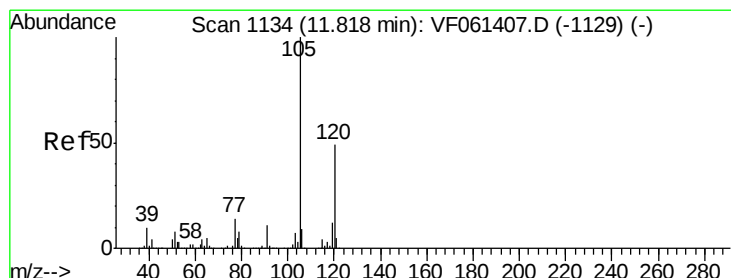
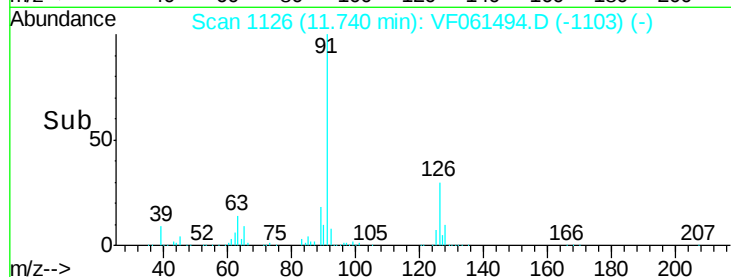
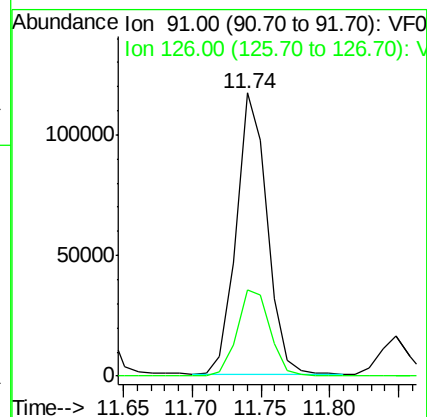
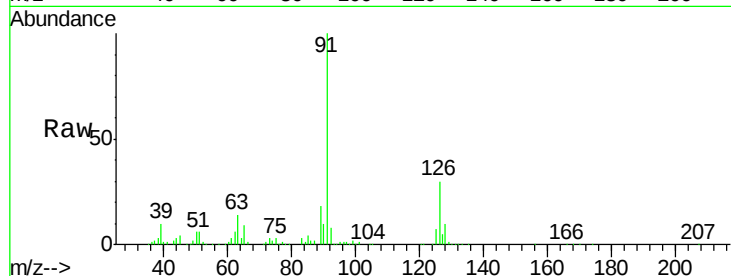
Ion Ratio Lower Upper

91 100

126 30.3 15.0 45.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.250 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. 0.03 min

Lab File: VF061494.D

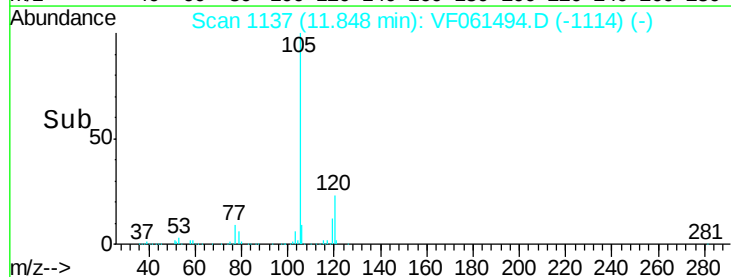
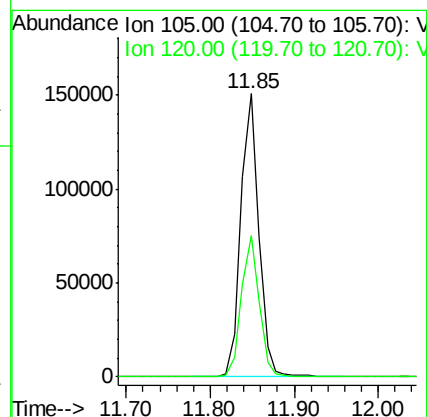
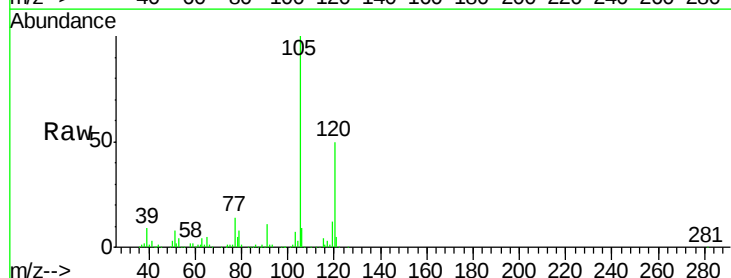
Acq: 24 Jan 2019 12:18

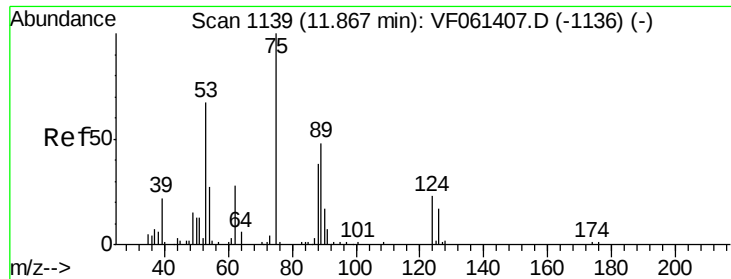
Tgt Ion: 105 Resp: 225252

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.194 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 75 Resp: 14760

Ion Ratio Lower Upper

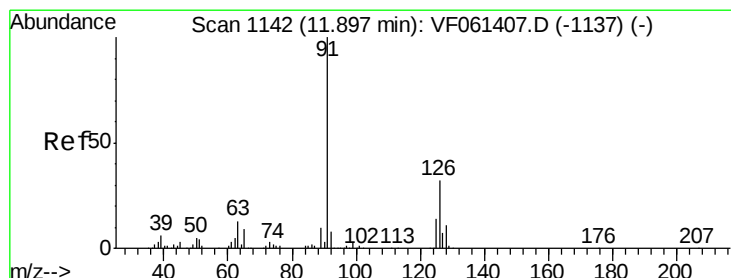
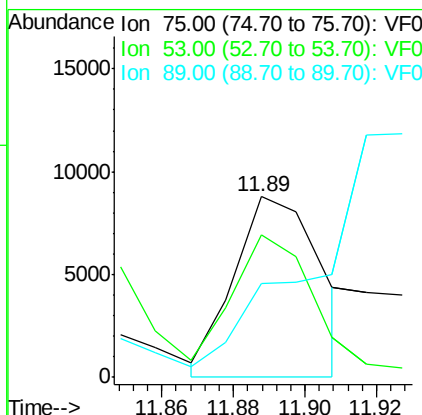
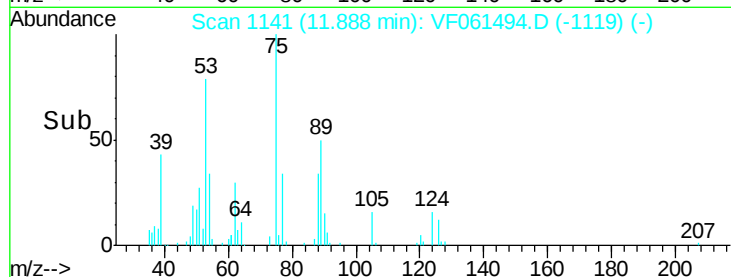
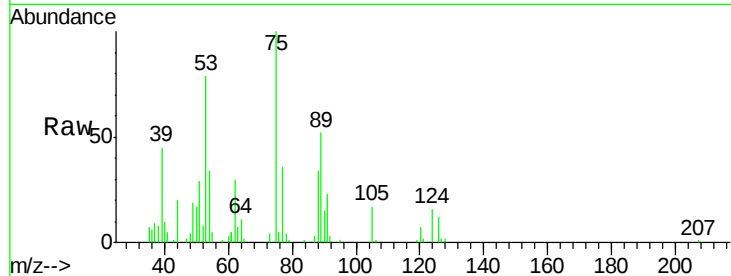
75 100

53 79.0 57.8 86.6

89 52.3 40.7 61.1

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#82

4-Chlorotoluene

Concen: 20.625 ug/l

RT: 11.93 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VF061494.D

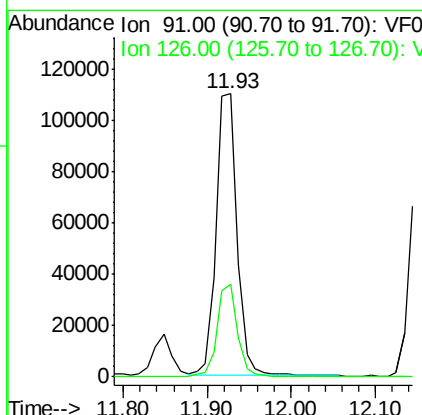
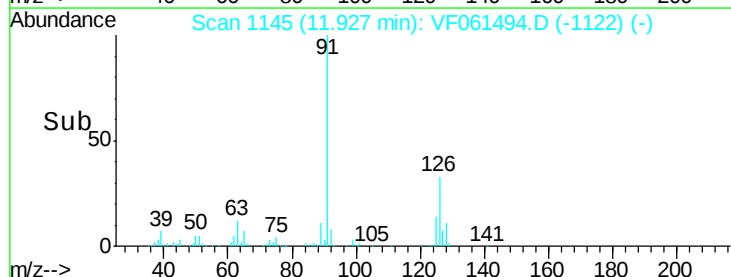
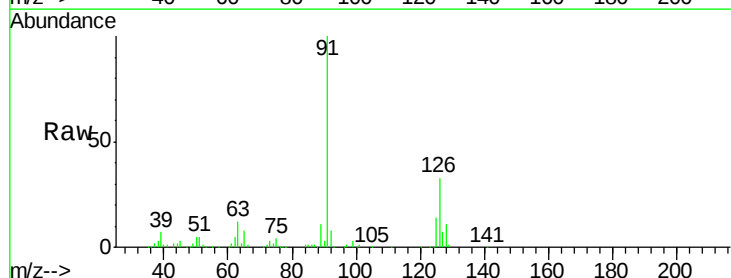
Acq: 24 Jan 2019 12:18

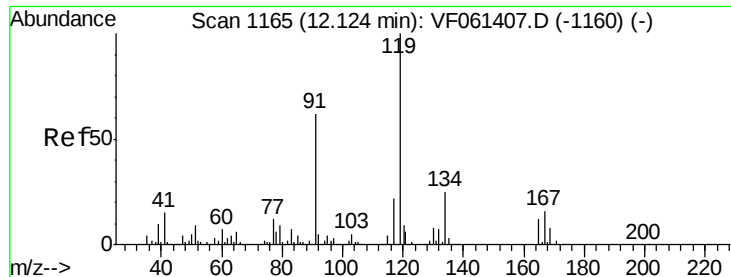
Tgt Ion: 91 Resp: 189684

Ion Ratio Lower Upper

91 100

126 32.8 16.0 47.9





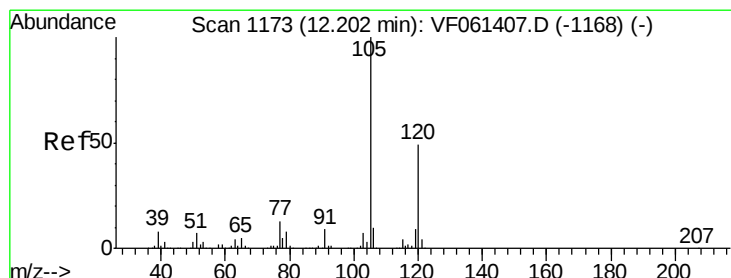
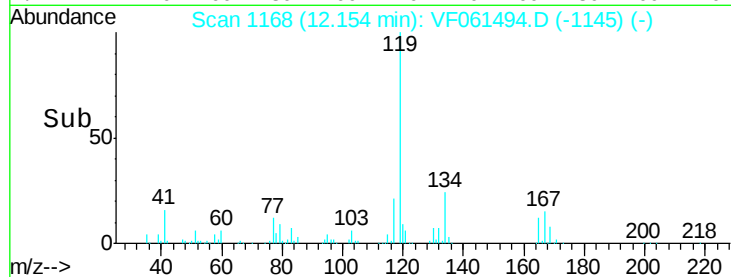
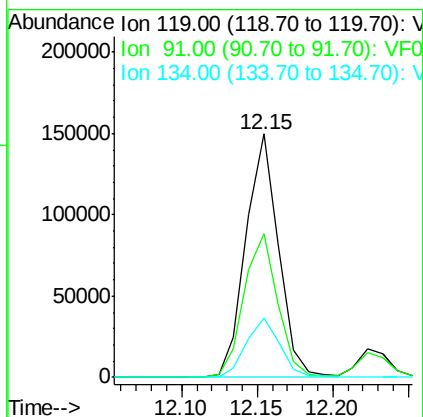
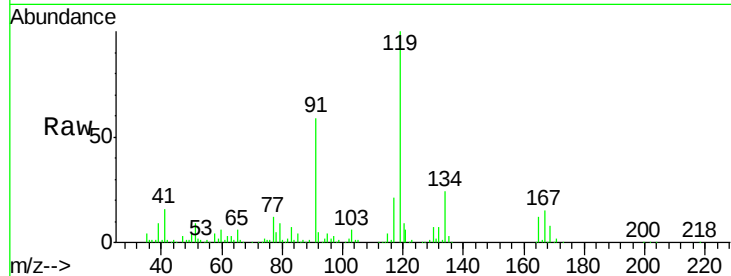
#83
tert-Butylbenzene
Concen: 20.586 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	31.3	93.8
134	24.4	12.4	37.0

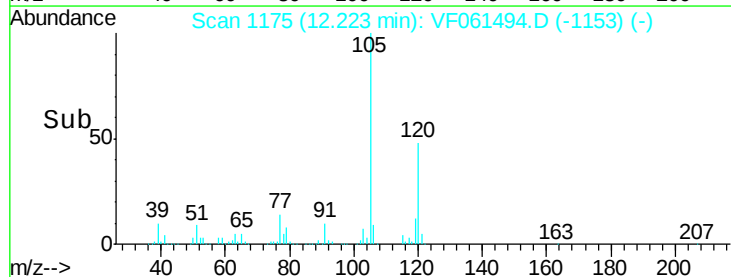
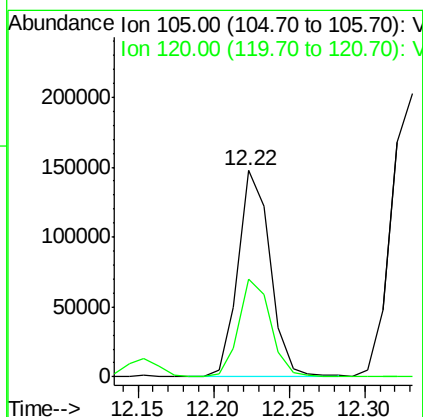
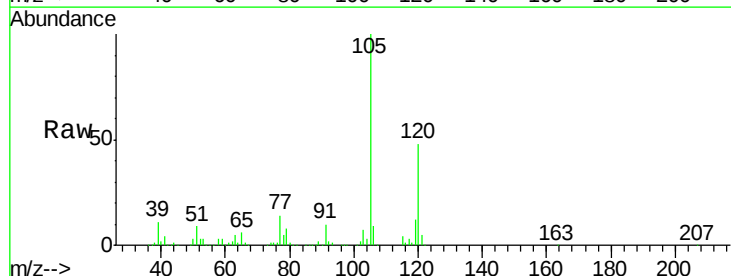
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#84
1,2,4-Trimethylbenzene
Concen: 19.994 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.9	74.6





#85

sec-Butylbenzene

Concen: 20.626 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion:105 Resp: 307316

Ion Ratio Lower Upper

105 100

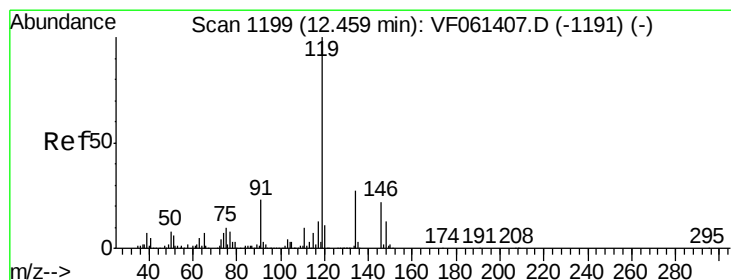
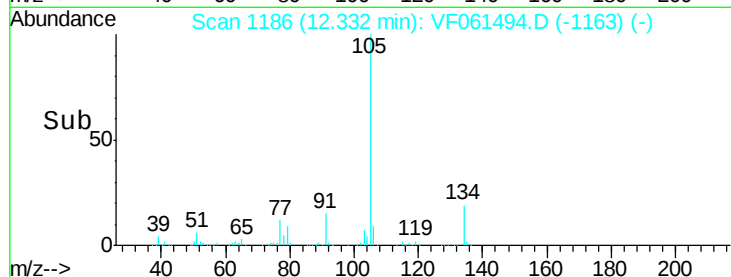
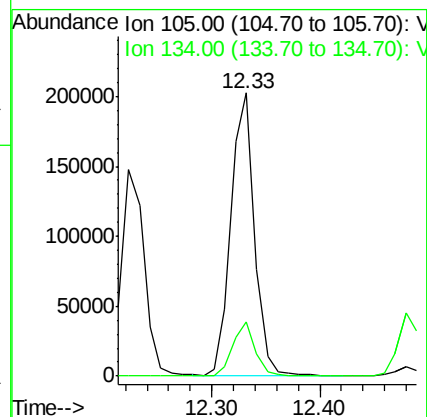
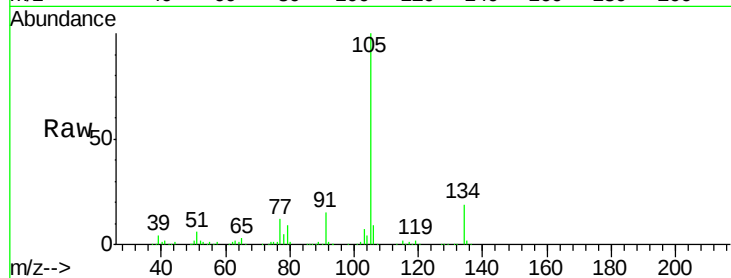
134 19.0 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 21.390 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

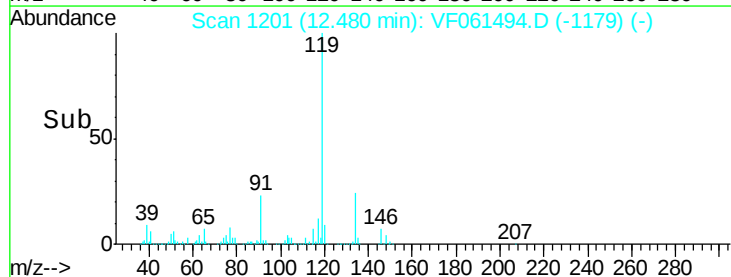
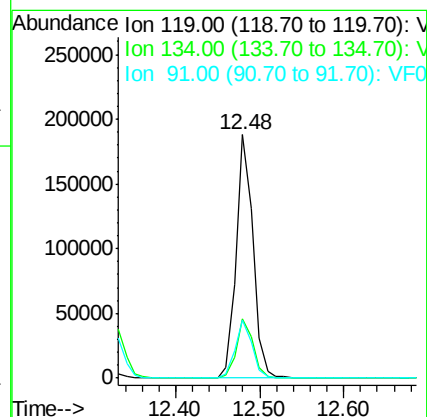
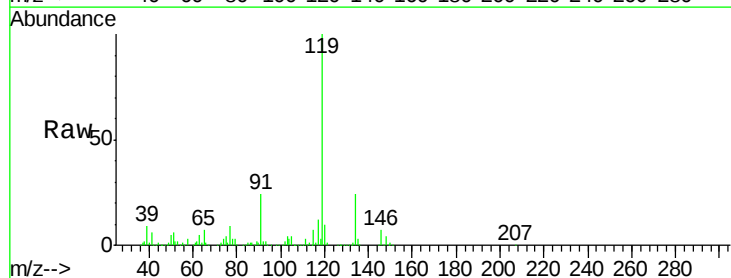
Tgt Ion:119 Resp: 261626

Ion Ratio Lower Upper

119 100

134 24.2 13.4 40.2

91 23.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.050 ug/l

RT: 12.50 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

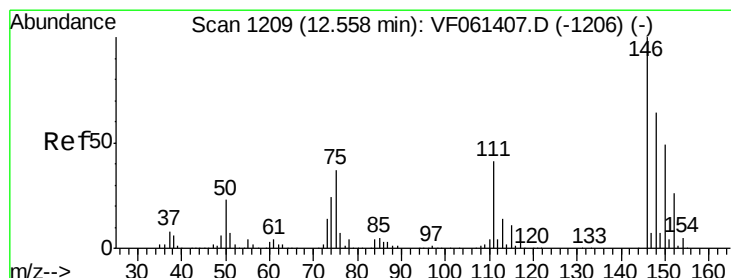
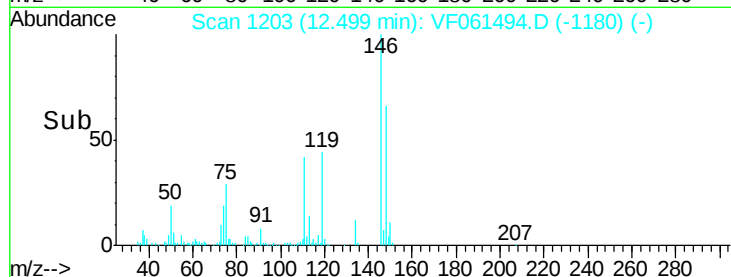
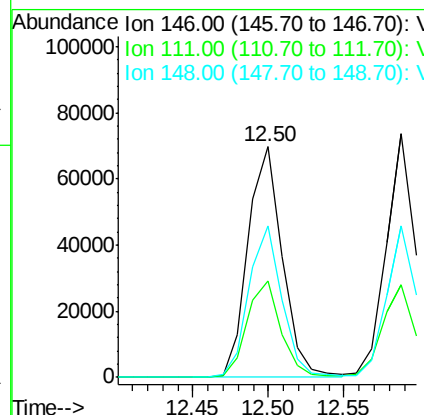
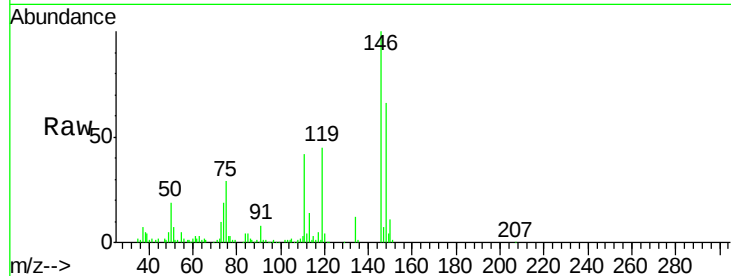
ClientSampleId :

VF0124SBS01

Tot Ion:	146	Resp:	111152
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.1	63.4
148	65.8	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 19.830 ug/l

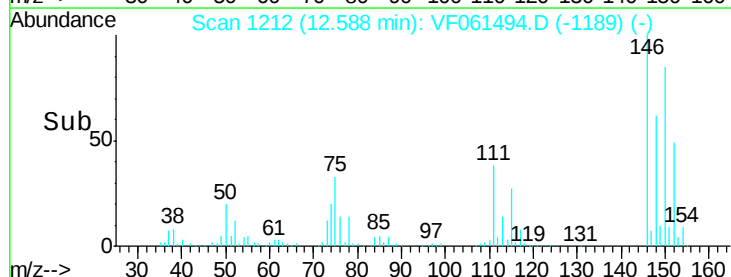
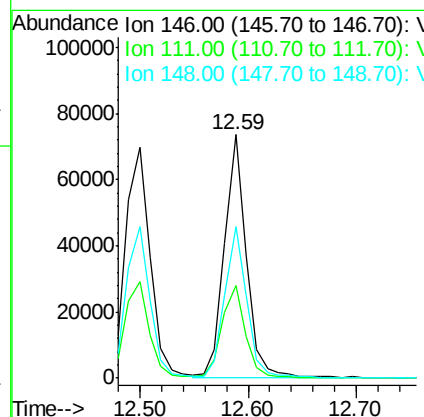
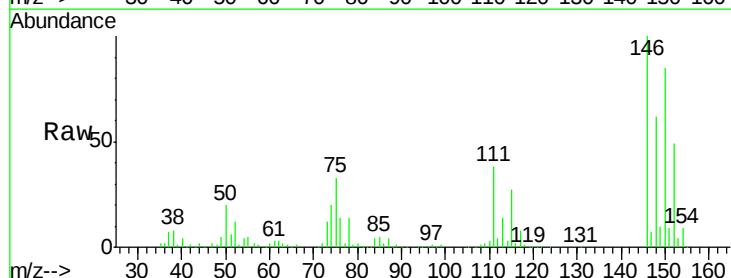
RT: 12.59 min Scan# 1212

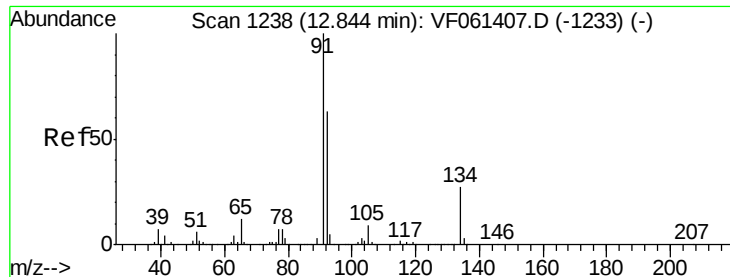
Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion:	146	Resp:	103947
Ion Ratio	Lower	Upper	
146	100		
111	38.3	20.8	62.2
148	62.2	32.1	96.5





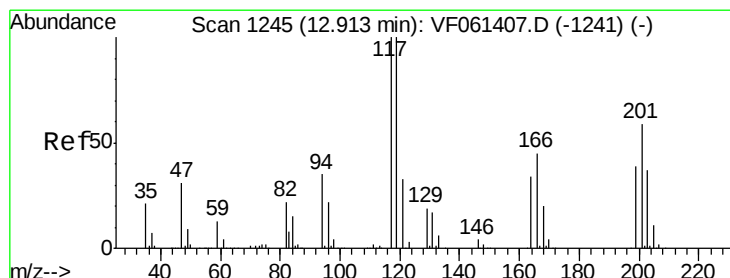
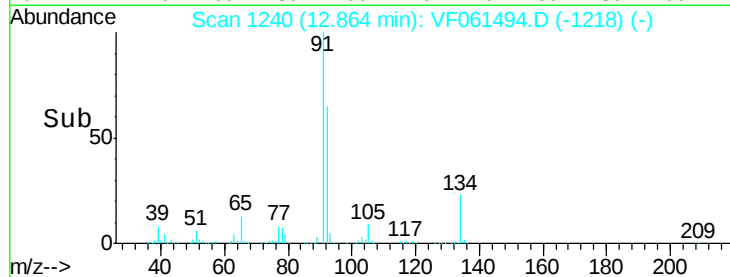
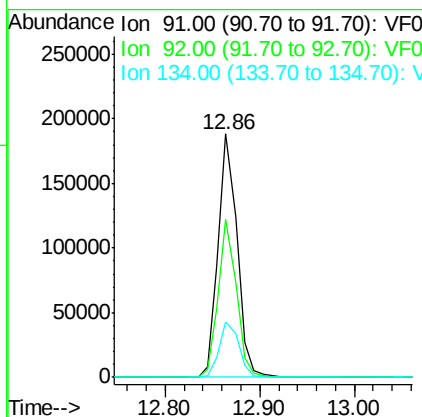
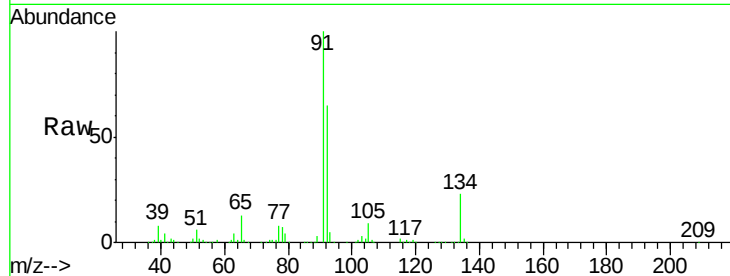
#89
n-Butylbenzene
Concen: 20.801 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.8	31.6	94.7
134	22.7	13.6	40.8

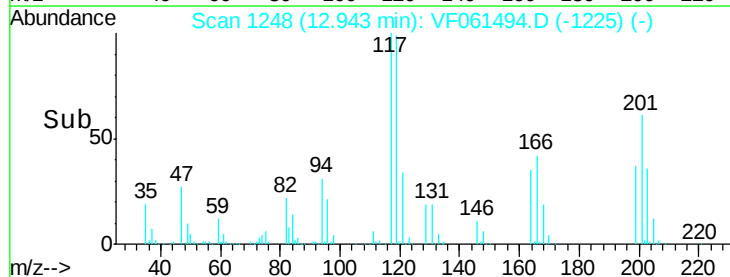
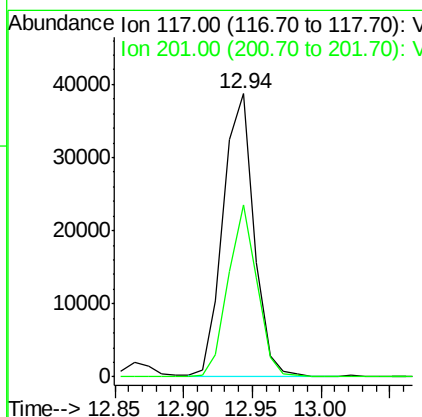
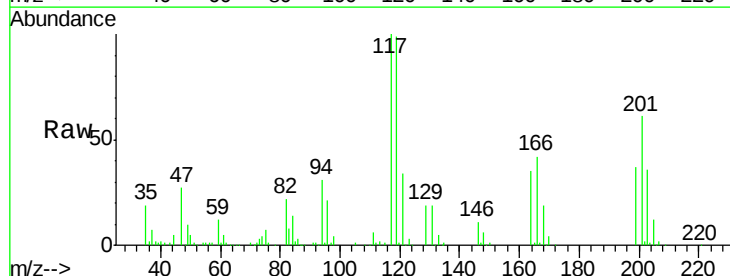
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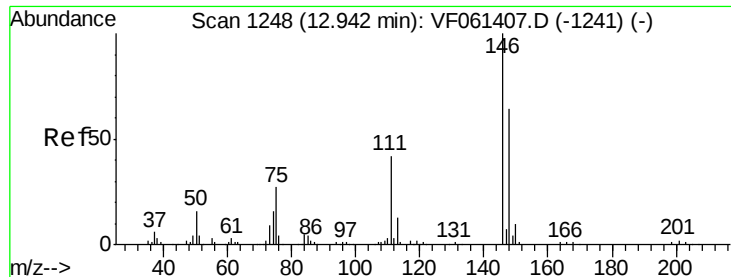
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#90
Hexachloroethane
Concen: 21.055 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.8	29.3	87.8





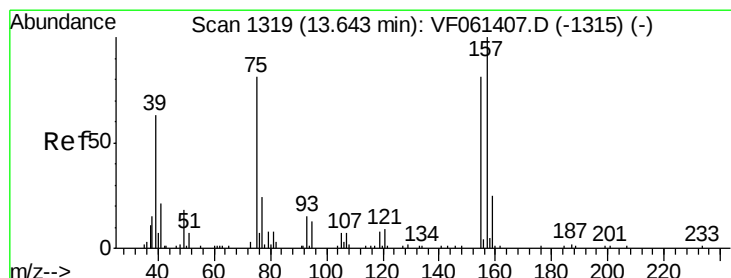
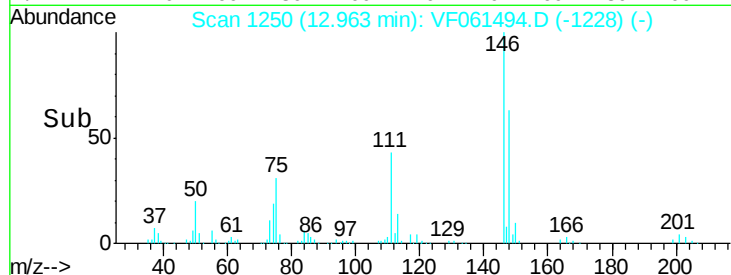
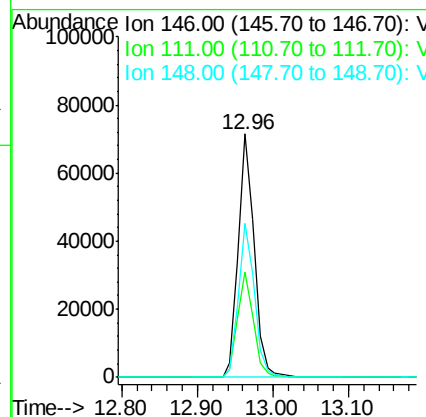
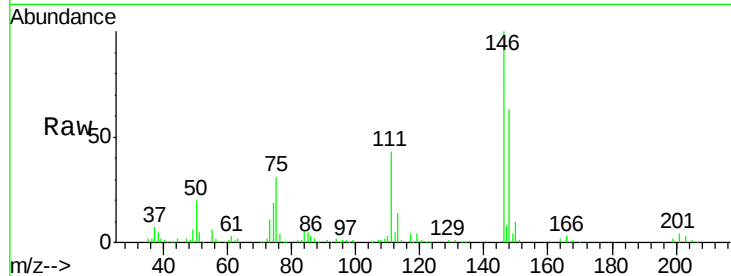
#91
 1,2-Dichlorobenzene
 Concen: 19.904 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.02 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	63.3	31.9	95.7

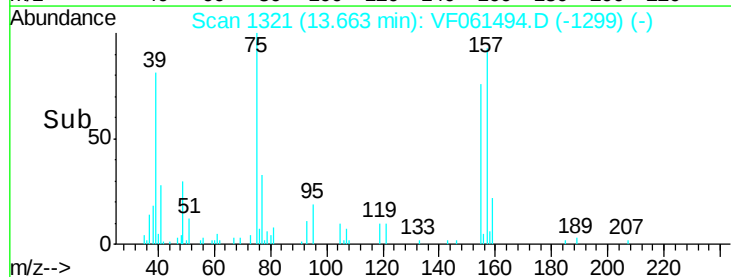
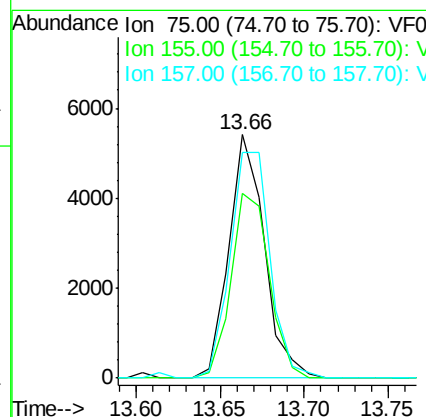
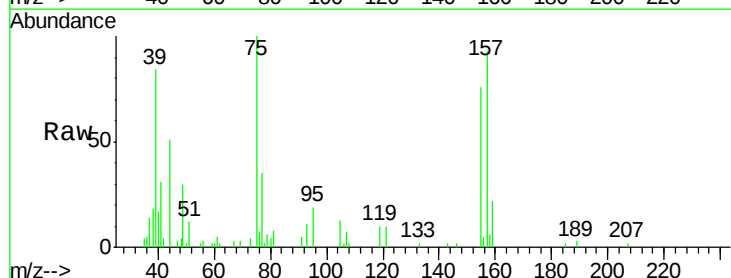
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.092 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	49.7	149.1
157	92.9	61.4	184.1





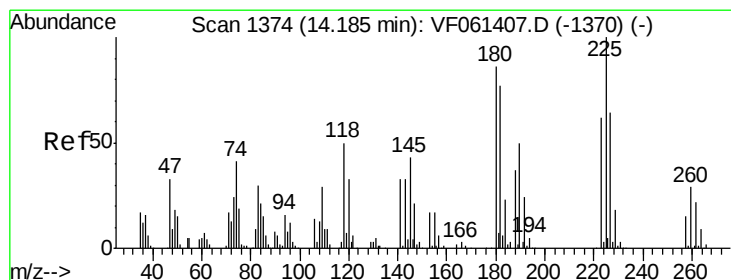
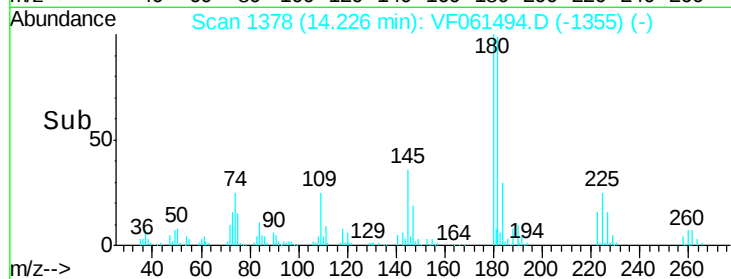
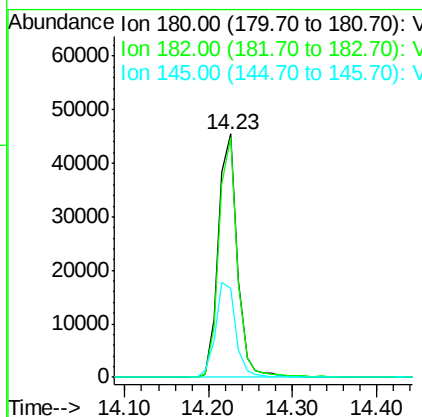
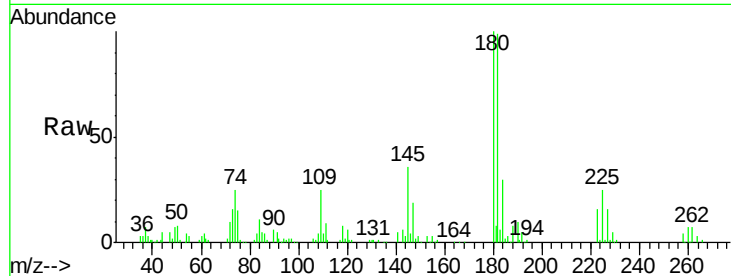
#93
 1,2,4-Trichlorobenzene
 Concen: 19.758 ug/l
 RT: 14.23 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.5	145.6
145	36.4	17.5	52.6

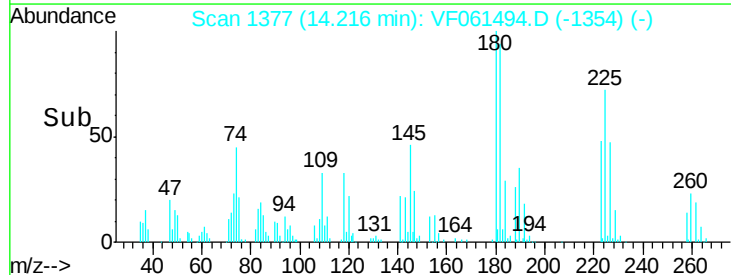
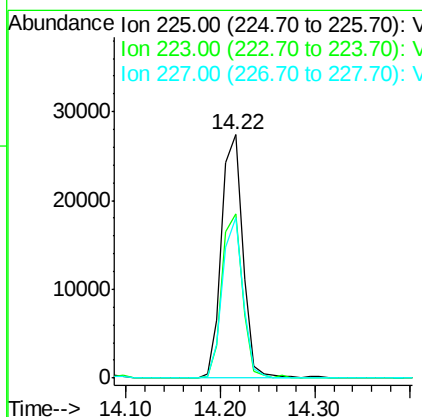
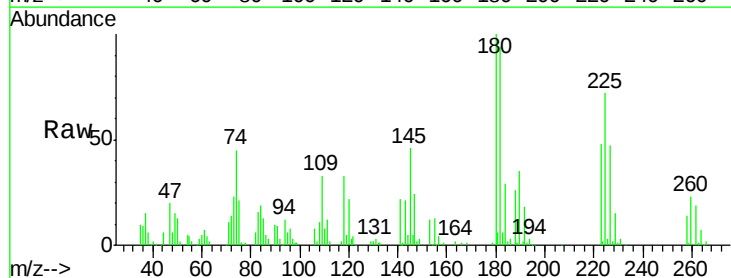
Manual Integrations
 APPROVED

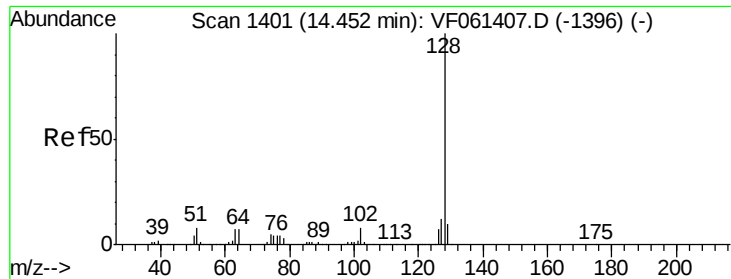
MMDadoda
 1/25/2019 10:26:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.078 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	31.1	93.2
227	65.8	32.2	96.6





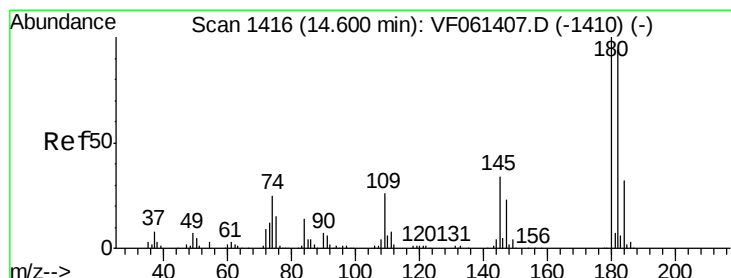
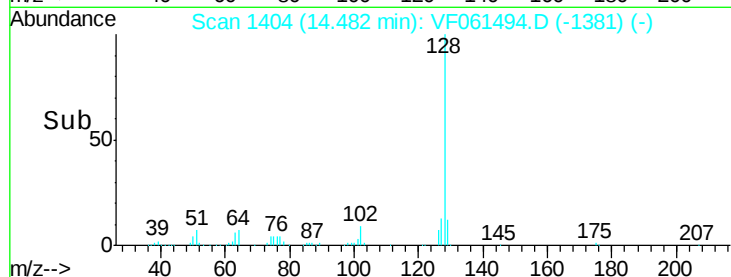
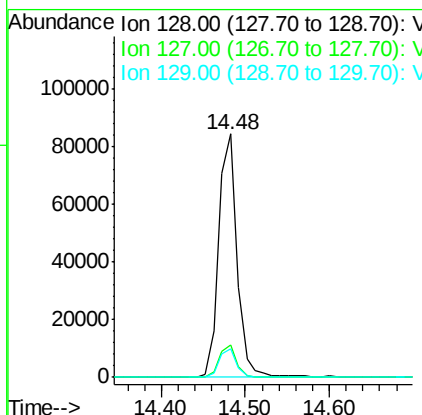
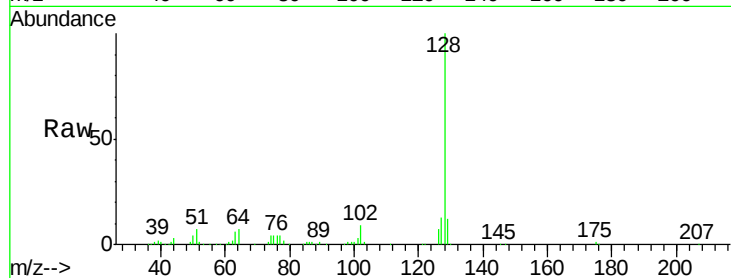
#95
Naphthalene
Concen: 18.667 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128930		
127	13.5		9.5	14.3
129	11.9		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:26:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.867 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63490		
182	90.5		47.0	141.2
145	35.7		17.1	51.2

